

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
 Data File : VX013186.D
 Acq On : 23 Oct 2019 13:31
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 10/25/2019 4:32:38 PM

Quant Time: Oct 23 15:55:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 15:31:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	90136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	132684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	132363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	10347	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
35) Dibromofluoromethane	5.49	113	7240	4.68	ug/l	0.00
Spiked Amount			Recovery	=	9.36%	
50) Toluene-d8	8.71	98	27721	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	
62) 4-Bromofluorobenzene	11.14	95	10605	4.55	ug/l	0.00
Spiked Amount			Recovery	=	9.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	9338	5.039	ug/l	98
3) Chloromethane	1.32	50	8199	5.083	ug/l	93
4) Vinyl Chloride	1.40	62	8415	5.045	ug/l	99
5) Bromomethane	1.63	94	5221	5.857	ug/l	89
6) Chloroethane	1.71	64	5137	4.537	ug/l	97
7) Trichlorofluoromethane	1.92	101	13880	5.113	ug/l	95
8) Diethyl Ether	2.18	74	4360	4.680	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7928	4.832	ug/l	97
10) Methyl Iodide	2.50	142	6887	3.487	ug/l	96
11) Tert butyl alcohol	3.04	59	13866	29.171	ug/l	95
12) 1,1-Dichloroethene	2.36	96	7724	4.954	ug/l	97
13) Acrolein	2.28	56	5084	18.623	ug/l	93
14) Allyl chloride	2.72	41	12101	4.970	ug/l	98
15) Acrylonitrile	3.13	53	21162	24.498	ug/l	98
16) Acetone	2.44	43	21347	23.611	ug/l	100
17) Carbon Disulfide	2.56	76	19828	4.753	ug/l	99
18) Methyl Acetate	2.76	43	10122	4.911	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	26892	4.978	ug/l	97
20) Methylene Chloride	2.84	84	9399	4.967	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	8449	4.932	ug/l	81
22) Diisopropyl ether	3.84	45	23556	4.964	ug/l	92
23) Vinyl Acetate	3.80	43	98889	23.945	ug/l	99
24) 1,1-Dichloroethane	3.69	63	14602	5.022	ug/l	99
25) 2-Butanone	4.66	43	30276	24.552	ug/l	97
26) 2,2-Dichloropropane	4.58	77	13167	5.026	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	9555	4.989	ug/l	98
28) Bromochloromethane	5.00	49	3681	4.735	ug/l #	99
29) Tetrahydrofuran	5.12	42	18565	25.093	ug/l	100
30) Chloroform	5.20	83	15977	5.085	ug/l	97
31) Cyclohexane	5.58	56	12971	5.143	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	13340	4.732	ug/l	97
36) 1,1-Dichloropropene	5.79	75	11365	4.780	ug/l	99
37) Ethyl Acetate	4.82	43	10346	4.404	ug/l	100
38) Carbon Tetrachloride	5.78	117	11440	4.718	ug/l	97

