

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031319\
 Data File : VX008059.D
 Acq On : 13 Mar 2019 19:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:18:06 AM

Quant Time: Mar 14 04:55:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	199304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	101400	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	5.50	113	93252	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.71	98	358945	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	11.13	95	131888	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85820	50.401	ug/l	100
3) Chloromethane	1.33	50	111410	50.771	ug/l	97
4) Vinyl Chloride	1.41	62	115972	53.190	ug/l	100
5) Bromomethane	1.64	94	53702	52.542	ug/l	100
6) Chloroethane	1.72	64	62699	43.287	ug/l	99
7) Trichlorofluoromethane	1.93	101	136406	48.052	ug/l	96
8) Diethyl Ether	2.19	74	59930	48.753	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	83331	47.370	ug/l	98
10) Methyl Iodide	2.51	142	133273	53.402	ug/l	98
11) Tert butyl alcohol	3.08	59	109294	232.450	ug/l	100
12) 1,1-Dichloroethene	2.37	96	81077	47.813	ug/l	98
13) Acrolein	2.30	56	84321	316.489	ug/l	98
14) Allyl chloride	2.73	41	149289	41.897	ug/l	97
15) Acrylonitrile	3.15	53	264542	222.906	ug/l	99
16) Acetone	2.45	43	218598	179.632	ug/l	99
17) Carbon Disulfide	2.57	76	226220	43.876	ug/l	100
18) Methyl Acetate	2.78	43	125351	48.486	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	286687	49.144	ug/l	98
20) Methylene Chloride	2.86	84	90625	46.793	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	86482	46.351	ug/l	96
22) Diisopropyl ether	3.87	45	301438	46.150	ug/l	95
23) Vinyl Acetate	3.82	43	1283550	224.090	ug/l	98
24) 1,1-Dichloroethane	3.70	63	166094	47.252	ug/l	99
25) 2-Butanone	4.70	43	374921	217.617	ug/l	96
26) 2,2-Dichloropropane	4.59	77	102995	44.228	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	104002	48.712	ug/l	96
28) Bromochloromethane	5.02	49	78249	47.750	ug/l	93
29) Tetrahydrofuran	5.15	42	249593	232.255	ug/l	96
30) Chloroform	5.21	83	164465	49.463	ug/l	100
31) Cyclohexane	5.57	56	150423	46.563	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	139132	50.433	ug/l	98
36) 1,1-Dichloropropene	5.80	75	124090	46.191	ug/l	98
37) Ethyl Acetate	4.85	43	139861	43.871	ug/l	98
38) Carbon Tetrachloride	5.78	117	121995	47.833	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	155337	47.719	ug/l	98
40) Benzene	6.14	78	388099	48.526	ug/l	100
41) Methacrylonitrile	5.06	41	81033	46.621	ug/l	98
42) 1,2-Dichloroethane	6.20	62	124785	47.709	ug/l	99
43) Isopropyl Acetate	6.46	43	224113	47.500	ug/l	98
44) Trichloroethene	7.21	130	110014	49.915	ug/l	99
45) 1,2-Dichloropropane	7.52	63	104930	49.674	ug/l	98
46) Dibromomethane	7.66	93	66604	49.823	ug/l	98
47) Bromodichloromethane	7.90	83	126938	50.083	ug/l	98
48) Methyl methacrylate	7.77	41	119619	48.222	ug/l	96
49) 1,4-Dioxane	7.75	88	52563	1031.509	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	754185	248.556	ug/l	98
52) Toluene	8.79	92	252268	51.664	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	142552	53.887	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	156413	52.359	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	107693	54.483	ug/l	99
56) Ethyl methacrylate	9.18	69	160408	54.049	ug/l	97
57) 1,3-Dichloropropane	9.37	76	177840	53.584	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	409859	266.978	ug/l	98
59) 2-Hexanone	9.49	43	592140	251.360	ug/l	99
60) Dibromochloromethane	9.59	129	111538	53.986	ug/l	99
61) 1,2-Dibromoethane	9.67	107	112256	53.490	ug/l	100
64) Tetrachloroethene	9.34	164	115105	50.361	ug/l	100
65) Chlorobenzene	10.14	112	285024	49.385	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	106472	51.473	ug/l	99
67) Ethyl Benzene	10.25	91	481009	50.630	ug/l	99
68) m/p-Xylenes	10.36	106	369357	100.863	ug/l	100
69) o-Xylene	10.70	106	180059	50.930	ug/l	99
70) Styrene	10.71	104	298962	51.676	ug/l	100
71) Bromoform	10.86	173	88124	49.609	ug/l #	99
73) Isopropylbenzene	11.02	105	486925	51.473	ug/l	100
74) N-amyl acetate	10.90	43	207975	48.158	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	156903	48.085	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	151458m	51.602	ug/l	
77) Bromobenzene	11.26	156	130173	50.191	ug/l	98
78) n-propylbenzene	11.36	91	537241	51.193	ug/l	100
79) 2-Chlorotoluene	11.42	91	321223	50.061	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	399564	51.319	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	44794	48.783	ug/l	99
82) 4-Chlorotoluene	11.51	91	366179	49.797	ug/l	100
83) tert-Butylbenzene	11.77	119	396132	50.510	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	411789	51.593	ug/l	100
85) sec-Butylbenzene	11.94	105	479306	51.891	ug/l	99
86) p-Isopropyltoluene	12.06	119	428915	51.850	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	228014	49.694	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	226540	48.211	ug/l	100
89) n-Butylbenzene	12.39	91	352031	50.231	ug/l	99
90) Hexachloroethane	12.60	117	69187	50.024	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	226884	49.775	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33651	49.346	ug/l	97

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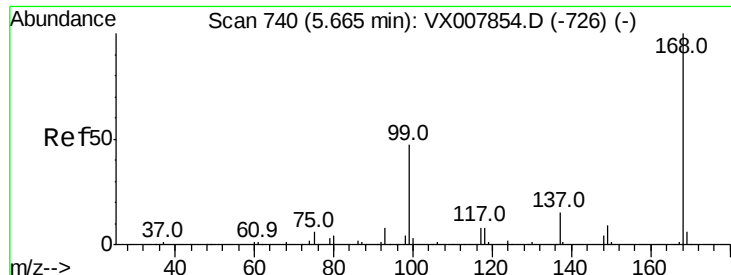
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	158491	49.496	ug/l	100
94) Hexachlorobutadiene	13.78	225	84514	50.482	ug/l	100
95) Naphthalene	13.83	128	483875	52.445	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161715	50.697	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 199304

Ion Ratio Lower Upper

168 100

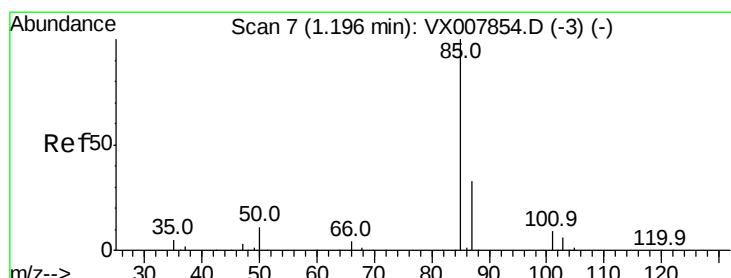
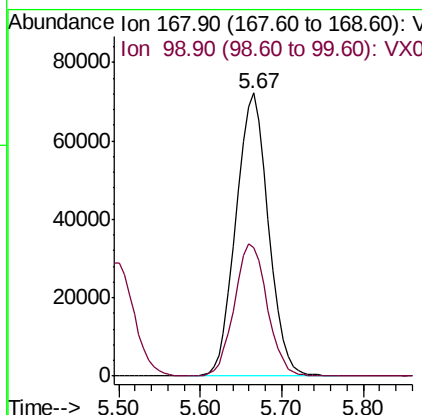
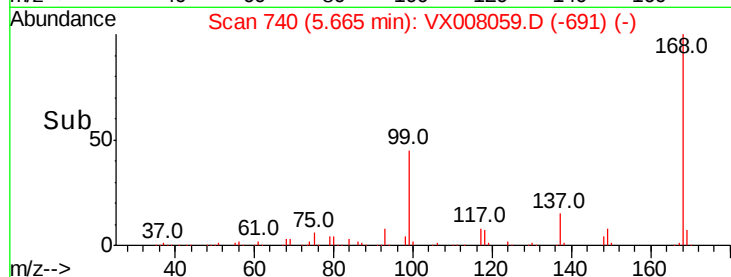
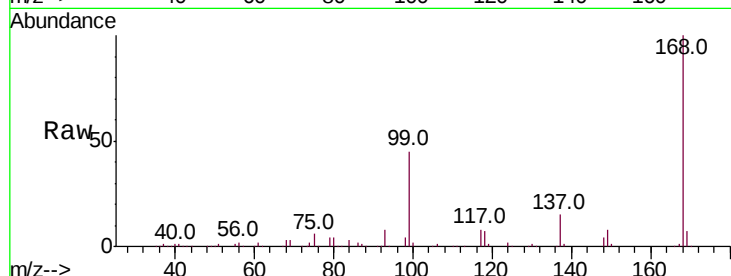
99 45.3 37.6 56.4

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#2

Dichlorodifluoromethane

Concen: 50.401 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008059.D

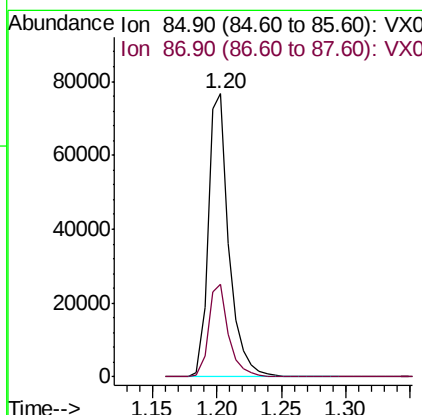
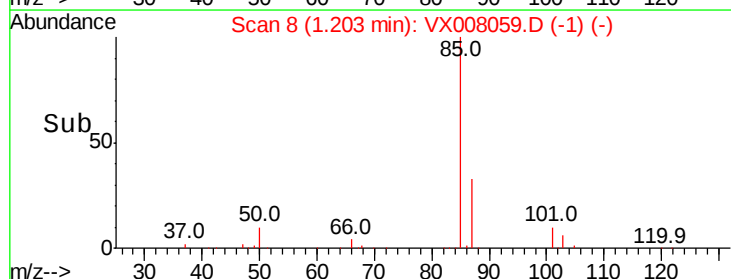
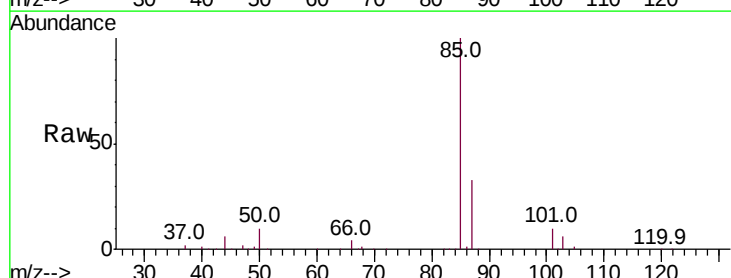
Acq: 13 Mar 2019 19:42

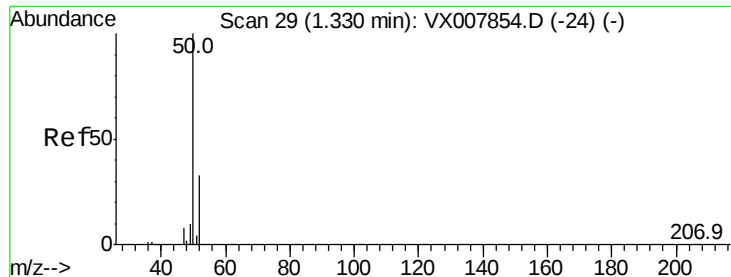
Tgt Ion: 85 Resp: 85820

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1





#3

Chloromethane

Concen: 50.771 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 111410

Ion Ratio Lower Upper

50 100

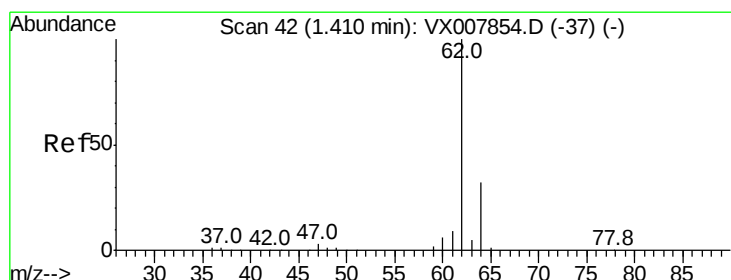
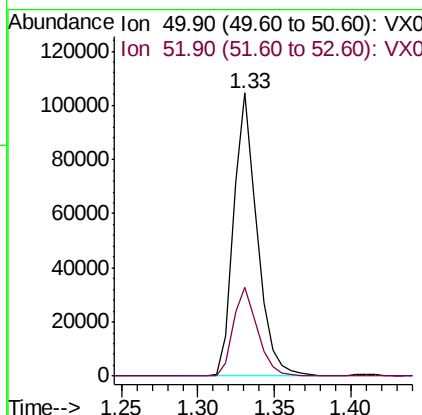
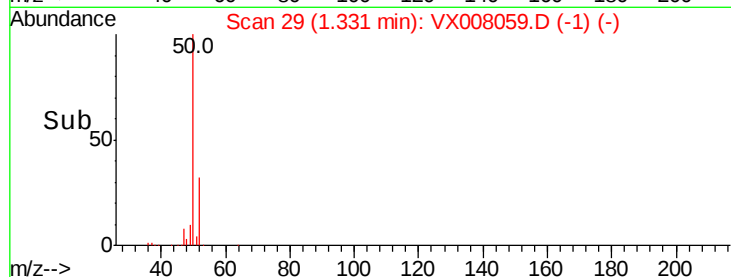
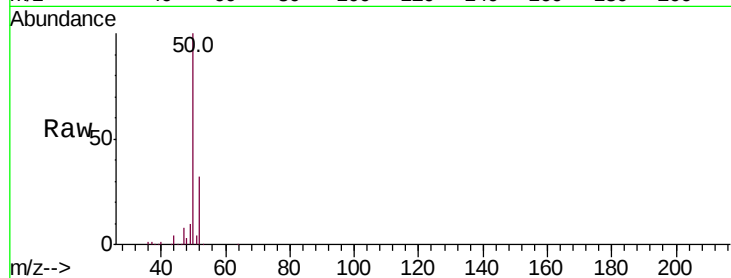
52 31.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.190 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008059.D

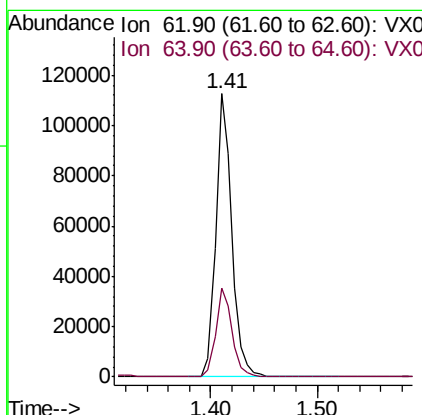
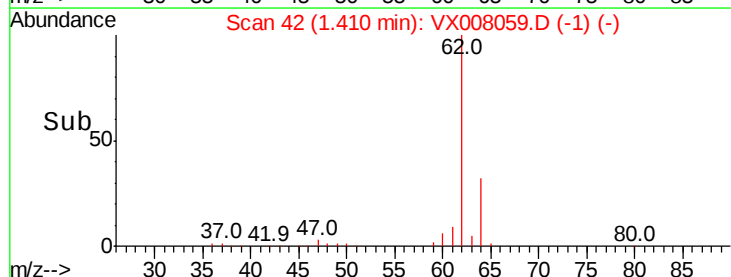
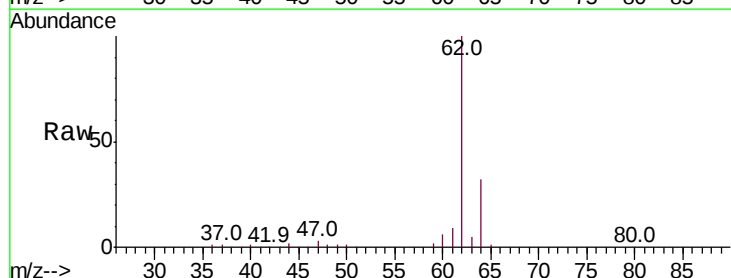
Acq: 13 Mar 2019 19:42

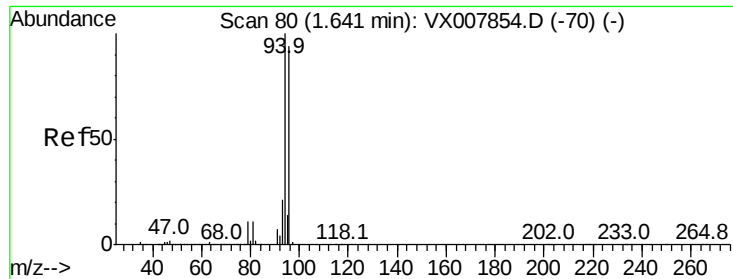
Tgt Ion: 62 Resp: 115972

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 52.542 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53702

Ion Ratio Lower Upper

94 100

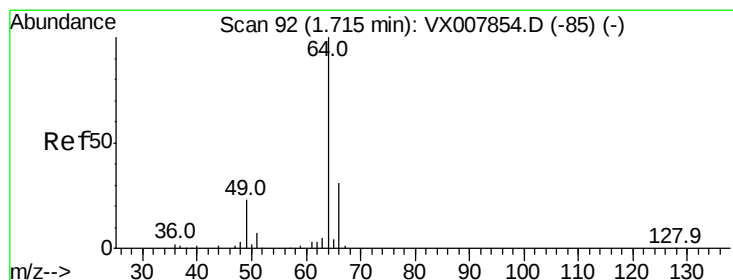
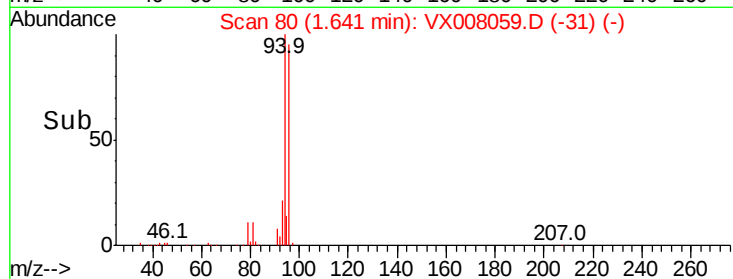
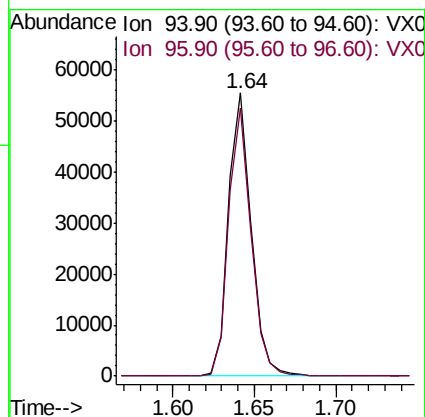
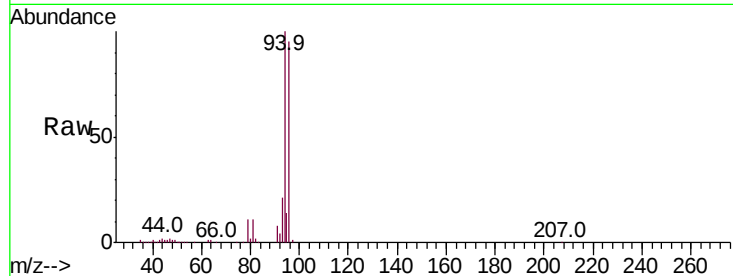
96 94.5 75.5 113.3

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#6

Chloroethane

Concen: 43.287 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008059.D

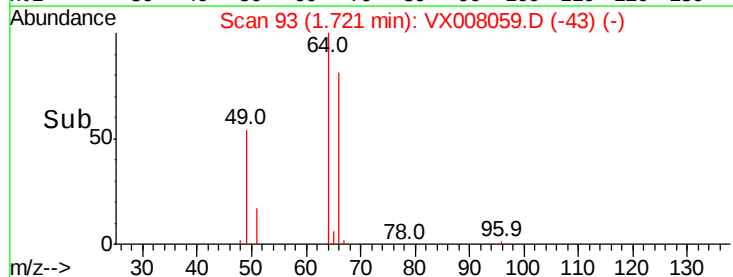
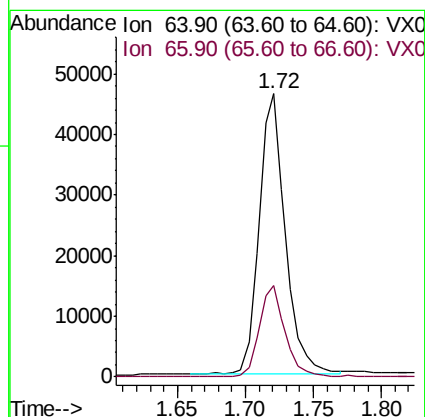
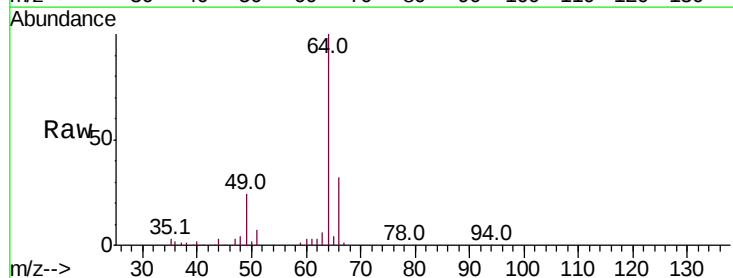
Acq: 13 Mar 2019 19:42

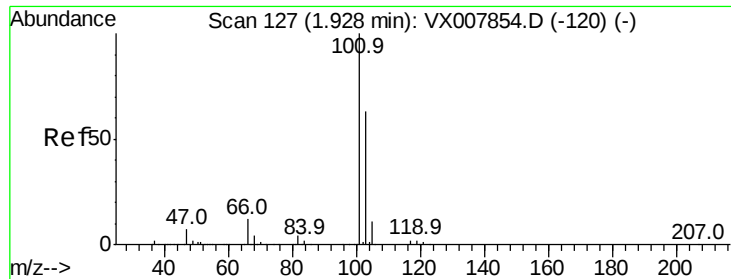
Tgt Ion: 64 Resp: 62699

Ion Ratio Lower Upper

64 100

66 32.3 25.2 37.8





#7

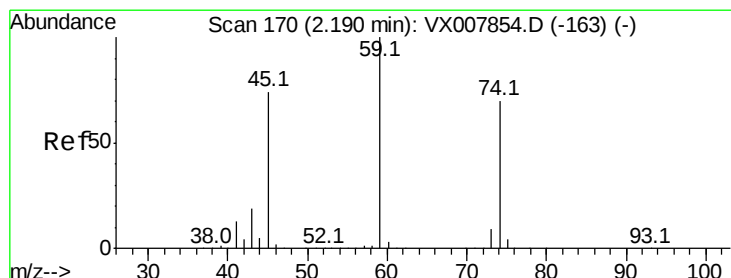
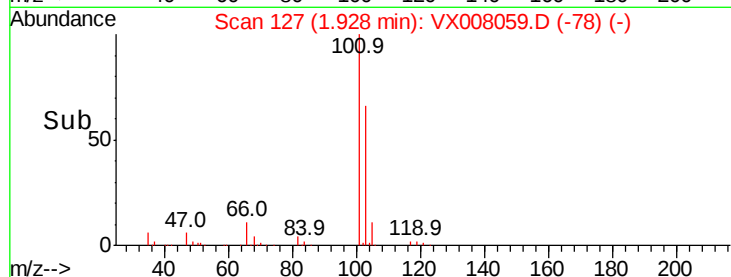
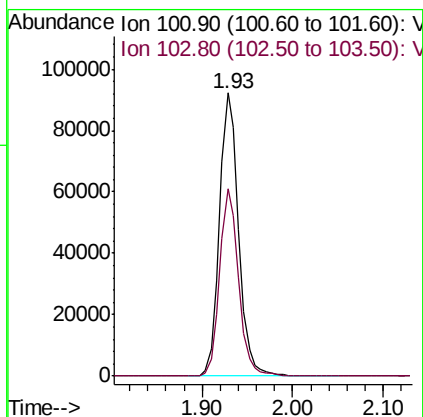
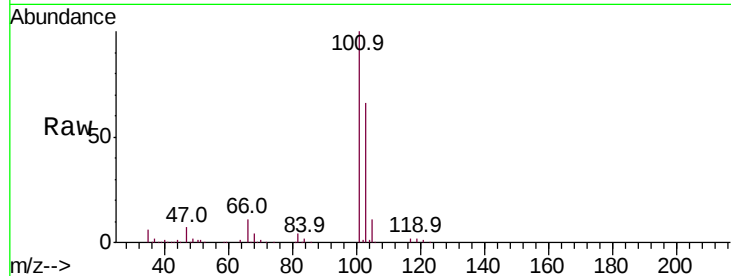
Trichlorofluoromethane
Concen: 48.052 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.4	75.6

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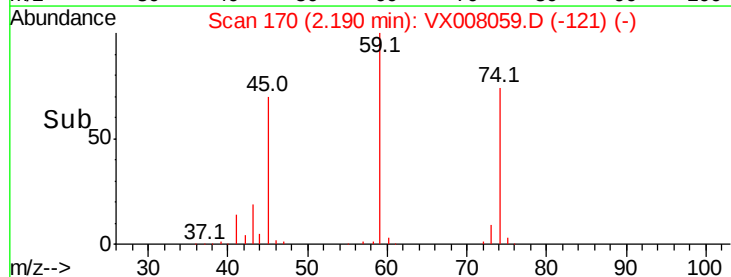
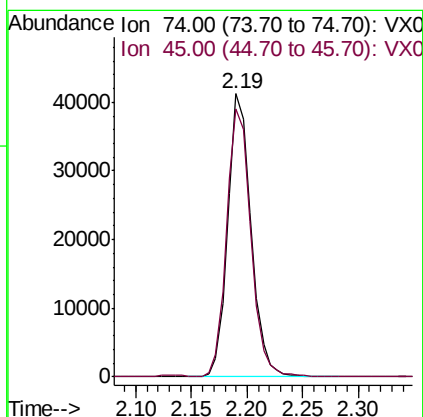
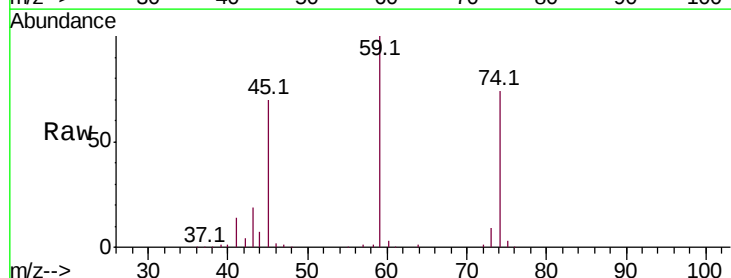
MMDadoda
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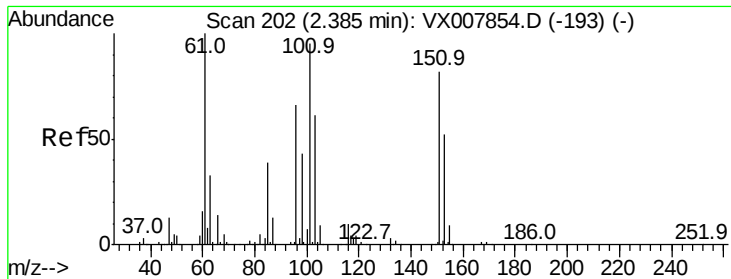


#8

Diethyl Ether
Concen: 48.753 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.370 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

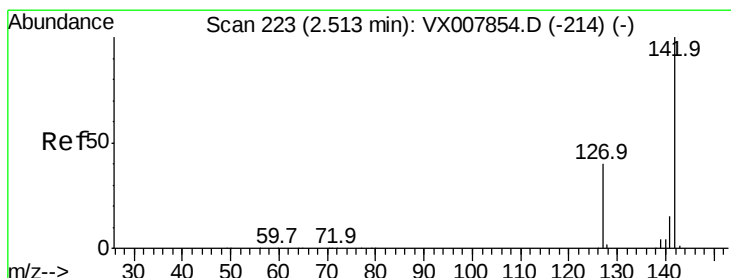
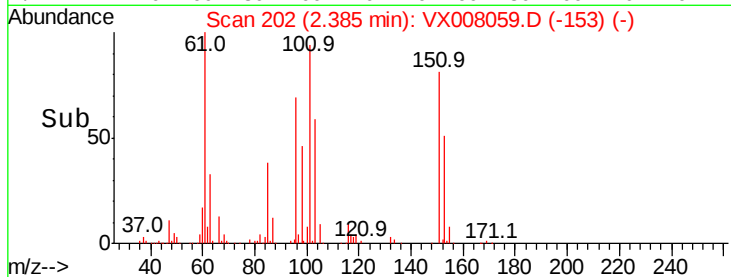
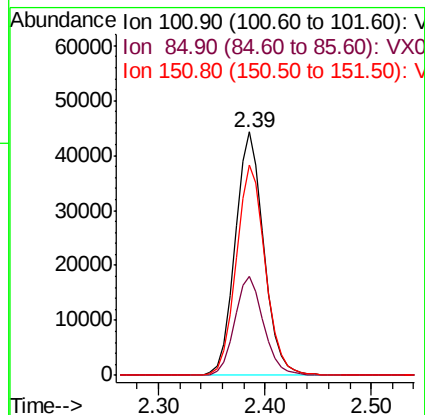
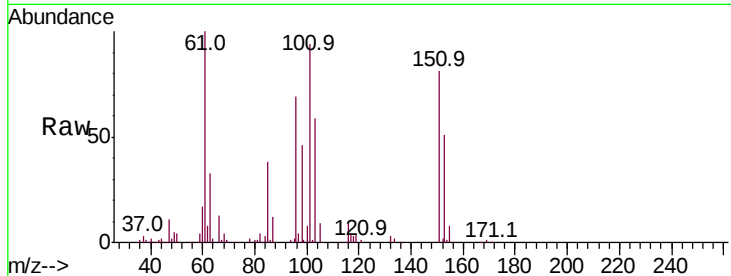
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	83331
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.8	50.6
151	88.1	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 53.402 ug/l

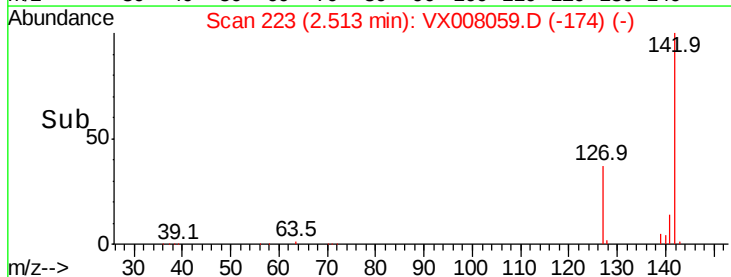
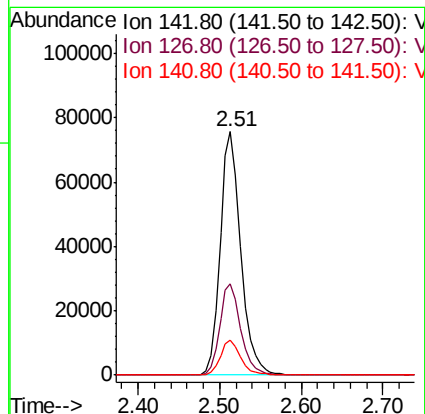
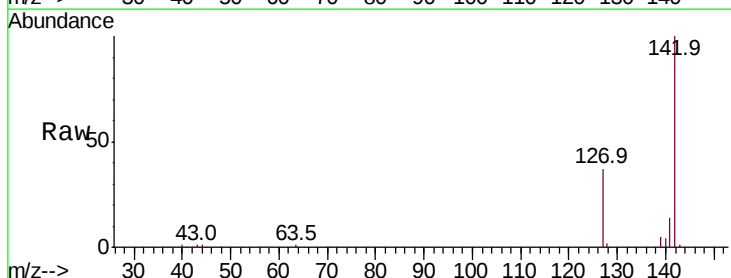
RT: 2.51 min Scan# 223

