

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009595.D
 Acq On : 16 May 2019 09:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 5/17/2019 1:08:57 PM

Quant Time: May 17 03:29:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	181210	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	275438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115836	46.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.66%	
35) Dibromofluoromethane	5.49	113	86487	49.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.90%	
50) Toluene-d8	8.71	98	337643	48.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.13	95	127017	50.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	69494	41.616	ug/l	99
3) Chloromethane	1.32	50	104626	45.892	ug/l	100
4) Vinyl Chloride	1.41	62	101759	45.773	ug/l	98
5) Bromomethane	1.64	94	61273	45.920	ug/l	97
6) Chloroethane	1.71	64	65314	45.760	ug/l	99
7) Trichlorofluoromethane	1.92	101	128699	47.626	ug/l	100
8) Diethyl Ether	2.19	74	59465	46.456	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	80648	47.525	ug/l	98
10) Methyl Iodide	2.51	142	97978	49.721	ug/l	100
11) Tert butyl alcohol	3.06	59	120779	210.928	ug/l	99
12) 1,1-Dichloroethene	2.37	96	79560	46.793	ug/l	99
13) Acrolein	2.29	56	105217	202.897	ug/l	99
14) Allyl chloride	2.72	41	192630	46.489	ug/l	99
15) Acrylonitrile	3.14	53	319359	228.102	ug/l	99
16) Acetone	2.45	43	355338	267.514	ug/l	99
17) Carbon Disulfide	2.56	76	219063	45.890	ug/l	100
18) Methyl Acetate	2.77	43	142143	44.997	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	307792	46.617	ug/l	100
20) Methylene Chloride	2.85	84	97738	45.445	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	86603	46.966	ug/l	99
22) Diisopropyl ether	3.85	45	381023	47.816	ug/l	95
23) Vinyl Acetate	3.81	43	1685810	247.056	ug/l	100
24) 1,1-Dichloroethane	3.69	63	183838	46.766	ug/l	100
25) 2-Butanone	4.67	43	511822	247.960	ug/l	100
26) 2,2-Dichloropropane	4.57	77	140449	48.000	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	102322	46.490	ug/l	99
28) Bromochloromethane	5.01	49	69257	43.405	ug/l	99
29) Tetrahydrofuran	5.12	42	308396	232.180	ug/l	99
30) Chloroform	5.20	83	169172	47.583	ug/l	100
31) Cyclohexane	5.57	56	175648	48.027	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	140208	47.373	ug/l	99
36) 1,1-Dichloropropene	5.79	75	129398	50.552	ug/l	100
37) Ethyl Acetate	4.83	43	178014	49.914	ug/l	99
38) Carbon Tetrachloride	5.78	117	118315	50.874	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	163962	52.159	ug/l	98
40) Benzene	6.14	78	396401	50.039	ug/l	99
41) Methacrylonitrile	5.04	41	103461	48.734	ug/l	99
42) 1,2-Dichloroethane	6.19	62	144369	50.804	ug/l	99
43) Isopropyl Acetate	6.44	43	286107	50.153	ug/l	100
44) Trichloroethene	7.21	130	94634	49.415	ug/l	92
45) 1,2-Dichloropropane	7.51	63	112820	50.296	ug/l	99
46) Dibromomethane	7.66	93	64534	49.543	ug/l	99
47) Bromodichloromethane	7.89	83	132940	51.163	ug/l	96
48) Methyl methacrylate	7.76	41	146385	51.722	ug/l	98
49) 1,4-Dioxane	7.74	88	50368	877.548	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	963384	258.372	ug/l	99
52) Toluene	8.78	92	246048	51.096	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	153195	52.222	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	169806	52.296	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	99290	50.541	ug/l	99
56) Ethyl methacrylate	9.18	69	180806	51.558	ug/l	99
57) 1,3-Dichloropropane	9.37	76	175074	50.641	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	421486	226.560	ug/l	100
59) 2-Hexanone	9.49	43	766399	261.708	ug/l	99
60) Dibromochloromethane	9.58	129	100232	52.238	ug/l	98
61) 1,2-Dibromoethane	9.67	107	100854	50.857	ug/l	99
64) Tetrachloroethene	9.34	164	88499	51.489	ug/l	97
65) Chlorobenzene	10.13	112	254323	50.738	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	93565	51.488	ug/l	99
67) Ethyl Benzene	10.25	91	475335	51.527	ug/l	99
68) m/p-Xylenes	10.35	106	352019	104.424	ug/l	98
69) o-Xylene	10.69	106	169578	50.985	ug/l	100
70) Styrene	10.71	104	302088	52.256	ug/l	99
71) Bromoform	10.85	173	76880	52.059	ug/l #	100
73) Isopropylbenzene	11.02	105	464568	49.607	ug/l	100
74) N-amyl acetate	10.90	43	265209	48.574	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	163280	46.770	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	147315m	49.314	ug/l	
77) Bromobenzene	11.25	156	113304	48.745	ug/l	100
78) n-propylbenzene	11.36	91	546260	51.075	ug/l	100
79) 2-Chlorotoluene	11.42	91	318650	48.292	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	394663	50.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	58275	49.913	ug/l	98
82) 4-Chlorotoluene	11.51	91	373645	50.125	ug/l	100
83) tert-Butylbenzene	11.77	119	380306	49.579	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	398461	50.343	ug/l	99
85) sec-Butylbenzene	11.94	105	459704	50.549	ug/l	100
86) p-Isopropyltoluene	12.06	119	421217	51.520	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	206063	49.729	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	207231	49.605	ug/l	99
89) n-Butylbenzene	12.38	91	395475	53.518	ug/l	100
90) Hexachloroethane	12.60	117	70422	50.559	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	202567	47.996	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36731	46.901	ug/l	97

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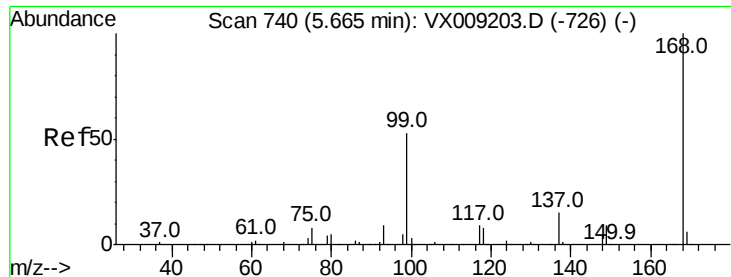
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	147071	50.958	ug/l	100
94) Hexachlorobutadiene	13.78	225	78829	53.485	ug/l	99
95) Naphthalene	13.83	128	454629	48.417	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	148131	50.633	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 181210

Ion Ratio Lower Upper

168 100

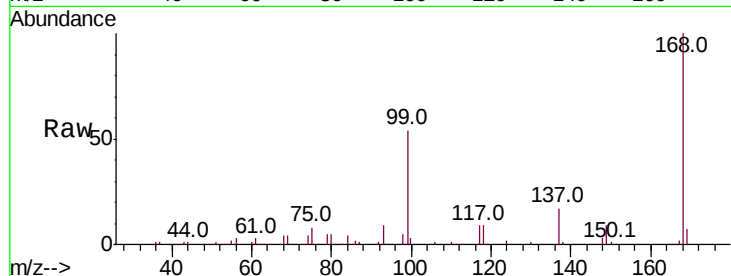
99 53.8 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

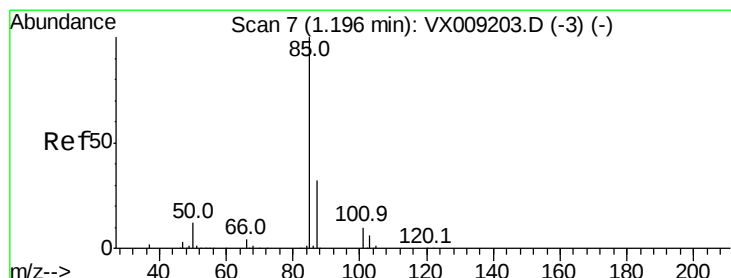
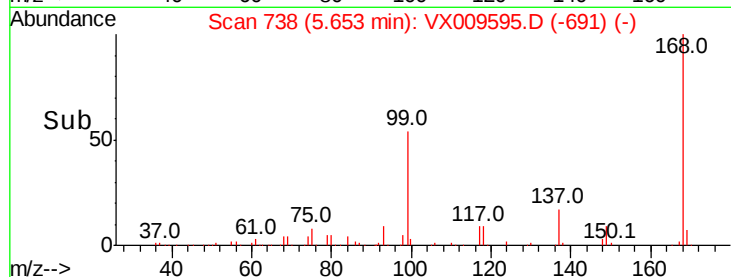
40000

20000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 41.616 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009595.D

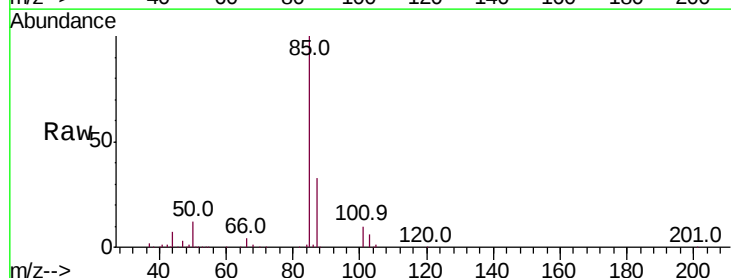
Acq: 16 May 2019 09:58

Tgt Ion: 85 Resp: 69494

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

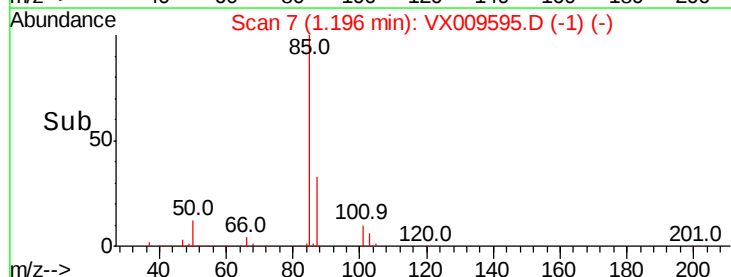
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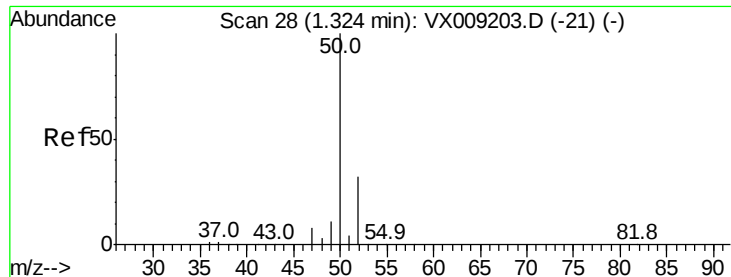
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.892 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 104626

Ion Ratio Lower Upper

50 100

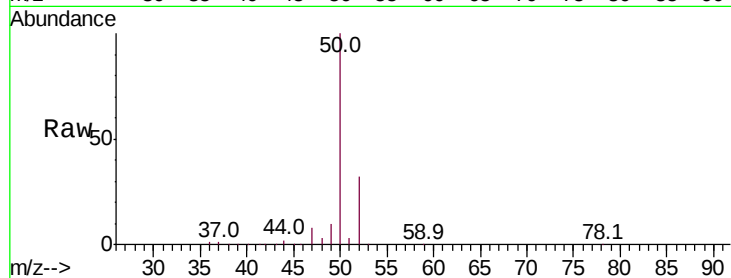
52 32.4 25.9 38.9

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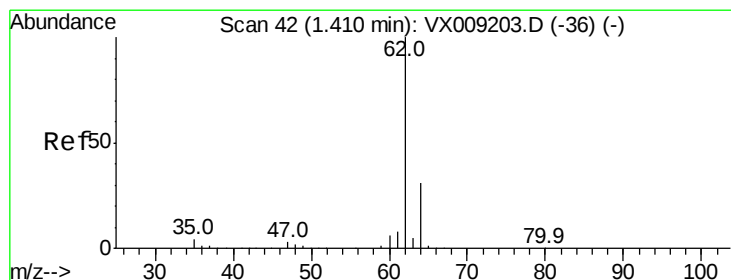
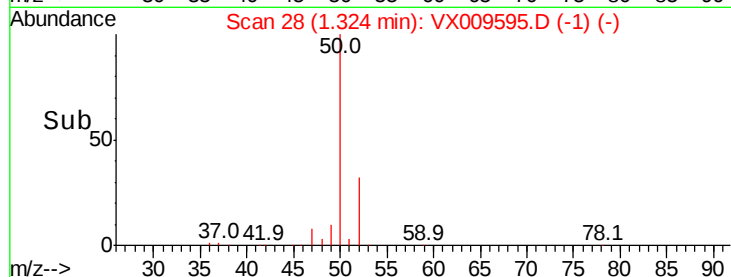
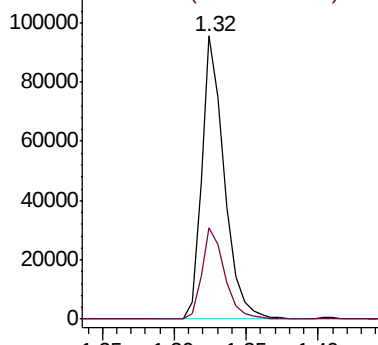
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.773 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009595.D

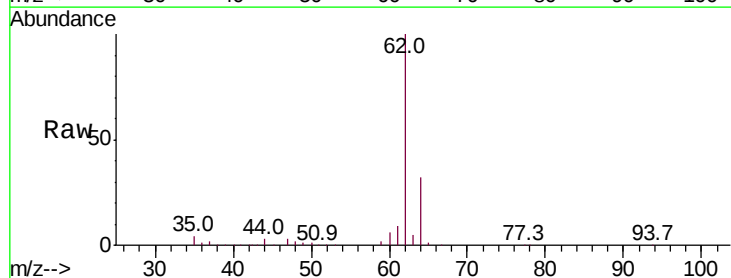
Acq: 16 May 2019 09:58

Tgt Ion: 62 Resp: 101759

Ion Ratio Lower Upper

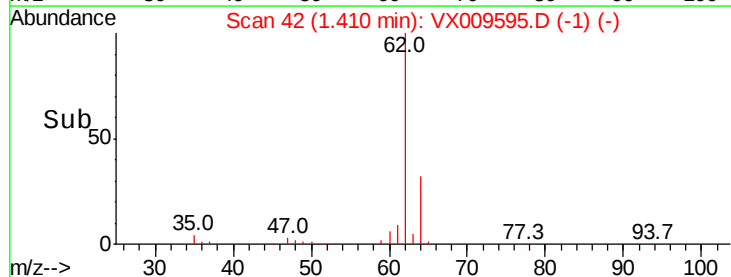
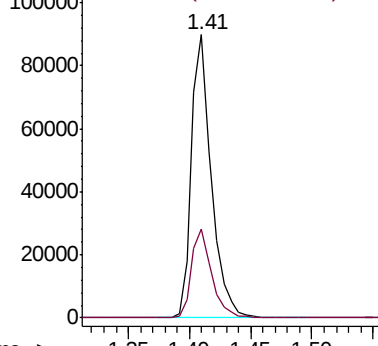
62 100

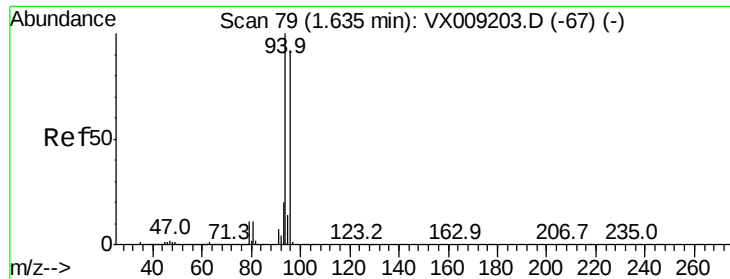
64 31.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.920 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61273

Ion Ratio Lower Upper

94 100

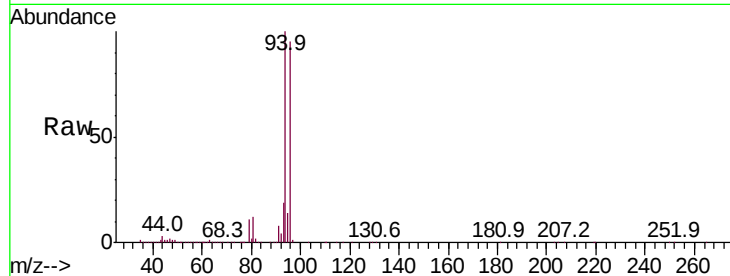
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Manual Integrations

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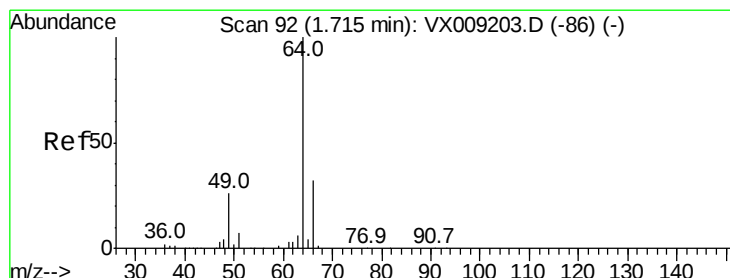
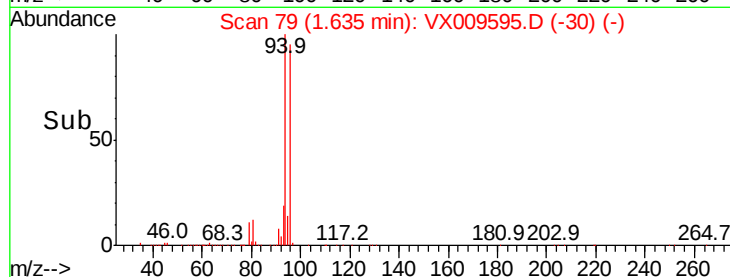
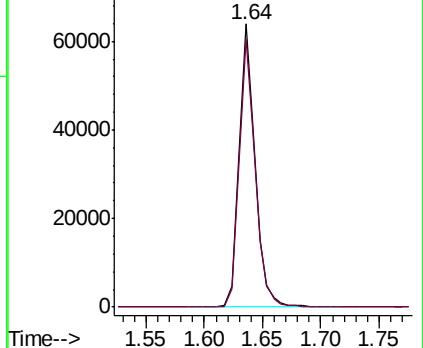
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.760 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009595.D

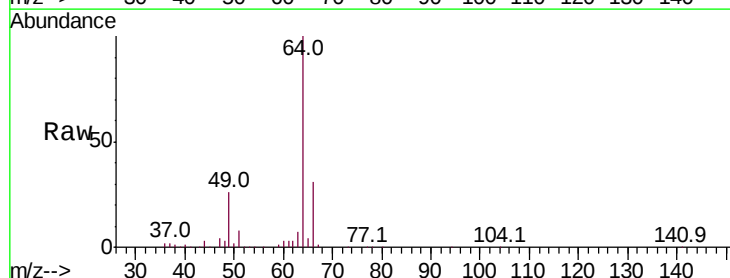
Acq: 16 May 2019 09:58

Tgt Ion: 64 Resp: 65314

Ion Ratio Lower Upper

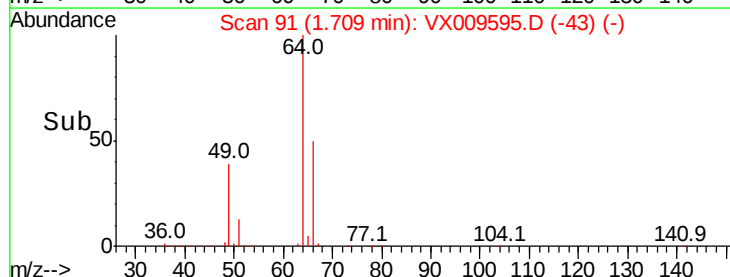
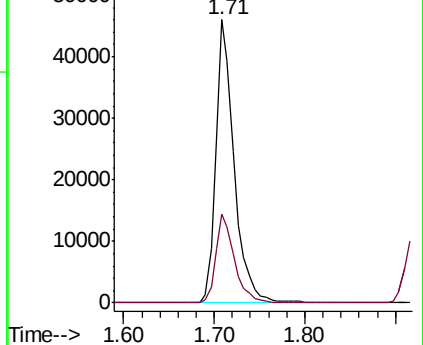
64 100

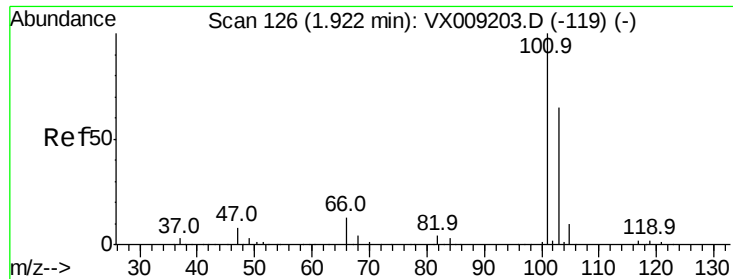
66 31.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

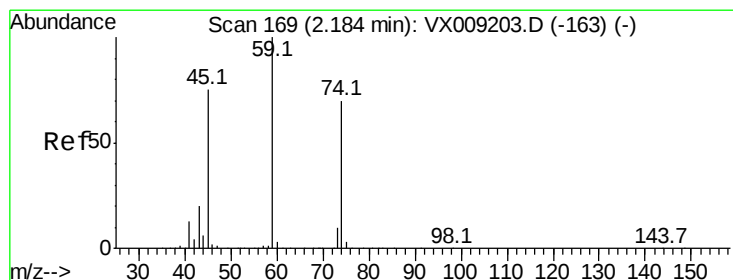
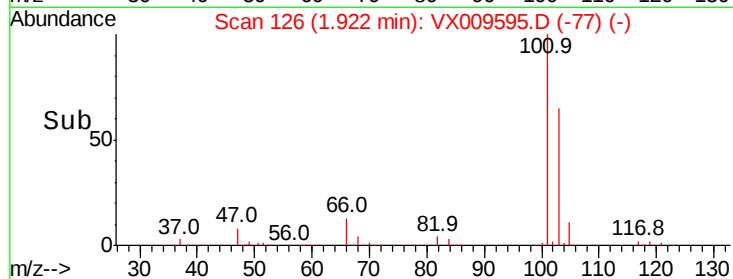
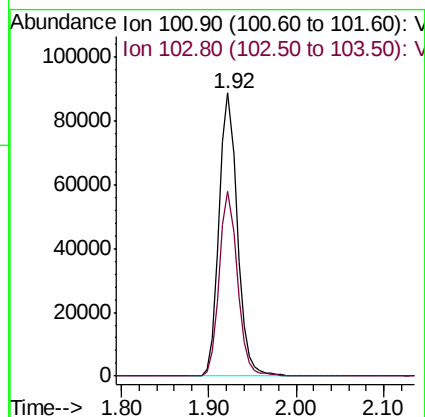
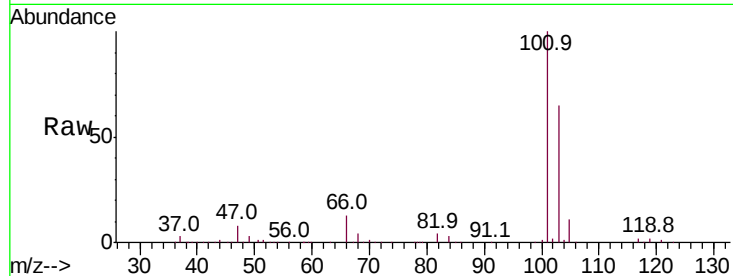
Trichlorofluoromethane
Concen: 47.626 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.4	78.6

Manual Integrations
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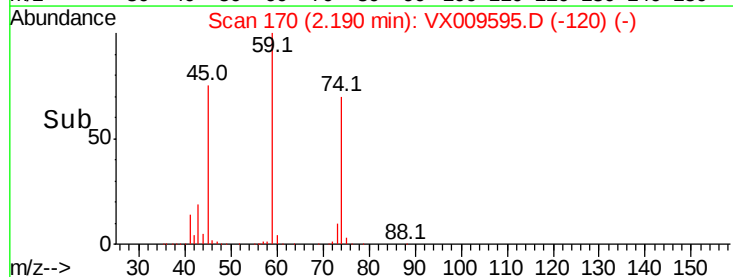
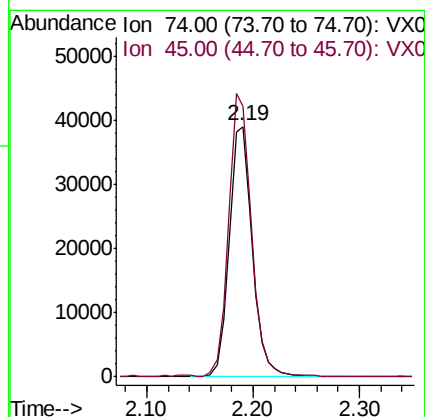
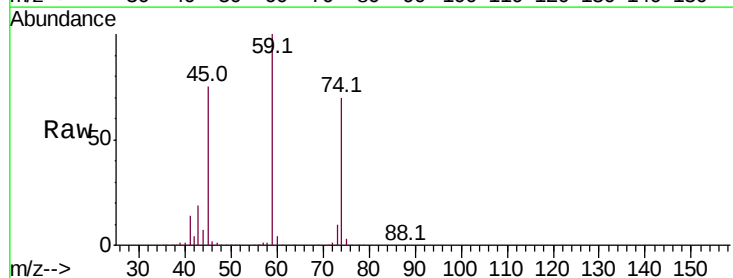
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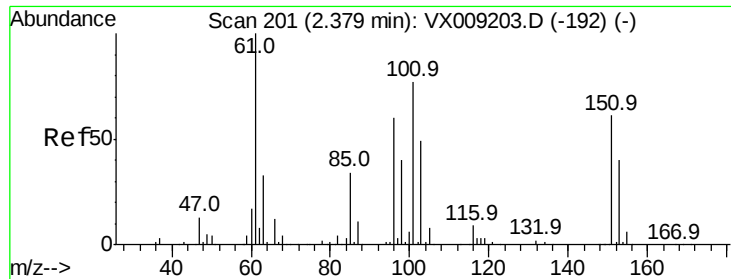


#8

Diethyl Ether
Concen: 46.456 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.525 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 80648

Ion Ratio Lower Upper

101 100

85 44.3 35.7 53.5

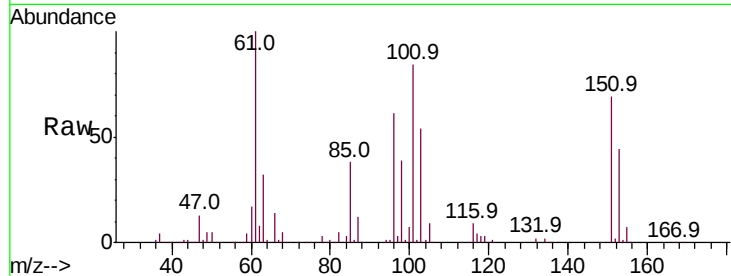
151 79.8 62.2 93.2

Manual Integrations

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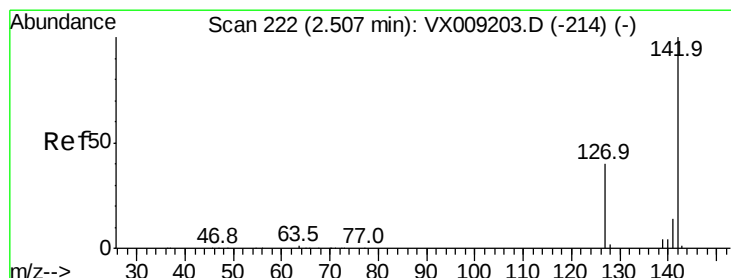
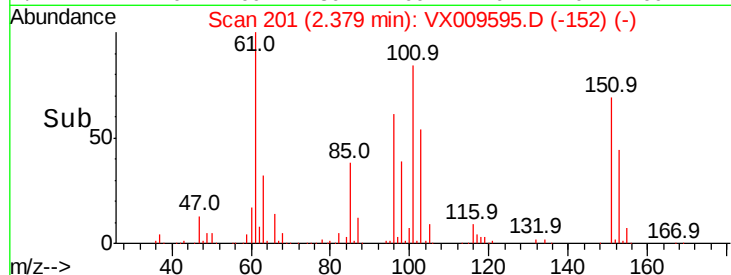
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.38

Time-->



#10

Methyl Iodide

Concen: 49.721 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

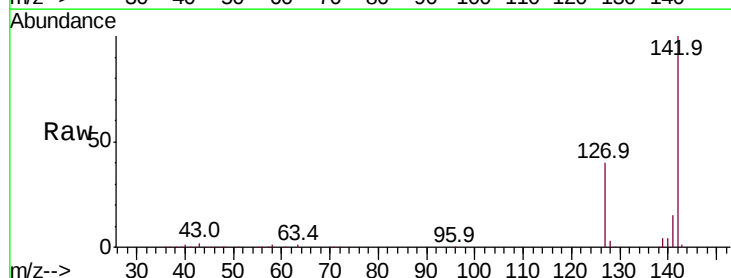
Tgt Ion:142 Resp: 97978

Ion Ratio Lower Upper

142 100

127 40.9 32.7 49.1

141 15.0 11.5 17.3



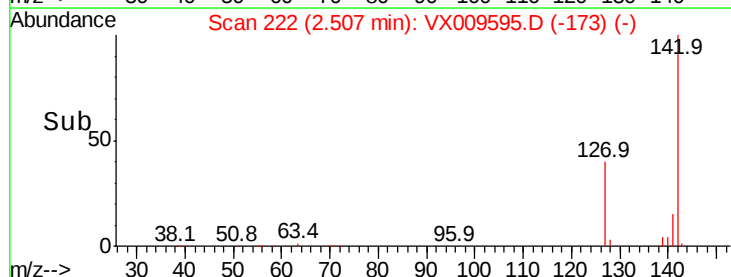
Abundance Ion 141.80 (141.50 to 142.50): V

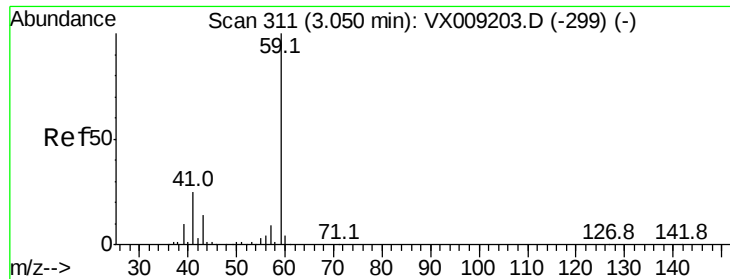
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

