

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072519\
 Data File : VX011064.D
 Acq On : 25 Jul 2019 09:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 9:49:15 AM

Quant Time: Jul 26 01:30:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	331668	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	170879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118477	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	5.49	113	105112	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	8.71	98	386881	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	156768	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121829	50.346	ug/l	99
3) Chloromethane	1.32	50	103615	49.654	ug/l	98
4) Vinyl Chloride	1.41	62	108355	50.908	ug/l	100
5) Bromomethane	1.64	94	58667	48.912	ug/l	99
6) Chloroethane	1.71	64	68104	50.350	ug/l	95
7) Trichlorofluoromethane	1.92	101	190487	52.869	ug/l	98
8) Diethyl Ether	2.19	74	65048	52.400	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111921	54.404	ug/l	98
10) Methyl Iodide	2.51	142	143400	53.118	ug/l	98
11) Tert butyl alcohol	3.05	59	137992	245.443	ug/l	99
12) 1,1-Dichloroethene	2.37	96	103422	51.168	ug/l	96
13) Acrolein	2.29	56	72595	223.487	ug/l	97
14) Allyl chloride	2.73	41	158340	53.932	ug/l	99
15) Acrylonitrile	3.14	53	296583	261.062	ug/l	100
16) Acetone	2.45	43	319571	293.100	ug/l	98
17) Carbon Disulfide	2.57	76	248272	47.885	ug/l	99
18) Methyl Acetate	2.77	43	135087	54.412	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	361202	55.512	ug/l	100
20) Methylene Chloride	2.85	84	119389	51.670	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	110480	51.515	ug/l	98
22) Diisopropyl ether	3.85	45	335777	54.227	ug/l	92
23) Vinyl Acetate	3.81	43	1464555	279.151	ug/l	100
24) 1,1-Dichloroethane	3.69	63	189759	52.769	ug/l	98
25) 2-Butanone	4.67	43	435626	278.332	ug/l	98
26) 2,2-Dichloropropane	4.58	77	169373	57.363	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	130338	52.513	ug/l	99
28) Bromochloromethane	5.01	49	82691	48.798	ug/l	99
29) Tetrahydrofuran	5.12	42	260677	262.934	ug/l	99
30) Chloroform	5.21	83	208904	53.746	ug/l	99
31) Cyclohexane	5.57	56	167885	51.220	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	184649	54.909	ug/l	99
36) 1,1-Dichloropropene	5.79	75	148032	54.337	ug/l	100
37) Ethyl Acetate	4.83	43	153298	54.952	ug/l	99
38) Carbon Tetrachloride	5.78	117	164228	57.849	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190269	53.855	ug/l	98
40) Benzene	6.14	78	452485	54.221	ug/l	99
41) Methacrylonitrile	5.04	41	86349	54.526	ug/l	97
42) 1,2-Dichloroethane	6.19	62	165745	57.122	ug/l	99
43) Isopropyl Acetate	6.44	43	256891	56.004	ug/l	99
44) Trichloroethene	7.21	130	133296	53.961	ug/l	92
45) 1,2-Dichloropropane	7.51	63	116899	55.036	ug/l	98
46) Dibromomethane	7.66	93	85896	56.594	ug/l	99
47) Bromodichloromethane	7.90	83	164109	60.742	ug/l	98
48) Methyl methacrylate	7.77	41	125996	56.385	ug/l	98
49) 1,4-Dioxane	7.74	88	66382	1062.004	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	844585	284.038	ug/l	100
52) Toluene	8.78	92	297171	54.206	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	181251	62.392	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	191956	59.382	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	127077	56.296	ug/l	98
56) Ethyl methacrylate	9.18	69	196205	59.422	ug/l	99
57) 1,3-Dichloropropane	9.37	76	200287	55.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	323367	205.158	ug/l	99
59) 2-Hexanone	9.49	43	678661	294.265	ug/l	99
60) Dibromochloromethane	9.58	129	143846	55.099	ug/l	100
61) 1,2-Dibromoethane	9.67	107	137115	57.237	ug/l	100
64) Tetrachloroethene	9.34	164	129890	53.609	ug/l	98
65) Chlorobenzene	10.13	112	343942	54.371	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	133108	59.871	ug/l	100
67) Ethyl Benzene	10.25	91	602093	55.918	ug/l	99
68) m/p-Xylenes	10.35	106	465942	112.811	ug/l	99
69) o-Xylene	10.69	106	226125	56.097	ug/l	98
70) Styrene	10.71	104	395642	58.879	ug/l	100
71) Bromoform	10.85	173	112035	55.072	ug/l #	99
73) Isopropylbenzene	11.02	105	616741	53.415	ug/l	99
74) N-amyl acetate	10.90	43	244945	55.521	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	200022	52.936	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	173462m	56.253	ug/l	
77) Bromobenzene	11.25	156	170409	53.506	ug/l	98
78) n-propylbenzene	11.36	91	710887	55.722	ug/l	100
79) 2-Chlorotoluene	11.42	91	418196	54.568	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	537691	55.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	65050	53.172	ug/l	99
82) 4-Chlorotoluene	11.51	91	497792	55.807	ug/l	99
83) tert-Butylbenzene	11.77	119	526506	55.557	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	542537	55.792	ug/l	100
85) sec-Butylbenzene	11.94	105	624778	56.264	ug/l	99
86) p-Isopropyltoluene	12.06	119	586249	57.106	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	308452	55.808	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	309110	54.530	ug/l	98
89) n-Butylbenzene	12.38	91	518541	59.041	ug/l	100
90) Hexachloroethane	12.59	117	96895	59.841	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	300648	54.886	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45838	58.034	ug/l	96

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ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	213892	57.617	ug/l	98
94) Hexachlorobutadiene	13.78	225	104878	57.010	ug/l	98
95) Naphthalene	13.83	128	626366	57.138	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	212952	57.653	ug/l	98

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

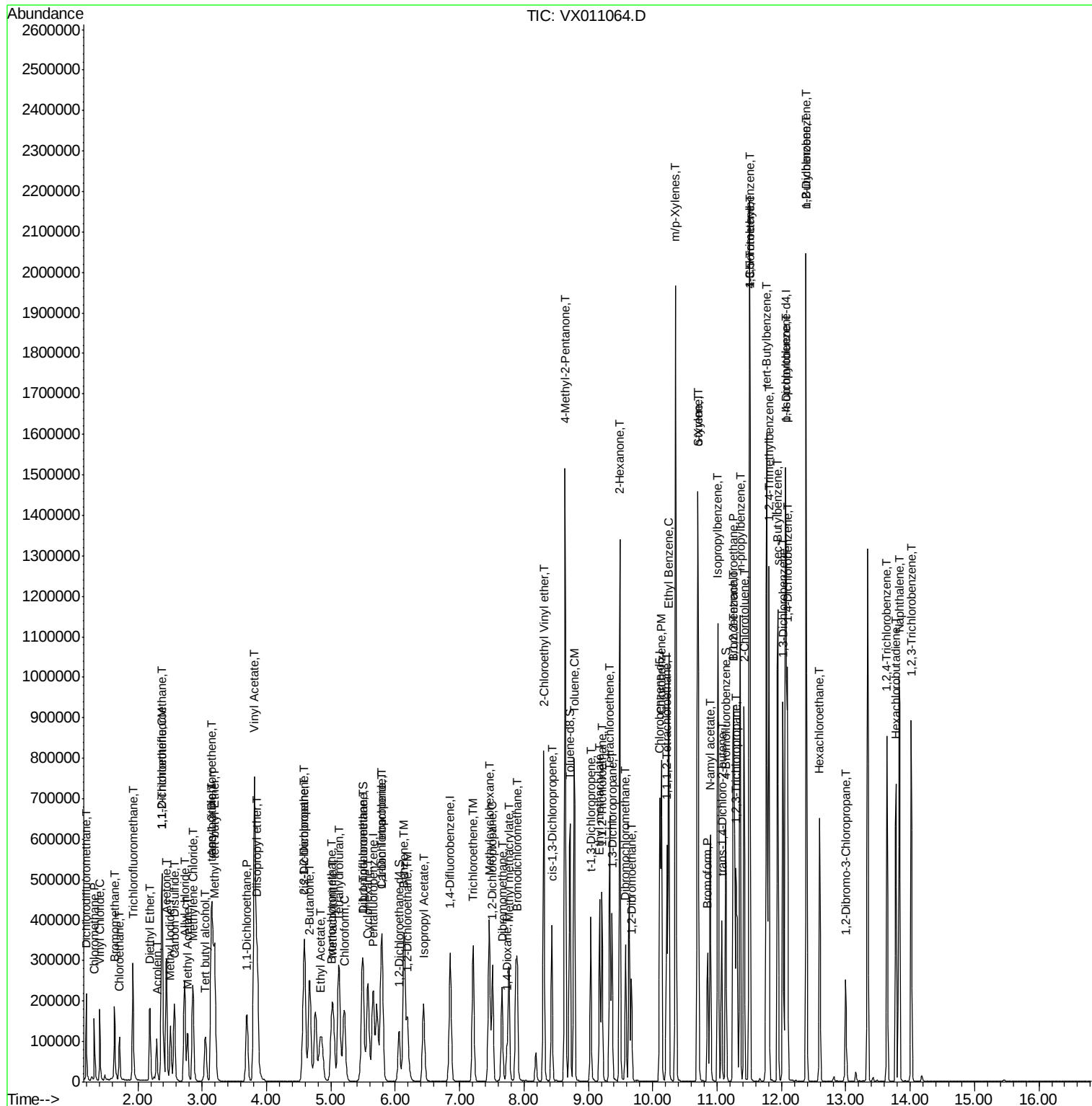
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072519\
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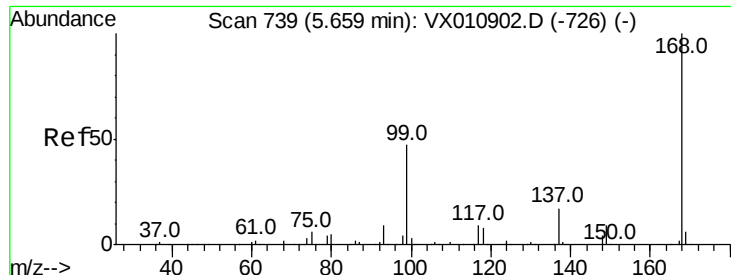
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 226919

Ion Ratio Lower Upper

168 100

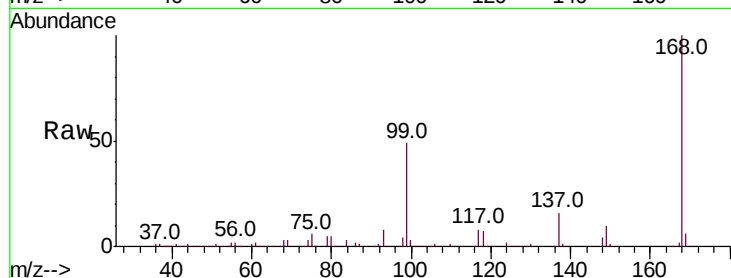
99 48.8 37.6 56.4

Manual Integrations

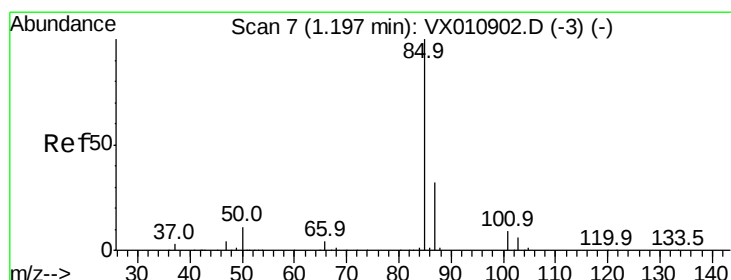
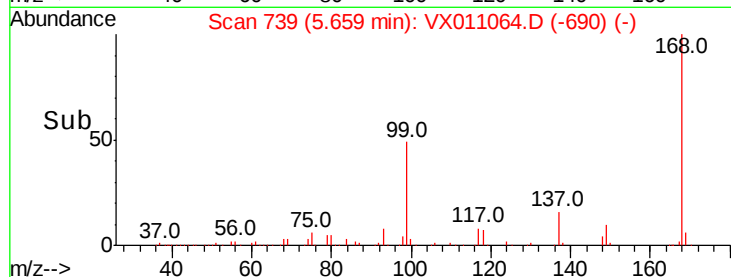
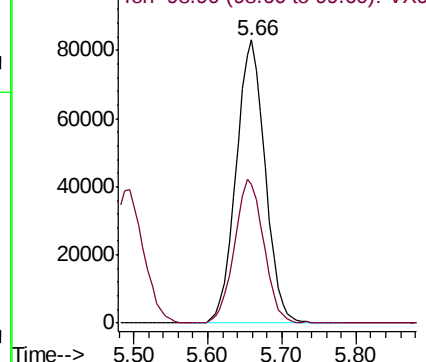
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7/26/2019 9:49:15 AM



Abundance Ion 167.90 (167.60 to 168.60): VX011064.D (-690) (-)



#2

Dichlorodifluoromethane

Concen: 50.346 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011064.D

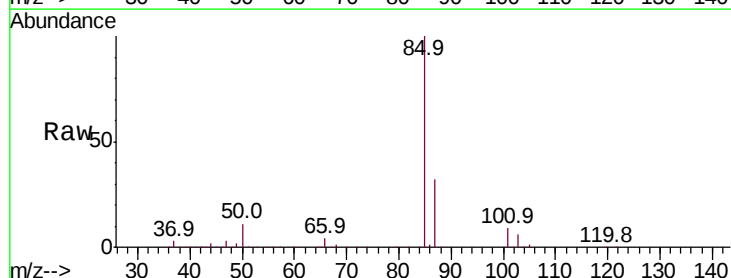
Acq: 25 Jul 2019 09:25

Tgt Ion: 85 Resp: 121829

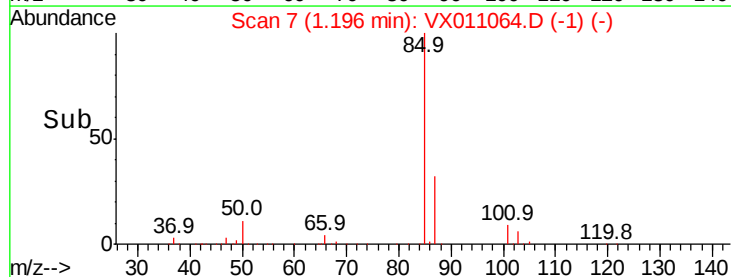
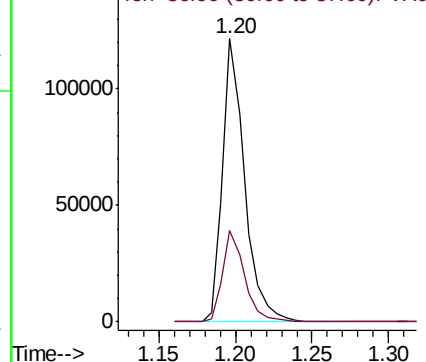
Ion Ratio Lower Upper

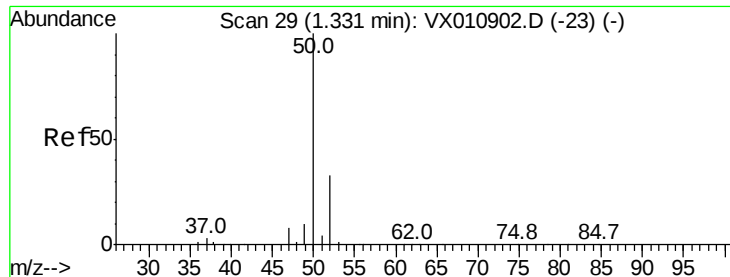
85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX011064.D (-1) (-)





#3

Chloromethane

Concen: 49.654 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 103615

Ion Ratio Lower Upper

50 100

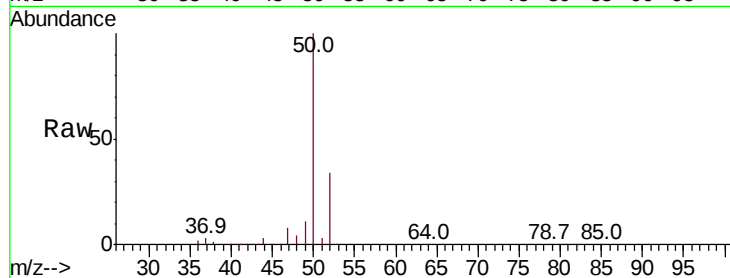
52 34.0 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

60000

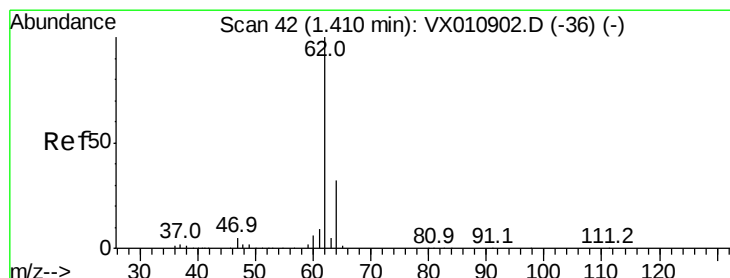
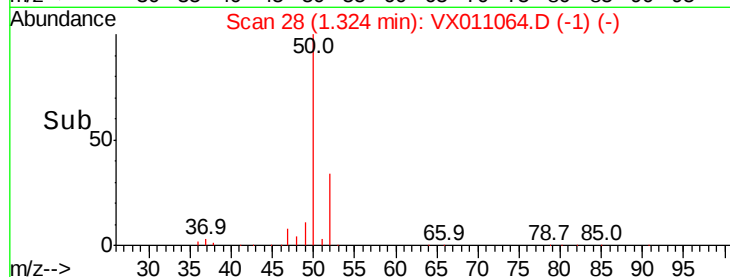
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 50.908 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011064.D

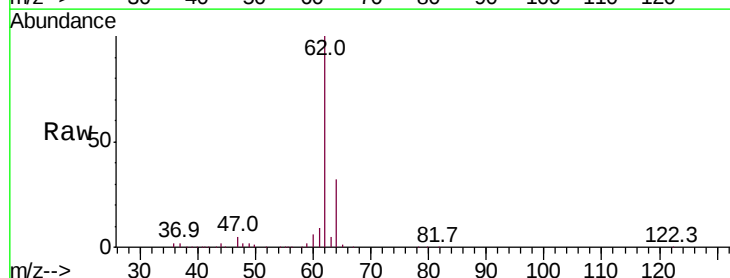
Acq: 25 Jul 2019 09:25

Tgt Ion: 62 Resp: 108355

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

120000

100000

80000

60000

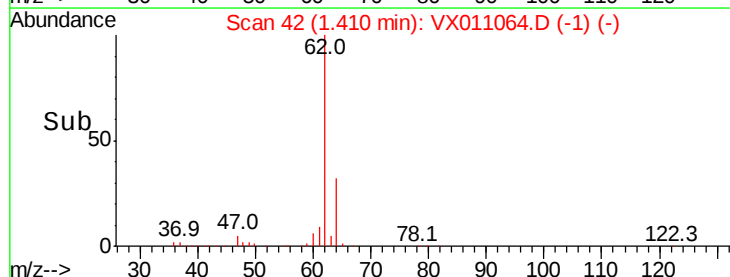
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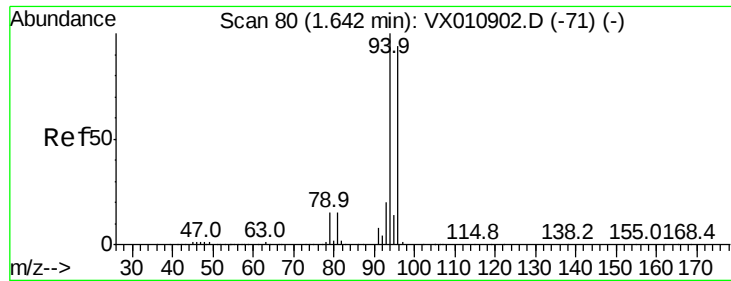
20000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 48.912 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58667

Ion Ratio Lower Upper

94 100

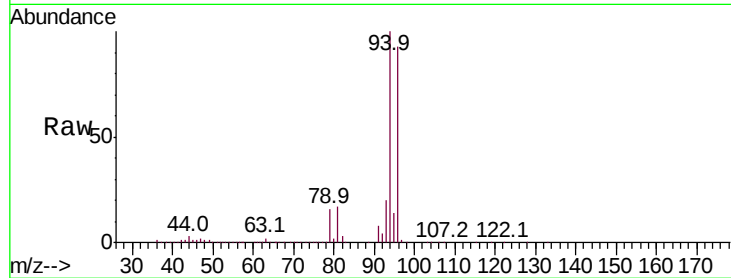
96 93.2 75.6 113.4

Manual Integrations

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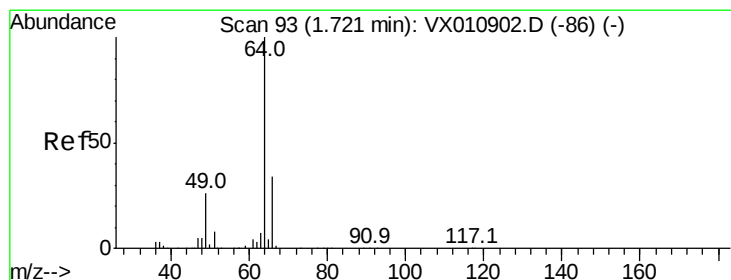
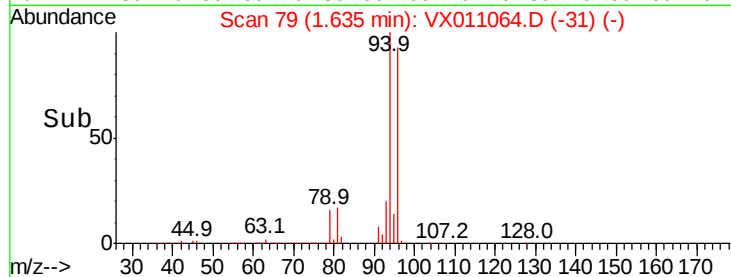
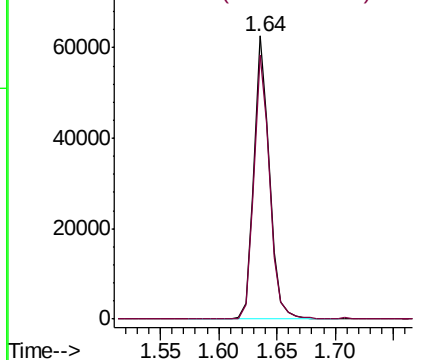
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.350 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011064.D

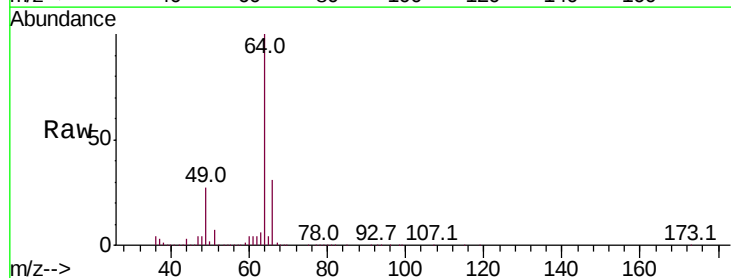
Acq: 25 Jul 2019 09:25

Tgt Ion: 64 Resp: 68104

Ion Ratio Lower Upper

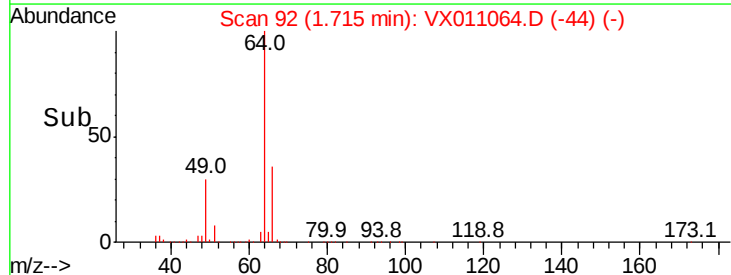
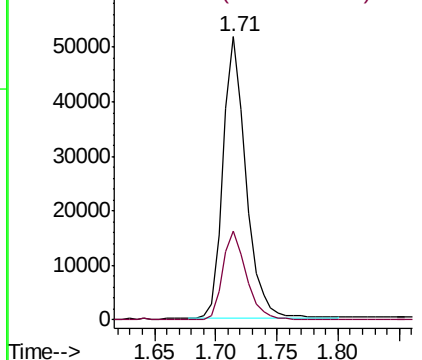
64 100

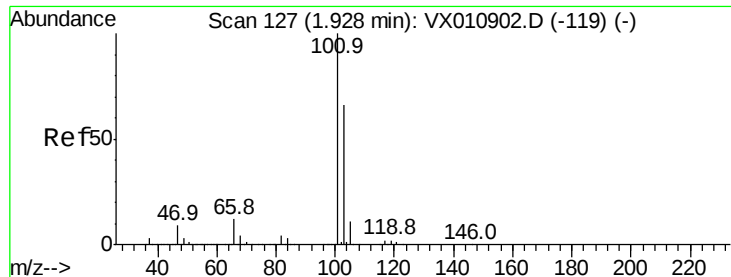
66 31.2 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

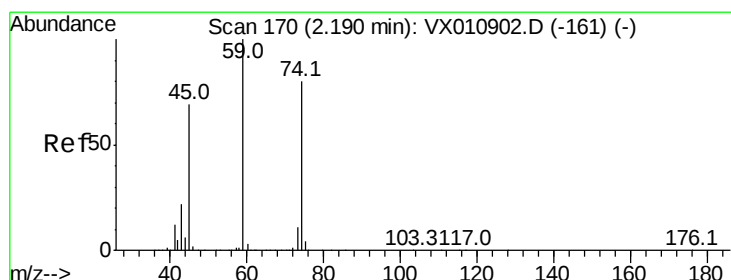
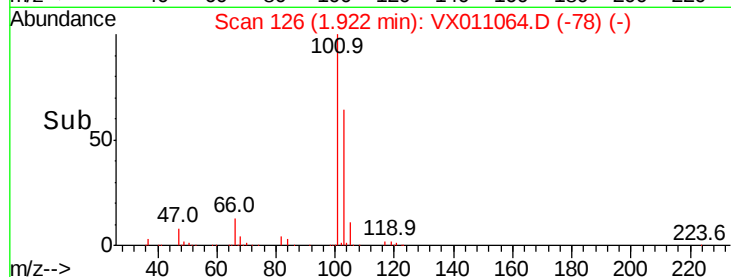
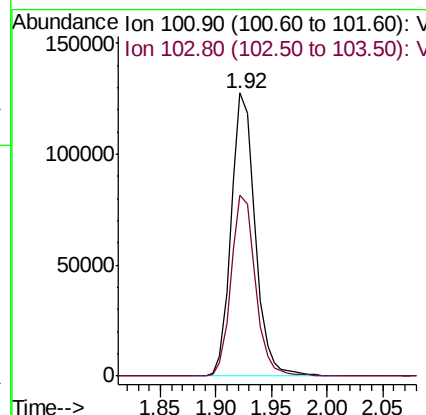
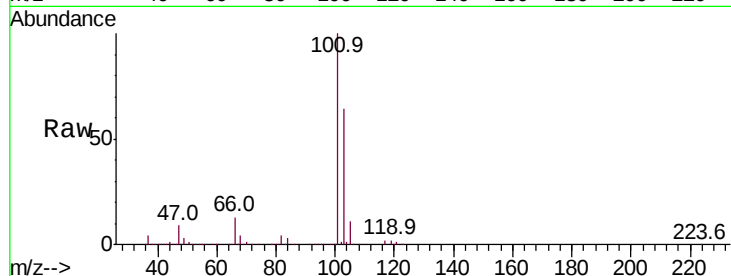
Trichlorofluoromethane
Concen: 52.869 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.6	78.8

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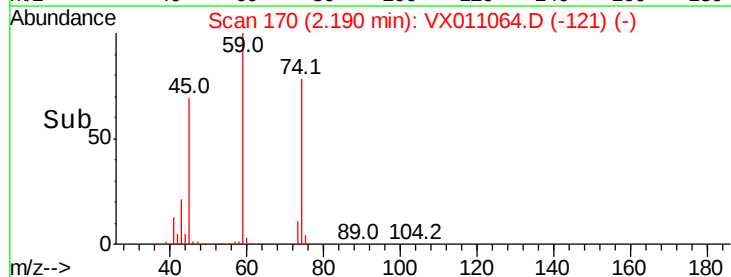
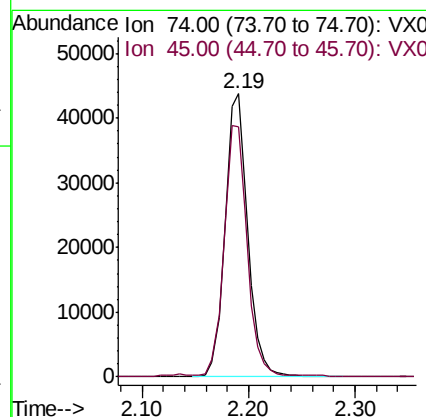
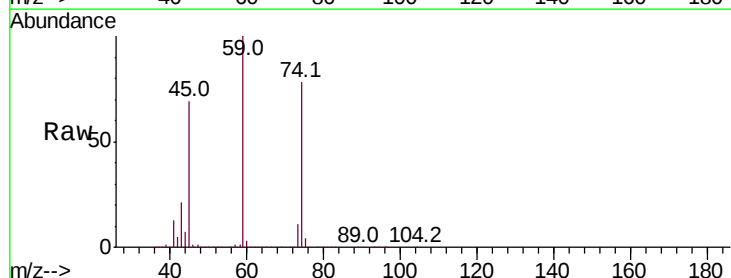
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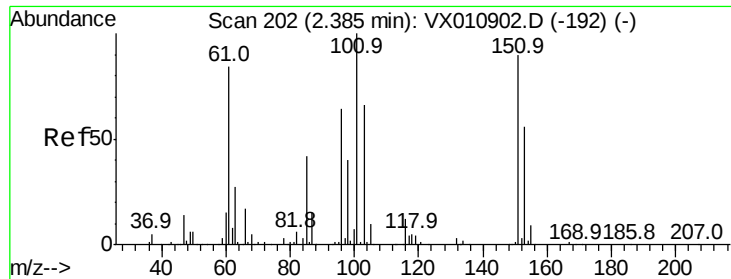


#8

Diethyl Ether
Concen: 52.400 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.9	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.404 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

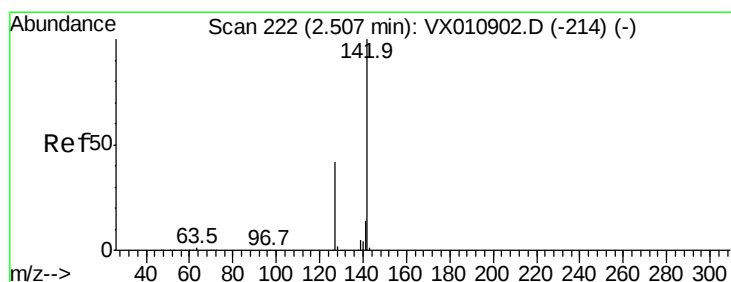
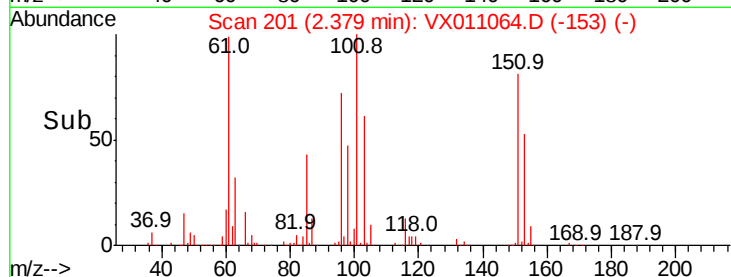
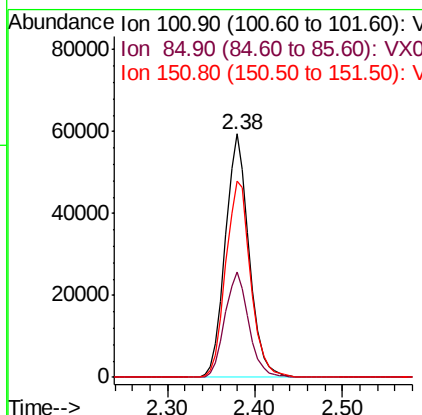
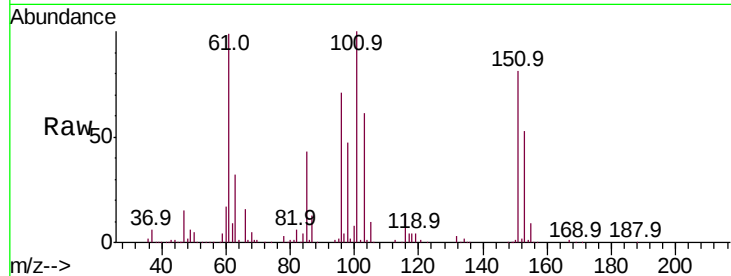
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	111921
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.6	52.0
151	84.7	69.6	104.4