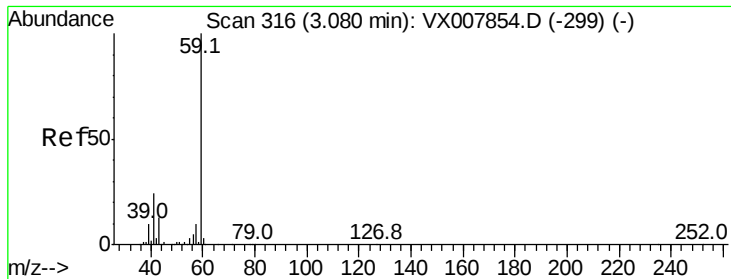
Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	142	Resp:	133273
Ion Ratio	Lower	Upper	
142	100		
127	38.2	32.1	48.1
141	14.2	11.4	17.2





#11

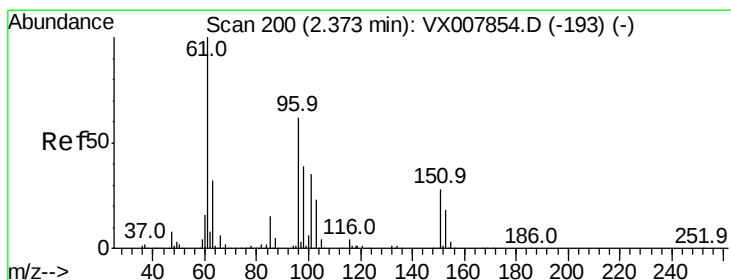
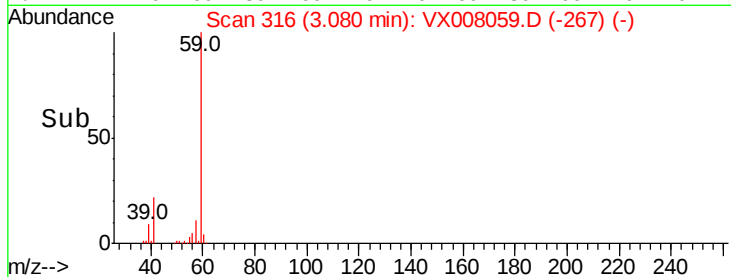
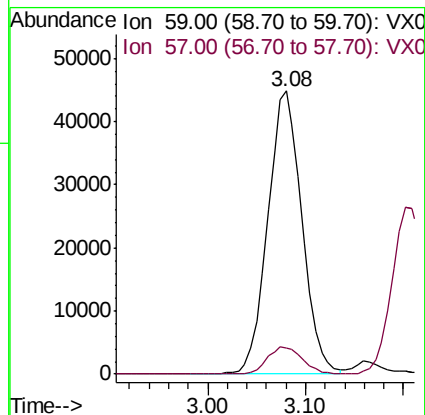
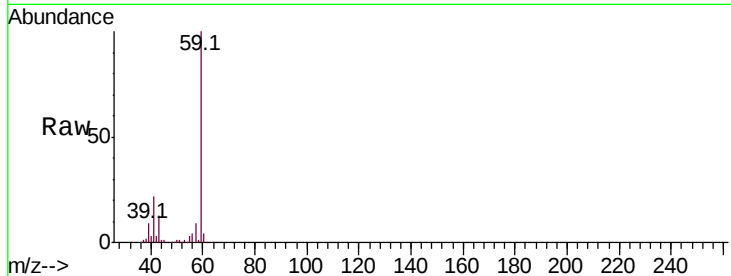
Tert butyl alcohol
 Concen: 232.450 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	59	Resp	109294
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.2

Manual Integrations
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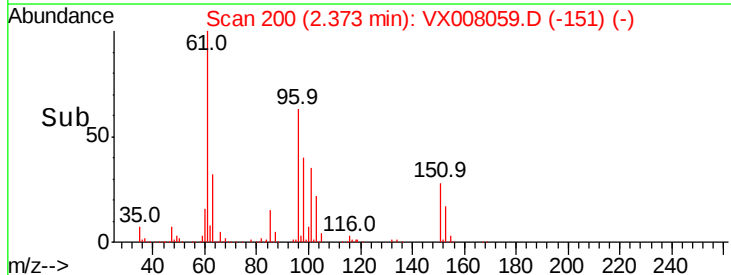
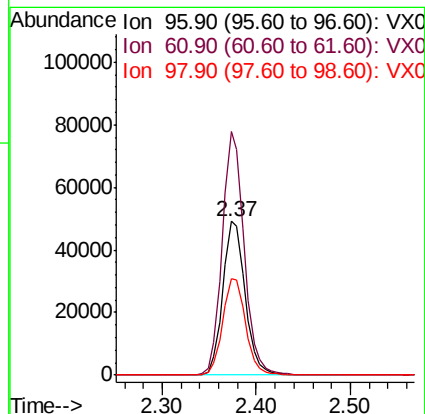
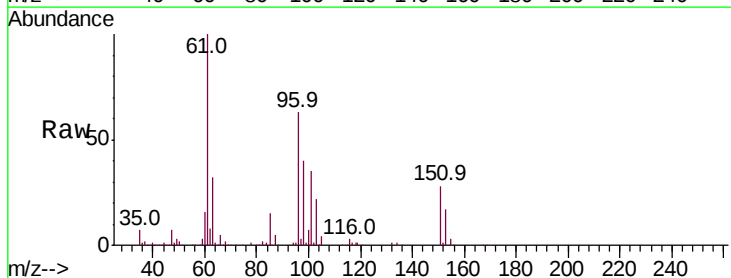
MMDadoda
 3/14/2019 10:18:06 AM

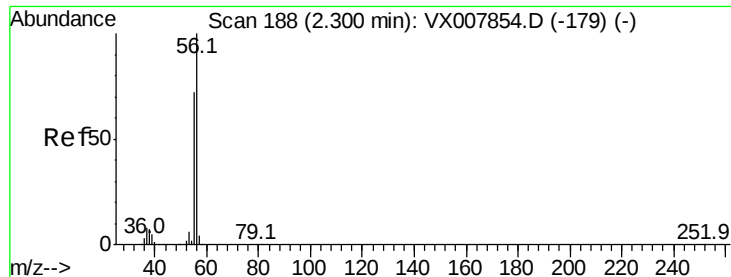


#12

1,1-Dichloroethene
 Concen: 47.813 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Tgt Ion	96	Resp	81077
Ion Ratio	100	Lower	Upper
61	158.3	129.8	194.6
98	63.1	51.0	76.6





#13

Acrolein

Concen: 316.489 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 84321

Ion Ratio Lower Upper

56 100

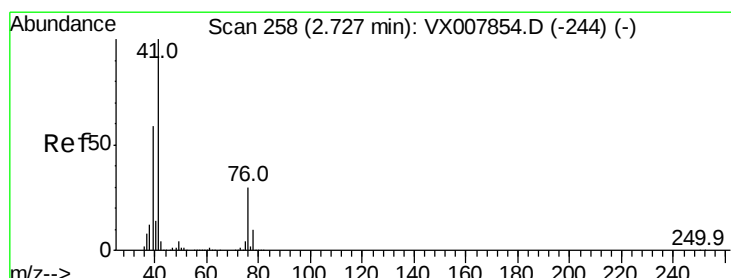
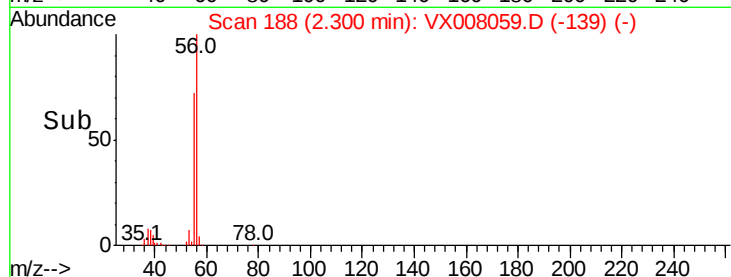
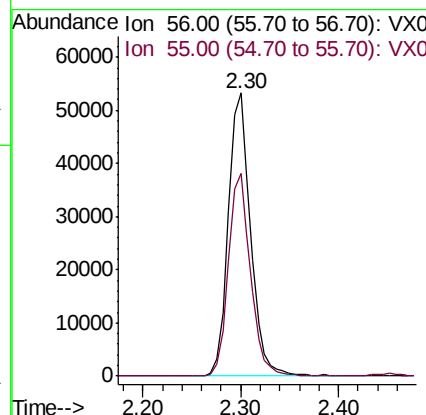
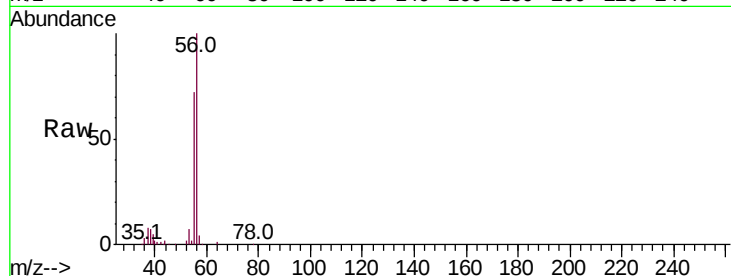
55 70.9 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 41.897 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

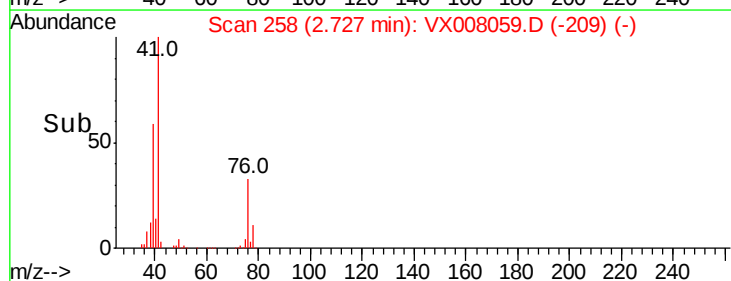
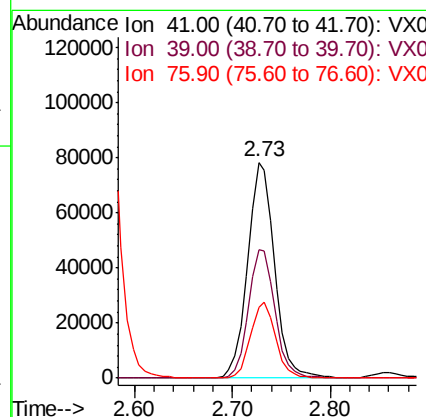
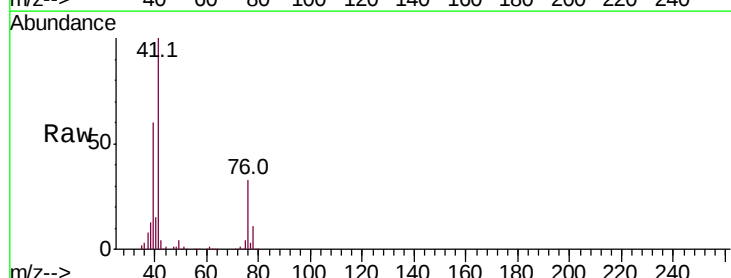
Tgt Ion: 41 Resp: 149289

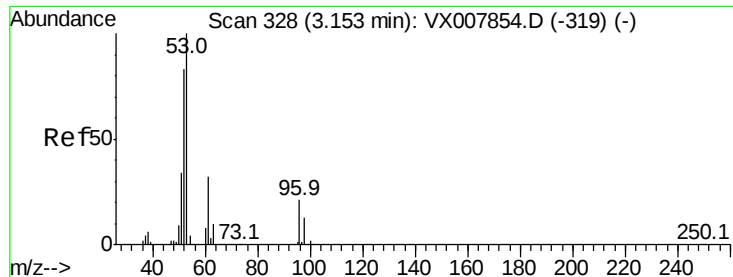
Ion Ratio Lower Upper

41 100

39 58.8 46.1 69.1

76 33.2 24.0 36.0





#15

Acrylonitrile

Concen: 222.906 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

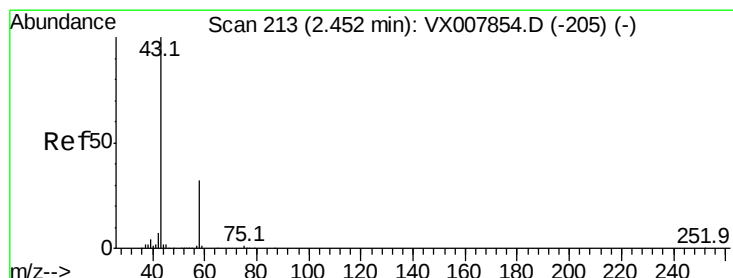
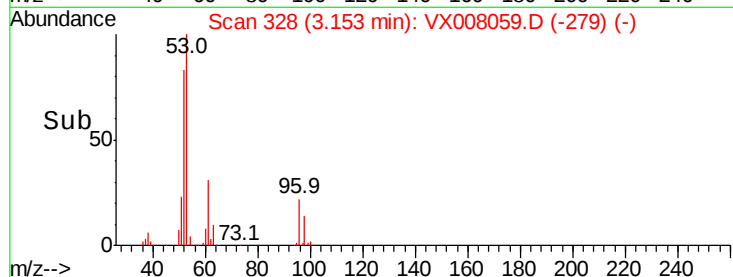
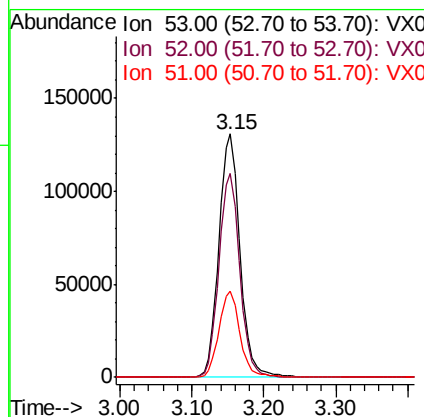
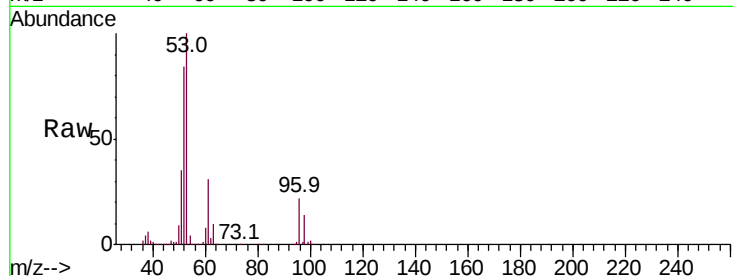
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	264542
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.0	99.0
51	35.8	28.0	42.0

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#16

Acetone

Concen: 179.632 ug/l

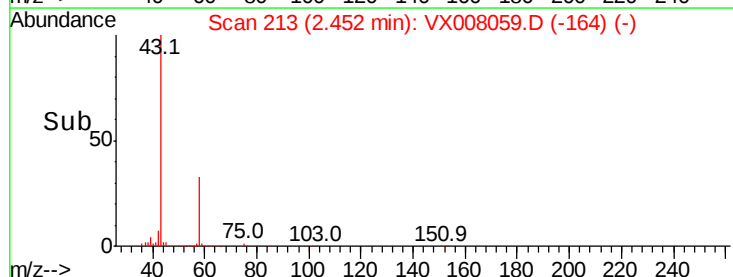
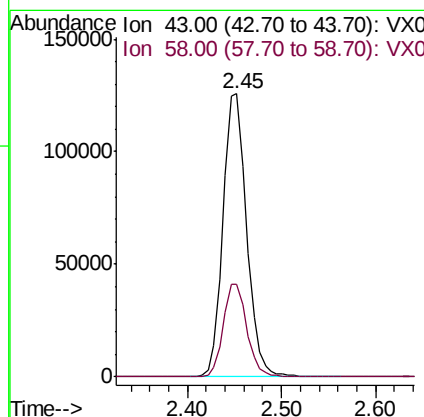
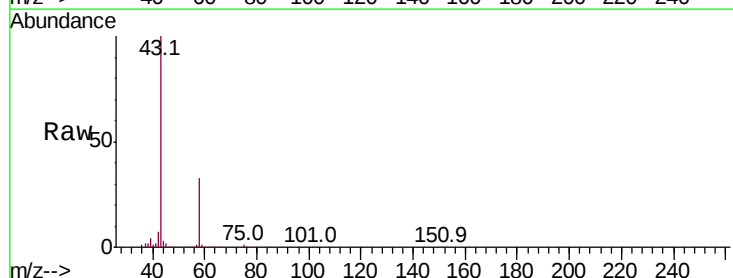
RT: 2.45 min Scan# 213

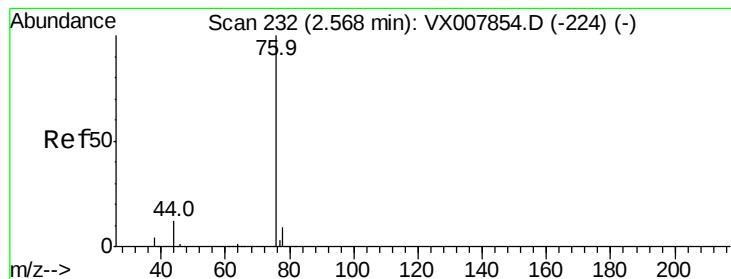
Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	43	Resp:	218598
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.5	38.3





#17

Carbon Disulfide

Concen: 43.876 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 226220

Ion Ratio Lower Upper

76 100

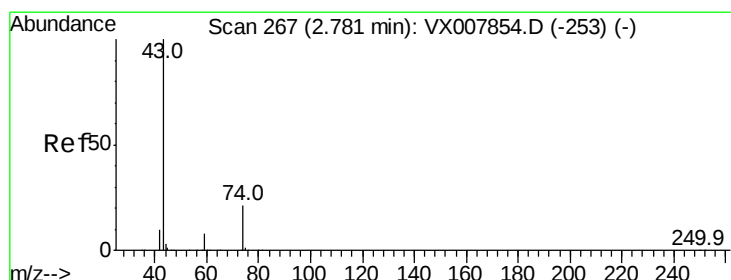
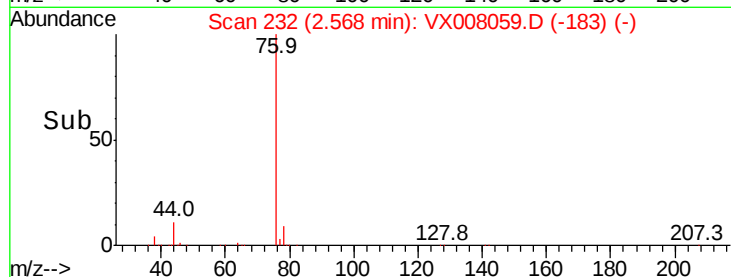
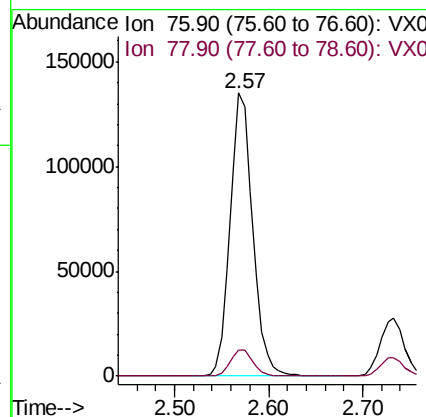
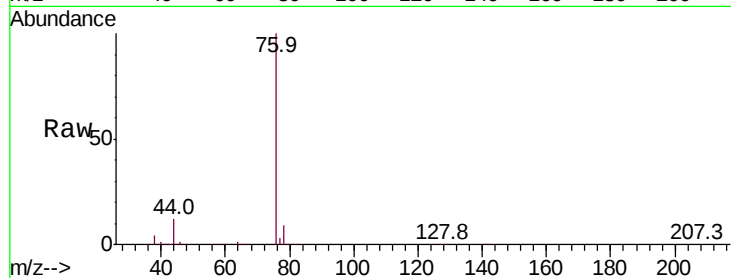
78 9.1 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 48.486 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008059.D

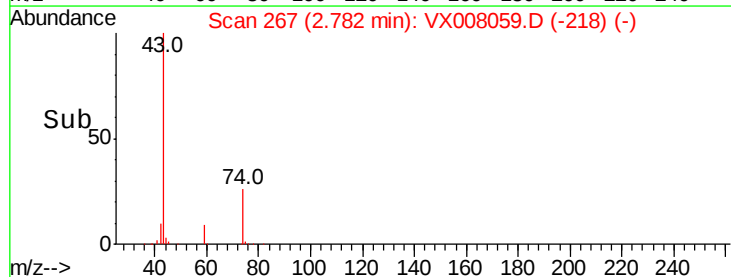
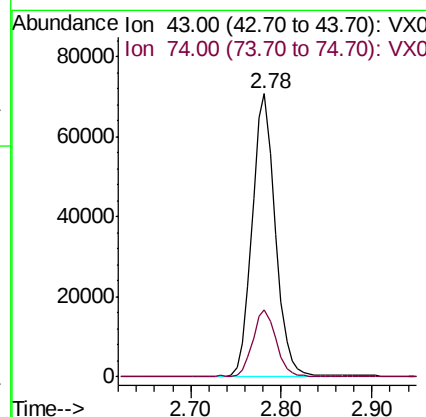
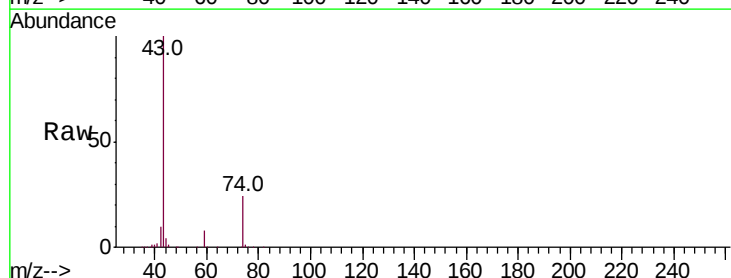
Acq: 13 Mar 2019 19:42

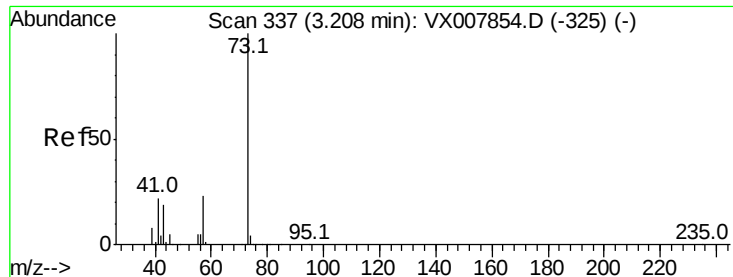
Tgt Ion: 43 Resp: 125351

Ion Ratio Lower Upper

43 100

74 24.4 17.8 26.6





#19

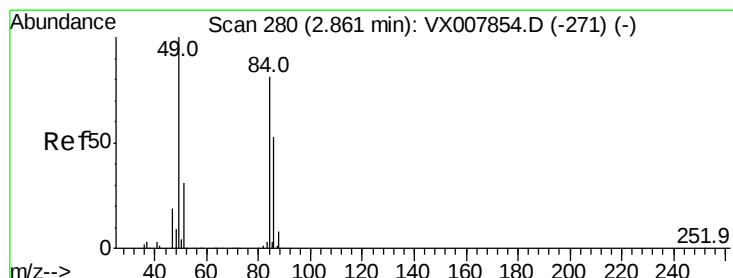
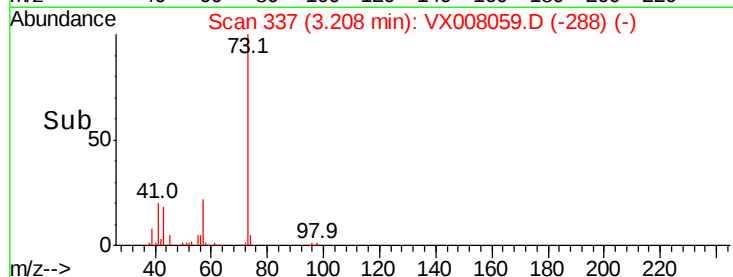
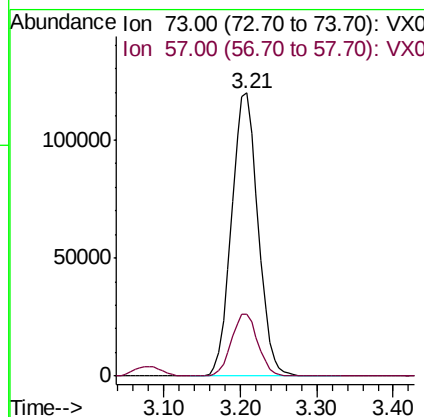
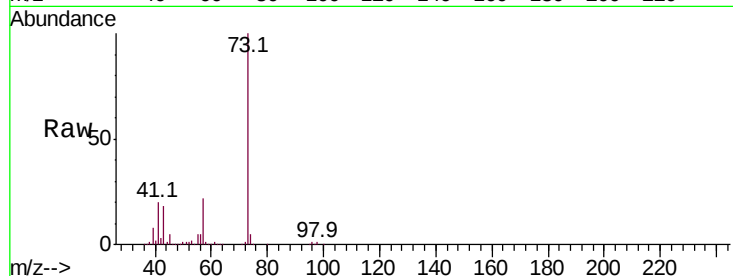
Methyl tert-butyl Ether
 Concen: 49.144 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.2	27.4

Manual Integrations
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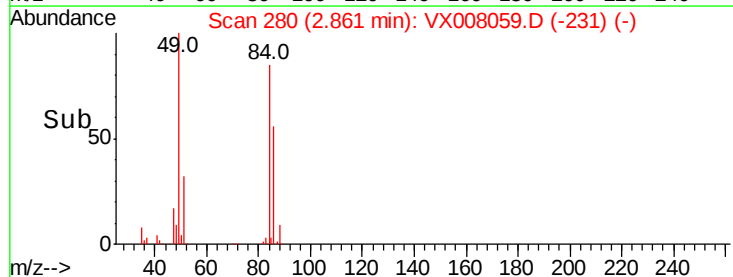
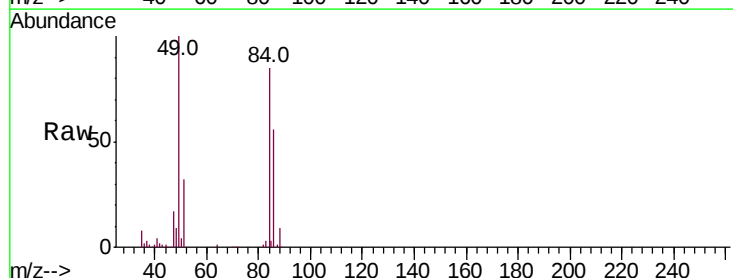
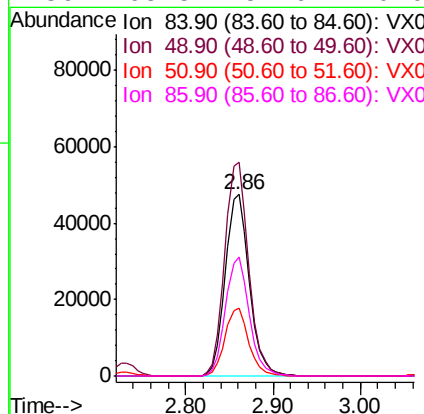
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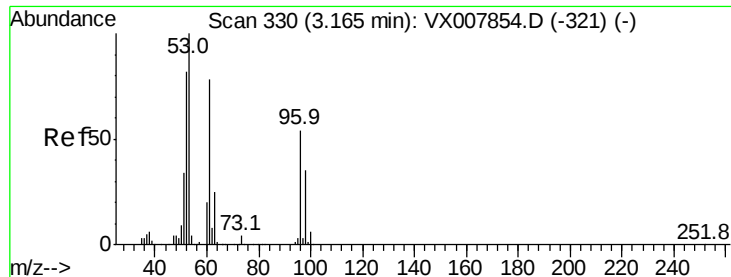


#20

Methylene Chloride
 Concen: 46.793 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.7	99.3	148.9
51	37.1	31.3	46.9
86	65.5	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 46.351 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

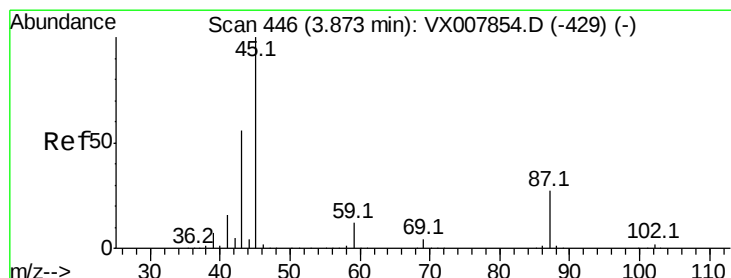
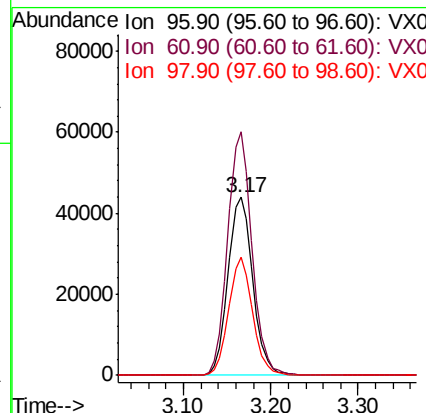
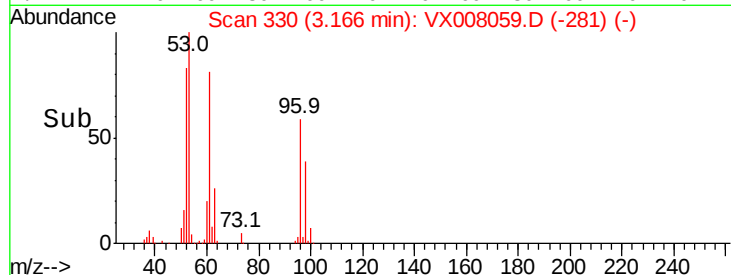
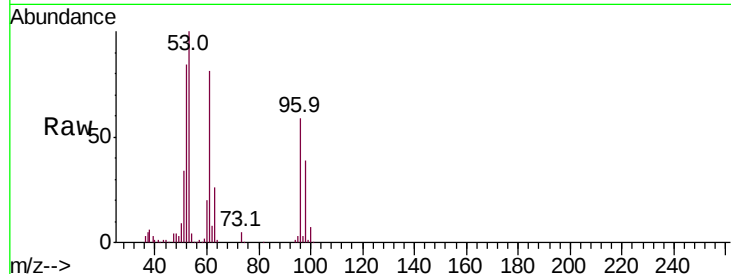
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	86482
Ion Ratio	Lower	Upper	
96	100		
61	136.6	114.4	171.6
98	66.0	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.150 ug/l

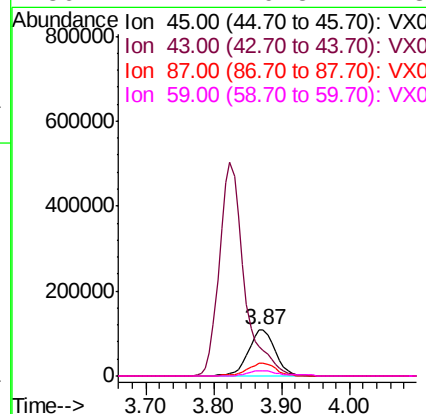
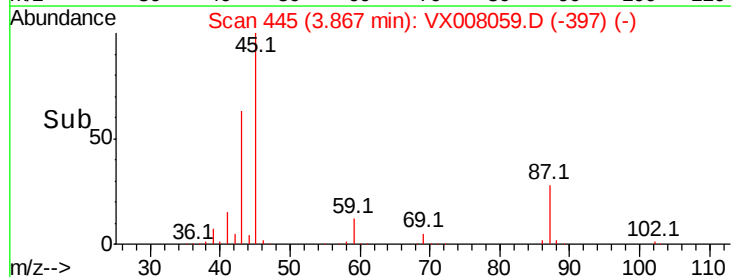
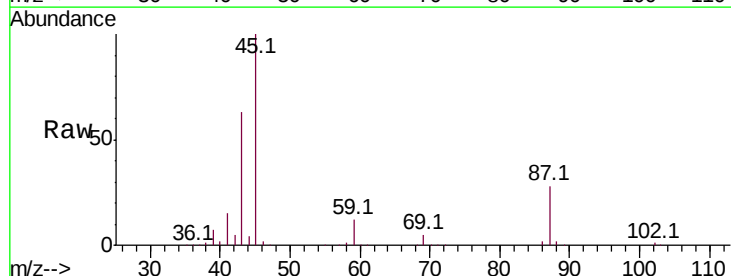
RT: 3.87 min Scan# 445