Time-->





#11

Tert butyl alcohol

Concen: 210.928 ug/l

RT: 3.06 min Scan# 312

Delta R.T. 0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

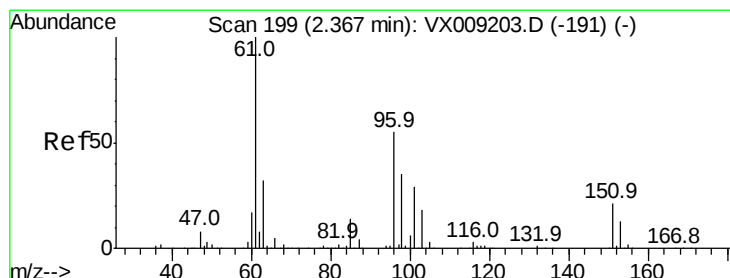
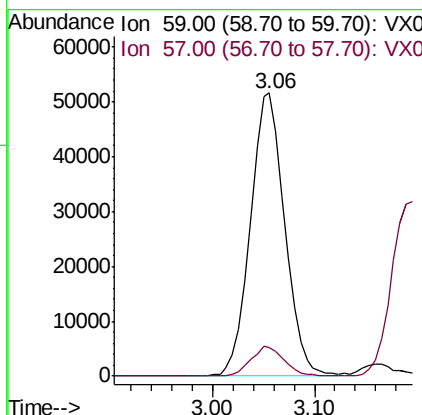
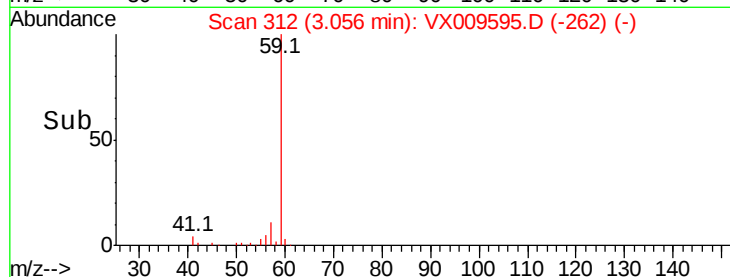
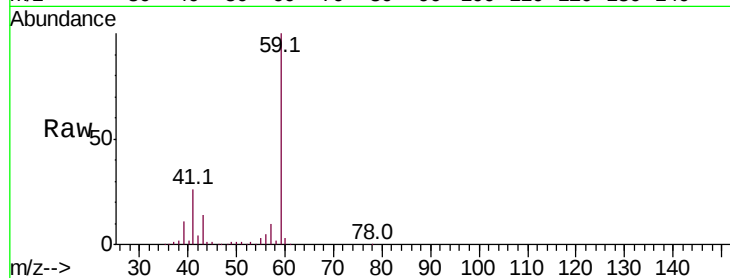
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 120779

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 46.793 ug/l

RT: 2.37 min Scan# 199

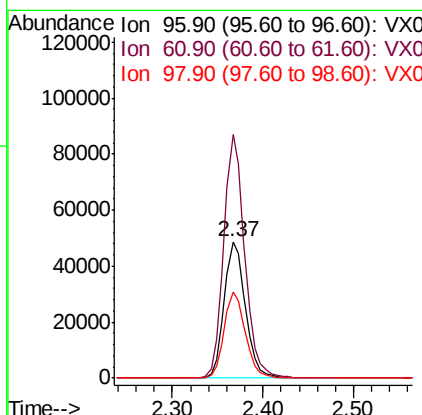
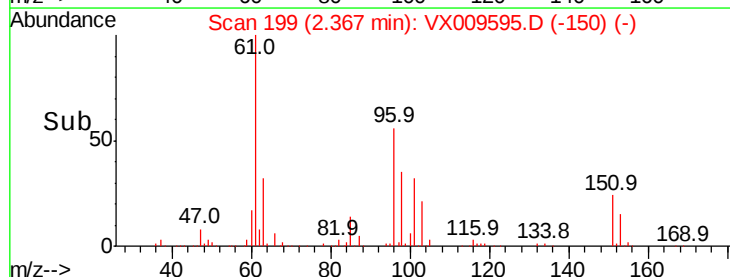
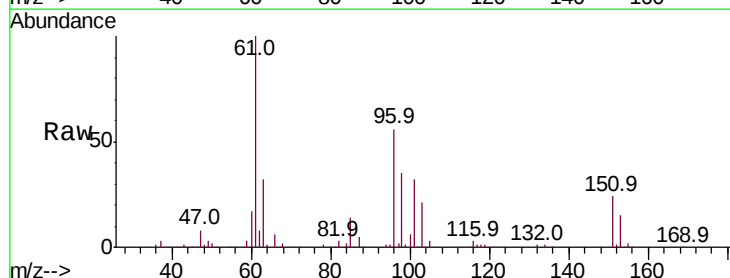
Delta R.T. -0.00 min

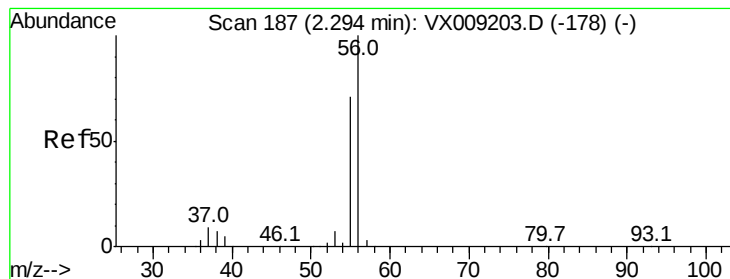
Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion: 96 Resp: 79560

Ion	Ratio	Lower	Upper
96	100		
61	178.5	144.3	216.5
98	62.9	50.3	75.5





#13

Acrolein

Concen: 202.897 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 105217

Ion Ratio Lower Upper

56 100

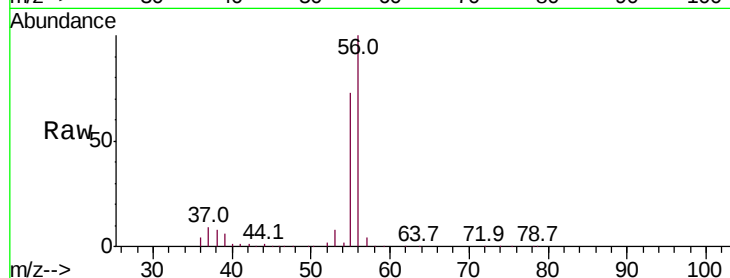
55 71.9 56.6 85.0

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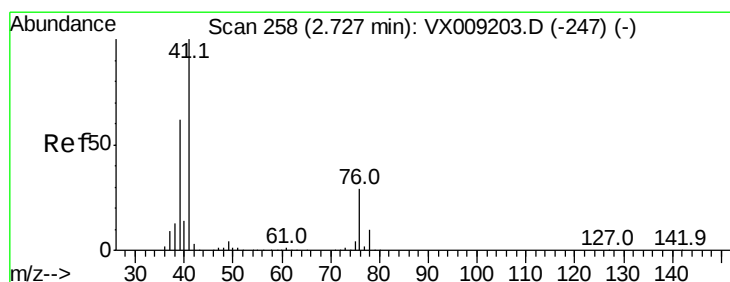
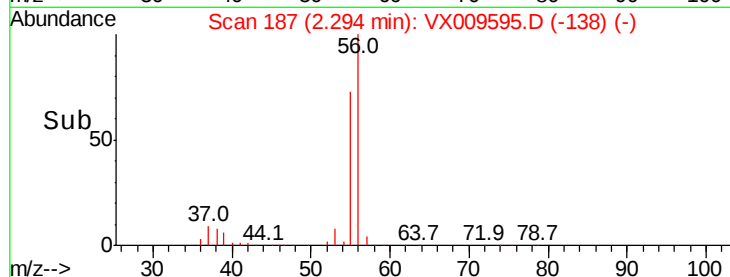
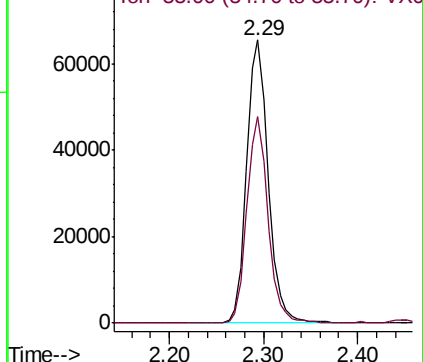
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.489 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

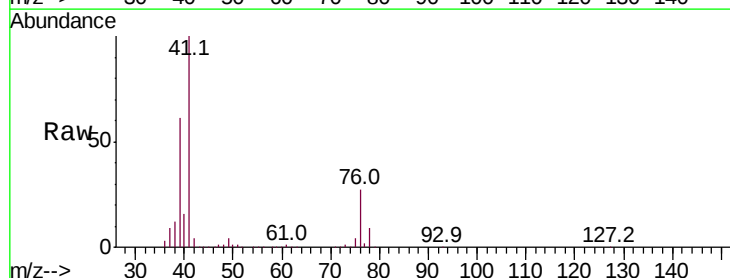
Tgt Ion: 41 Resp: 192630

Ion Ratio Lower Upper

41 100

39 58.5 46.7 70.1

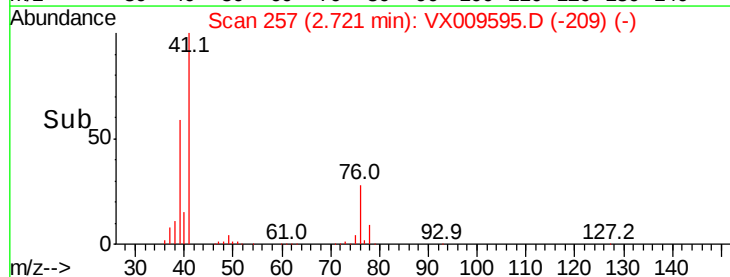
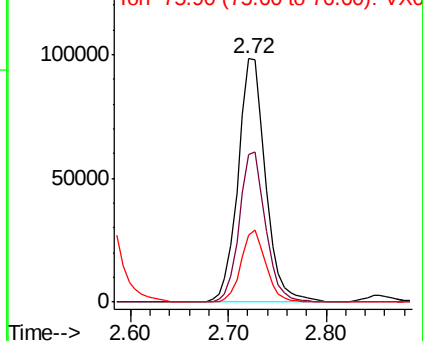
76 26.5 21.8 32.8

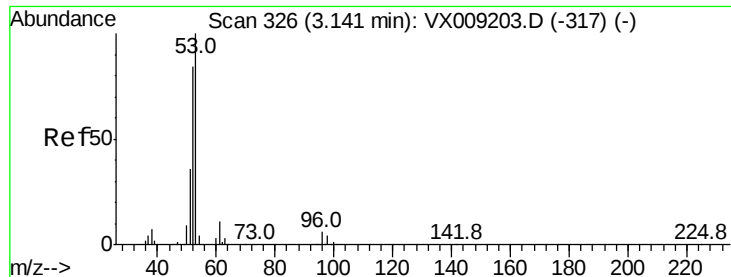


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 228.102 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

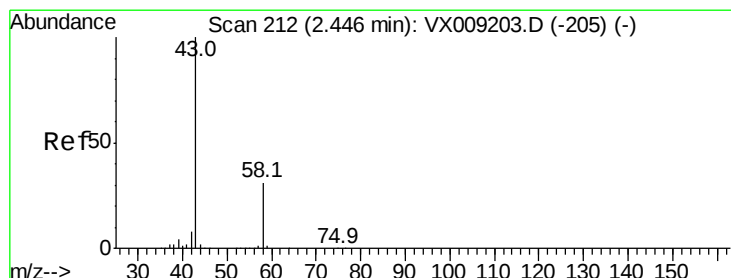
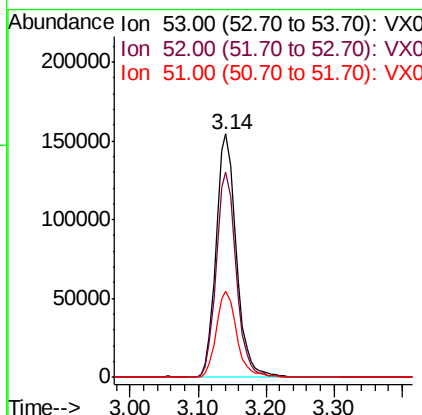
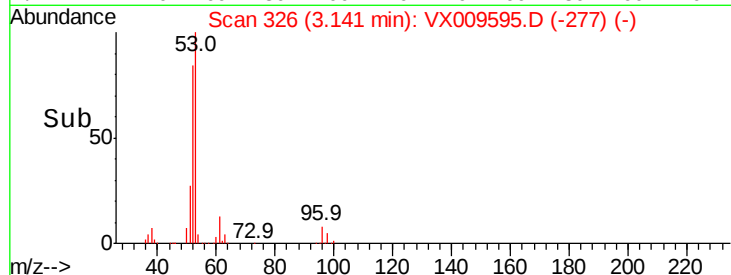
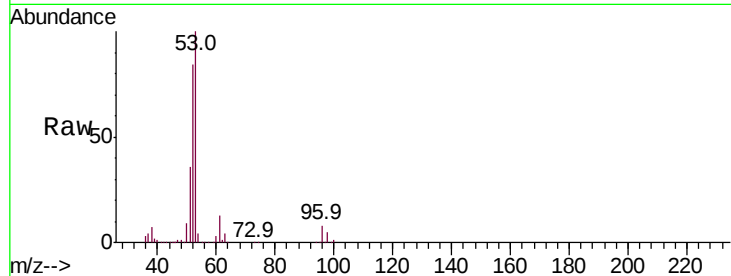
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	319359
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.9	100.3
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 267.514 ug/l

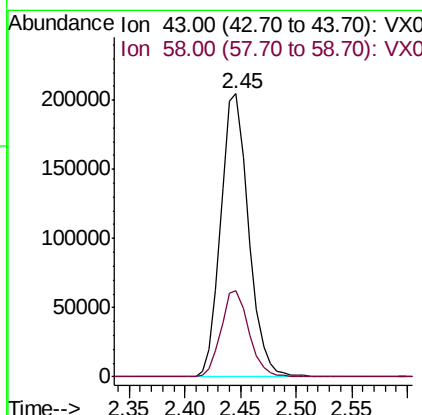
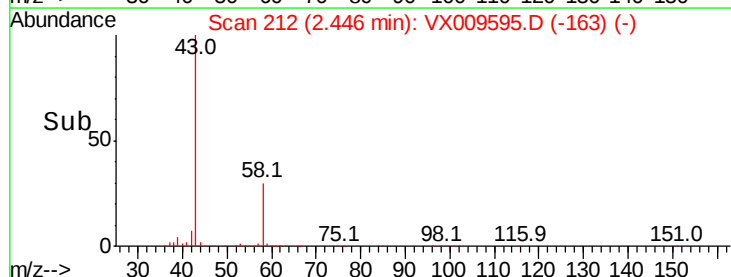
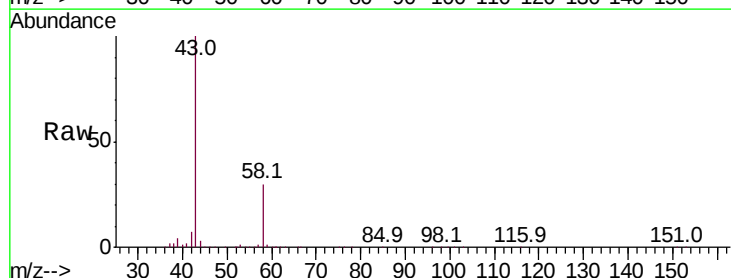
RT: 2.45 min Scan# 212

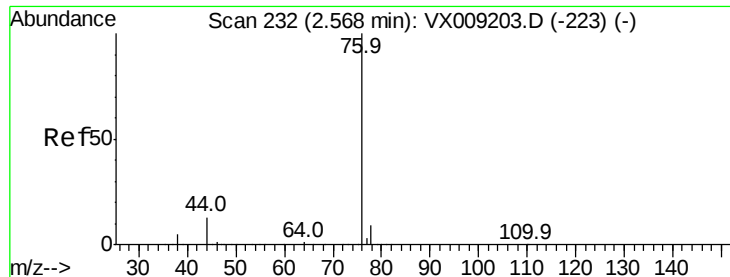
Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion:	43	Resp:	355338
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.9	37.3





#17

Carbon Disulfide

Concen: 45.890 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 219063

Ion Ratio Lower Upper

76 100

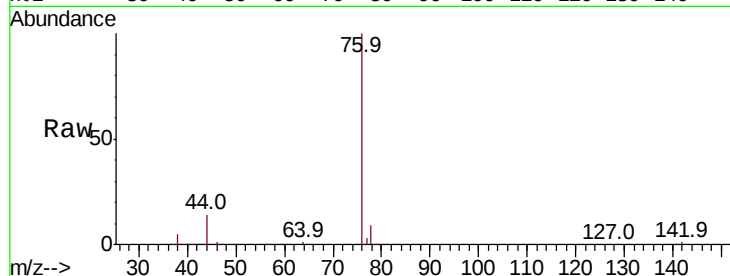
78 9.3 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

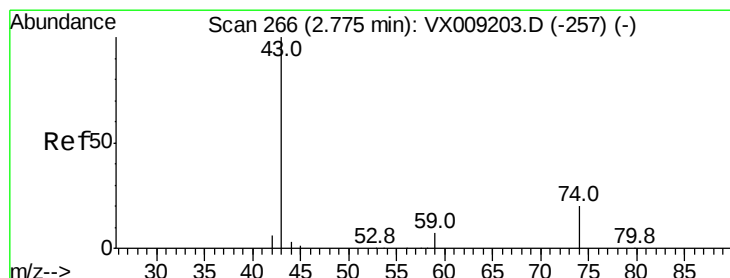
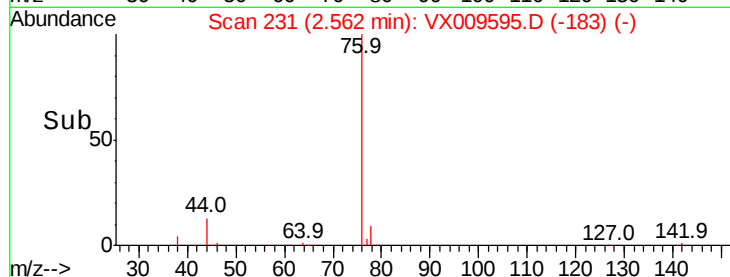
2.56

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.997 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009595.D

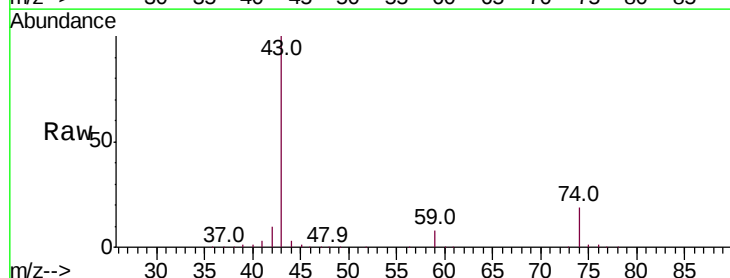
Acq: 16 May 2019 09:58

Tgt Ion: 43 Resp: 142143

Ion Ratio Lower Upper

43 100

74 20.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

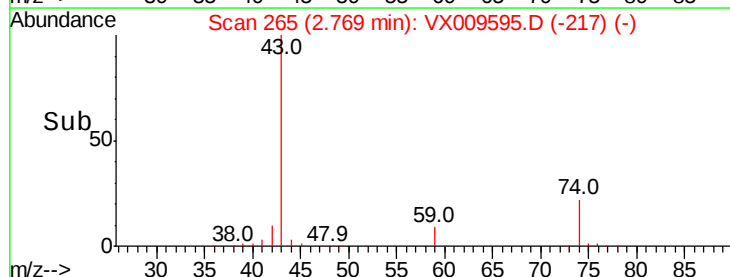
60000

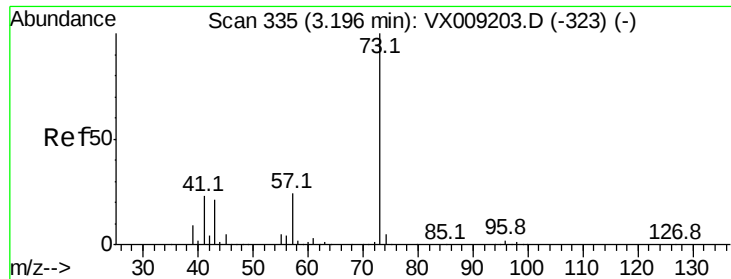
40000

20000

0

Time-->





#19

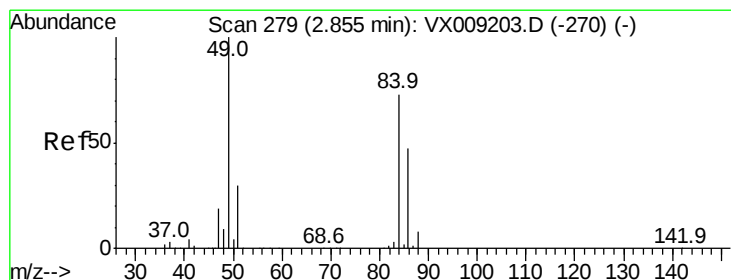
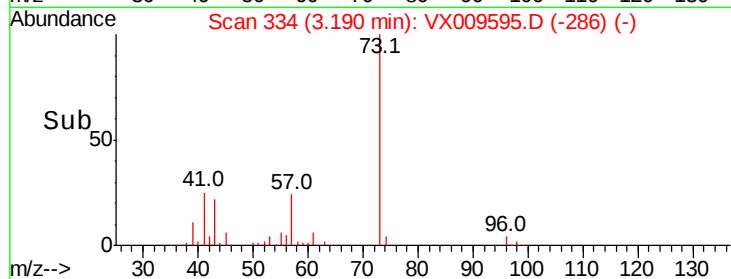
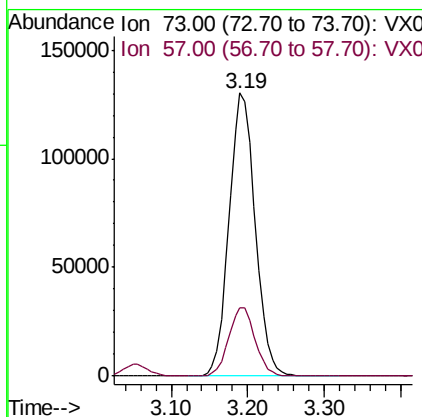
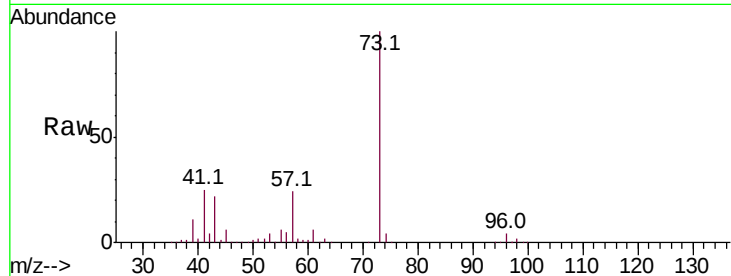
Methyl tert-butyl Ether
 Concen: 46.617 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009595.D
 Acq: 16 May 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9

Manual Integrations
 APPROVED

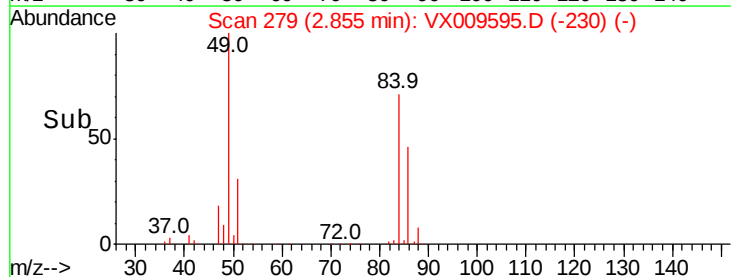
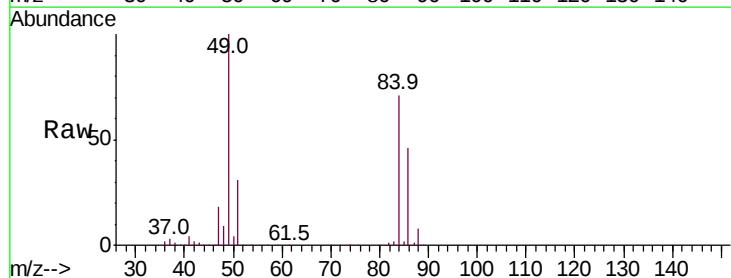
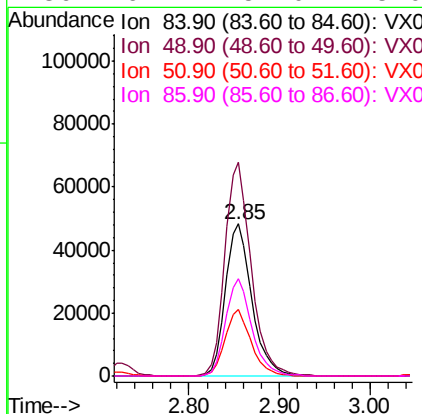
MMDadoda
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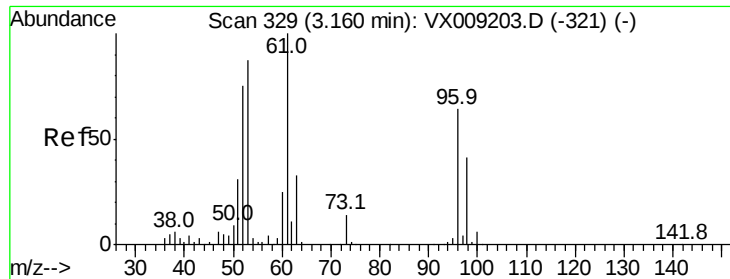


#20

Methylene Chloride
 Concen: 45.445 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009595.D
 Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.5	109.9	164.9
51	43.4	32.7	49.1
86	64.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 46.966 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 86603

Ion Ratio Lower Upper

96 100

61 154.8 124.5 186.7

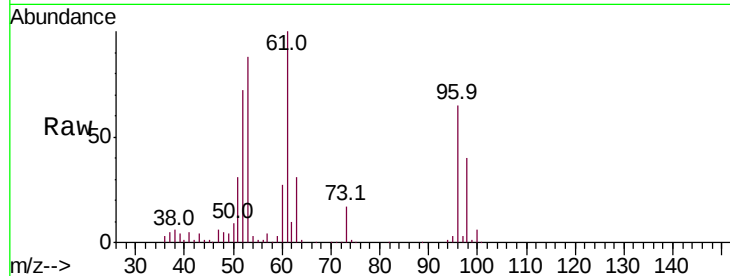
98 62.3 50.4 75.6

Manual Integrations

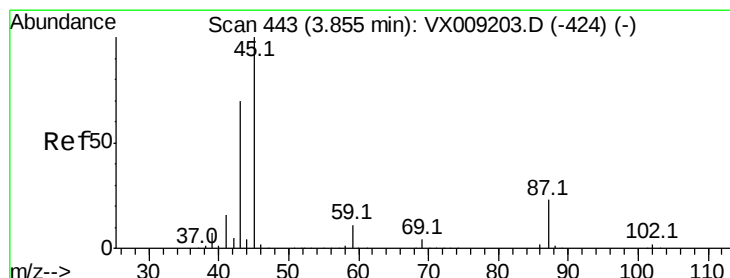
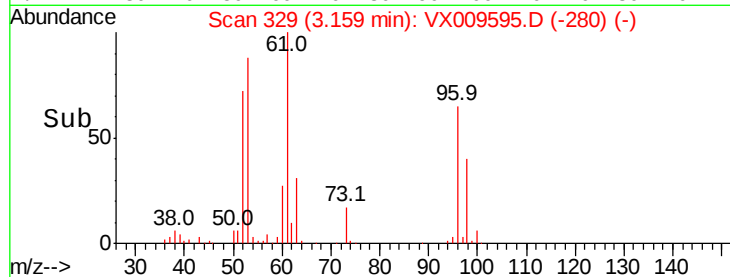
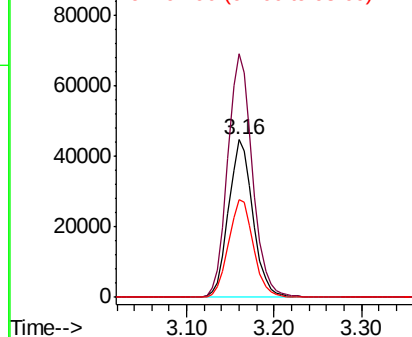
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.816 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion: 45 Resp: 381023

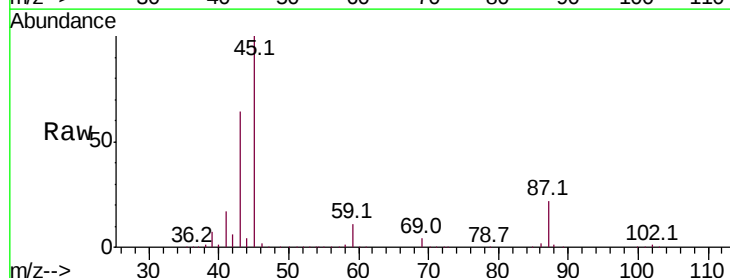
Ion Ratio Lower Upper

45 100

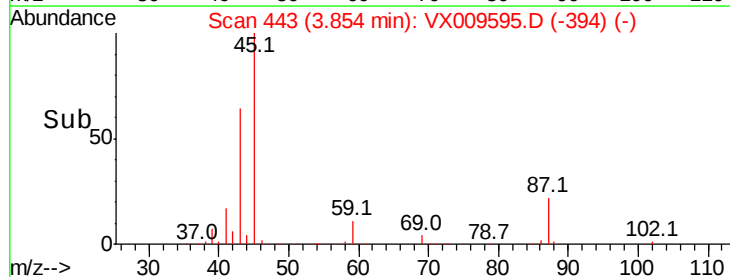
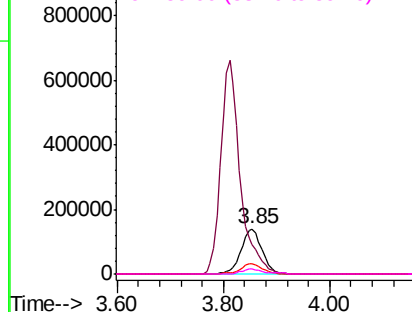
43 64.1 56.1 84.1

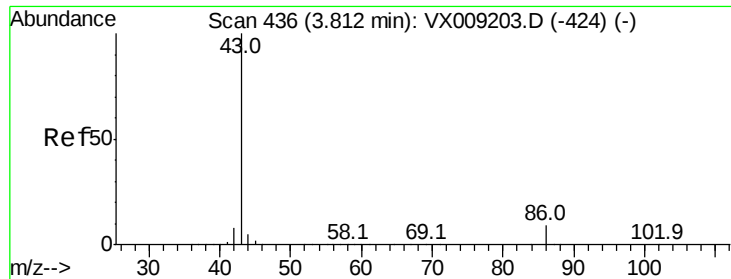
87 22.4 18.1 27.1

59 10.5 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 247.056 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1685810