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#10

Methyl Iodide

Concen: 53.118 ug/l

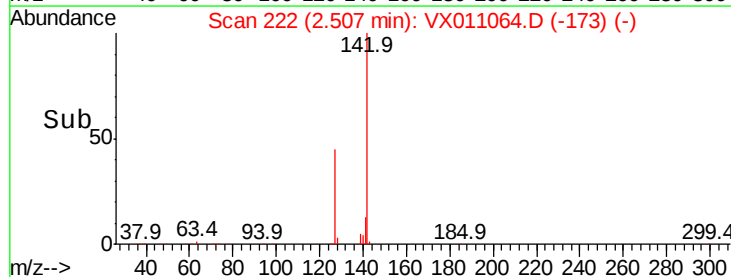
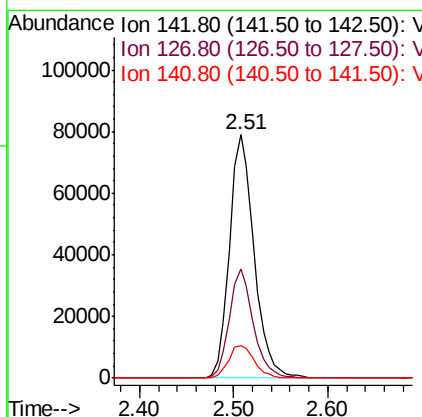
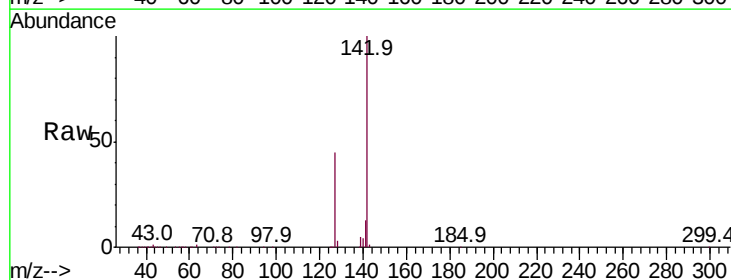
RT: 2.51 min Scan# 222

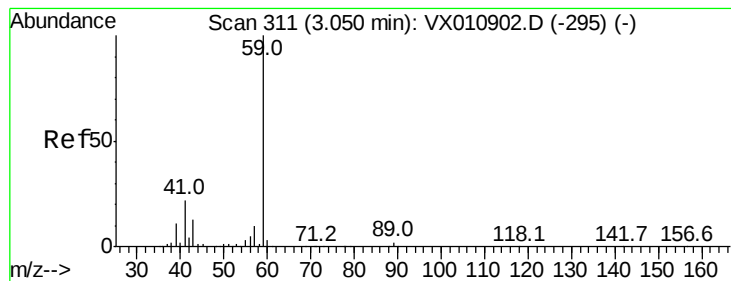
Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	142	Resp:	143400
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.2	51.4
141	14.2	11.7	17.5





#11

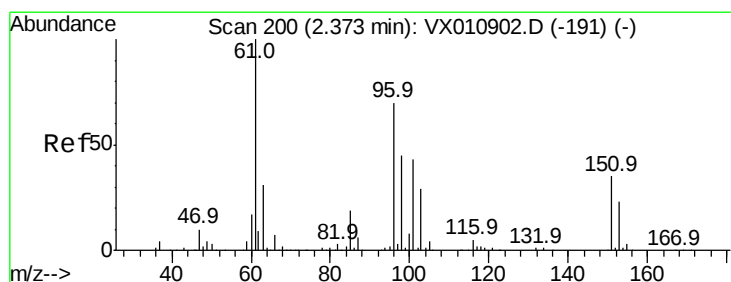
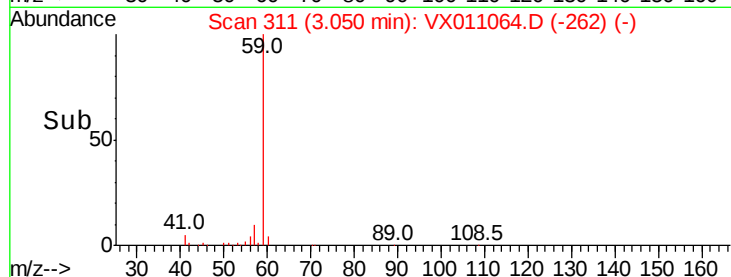
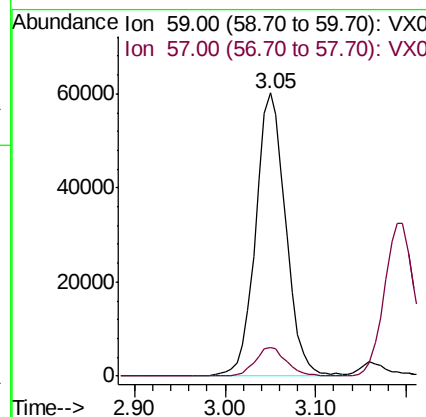
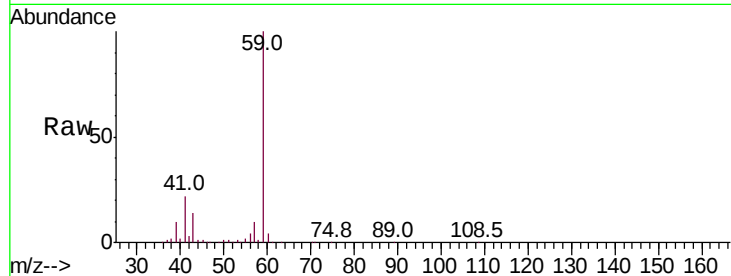
Tert butyl alcohol
Concen: 245.443 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	137992
Ion Ratio	100	Lower	Upper
57	10.3	7.9	11.9

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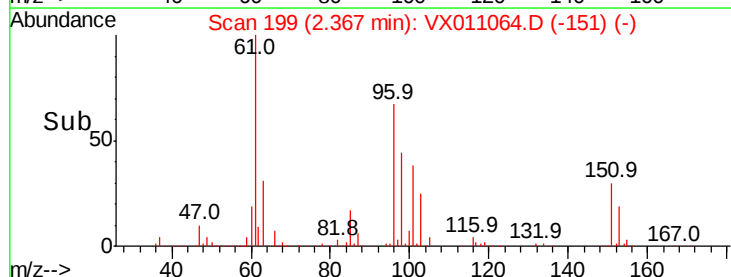
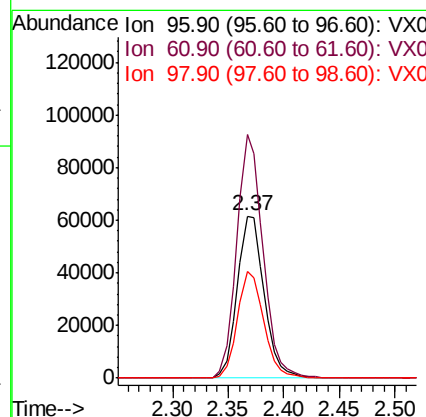
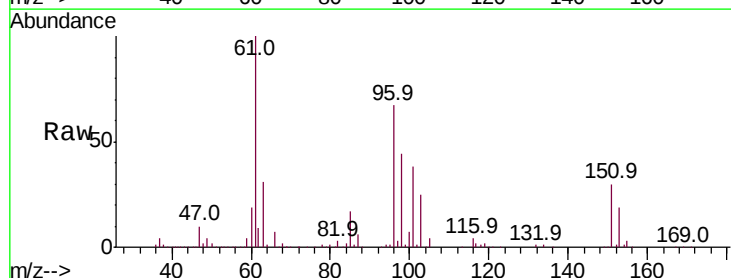
MMDadoda
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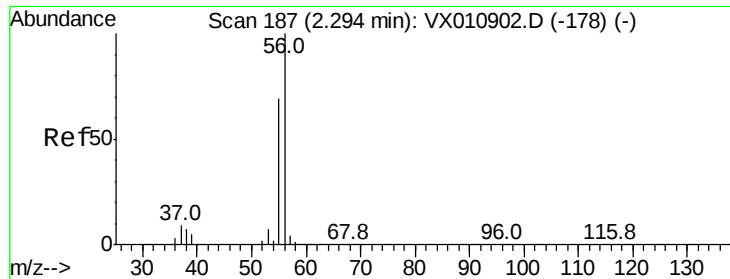


#12

1,1-Dichloroethene
Concen: 51.168 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	96	Resp	103422
Ion Ratio	100	Lower	Upper
61	150.3	115.0	172.4
98	65.8	52.2	78.2





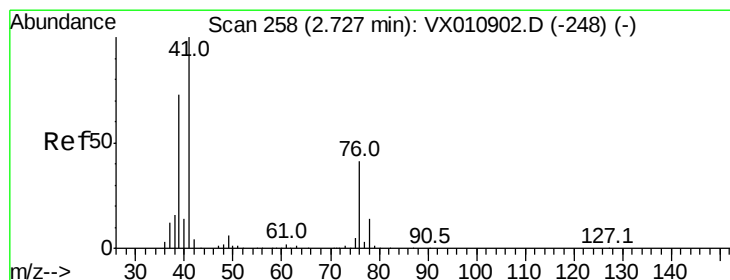
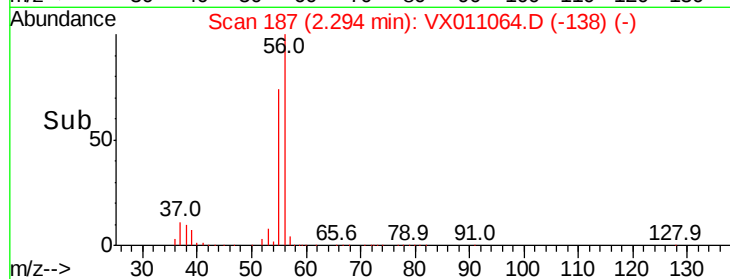
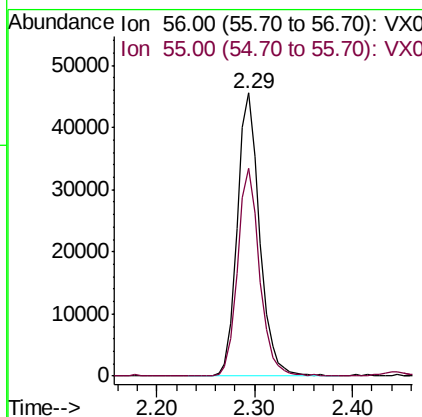
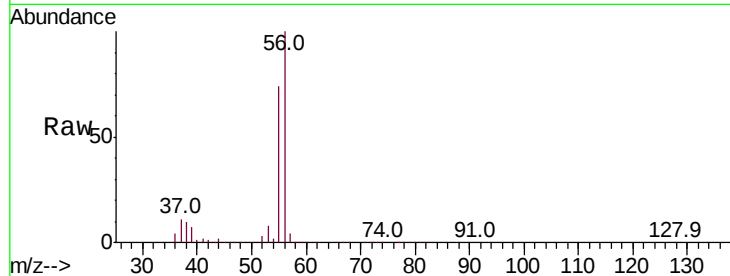
#13
Acrolein
Concen: 223.487 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	72595
Ion Ratio	100	Lower	Upper
55	72.2	55.9	83.9

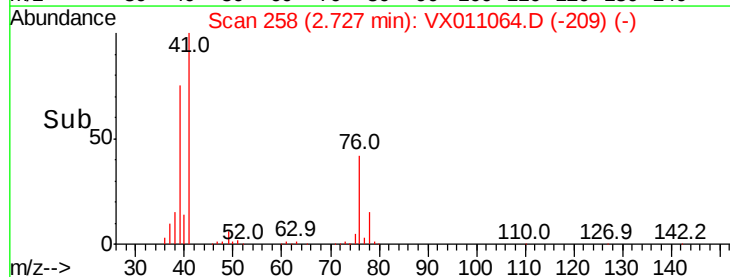
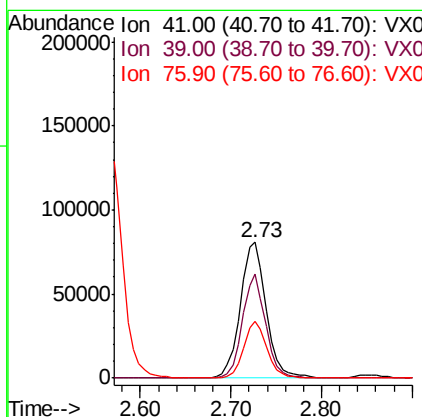
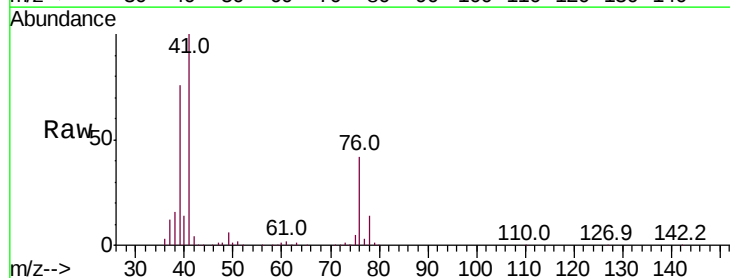
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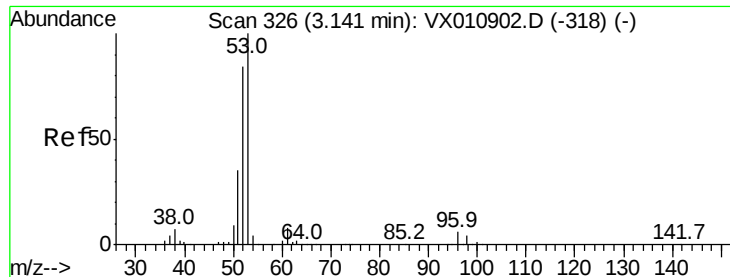
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#14
Allyl chloride
Concen: 53.932 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	41	Resp	158340
Ion Ratio	100	Lower	Upper
39	68.3	53.6	80.4
76	37.3	29.7	44.5





#15

Acrylonitrile

Concen: 261.062 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

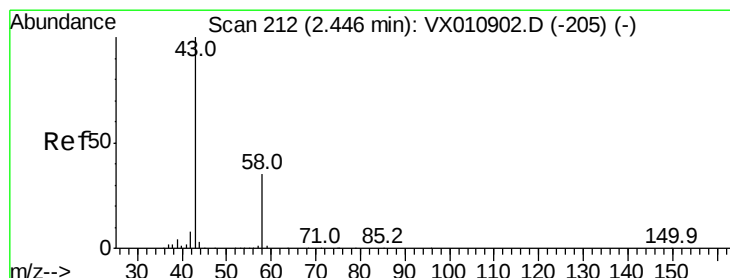
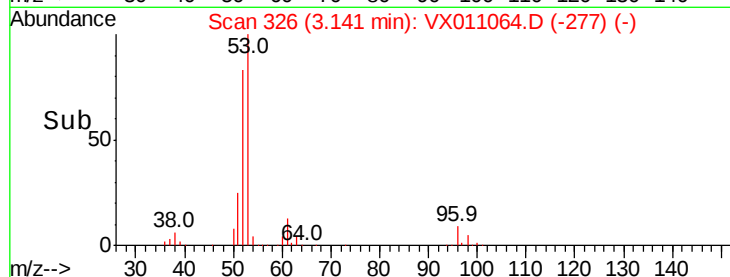
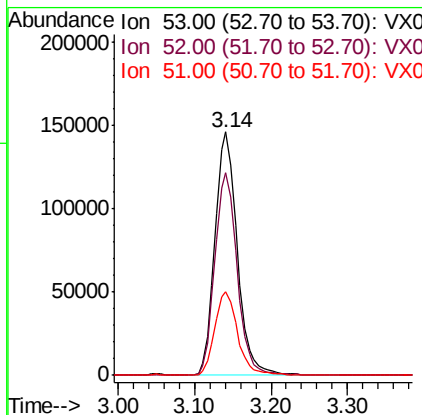
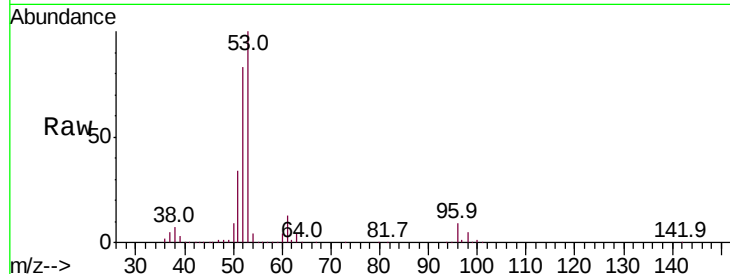
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	296583
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 293.100 ug/l

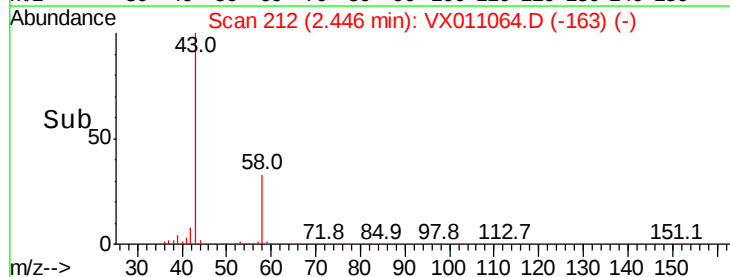
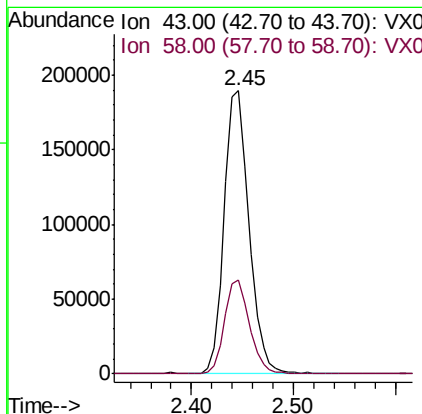
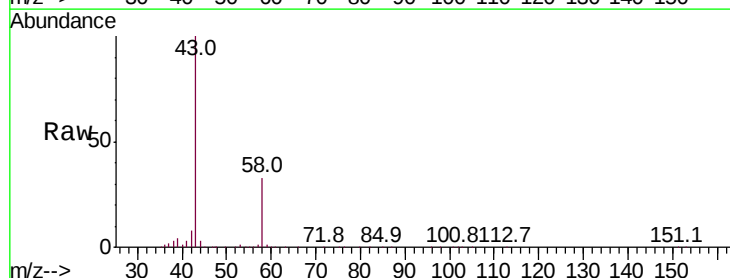
RT: 2.45 min Scan# 212

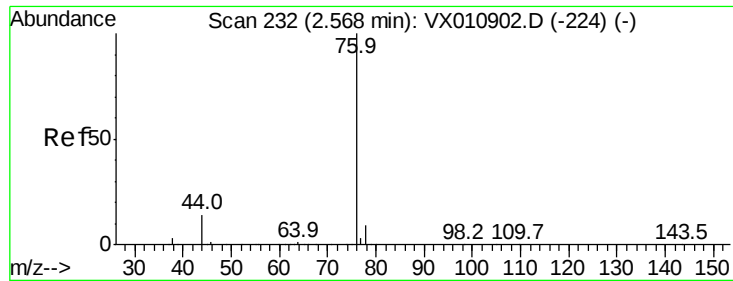
Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	43	Resp:	319571
Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.7	41.5





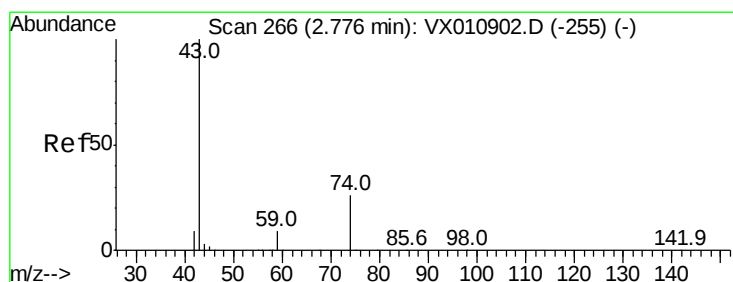
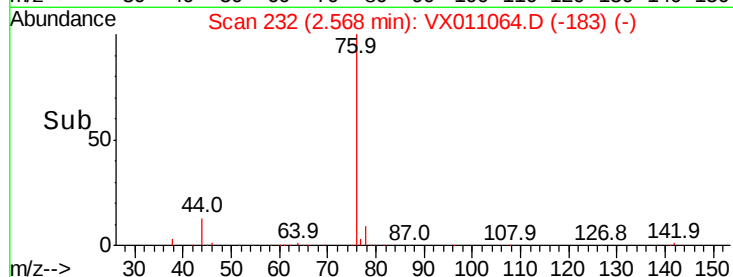
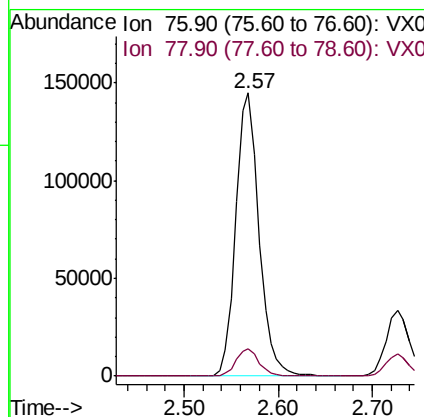
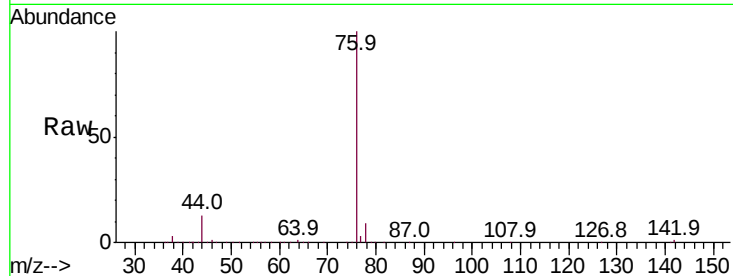
#17
Carbon Disulfide
Concen: 47.885 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 248272
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

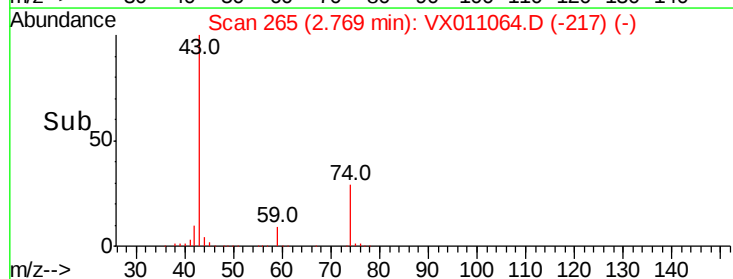
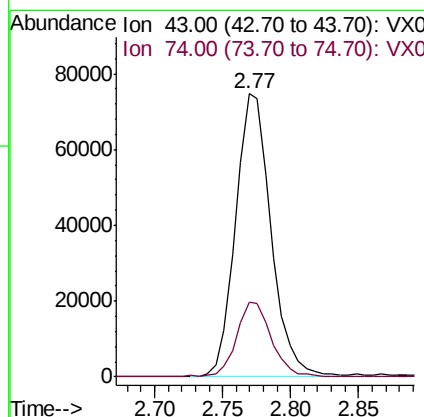
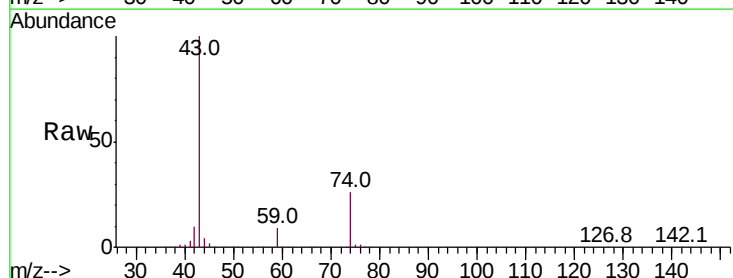
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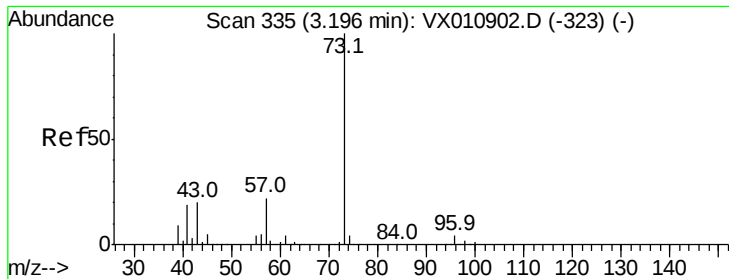
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#18
Methyl Acetate
Concen: 54.412 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion: 43 Resp: 135087
Ion Ratio Lower Upper
43 100
74 26.6 21.5 32.3





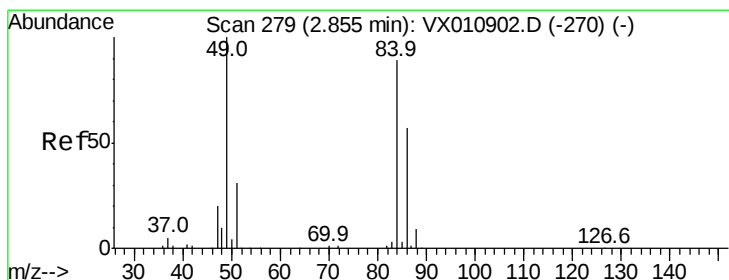
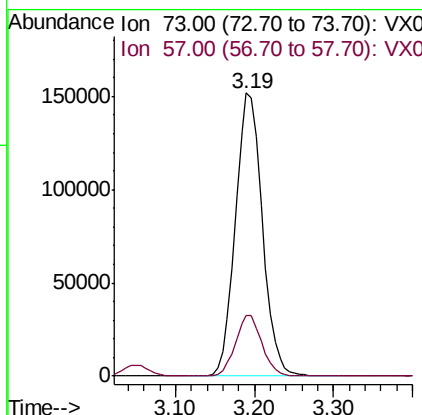
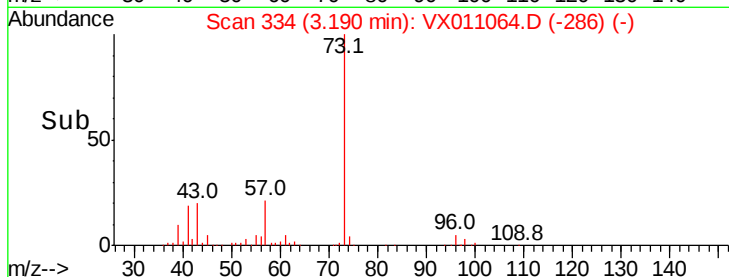
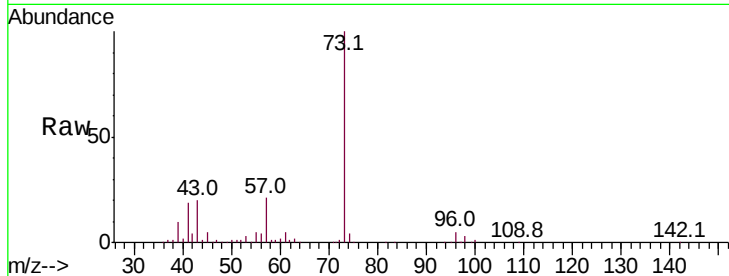
#19
Methyl tert-butyl Ether
Concen: 55.512 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 361202
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9

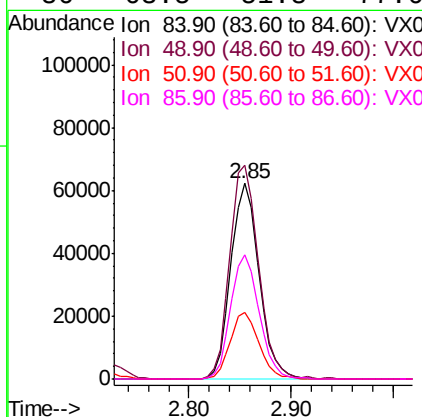
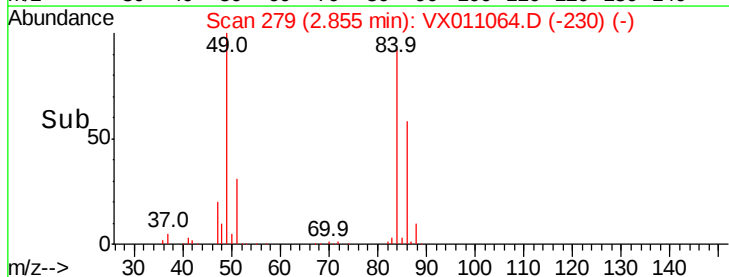
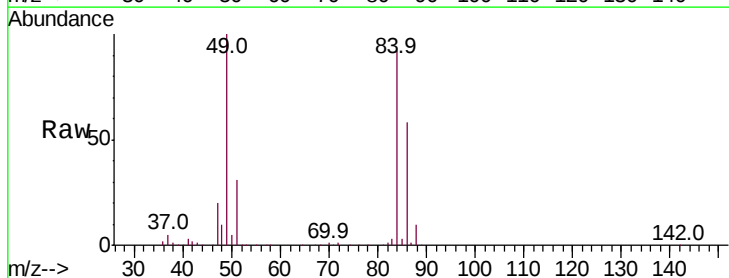
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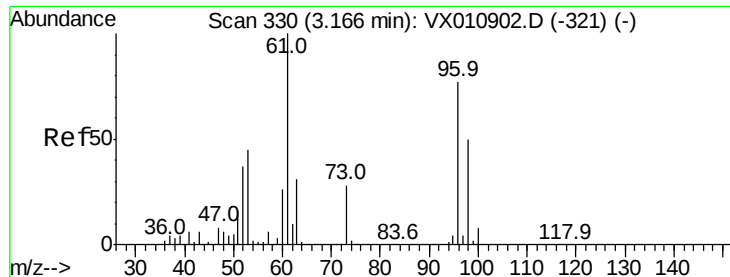
MMDadoda
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#20
Methylene Chloride
Concen: 51.670 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion: 84 Resp: 119389
Ion Ratio Lower Upper
84 100
49 109.0 89.9 134.9
51 34.2 27.8 41.6
86 63.5 51.8 77.6