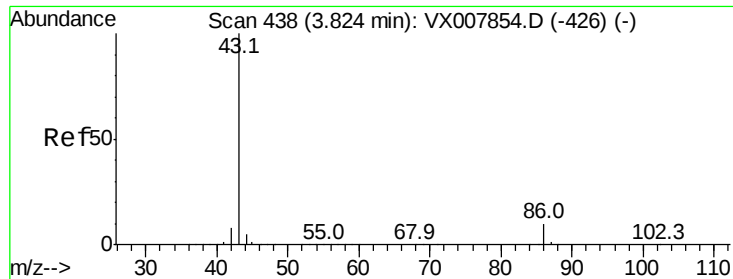
Delta R.T. -0.01 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	45	Resp:	301438
Ion Ratio	Lower	Upper	
45	100		
43	62.4	45.3	67.9
87	27.5	21.4	32.0
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 224.090 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1283550

Ion Ratio Lower Upper

43 100

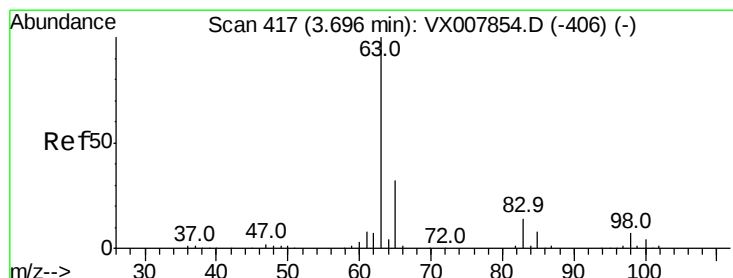
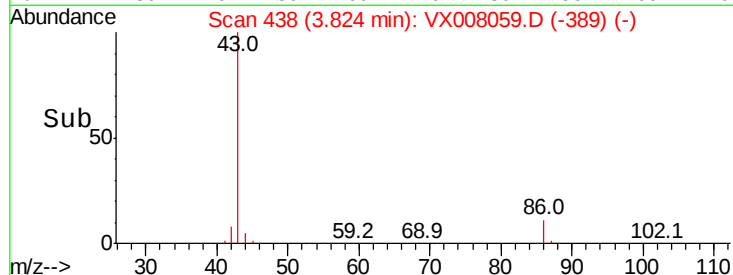
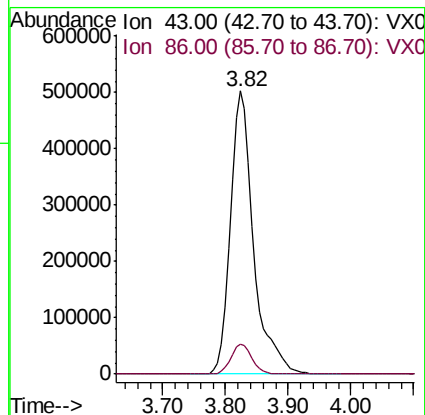
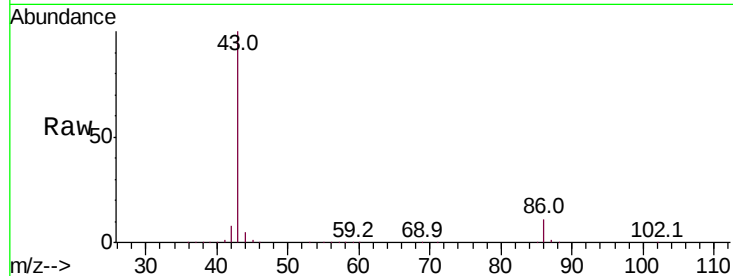
86 10.6 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 47.252 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

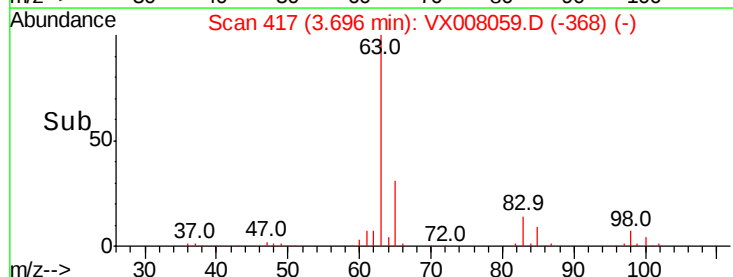
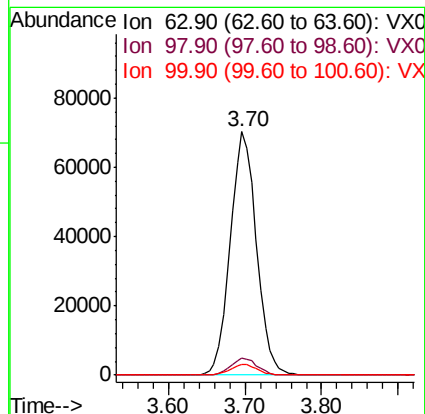
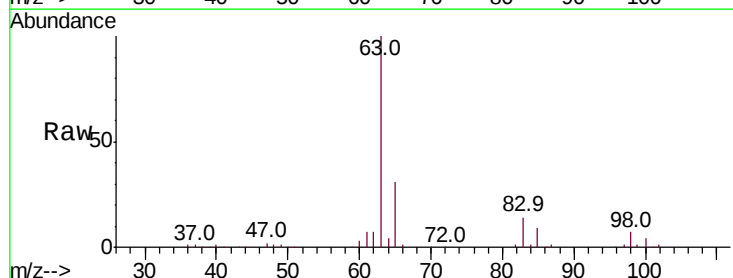
Tgt Ion: 63 Resp: 166094

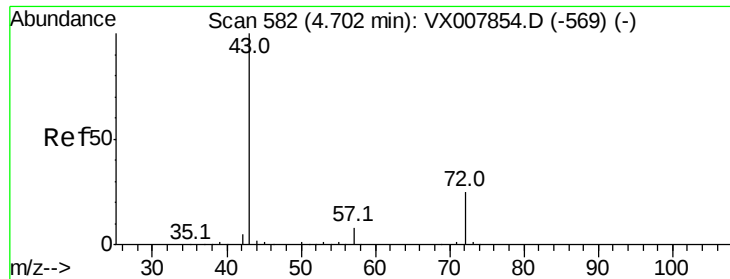
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 217.617 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 374921

Ion Ratio Lower Upper

43 100

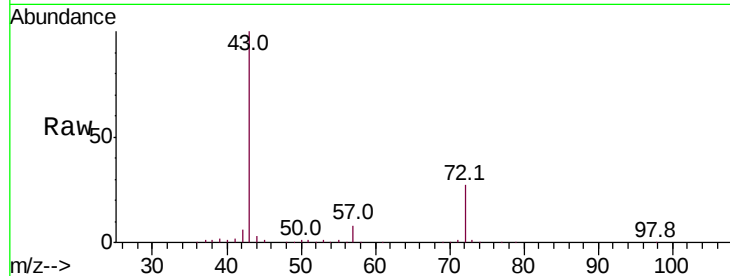
72 26.9 19.9 29.9

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

150000

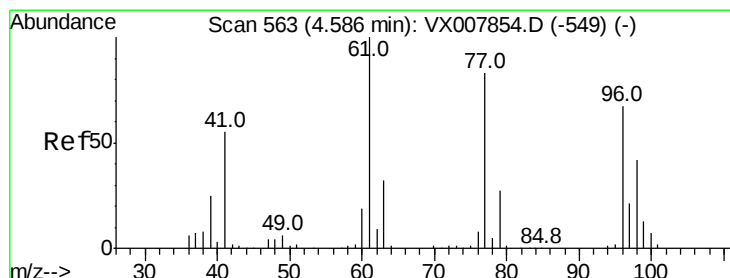
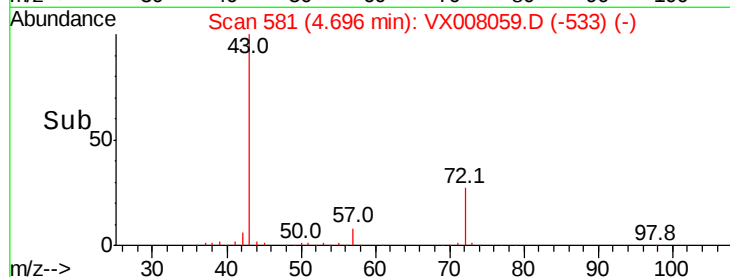
4.70

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.228 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008059.D

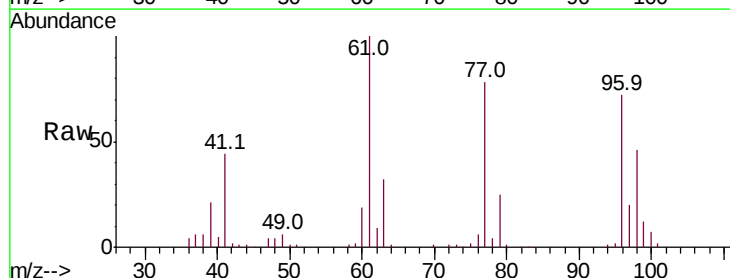
Acq: 13 Mar 2019 19:42

Tgt Ion: 77 Resp: 102995

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

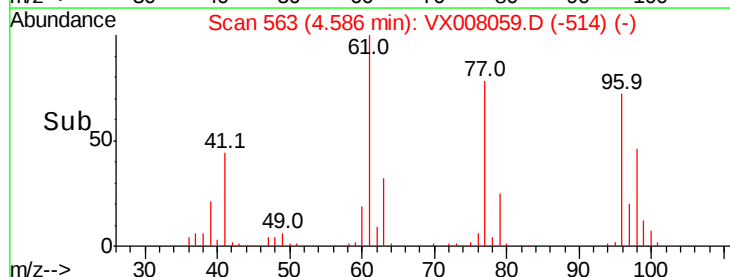
4.59

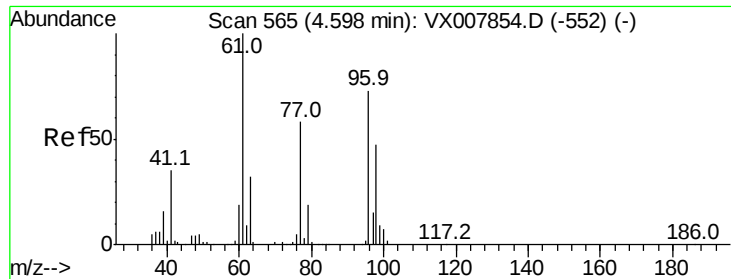
20000

10000

0

Time-->





#27

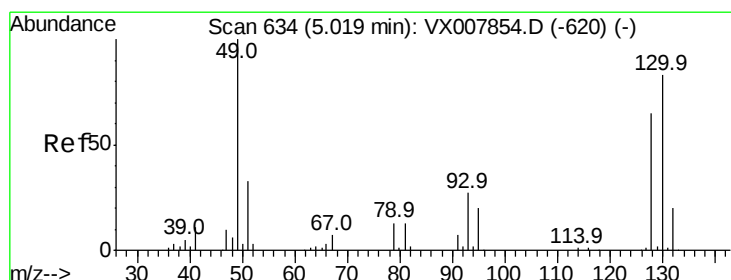
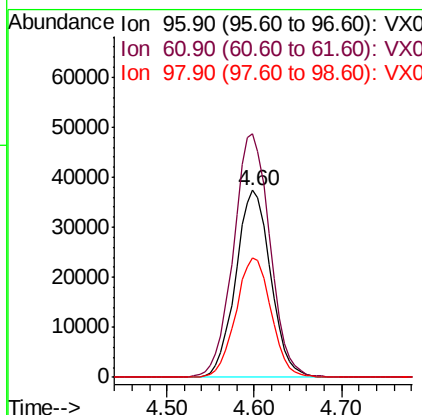
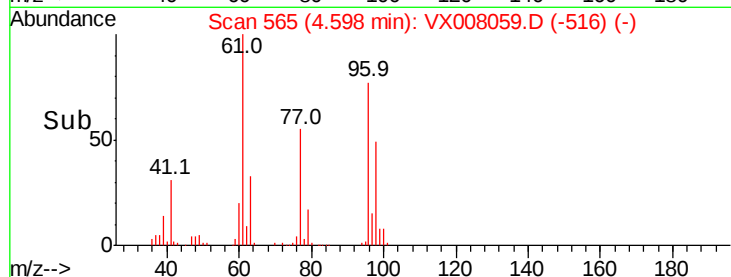
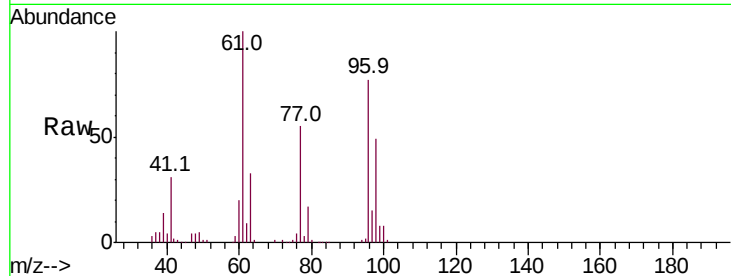
cis-1,2-Dichloroethene
Concen: 48.712 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.0	0.0	288.0	
98	64.4	0.0	129.0	

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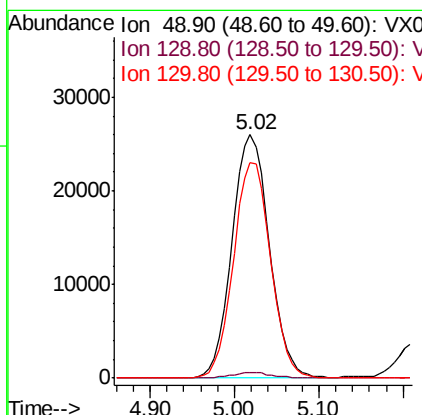
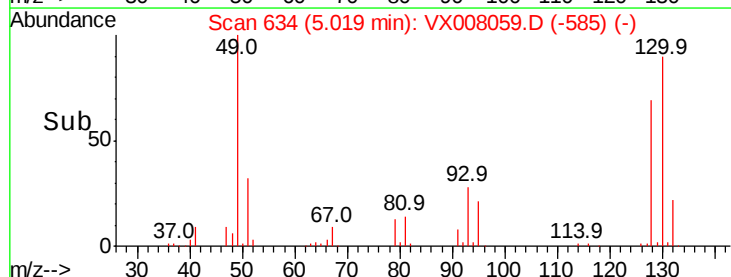
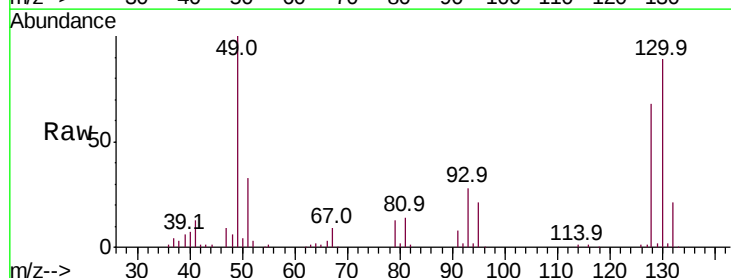
MMDadoda
3/14/2019 10:18:06 AM

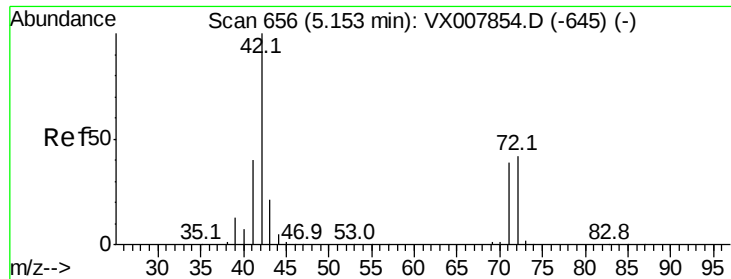


#28

Bromochloromethane
Concen: 47.750 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.0	
130	87.8	65.0	97.4	





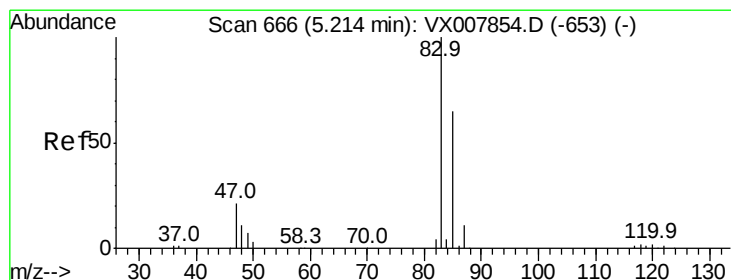
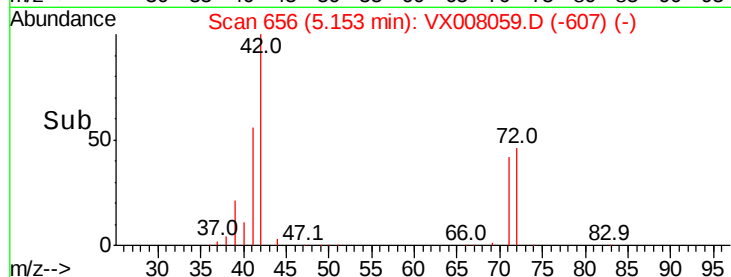
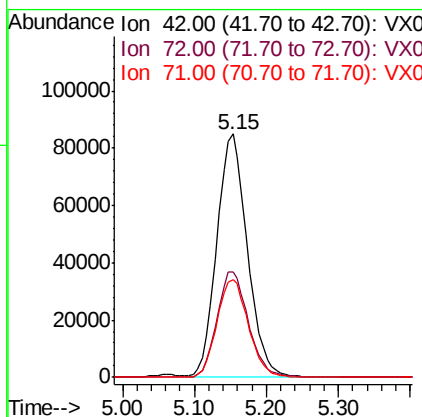
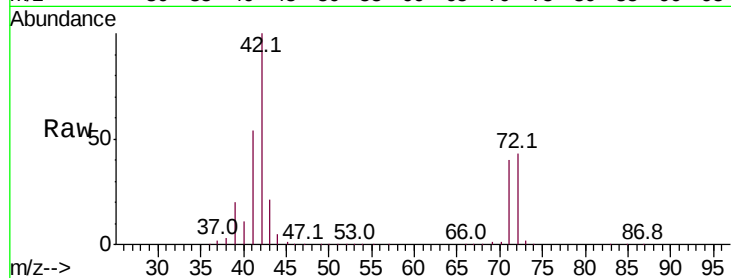
#29
Tetrahydrofuran
Concen: 232.255 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	33.8	50.6
71	41.5	31.5	47.3

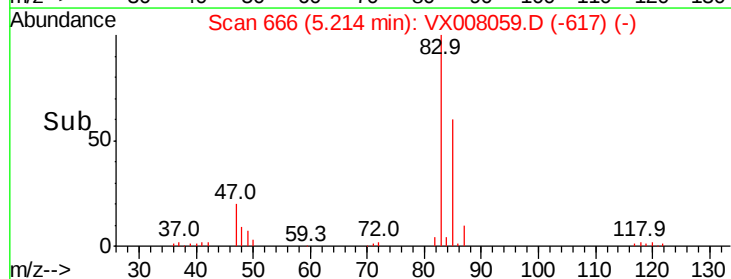
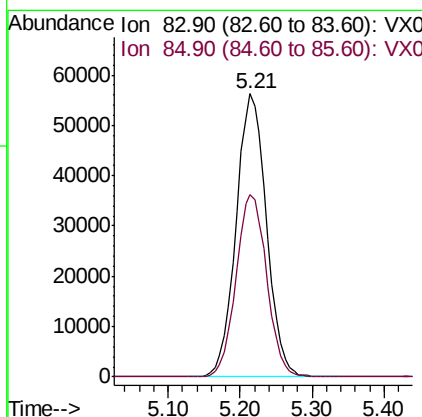
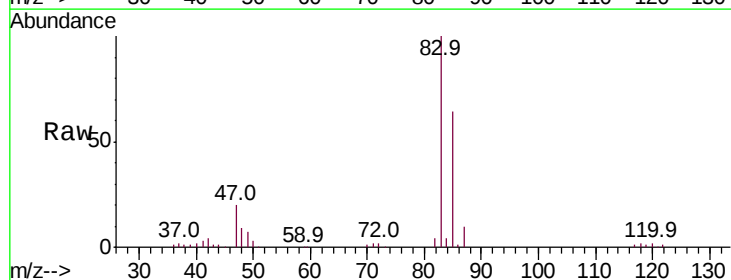
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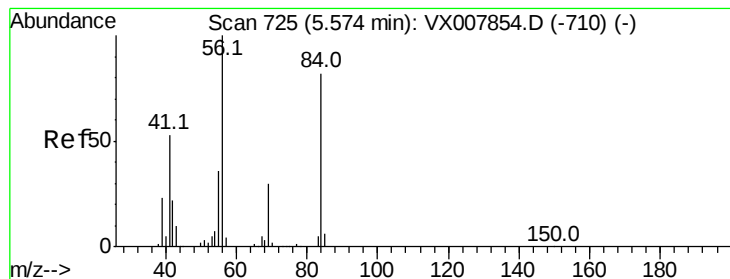
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#30
Chloroform
Concen: 49.463 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





#31

Cyclohexane

Concen: 46.563 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 150423

Ion Ratio Lower Upper

56 100

69 30.7 24.0 36.0

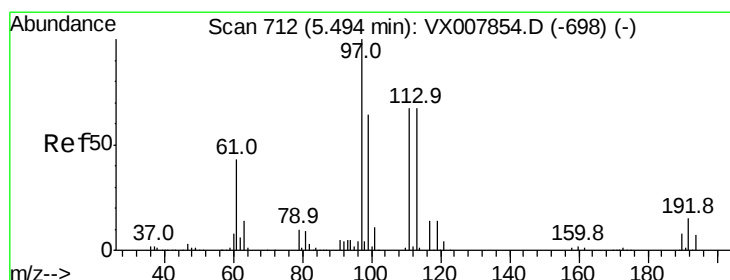
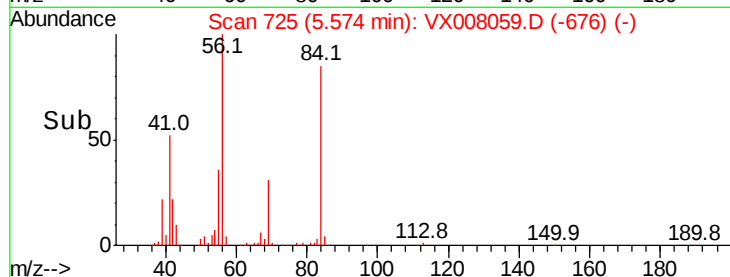
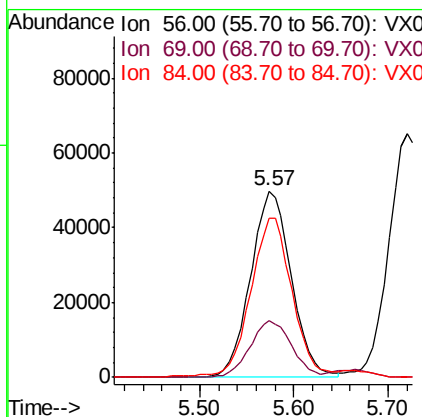
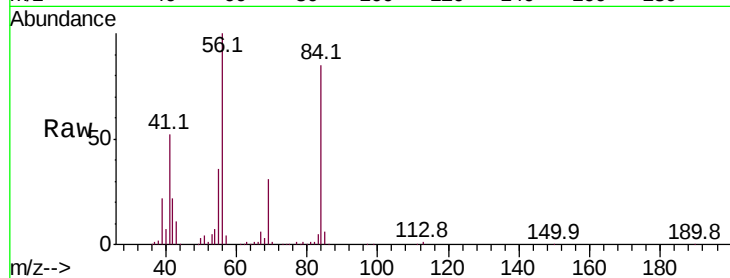
84 84.1 65.3 97.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.433 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

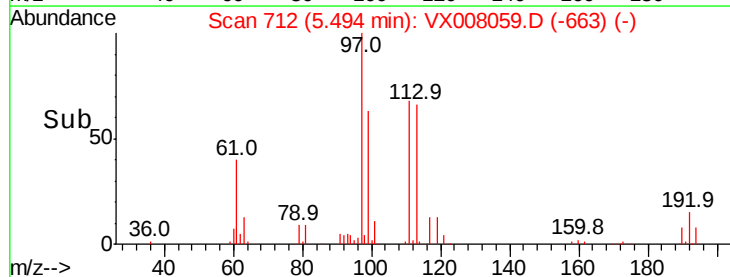
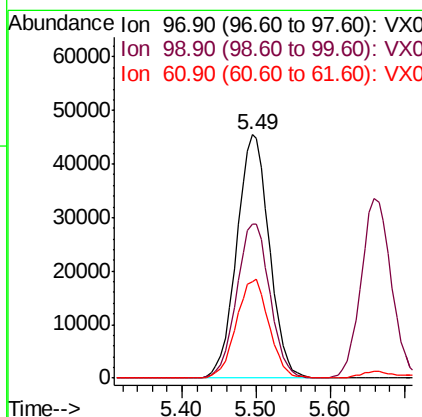
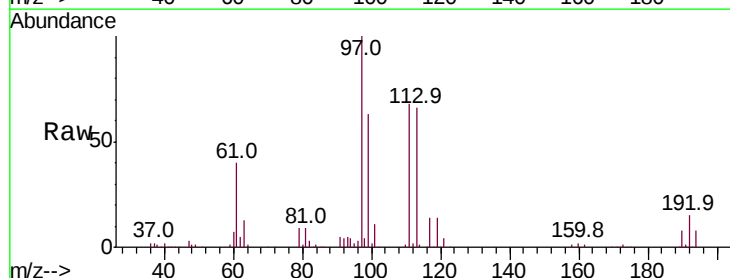
Tgt Ion: 97 Resp: 139132

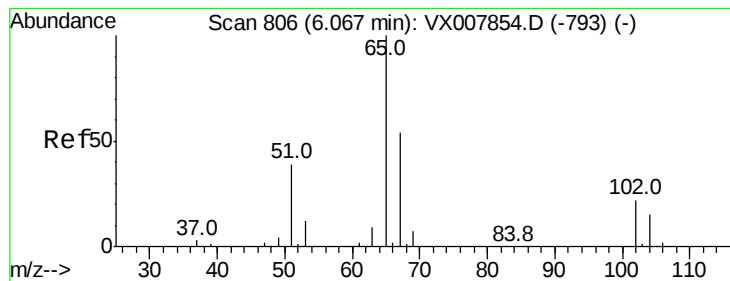
Ion Ratio Lower Upper

97 100

99 64.9 52.2 78.2

61 41.0 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 48.229 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tot Ion: 65 Resp: 101400

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.0

Instrument :

MSVOA_X

ClientSampleId :

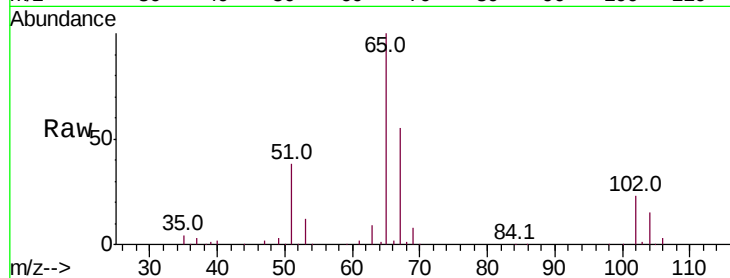
VSTDCCC050EC

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

40000

30000

20000

10000

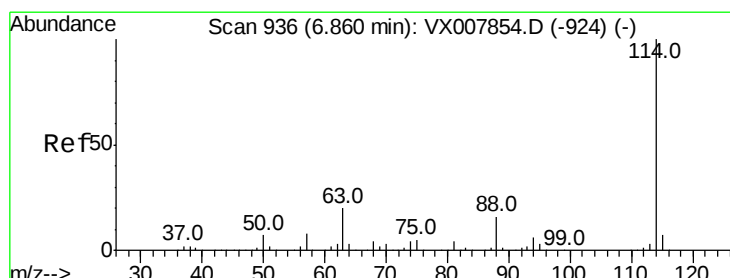
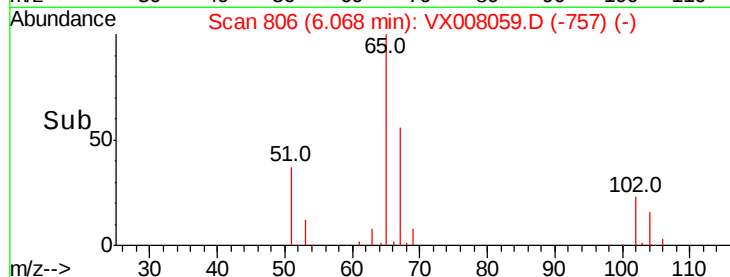
0

6.07

6.10

6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

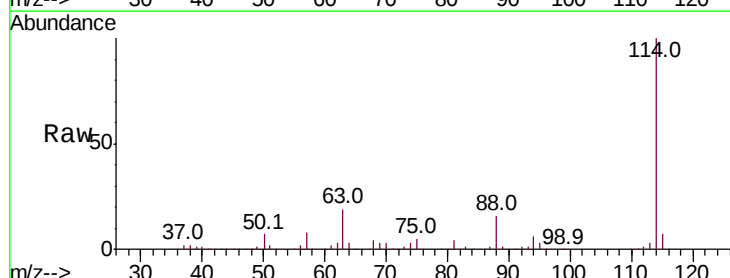
Tgt Ion:114 Resp: 296691

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.8

88 15.9 0.0 31.4



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

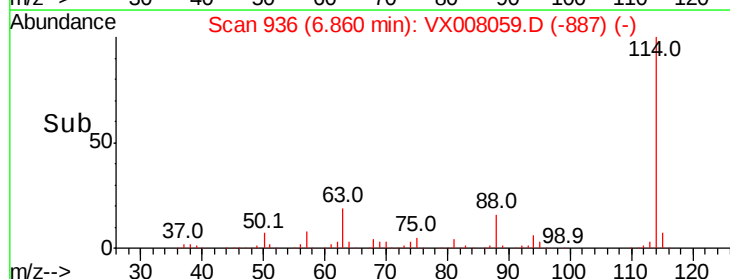
0

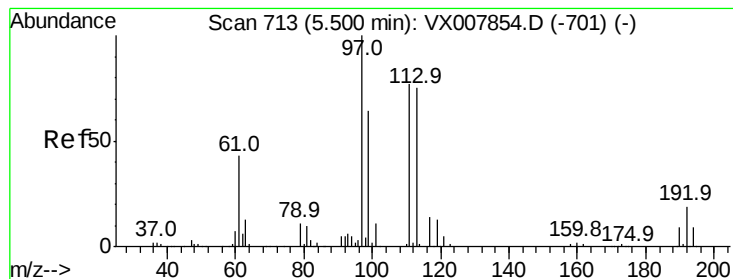
6.86

6.90

7.00

Time-->





#35

Dibromofluoromethane

Concen: 49.136 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

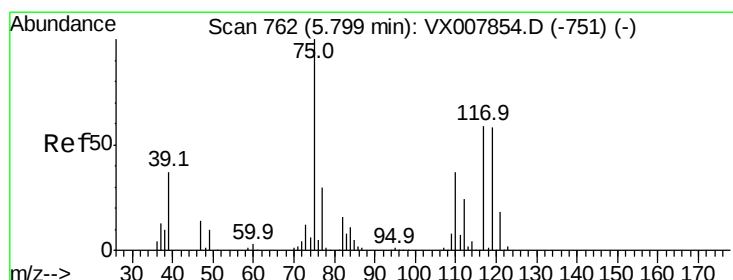
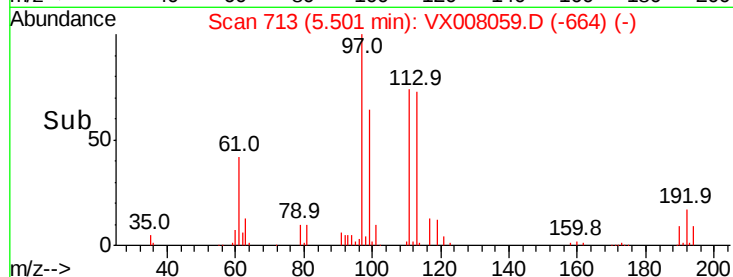
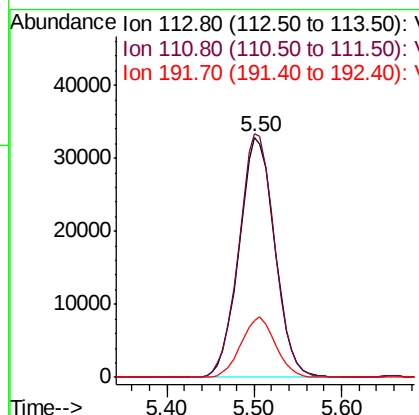
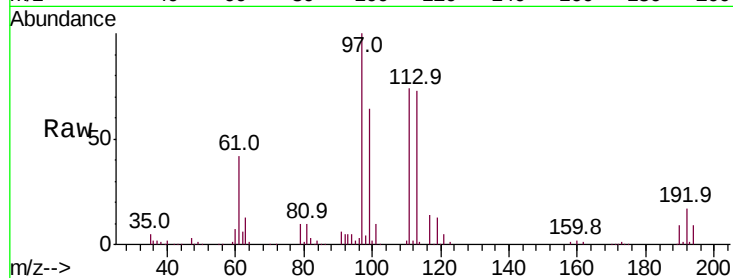
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	93252
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	24.3	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 46.191 ug/l