Ion Ratio Lower Upper

43 100

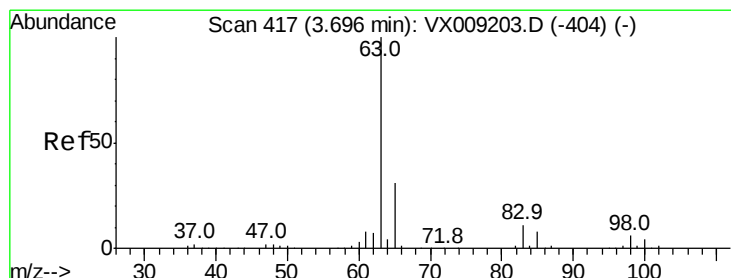
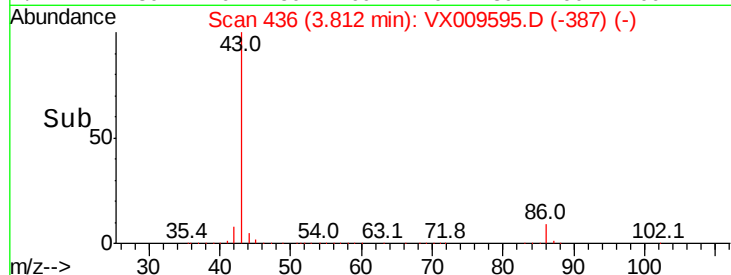
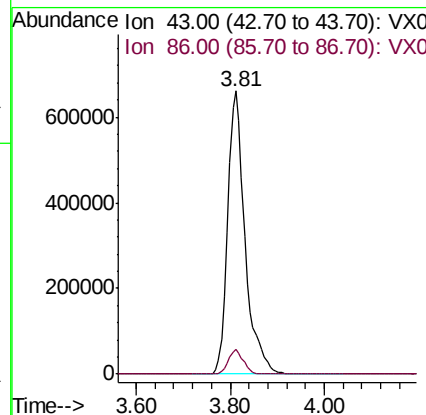
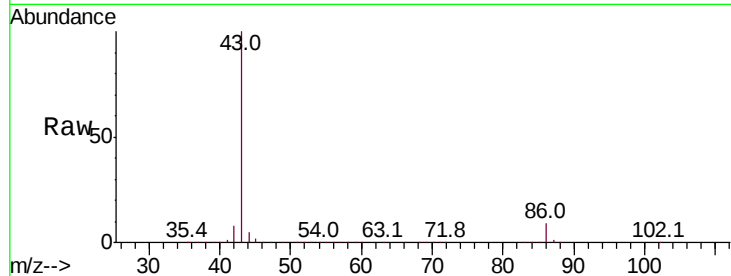
86 8.6 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.766 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

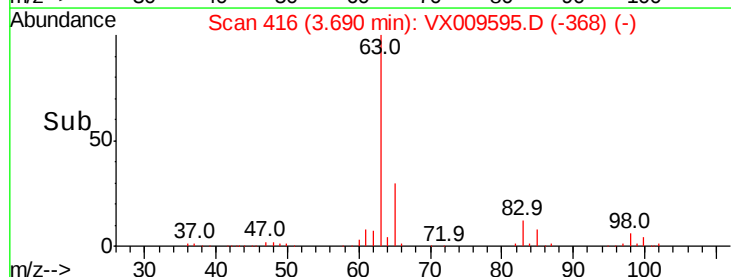
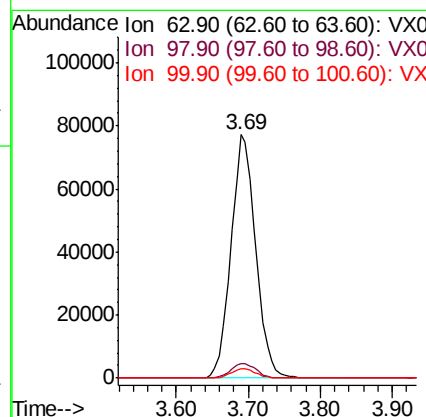
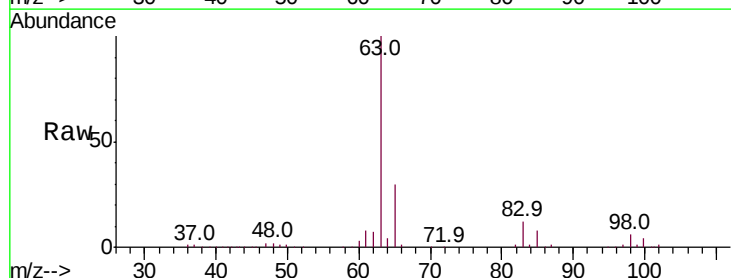
Tgt Ion: 63 Resp: 183838

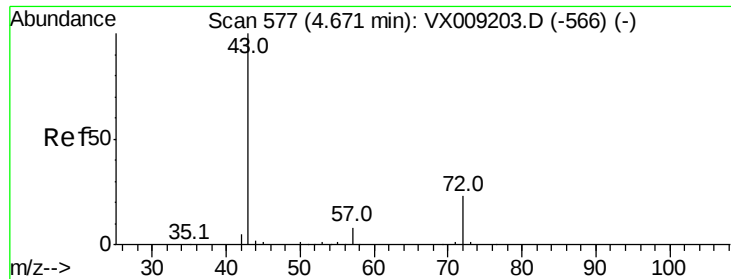
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 247.960 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 511822

Ion Ratio Lower Upper

43 100

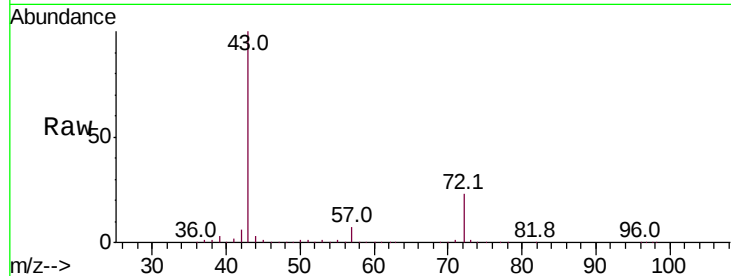
72 22.6 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

150000

100000

50000

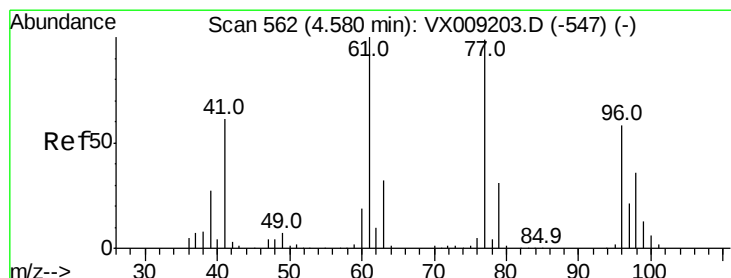
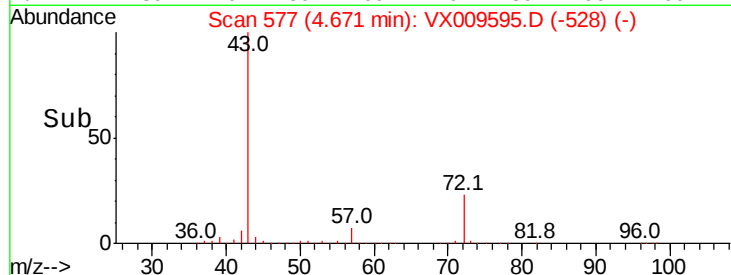
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.000 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009595.D

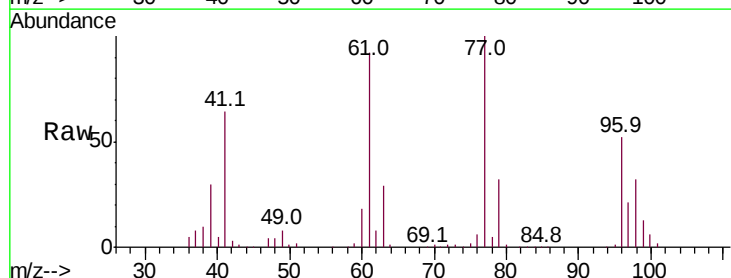
Acq: 16 May 2019 09:58

Tgt Ion: 77 Resp: 140449

Ion Ratio Lower Upper

77 100

97 22.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

50000

40000

30000

20000

10000

0

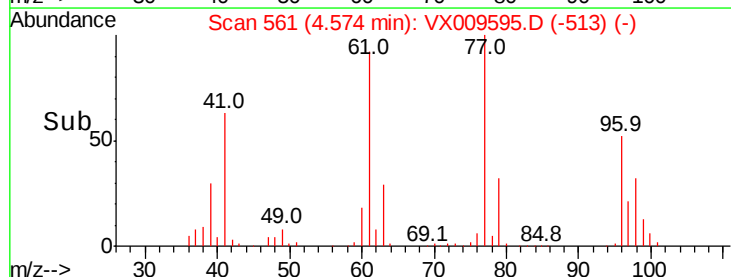
4.40

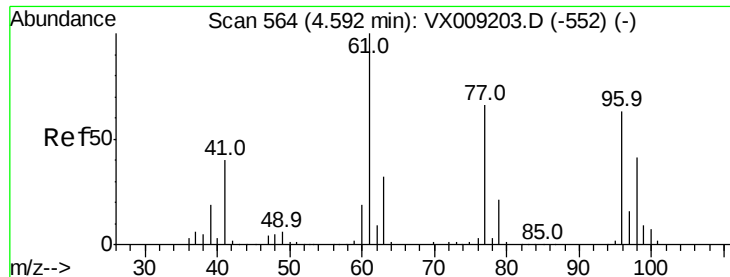
4.50

4.60

4.70

Time-->





#27

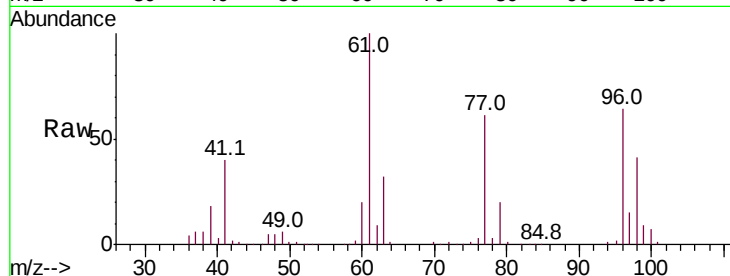
cis-1,2-Dichloroethene
Concen: 46.490 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.9	0.0	324.0	
98	63.9	0.0	130.4	

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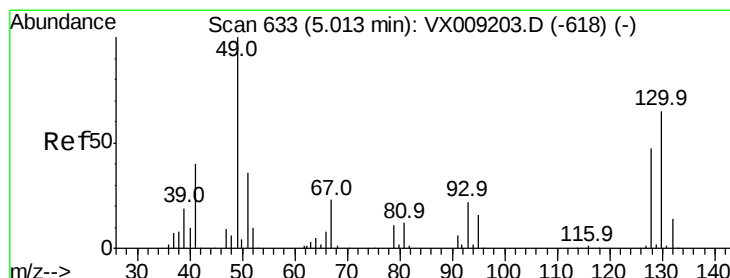
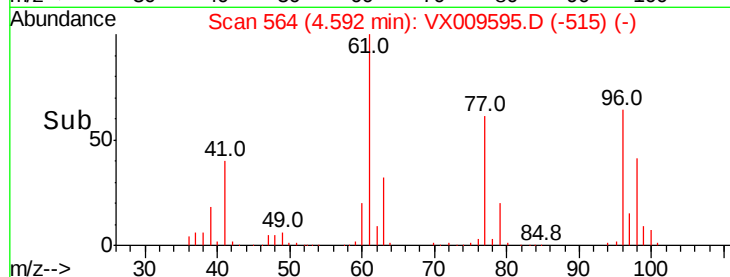
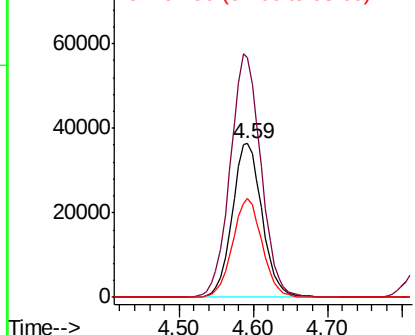


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

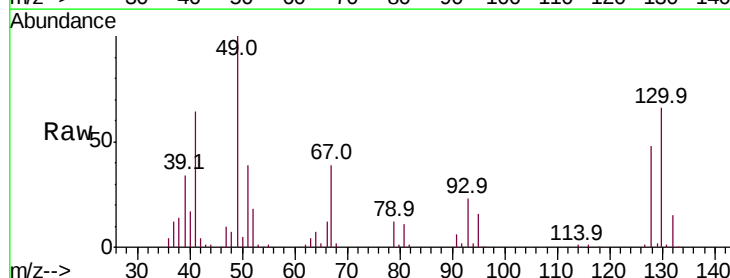
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 43.405 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.8	
130	63.3	51.2	76.8	

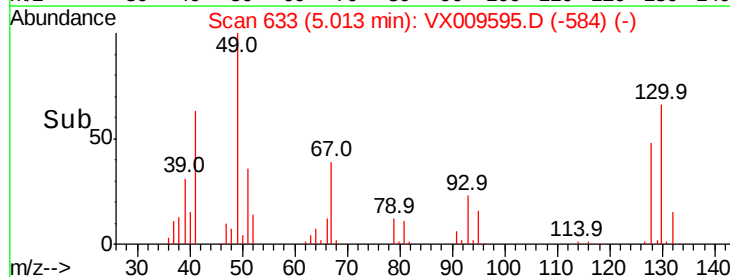
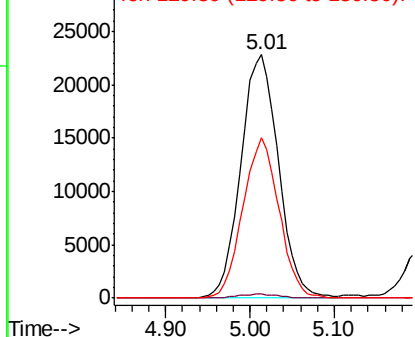


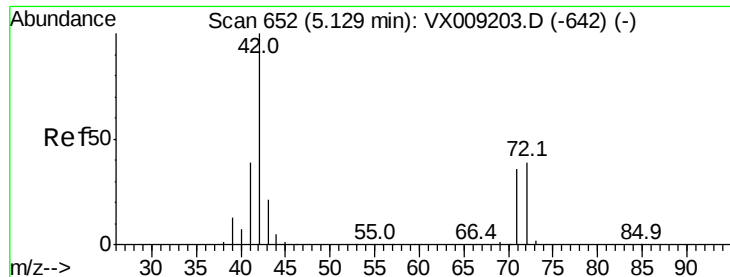
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





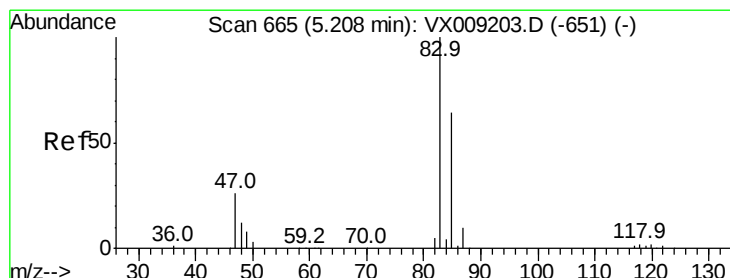
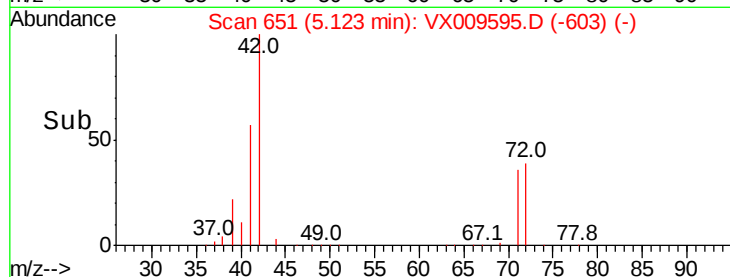
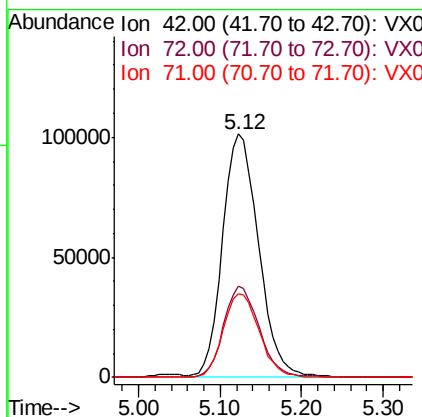
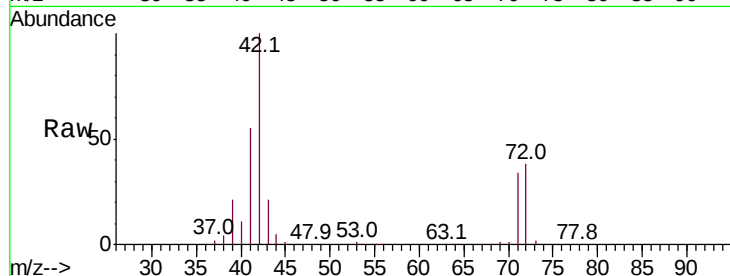
#29
Tetrahydrofuran
Concen: 232.180 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.4	45.6
71	34.8	28.6	43.0

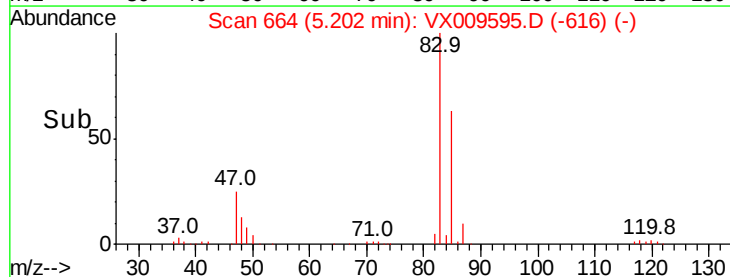
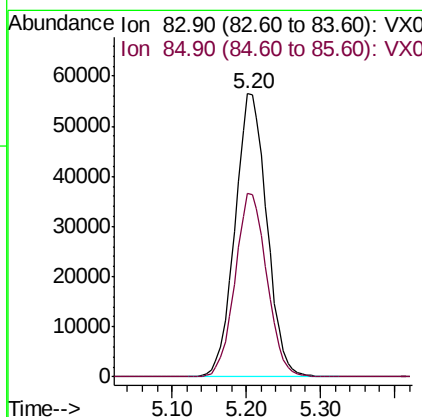
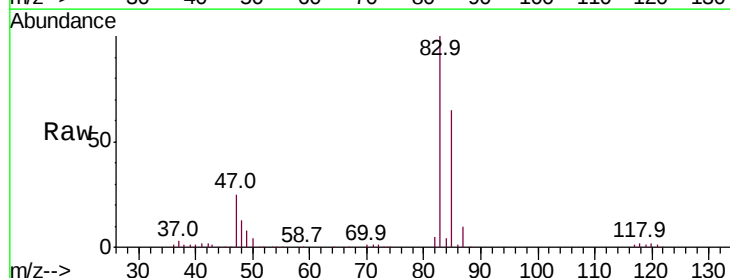
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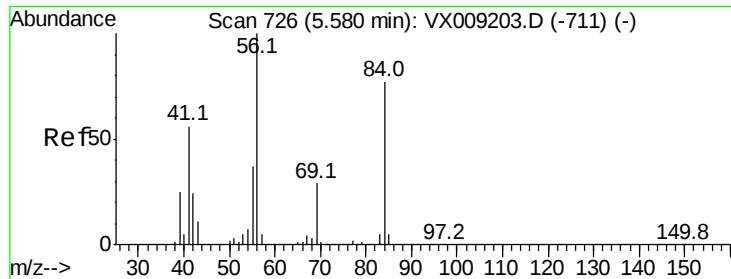
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#30
Chloroform
Concen: 47.583 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





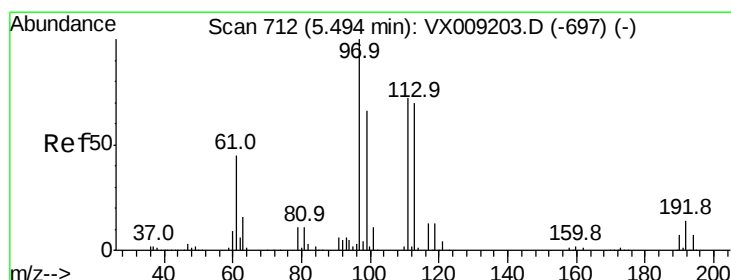
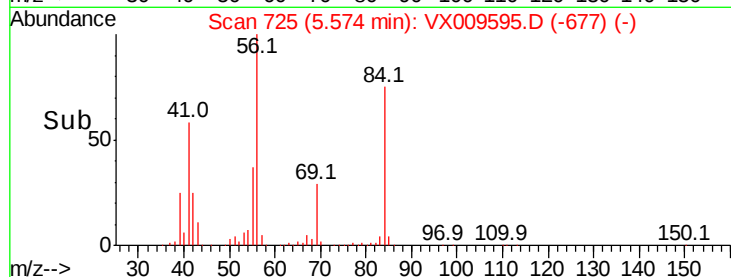
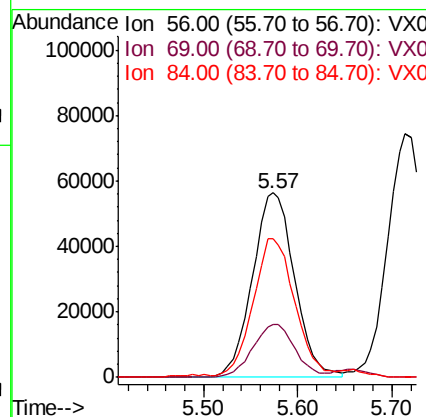
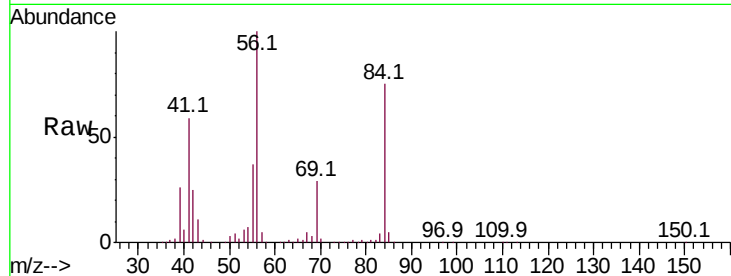
#31
Cyclohexane
Concen: 48.027 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.0
84	73.8	61.9	92.9

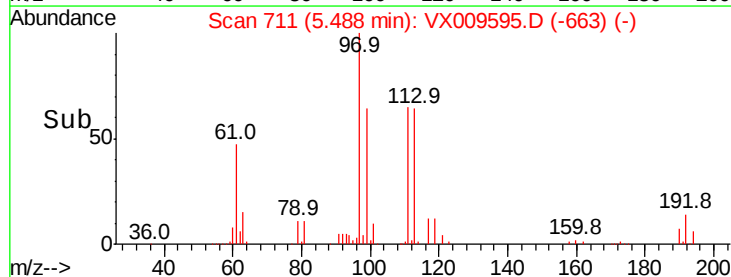
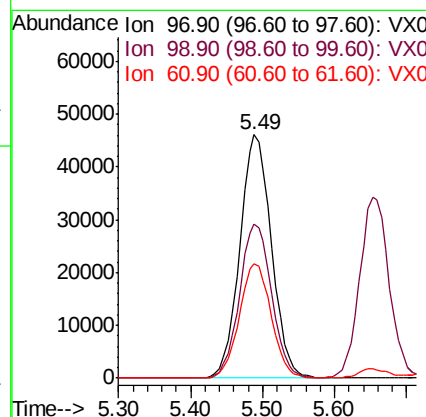
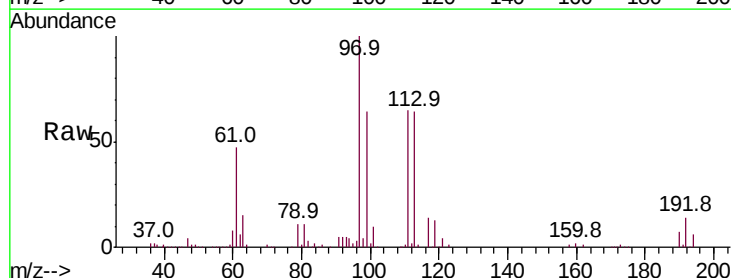
Manual Integrations
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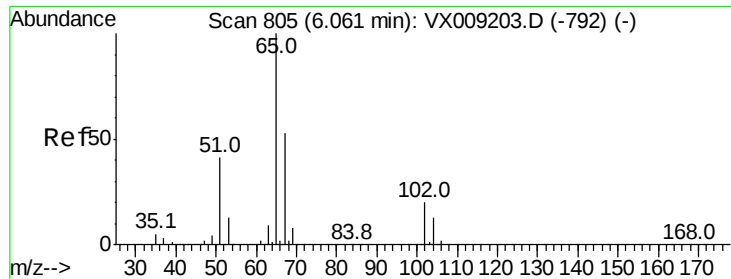
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#32
1,1,1-Trichloroethane
Concen: 47.373 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	47.7	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 46.826 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 115836

Ion Ratio Lower Upper

65 100

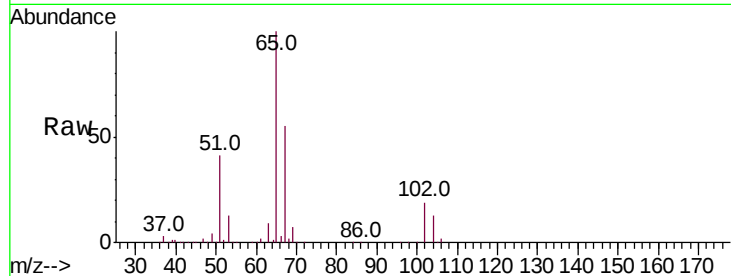
67 53.4 0.0 106.6

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

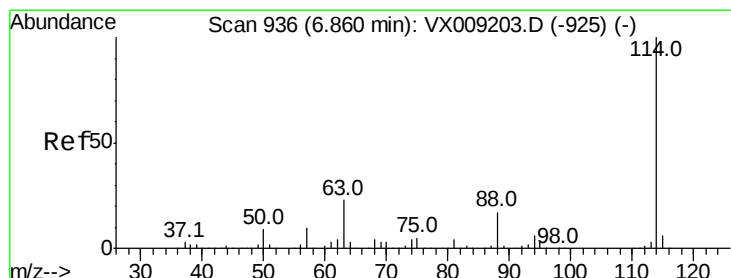
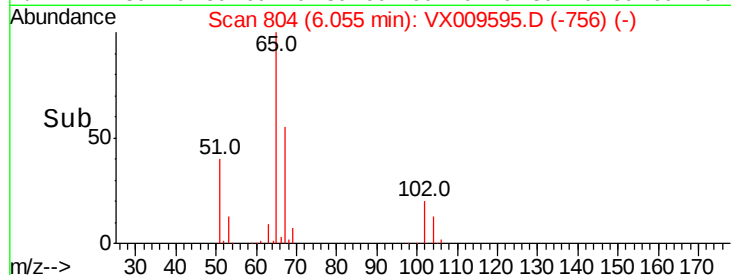
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

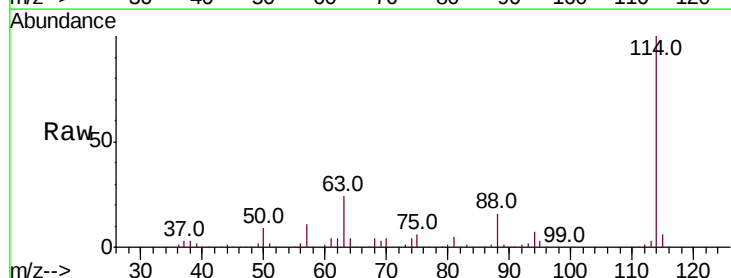
Tgt Ion: 114 Resp: 275438

Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.6

88 16.5 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

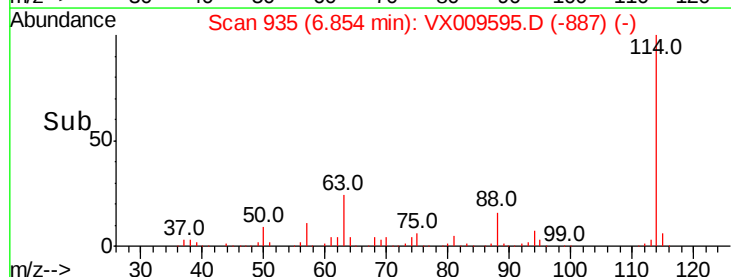
150000

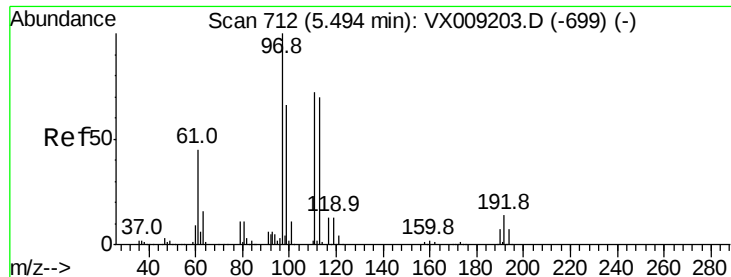
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.949 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

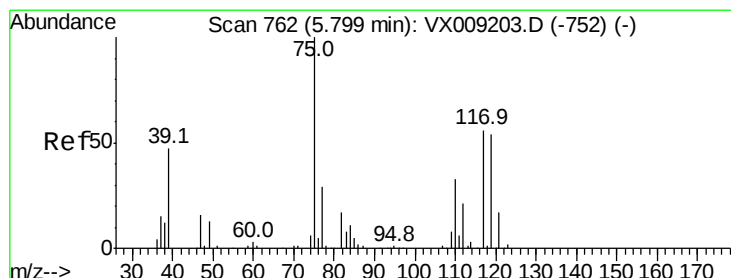
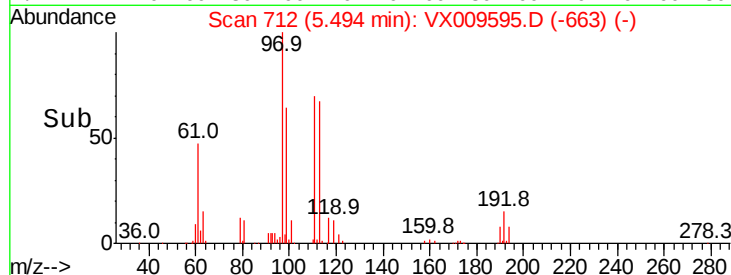
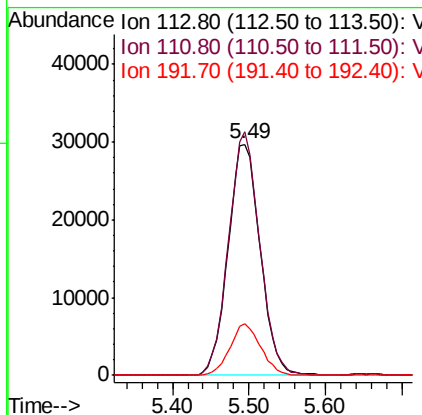
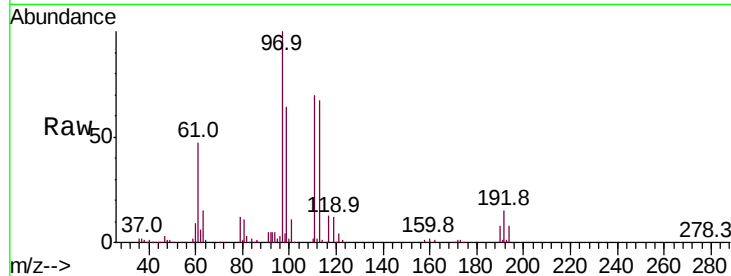
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	86487
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.8	124.2
192	21.3	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 50.552 ug/l