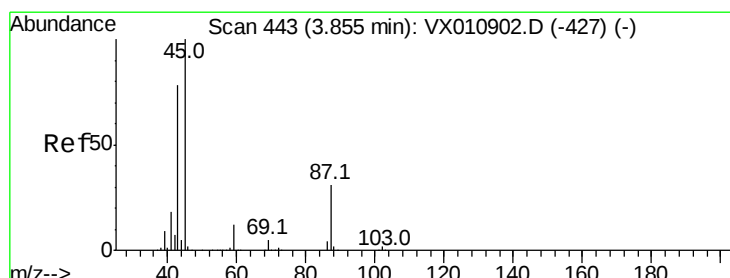
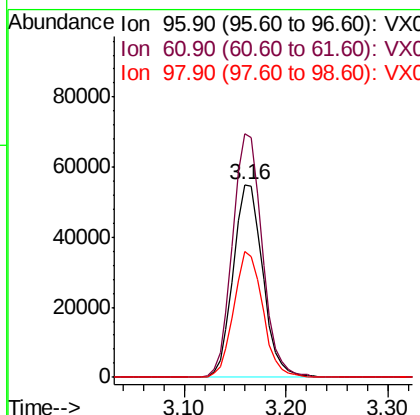
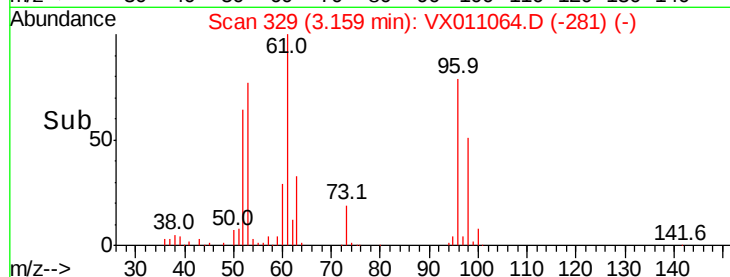
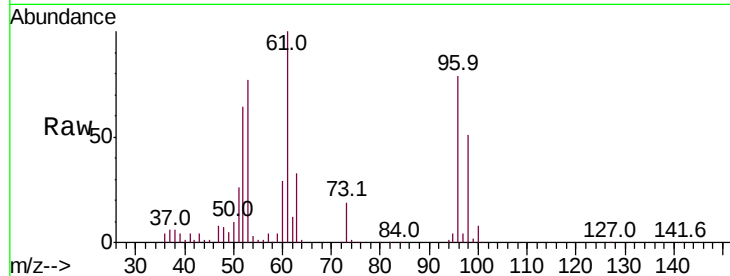
#21
trans-1,2-Dichloroethene
Concen: 51.515 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.3	104.2	156.2
98	65.1	52.2	78.4

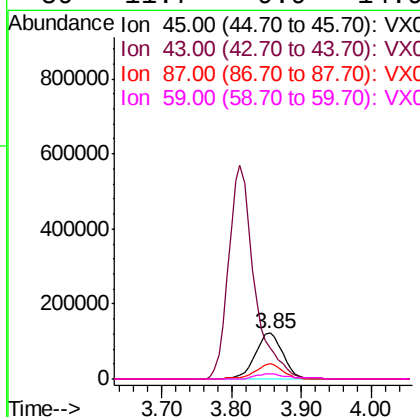
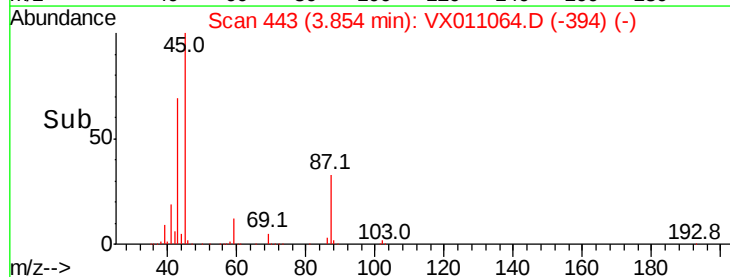
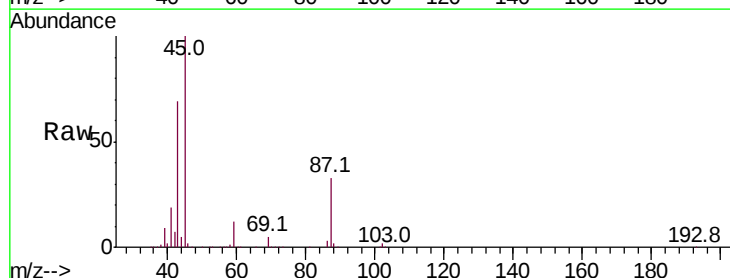
Manual Integrations
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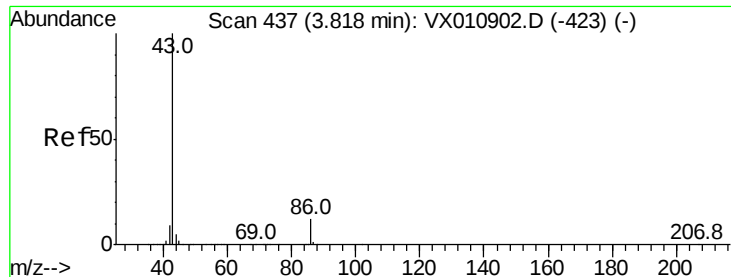
MMDadoda
7/26/2019 9:49:15 AM



#22
Diisopropyl ether
Concen: 54.227 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.7	62.3	93.5
87	32.7	25.0	37.4
59	11.7	9.9	14.9





#23

Vinyl Acetate

Concen: 279.151 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1464555

Ion Ratio Lower Upper

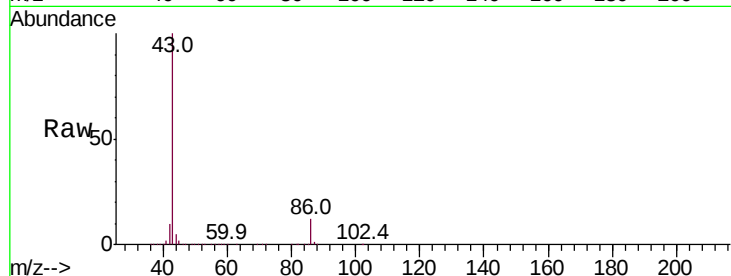
43 100

86 11.6 9.4 14.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

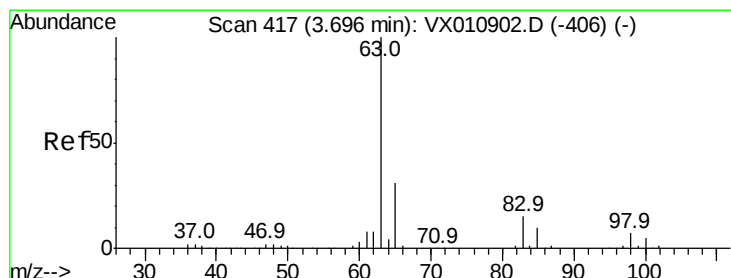
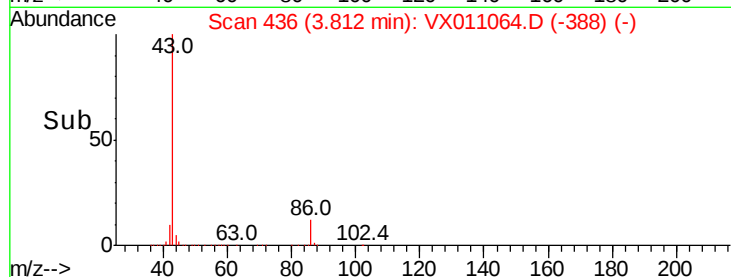
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.769 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

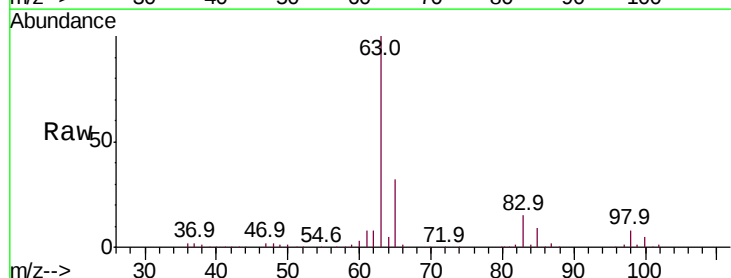
Tgt Ion: 63 Resp: 189759

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

100000

80000

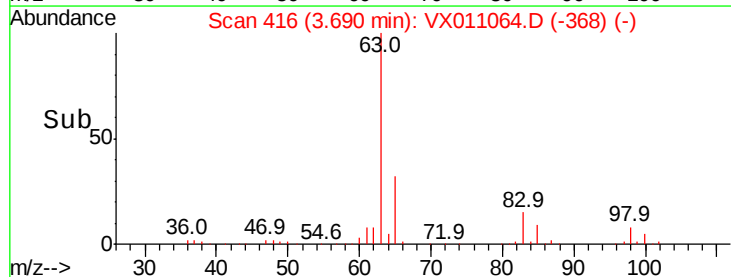
60000

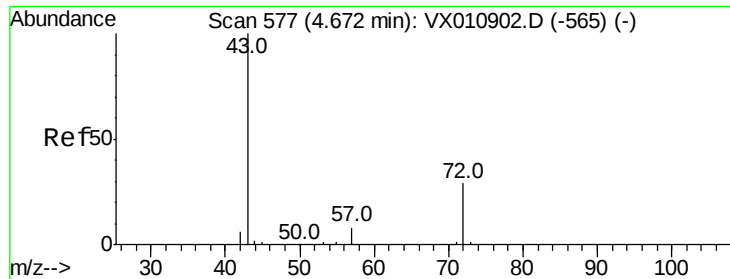
40000

20000

0

Time-->





#25

2-Butanone

Concen: 278.332 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 435626

Ion Ratio Lower Upper

43 100

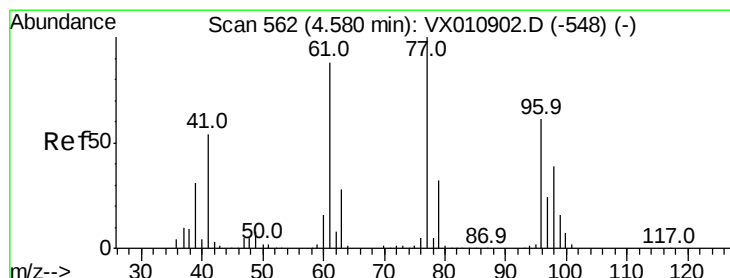
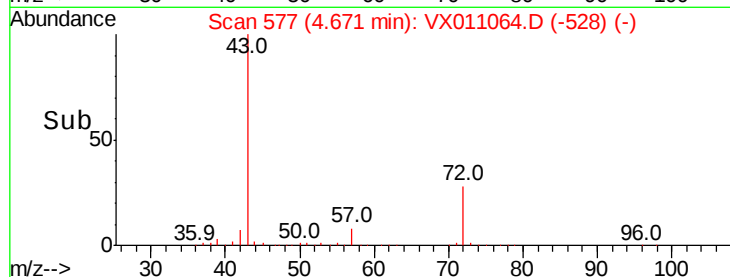
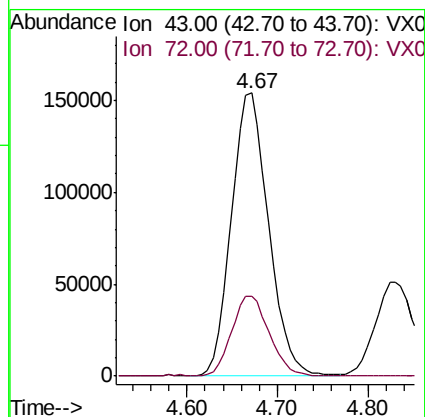
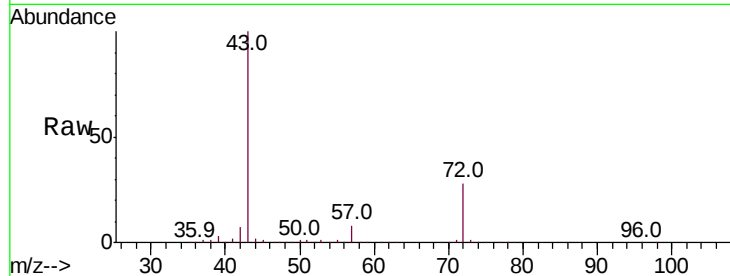
72 28.0 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 57.363 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011064.D

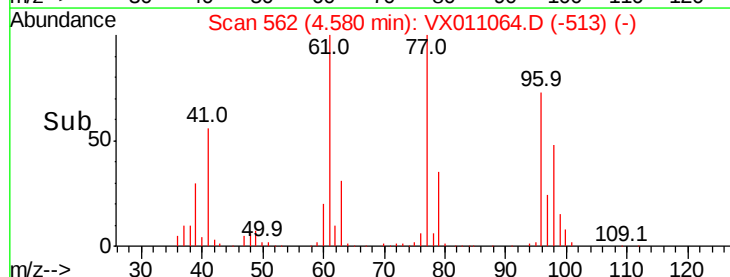
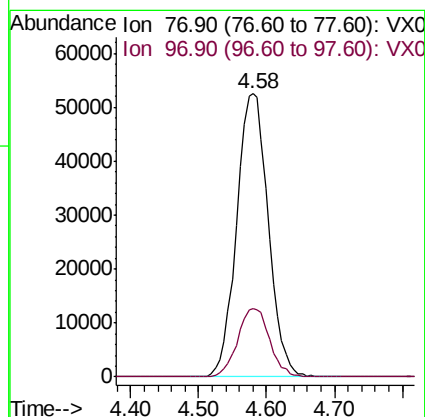
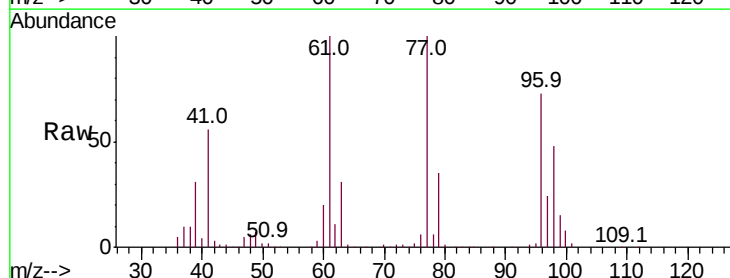
Acq: 25 Jul 2019 09:25

Tgt Ion: 77 Resp: 169373

Ion Ratio Lower Upper

77 100

97 24.3 12.6 37.6





#27

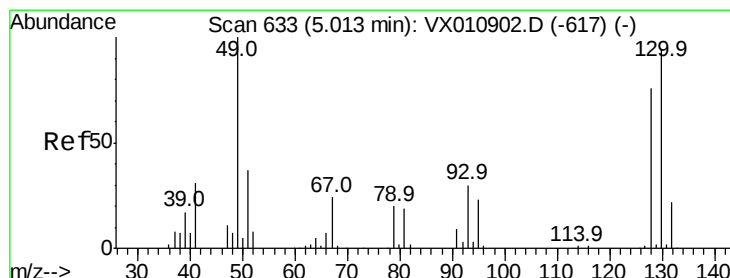
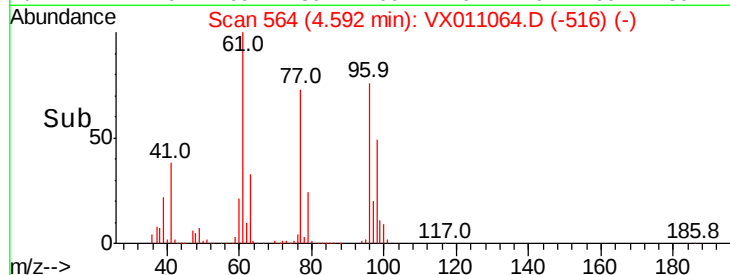
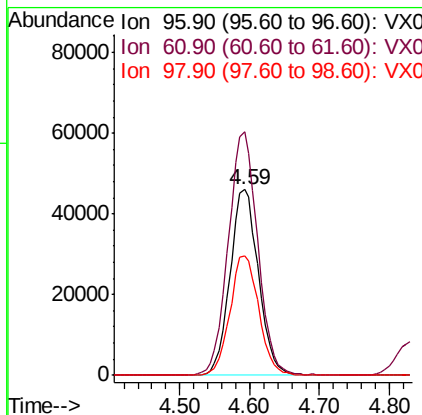
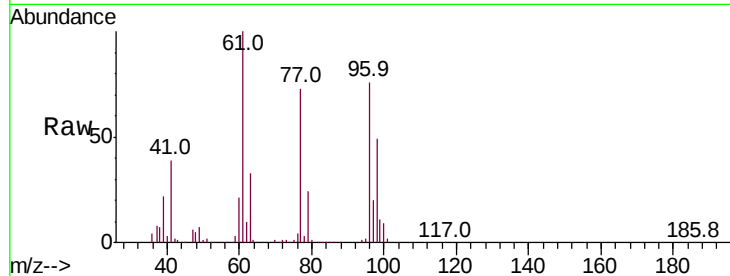
cis-1,2-Dichloroethene
Concen: 52.513 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.4	0.0	269.0	
98	65.2	0.0	131.4	

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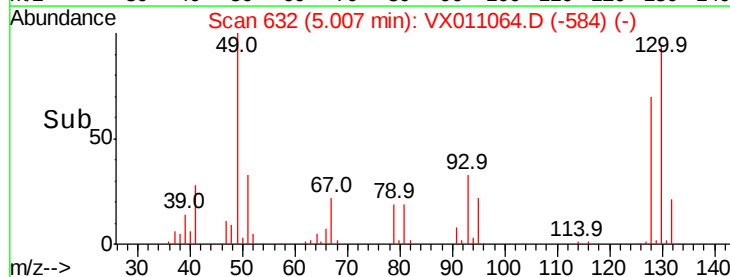
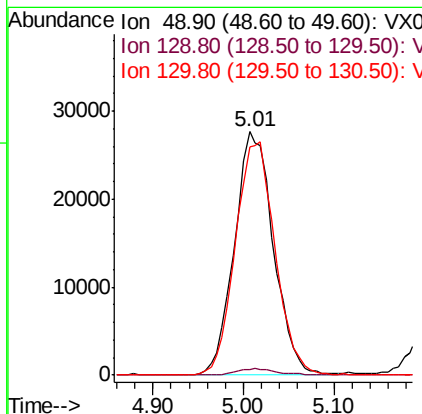
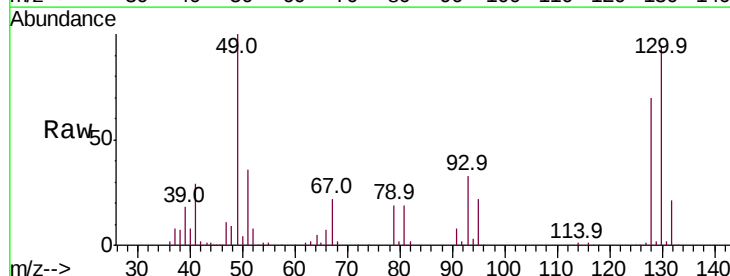
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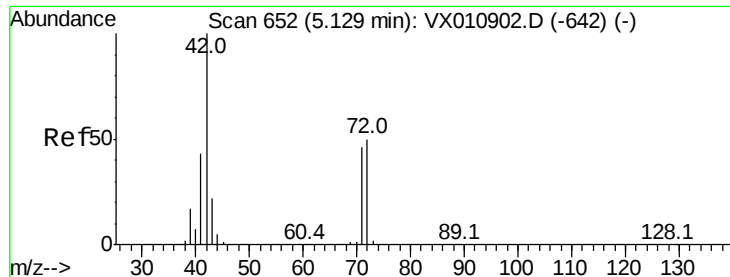


#28

Bromochloromethane
Concen: 48.798 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	5.2	
130	97.4	76.9	115.3	





#29

Tetrahydrofuran

Concen: 262.934 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

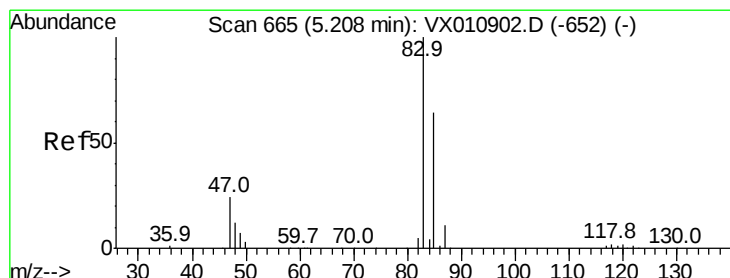
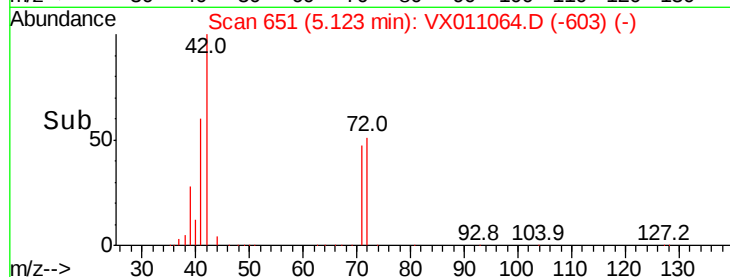
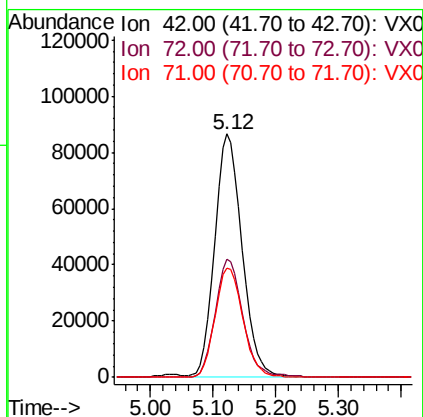
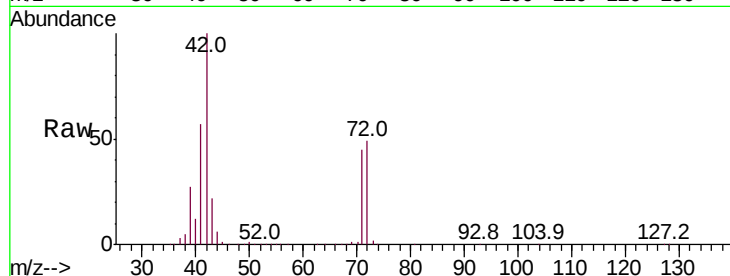
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	260677
Ion Ratio		Lower	Upper
42	100		
72	49.1	39.8	59.8
71	45.8	37.0	55.4

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#30

Chloroform

Concen: 53.746 ug/l

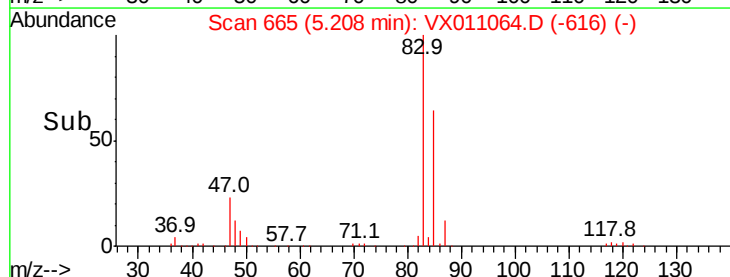
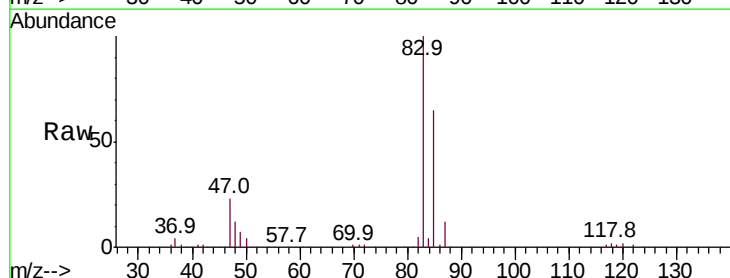
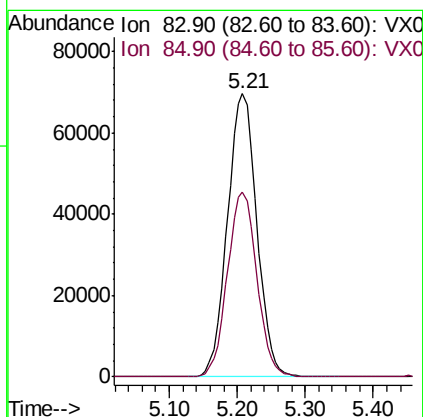
RT: 5.21 min Scan# 665

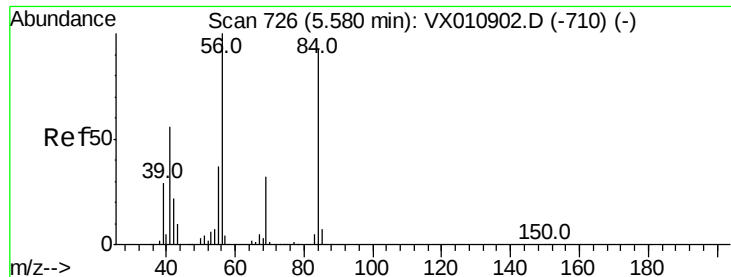
Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	83	Resp:	208904
Ion Ratio		Lower	Upper
83	100		
85	65.2	51.4	77.0





#31

Cyclohexane

Concen: 51.220 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 167885

Ion Ratio Lower Upper

56 100

69 30.9 25.8 38.8

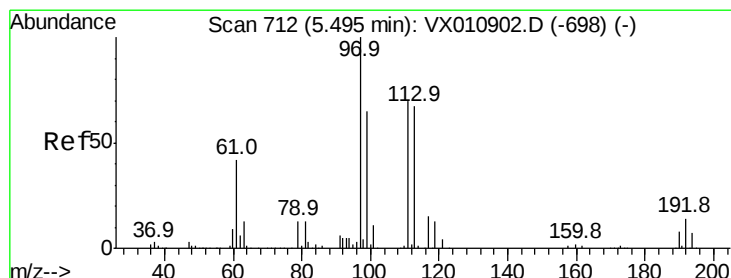
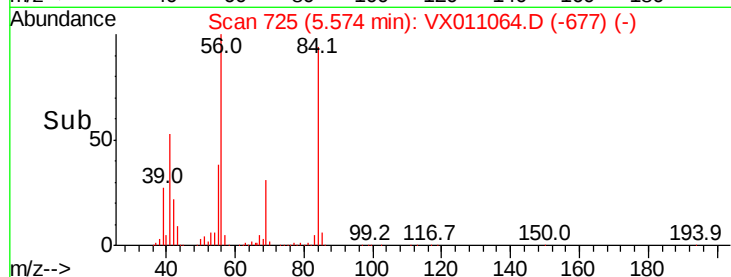
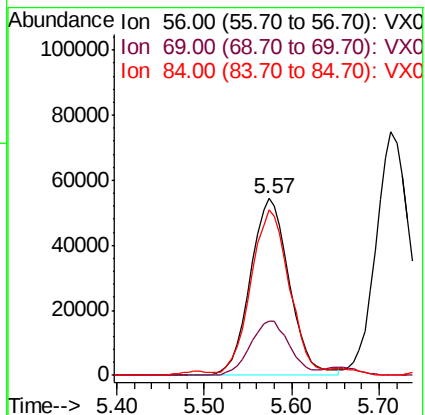
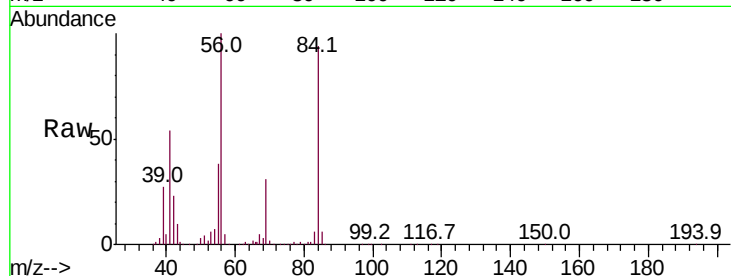
84 91.7 73.8 110.6

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#32

1,1,1-Trichloroethane

Concen: 54.909 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

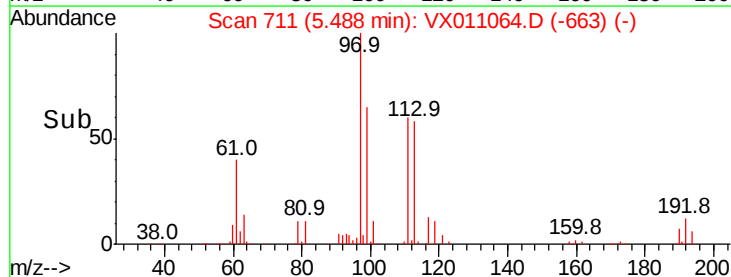
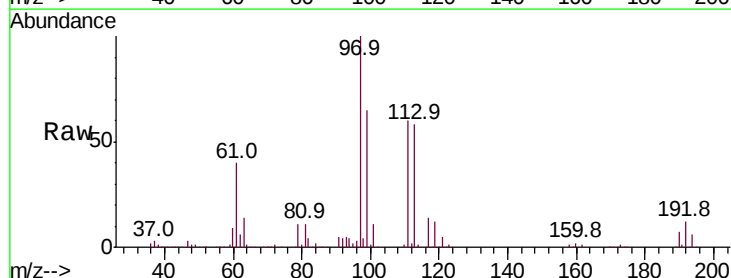
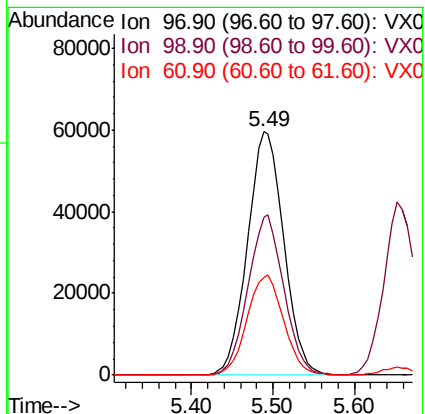
Tgt Ion: 97 Resp: 184649

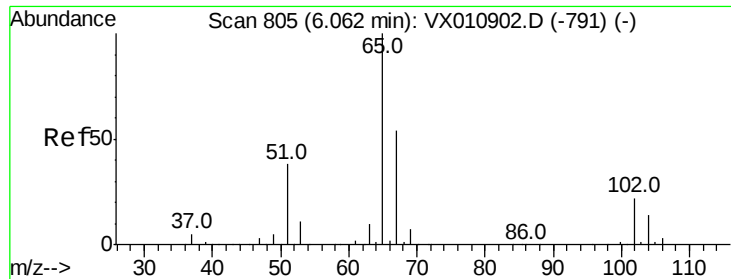
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

61 41.6 33.0 49.6





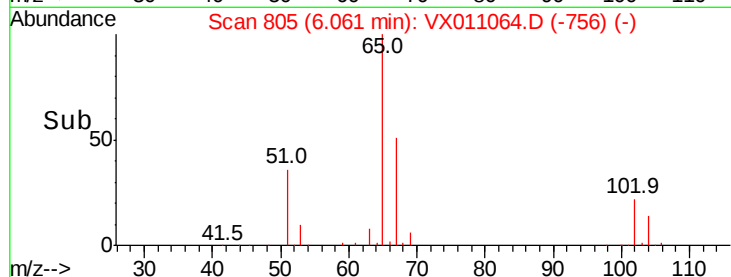
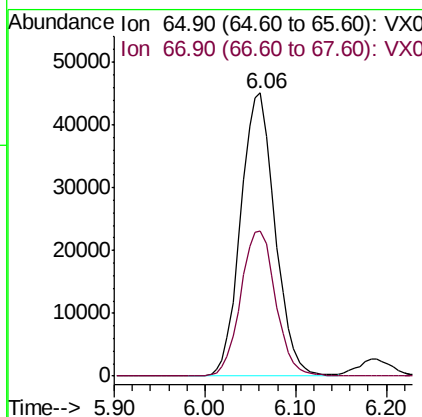
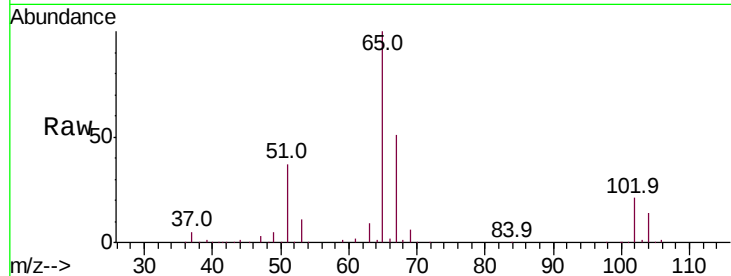
#33
 1,2-Dichloroethane-d4
 Concen: 49.078 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011064.D
 Acq: 25 Jul 2019 09:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.8