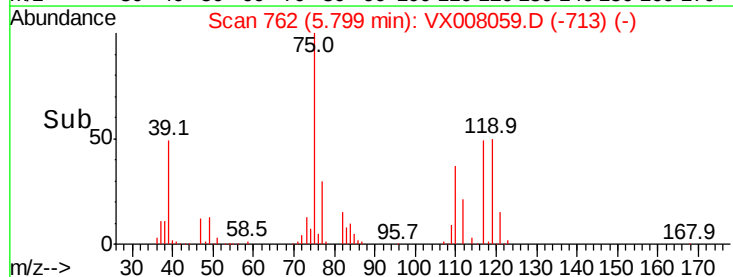
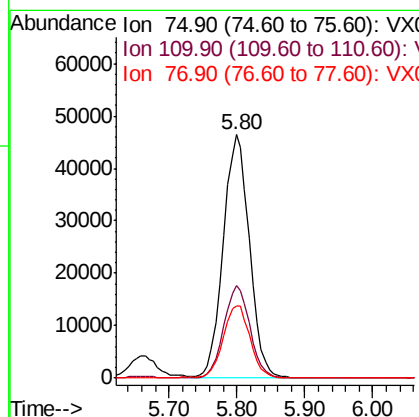
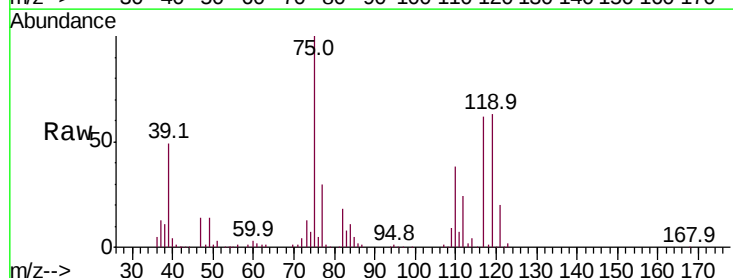
RT: 5.80 min Scan# 762

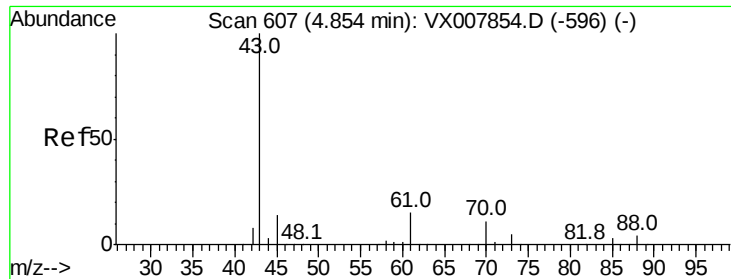
Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	75	Resp:	124090
Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.4	55.0
77	30.5	25.0	37.4





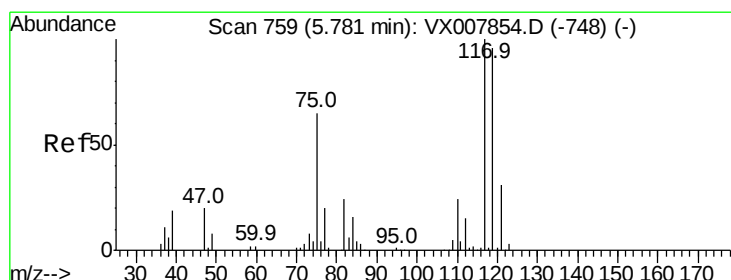
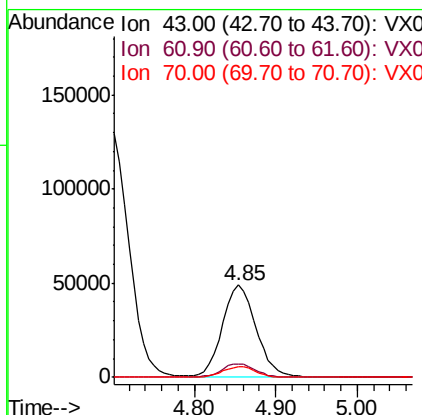
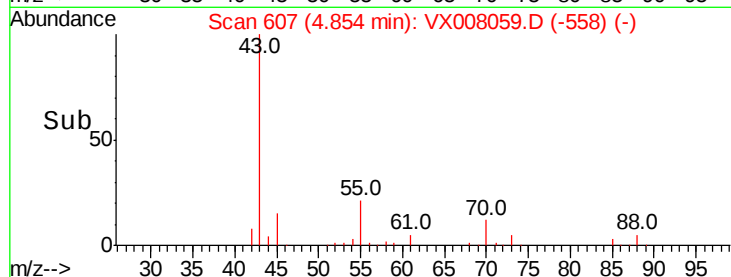
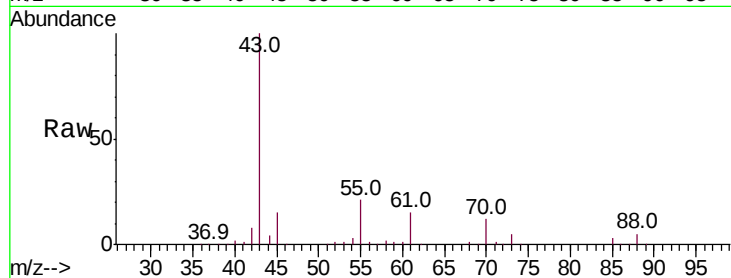
#37
Ethyl Acetate
Concen: 43.871 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	139861
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.3	16.9
70	11.4	8.5	12.7

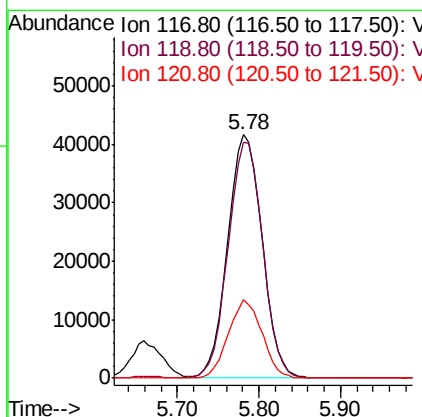
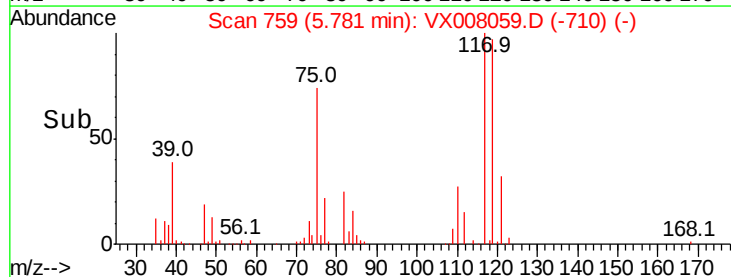
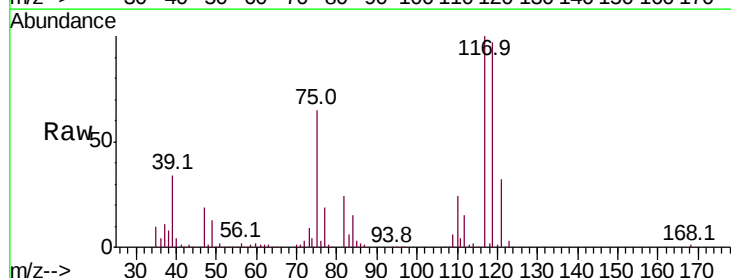
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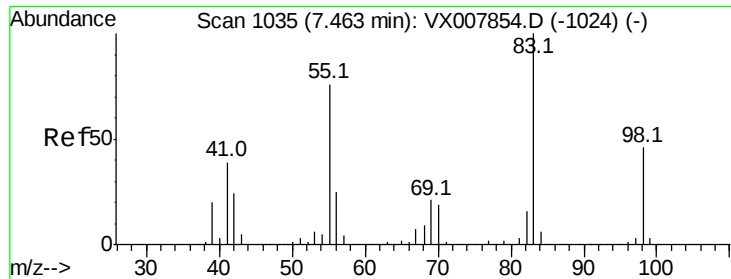
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#38
Carbon Tetrachloride
Concen: 47.833 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion:	117	Resp:	121995
Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.2	114.2
121	32.2	24.6	36.8





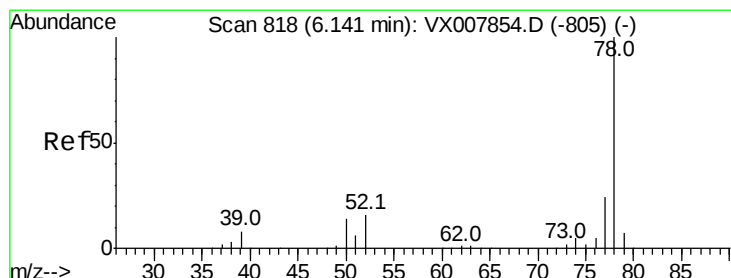
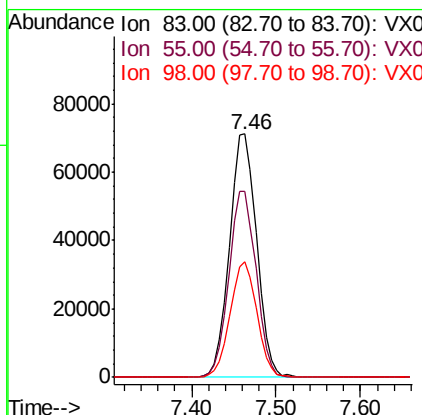
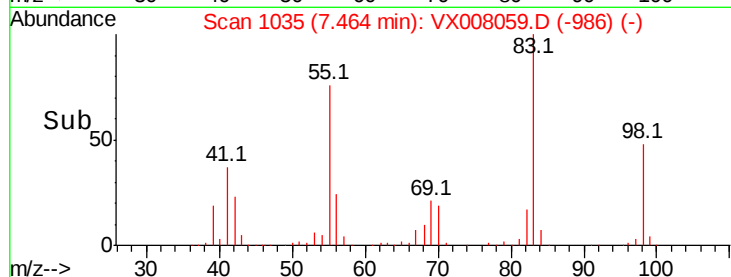
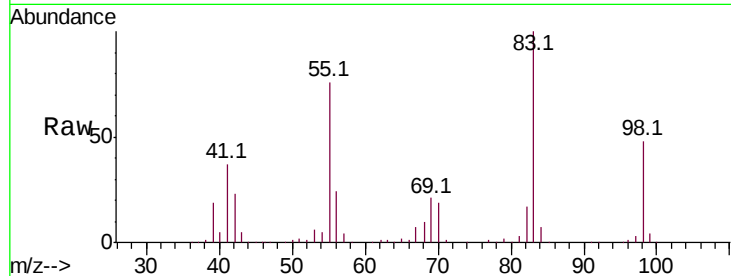
#39
Methvlcvclohexane
Concen: 47.719 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	60.4	90.6
98	47.7	36.5	54.7

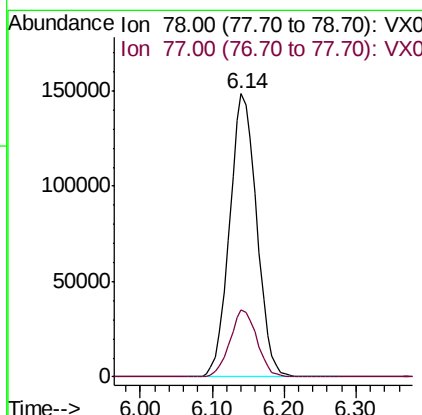
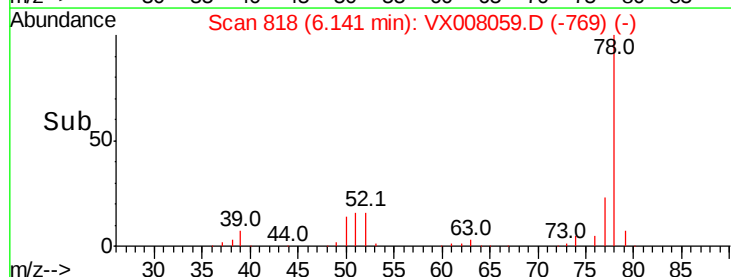
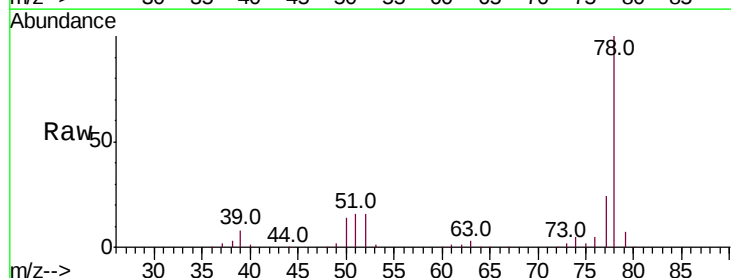
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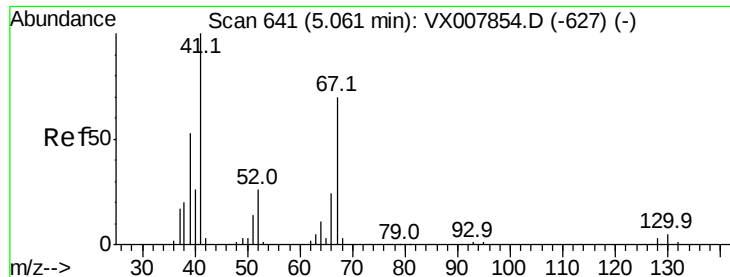
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#40
Benzene
Concen: 48.526 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





#41

Methacrylonitrile

Concen: 46.621 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 81033

Ion Ratio Lower Upper

41 100

39 52.4 41.6 62.4

67 72.2 55.8 83.6

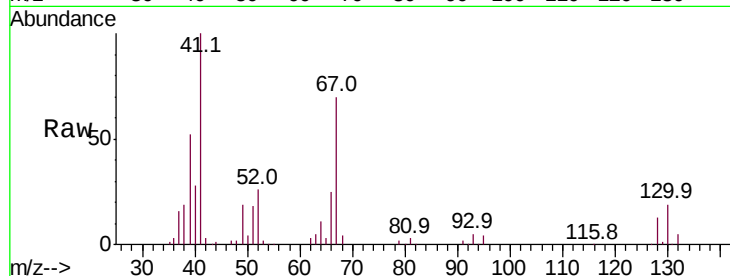
52 27.3 21.7 32.5

Manual Integrations

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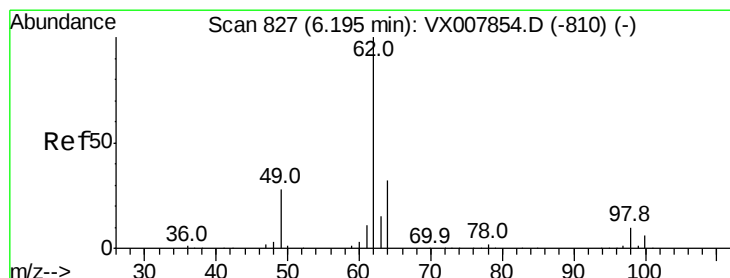
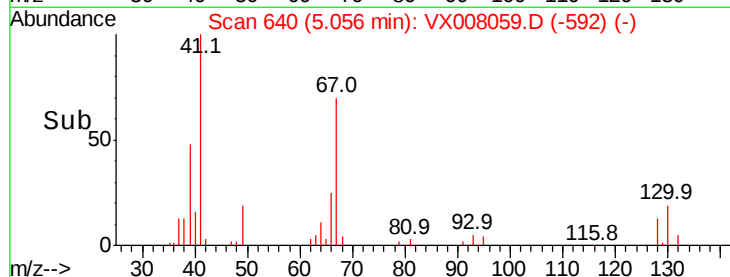
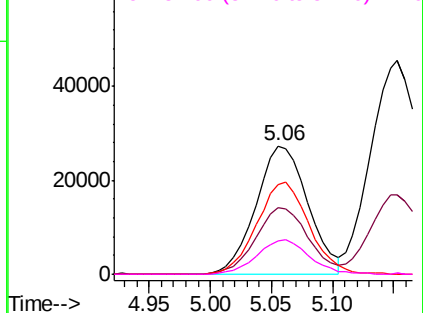


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.709 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX008059.D

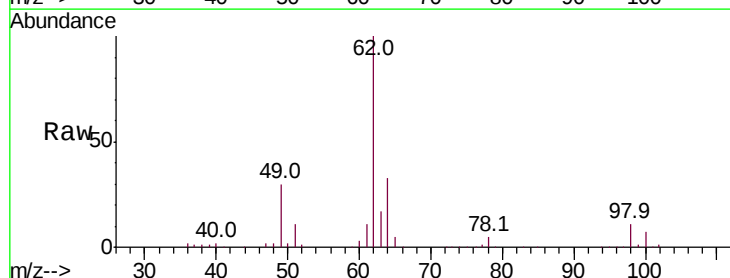
Acq: 13 Mar 2019 19:42

Tgt Ion: 62 Resp: 124785

Ion Ratio Lower Upper

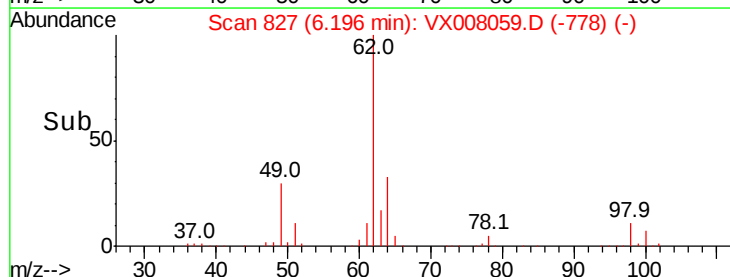
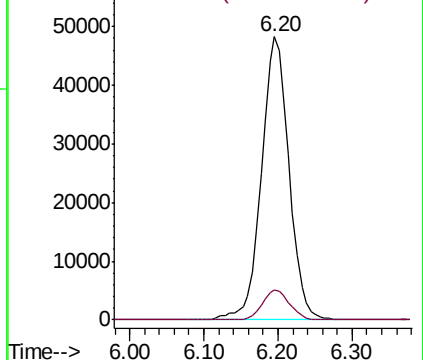
62 100

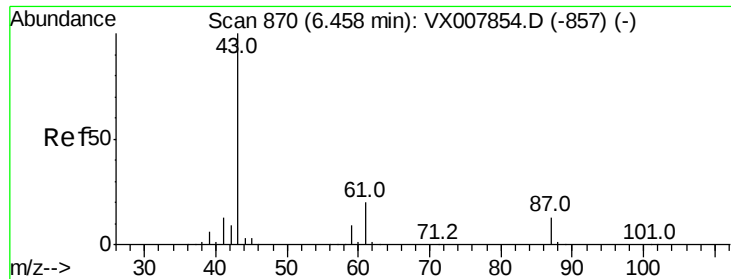
98 10.5 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

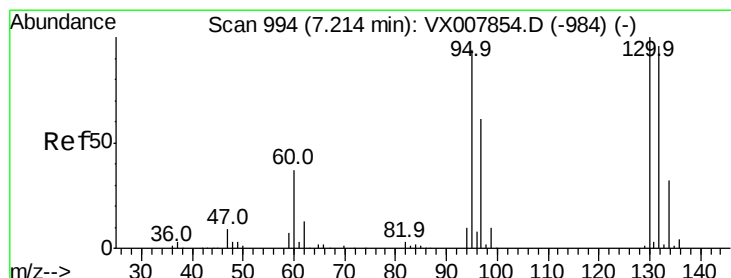
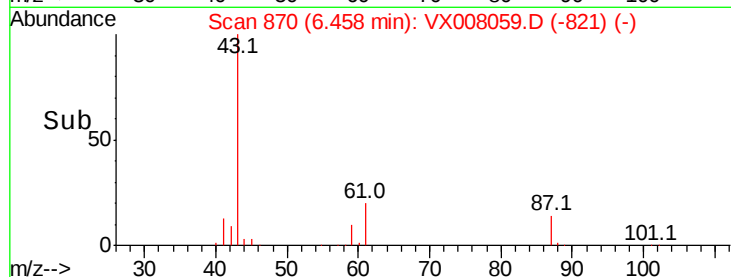
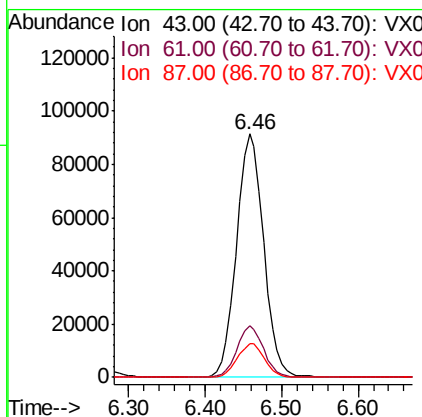
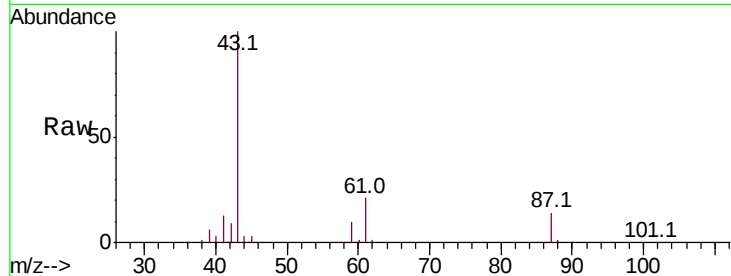
Isopropyl Acetate
 Concen: 47.500 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.3	24.5
87	14.0	10.5	15.7

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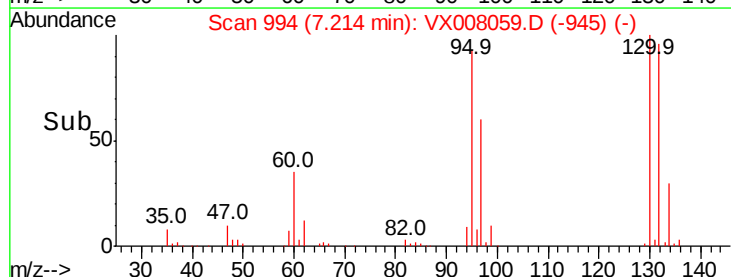
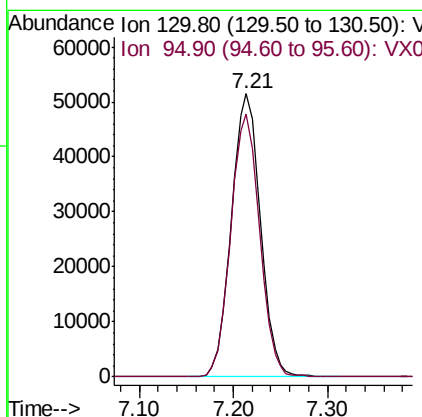
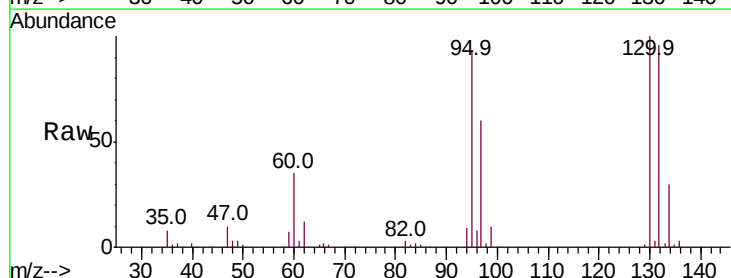
MMDadoda
 3/14/2019 10:18:06 AM

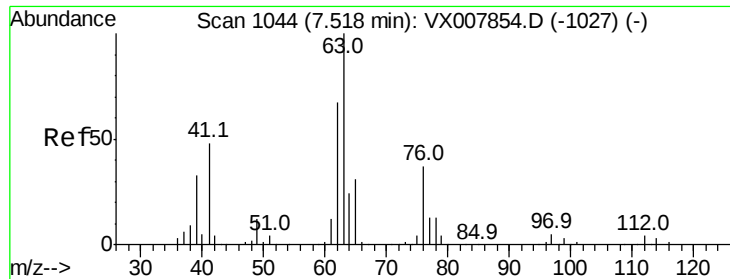


#44

Trichloroethene
 Concen: 49.915 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	188.0





#45

1,2-Dichloropropane

Concen: 49.674 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 104930

Ion Ratio Lower Upper

63 100

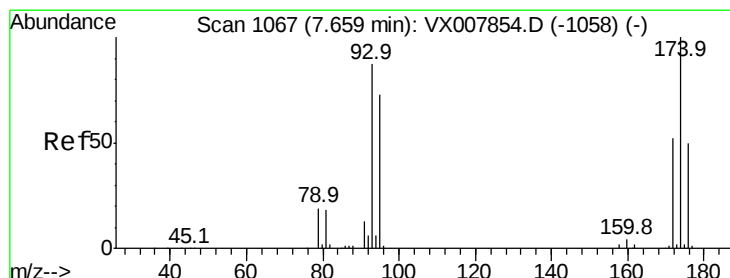
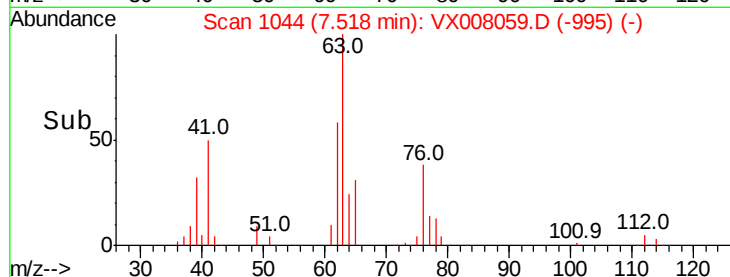
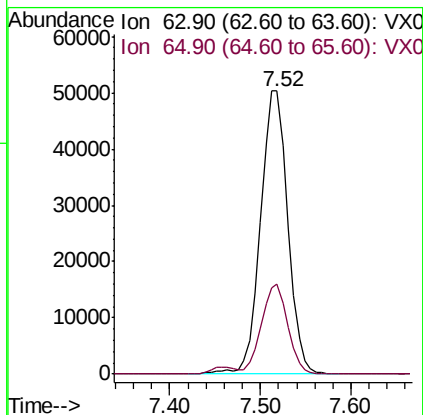
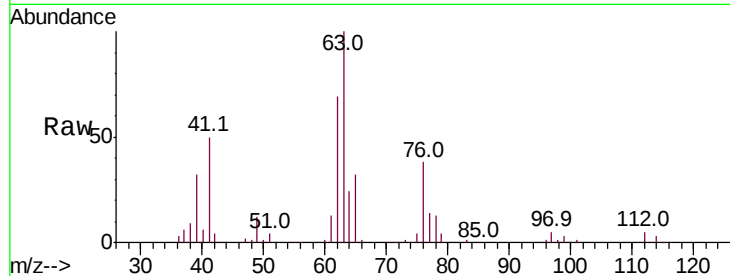
65 31.8 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 49.823 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

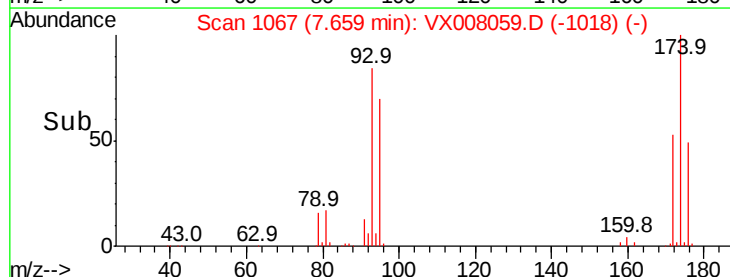
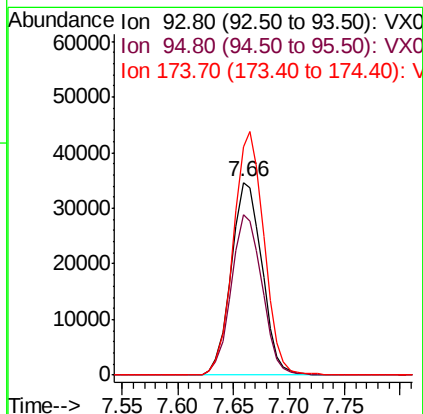
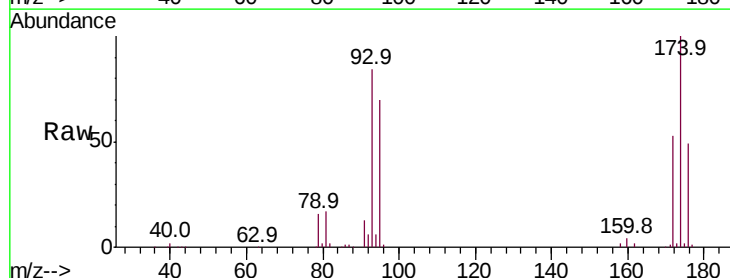
Tgt Ion: 93 Resp: 66604

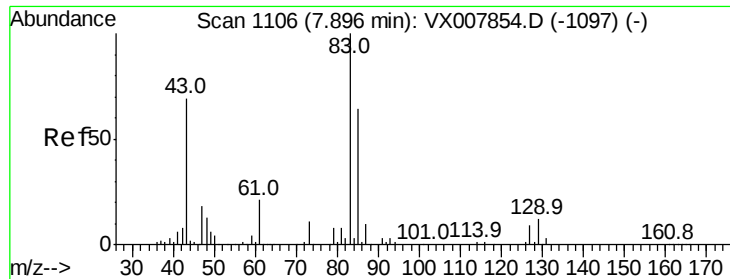
Ion Ratio Lower Upper

93 100

95 83.4 66.8 100.2

174 125.2 97.3 145.9





#47

Bromodichloromethane

Concen: 50.083 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

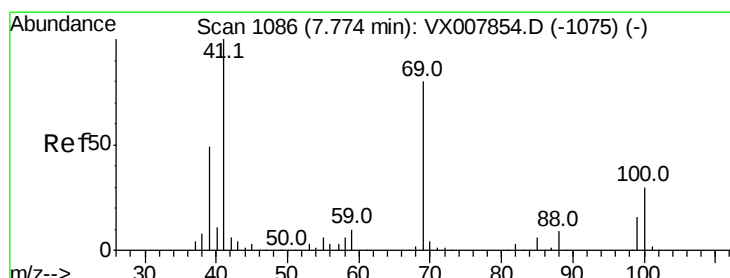
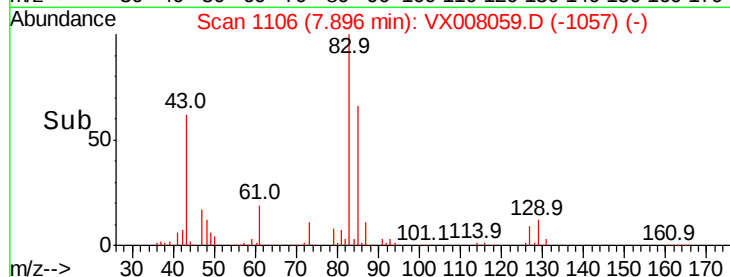
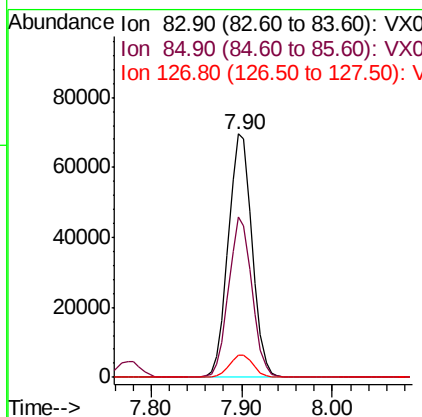
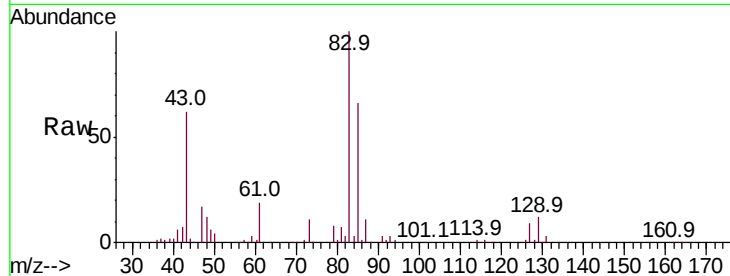
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	126938
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.9	76.3
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.222 ug/l