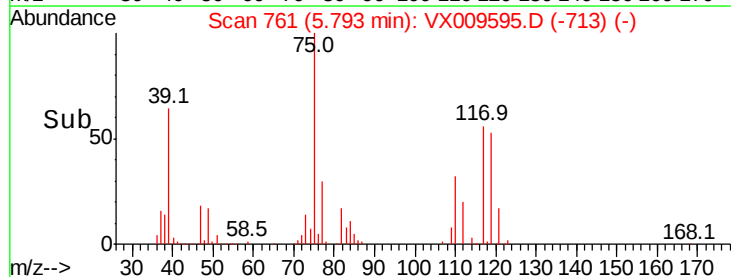
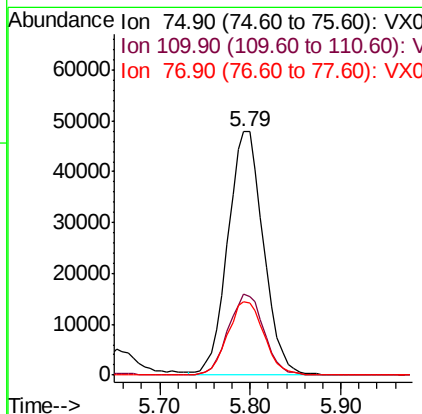
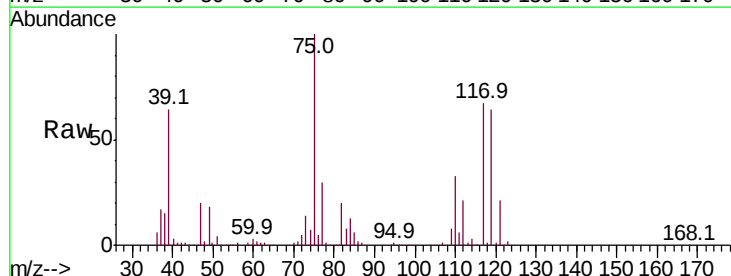
RT: 5.79 min Scan# 761

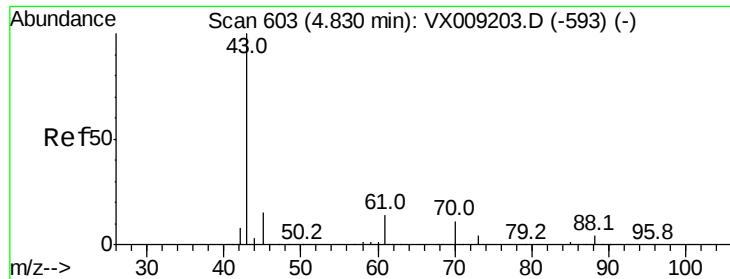
Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion:	75	Resp:	129398
Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	31.3	24.8	37.2





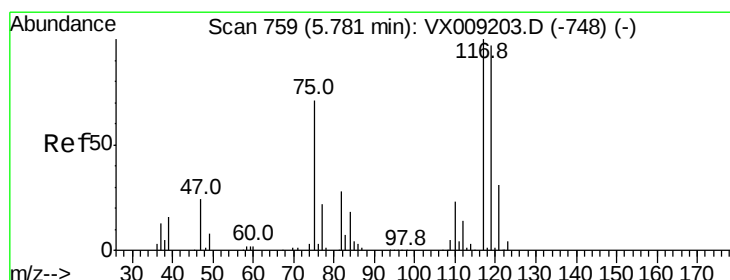
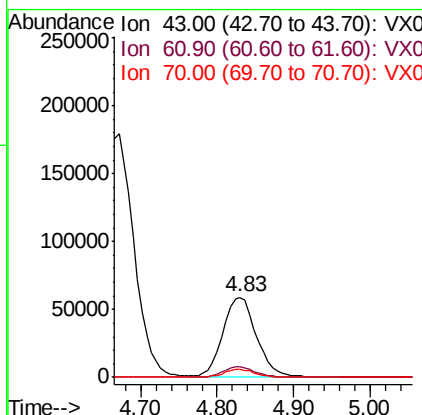
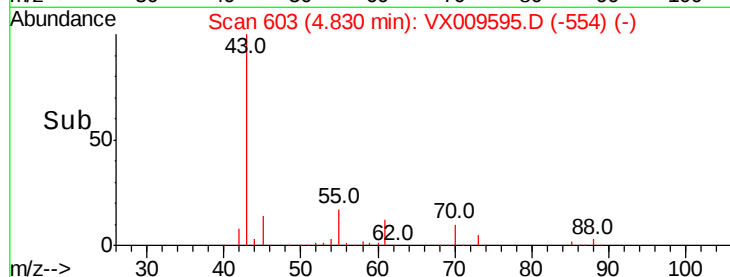
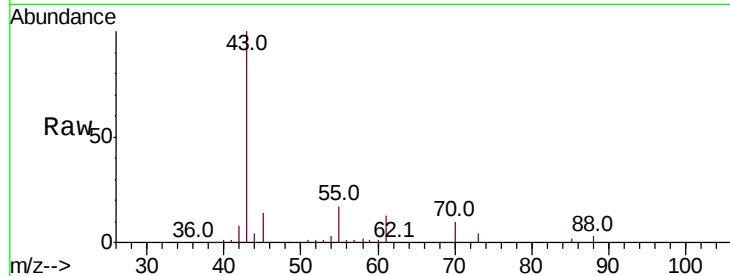
#37
Ethyl Acetate
Concen: 49.914 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.4	7.9	11.9

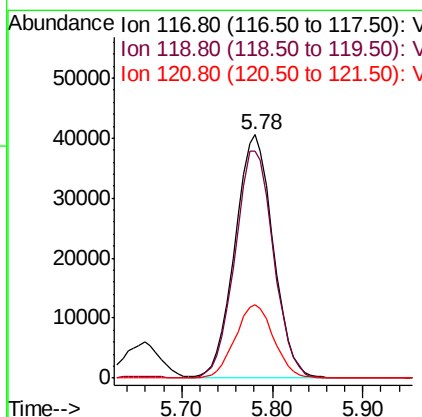
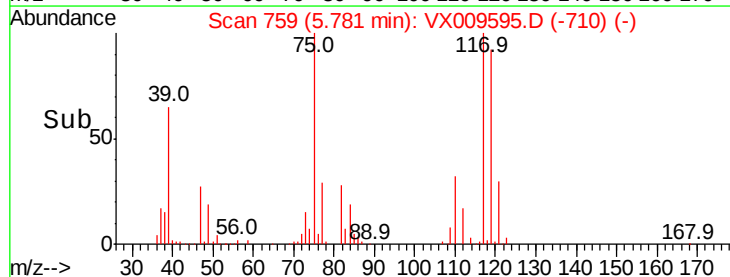
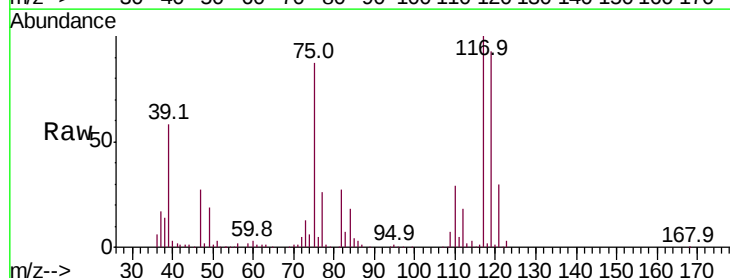
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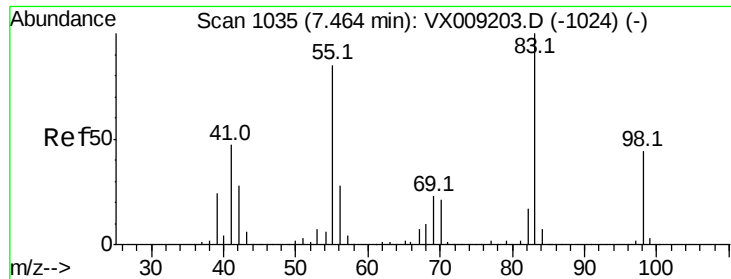
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#38
Carbon Tetrachloride
Concen: 50.874 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.5	116.3
121	30.0	24.7	37.1





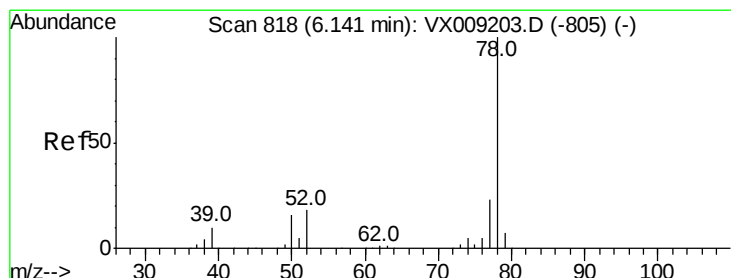
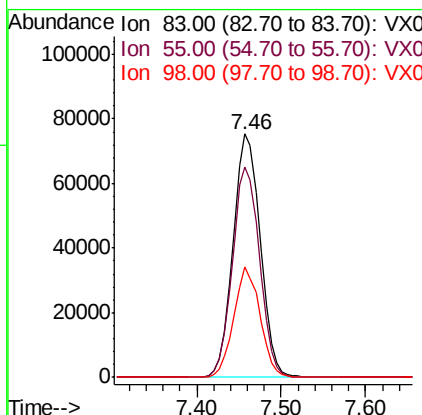
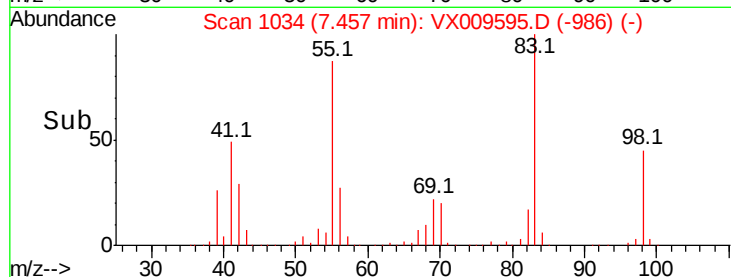
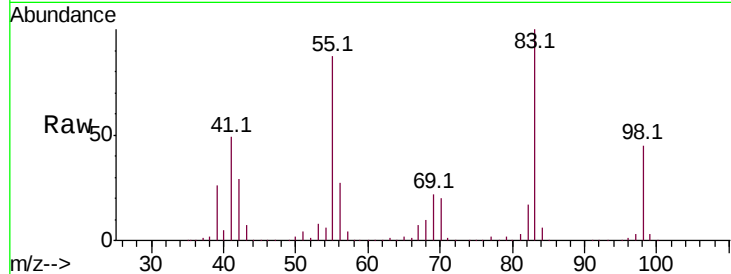
#39
Methvlcvclohexane
Concen: 52.159 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	67.7	101.5
98	45.2	35.5	53.3

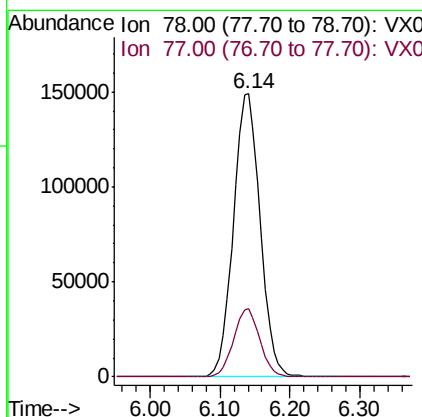
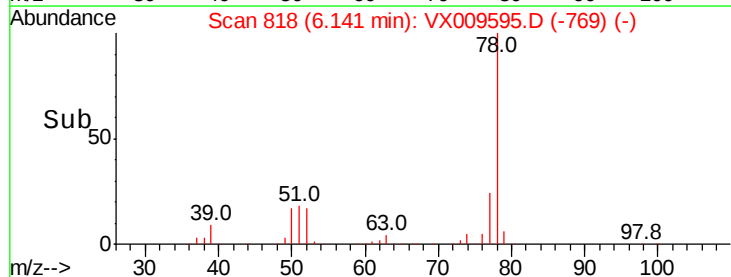
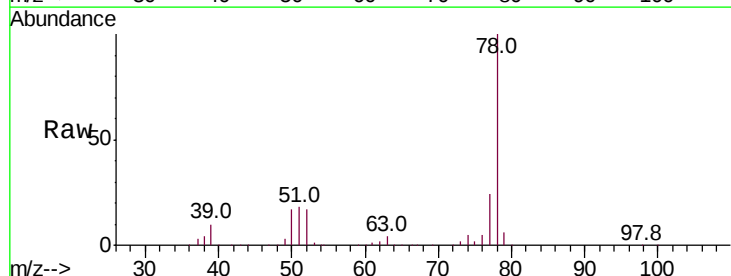
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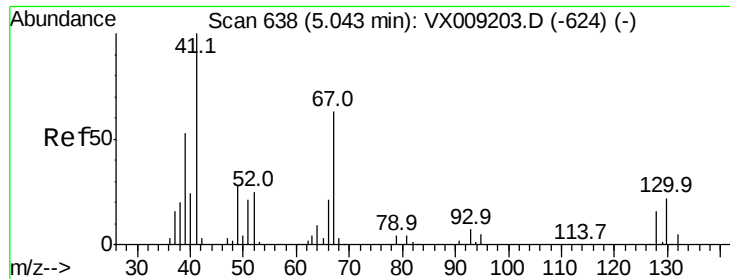
MMDadoda
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#40
Benzene
Concen: 50.039 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





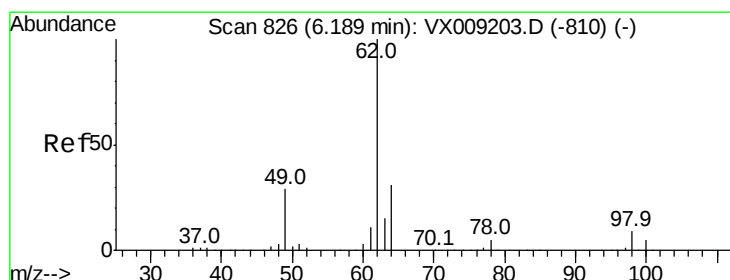
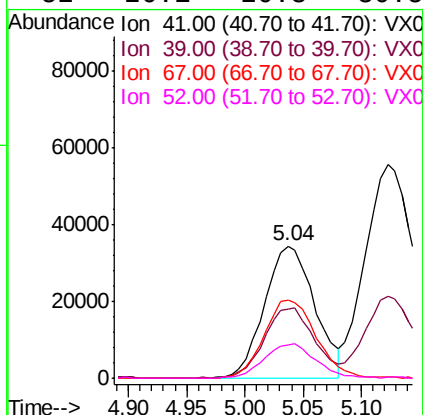
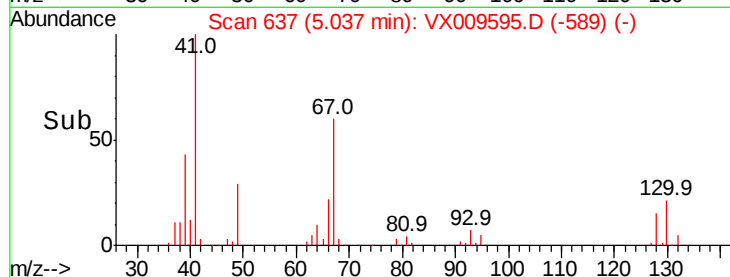
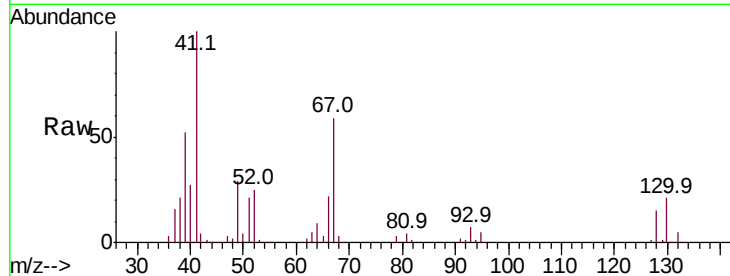
#41
Methacrylonitrile
Concen: 48.734 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.0	63.0	
67	61.5	49.8	74.8	
52	26.1	20.3	30.5	

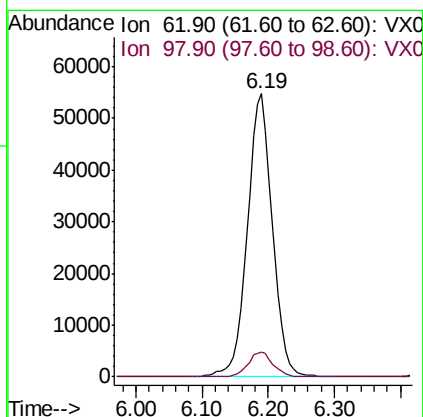
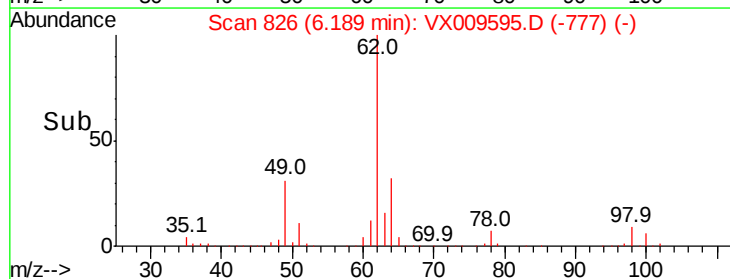
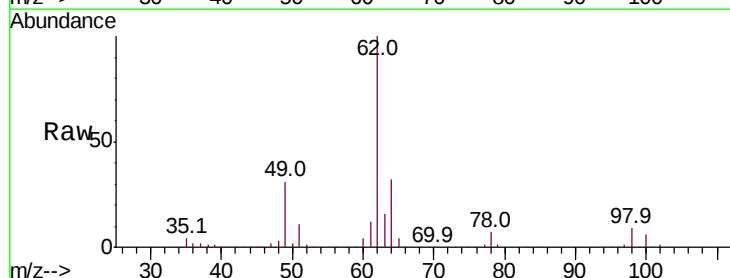
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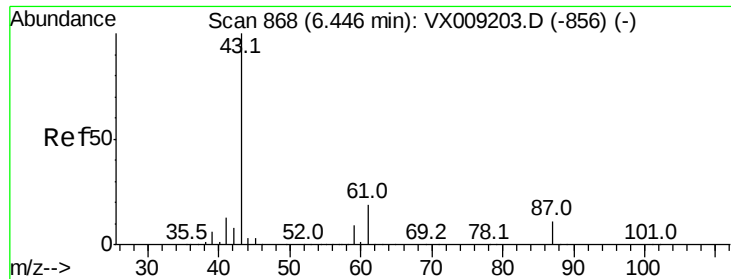
MMDadoda
5/17/2019 1:08:57 PM



#42
1,2-Dichloroethane
Concen: 50.804 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.2	





#43

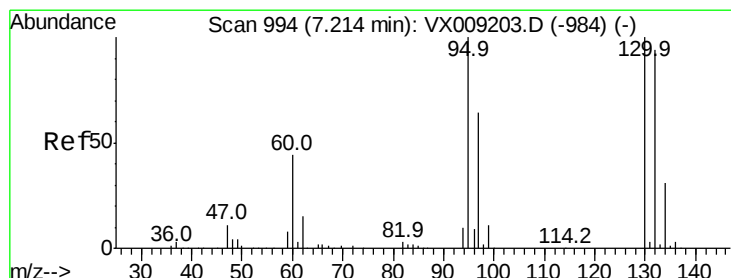
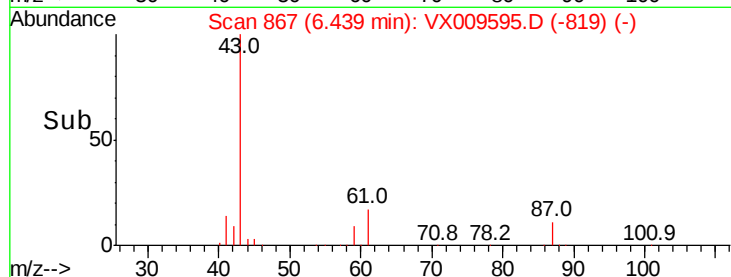
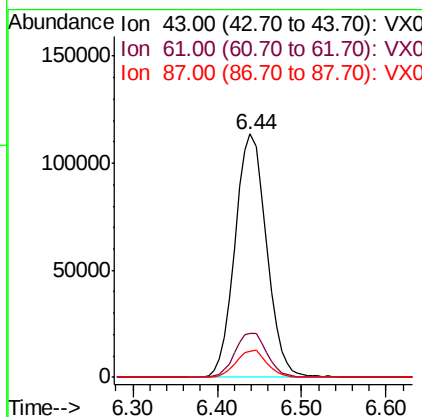
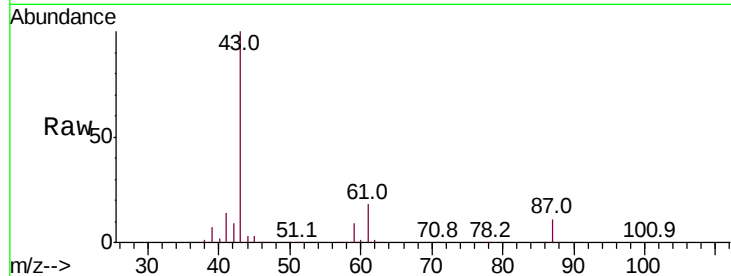
Isopropyl Acetate
 Concen: 50.153 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009595.D
 Acq: 16 May 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.0	9.0	13.6

Manual Integrations
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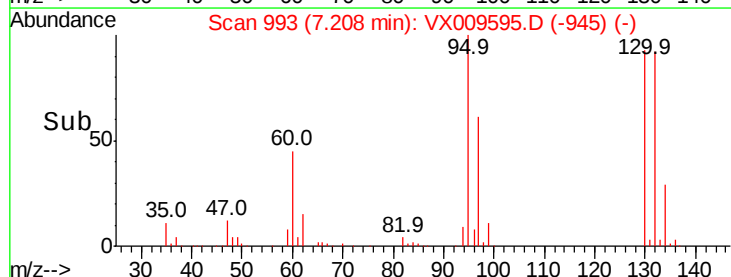
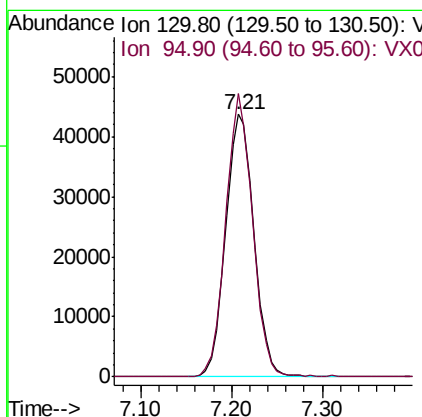
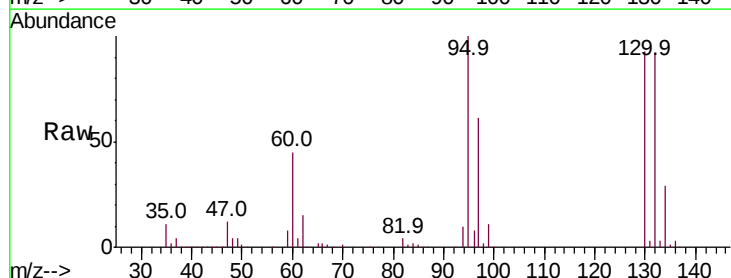
MMDadoda
 5/17/2019 1:08:57 PM

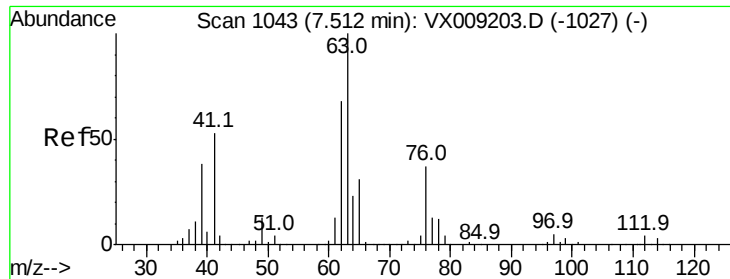


#44

Trichloroethene
 Concen: 49.415 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009595.D
 Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	199.2





#45

1,2-Dichloropropane

Concen: 50.296 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 112820

Ion Ratio Lower Upper

63 100

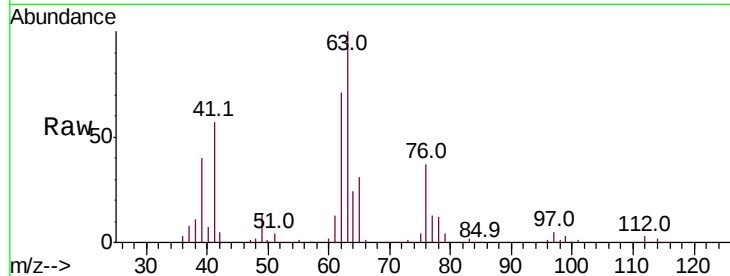
65 30.5 25.0 37.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

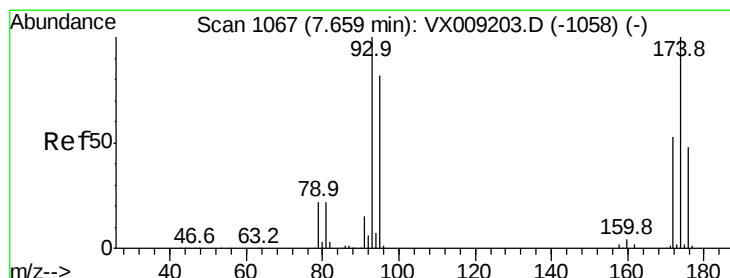
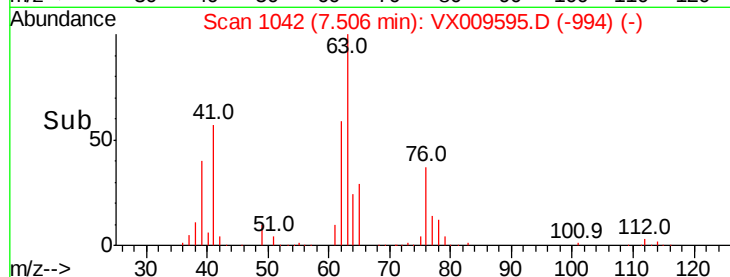
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 49.543 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

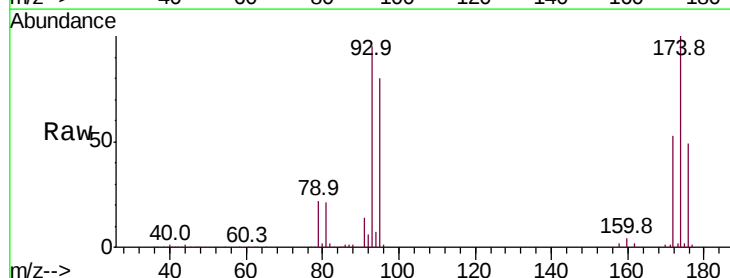
Tgt Ion: 93 Resp: 64534

Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

174 104.0 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

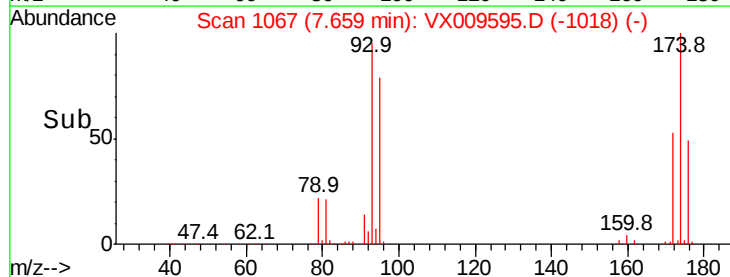
20000

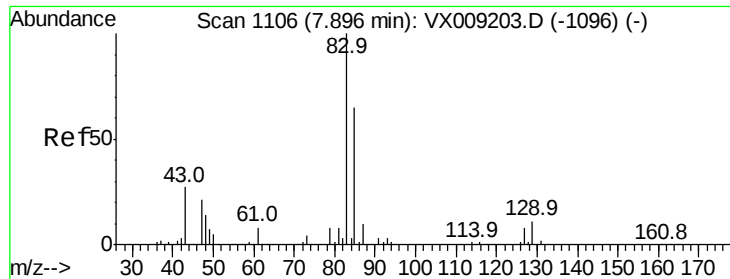
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 51.163 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

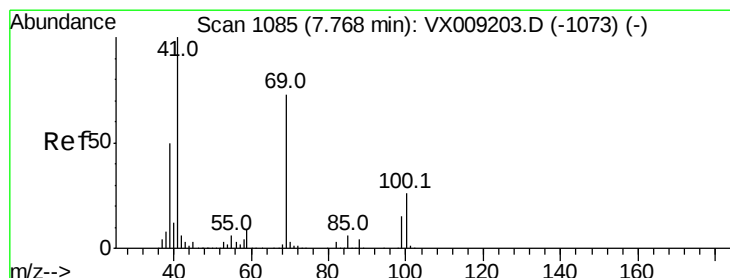
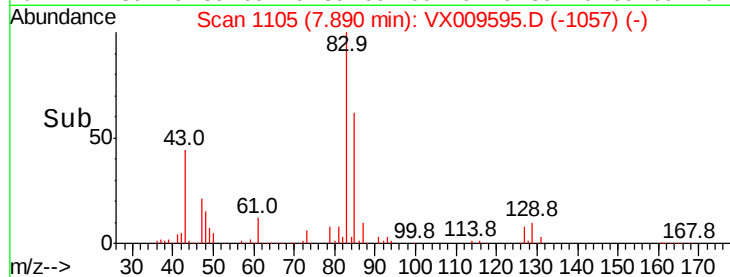
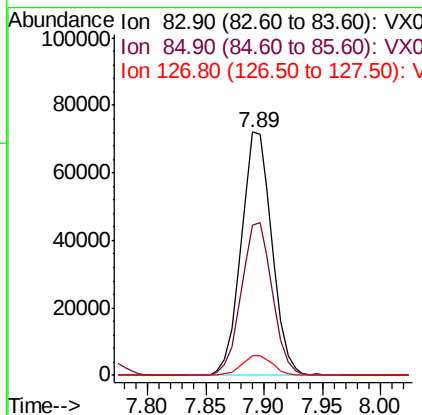
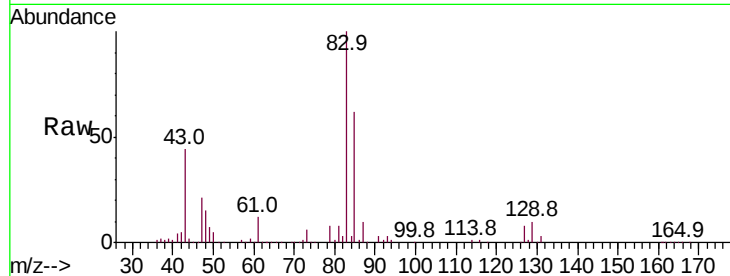
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132940
Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.4	78.6
127	8.3	6.6	10.0

Manual Integrations
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5/17/2019 1:08:57 PM