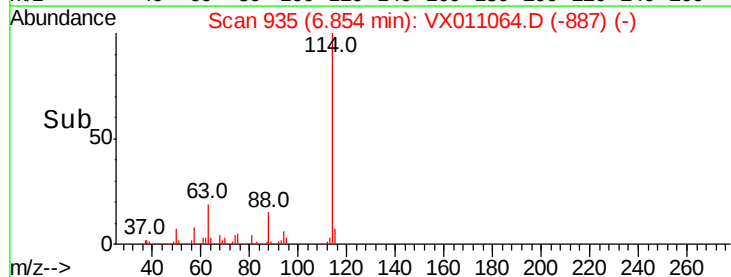
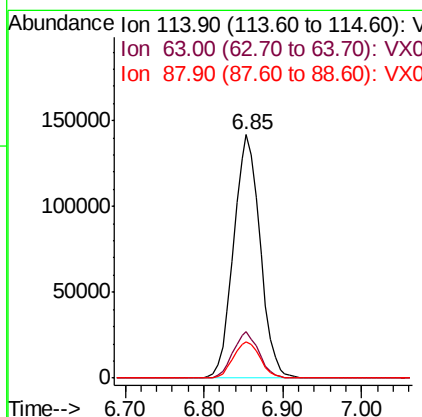
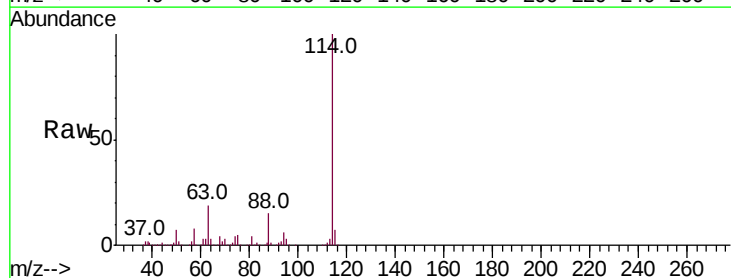
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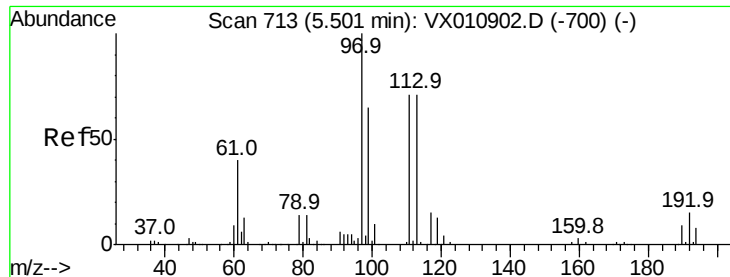
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX011064.D
 Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	35.6
88	15.1	0.0	29.8





#35

Dibromofluoromethane

Concen: 49.930 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

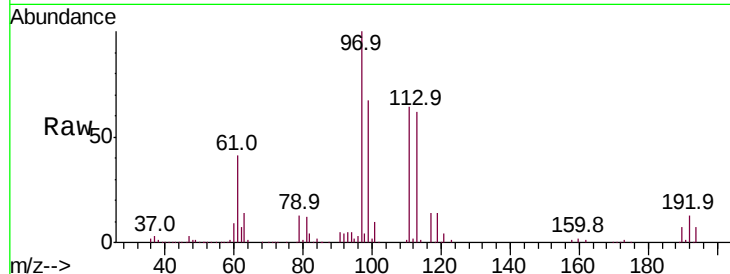
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	105112
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.3	123.5
192	21.7	17.4	26.2

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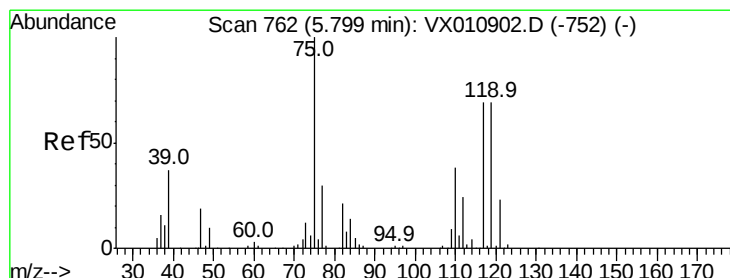
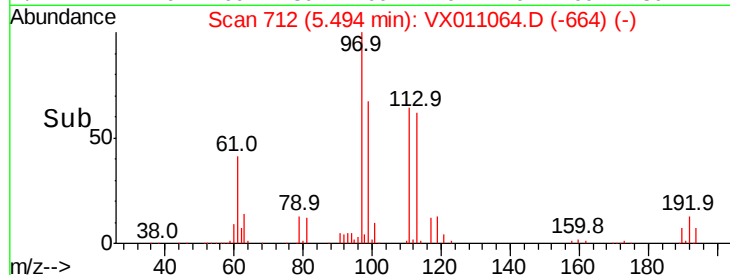
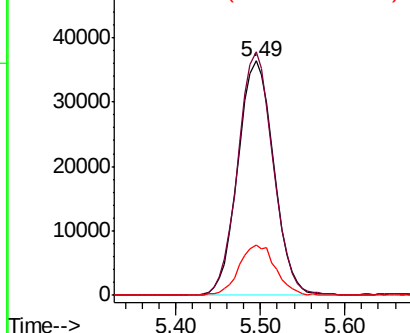


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 54.337 ug/l

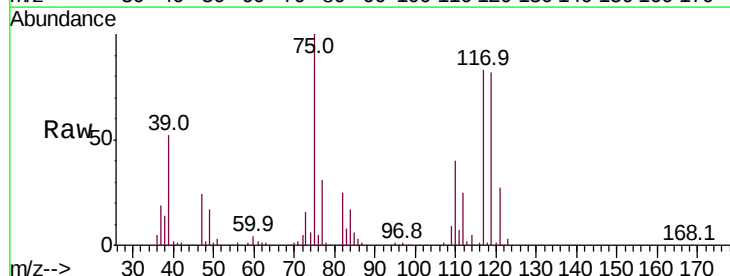
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	75	Resp:	148032
Ion	Ratio	Lower	Upper
75	100		
110	39.5	19.9	59.7
77	31.1	25.0	37.4

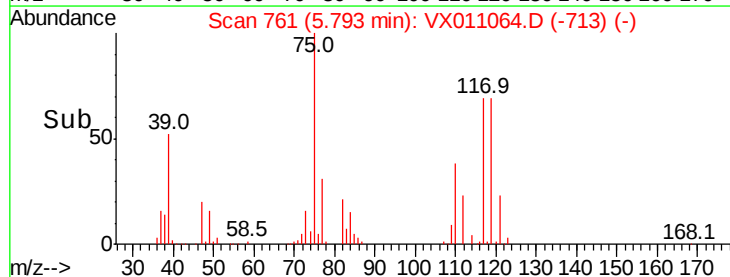
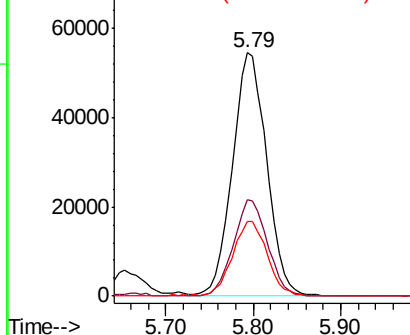


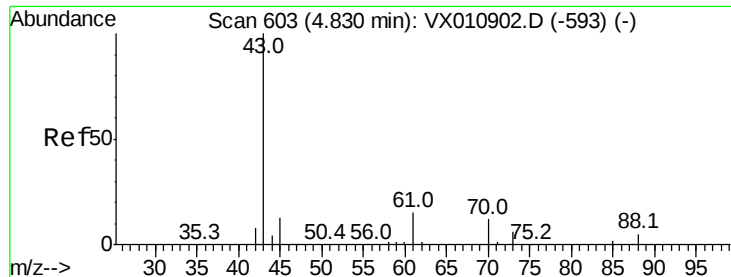
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





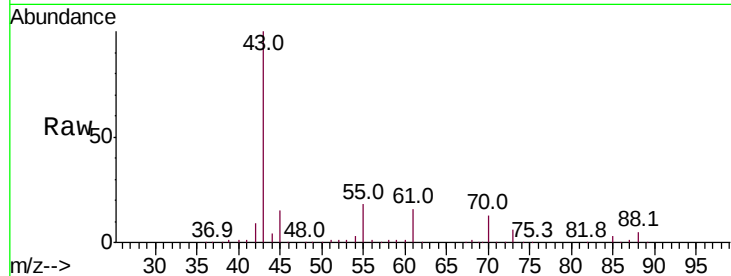
#37
Ethyl Acetate
Concen: 54.952 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

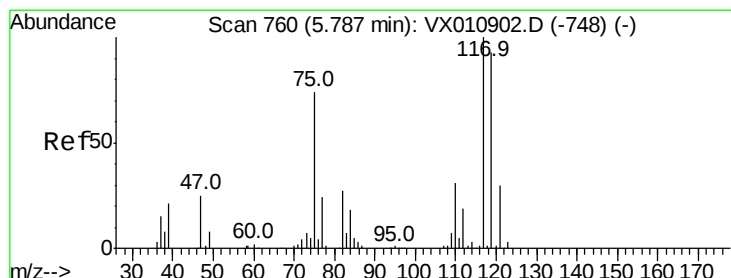
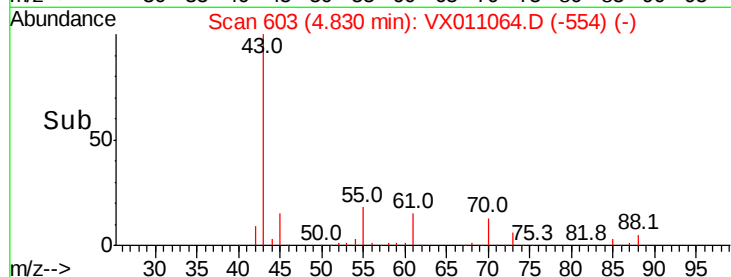
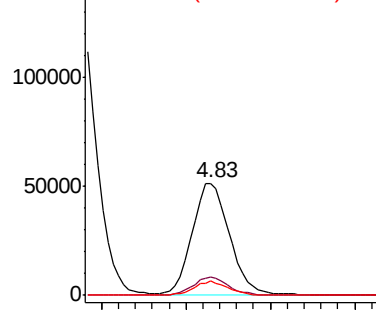
Tot Ion	43	61	70
Ratio	100	15.2	11.8
Lower		11.6	9.1
Upper		17.4	13.7

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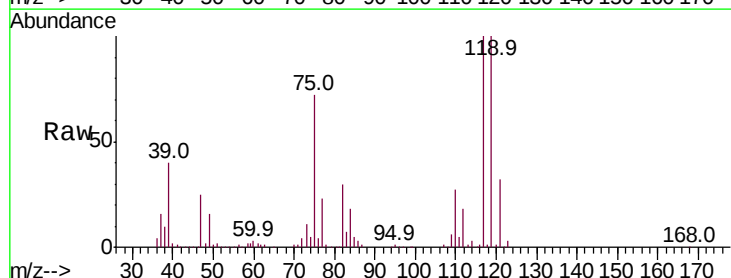


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

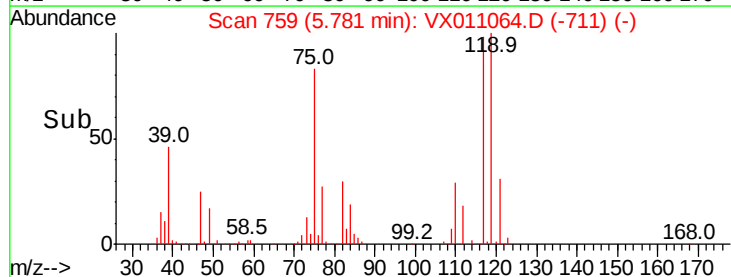
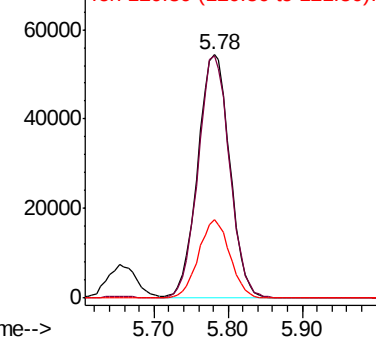


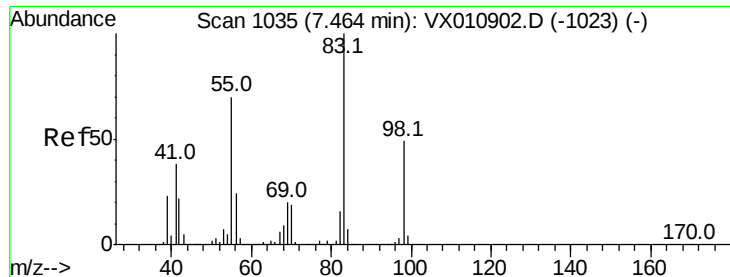
#38
Carbon Tetrachloride
Concen: 57.849 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	117	119	121
Ratio	100	99.4	32.0
Lower		74.2	24.2
Upper		111.2	36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





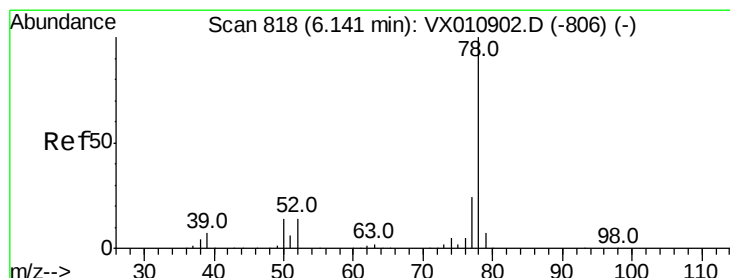
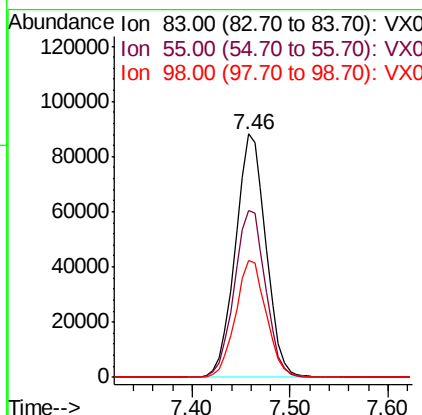
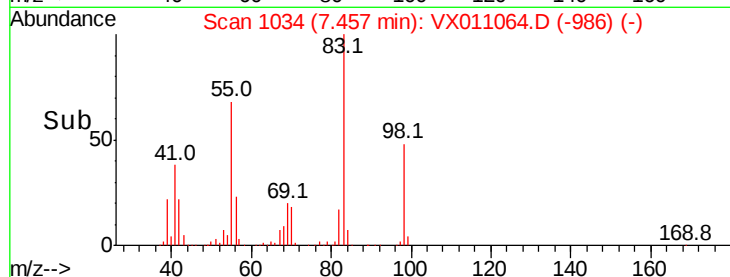
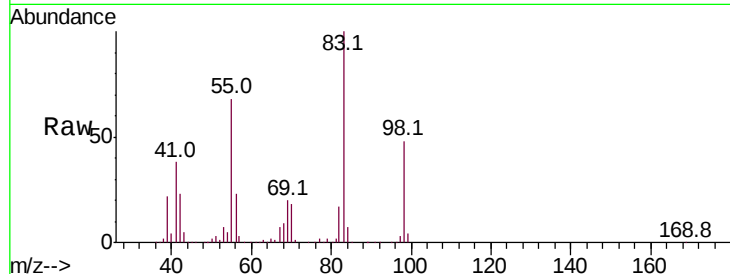
#39
Methvlcvclohexane
Concen: 53.855 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.4	56.2	84.4
98	47.9	39.0	58.4

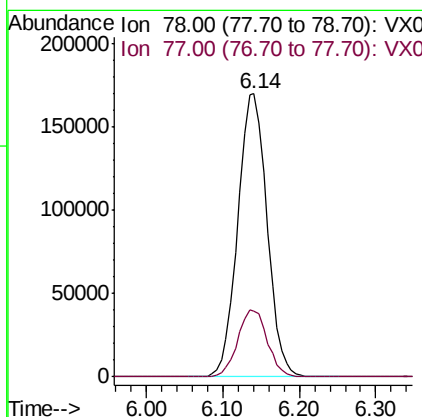
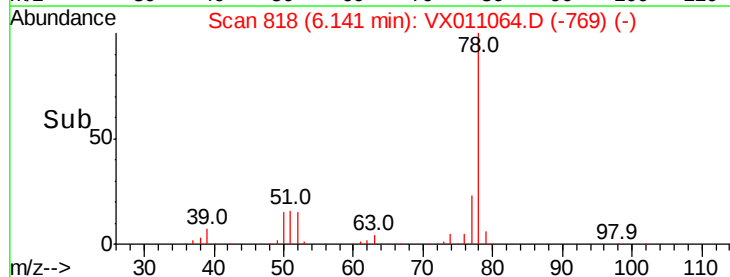
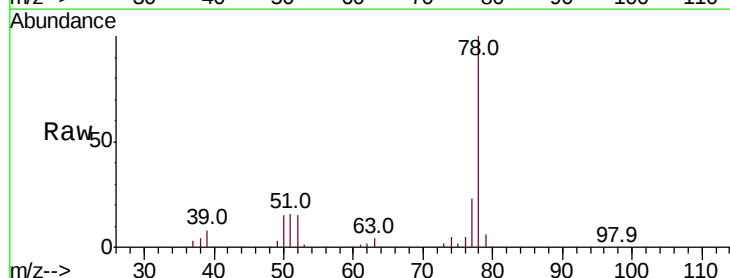
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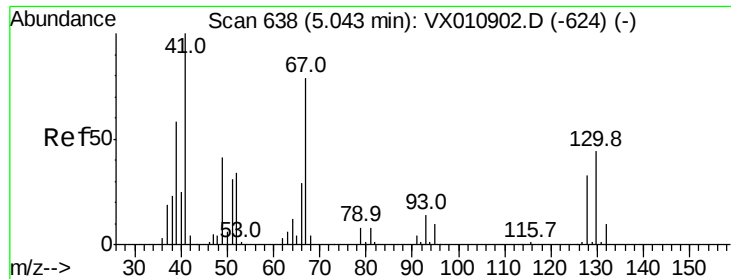
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#40
Benzene
Concen: 54.221 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





#41

Methacrylonitrile

Concen: 54.526 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

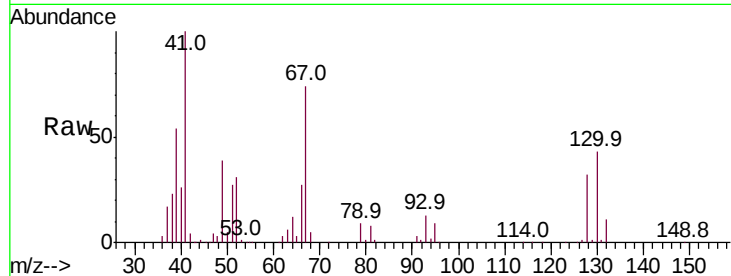
ClientSampleId :

VSTDCCC050

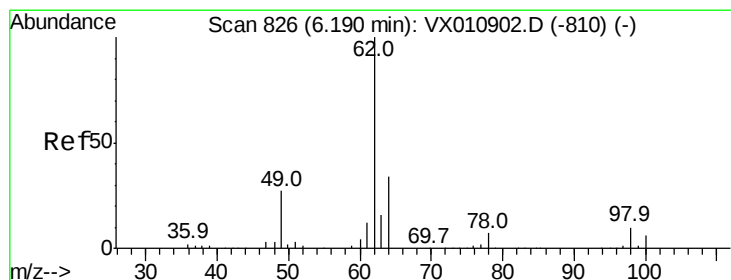
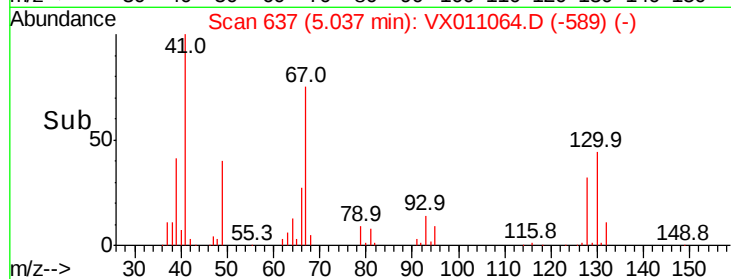
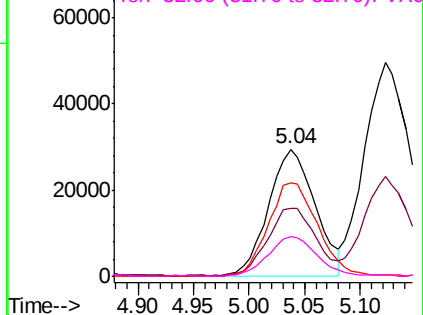
Tot Ion:	41	Resp:	86349
Ion	Ratio	Lower	Upper
41	100		
39	55.0	45.4	68.2
67	78.2	65.9	98.9
52	33.5	26.2	39.2

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: 57.122 ug/l

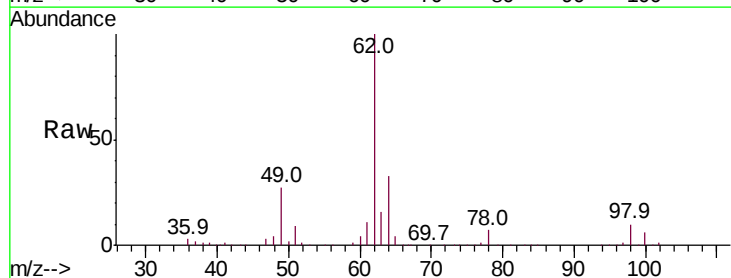
RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

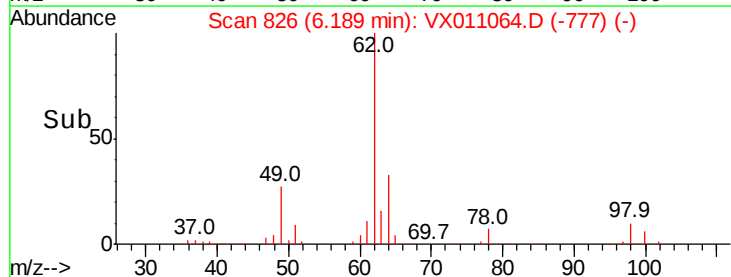
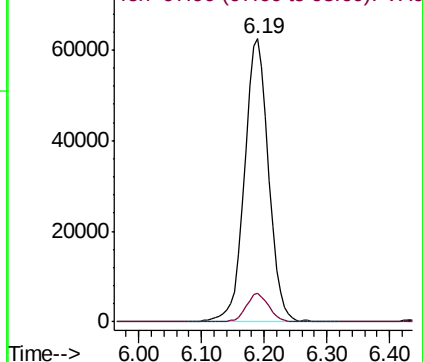
Lab File: VX011064.D

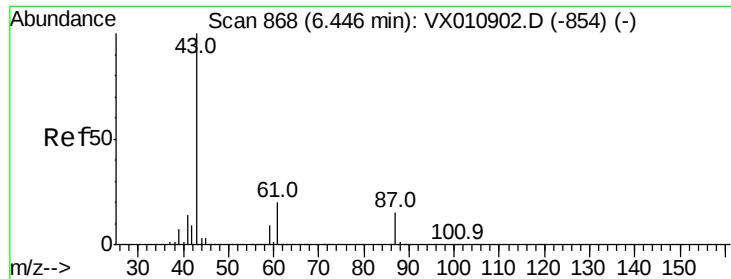
Acq: 25 Jul 2019 09:25

Tgt Ion:	62	Resp:	165745
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

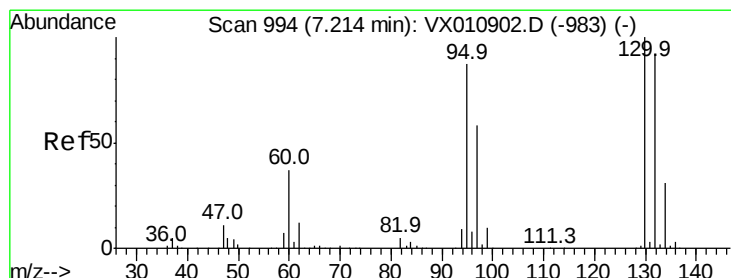
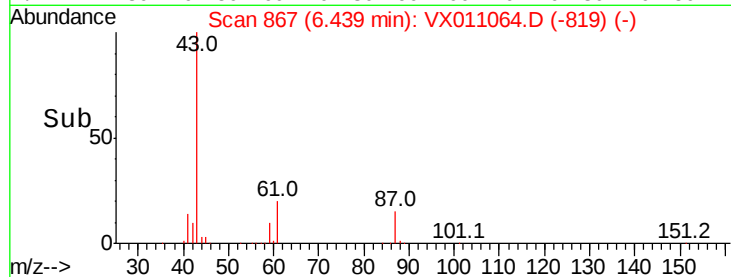
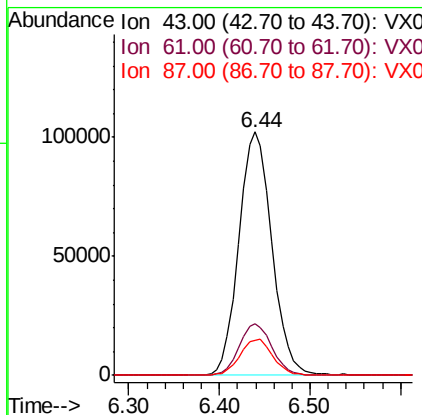
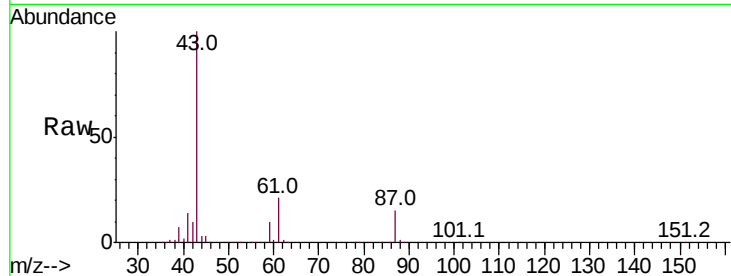
Isopropyl Acetate
 Concen: 56.004 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX011064.D
 Acq: 25 Jul 2019 09:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.1	25.7
87	14.8	12.0	18.0

Manual Integrations
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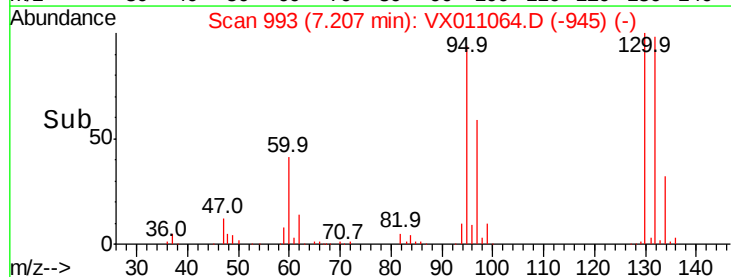
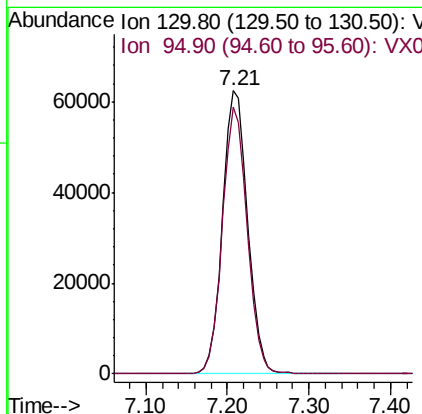
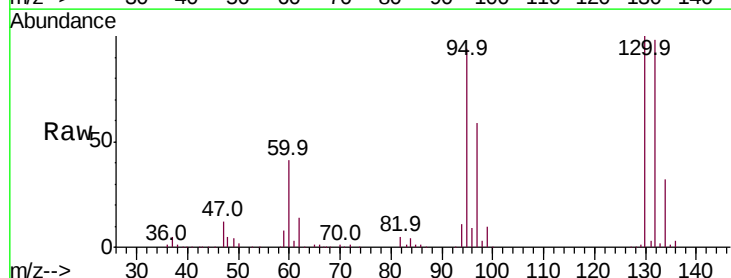
MMDadoda
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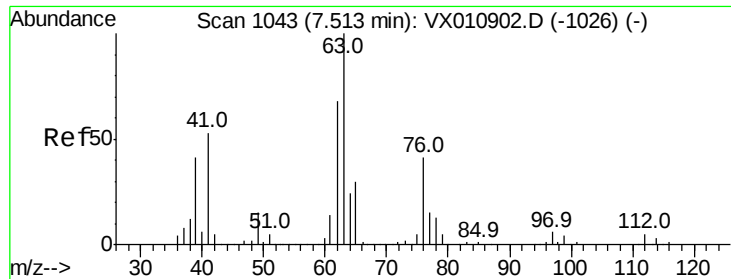


#44

Trichloroethene
 Concen: 53.961 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX011064.D
 Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	174.8





#45

1,2-Dichloropropane

Concen: 55.036 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 116899

Ion Ratio Lower Upper

63 100

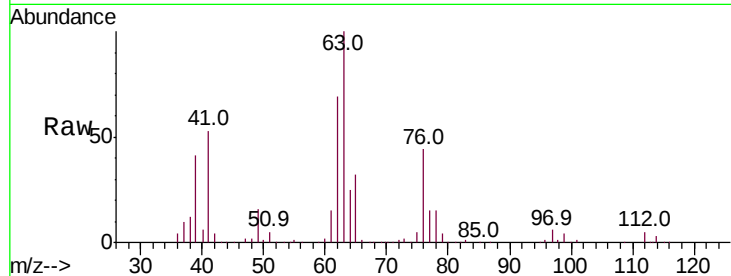
65 31.5 24.4 36.6

Manual Integrations

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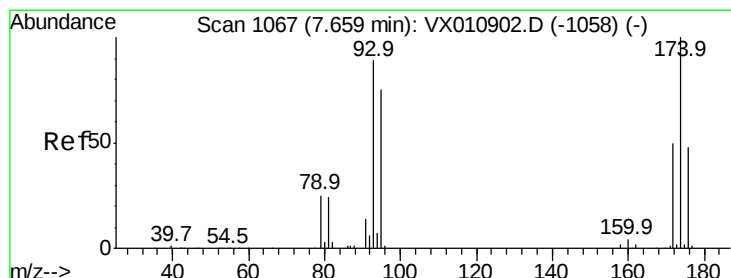
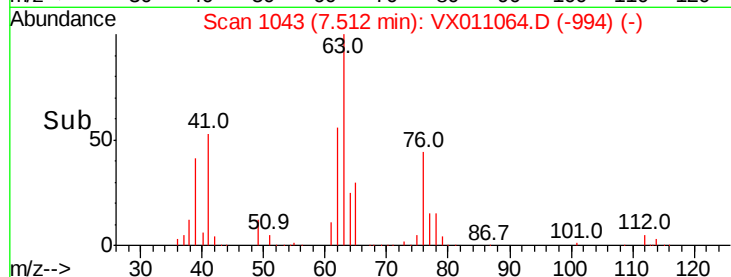
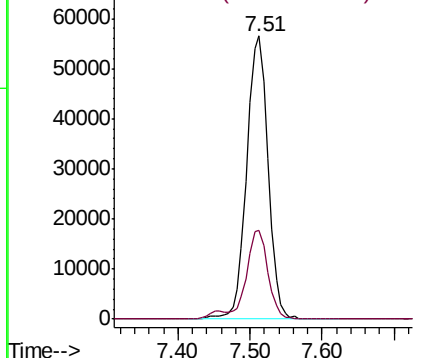
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 56.594 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