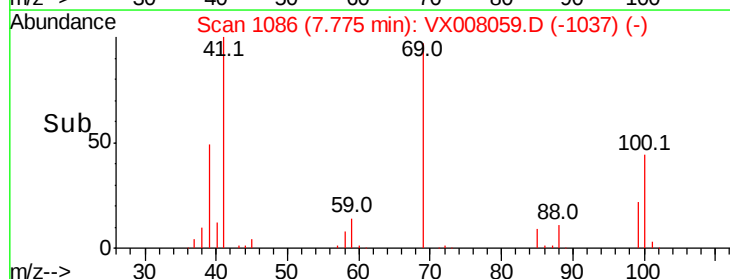
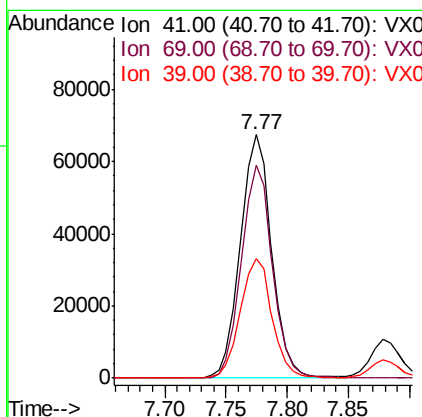
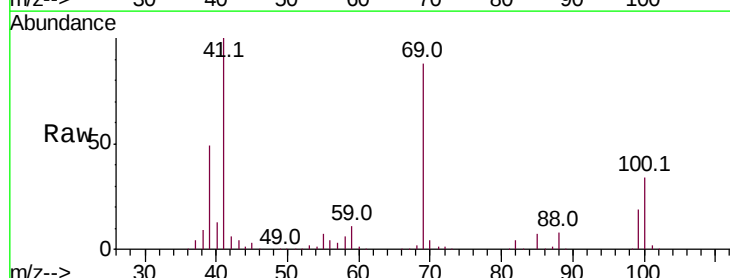
RT: 7.77 min Scan# 1086

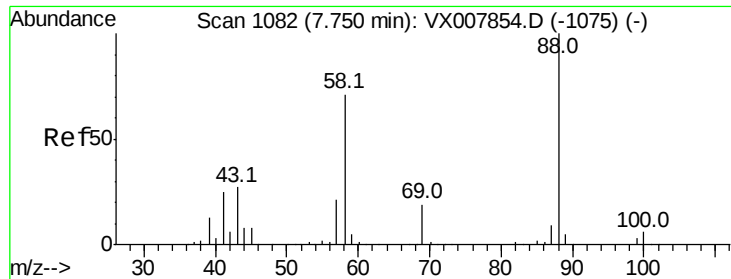
Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	41	Resp:	119619
Ion	Ratio	Lower	Upper
41	100		
69	86.9	65.2	97.8
39	49.8	39.4	59.2





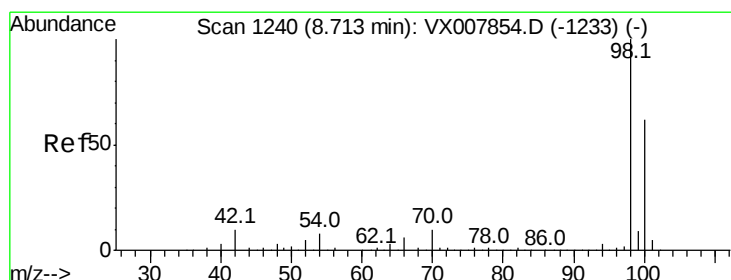
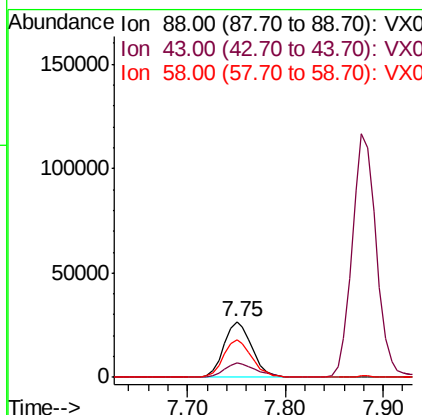
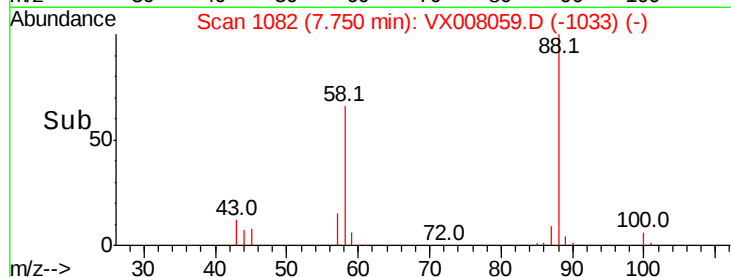
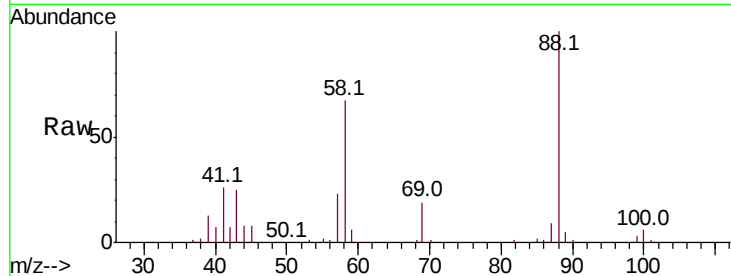
#49
 1,4-Dioxane
 Concen: 1031.509 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	88	Resp:	52563
Ion Ratio	Lower	Upper	
88	100		
43	30.3	25.1	37.7
58	68.9	57.8	86.6

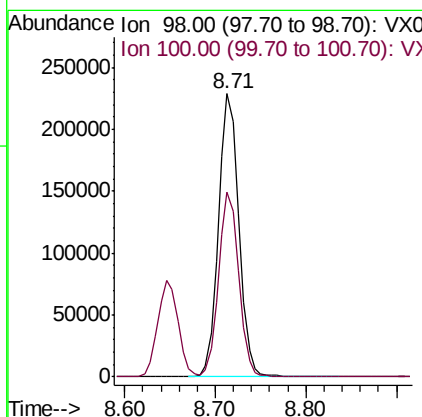
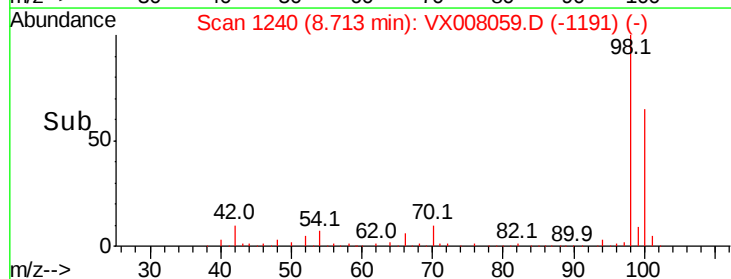
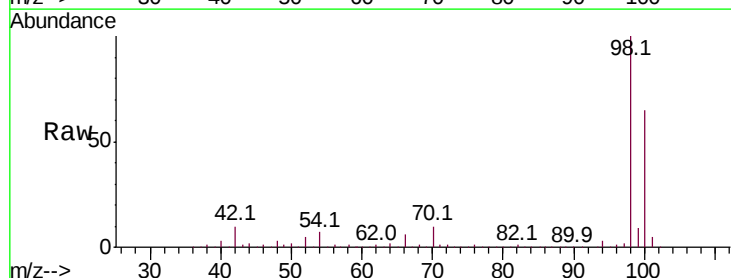
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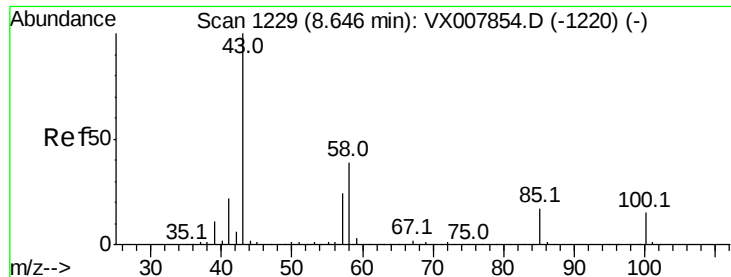
MMDadoda
 3/14/2019 10:18:06 AM



#50
 Toluene-d8
 Concen: 51.499 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Tgt Ion:	98	Resp:	358945
Ion Ratio	Lower	Upper	
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 248.556 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 754185

Ion Ratio Lower Upper

43 100

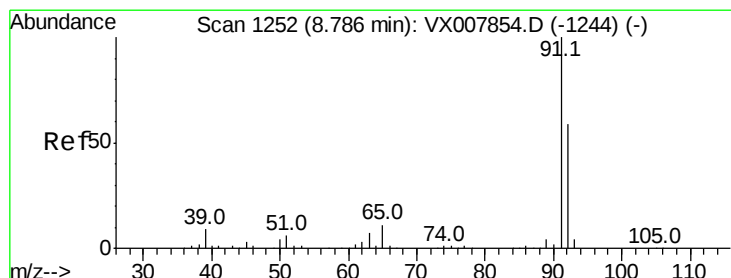
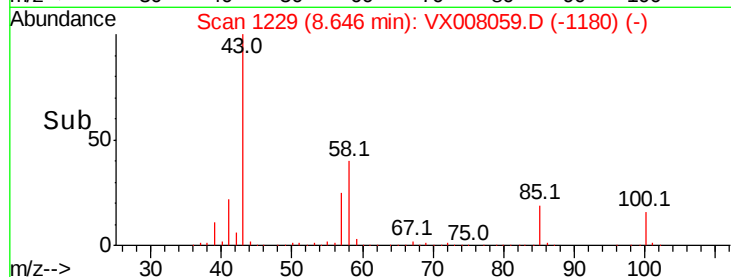
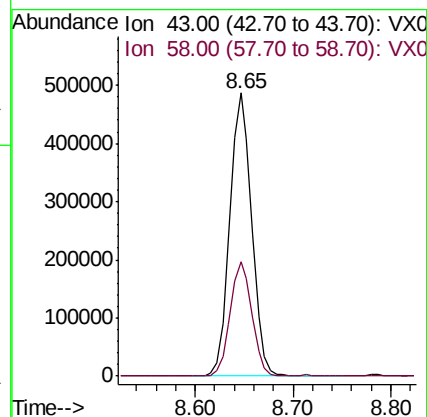
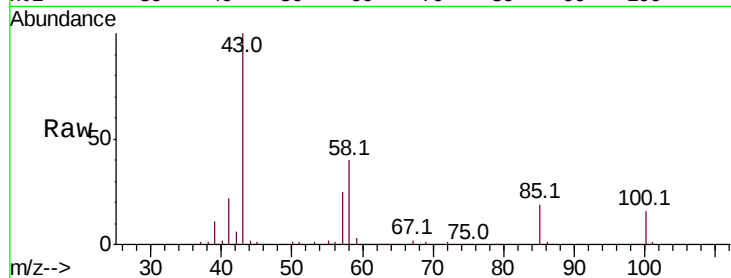
58 40.0 31.3 46.9

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#52

Toluene

Concen: 51.664 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008059.D

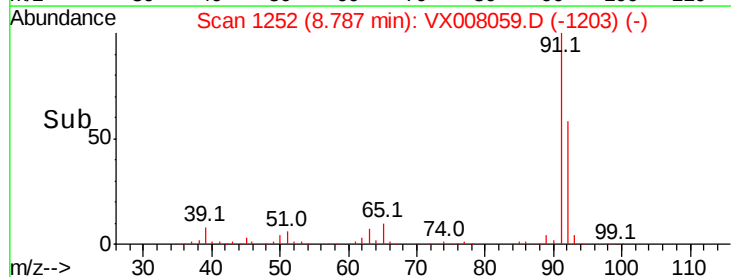
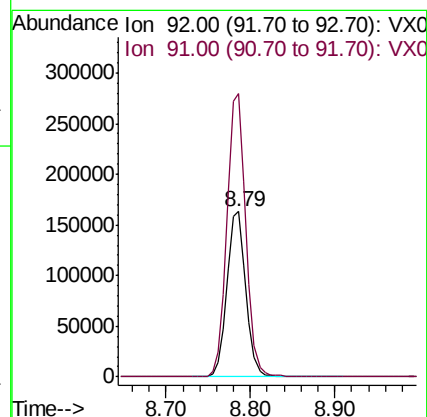
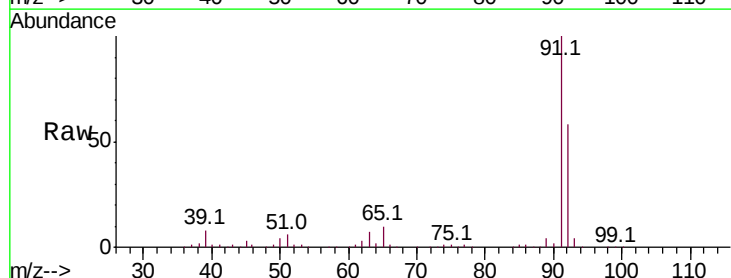
Acq: 13 Mar 2019 19:42

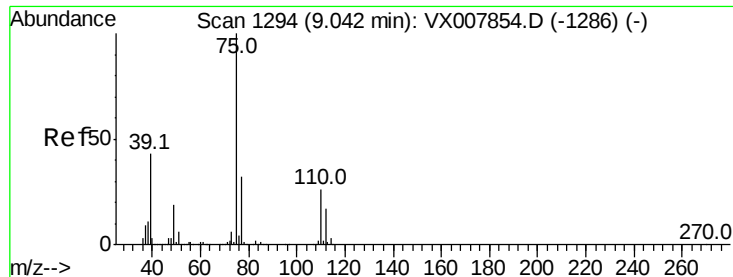
Tgt Ion: 92 Resp: 252268

Ion Ratio Lower Upper

92 100

91 171.9 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 53.887 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 142552

Ion Ratio Lower Upper

75 100

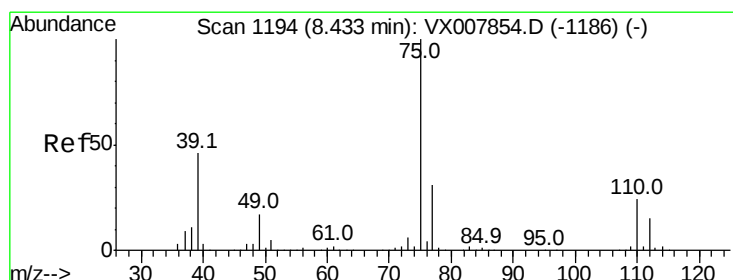
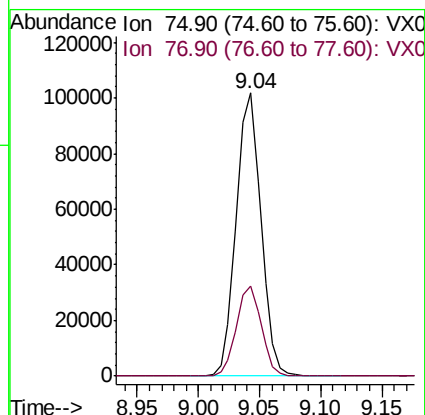
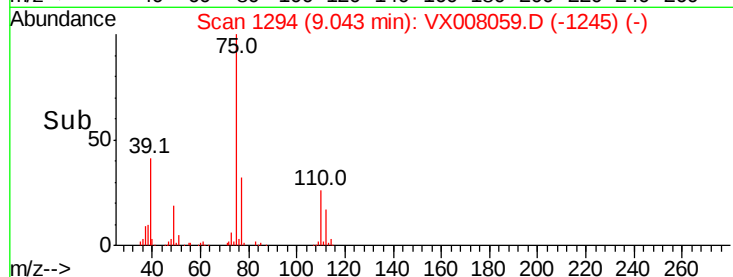
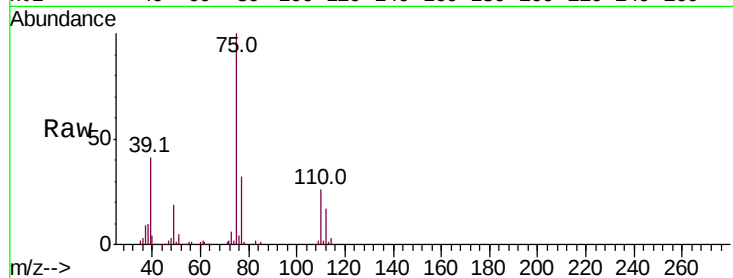
77 31.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.359 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

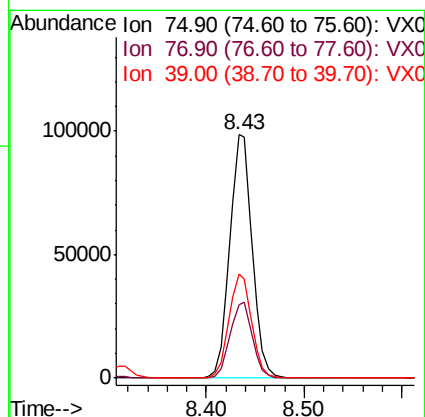
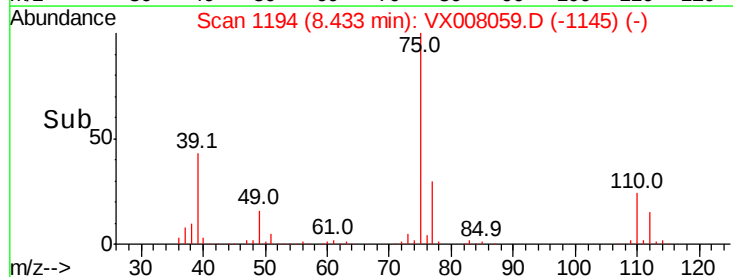
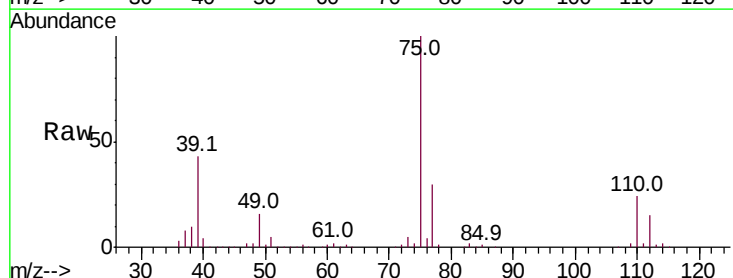
Tgt Ion: 75 Resp: 156413

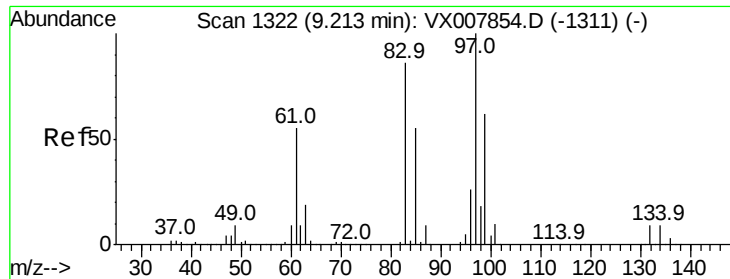
Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.6

39 42.7 36.6 54.8





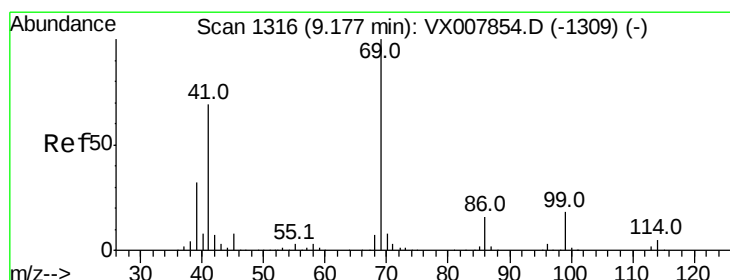
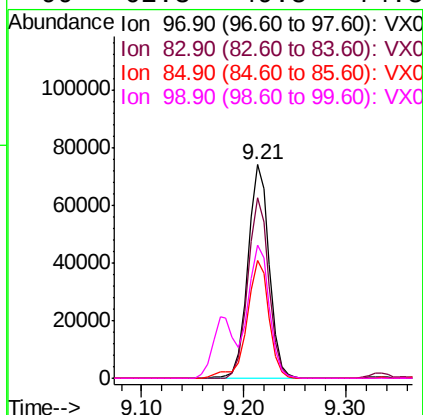
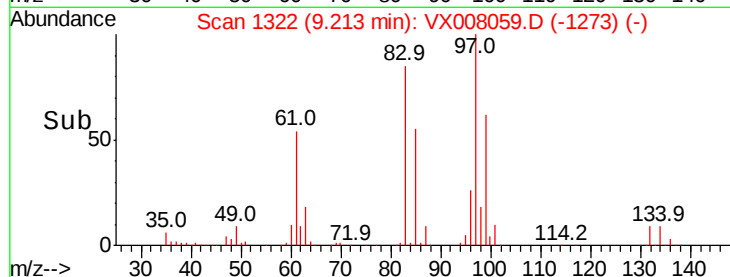
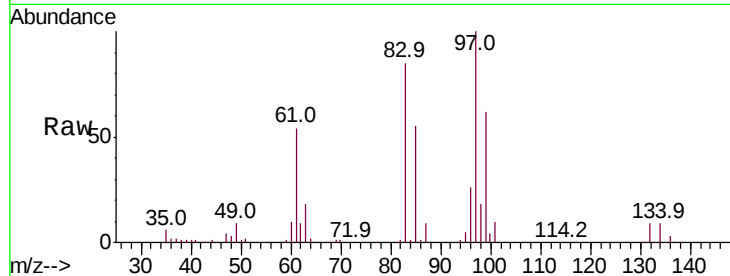
#55
1,1,2-Trichloroethane
Concen: 54.483 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.1	103.7
85	54.9	44.3	66.5
99	62.3	49.8	74.8

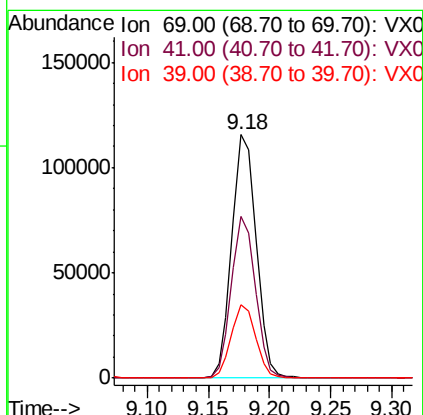
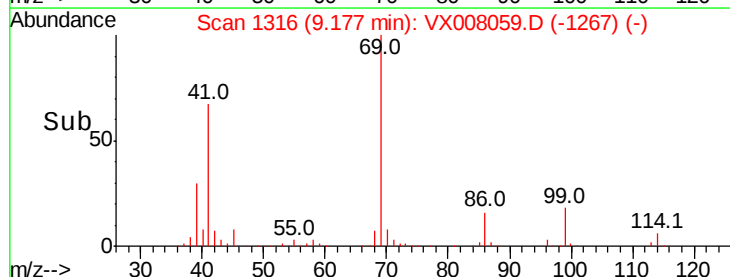
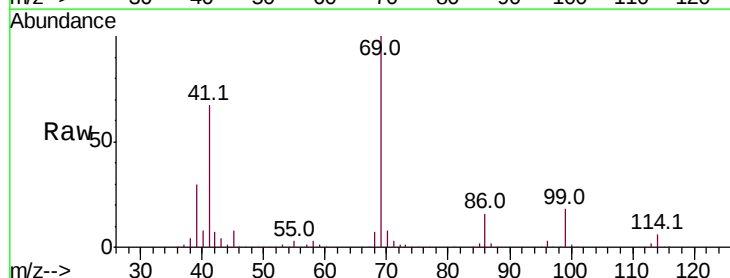
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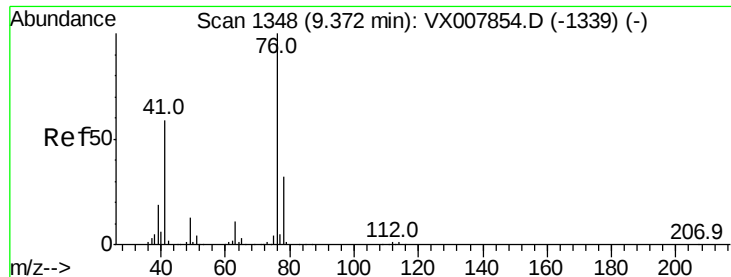
MMDadoda
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#56
Ethyl methacrylate
Concen: 54.049 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.3	54.2	81.4
39	30.0	25.0	37.4





#57

1,3-Dichloropropane

Concen: 53.584 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 177840

Ion Ratio Lower Upper

76 100

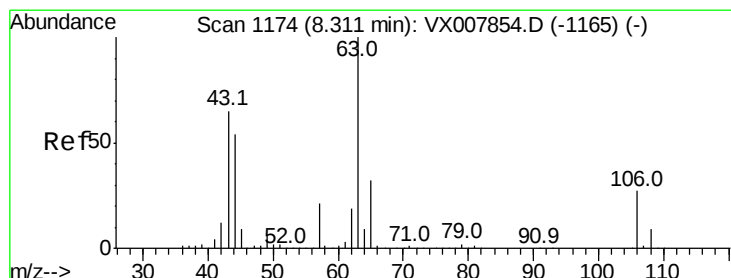
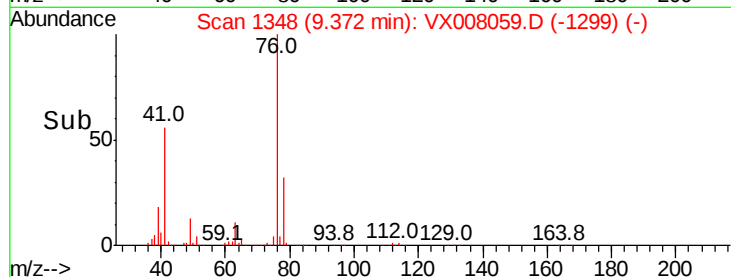
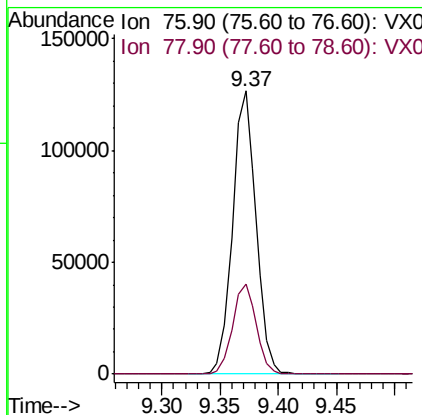
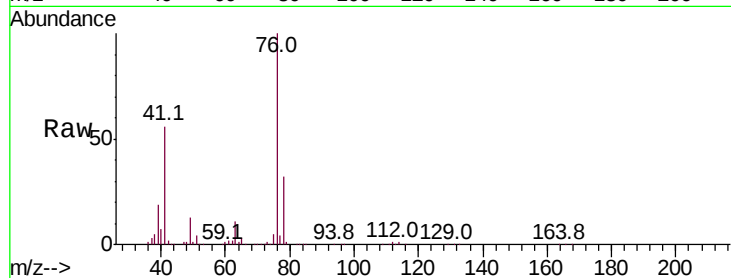
78 32.2 25.5 38.3

Manual Integrations

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3/14/2019 10:18:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 266.978 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008059.D

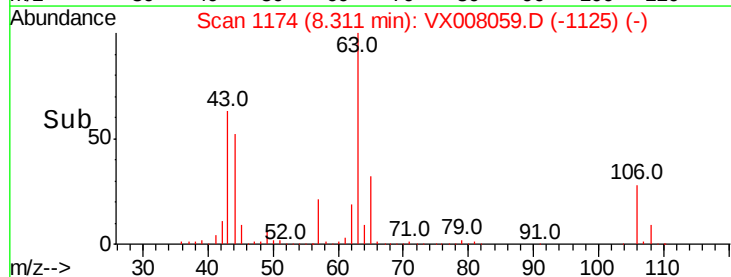
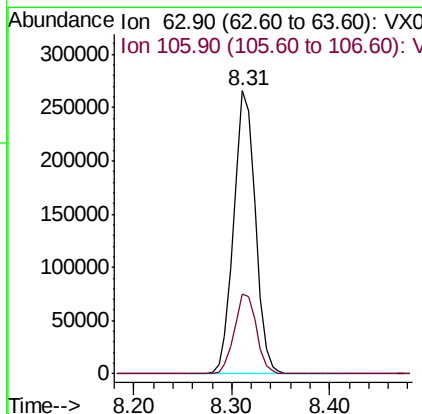
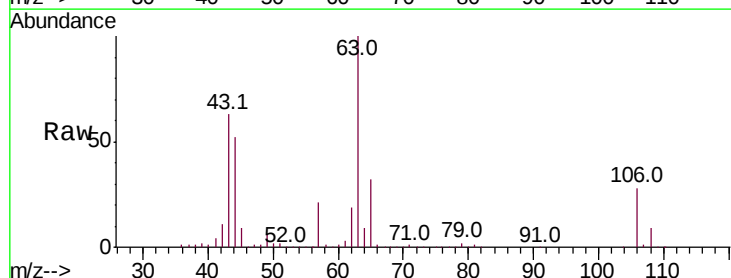
Acq: 13 Mar 2019 19:42

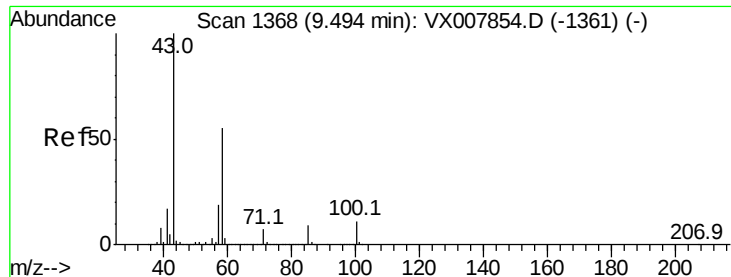
Tgt Ion: 63 Resp: 409859

Ion Ratio Lower Upper

63 100

106 28.9 22.2 33.2





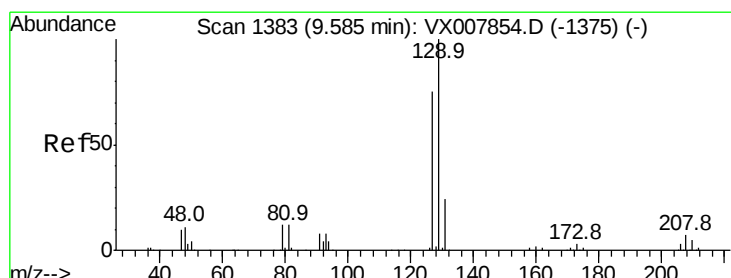
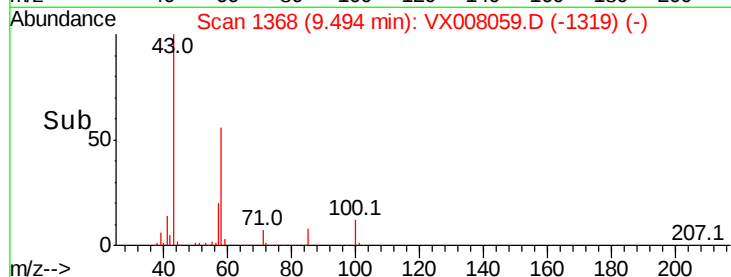
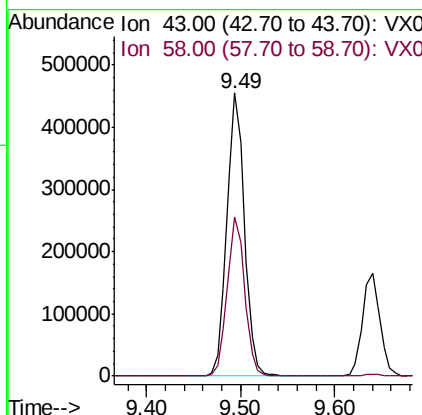
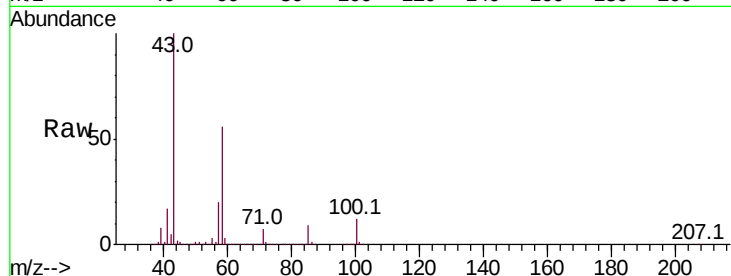
#59
2-Hexanone
Concen: 251.360 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 592140
Ion Ratio Lower Upper
43 100
58 56.1 27.6 82.7