#48

Methyl methacrylate

Concen: 51.722 ug/l

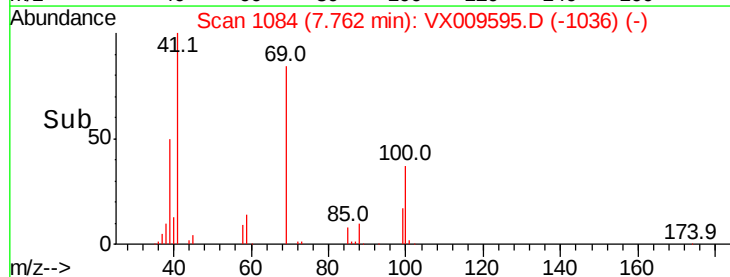
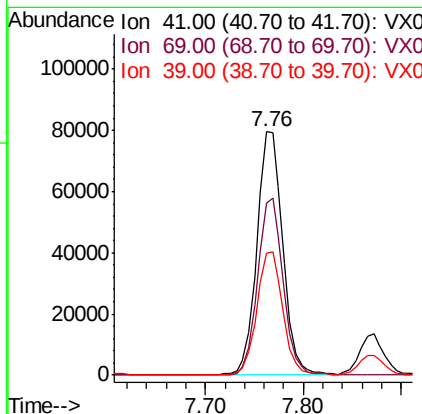
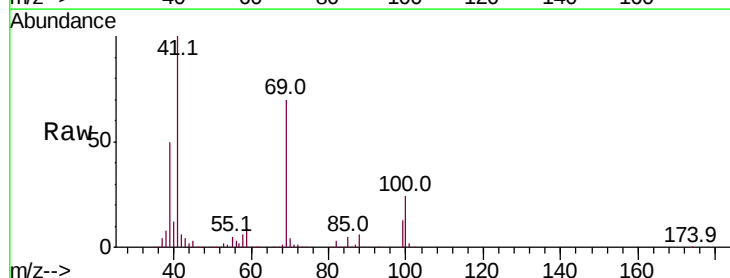
RT: 7.76 min Scan# 1084

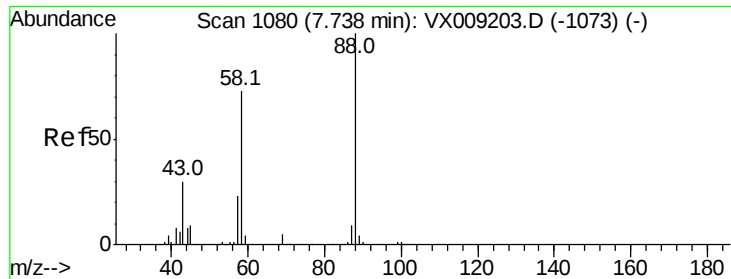
Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion:	41	Resp:	146385
Ion	Ratio	Lower	Upper
41	100		
69	72.0	59.1	88.7
39	51.0	40.4	60.6





#49

1,4-Dioxane

Concen: 877.548 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

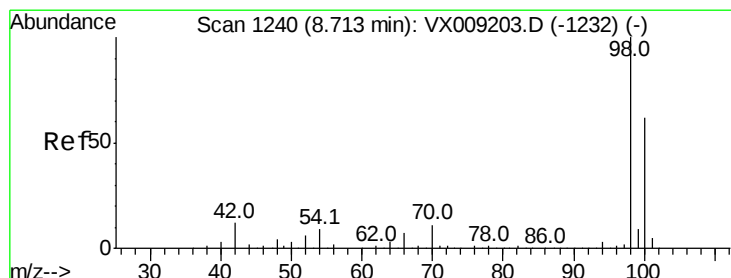
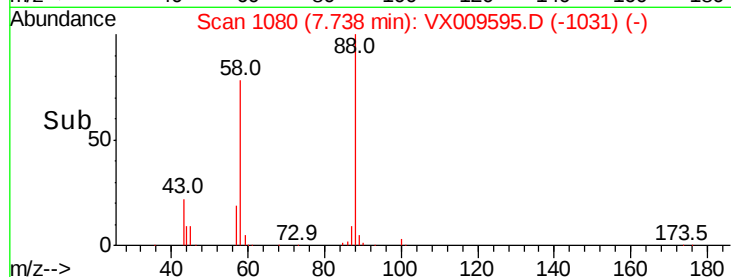
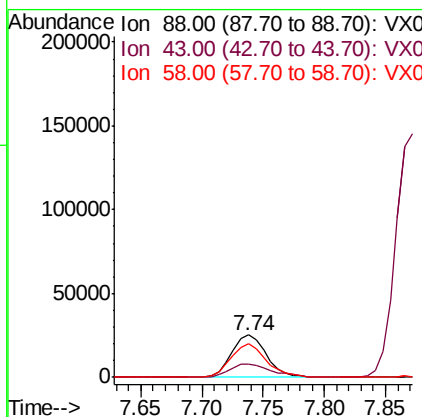
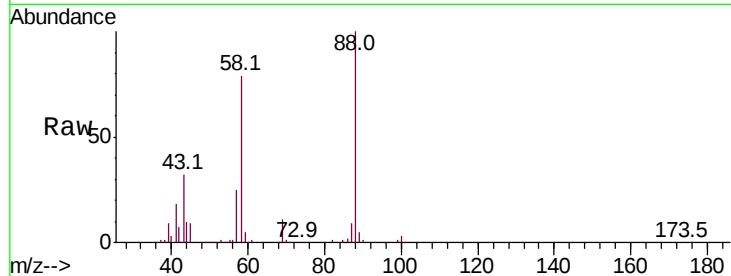
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	50368
Ion	Ratio	Lower	Upper
88	100		
43	37.4	28.6	42.8
58	79.5	61.7	92.5

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#50

Toluene-d8

Concen: 48.300 ug/l

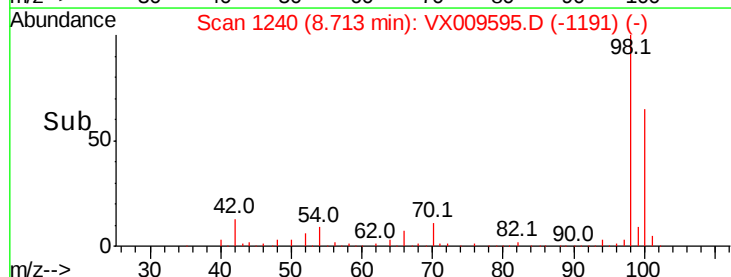
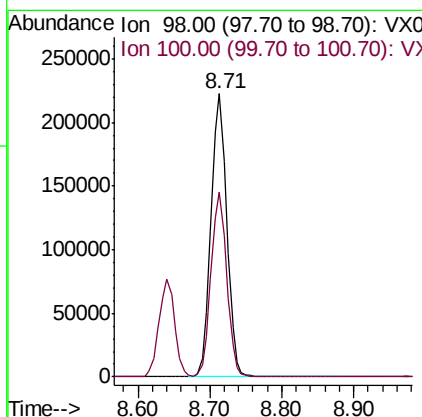
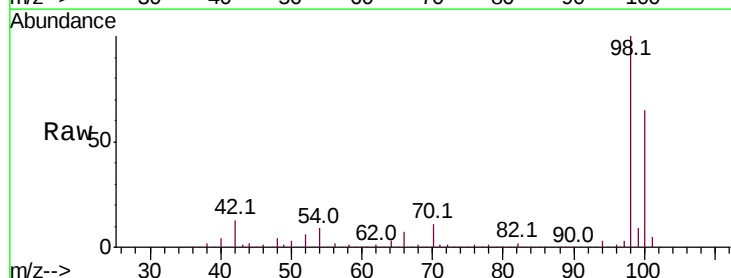
RT: 8.71 min Scan# 1240

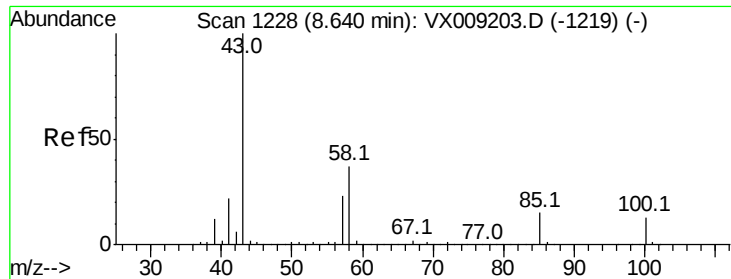
Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion:	98	Resp:	337643
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 258.372 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 963384

Ion Ratio Lower Upper

43 100

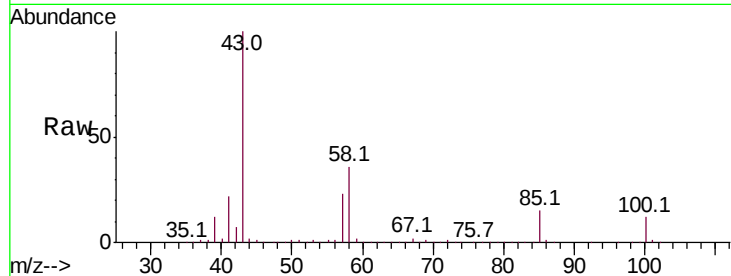
58 36.2 29.5 44.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

600000

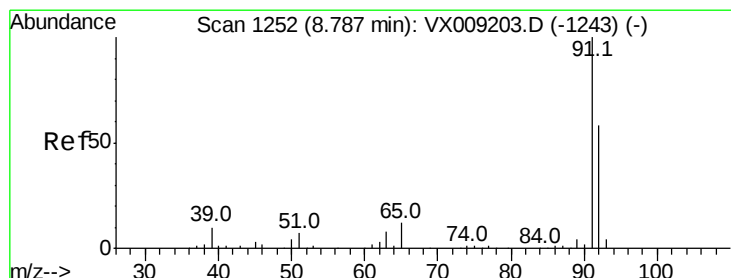
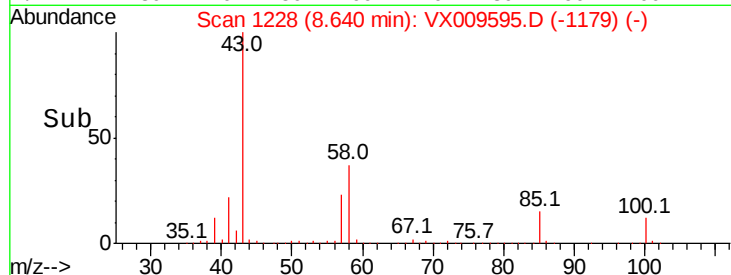
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 51.096 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009595.D

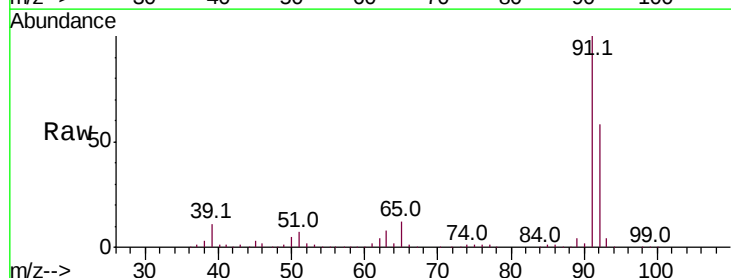
Acq: 16 May 2019 09:58

Tgt Ion: 92 Resp: 246048

Ion Ratio Lower Upper

92 100

91 172.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

150000

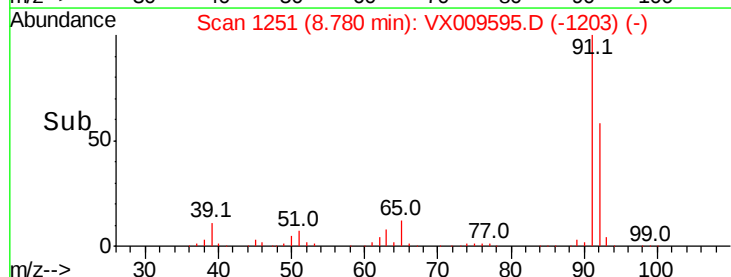
100000

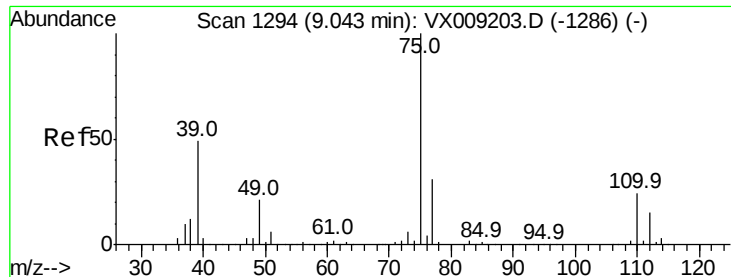
50000

0

8.70 8.75 8.80 8.85

Time-->





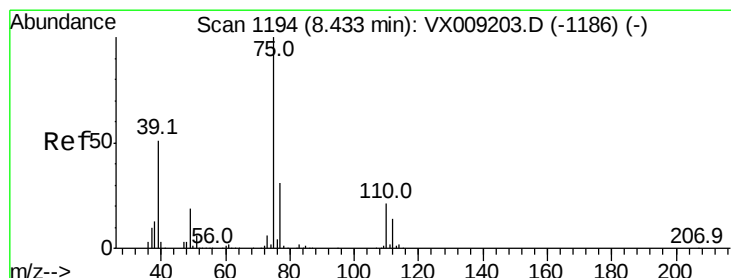
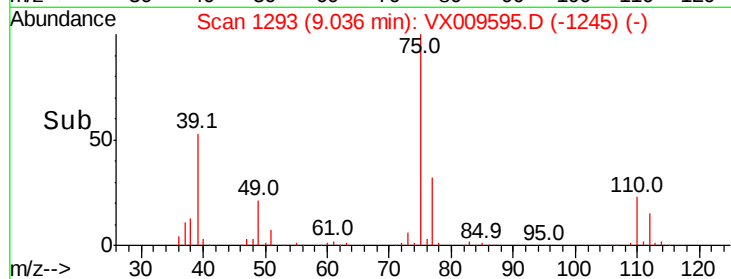
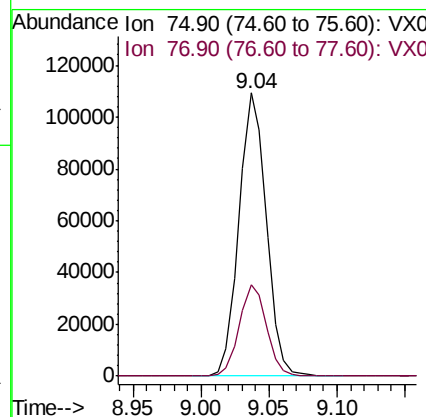
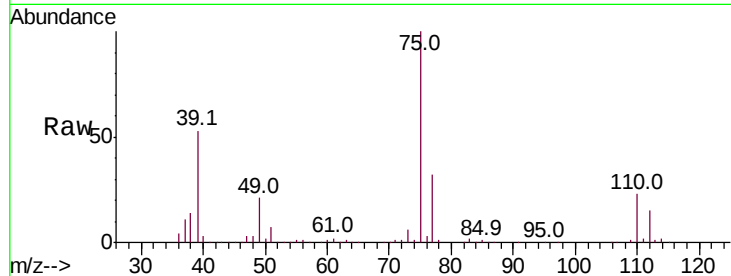
#53
t-1,3-Dichloropropene
Concen: 52.222 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	153195		
77	32.2	25.0	37.6	

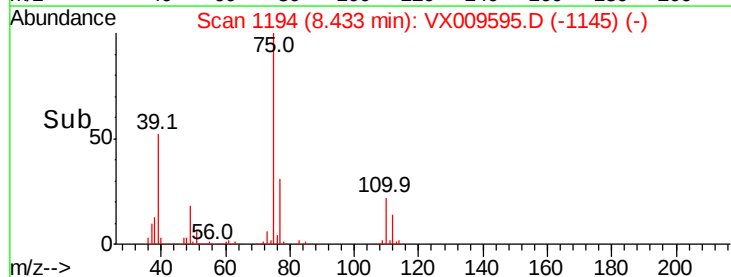
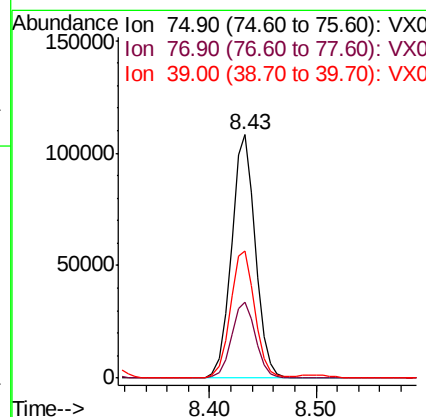
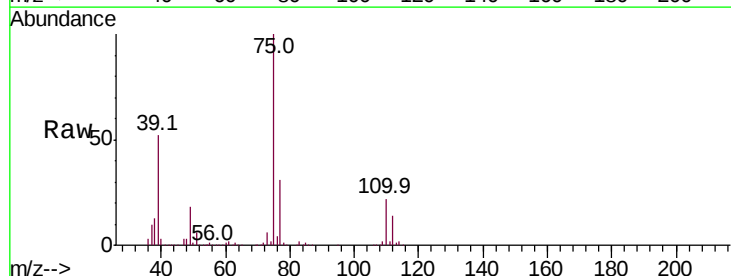
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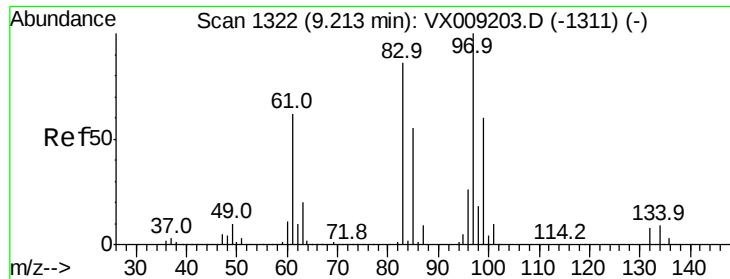
MMDadoda
5/17/2019 1:08:57 PM



#54
cis-1,3-Dichloropropene
Concen: 52.296 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169806		
77	31.2	24.6	36.8	
39	52.3	40.6	60.8	





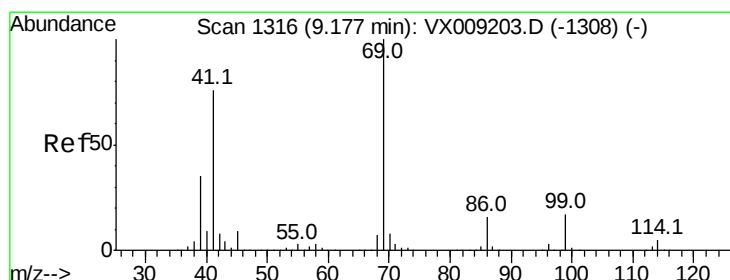
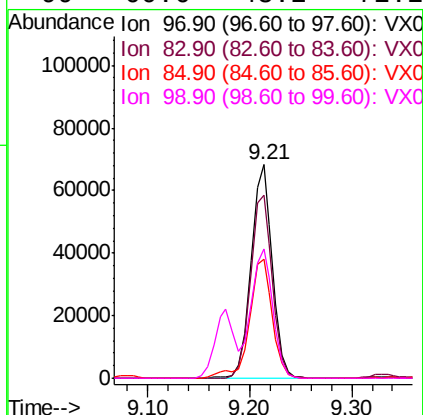
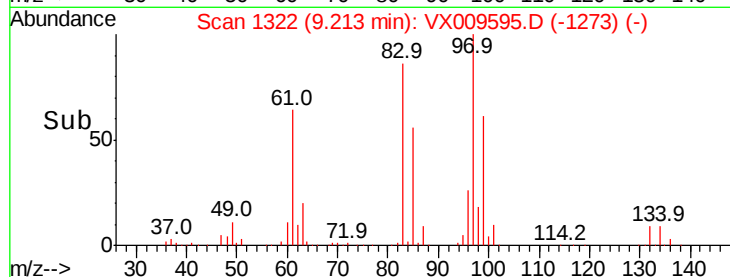
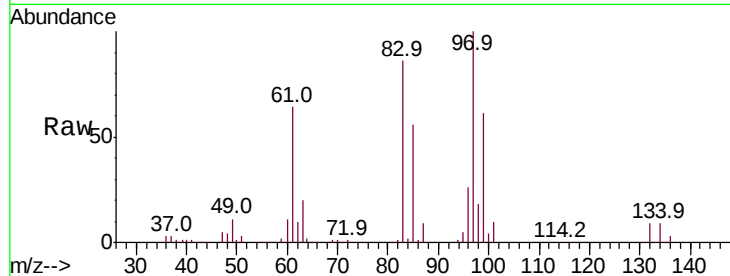
#55
1,1,2-Trichloroethane
Concen: 50.541 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		99290		
83	85.8	68.9	103.3		
85	55.5	43.8	65.6		
99	60.6	48.2	72.2		

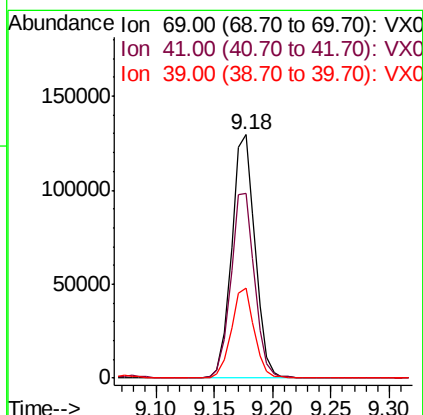
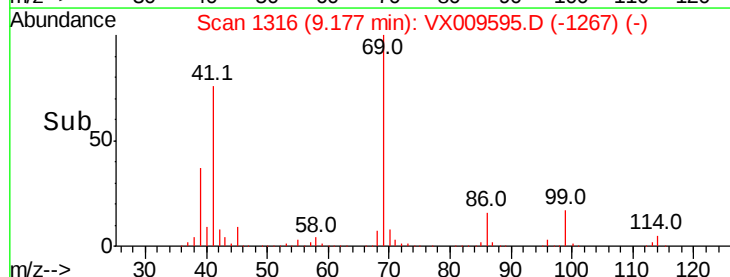
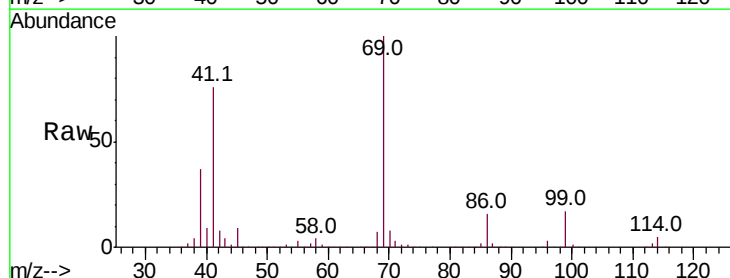
Manual Integrations
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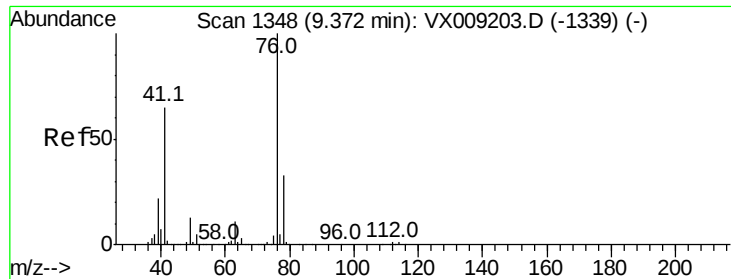
MMDadoda
5/17/2019 1:08:57 PM



#56
Ethyl methacrylate
Concen: 51.558 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		180806		
41	76.8	60.6	90.8		
39	36.3	28.2	42.4		





#57

1,3-Dichloropropane

Concen: 50.641 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 175074

Ion Ratio Lower Upper

76 100

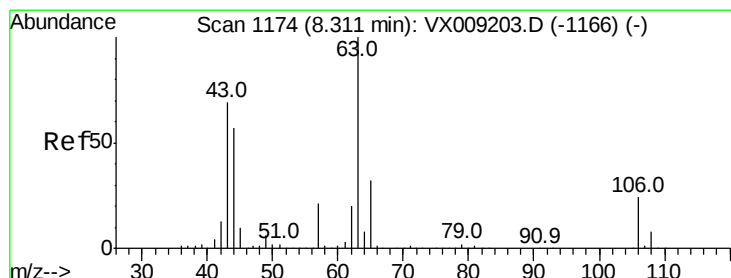
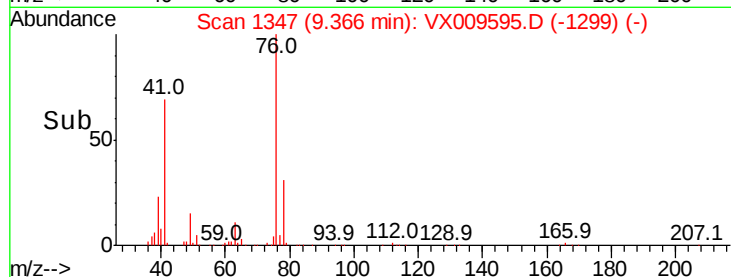
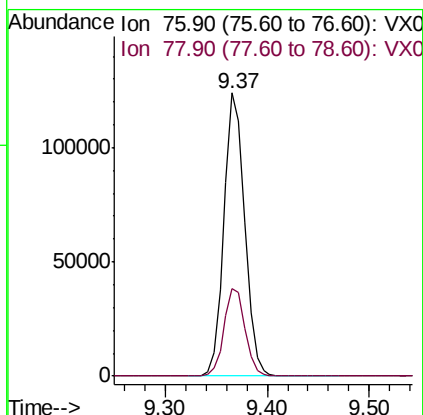
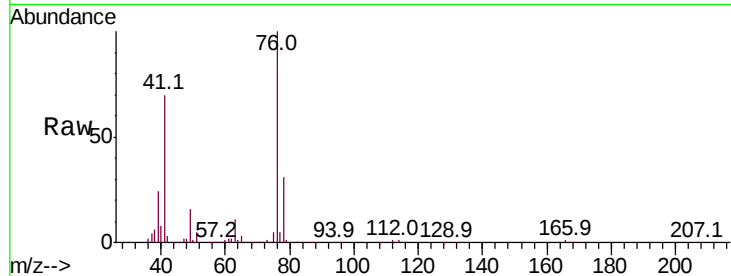
78 31.7 25.5 38.3

Manual Integrations

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5/17/2019 1:08:57 PM



#58

2-Chloroethyl Vinyl ether

Concen: 226.560 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009595.D

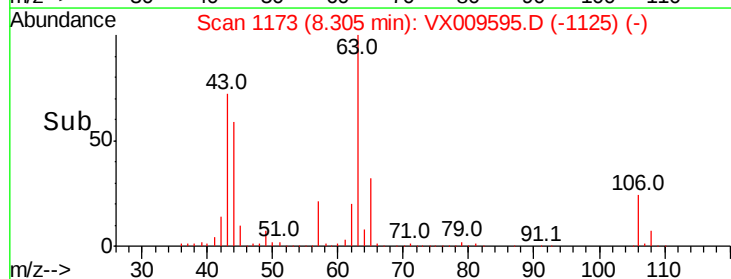
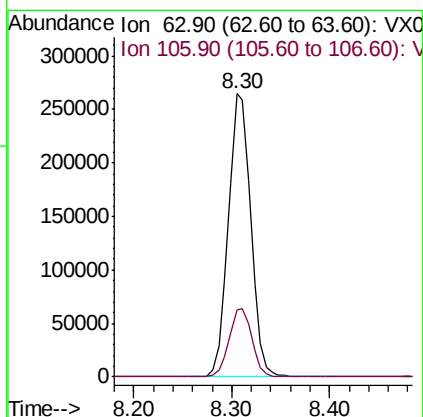
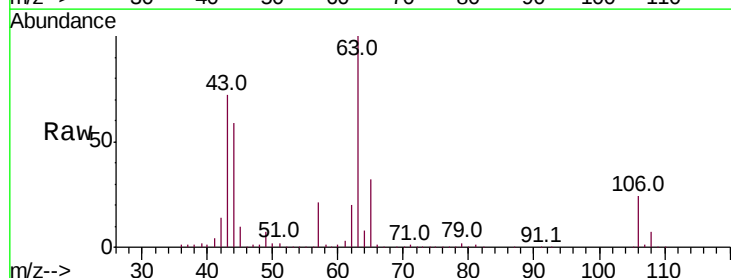
Acq: 16 May 2019 09:58

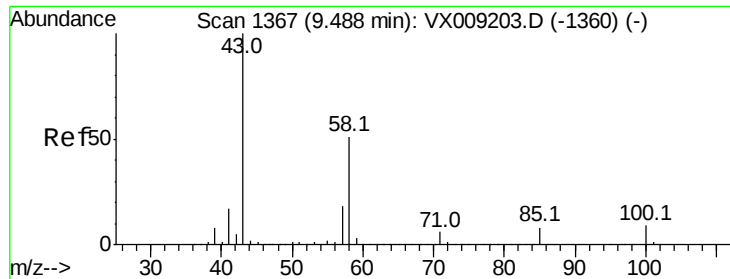
Tgt Ion: 63 Resp: 421486

Ion Ratio Lower Upper

63 100

106 24.6 19.7 29.5





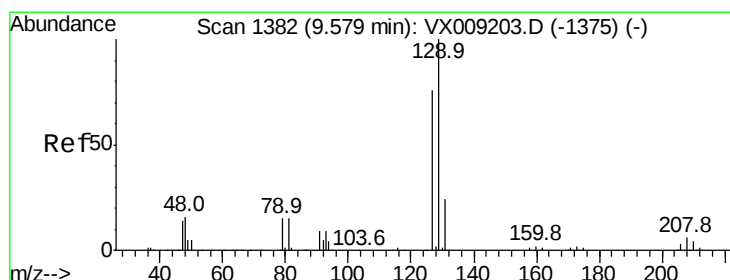
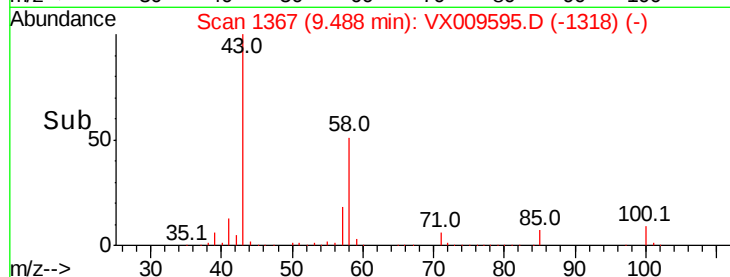
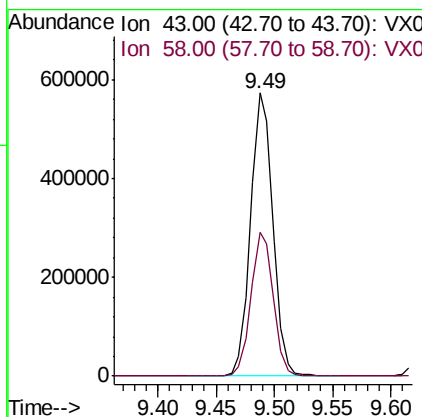
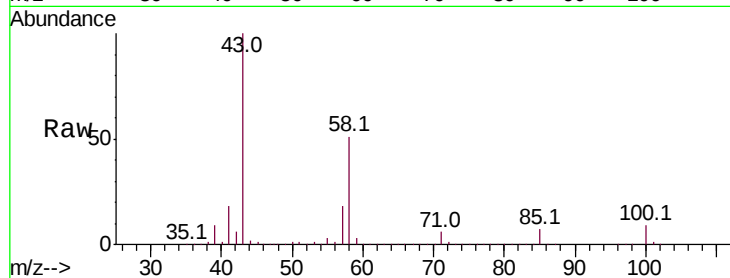
#59
2-Hexanone
Concen: 261.708 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 766399
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.7