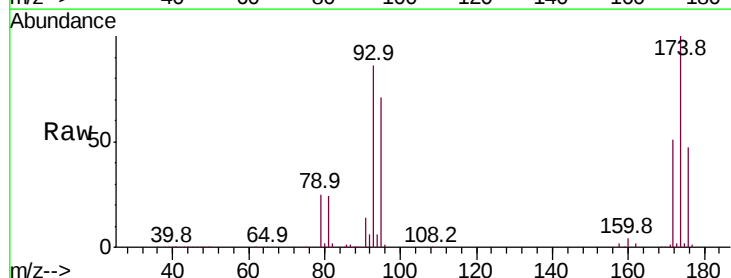
Tgt Ion: 93 Resp: 85896

Ion Ratio Lower Upper

93 100

95 83.5 67.2 100.8

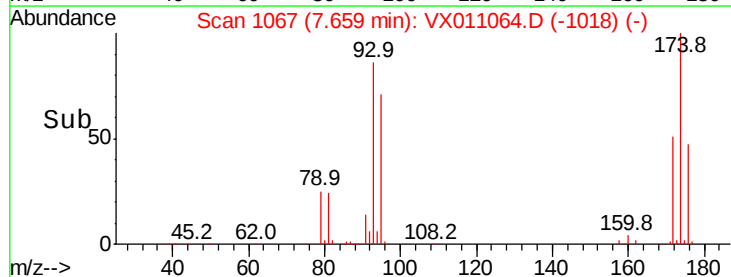
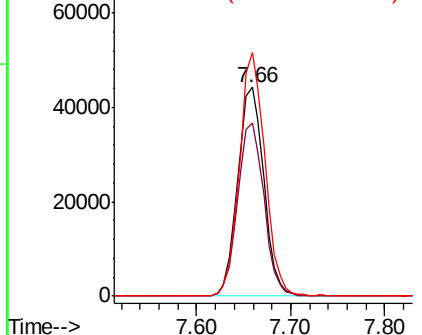
174 113.8 90.6 135.8

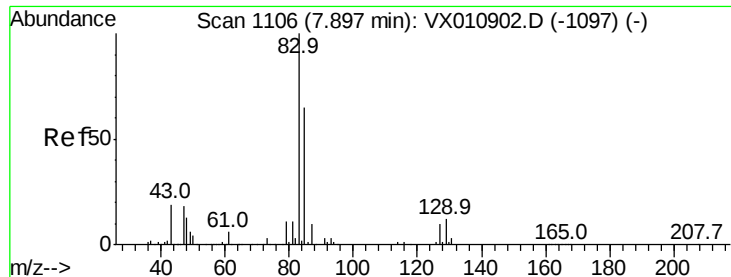


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 60.742 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

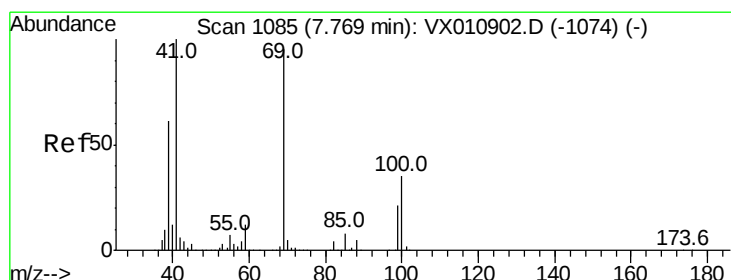
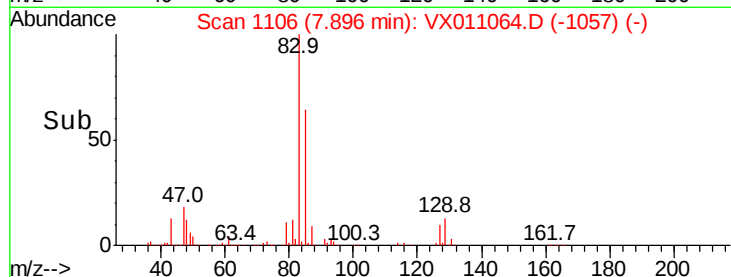
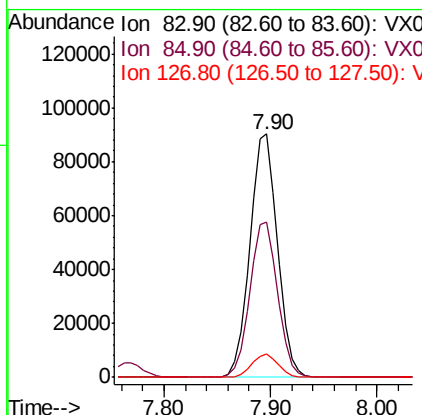
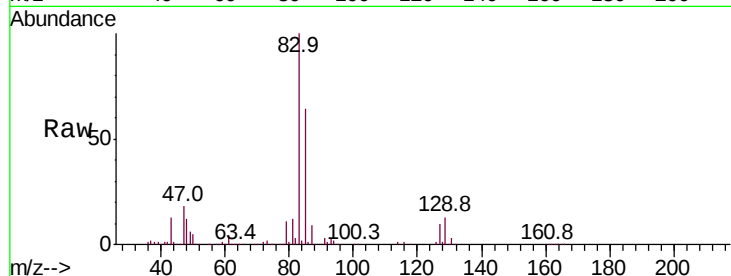
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164109
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7
127	9.8	7.8	11.8

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#48

Methyl methacrylate

Concen: 56.385 ug/l

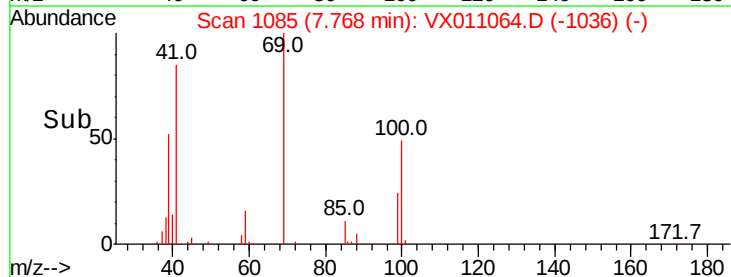
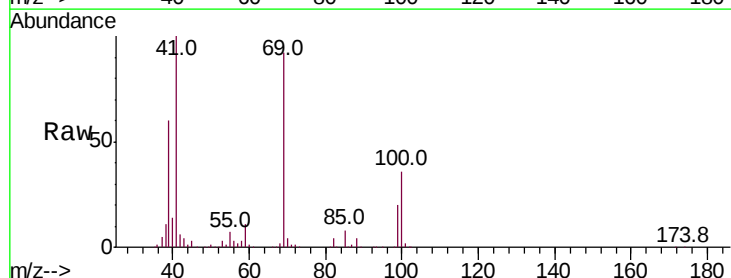
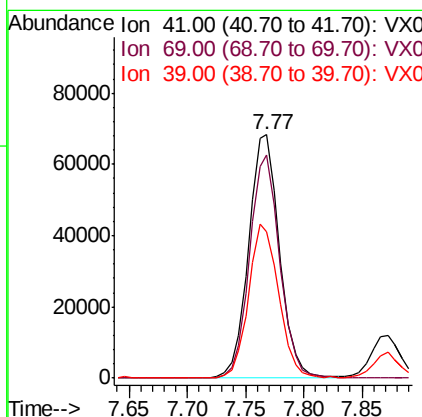
RT: 7.77 min Scan# 1085

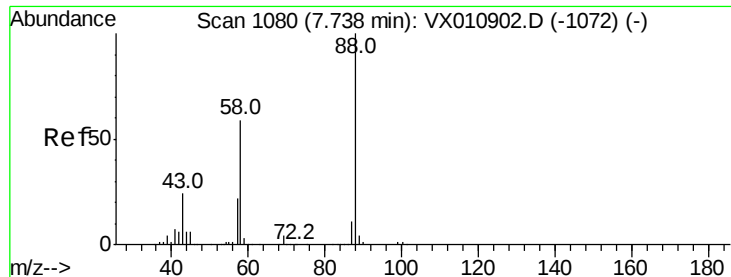
Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	41	Resp:	125996
Ion	Ratio	Lower	Upper
41	100		
69	89.9	74.4	111.6
39	61.8	48.9	73.3





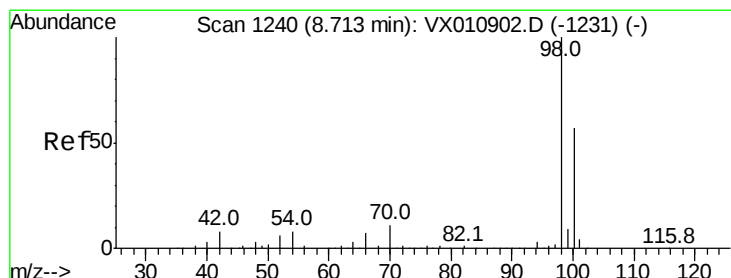
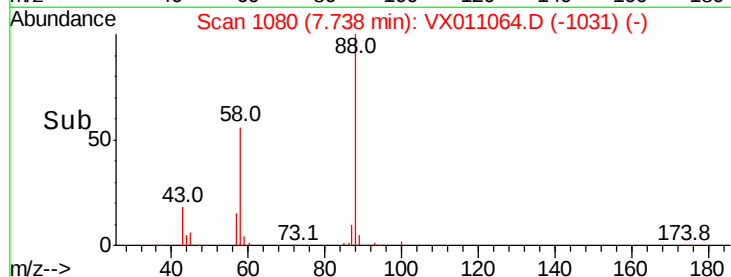
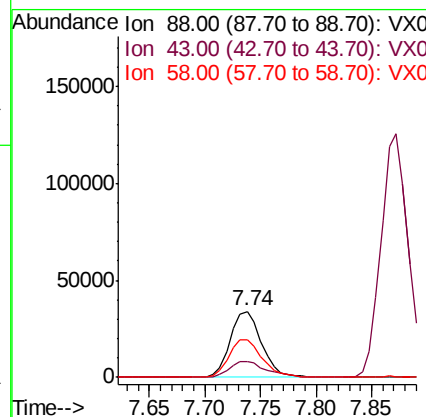
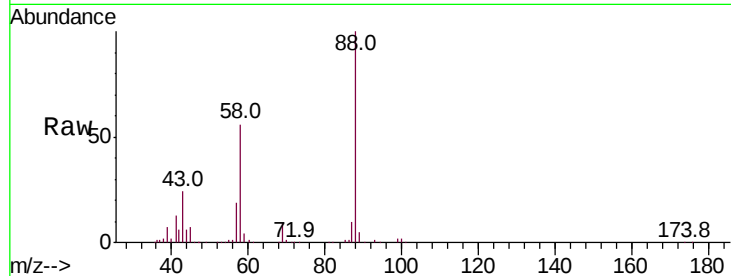
#49
1,4-Dioxane
Concen: 1062.004 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	22.9	34.3
58	60.8	49.8	74.8

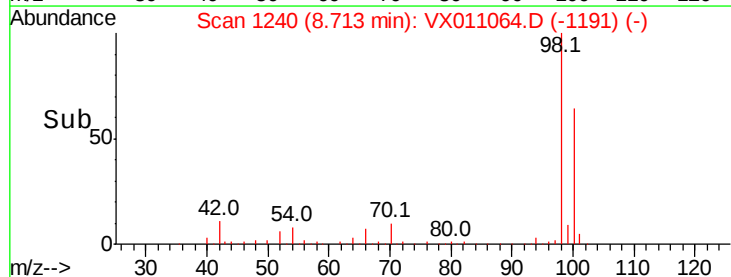
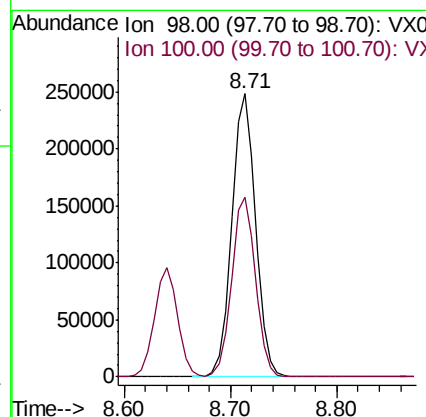
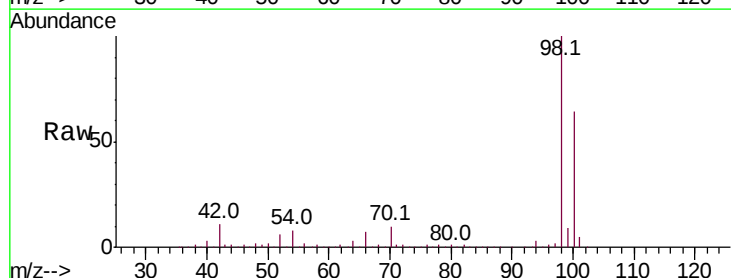
Manual Integrations
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#50
Toluene-d8
Concen: 48.999 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 284.038 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 844585

Ion Ratio Lower Upper

43 100

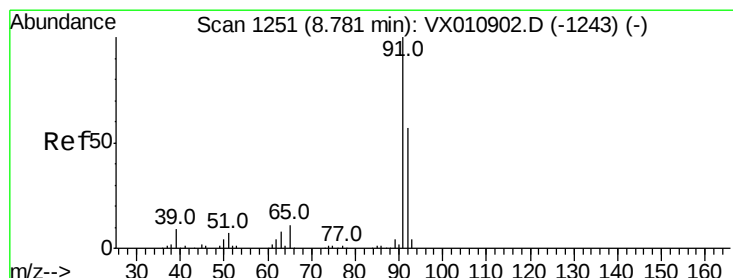
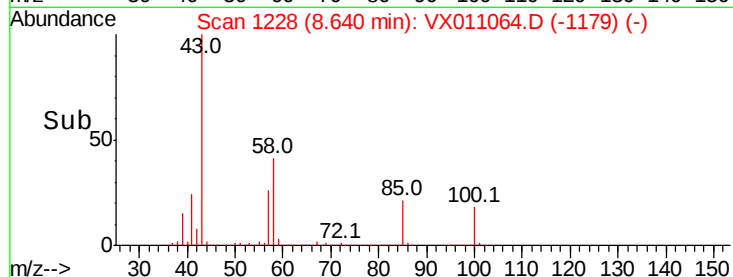
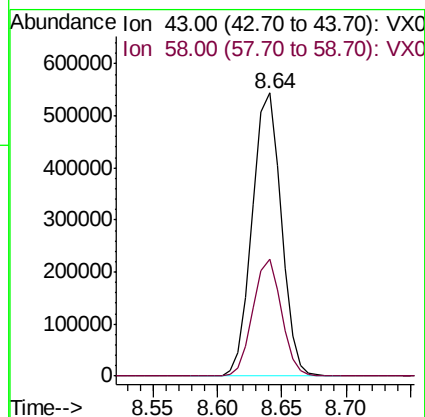
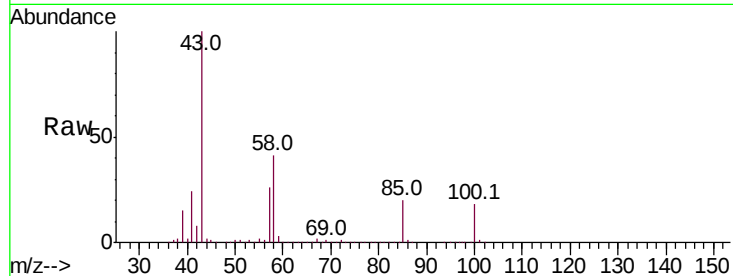
58 40.5 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 54.206 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011064.D

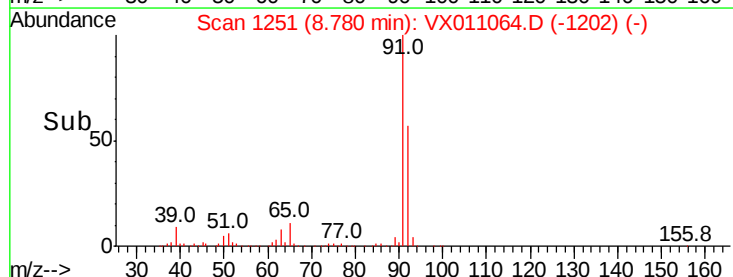
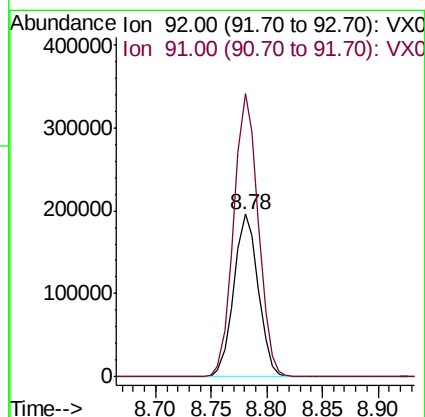
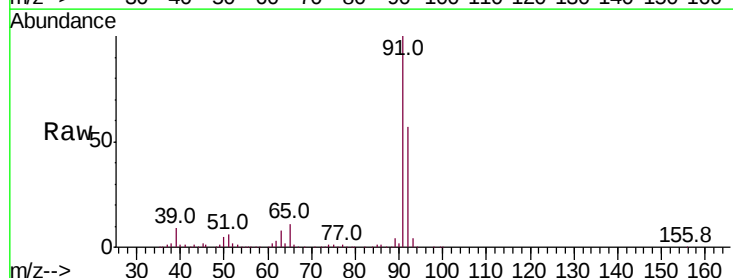
Acq: 25 Jul 2019 09:25

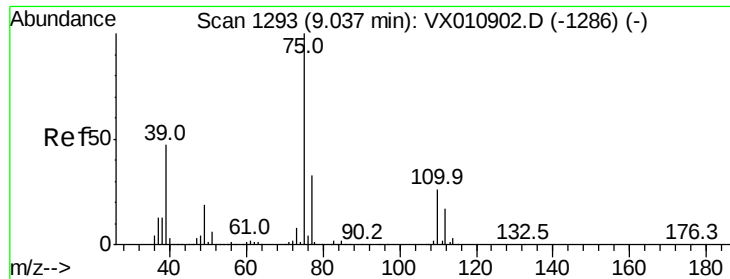
Tgt Ion: 92 Resp: 297171

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 62.392 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 181251

Ion Ratio Lower Upper

75 100

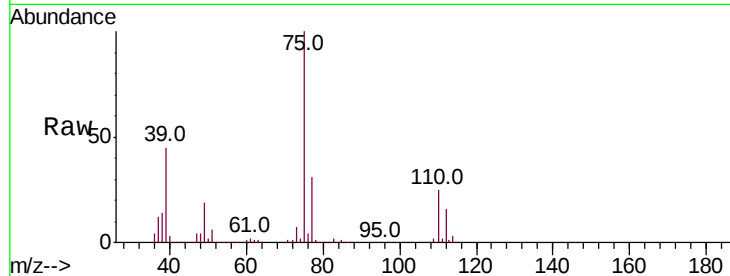
77 31.5 26.2 39.2

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

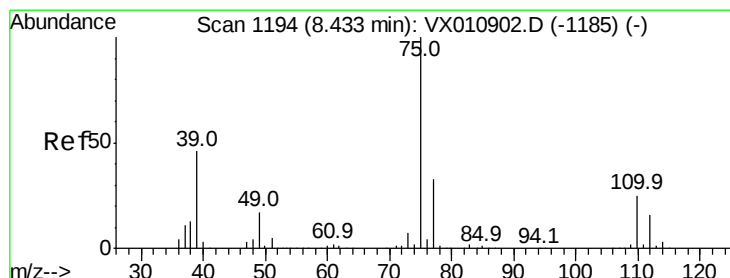
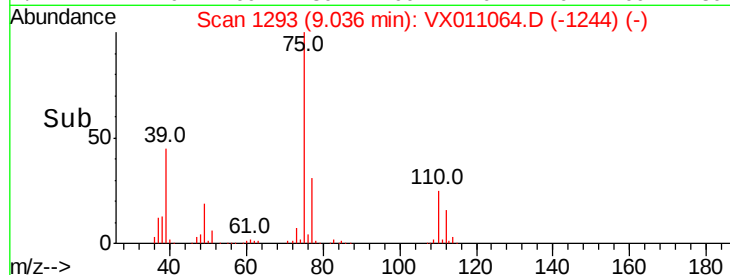
150000

100000

50000

0

Time--> 8.90 9.00 9.10



#54

cis-1,3-Dichloropropene

Concen: 59.382 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

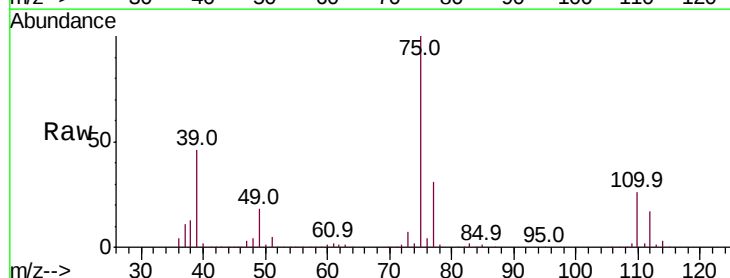
Tgt Ion: 75 Resp: 191956

Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

39 46.2 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

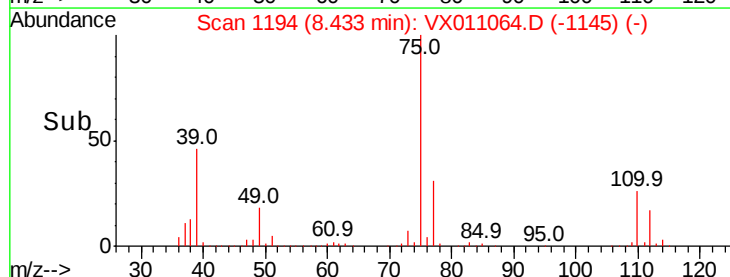
150000

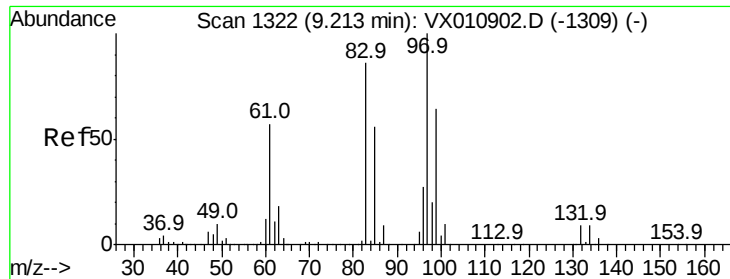
100000

50000

0

Time--> 8.40 8.50





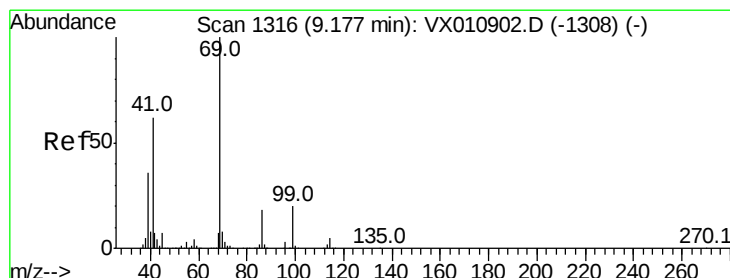
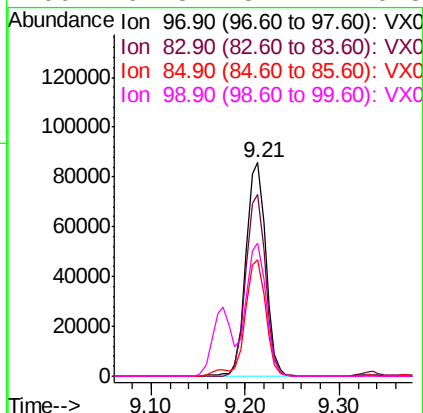
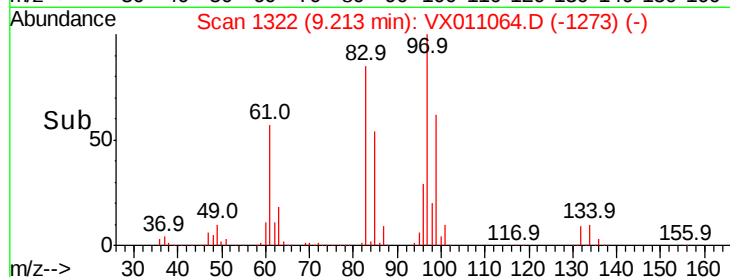
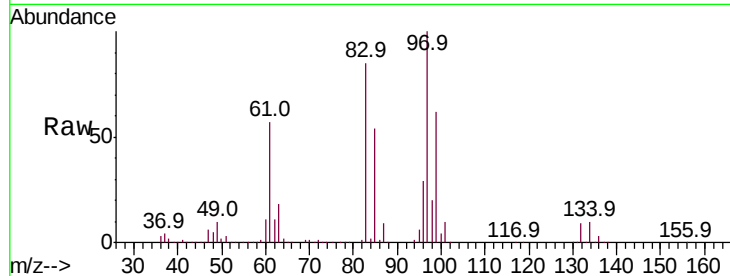
#55
 1,1,2-Trichloroethane
 Concen: 56.296 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011064.D
 Acq: 25 Jul 2019 09:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	54.4	44.6	66.8
99	62.3	51.2	76.8

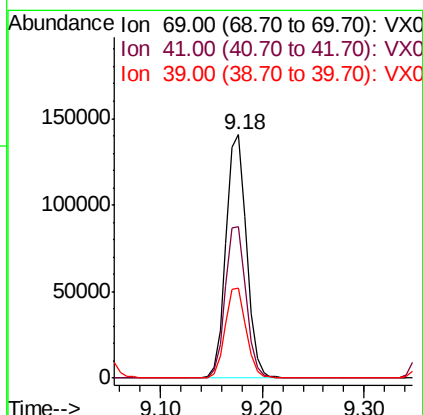
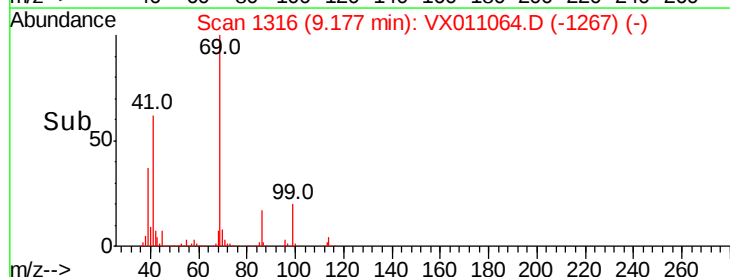
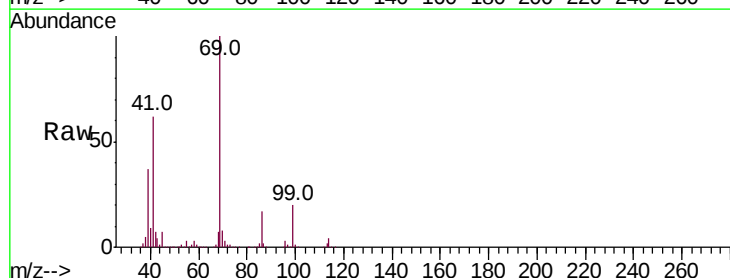
Manual Integrations
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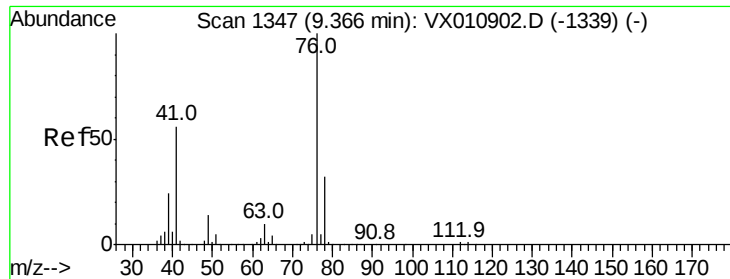
MMDadoda
 7/26/2019 9:49:15 AM



#56
 Ethyl methacrylate
 Concen: 59.422 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011064.D
 Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.8	49.7	74.5
39	37.3	29.6	44.4





#57

1,3-Dichloropropane

Concen: 55.932 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 200287

Ion Ratio Lower Upper

76 100

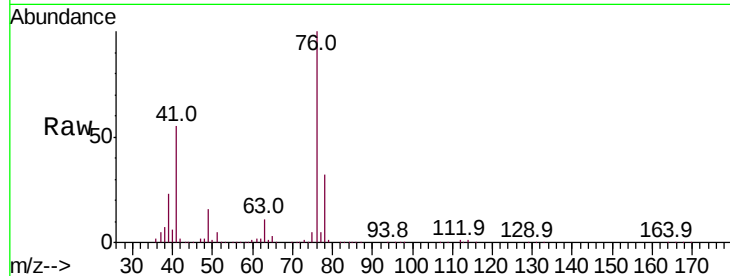
78 32.5 25.6 38.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

100000

50000

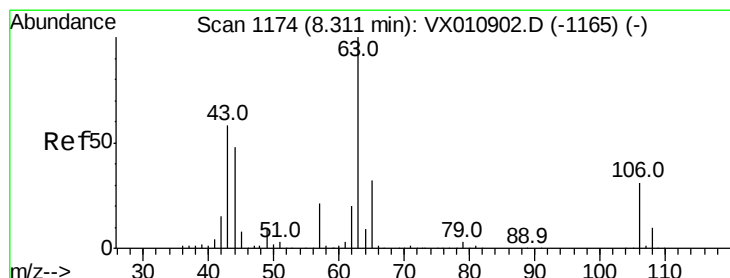
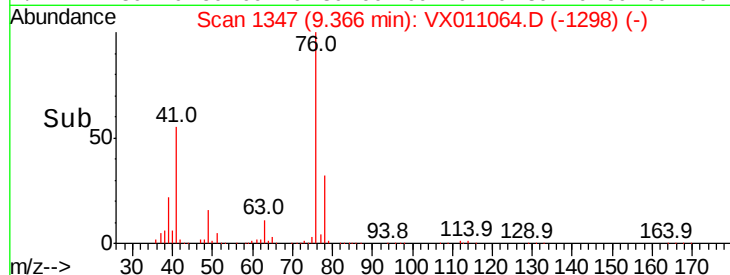
0

9.30

9.40

9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 205.158 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011064.D

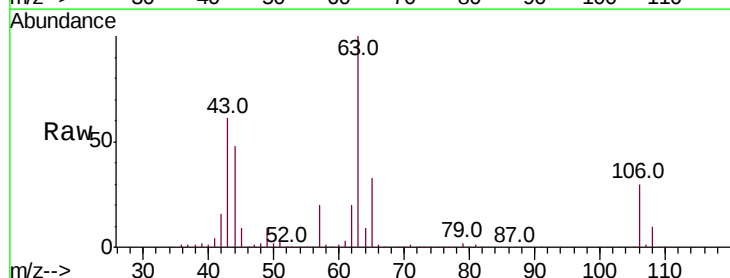
Acq: 25 Jul 2019 09:25

Tgt Ion: 63 Resp: 323367

Ion Ratio Lower Upper

63 100

106 30.3 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

200000

150000

100000

50000

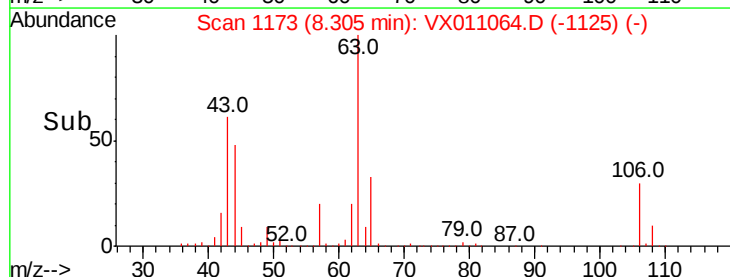
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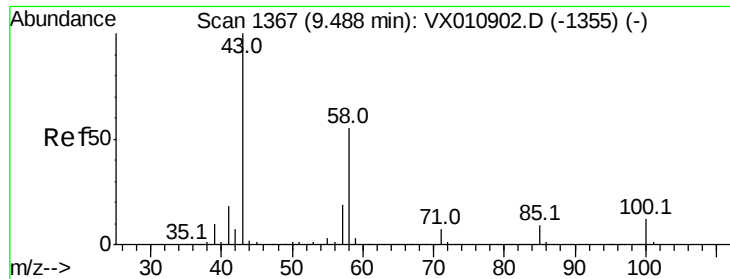
8.20