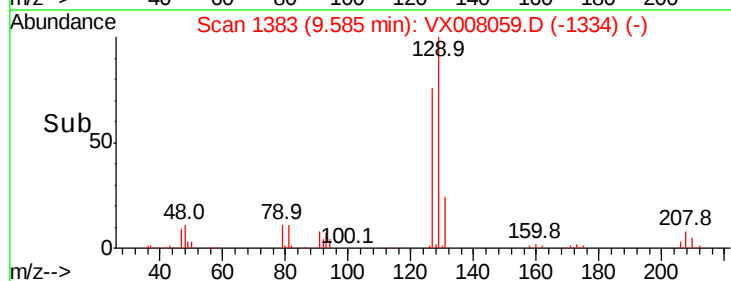
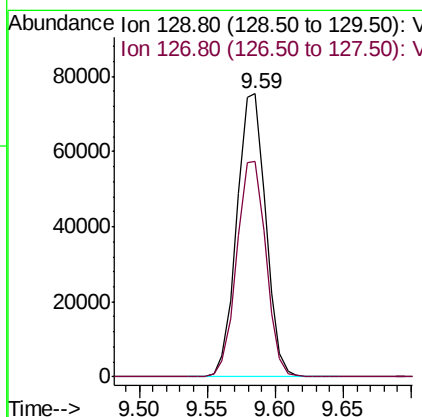
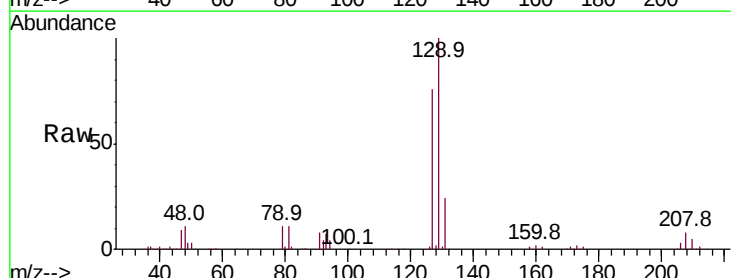
Manual Integrations
APPROVED

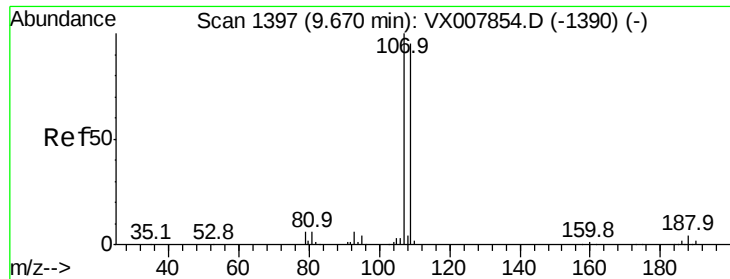
MMDadoda
3/14/2019 10:18:06 AM



#60
Dibromochloromethane
Concen: 53.986 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion: 129 Resp: 111538
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 53.490 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 112256

Ion Ratio Lower Upper

107 100

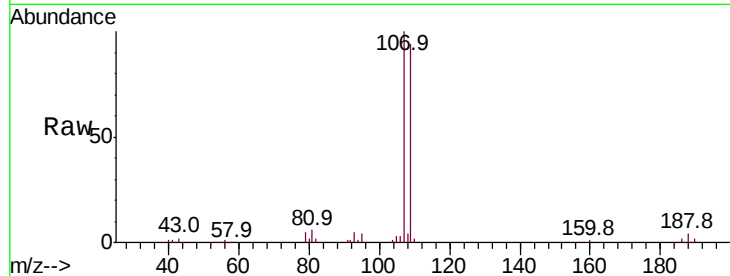
109 94.8 75.8 113.8

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

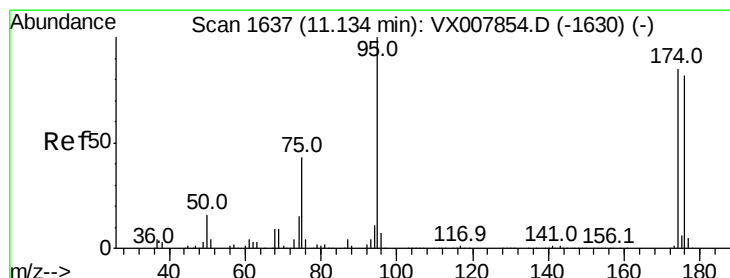
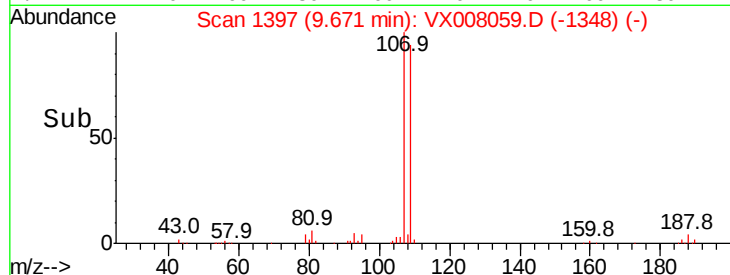
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 53.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

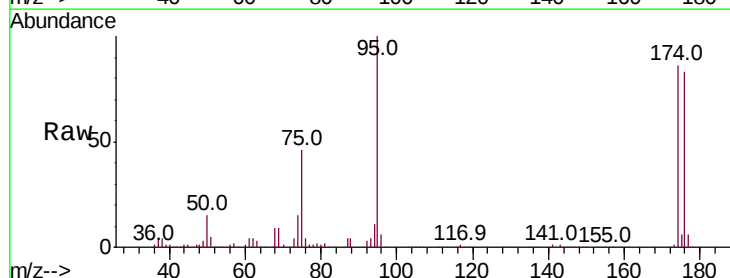
Tgt Ion: 95 Resp: 131888

Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.8

176 90.5 0.0 178.0



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

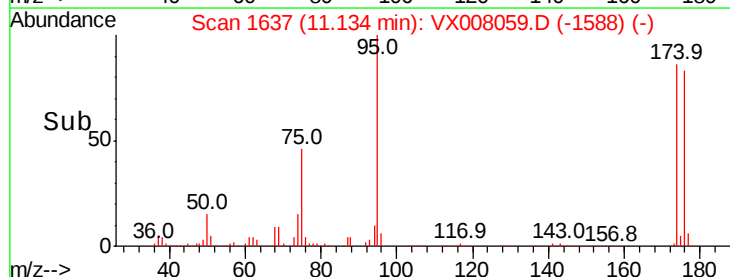
100000

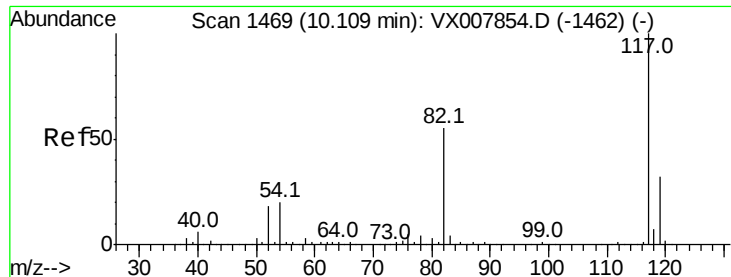
50000

0

11.10 11.20

Time-->





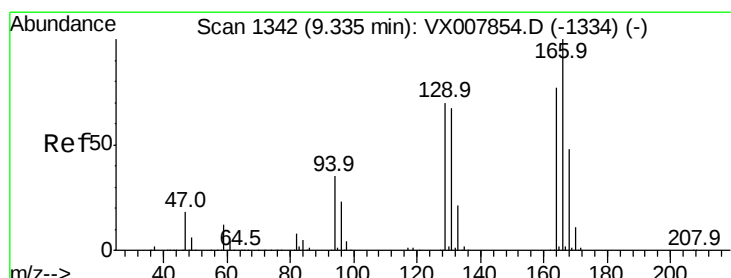
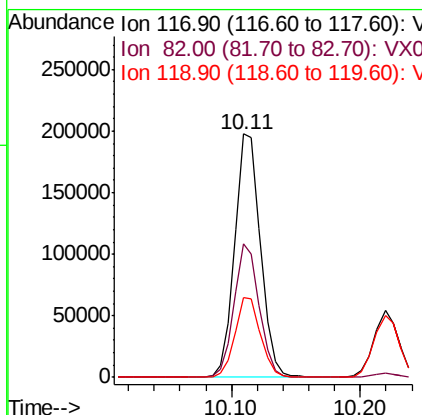
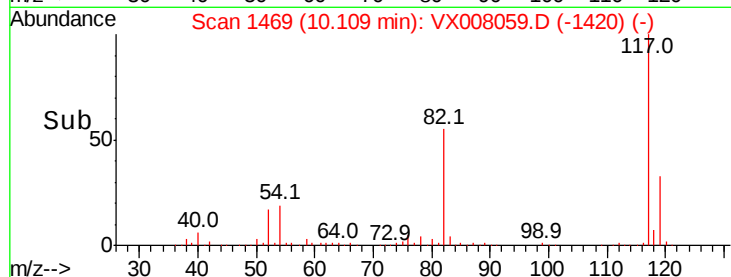
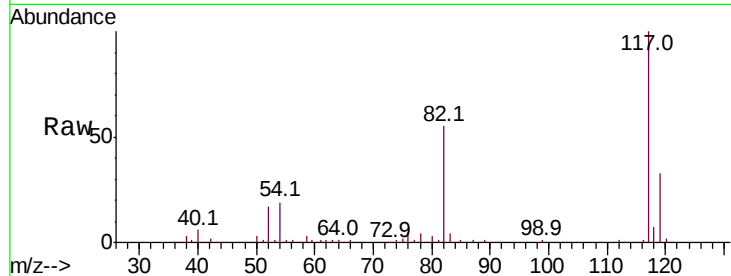
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	117	Resp:	275808
Ion Ratio	Lower	Upper	
117	100		
82	54.8	44.3	66.5
119	32.9	25.3	37.9

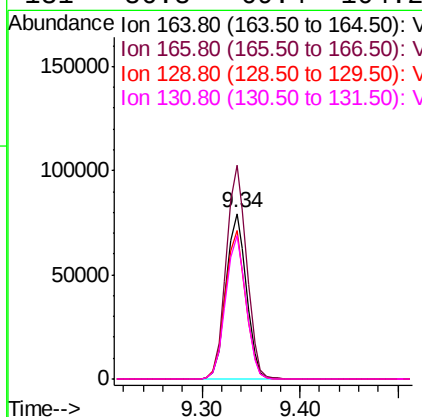
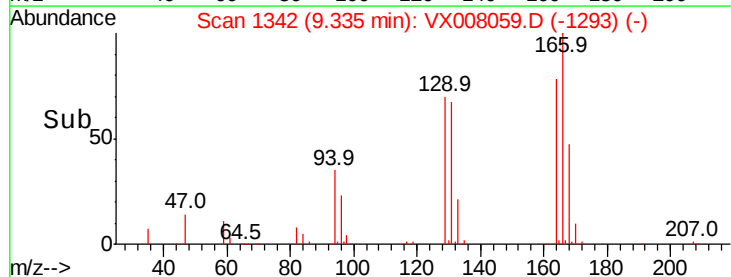
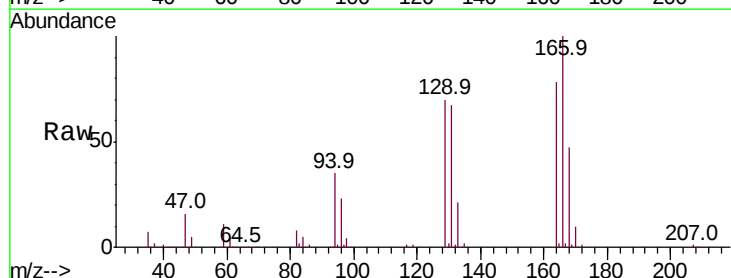
Manual Integrations
APPROVED

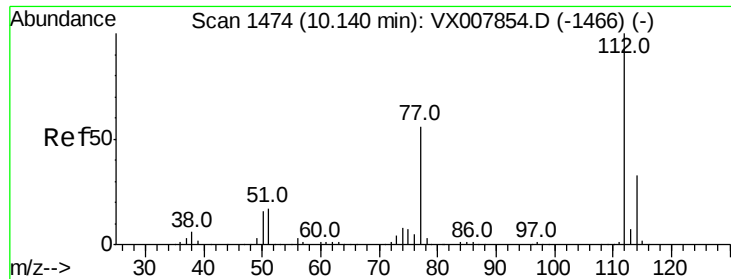
MMDadoda
3/14/2019 10:18:06 AM



#64
Tetrachloroethene
Concen: 50.361 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion:	164	Resp:	115105
Ion Ratio	Lower	Upper	
164	100		
166	128.9	103.4	155.0
129	89.6	72.2	108.4
131	86.8	69.4	104.2





#65

Chlorobenzene

Concen: 49.385 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 285024

Ion Ratio Lower Upper

112 100

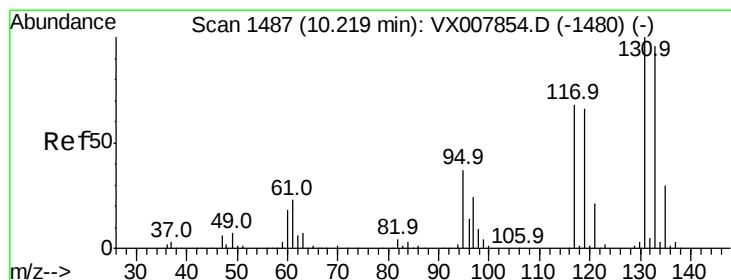
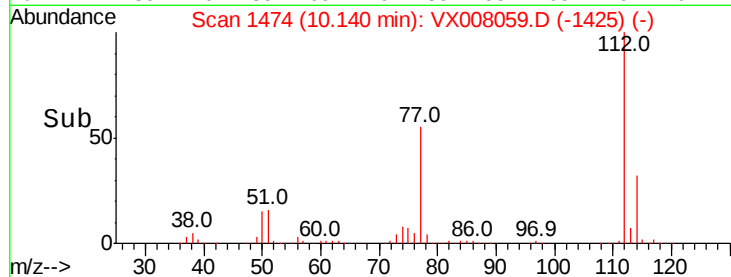
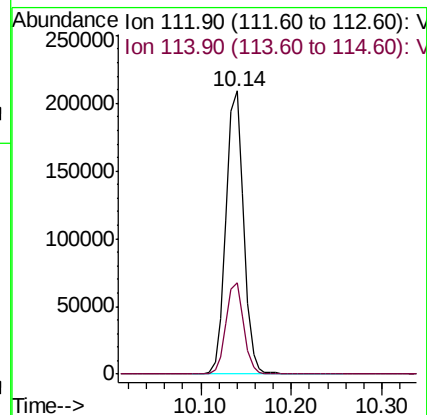
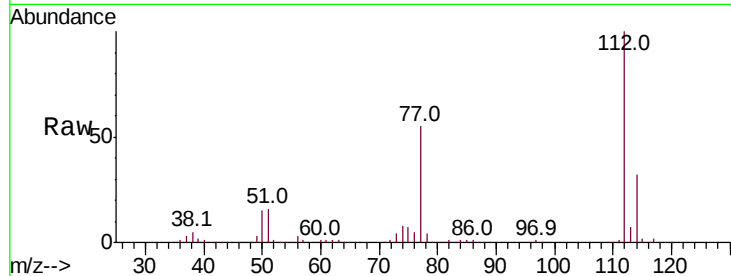
114 32.3 26.0 39.0

Manual Integrations

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MMDadoda

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.473 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

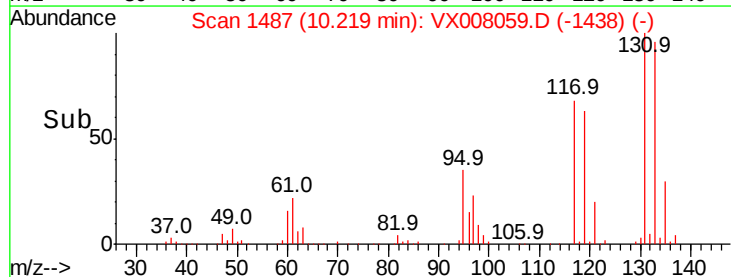
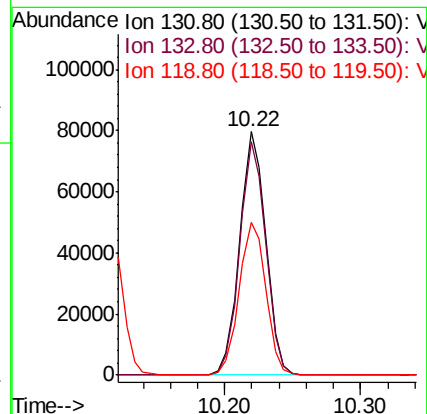
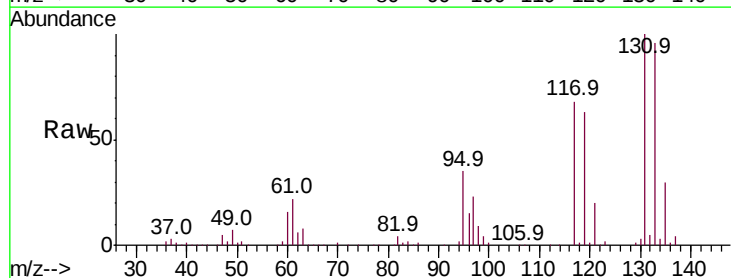
Tgt Ion:131 Resp: 106472

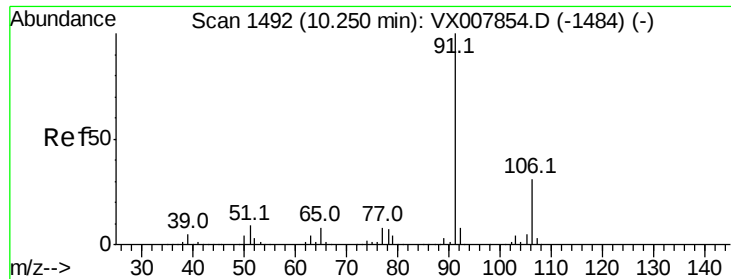
Ion Ratio Lower Upper

131 100

133 95.2 47.8 143.3

119 64.1 32.5 97.5





#67

Ethyl Benzene

Concen: 50.630 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 481009

Ion Ratio Lower Upper

91 100

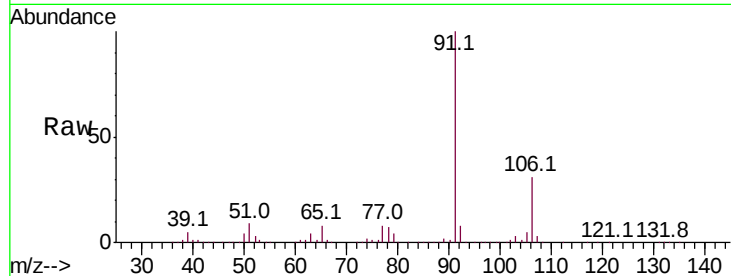
106 30.9 25.2 37.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX007854.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX007854.D (-1484) (-)

600000

500000

400000

300000

200000

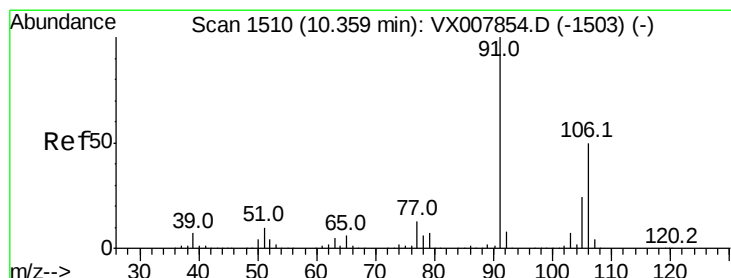
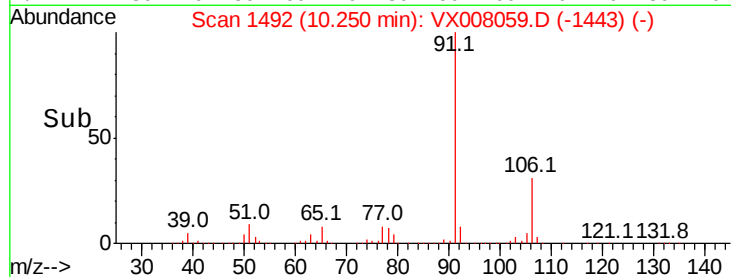
100000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 100.863 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008059.D

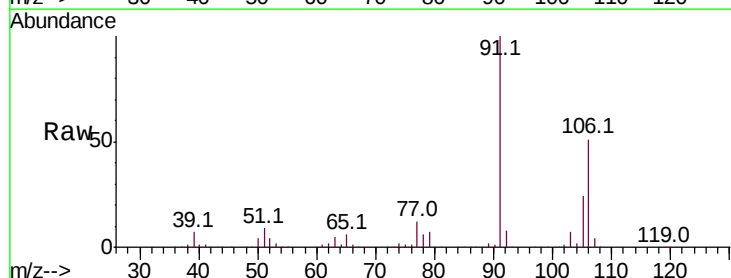
Acq: 13 Mar 2019 19:42

Tgt Ion: 106 Resp: 369357

Ion Ratio Lower Upper

106 100

91 199.6 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VX007854.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX007854.D (-1503) (-)

600000

500000

400000

300000

200000

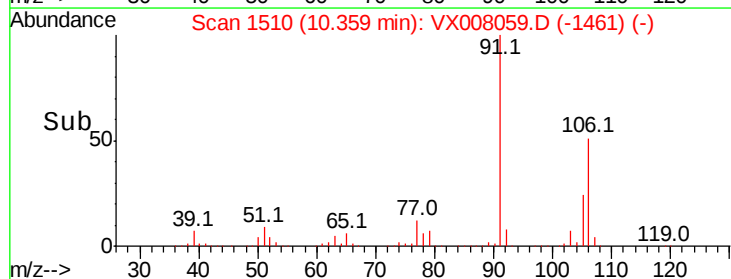
100000

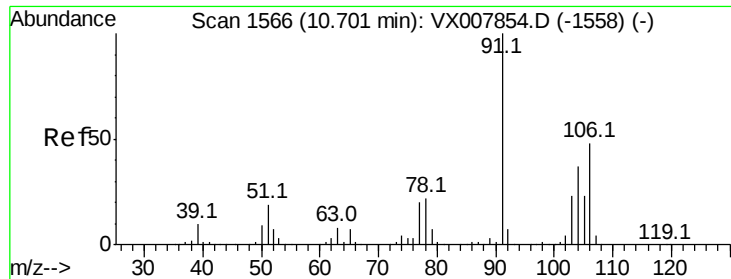
0

10.30

10.40

Time-->





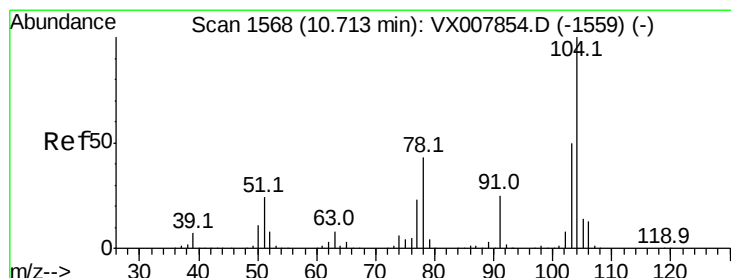
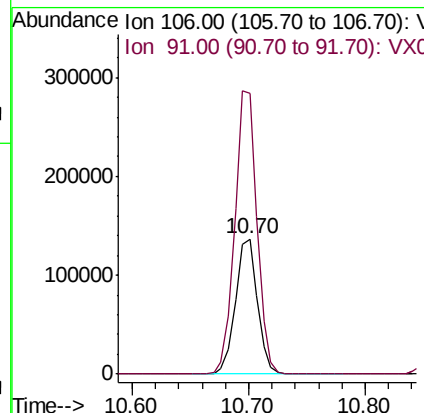
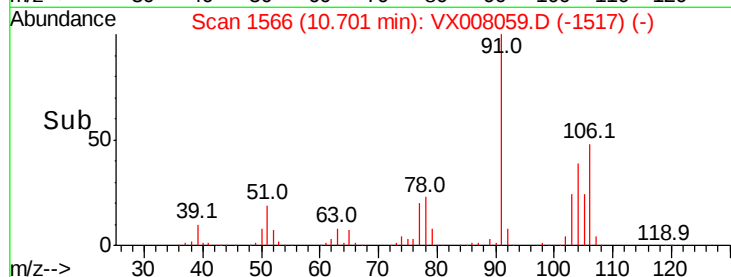
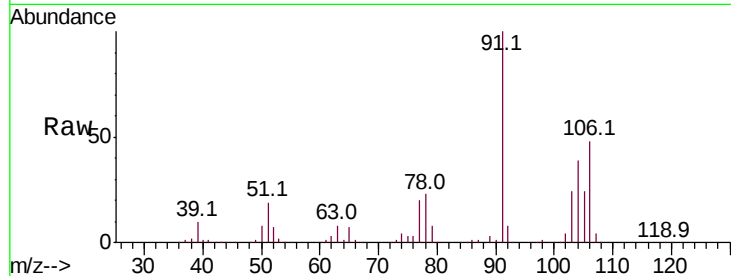
#69
o-Xylene
Concen: 50.930 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 180059
Ion Ratio Lower Upper
106 100
91 211.6 106.3 318.9

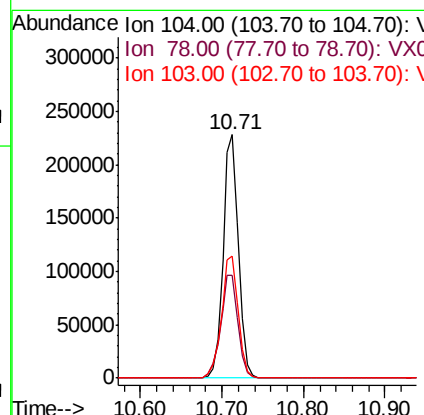
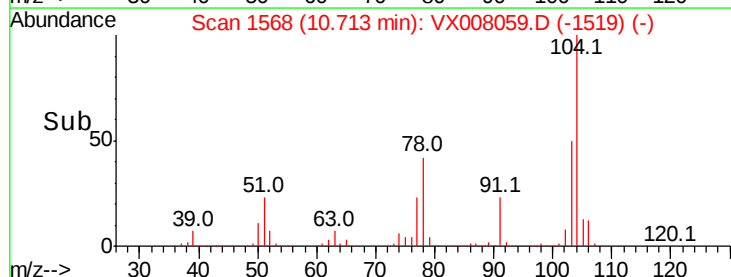
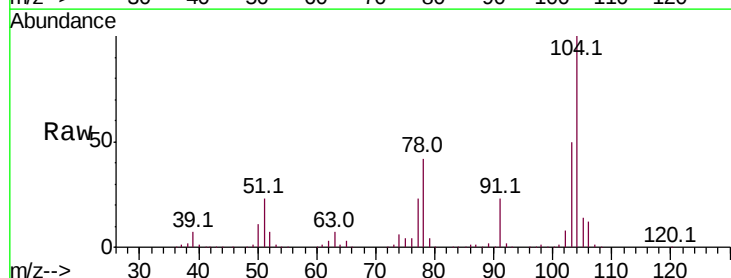
Manual Integrations
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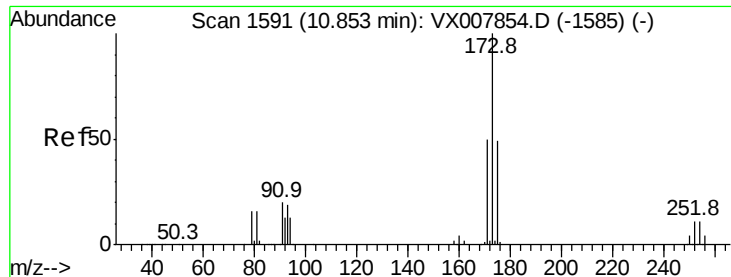
MMDadoda
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#70
Styrene
Concen: 51.676 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion:104 Resp: 298962
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.2 44.1 66.1





#71

Bromoform

Concen: 49.609 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 88124

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.9

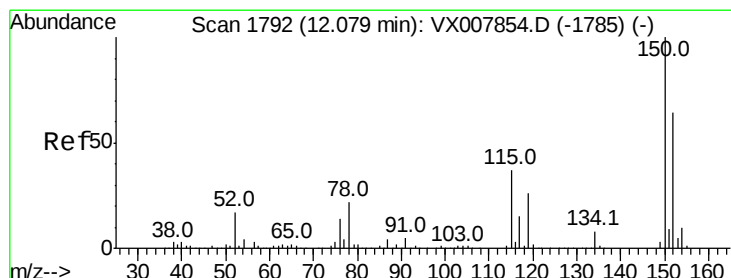
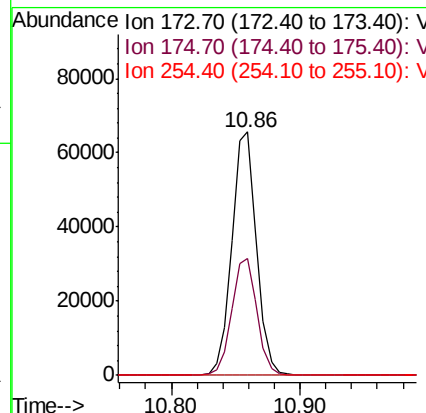
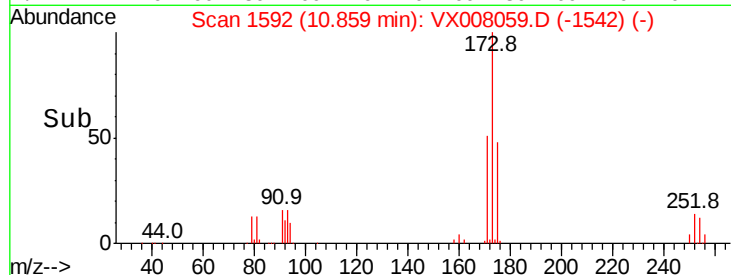
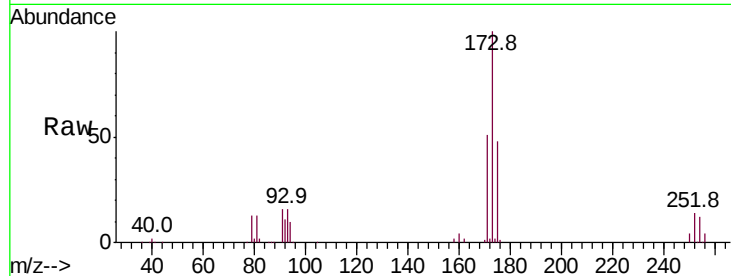
254 0.2 0.1 0.1#