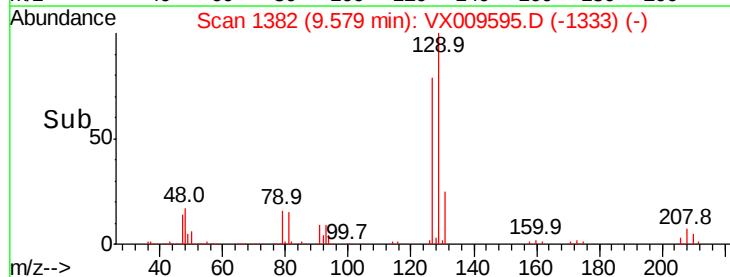
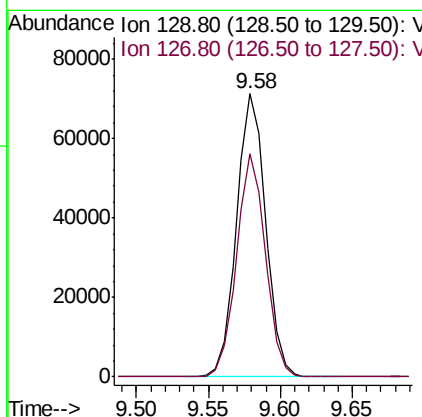
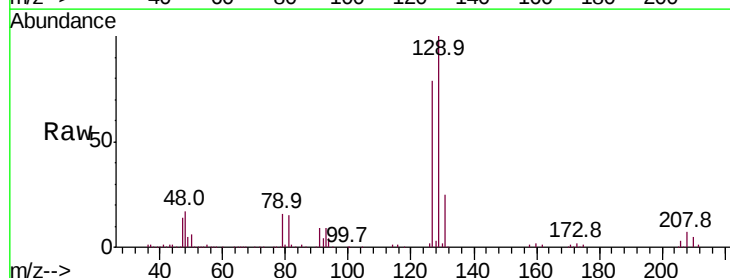
Manual Integrations
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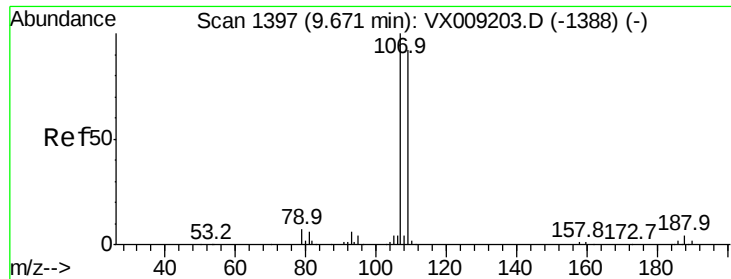
MMDadoda
5/17/2019 1:08:57 PM



#60
Dibromochloromethane
Concen: 52.238 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion:129 Resp: 100232
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 50.857 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 100854

Ion Ratio Lower Upper

107 100

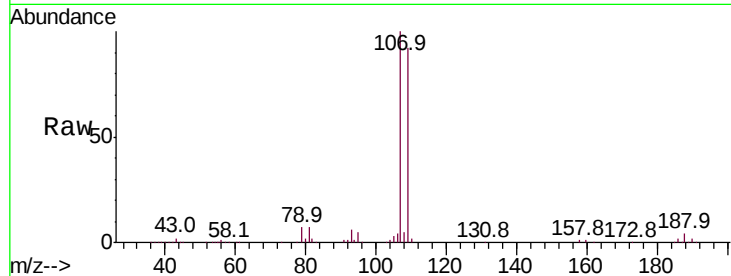
109 93.3 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

40000

20000

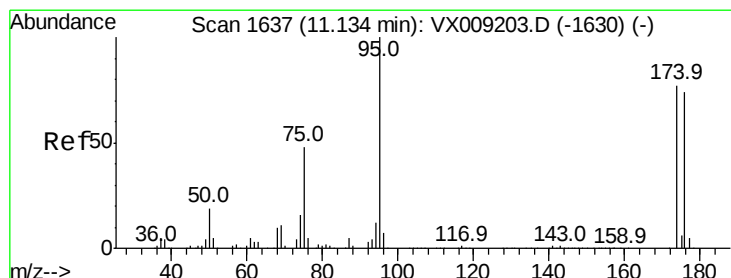
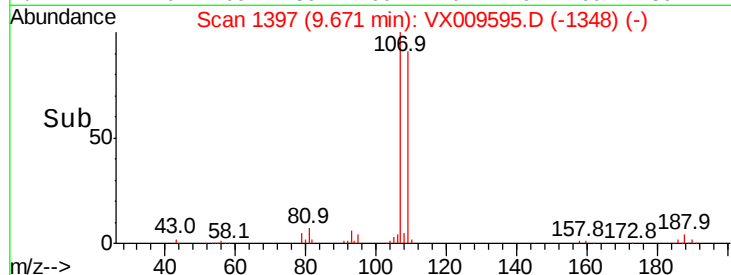
0

Time-->

9.60

9.70

9.80



#62

4-Bromofluorobenzene

Concen: 50.005 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

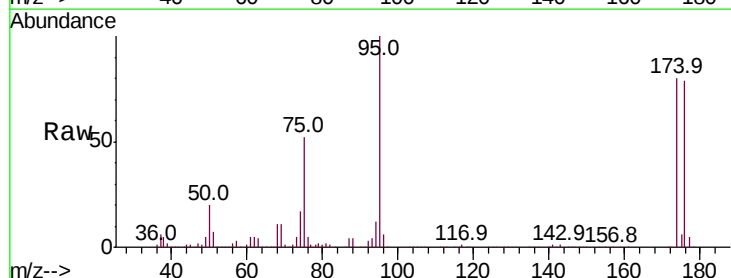
Tgt Ion: 95 Resp: 127017

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 80.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

100000

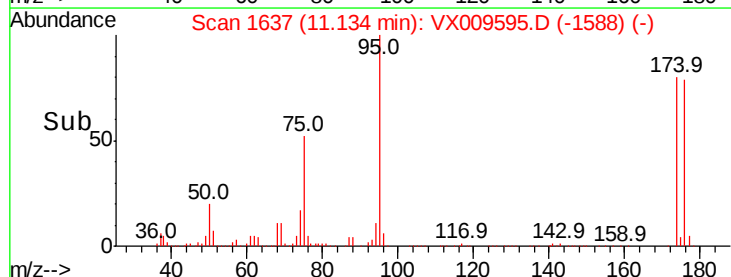
50000

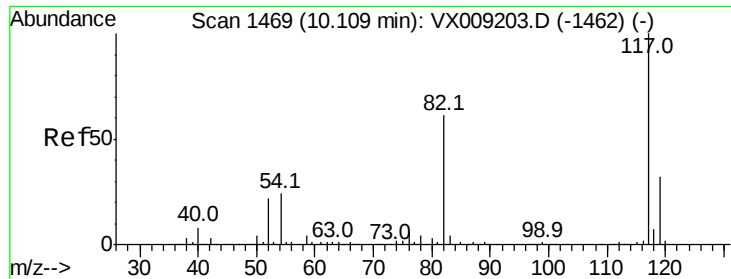
0

Time-->

11.10

11.20





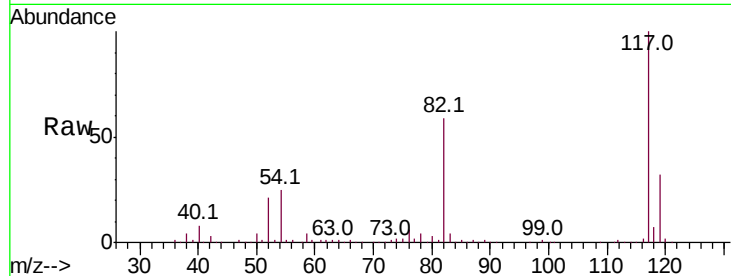
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250568		
82	59.0	48.8	73.2	
119	32.2	25.8	38.6	

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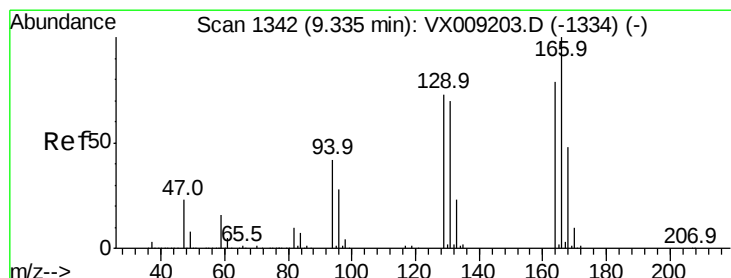
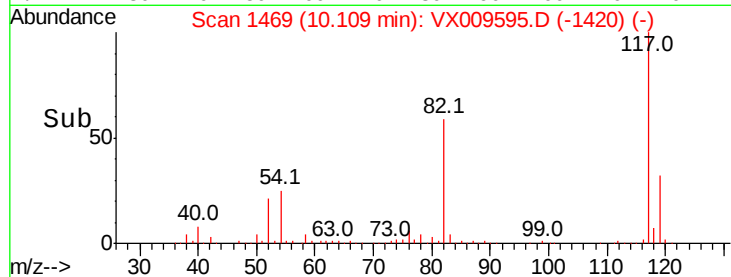
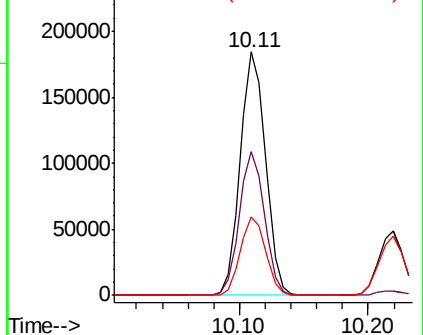


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.489 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88499		
166	127.7	101.2	151.8	
129	88.6	74.3	111.5	
131	84.5	71.0	106.6	

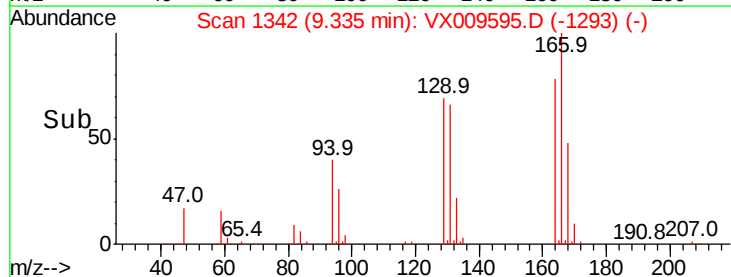
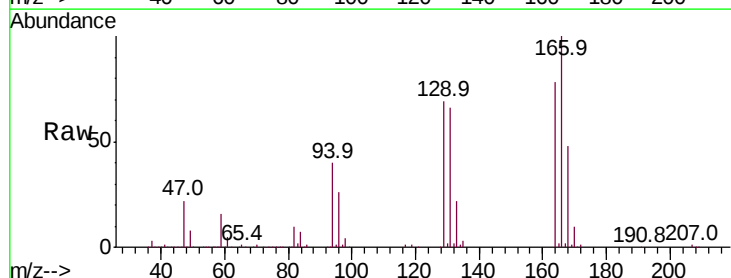
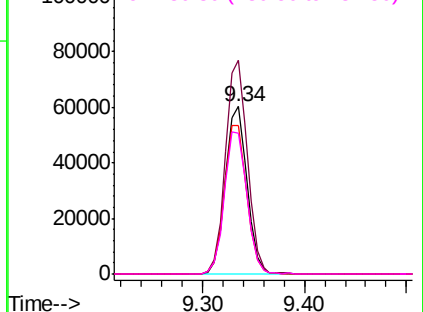
Abundance

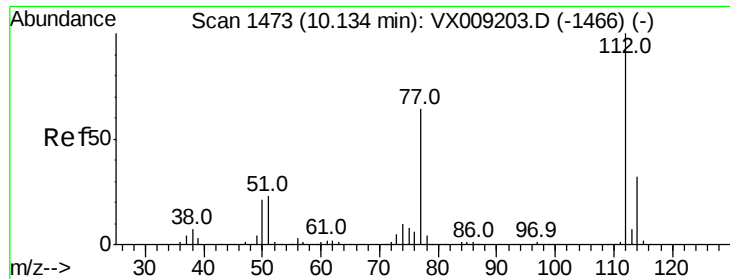
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





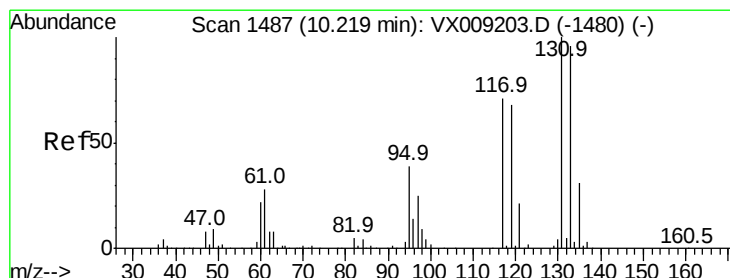
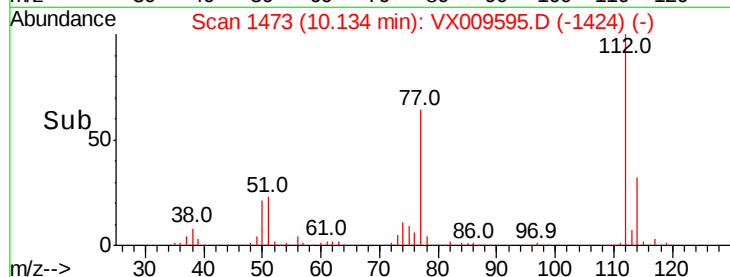
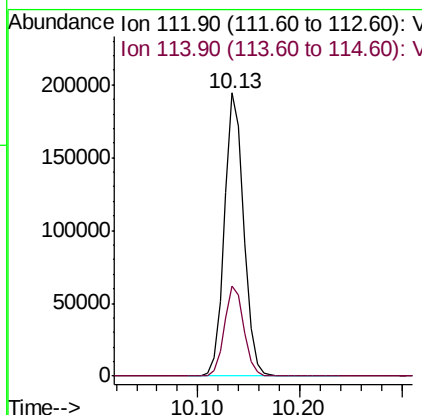
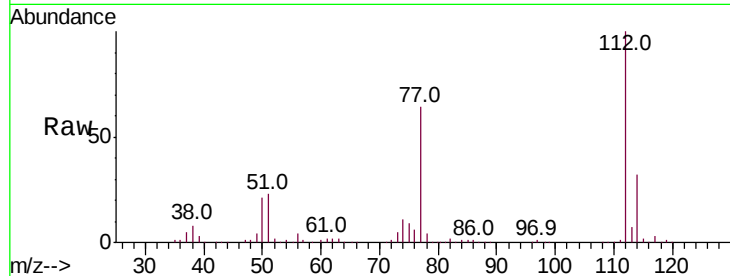
#65
Chlorobenzene
Concen: 50.738 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 254323
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

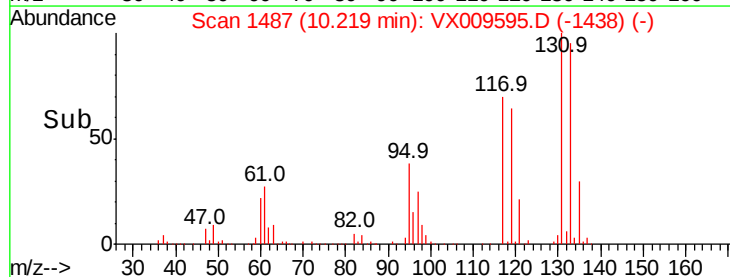
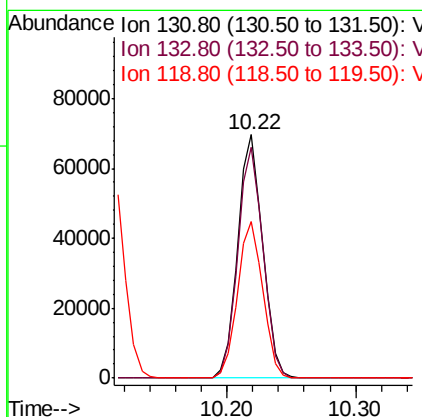
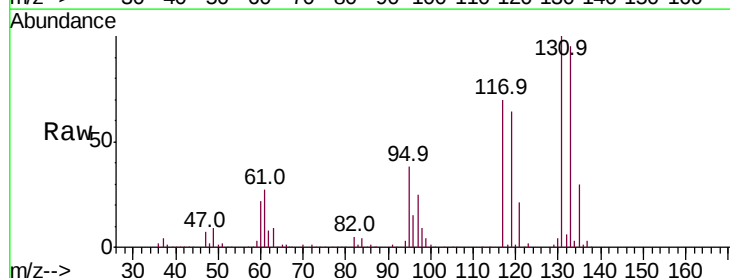
Manual Integrations
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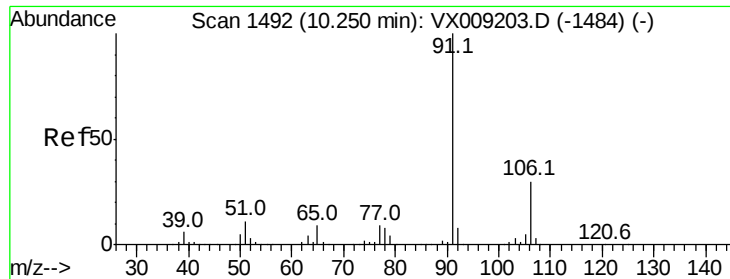
MMDadoda
5/17/2019 1:08:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.488 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion:131 Resp: 93565
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 65.1 33.5 100.4





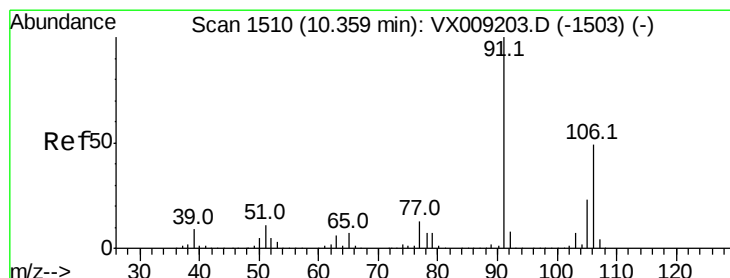
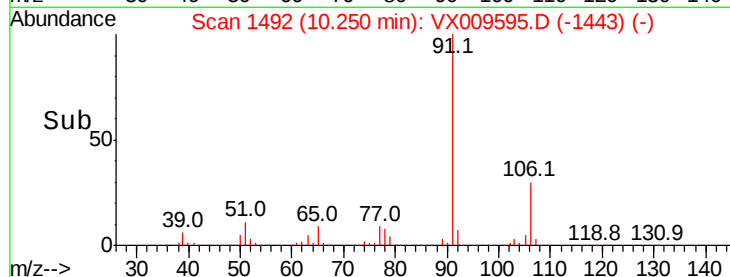
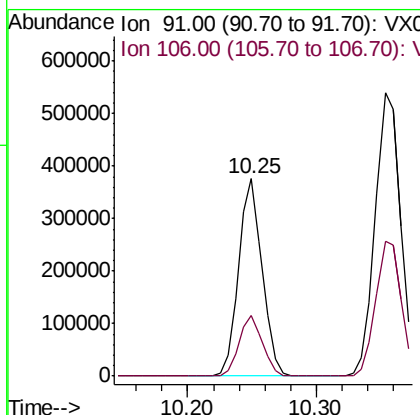
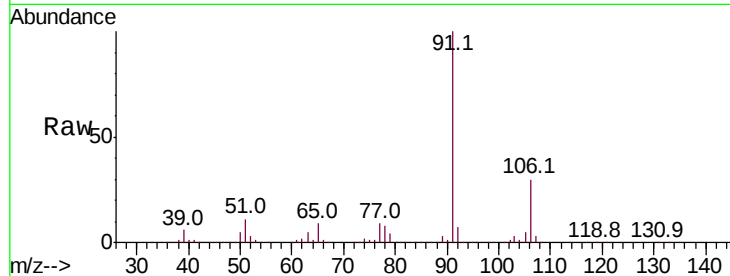
#67
Ethyl Benzene
Concen: 51.527 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 475335
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0

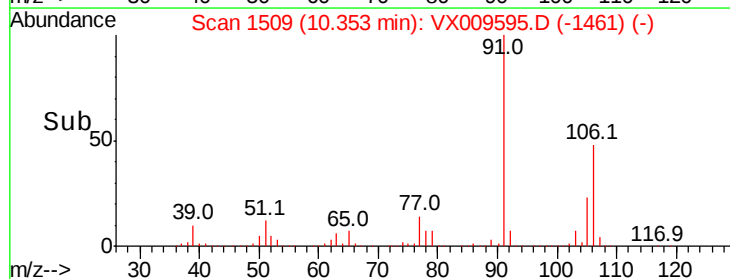
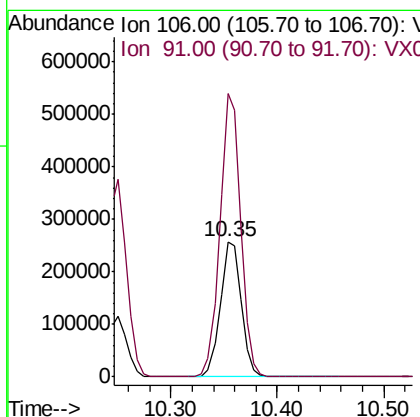
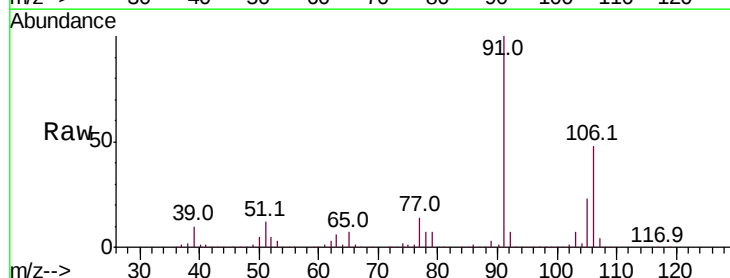
Manual Integrations
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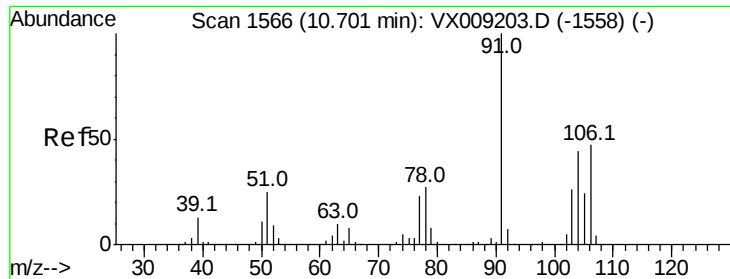
MMDadoda
5/17/2019 1:08:57 PM



#68
m/p-Xylenes
Concen: 104.424 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion: 106 Resp: 352019
Ion Ratio Lower Upper
106 100
91 207.6 164.0 246.0





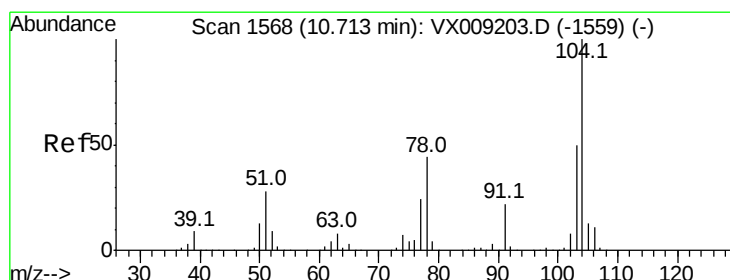
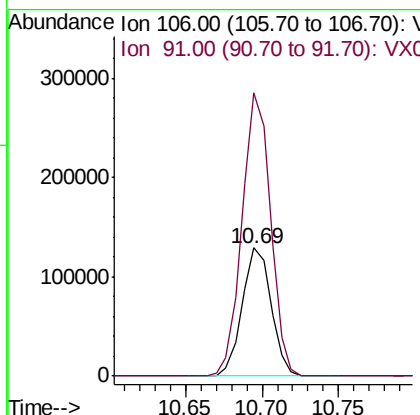
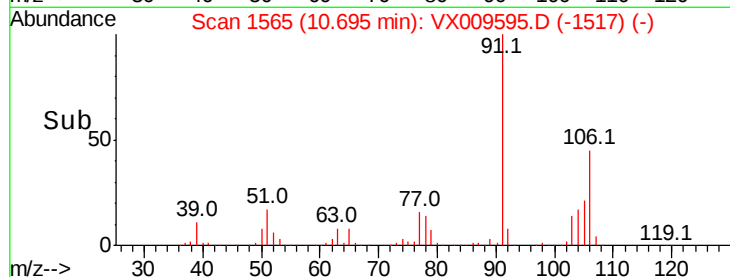
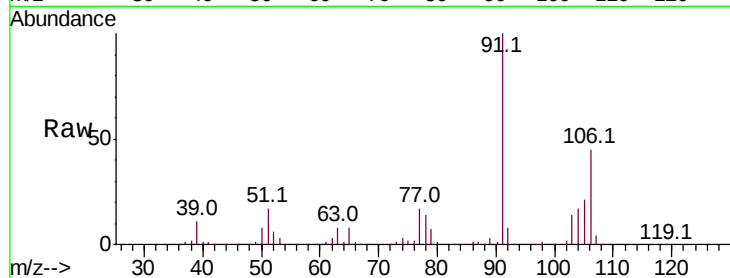
#69
o-Xylene
Concen: 50.985 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 169578
Ion Ratio Lower Upper
106 100
91 218.6 109.5 328.4

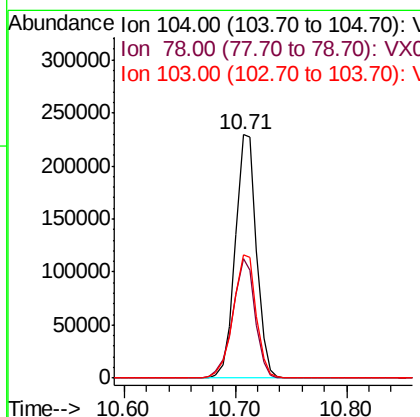
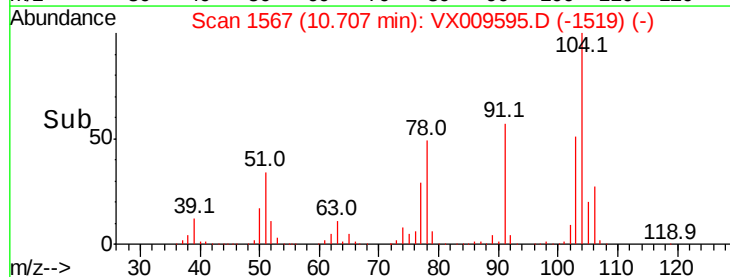
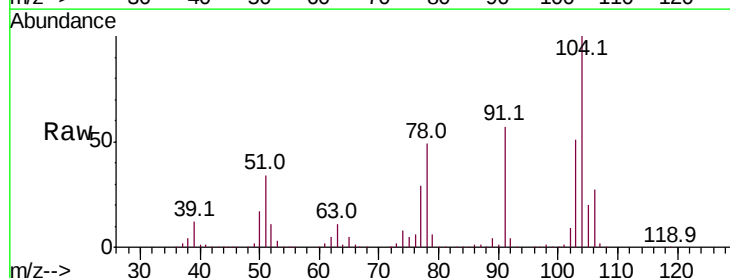
Manual Integrations
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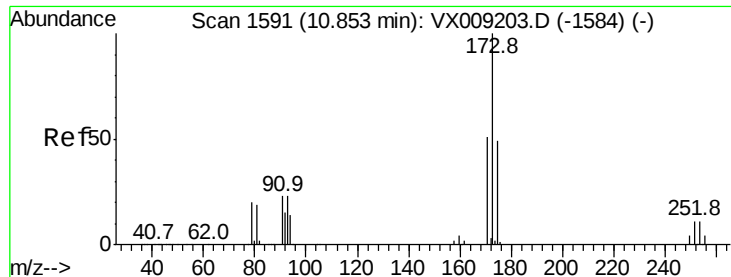
MMDadoda
5/17/2019 1:08:57 PM



#70
Styrene
Concen: 52.256 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion:104 Resp: 302088
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 54.9 43.8 65.6





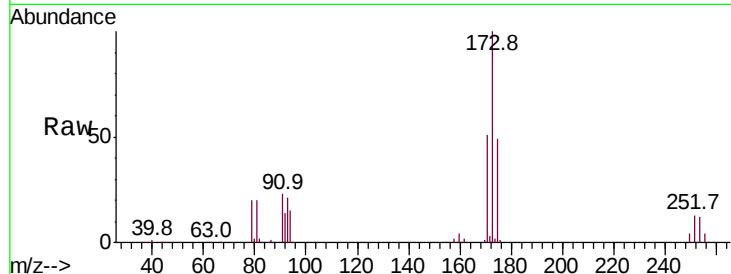
#71
Bromoform
Concen: 52.059 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.5	73.5
254	0.1	0.1	0.1#

Manual Integrations
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5/17/2019 1:08:57 PM

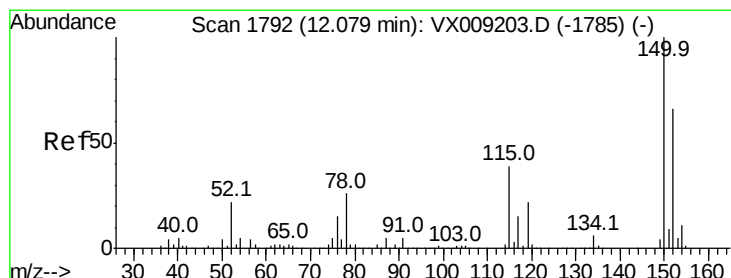
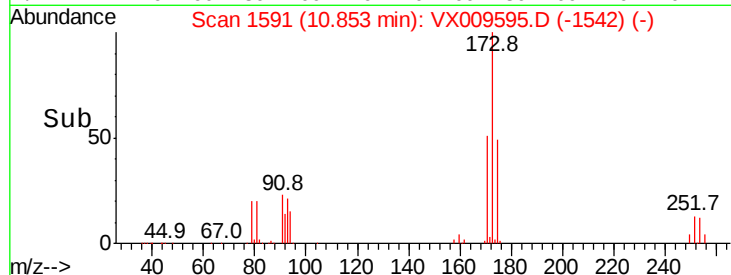
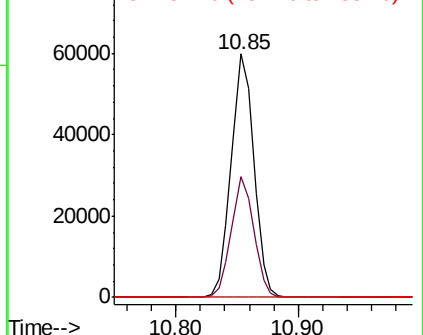