8.30

8.40

Time-->





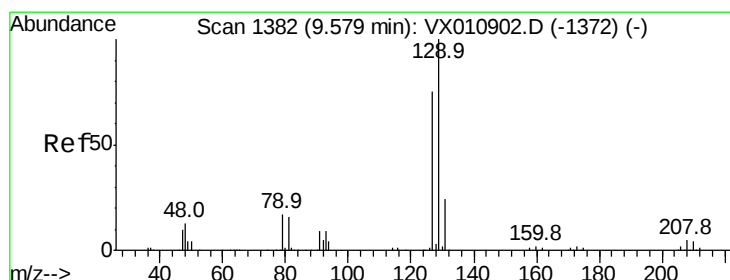
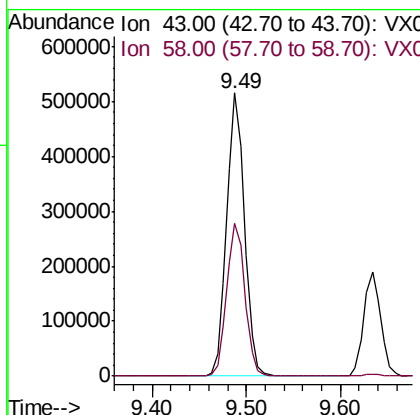
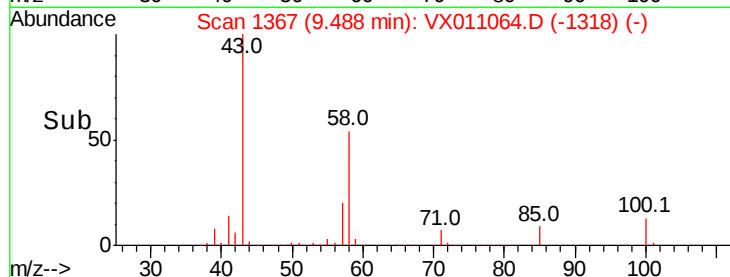
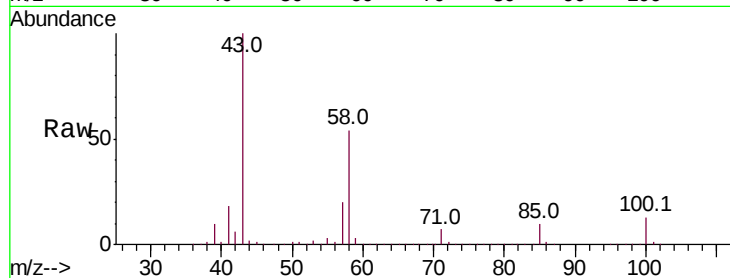
#59
2-Hexanone
Concen: 294.265 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 678661
Ion Ratio Lower Upper
43 100
58 55.3 28.0 83.9

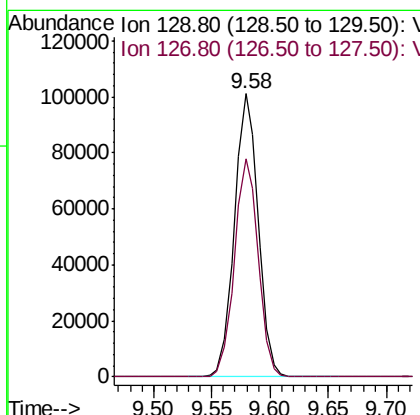
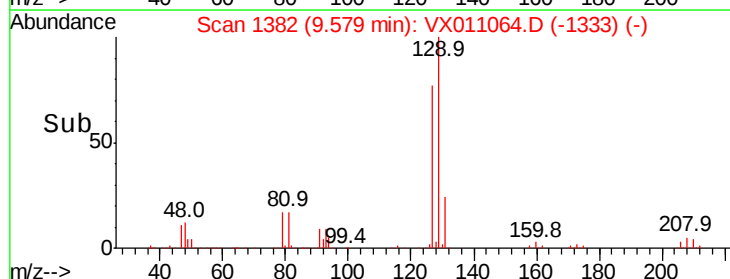
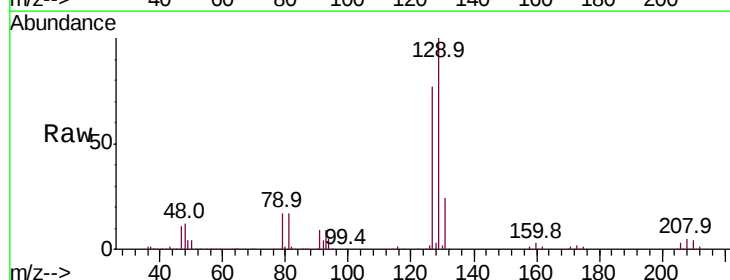
Manual Integrations
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#60
Dibromochloromethane
Concen: 55.099 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion: 129 Resp: 143846
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 57.237 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 137115

Ion Ratio Lower Upper

107 100

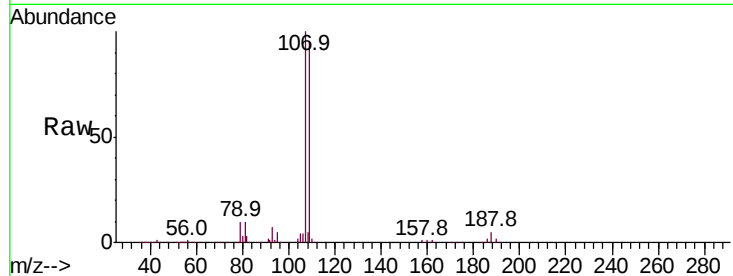
109 93.8 75.4 113.0

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

100000

80000

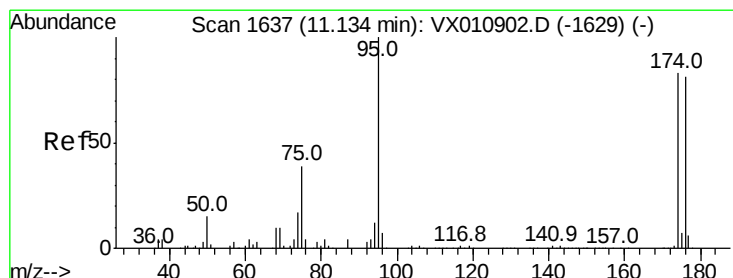
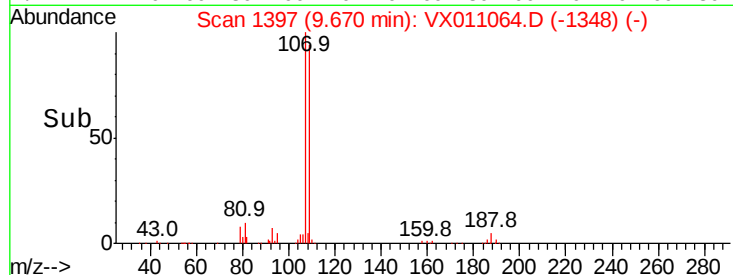
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.016 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

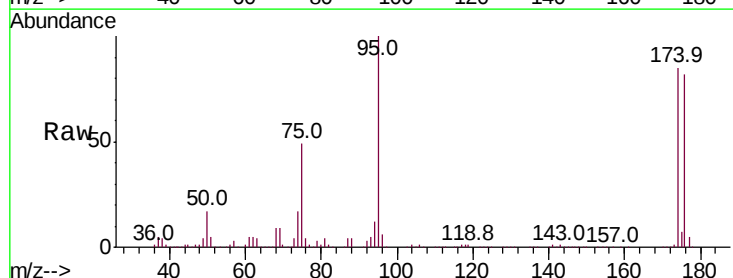
Tgt Ion: 95 Resp: 156768

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.6

176 85.3 0.0 173.8



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

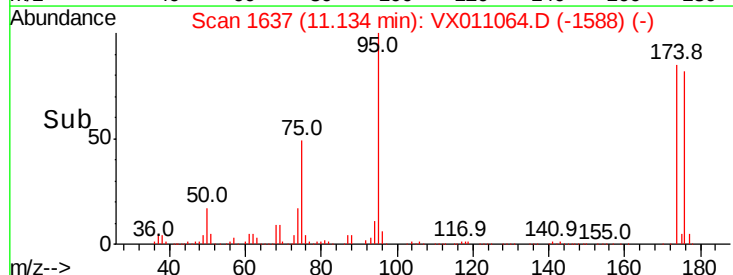
150000

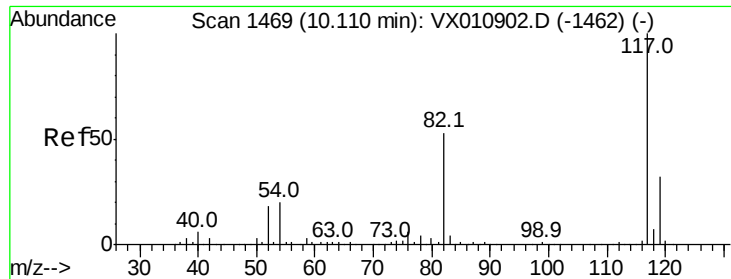
100000

50000

0

Time-->





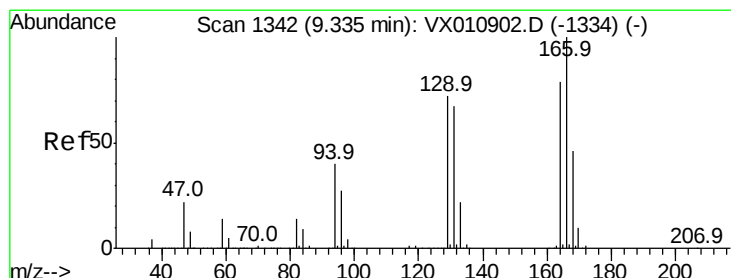
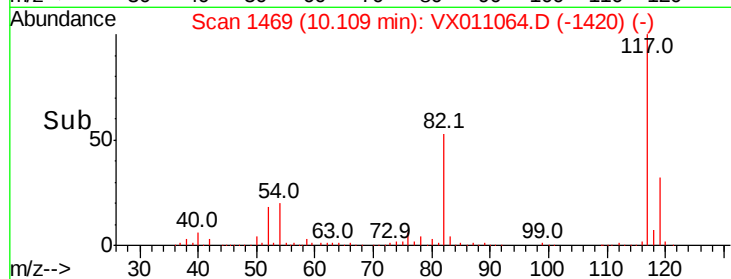
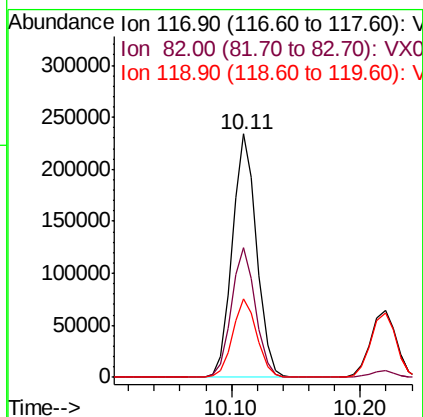
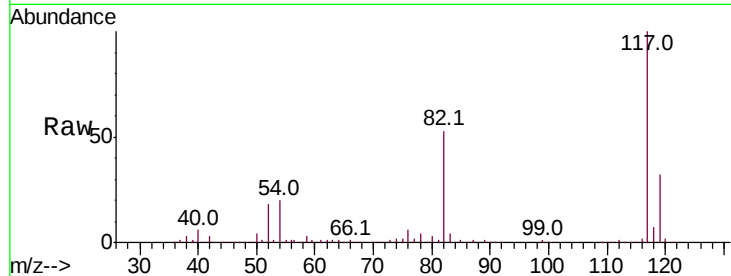
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	307990		
82	53.2	42.6	63.8	
119	32.4	25.9	38.9	

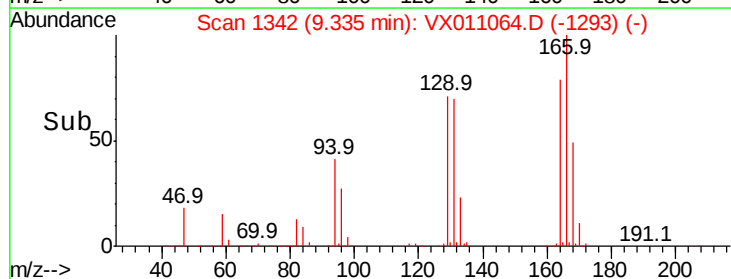
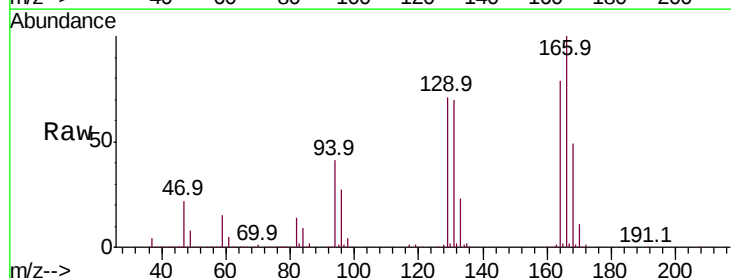
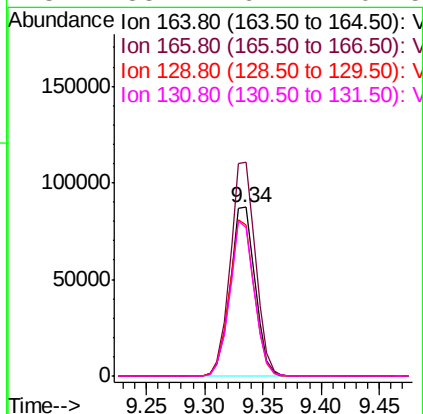
Manual Integrations
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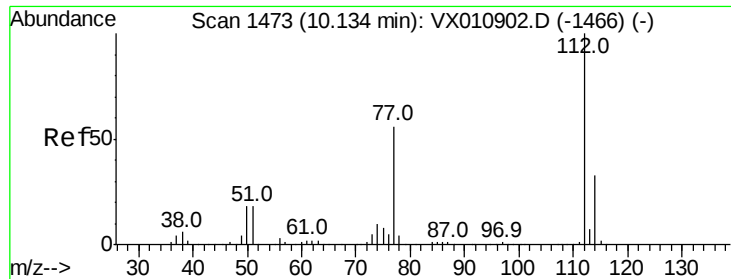
MMDadoda
7/26/2019 9:49:15 AM



#64
Tetrachloroethene
Concen: 53.609 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129890		
166	126.8	100.8	151.2	
129	90.0	72.6	109.0	
131	88.4	67.7	101.5	





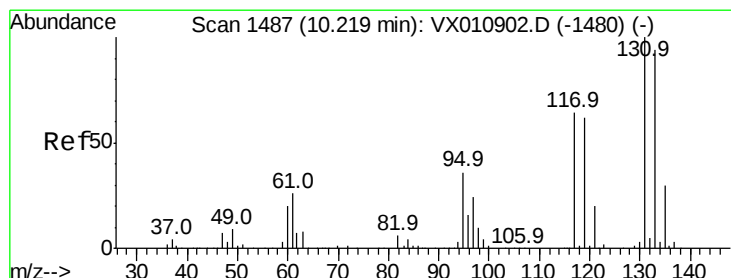
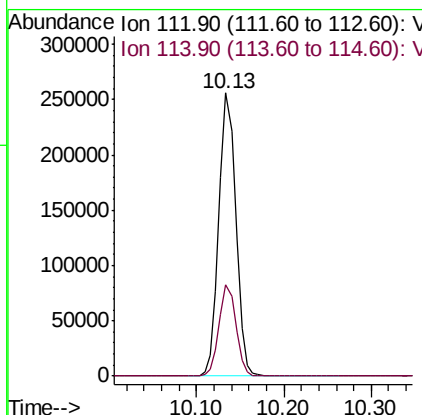
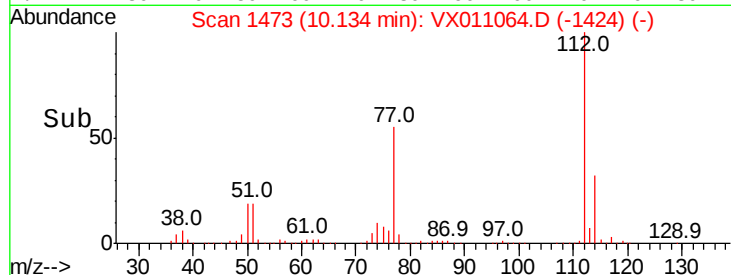
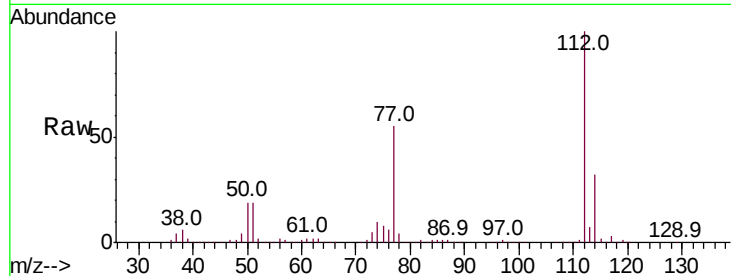
#65
Chlorobenzene
Concen: 54.371 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 343942
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

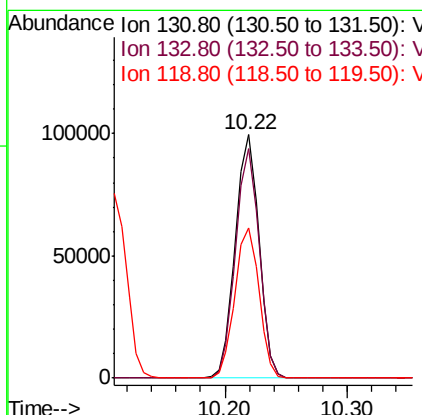
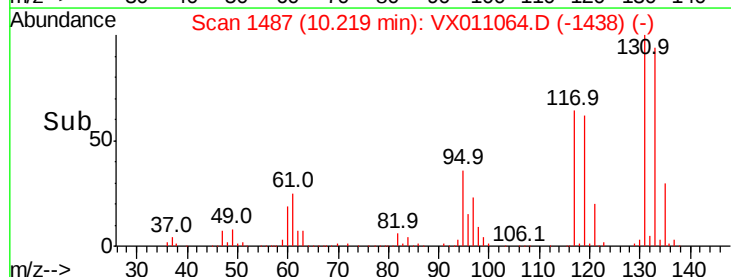
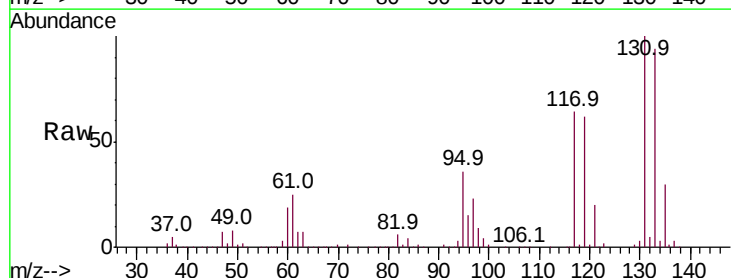
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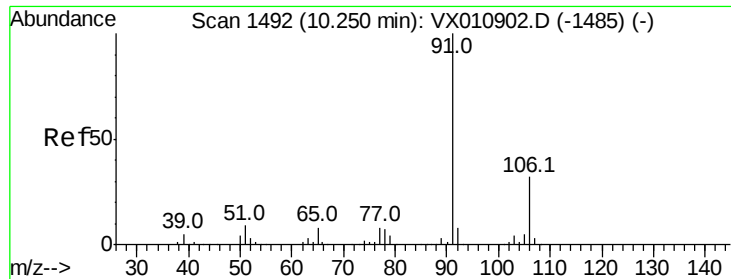
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.871 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion:131 Resp: 133108
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.4
119 63.4 31.9 95.7





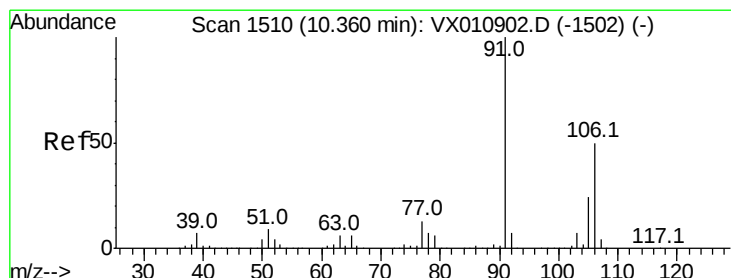
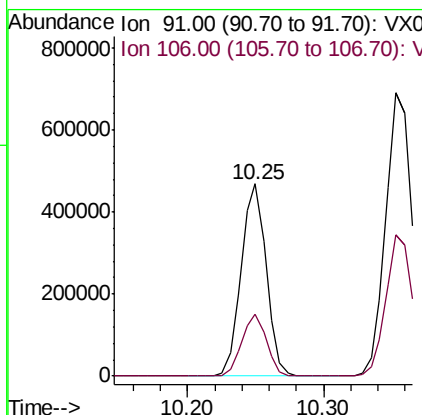
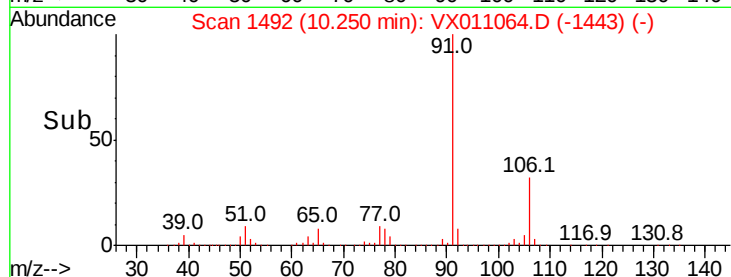
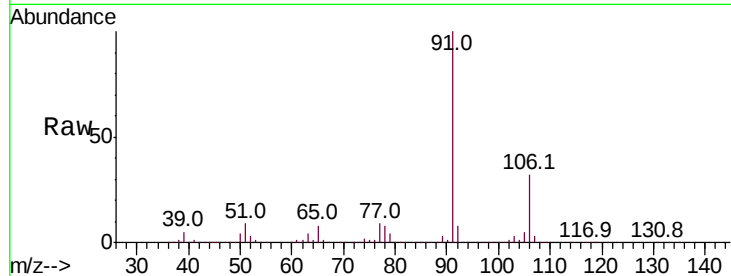
#67
Ethyl Benzene
Concen: 55.918 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 602093
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2

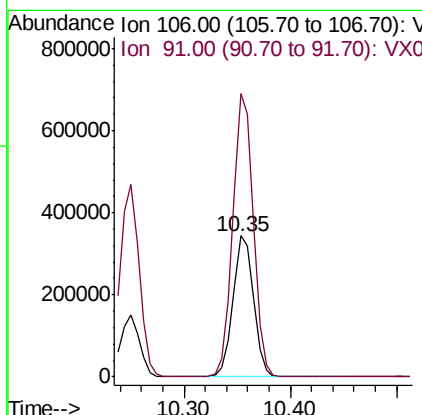
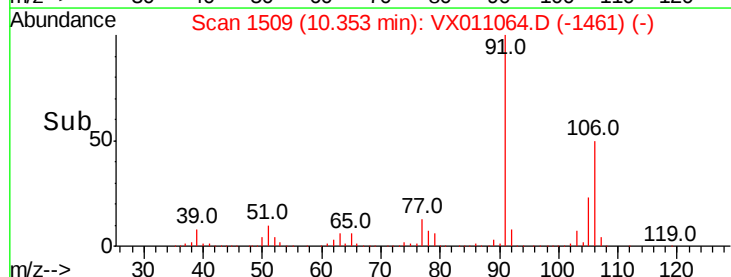
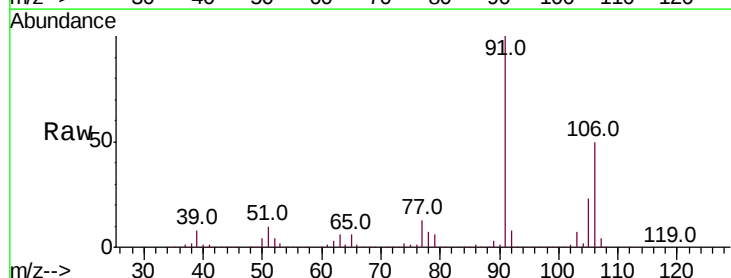
Manual Integrations
APPROVED

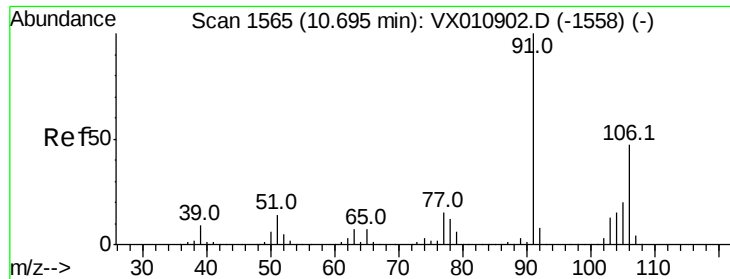
MMDadoda
7/26/2019 9:49:15 AM



#68
m/p-Xylenes
Concen: 112.811 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion: 106 Resp: 465942
Ion Ratio Lower Upper
106 100
91 200.9 160.1 240.1





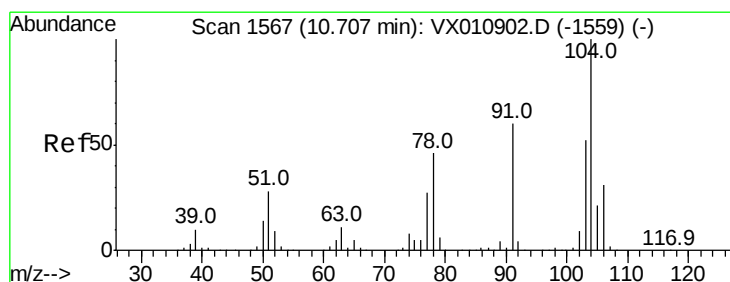
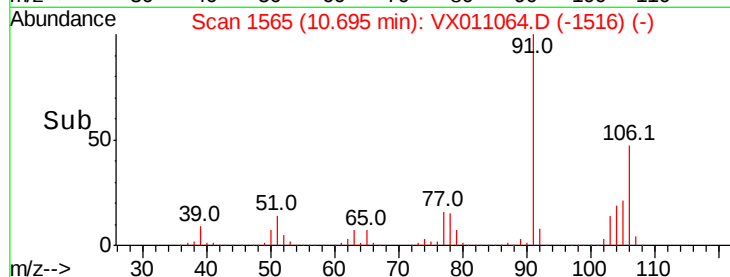
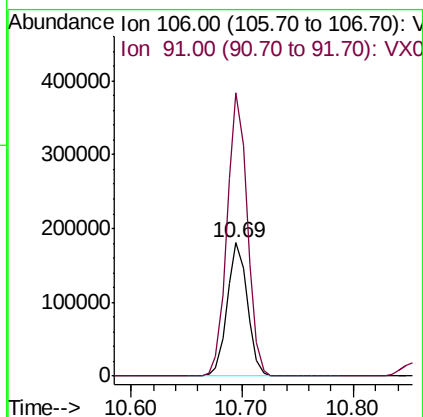
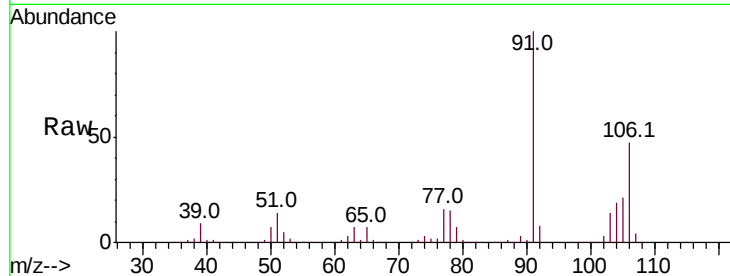
#69
o-Xylene
Concen: 56.097 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 226125
Ion Ratio Lower Upper
106 100
91 212.7 105.1 315.3

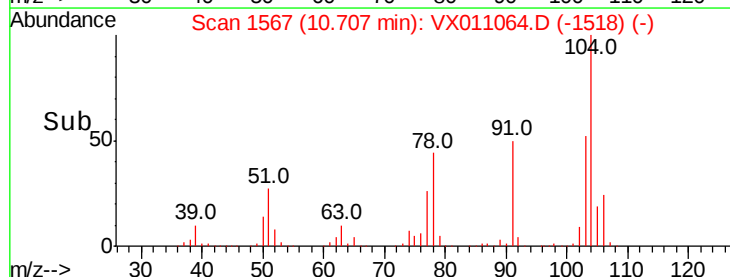
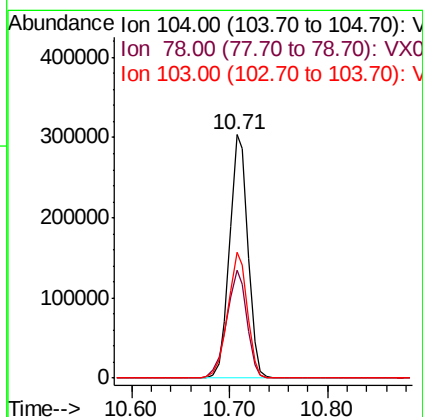
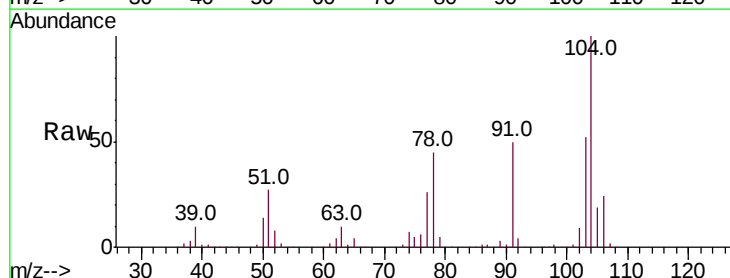
Manual Integrations
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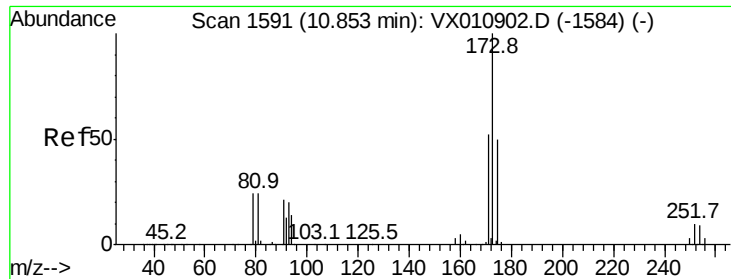
MMDadoda
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#70
Styrene
Concen: 58.879 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion:104 Resp: 395642
Ion Ratio Lower Upper
104 100
78 48.7 38.8 58.2
103 55.2 44.2 66.4





#71

Bromoform

Concen: 55.072 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 112035

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.6

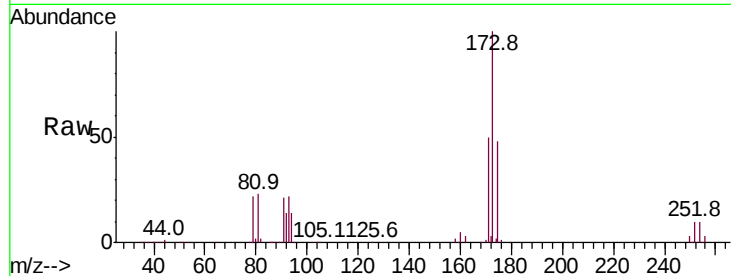
254 0.2 0.1 0.1#

Manual Integrations

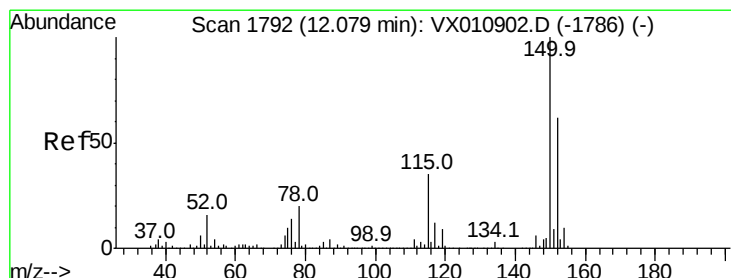
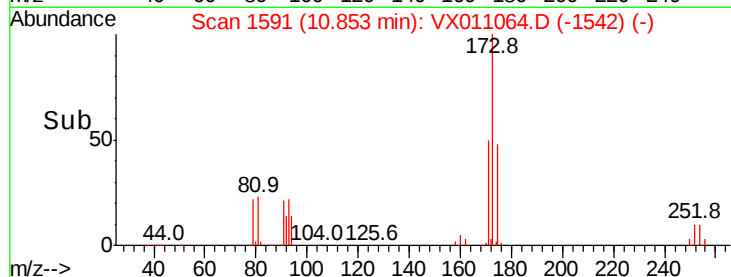
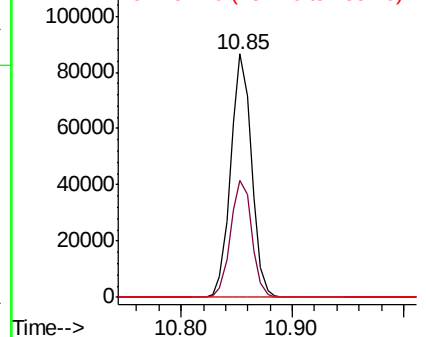
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