Manual Integrations

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MMDadoda

3/14/2019 10:18:06 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

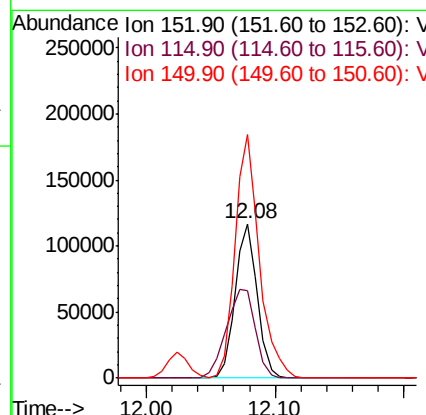
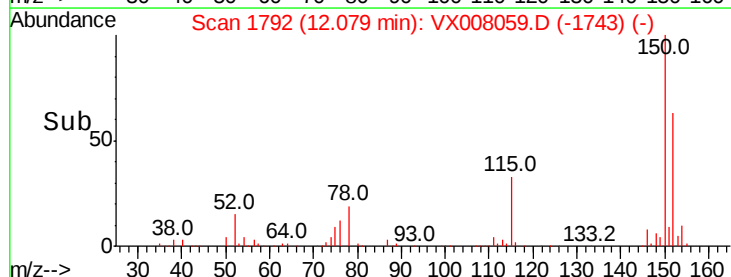
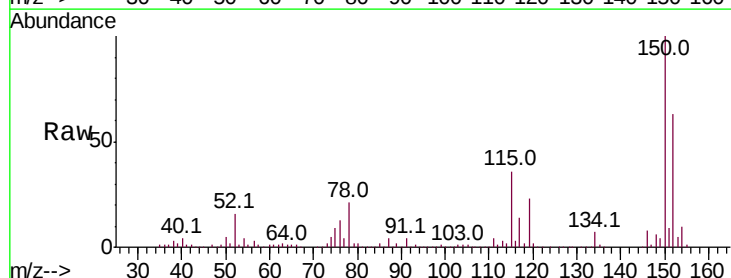
Tgt Ion:152 Resp: 139872

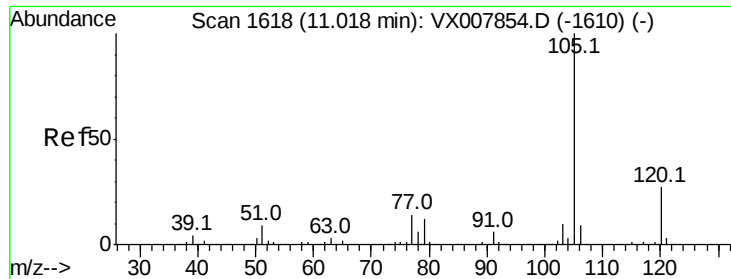
Ion Ratio Lower Upper

152 100

115 76.9 38.6 115.7

150 173.1 0.0 348.4





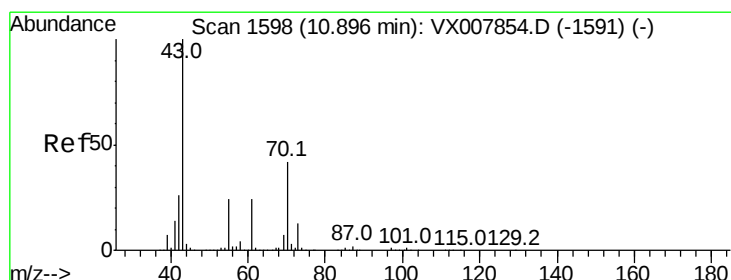
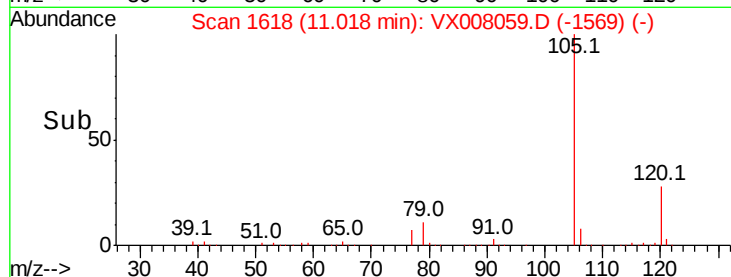
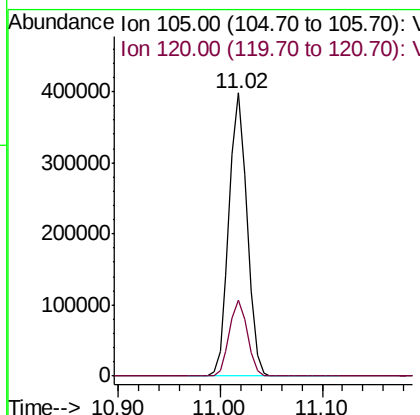
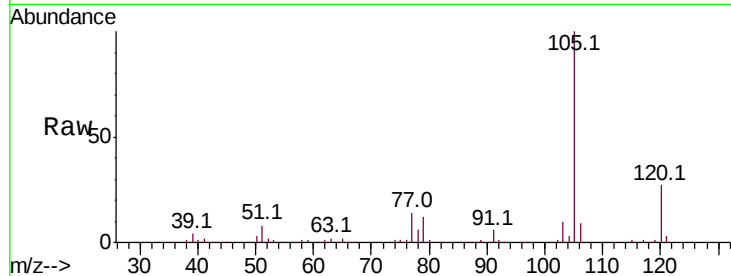
#73
Isopropylbenzene
Concen: 51.473 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 486925
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

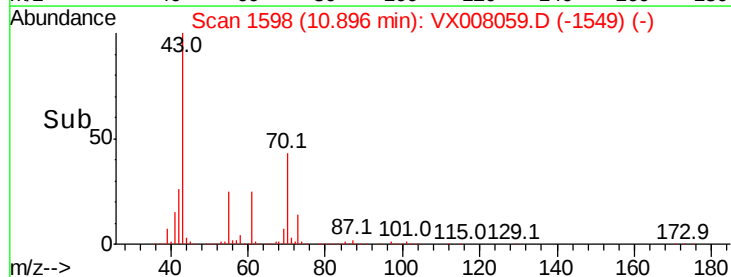
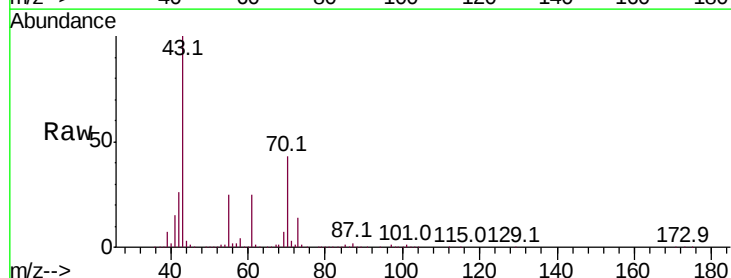
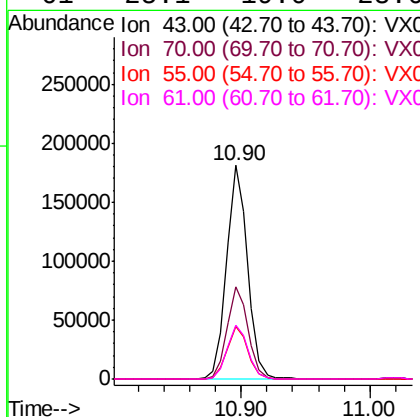
Manual Integrations
APPROVED

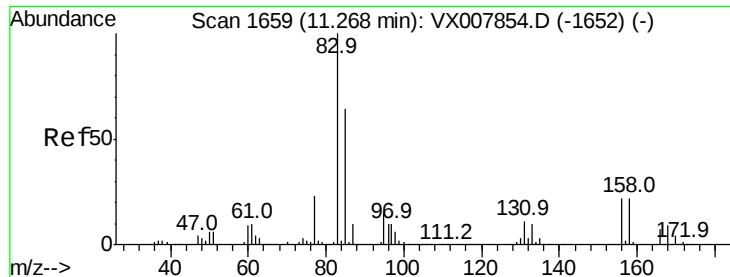
MMDadoda
3/14/2019 10:18:06 AM



#74
N-ethyl acetate
Concen: 48.158 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion: 43 Resp: 207975
Ion Ratio Lower Upper
43 100
70 43.2 33.5 50.3
55 25.1 19.2 28.8
61 25.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.085 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

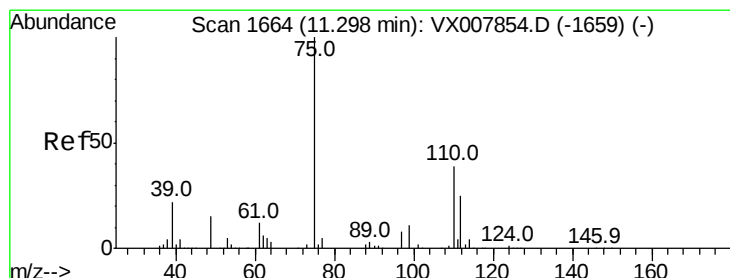
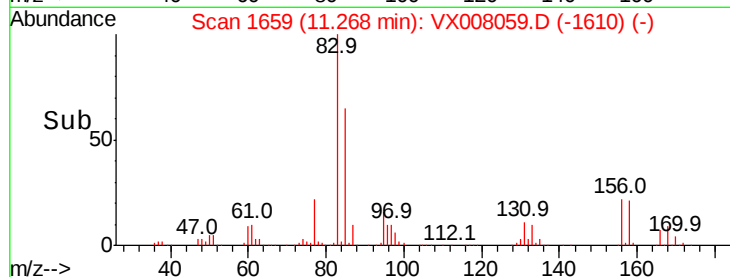
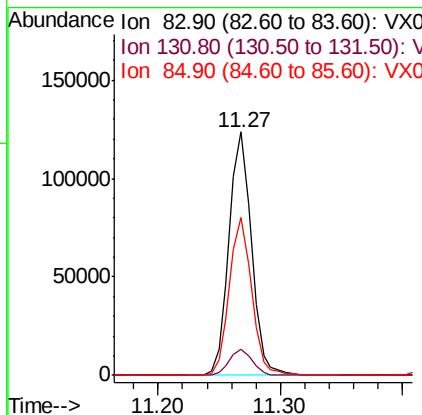
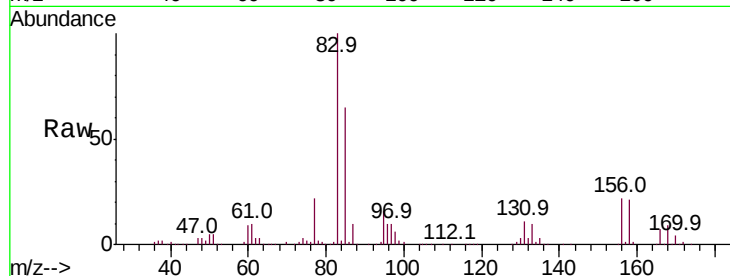
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	156903
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.4	32.3	96.8

Manual Integrations
APPROVED

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3/14/2019 10:18:06 AM



#76

1,2,3-Trichloropropane

Concen: 51.602 ug/l m

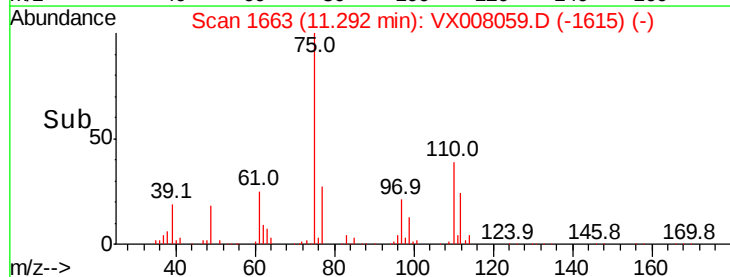
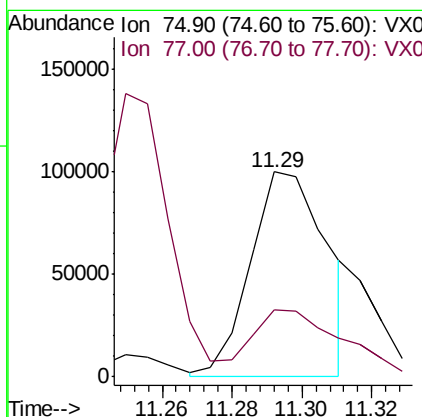
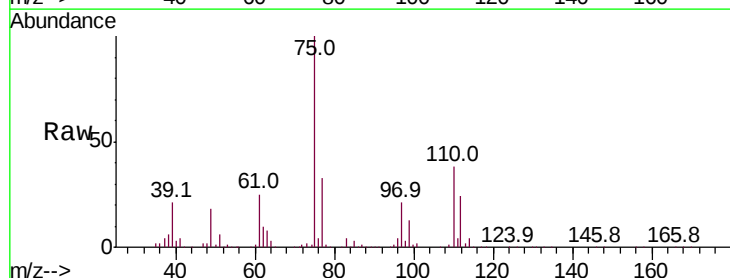
RT: 11.29 min Scan# 1663

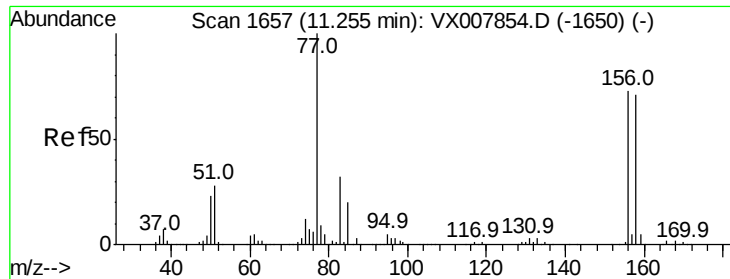
Delta R.T. -0.01 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	75	Resp:	151458
Ion Ratio	Lower	Upper	
75	100		
77	39.7	18.9	56.7





#77

Bromobenzene

Concen: 50.191 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

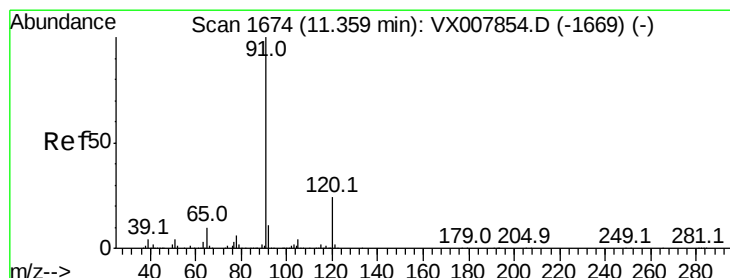
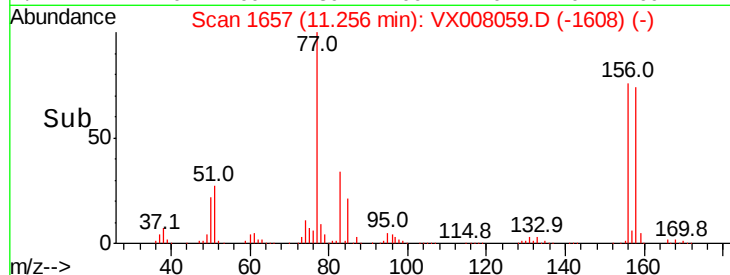
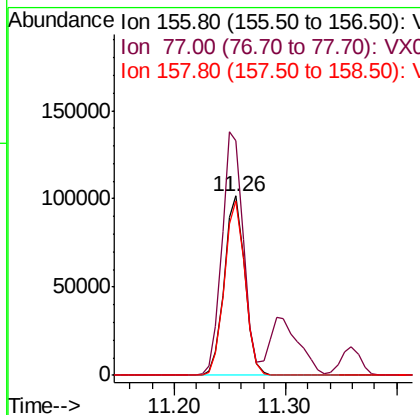
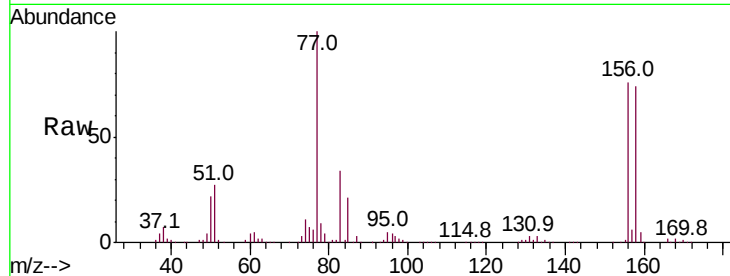
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	130173
Ion Ratio	Lower	Upper	
156	100		
77	140.0	72.0	215.9
158	97.3	48.6	145.9

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#78

n-propylbenzene

Concen: 51.193 ug/l

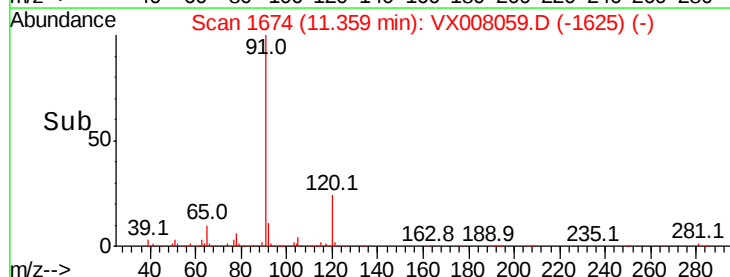
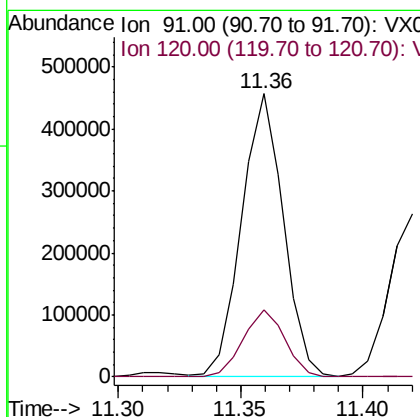
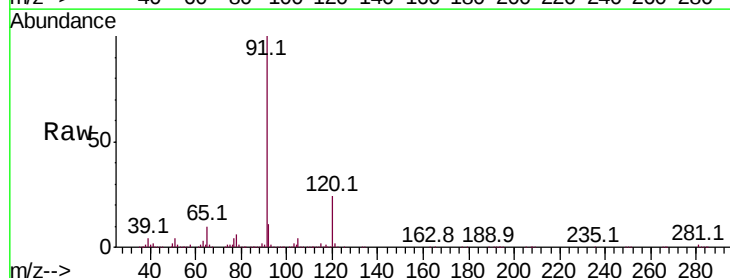
RT: 11.36 min Scan# 1674

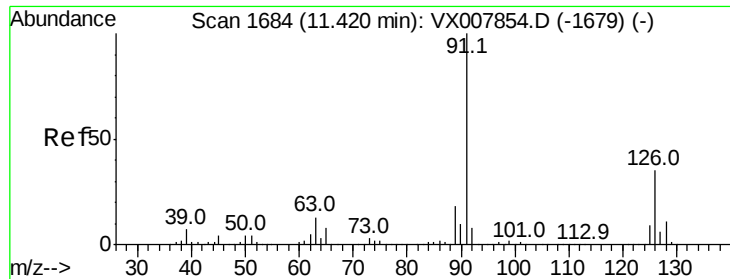
Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	91	Resp:	537241
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





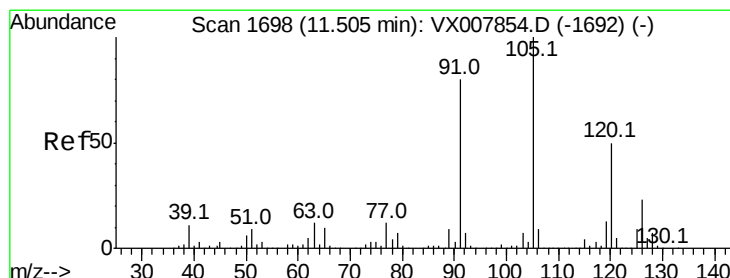
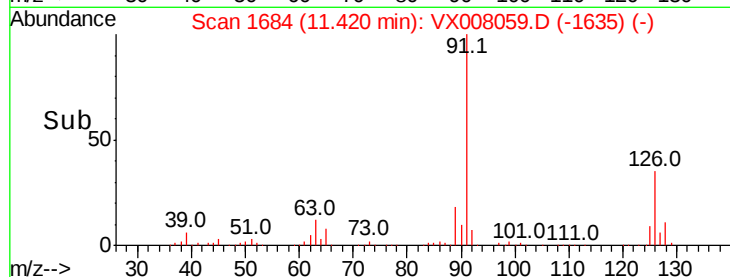
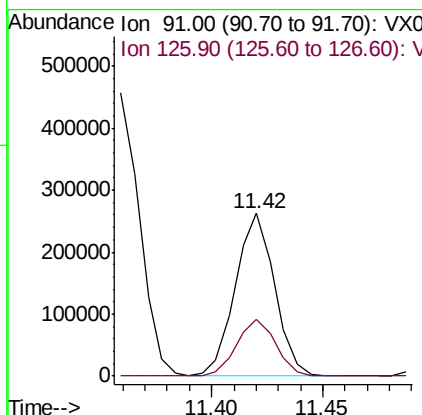
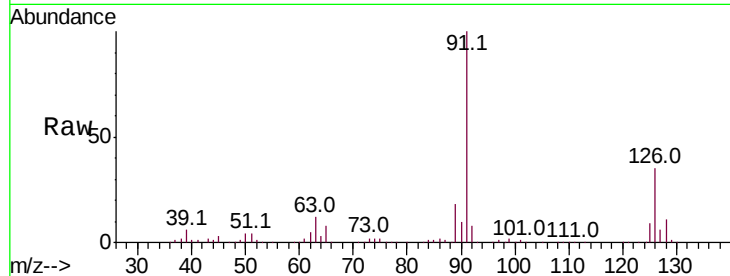
#79
2-Chlorotoluene
Concen: 50.061 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 321223
Ion Ratio Lower Upper
91 100
126 35.1 17.5 52.6

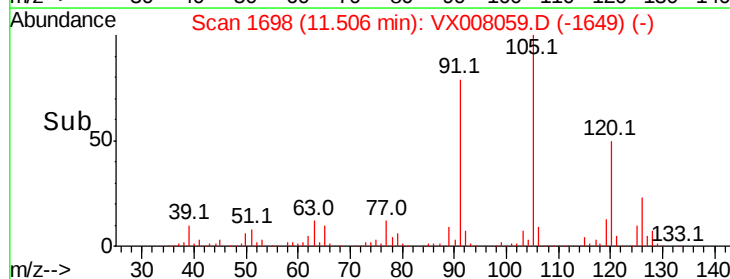
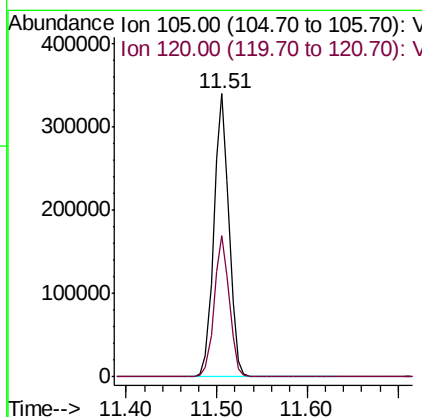
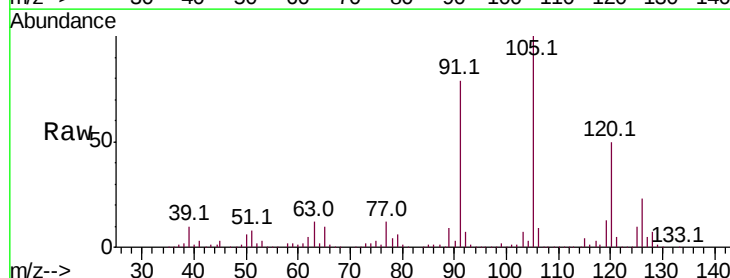
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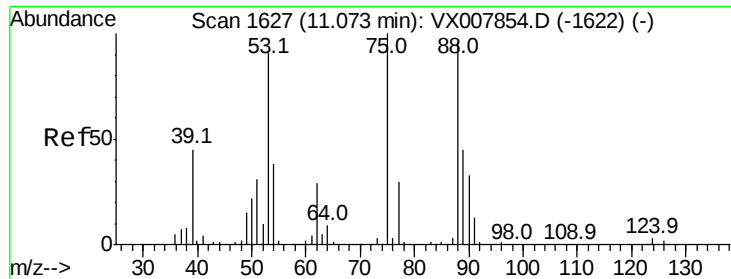
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#80
1,3,5-Trimethylbenzene
Concen: 51.319 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion: 105 Resp: 399564
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.6





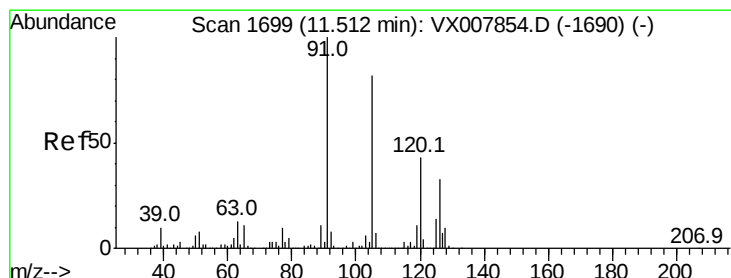
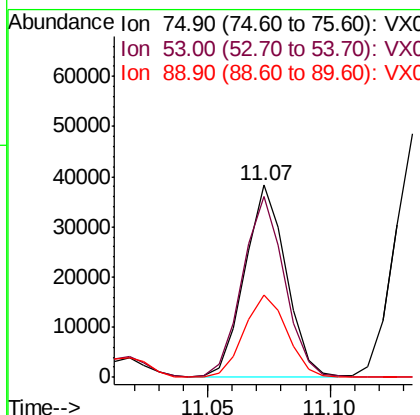
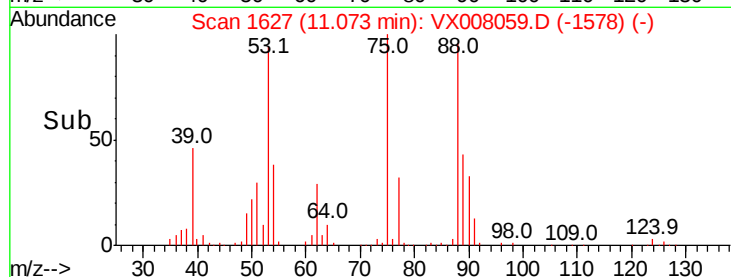
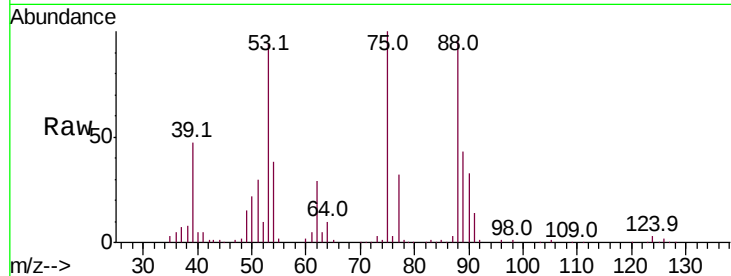
#81
trans-1,4-Dichloro-2-butene
Concen: 48.783 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 44794
Ion Ratio Lower Upper
75 100
53 95.7 76.1 114.1
89 44.7 36.3 54.5

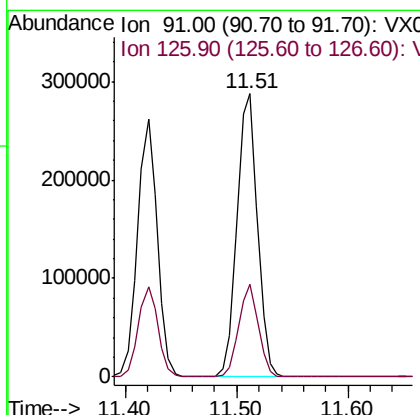
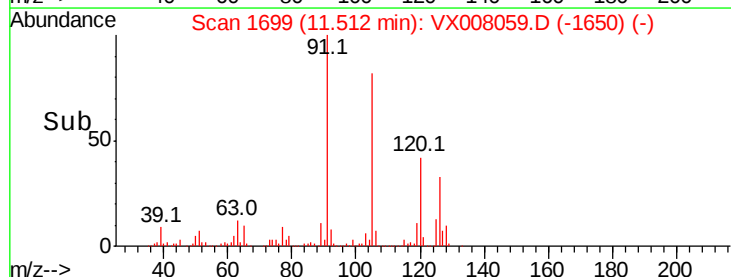
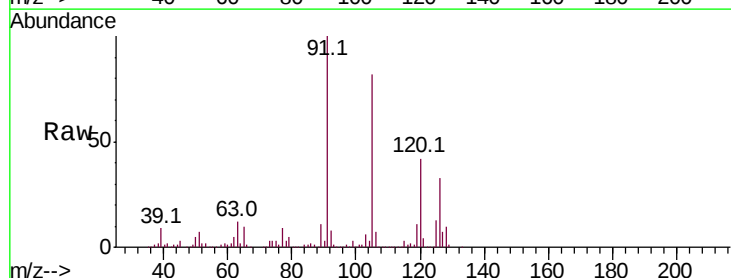
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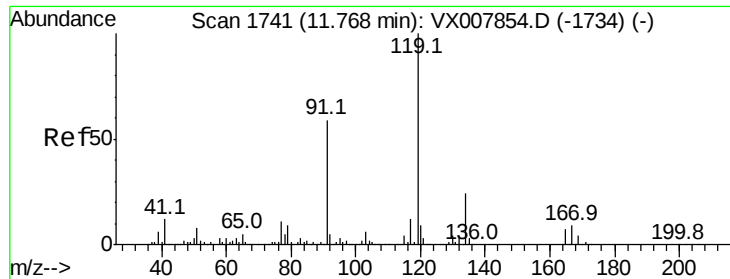
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#82
4-Chlorotoluene
Concen: 49.797 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion: 91 Resp: 366179
Ion Ratio Lower Upper
91 100
126 31.1 15.6 46.8





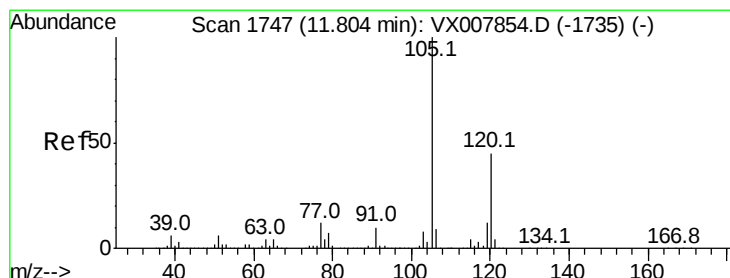
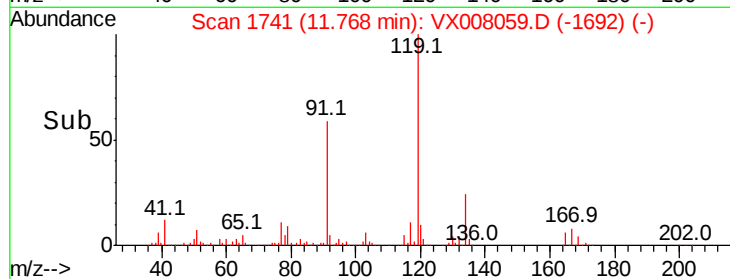
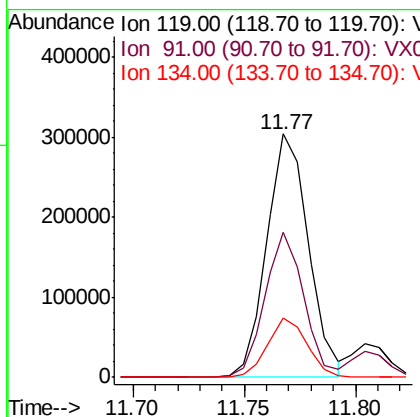
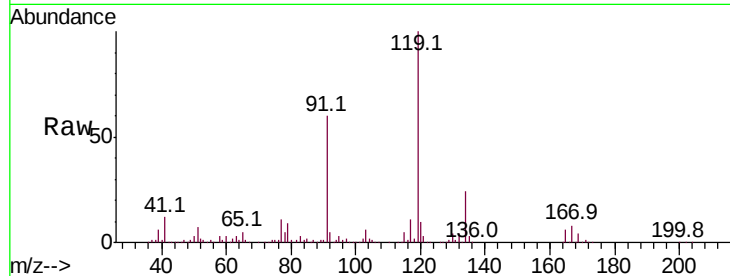
#83
tert-Butylbenzene
Concen: 50.510 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	396132		
91	55.7	27.1	81.3	
134	23.3	11.4	34.1	