Abundance

Ion 172.70 (172.40 to 173.40): V

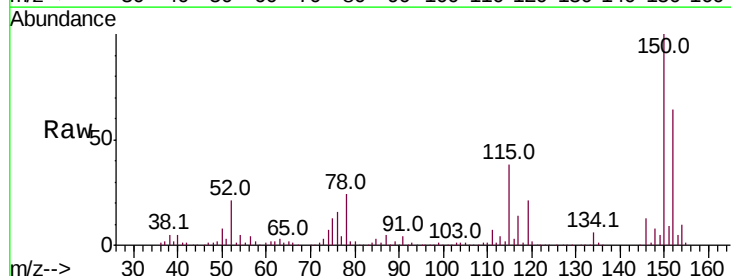
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.2	41.2	123.6
150	172.5	0.0	346.4

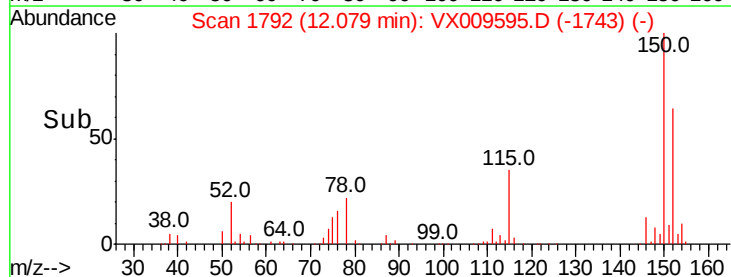
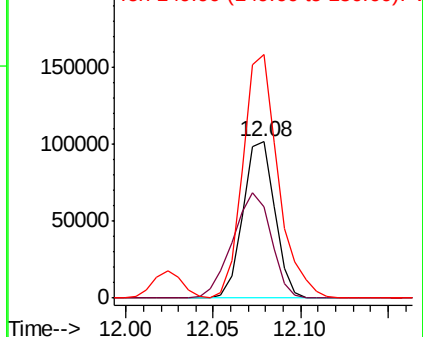


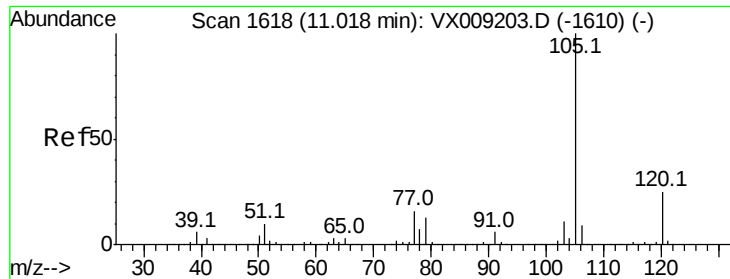
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.607 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 464568

Ion Ratio Lower Upper

105 100

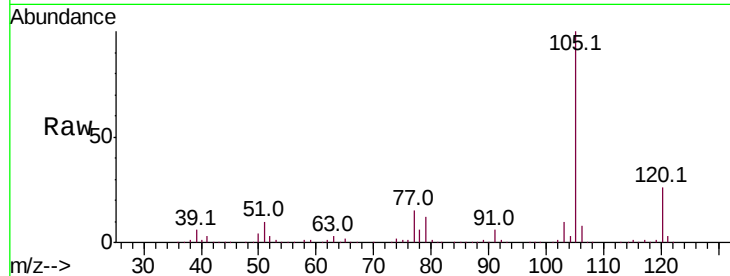
120 25.5 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

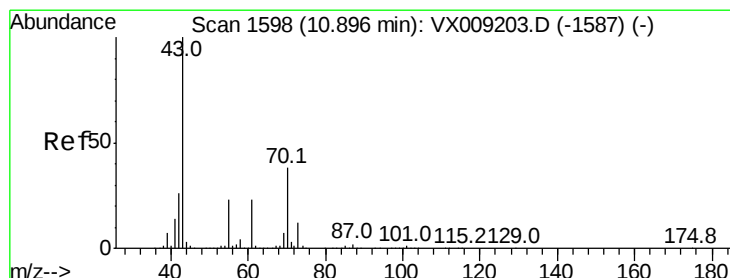
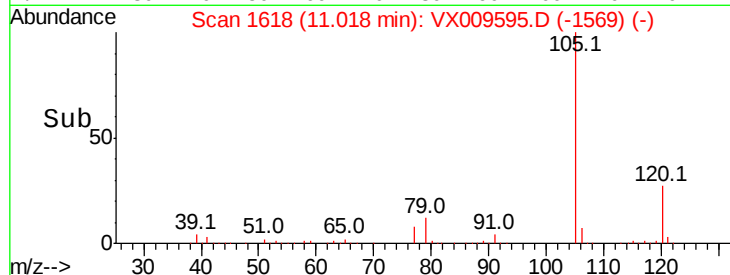
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.574 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion: 43 Resp: 265209

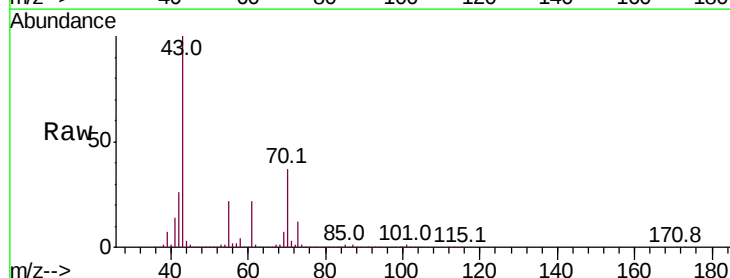
Ion Ratio Lower Upper

43 100

70 36.7 30.0 45.0

55 22.3 17.9 26.9

61 22.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

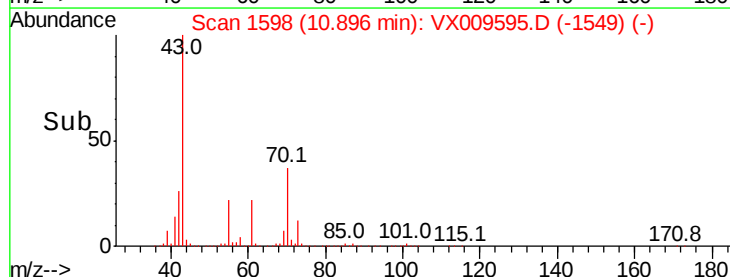
300000

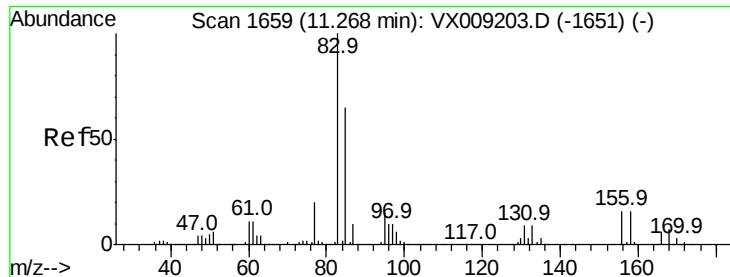
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.770 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 163280

Ion Ratio Lower Upper

83 100

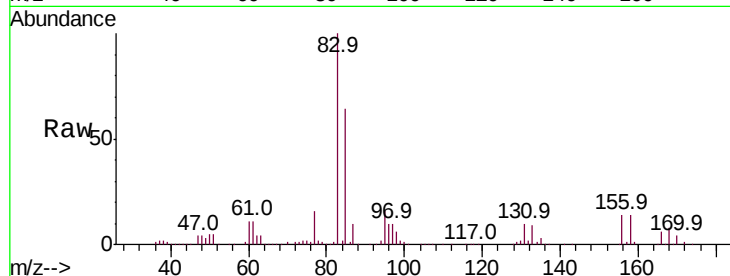
131 9.4 4.6 13.8

85 63.7 32.0 96.2

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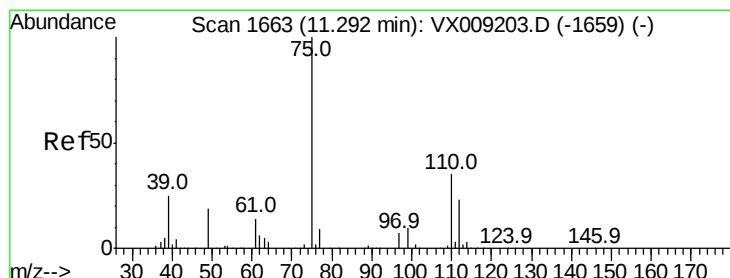
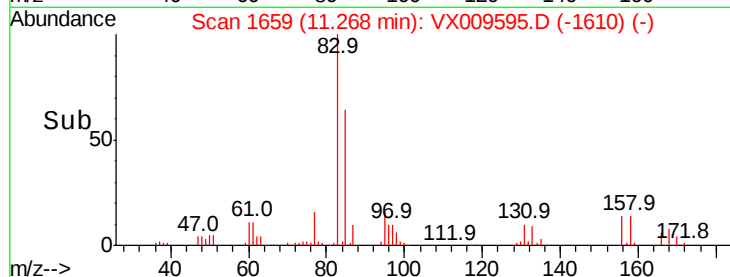
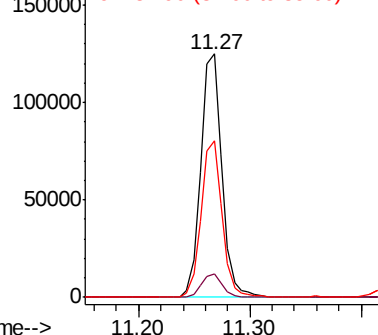
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.314 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009595.D

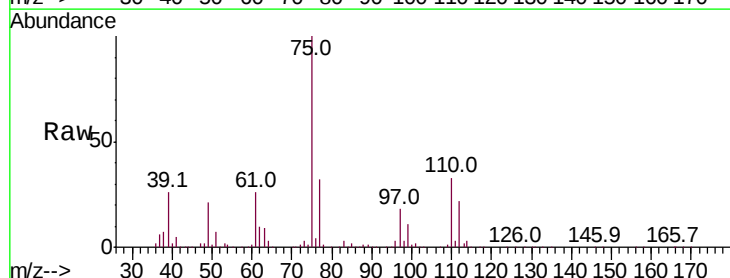
Acq: 16 May 2019 09:58

Tgt Ion: 75 Resp: 147315

Ion Ratio Lower Upper

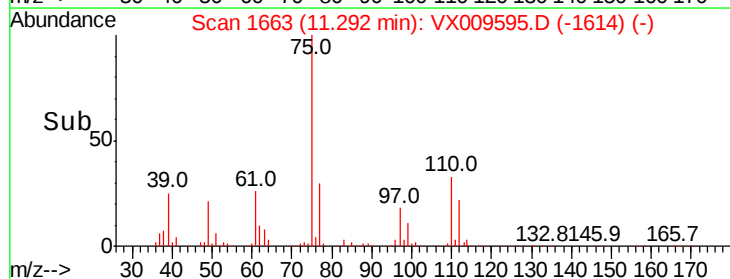
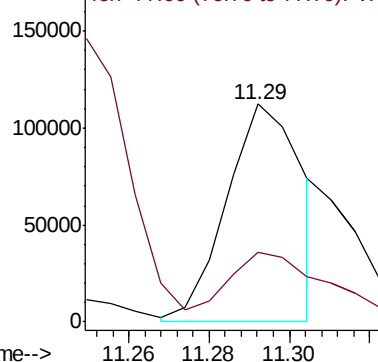
75 100

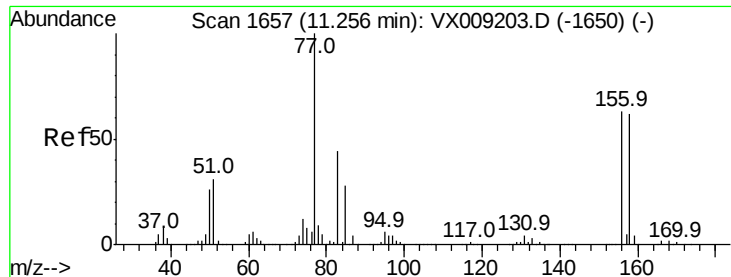
77 42.7 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.745 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

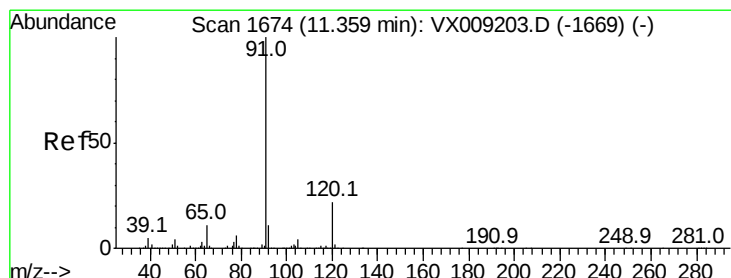
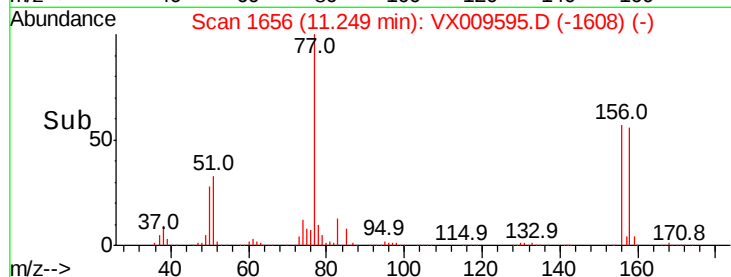
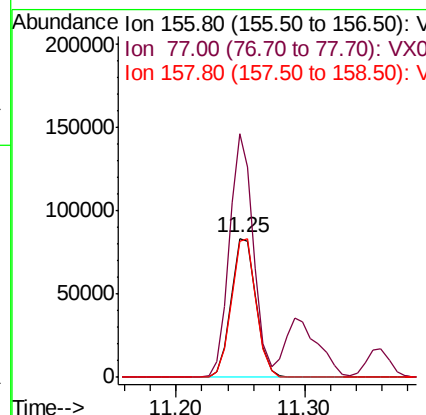
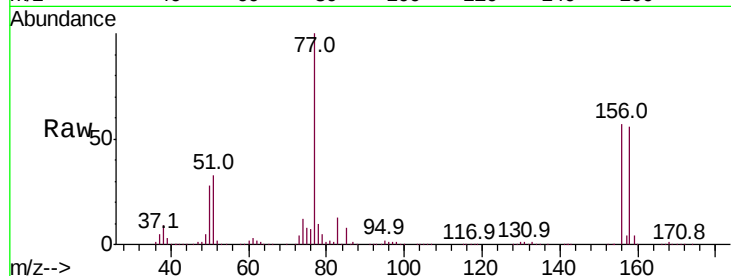
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	113304
Ion Ratio	Lower	Upper	
156	100		
77	168.7	84.8	254.3
158	98.5	49.1	147.3

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#78

n-propylbenzene

Concen: 51.075 ug/l

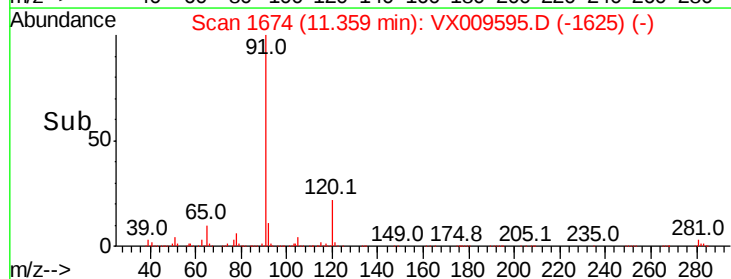
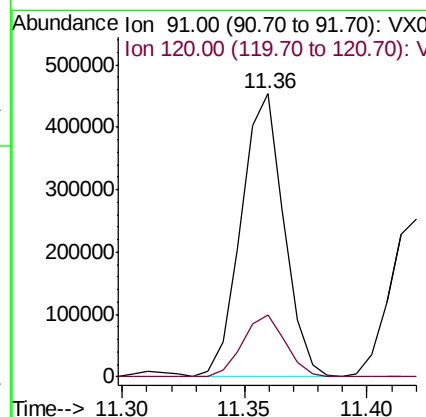
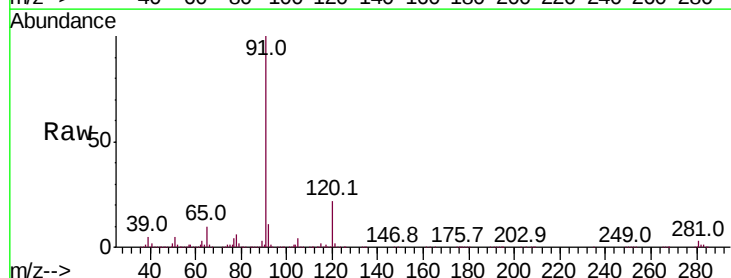
RT: 11.36 min Scan# 1674

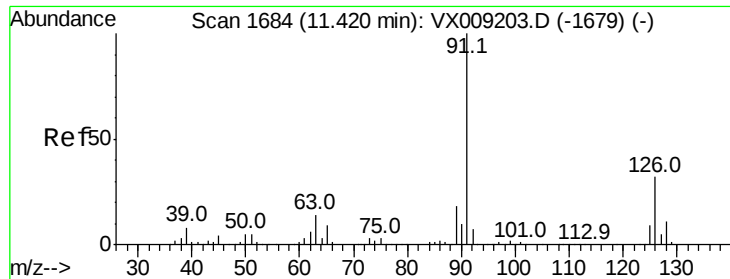
Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion:	91	Resp:	546260
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 48.292 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 318650

Ion Ratio Lower Upper

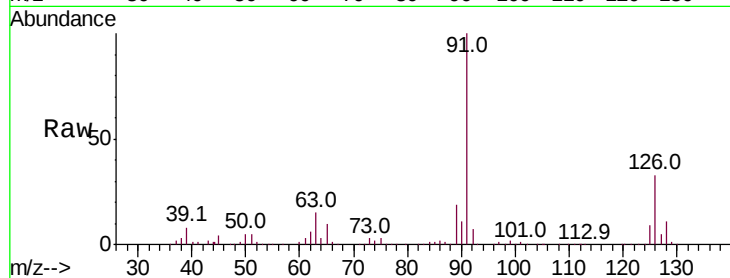
91 100

126 32.9 16.3 48.9

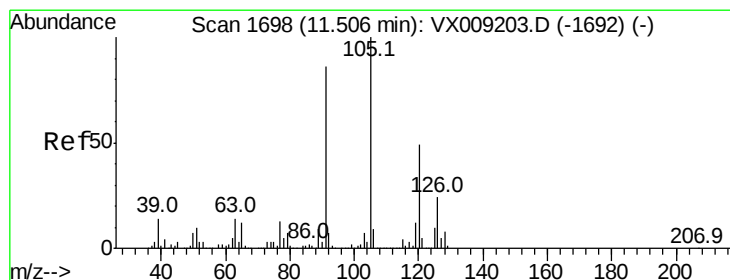
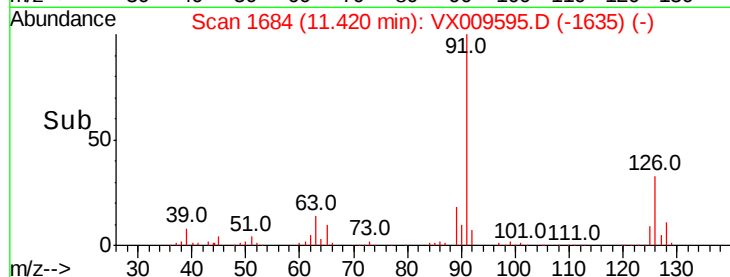
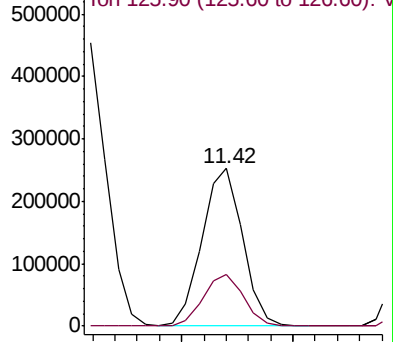
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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.050 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009595.D

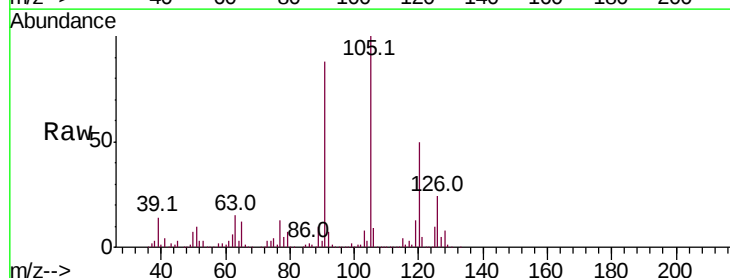
Acq: 16 May 2019 09:58

Tgt Ion: 105 Resp: 394663

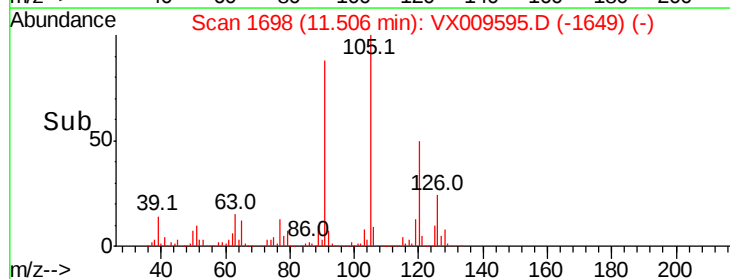
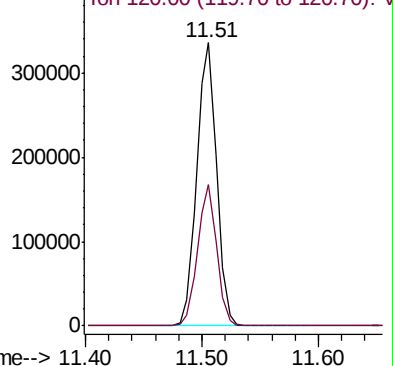
Ion Ratio Lower Upper

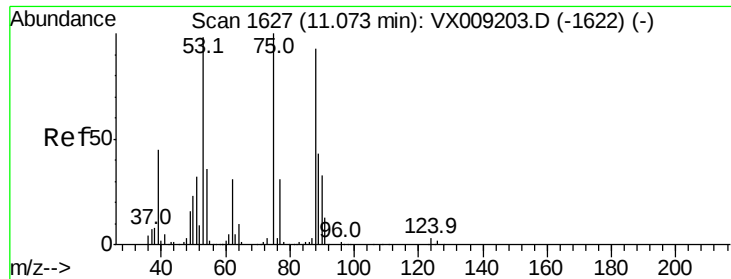
105 100

120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.913 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

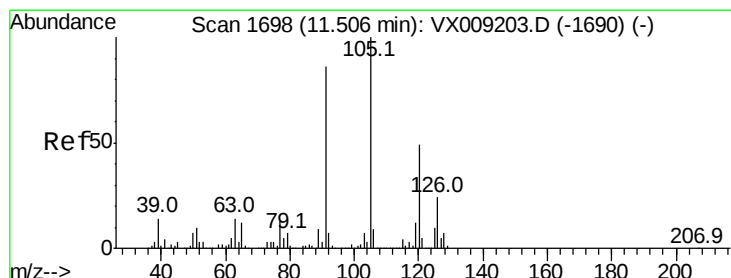
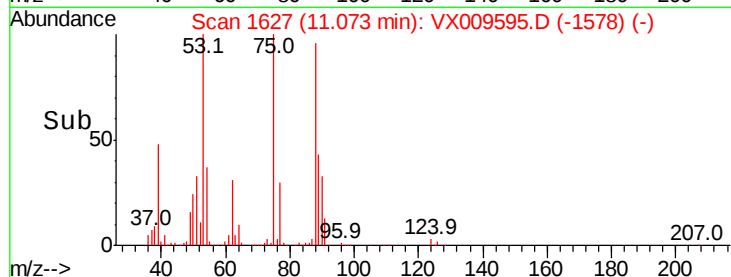
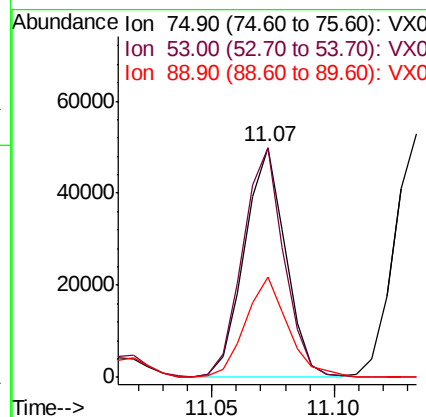
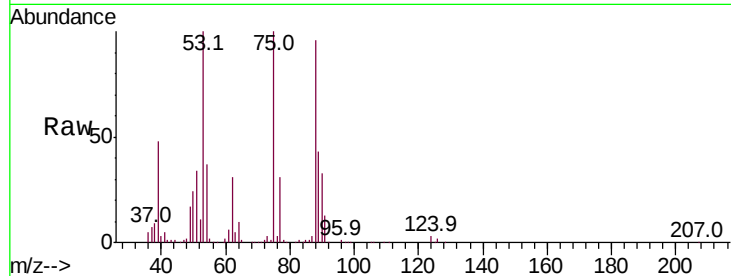
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.0	118.6
89	45.4	34.7	52.1

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#82

4-Chlorotoluene

Concen: 50.125 ug/l

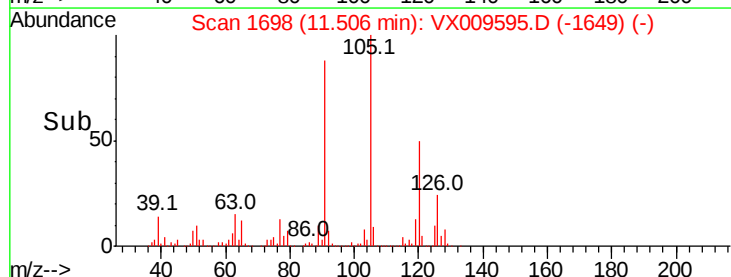
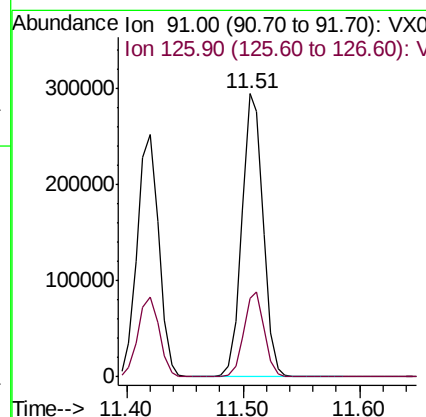
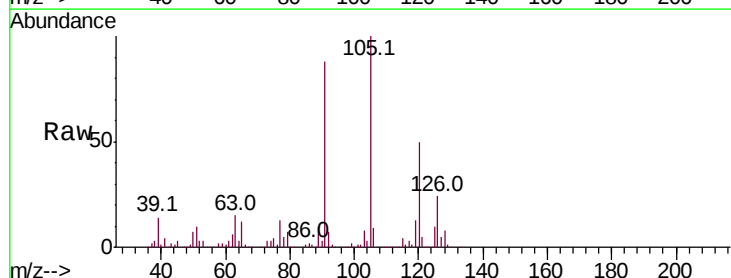
RT: 11.51 min Scan# 1698

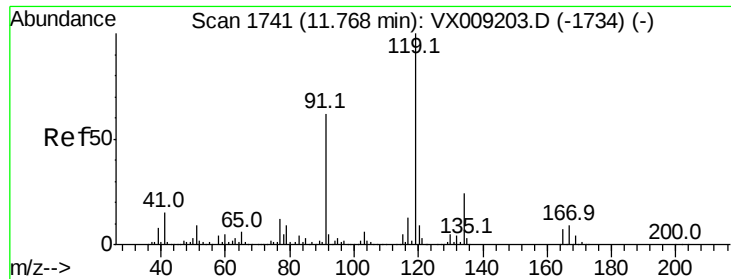
Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.5	43.6





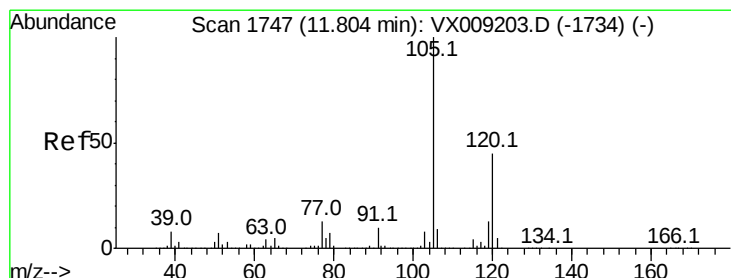
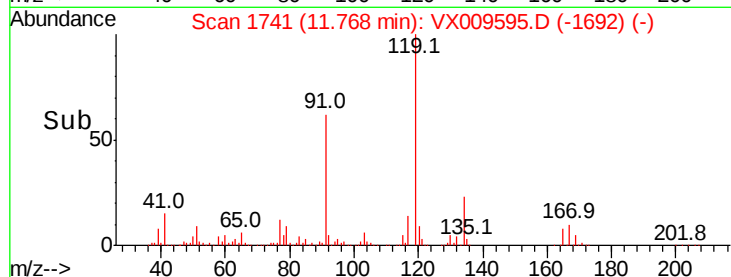
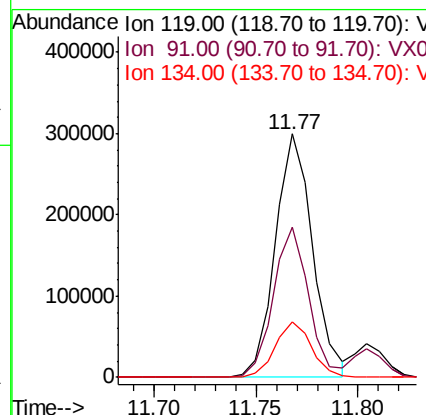
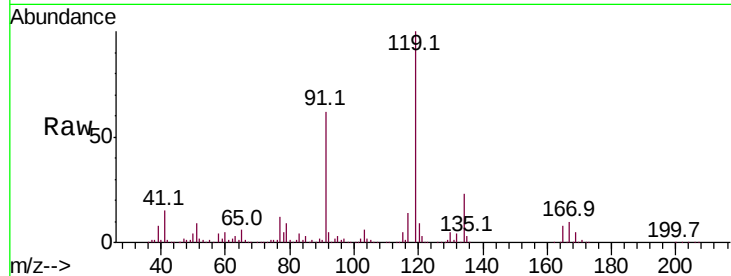
#83
tert-Butylbenzene
Concen: 49.579 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	58.8	29.5	88.5	
134	22.2	11.4	34.1	