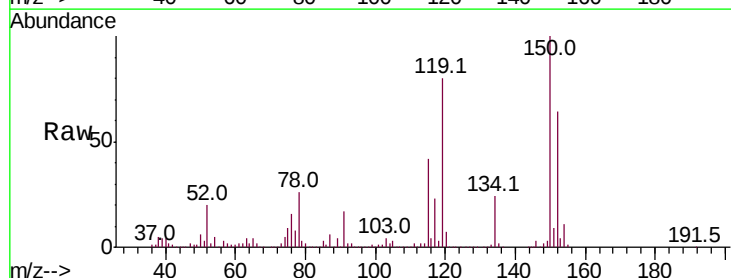
Tgt Ion:152 Resp: 170879

Ion Ratio Lower Upper

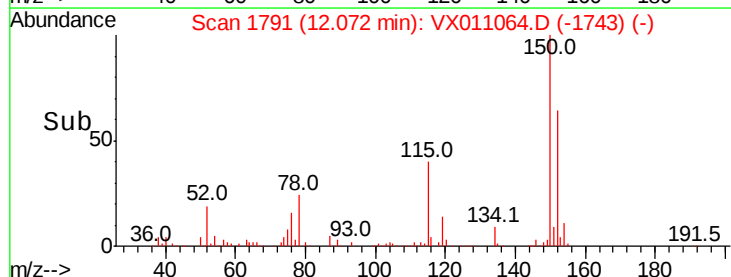
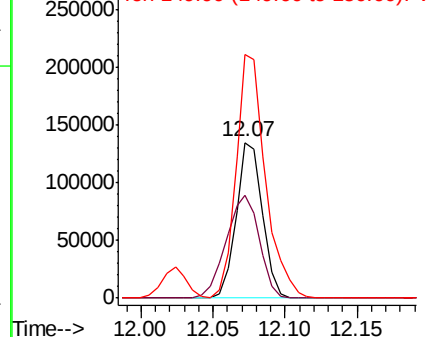
152 100

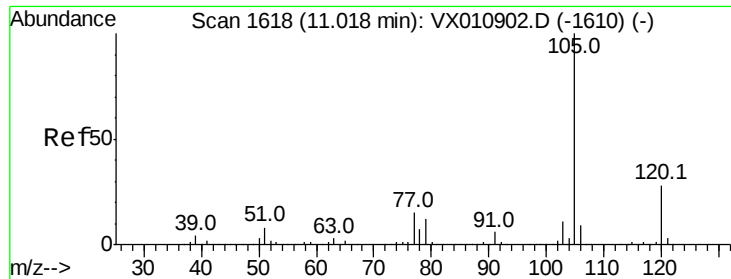
115 83.7 39.7 119.1

150 175.7 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.415 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 616741

Ion Ratio Lower Upper

105 100

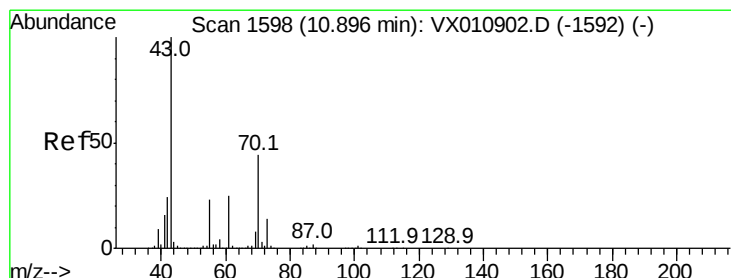
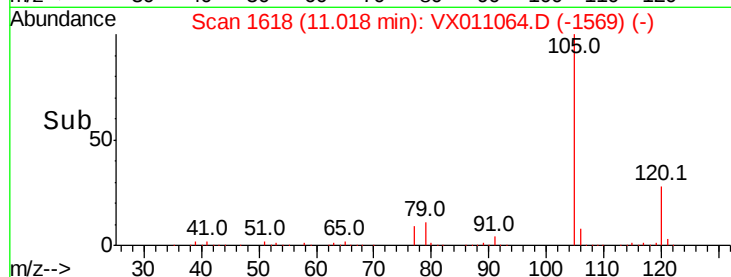
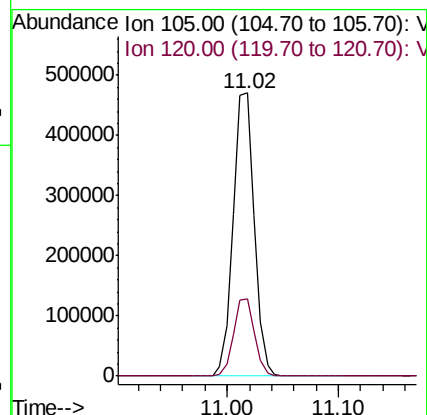
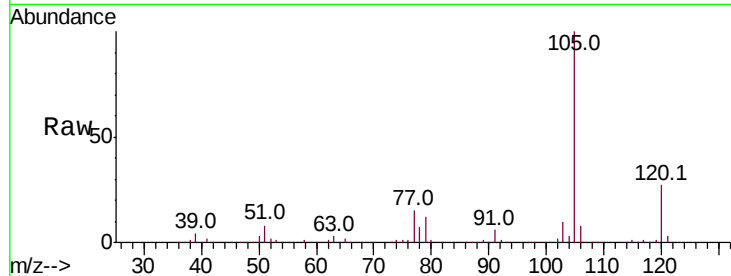
120 27.1 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.521 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion: 43 Resp: 244945

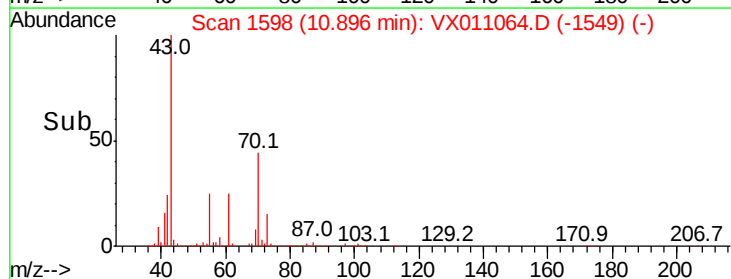
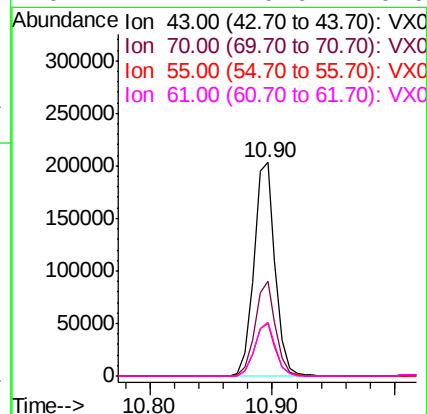
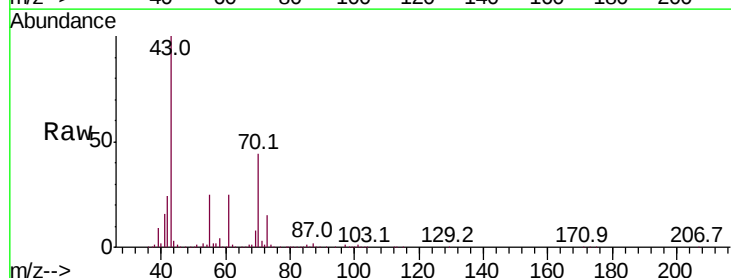
Ion Ratio Lower Upper

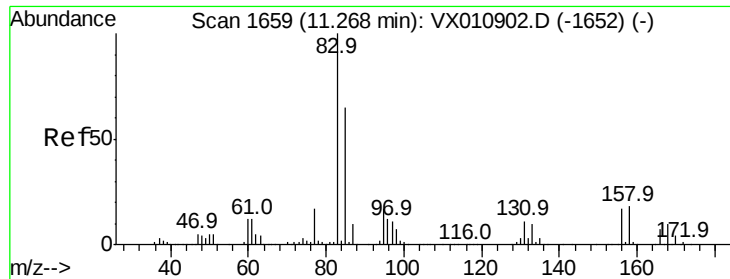
43 100

70 43.0 34.7 52.1

55 24.1 19.1 28.7

61 24.7 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.936 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

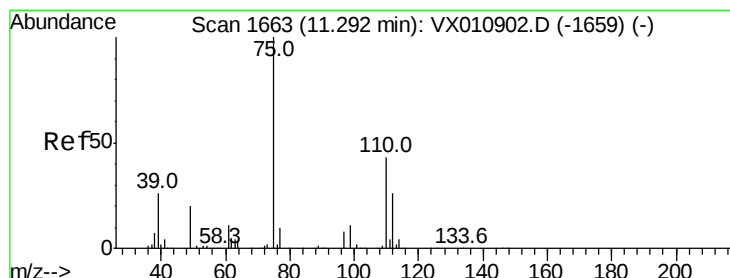
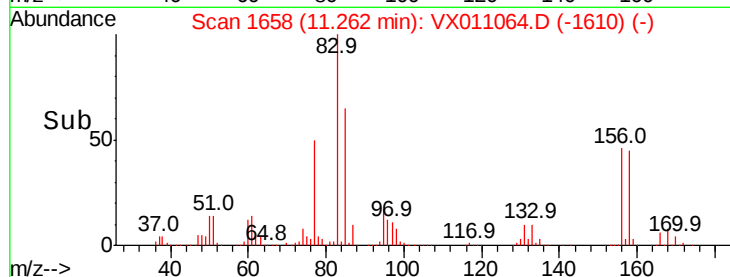
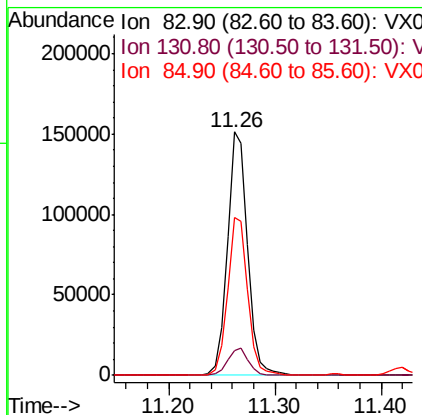
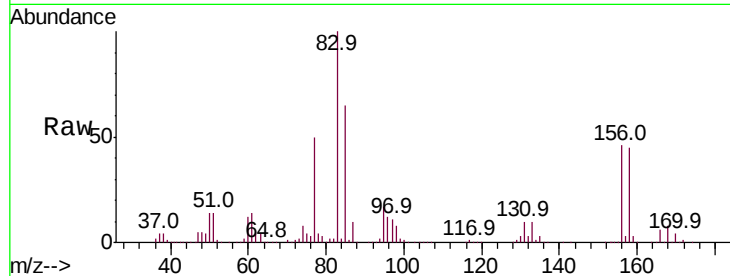
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	200022
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.5	16.4
85	64.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 56.253 ug/l m

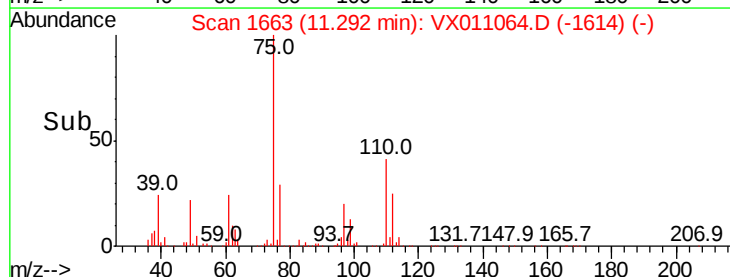
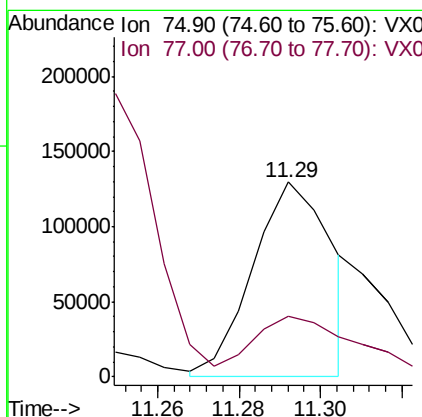
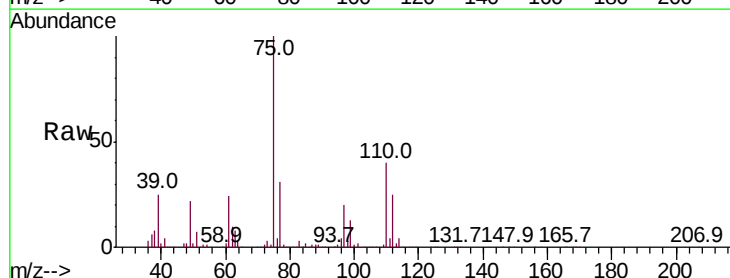
RT: 11.29 min Scan# 1663

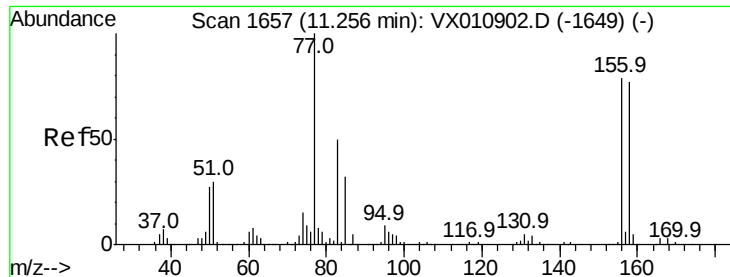
Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	75	Resp:	173462
Ion	Ratio	Lower	Upper
75	100		
77	41.7	21.3	64.0





#77

Bromobenzene

Concen: 53.506 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

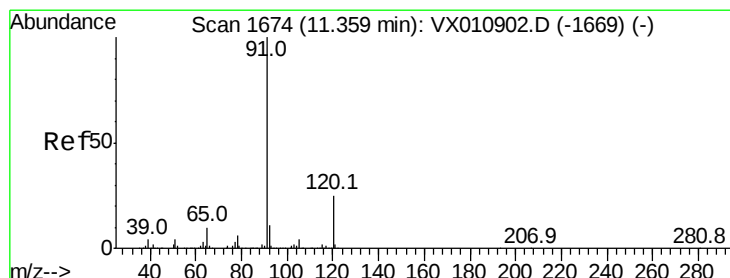
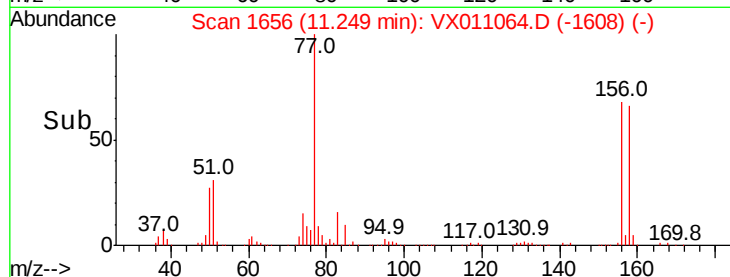
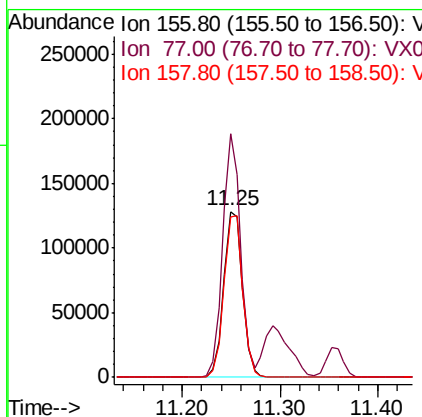
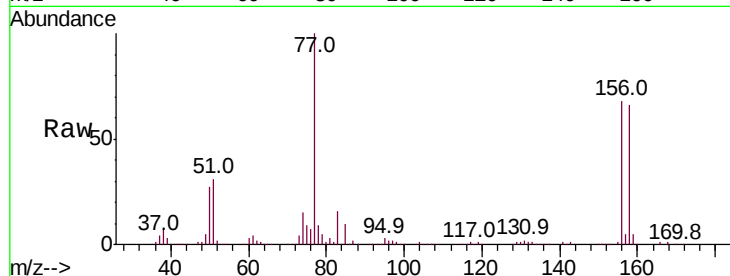
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	170409
Ion Ratio	Lower	Upper	
156	100		
77	139.5	68.7	206.1
158	98.0	47.9	143.7

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#78

n-propylbenzene

Concen: 55.722 ug/l

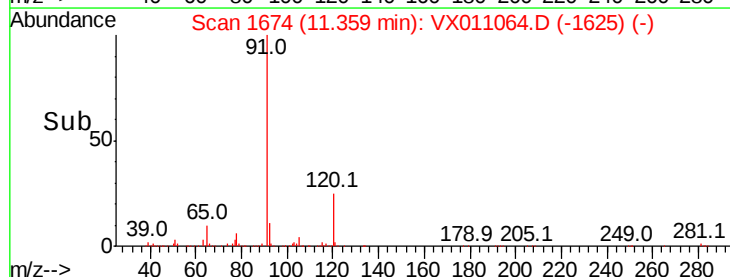
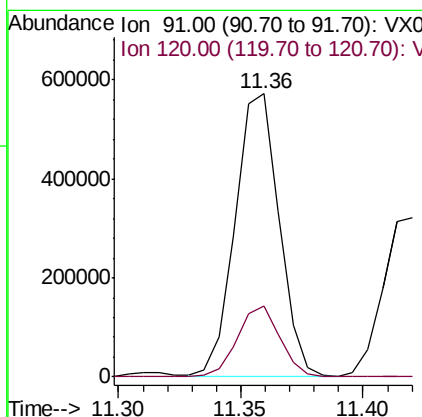
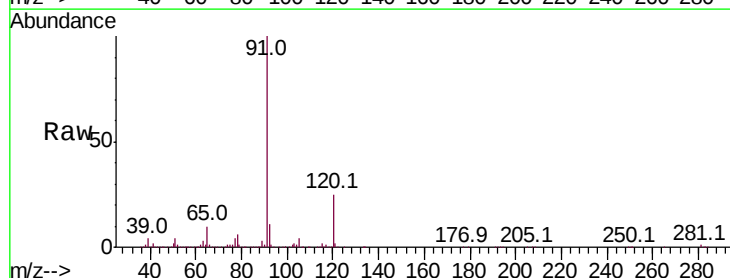
RT: 11.36 min Scan# 1674

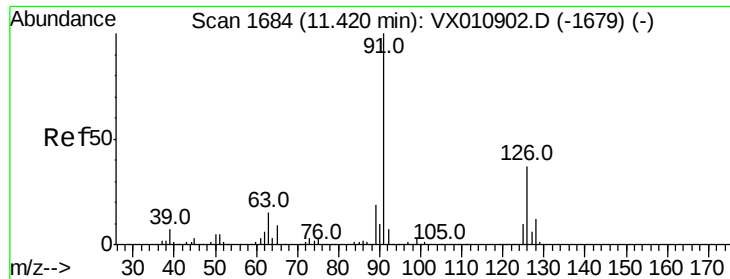
Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	91	Resp:	710887
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.3	36.8





#79

2-Chlorotoluene

Concen: 54.568 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 418196

Ion Ratio Lower Upper

91 100

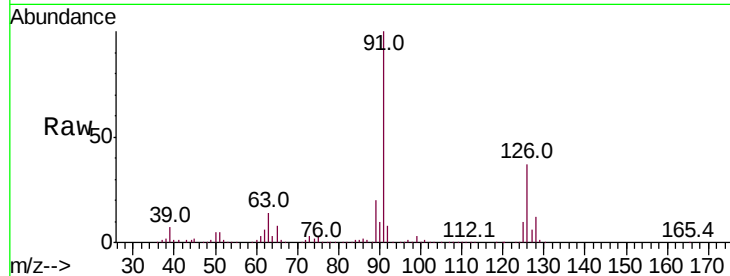
126 35.6 18.0 54.0

Manual Integrations

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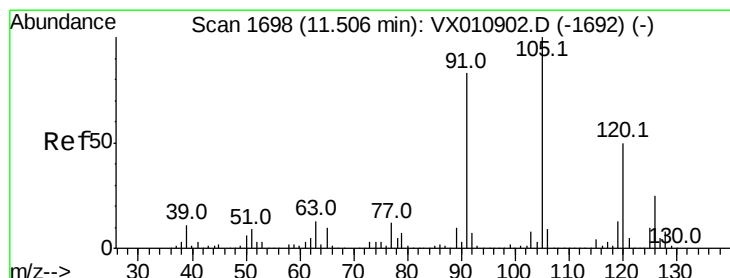
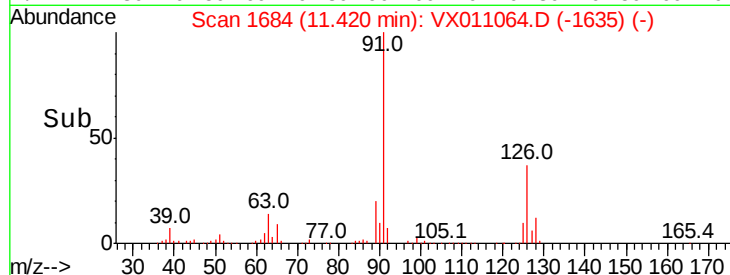
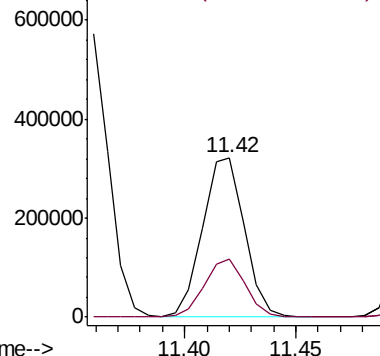
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.730 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011064.D

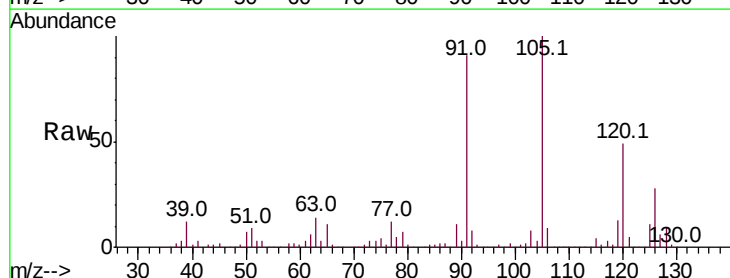
Acq: 25 Jul 2019 09:25

Tgt Ion:105 Resp: 537691

Ion Ratio Lower Upper

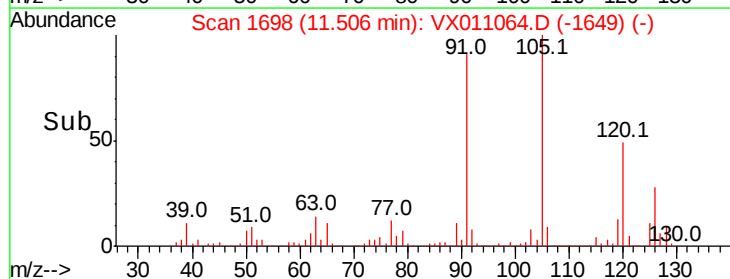
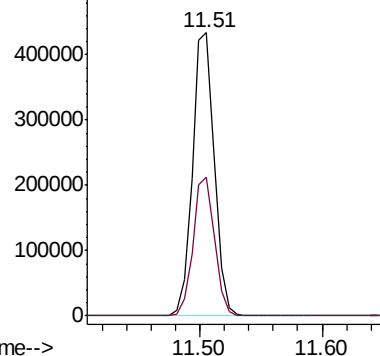
105 100

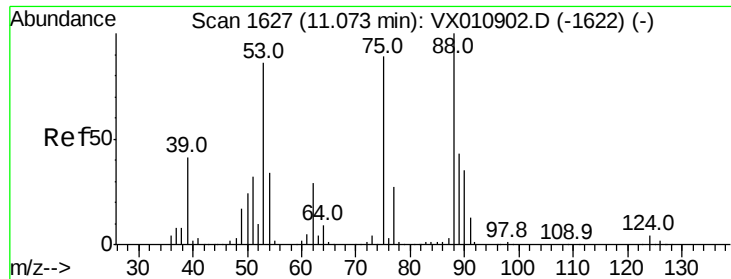
120 48.5 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





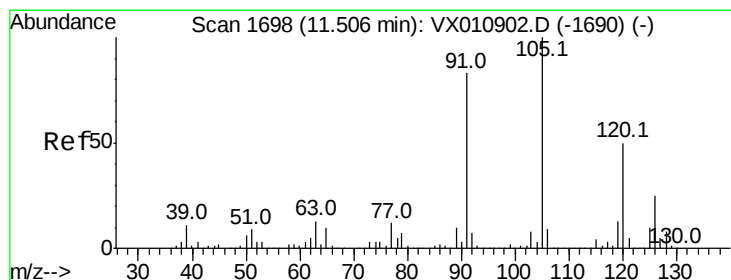
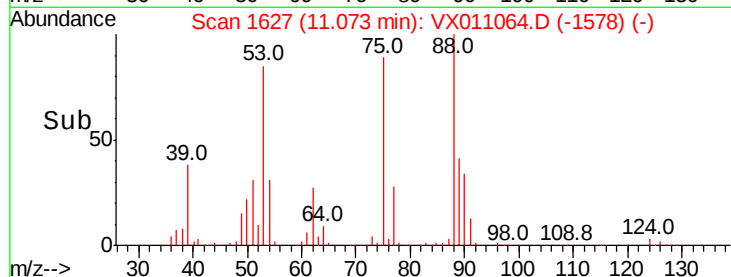
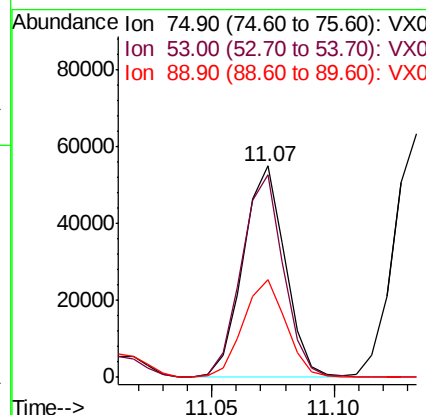
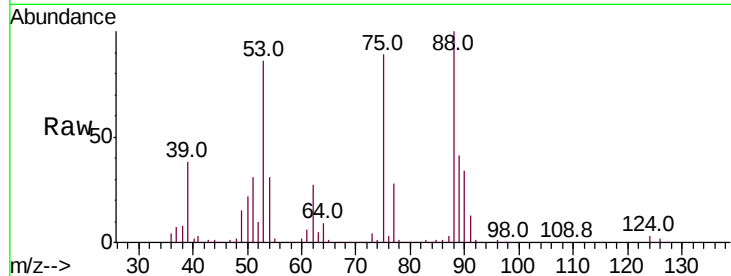
#81
trans-1,4-Dichloro-2-butene
Concen: 53.172 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	76.7	115.1
89	47.5	38.5	57.7

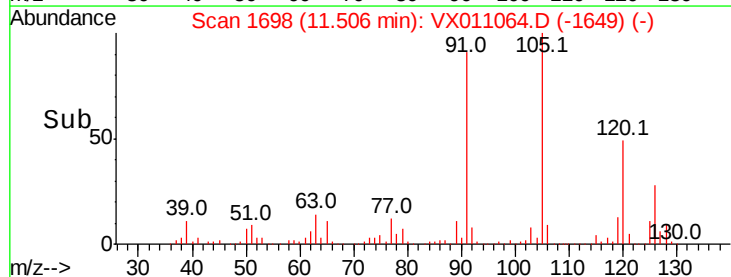
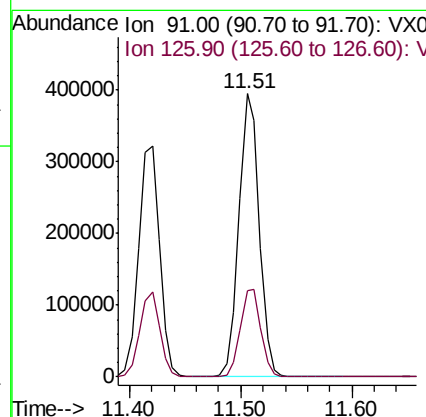
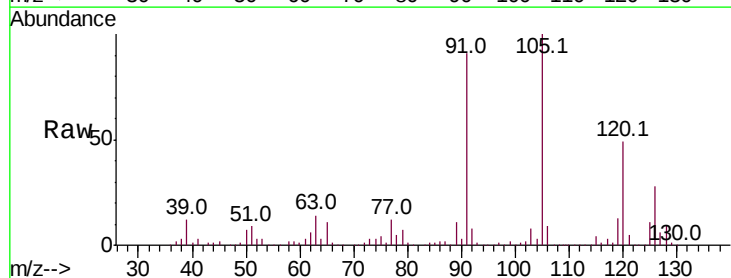
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#82
4-Chlorotoluene
Concen: 55.807 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





#83

tert-Butylbenzene

Concen: 55.557 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

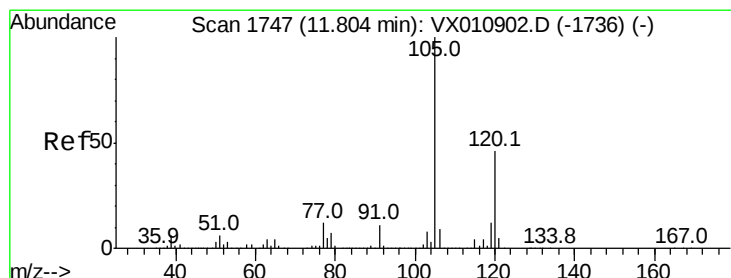
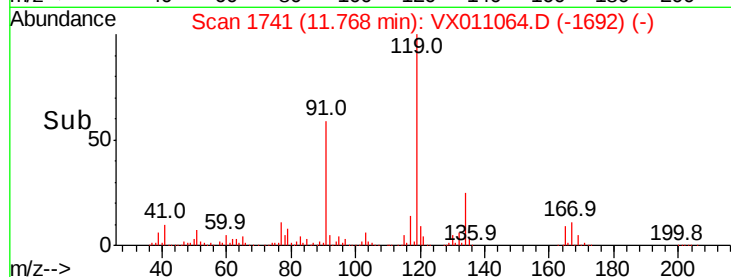
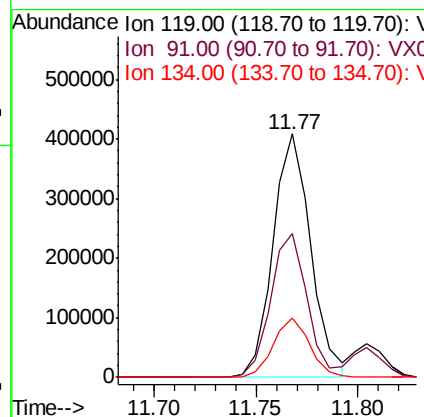
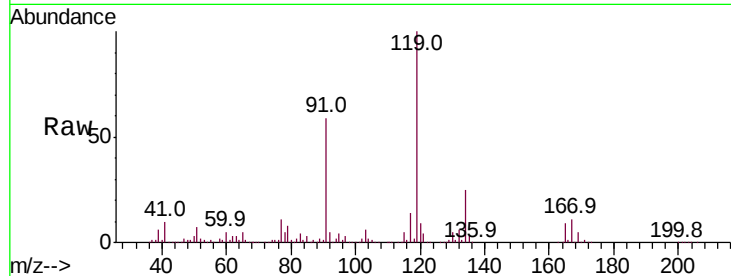
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	526506
Ion Ratio	Lower	Upper	
119	100		
91	57.8	28.6	85.8
134	23.3	11.6	34.8