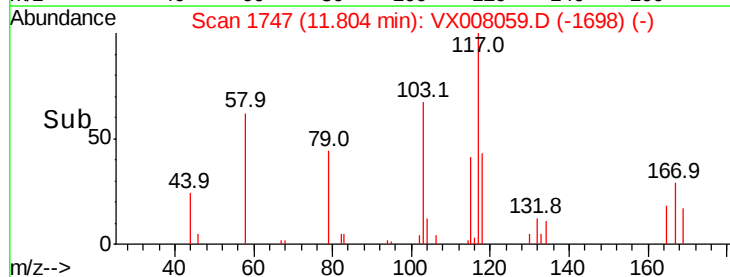
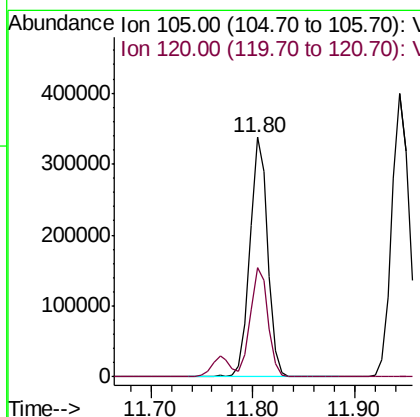
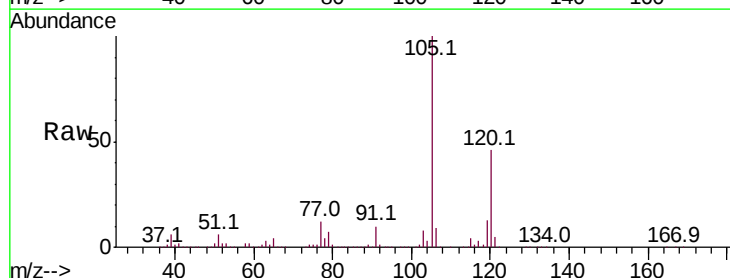
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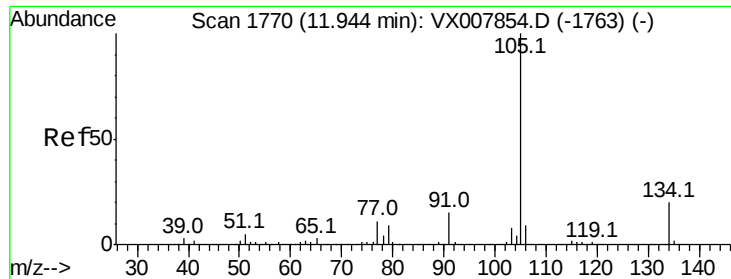
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#84
1,2,4-Trimethylbenzene
Concen: 51.593 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	411789		
120	45.0	22.6	67.7	





#85

sec-Butylbenzene

Concen: 51.891 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 479306

Ion Ratio Lower Upper

105 100

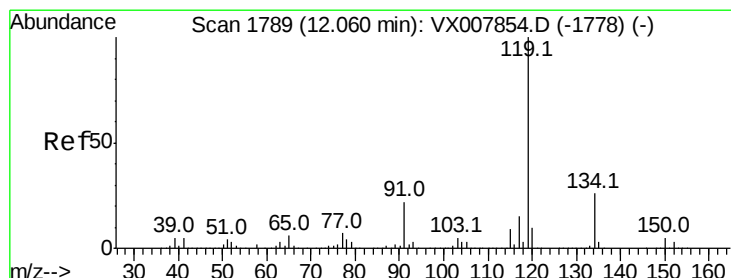
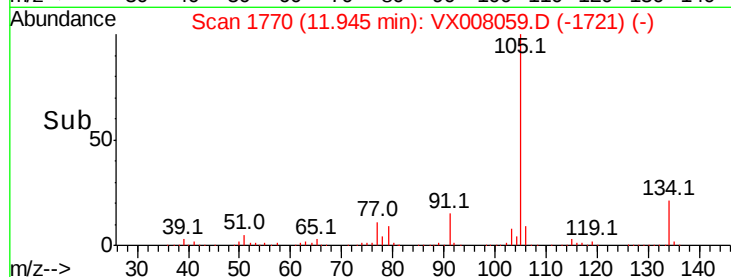
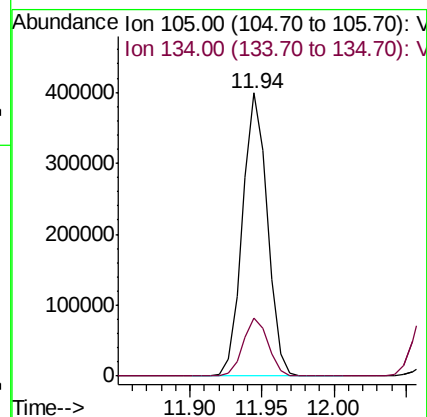
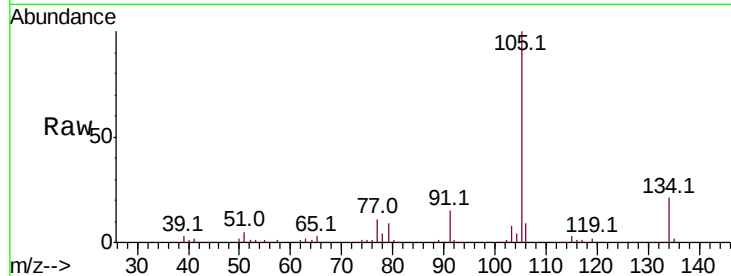
134 20.5 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 51.850 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

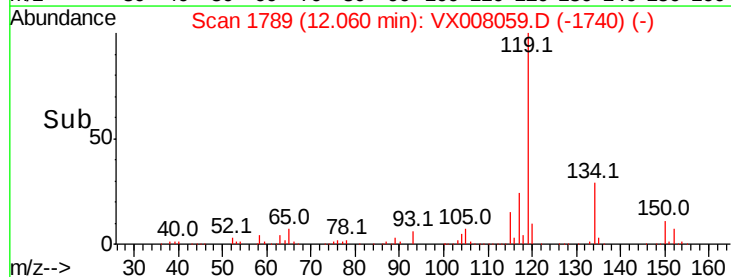
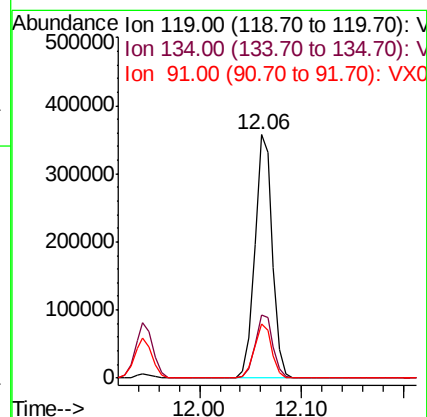
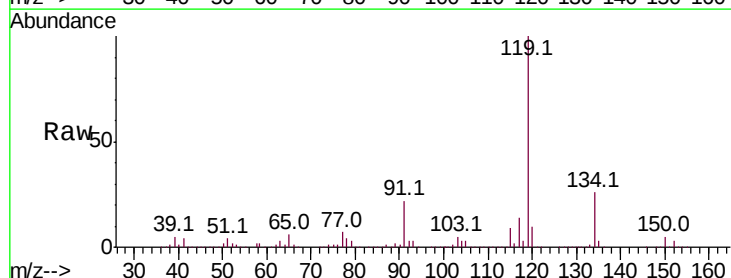
Tgt Ion:119 Resp: 428915

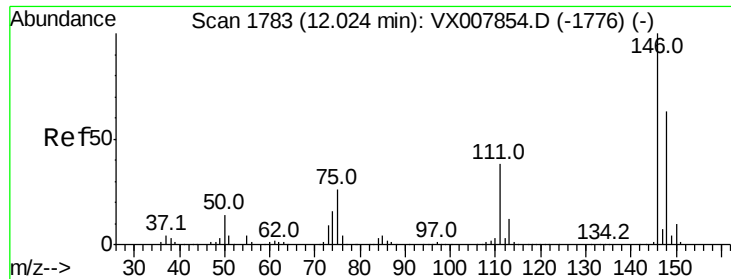
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.0 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 49.694 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

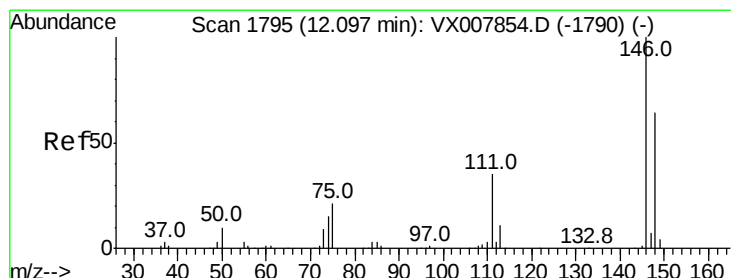
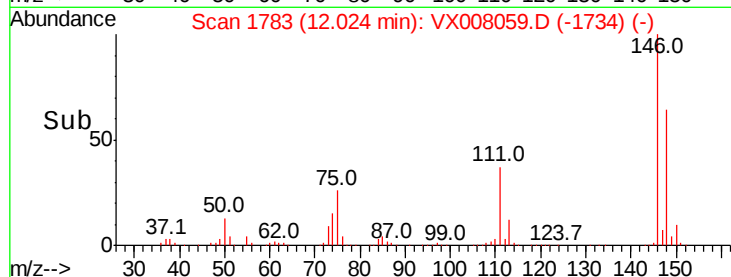
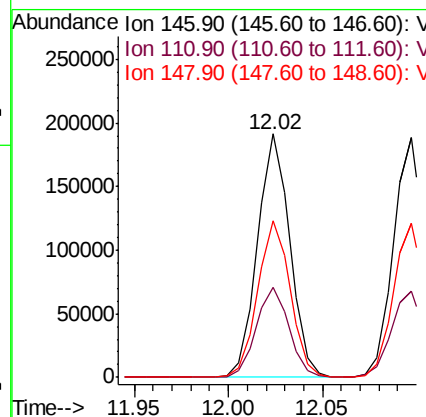
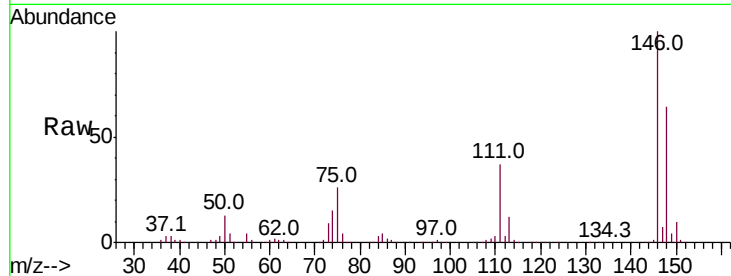
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	228014
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.9	56.7
148	64.4	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 48.211 ug/l

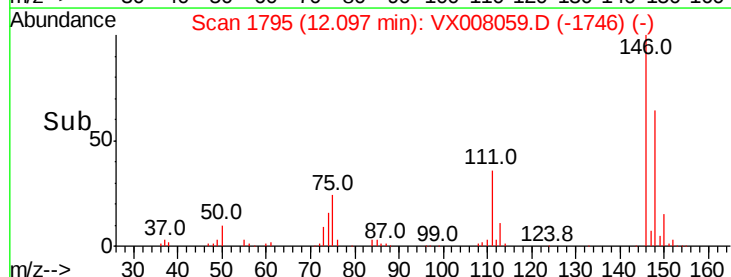
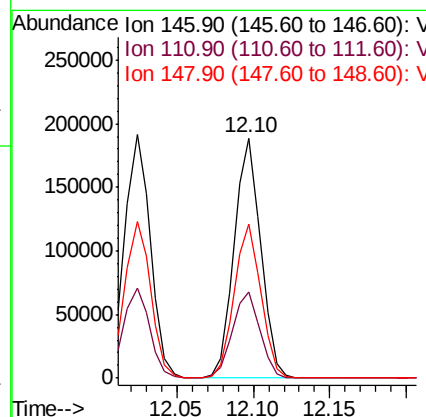
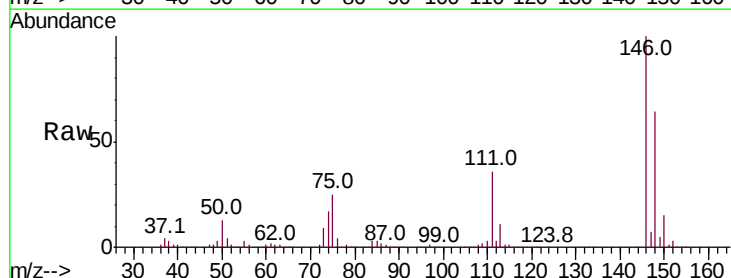
RT: 12.10 min Scan# 1795

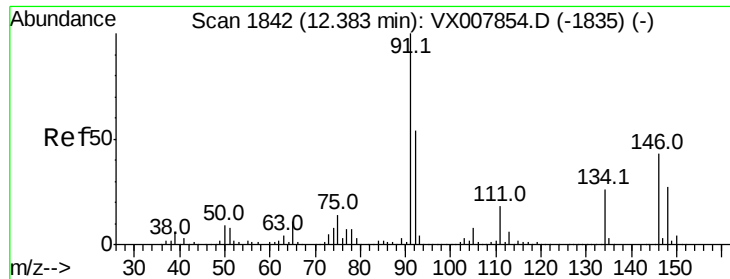
Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	146	Resp:	226540
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.4	55.0
148	64.6	32.2	96.6





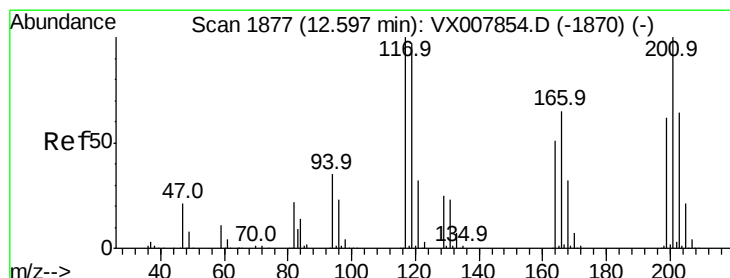
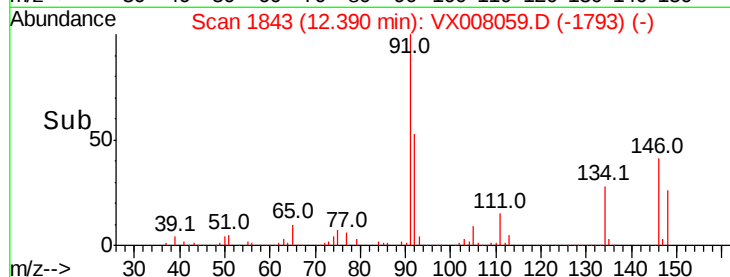
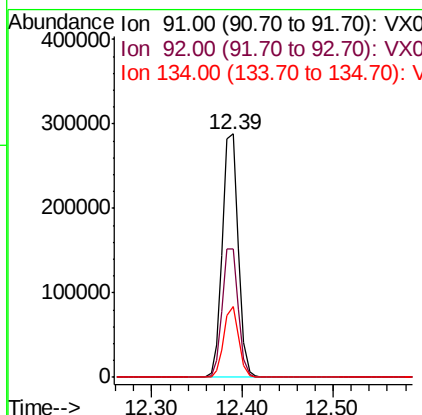
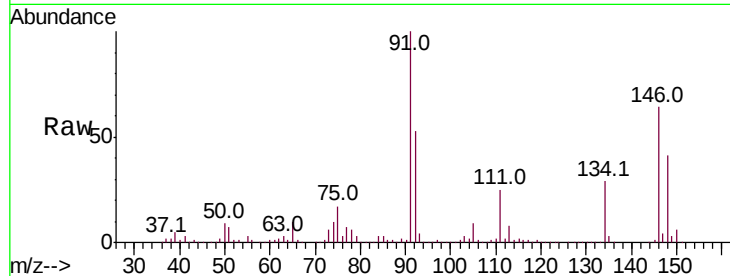
#89
n-Butylbenzene
Concen: 50.231 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.0	80.8
134	27.6	13.7	41.0

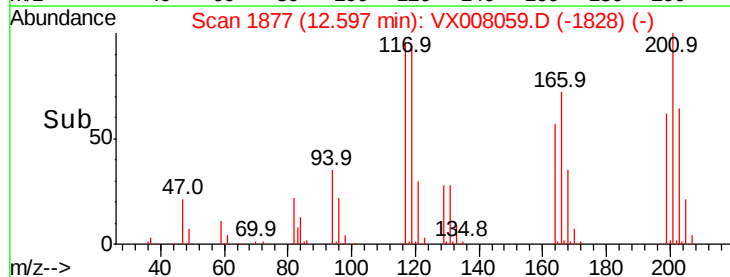
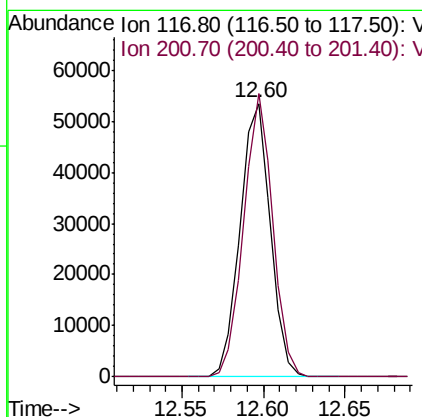
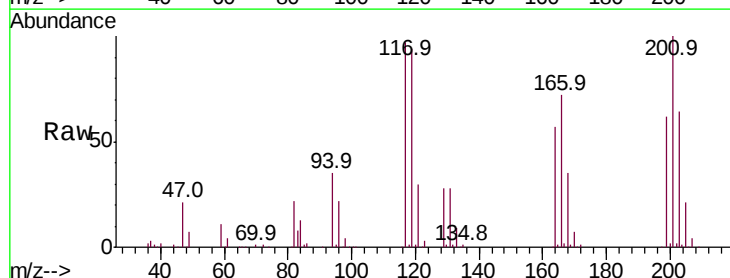
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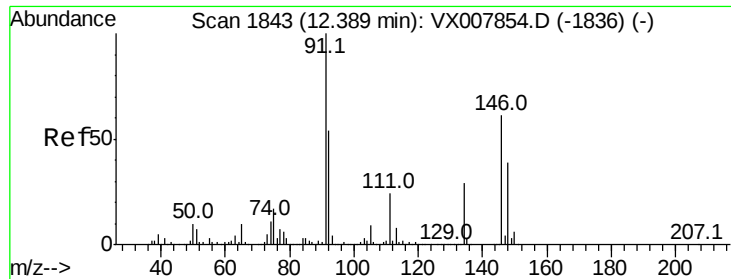
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#90
Hexachloroethane
Concen: 50.024 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008059.D
Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.2	48.9	146.7





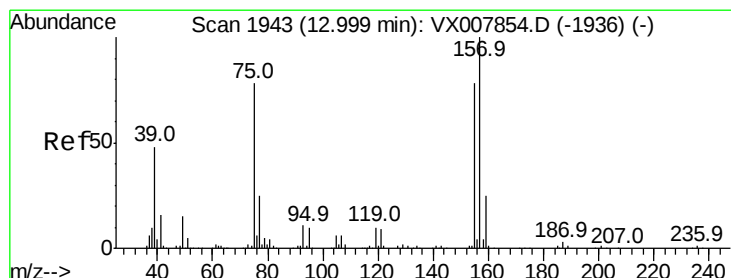
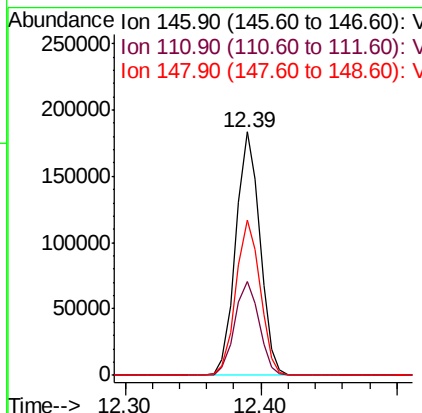
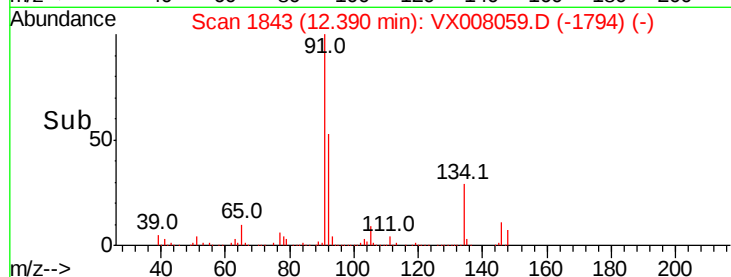
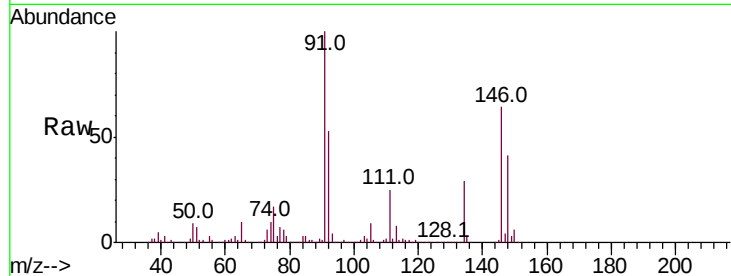
#91
 1,2-Dichlorobenzene
 Concen: 49.775 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	226884		
111	39.1	19.6	58.8	
148	64.2	31.9	95.5	

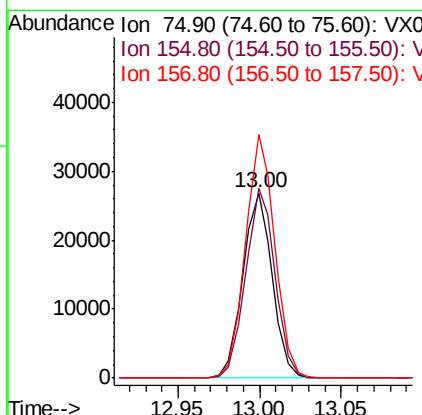
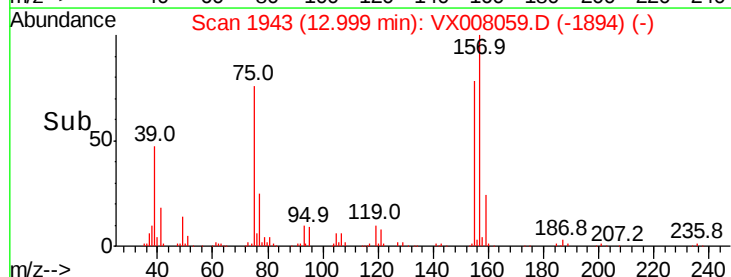
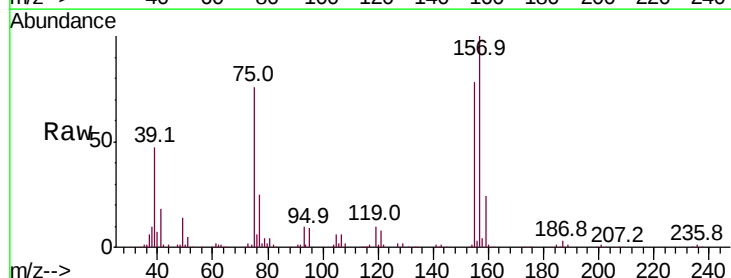
Manual Integrations
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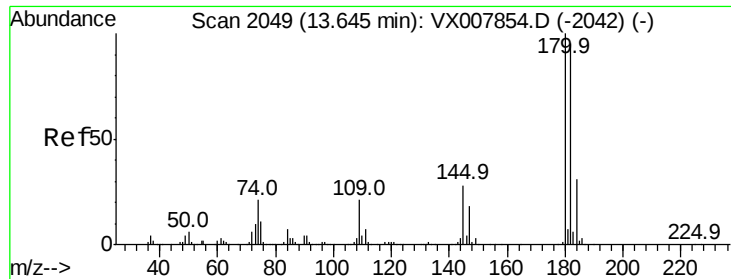
MMDadoda
 3/14/2019 10:18:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.346 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33651		
155	102.5	49.7	149.1	
157	131.7	63.8	191.4	





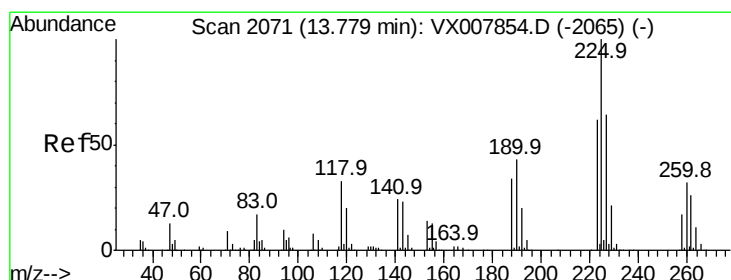
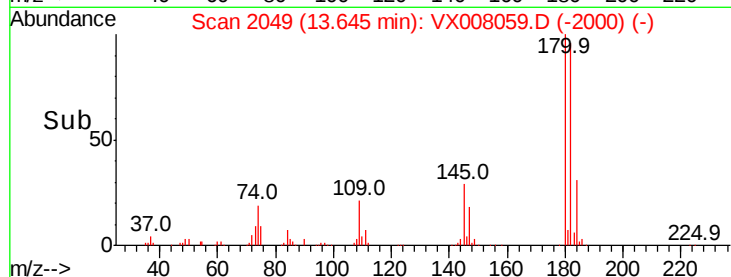
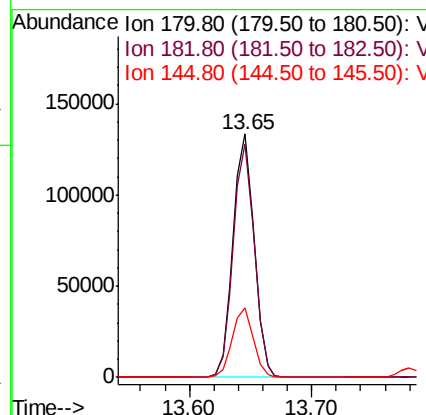
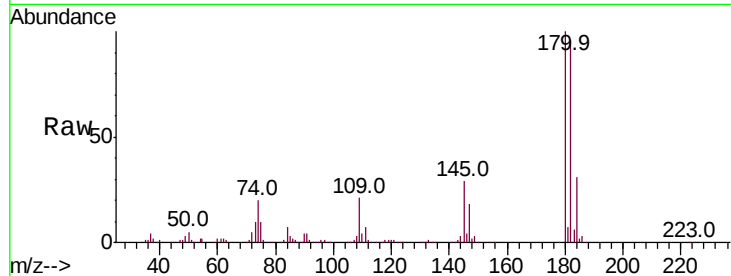
#93
 1,2,4-Trichlorobenzene
 Concen: 49.496 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158491		
182	95.8	47.9	143.7	
145	28.4	14.1	42.4	

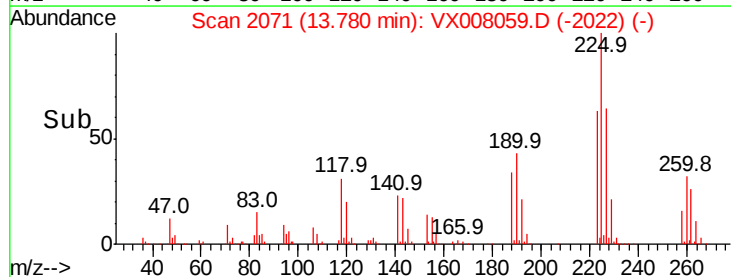
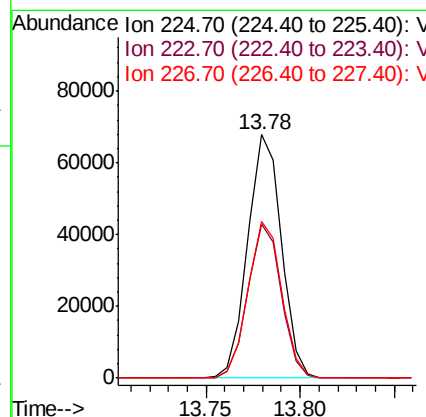
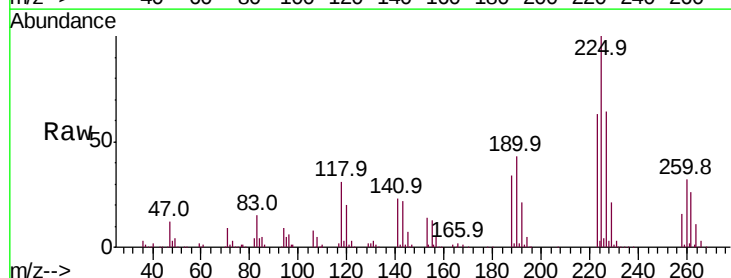
Manual Integrations
 APPROVED

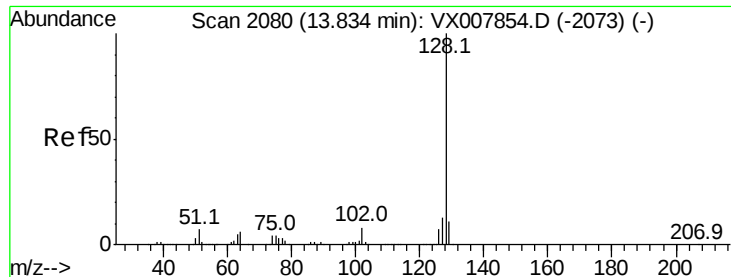
MMDadoda
 3/14/2019 10:18:06 AM



#94
 Hexachlorobutadiene
 Concen: 50.482 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008059.D
 Acq: 13 Mar 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84514		
223	62.4	31.1	93.2	
227	63.9	32.0	96.0	





#95

Naphthalene

Concen: 52.445 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Instrument :

MSVOA_X

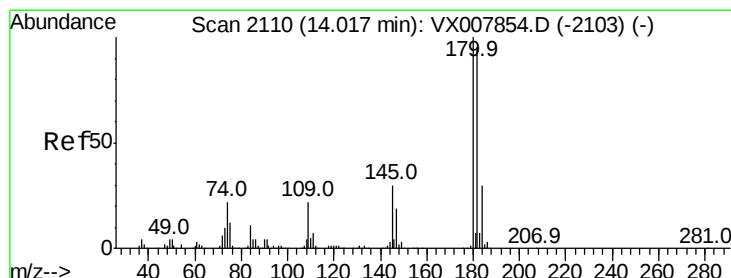
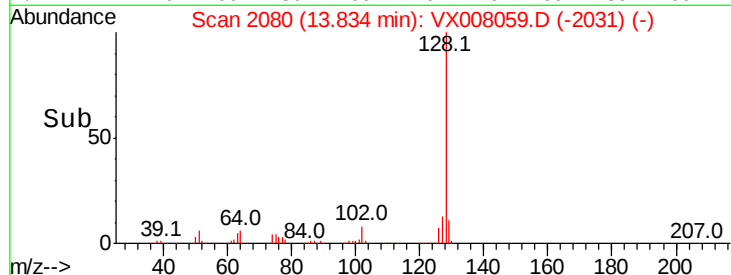
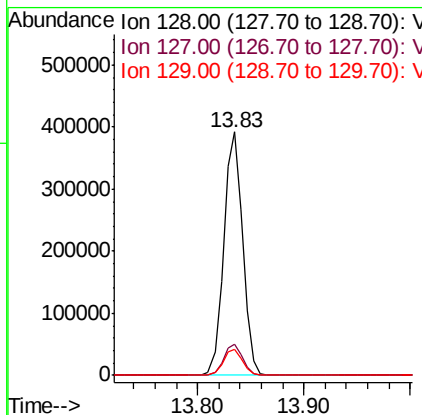
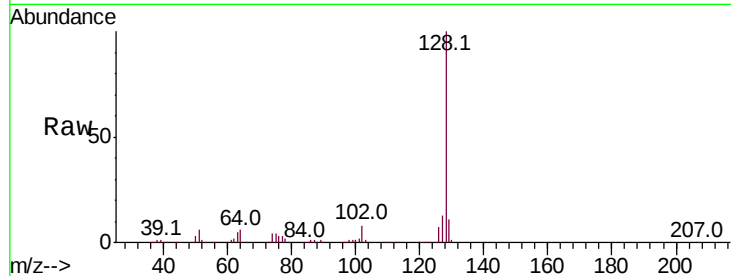
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	483875
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:18:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.697 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008059.D

Acq: 13 Mar 2019 19:42

Tgt Ion:	180	Resp:	161715
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.5	142.5
145	30.0	14.8	44.3