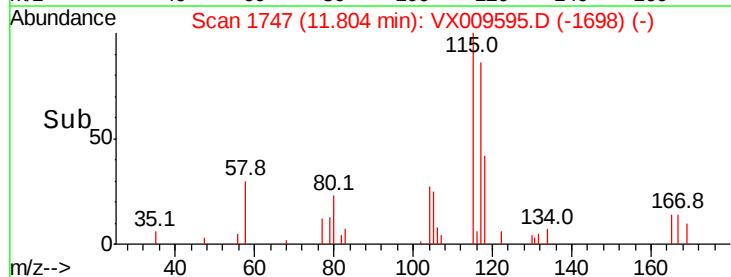
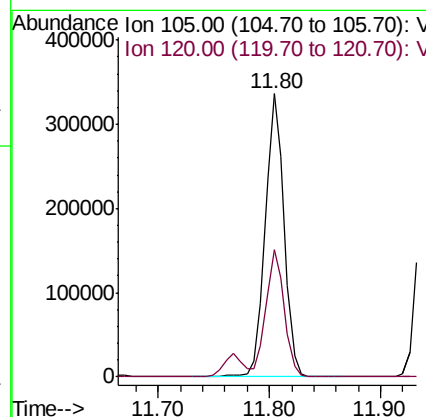
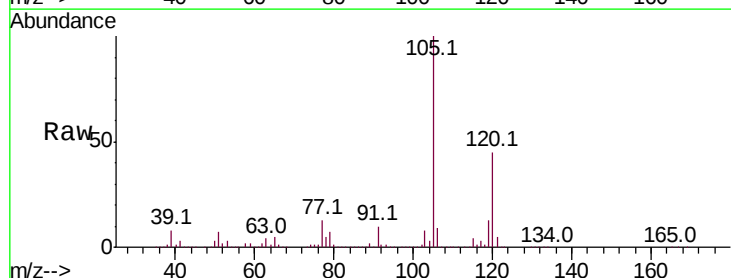
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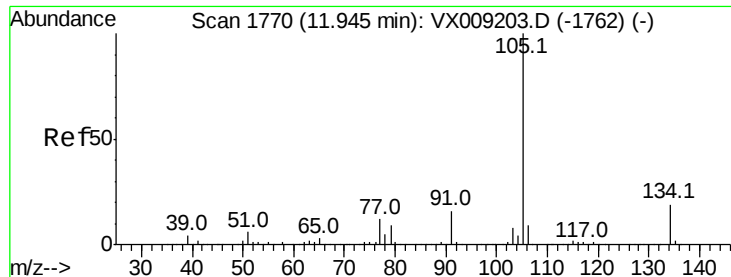
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#84
1,2,4-Trimethylbenzene
Concen: 50.343 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	43.4	22.0	66.0	





#85

sec-Butylbenzene

Concen: 50.549 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 459704

Ion Ratio Lower Upper

105 100

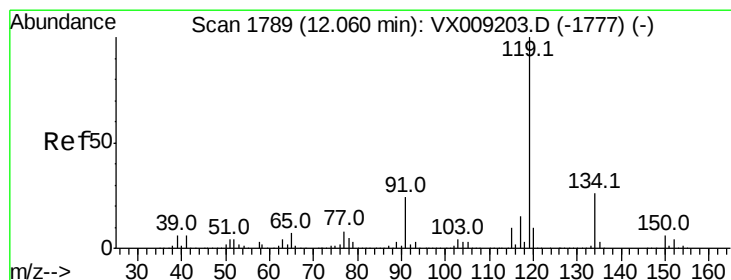
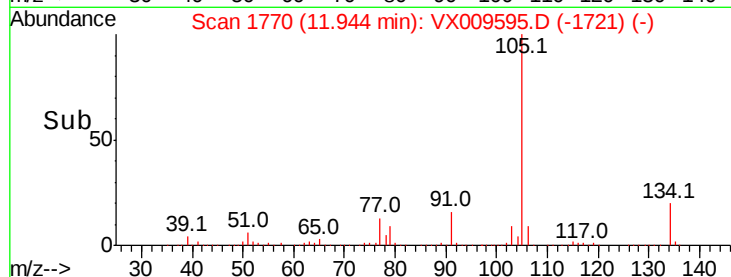
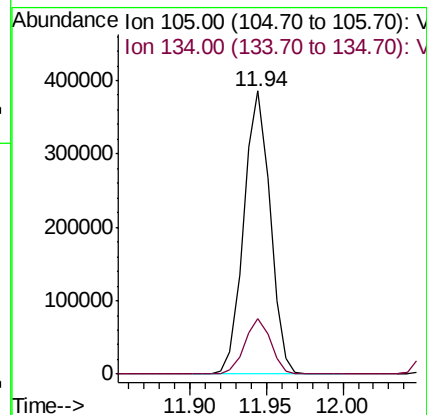
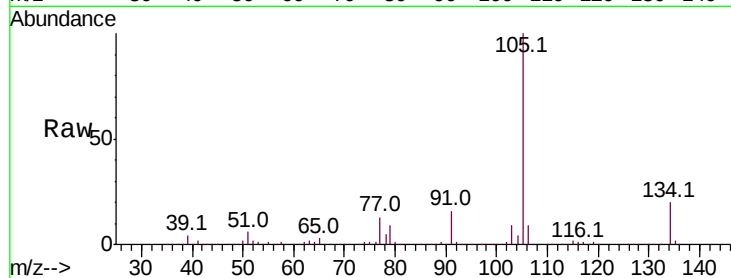
134 19.5 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 51.520 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

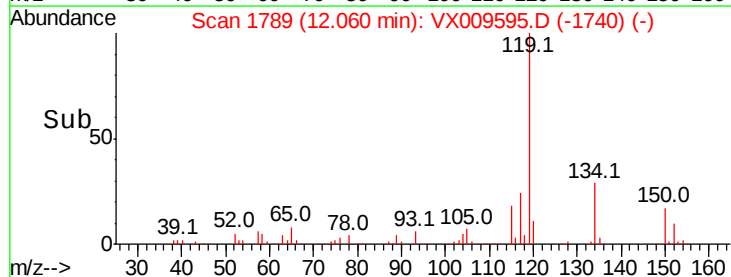
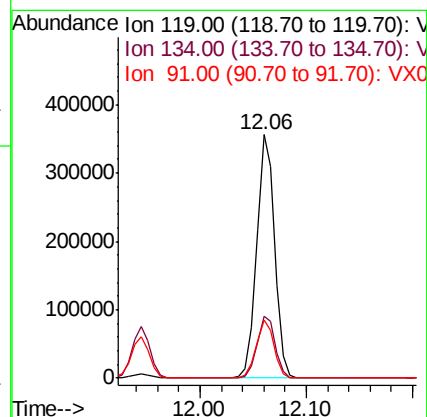
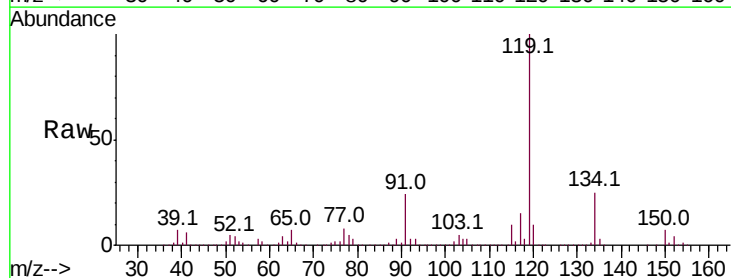
Tgt Ion:119 Resp: 421217

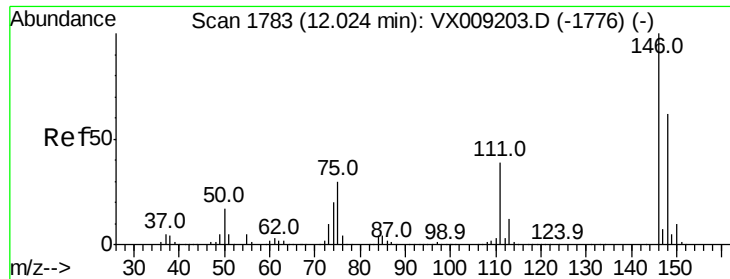
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.7 11.8 35.4





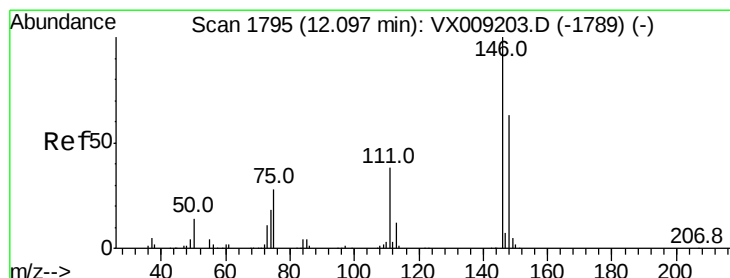
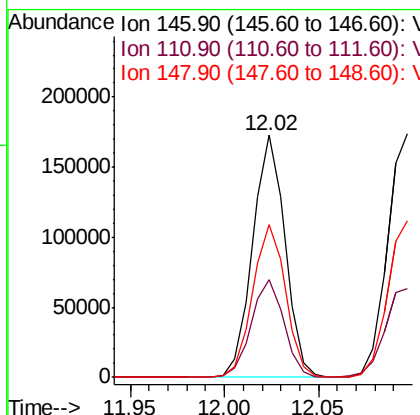
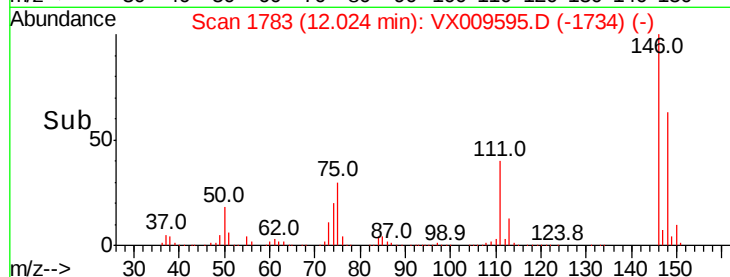
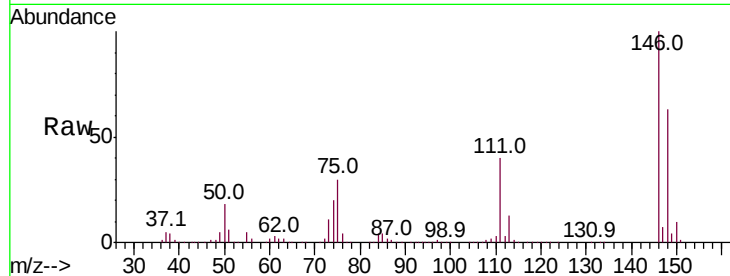
#87
 1,3-Dichlorobenzene
 Concen: 49.729 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009595.D
 Acq: 16 May 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.9	31.8	95.3

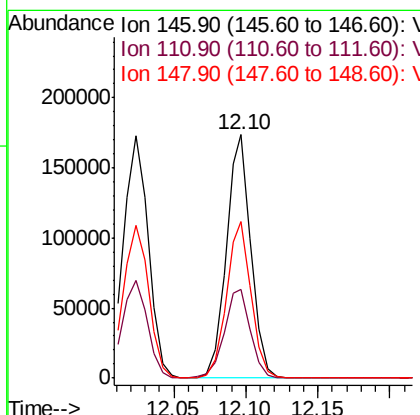
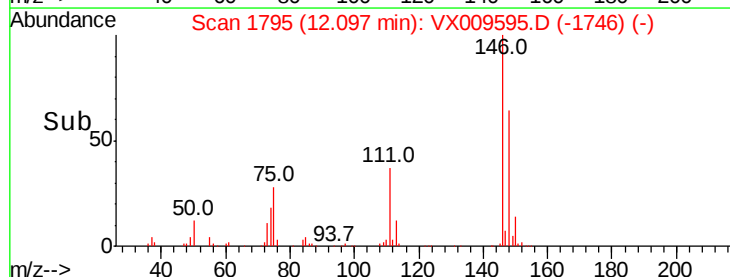
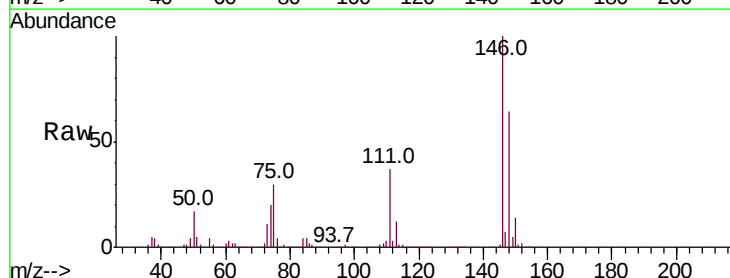
Manual Integrations
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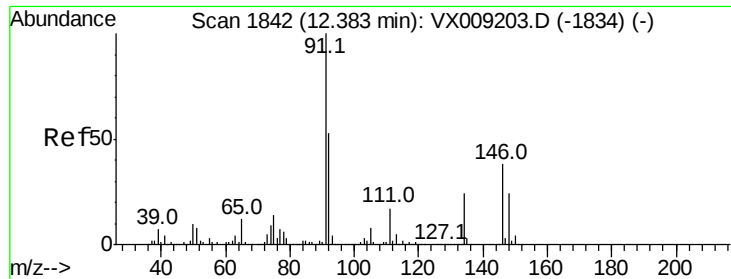
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#88
 1,4-Dichlorobenzene
 Concen: 49.605 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009595.D
 Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.8
148	64.6	31.8	95.3





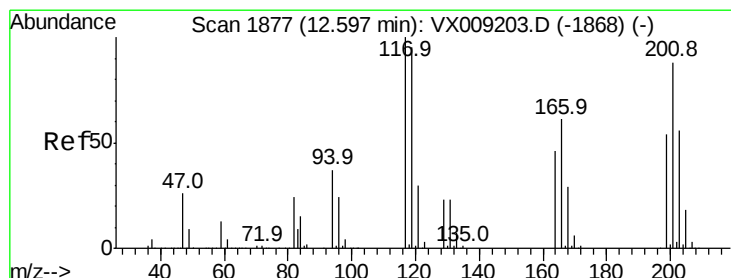
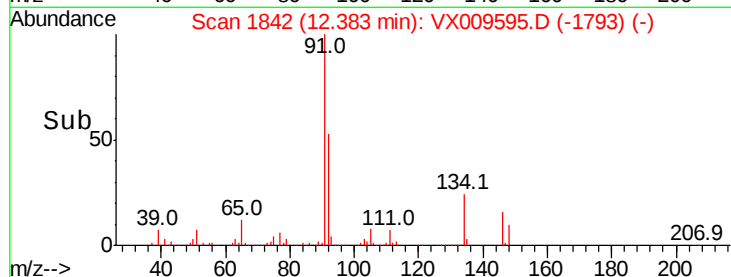
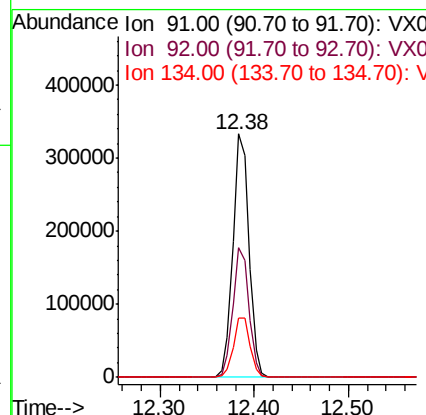
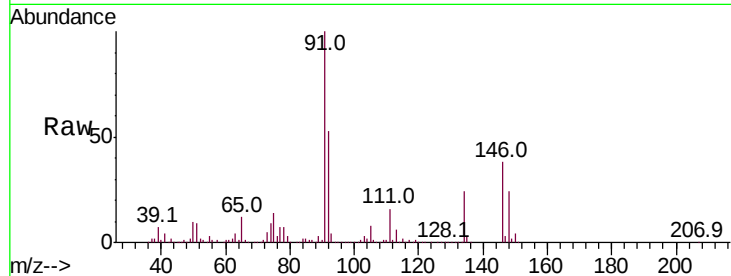
#89
n-Butylbenzene
Concen: 53.518 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.9	26.5	79.5	
134	25.2	12.4	37.2	

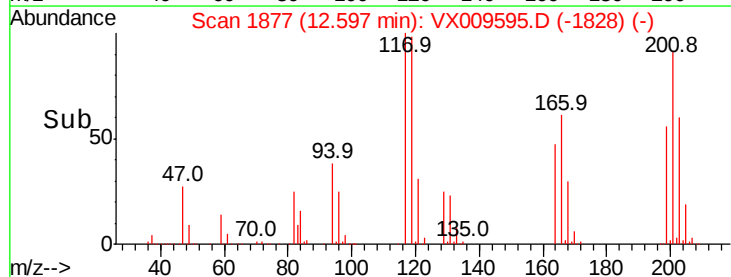
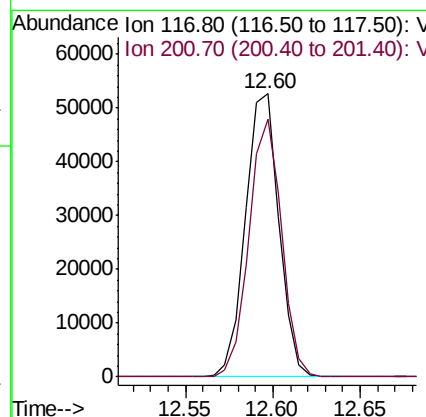
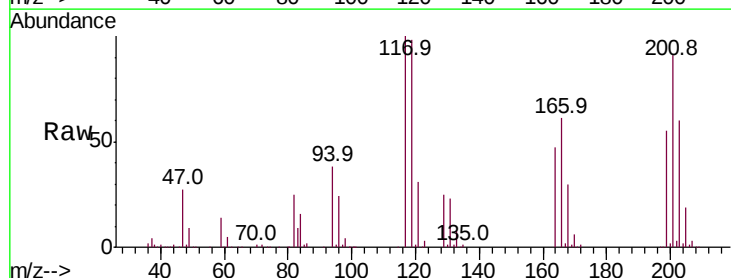
Manual Integrations
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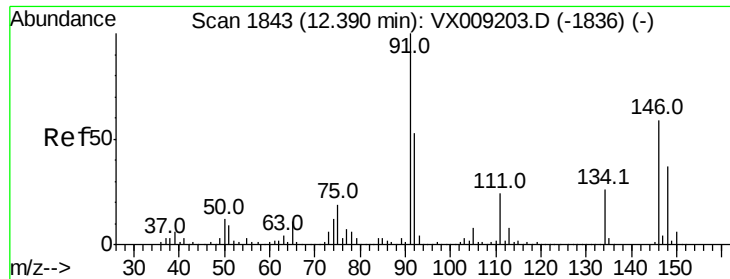
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#90
Hexachloroethane
Concen: 50.559 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009595.D
Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.5	42.3	126.9	





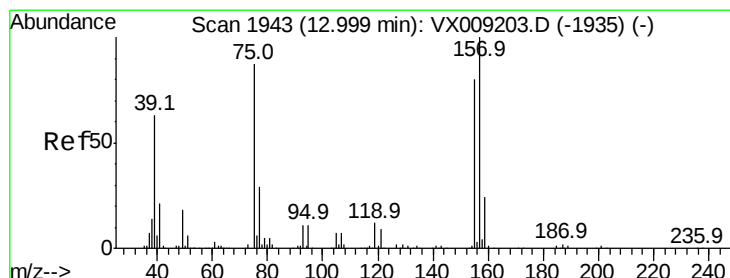
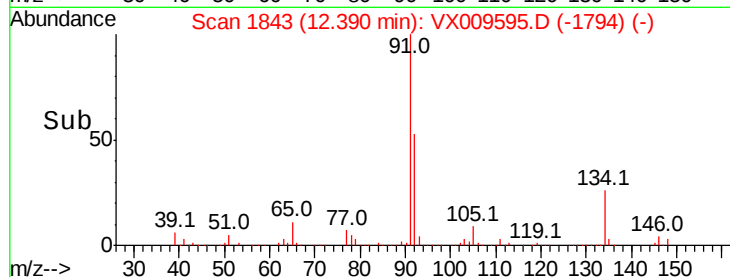
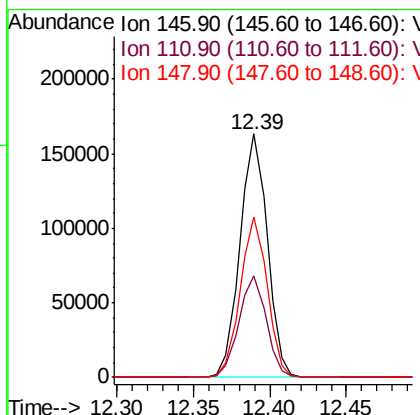
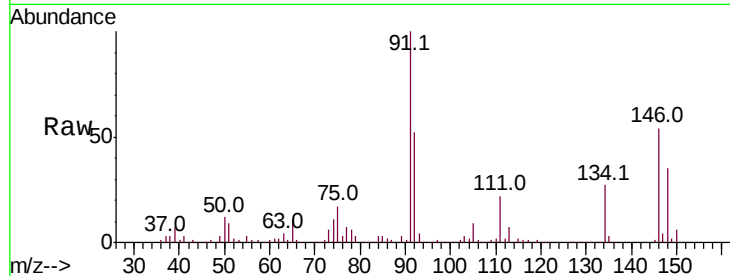
#91
 1,2-Dichlorobenzene
 Concen: 47.996 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009595.D
 Acq: 16 May 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	64.9	31.9	95.9

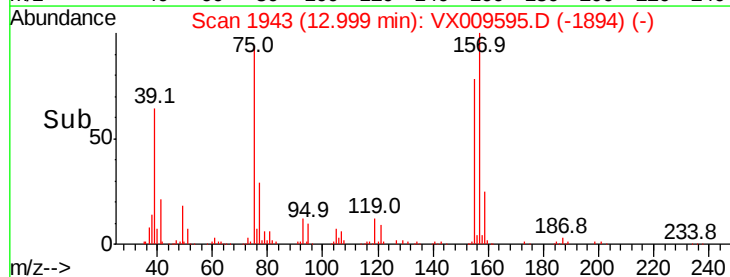
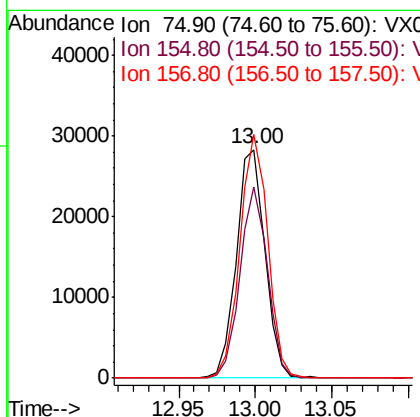
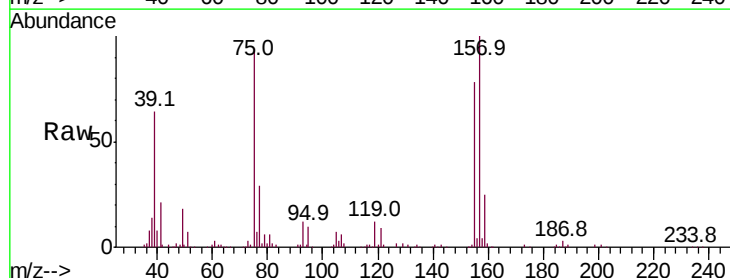
Manual Integrations
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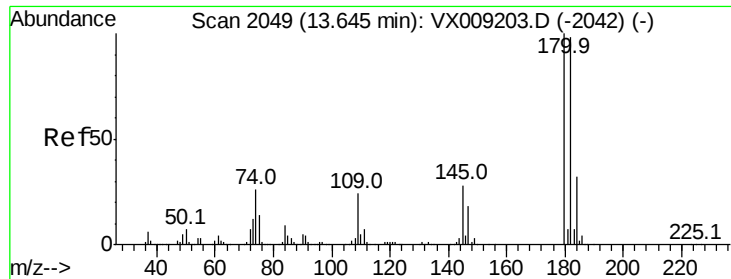
MMDadoda
 5/17/2019 1:08:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.901 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009595.D
 Acq: 16 May 2019 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	42.0	126.0
157	103.5	53.2	159.6





#93

1,2,4-Trichlorobenzene

Concen: 50.958 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

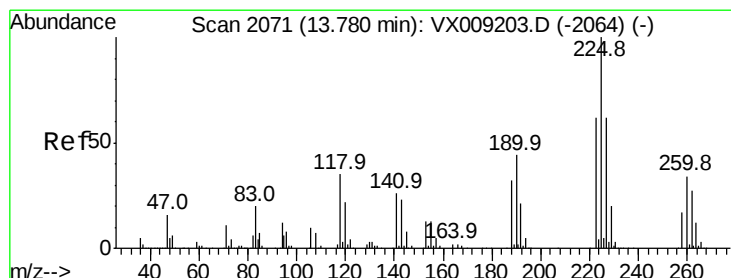
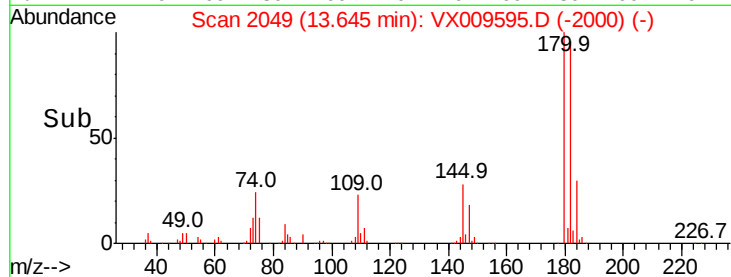
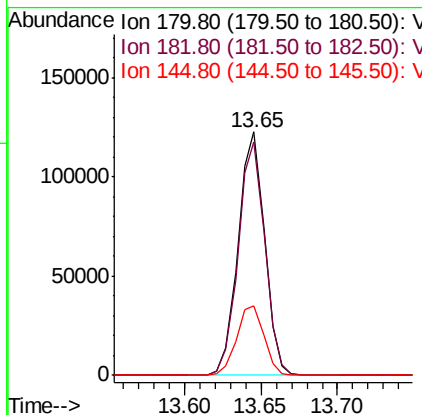
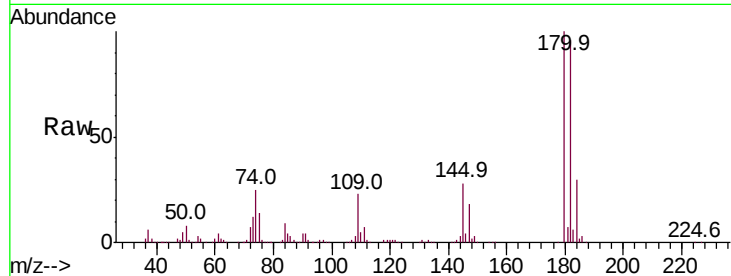
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	147071
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.4	145.2
145	29.4	14.6	43.8

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#94

Hexachlorobutadiene

Concen: 53.485 ug/l

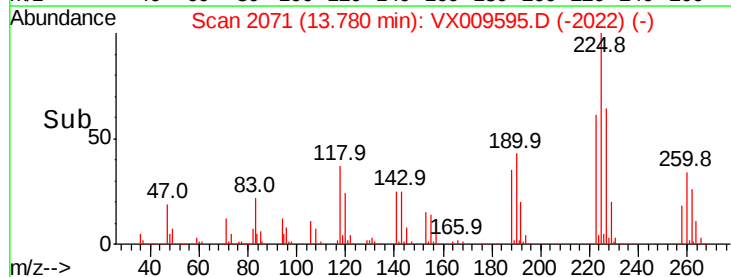
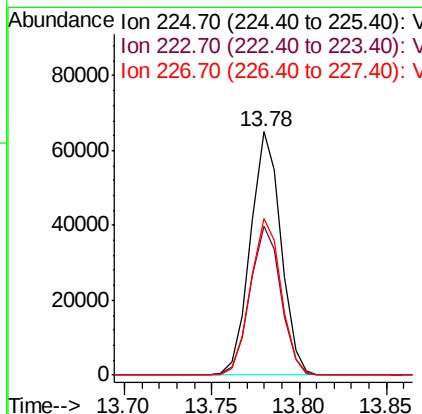
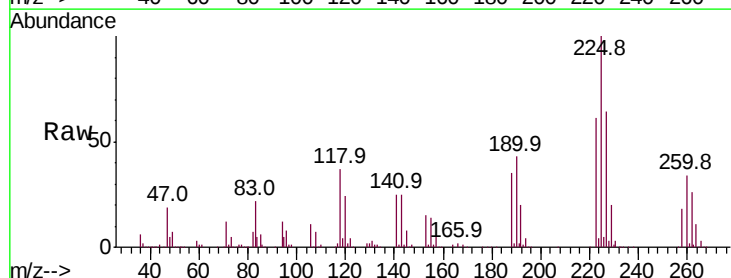
RT: 13.78 min Scan# 2071

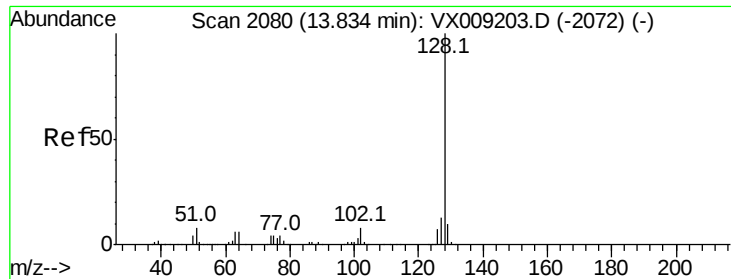
Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion:	225	Resp:	78829
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.3	93.8
227	64.4	31.8	95.3





#95

Naphthalene

Concen: 48.417 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Instrument :

MSVOA_X

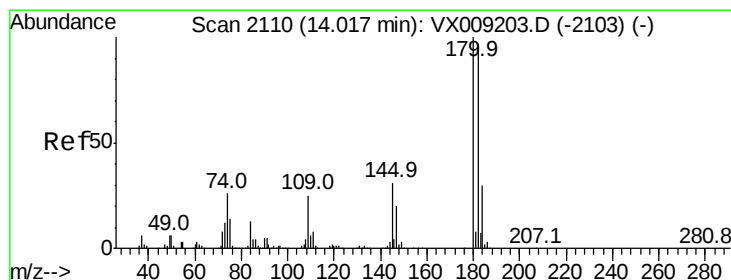
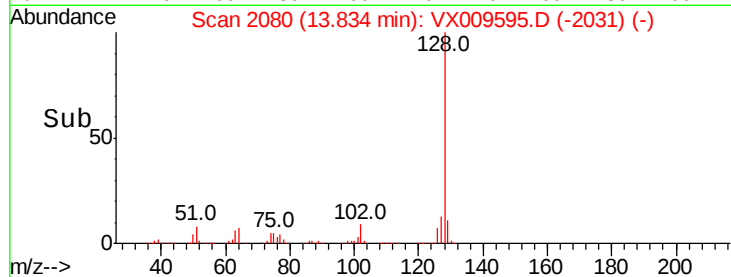
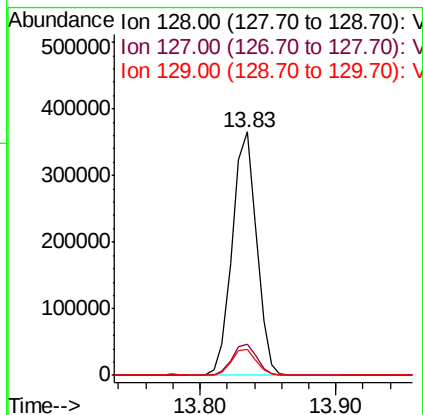
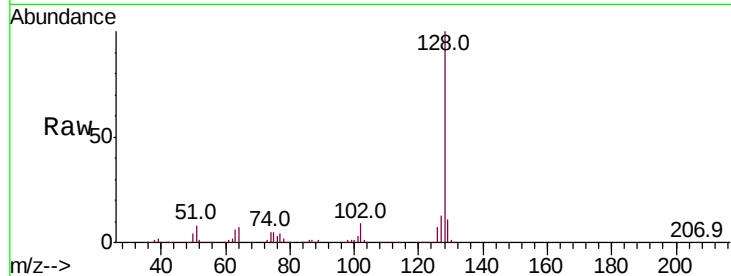
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	454629
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.633 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009595.D

Acq: 16 May 2019 09:58

Tgt Ion:	180	Resp:	148131
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	30.4	15.4	46.4