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#84

1,2,4-Trimethylbenzene

Concen: 55.792 ug/l

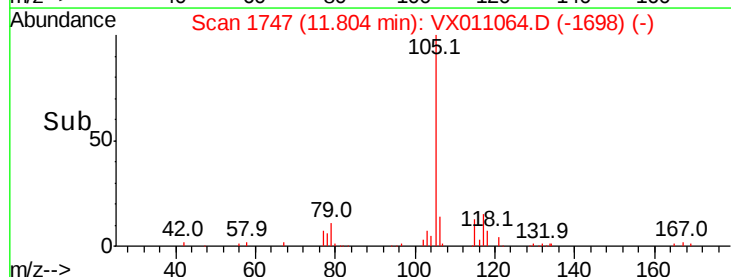
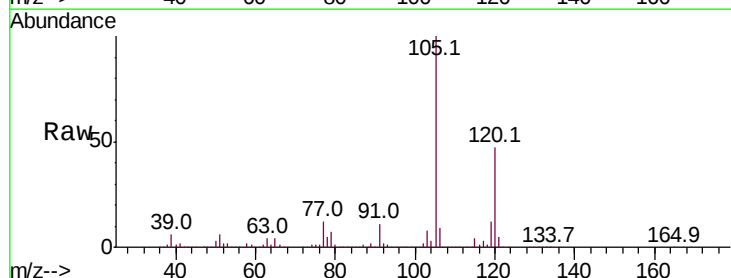
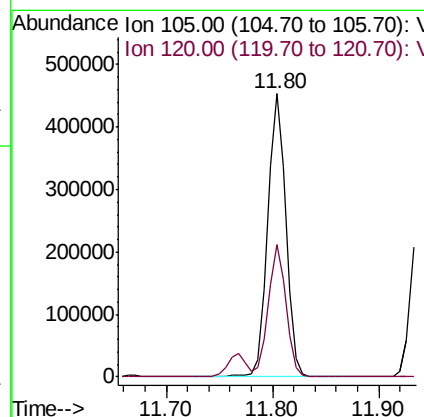
RT: 11.80 min Scan# 1747

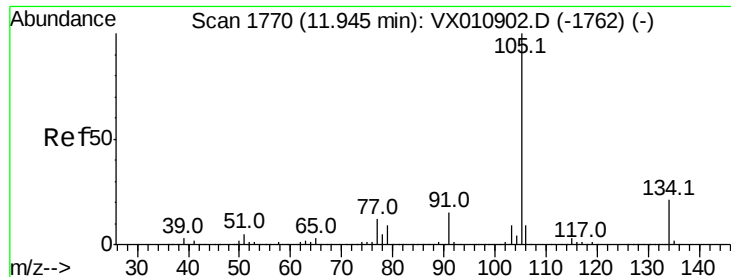
Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	105	Resp:	542537
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.9	68.5





#85

sec-Butylbenzene

Concen: 56.264 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 624778

Ion Ratio Lower Upper

105 100

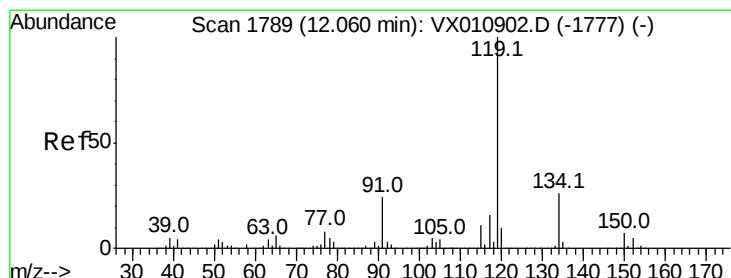
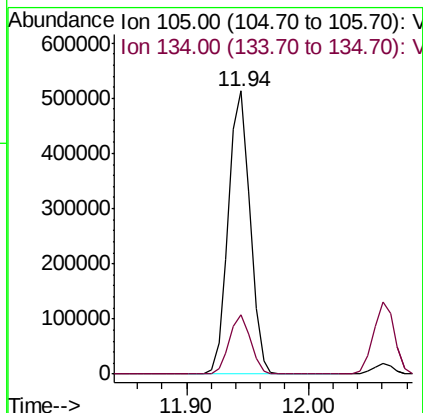
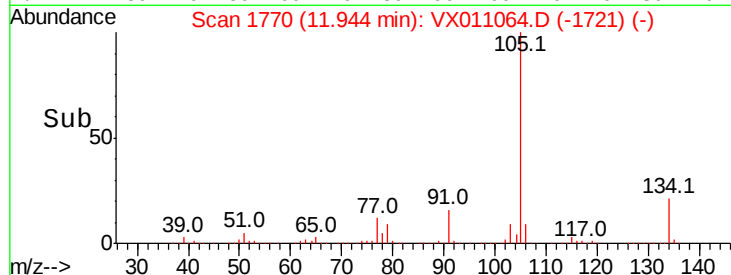
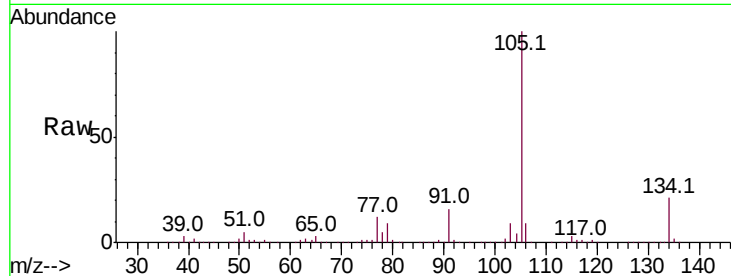
134 20.5 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 57.106 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

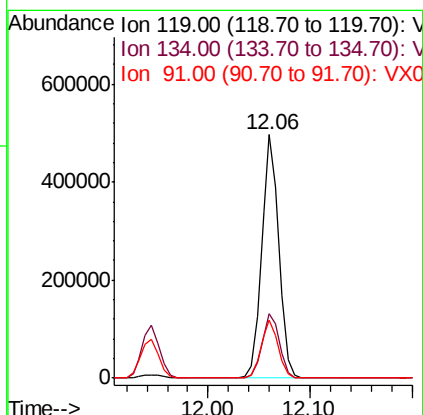
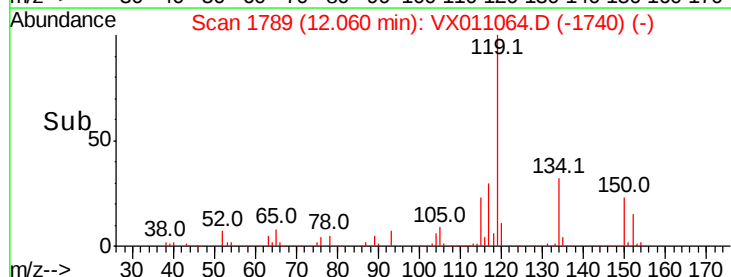
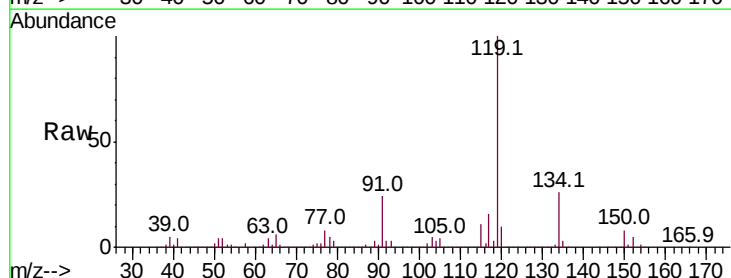
Tgt Ion:119 Resp: 586249

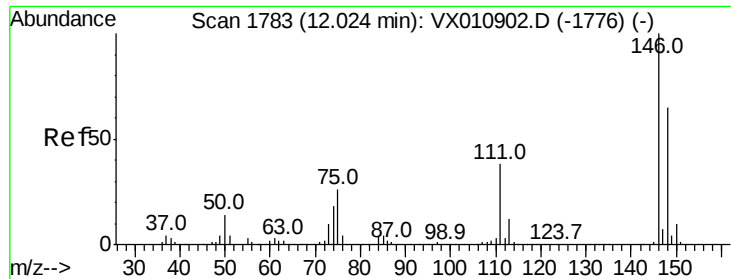
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.7 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 55.808 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

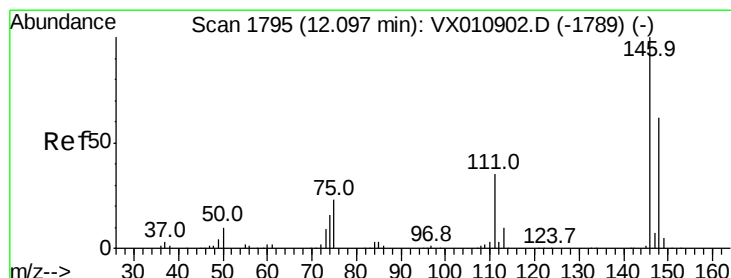
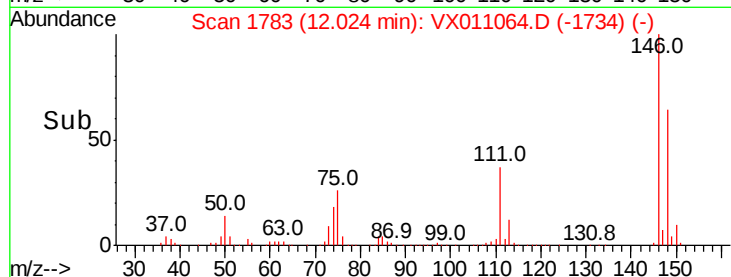
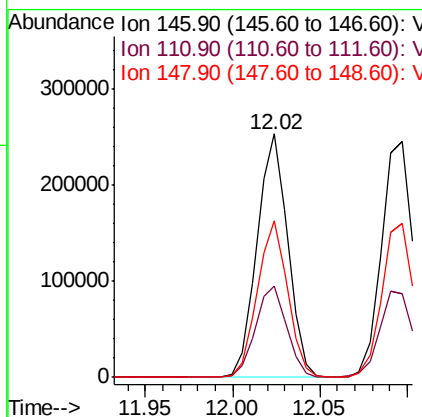
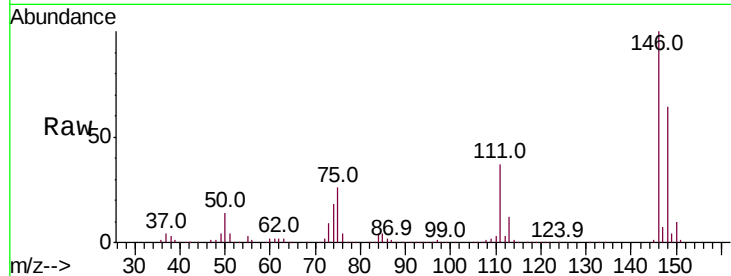
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	308452
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.9	56.9
148	63.6	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 54.530 ug/l

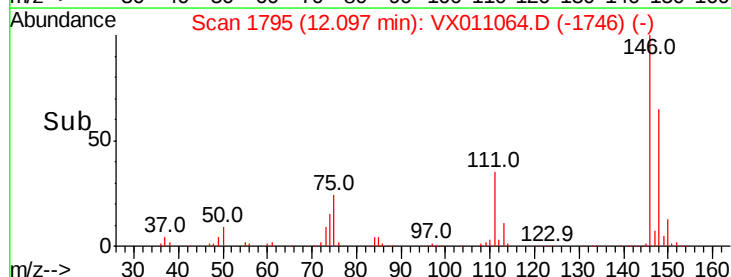
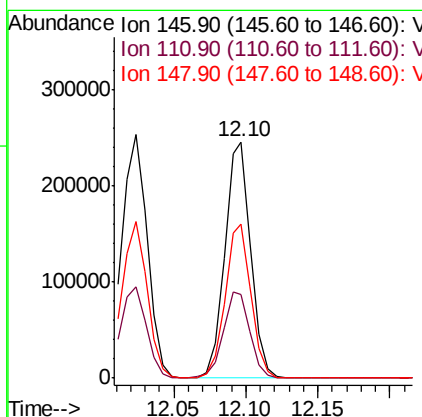
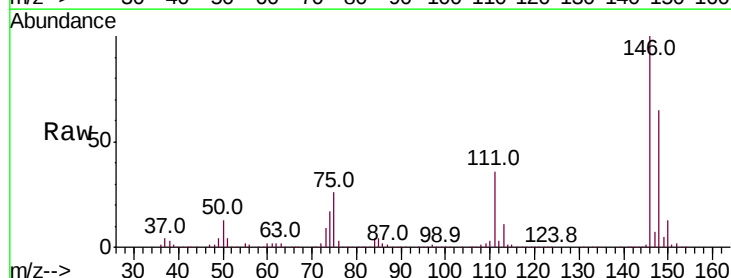
RT: 12.10 min Scan# 1795

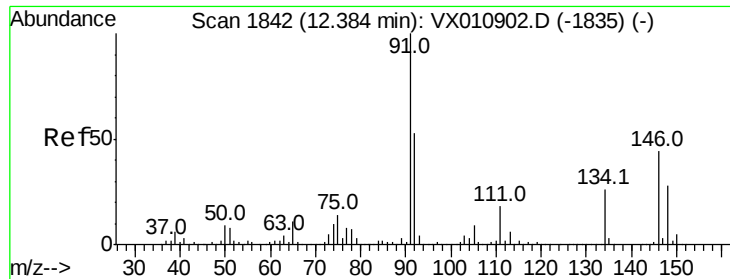
Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Tgt Ion:	146	Resp:	309110
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.6	55.8
148	64.9	31.6	94.7





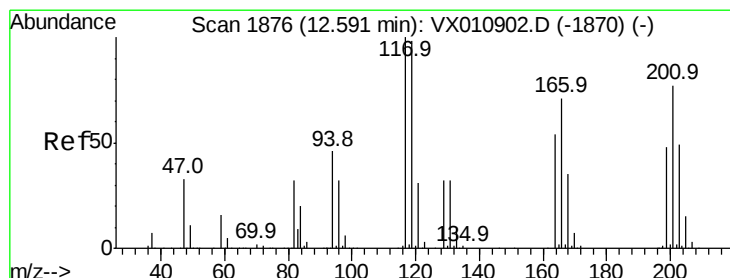
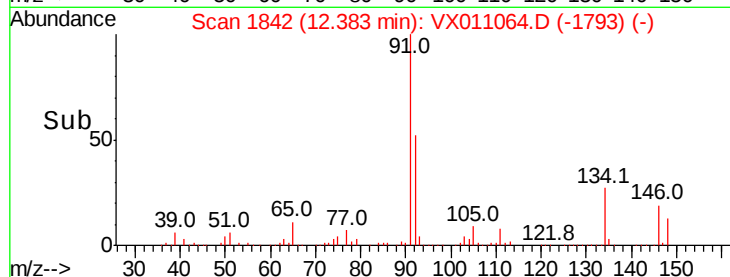
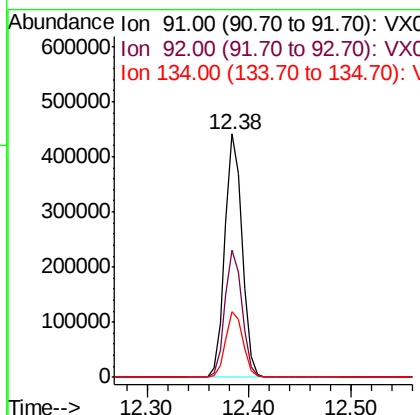
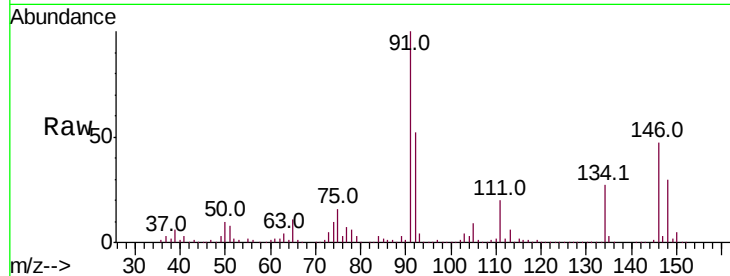
#89
n-Butylbenzene
Concen: 59.041 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	27.3	13.8	41.3

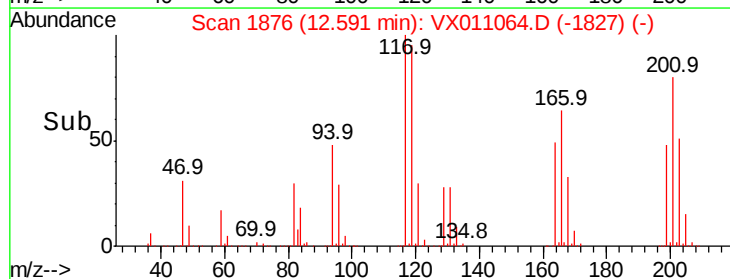
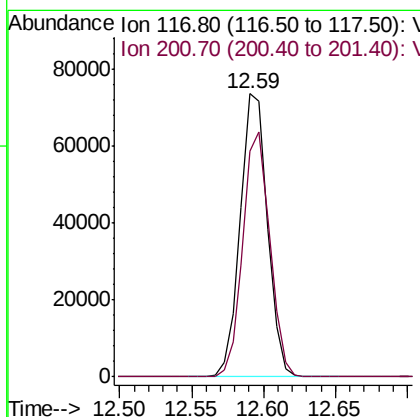
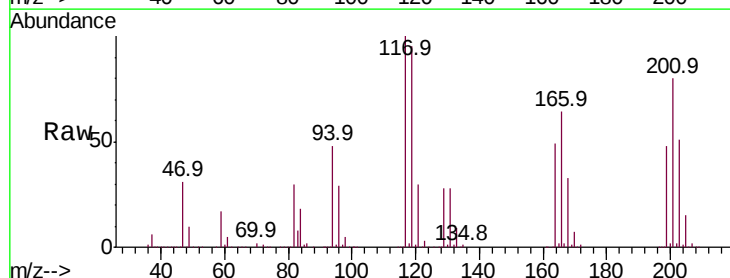
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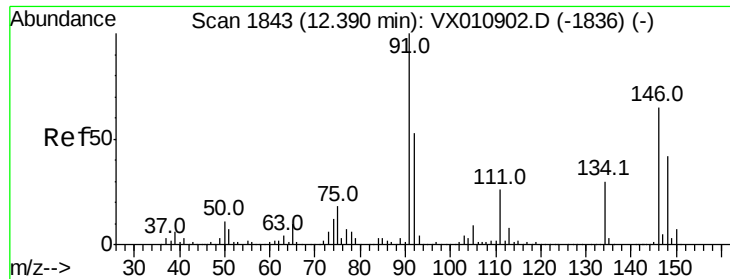
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#90
Hexachloroethane
Concen: 59.841 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	43.3	129.8





#91

1,2-Dichlorobenzene

Concen: 54.886 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 300648

Ion Ratio Lower Upper

146 100

111 40.3 19.9 59.7

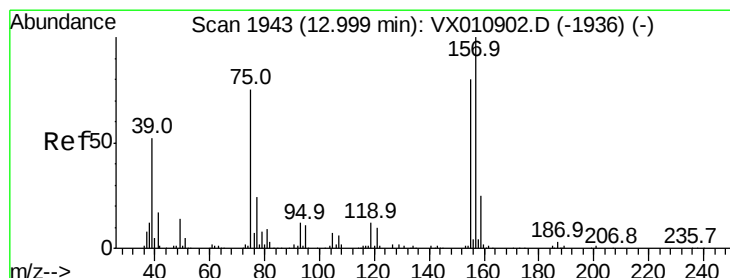
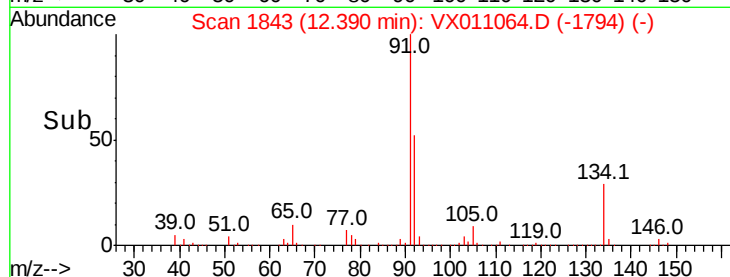
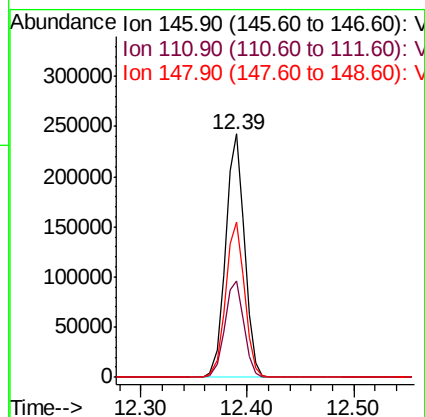
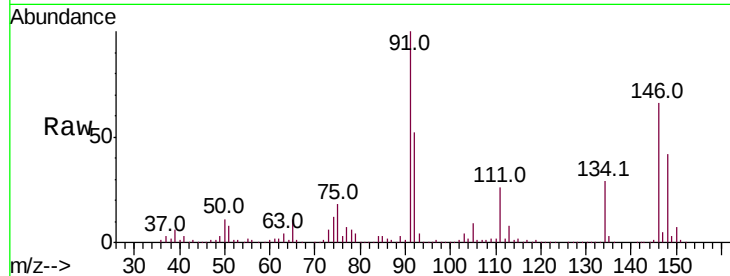
148 64.1 32.0 96.2

Manual Integrations

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#92

1,2-Dibromo-3-Chloropropane

Concen: 58.034 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX011064.D

Acq: 25 Jul 2019 09:25

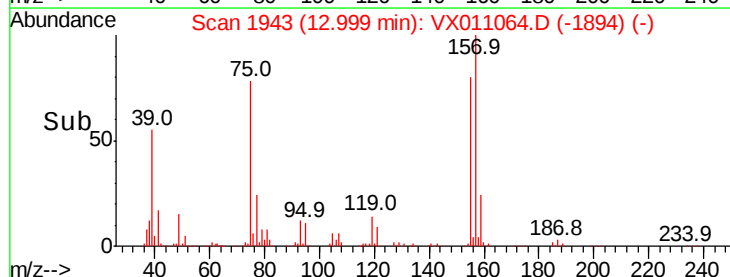
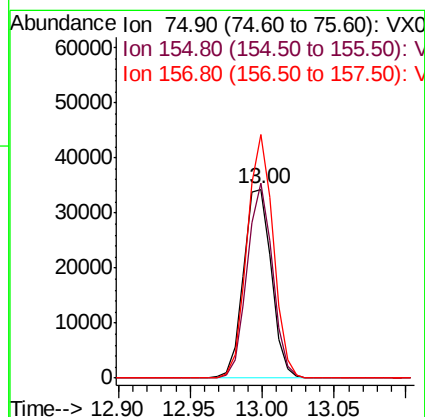
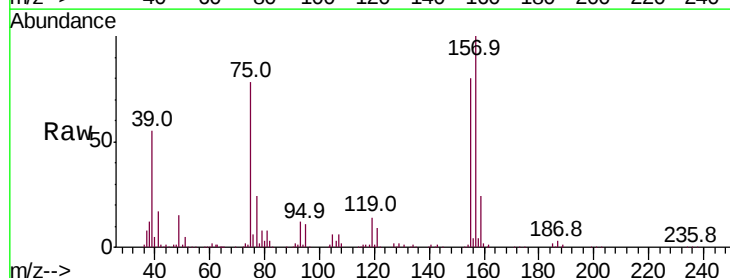
Tgt Ion: 75 Resp: 45838

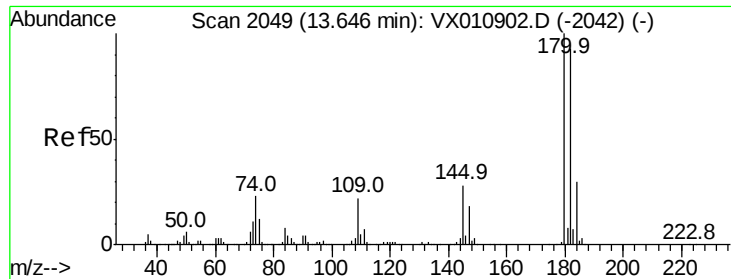
Ion Ratio Lower Upper

75 100

155 93.8 48.7 146.1

157 120.5 62.5 187.6





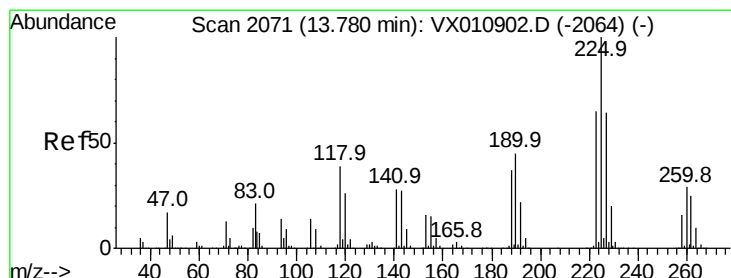
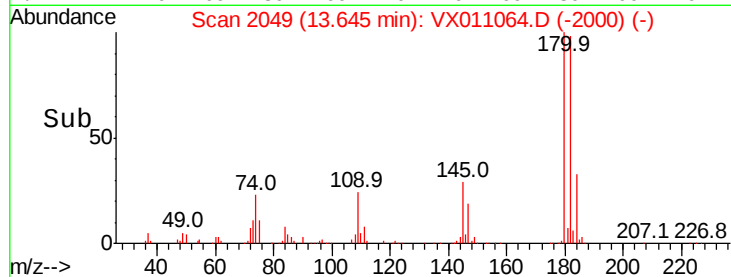
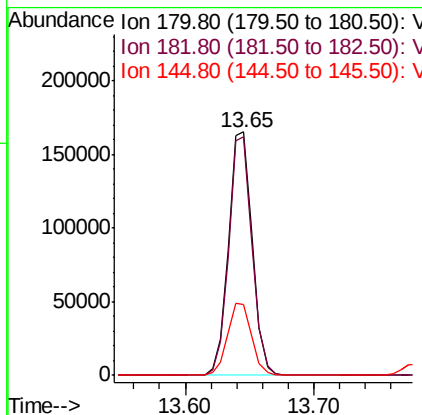
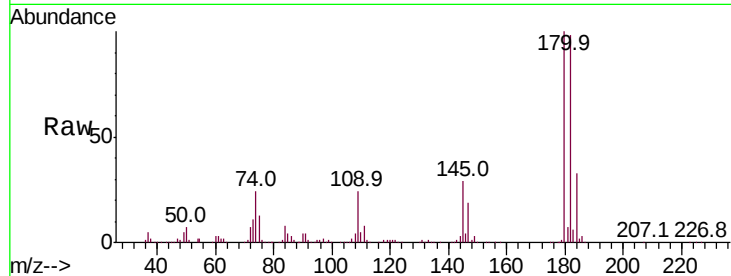
#93
 1,2,4-Trichlorobenzene
 Concen: 57.617 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011064.D
 Acq: 25 Jul 2019 09:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	213892
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.1	141.3
145	29.8	14.8	44.4

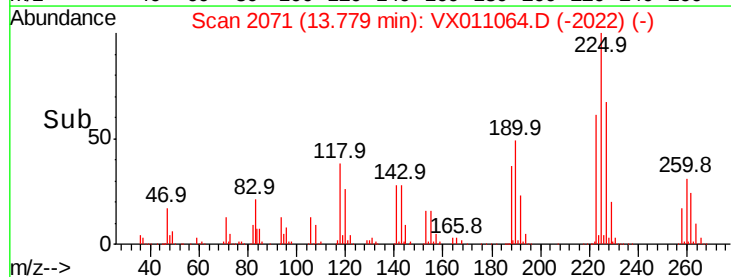
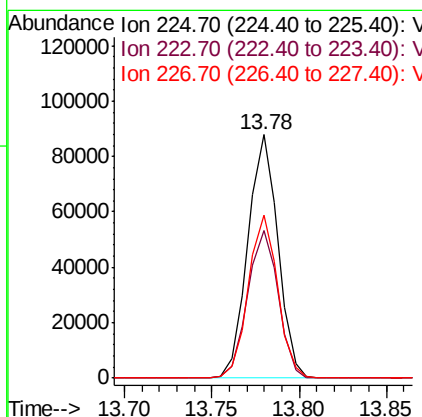
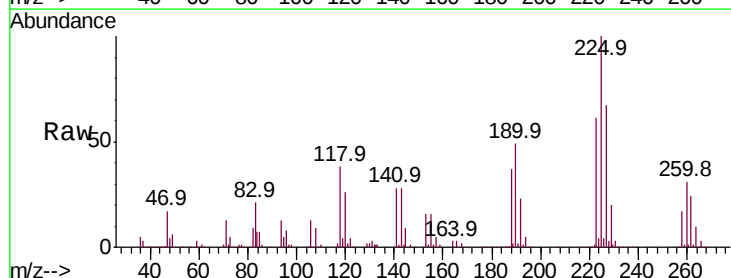
Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 9:49:15 AM



#94
 Hexachlorobutadiene
 Concen: 57.010 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011064.D
 Acq: 25 Jul 2019 09:25

Tgt Ion:	225	Resp:	104878
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.9	95.9
227	65.3	32.5	97.4





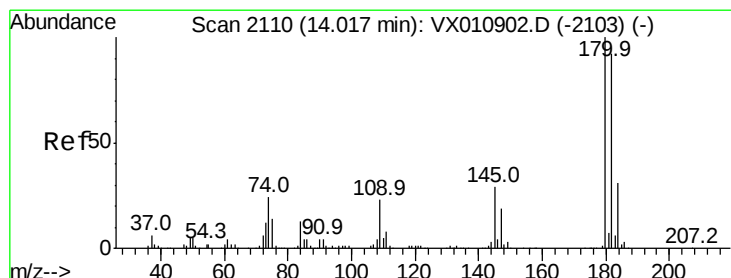
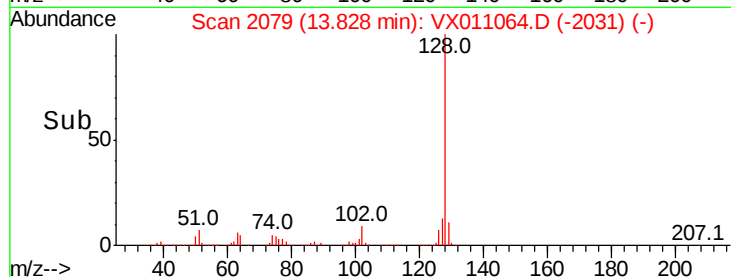
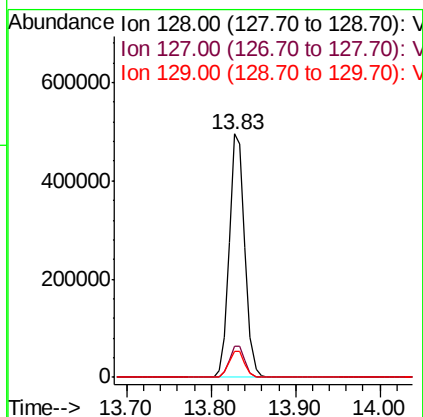
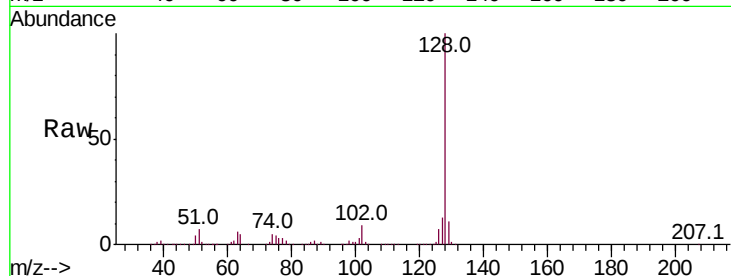
#95
Naphthalene
Concen: 57.138 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/26/2019 9:49:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 57.653 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011064.D
Acq: 25 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.3
145	31.6	15.1	45.3