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Manual Integrations
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Quant Time: Oct 23 15:55:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 15:31:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	13441	4.768	ug/l	98
40) Benzene	6.14	78	32711	4.839	ug/l	98
41) Methacrylonitrile	5.03	41	5680	4.565	ug/l	94
42) 1,2-Dichloroethane	6.18	62	12515	4.927	ug/l	100
43) Isopropyl Acetate	6.43	43	17850	4.763	ug/l	99
44) Trichloroethene	7.21	130	9203	4.805	ug/l	100
45) 1,2-Dichloropropane	7.51	63	7918	4.719	ug/l	89
46) Dibromomethane	7.65	93	5694	4.808	ug/l	100
47) Bromodichloromethane	7.89	83	10910	4.675	ug/l	95
48) Methyl methacrylate	7.76	41	8954	4.927	ug/l	95
49) 1,4-Dioxane	7.73	88	4952	100.037	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	55768	24.281	ug/l	100
52) Toluene	8.78	92	21371	4.899	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	10388	4.157	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	12161	4.412	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	8932	5.064	ug/l	94
56) Ethyl methacrylate	9.17	69	12015	4.451	ug/l	96
57) 1,3-Dichloropropane	9.37	76	14083	4.827	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	24862	23.466	ug/l	97
59) 2-Hexanone	9.49	43	42726	23.716	ug/l	99
60) Dibromochloromethane	9.58	129	8157	4.506	ug/l	93
61) 1,2-Dibromoethane	9.67	107	9032	4.791	ug/l	97
64) Tetrachloroethene	9.33	164	9094	5.059	ug/l	92
65) Chlorobenzene	10.14	112	23148	5.006	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	7994	4.720	ug/l	97
67) Ethyl Benzene	10.25	91	39988	4.838	ug/l	96
68) m/p-Xylenes	10.35	106	29940	9.583	ug/l	99
69) o-Xylene	10.70	106	14774	4.854	ug/l	99
70) Styrene	10.71	104	23928	4.672	ug/l	99
71) Bromoform	10.85	173	5076	4.149	ug/l #	100
73) Isopropylbenzene	11.01	105	40296	5.086	ug/l	97
74) N-amyl acetate	10.89	43	13820	4.669	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	12214	4.978	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	11774m	5.752	ug/l	
77) Bromobenzene	11.25	156	9769	5.212	ug/l	97
78) n-propylbenzene	11.35	91	41859	4.931	ug/l	98
79) 2-Chlorotoluene	11.42	91	27196	4.979	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	31860	4.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	3279	4.096	ug/l	90
82) 4-Chlorotoluene	11.51	91	30285	4.864	ug/l	99
83) tert-Butylbenzene	11.76	119	32640	5.041	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	31750	4.673	ug/l	98
85) sec-Butylbenzene	11.94	105	35577	4.775	ug/l	96
86) p-Isopropyltoluene	12.06	119	33457	4.777	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	17120	4.896	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	16984	4.784	ug/l	95
89) n-Butylbenzene	12.39	91	26147	4.515	ug/l	98
90) Hexachloroethane	12.59	117	5036	4.225	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	16172	4.757	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3067	5.175	ug/l	90

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

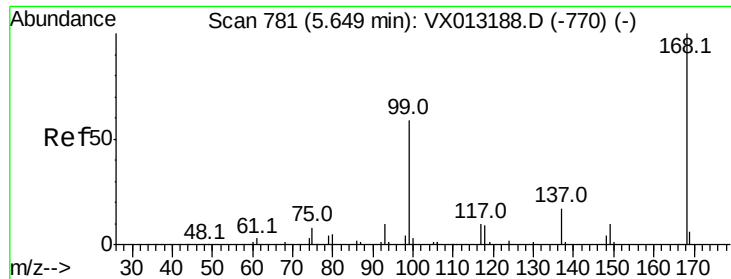
Manual Integrations
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Quant Time: Oct 23 15:55:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 15:31:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	9597	4.447	ug/l	96
94) Hexachlorobutadiene	13.78	225	5166	4.722	ug/l	95
95) Naphthalene	13.83	128	31788	4.712	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	9765	4.506	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 90136

Ion Ratio Lower Upper

168 100

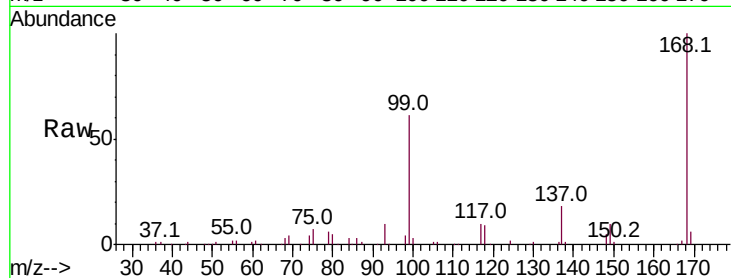
99 61.2 46.4 69.6

Manual Integrations

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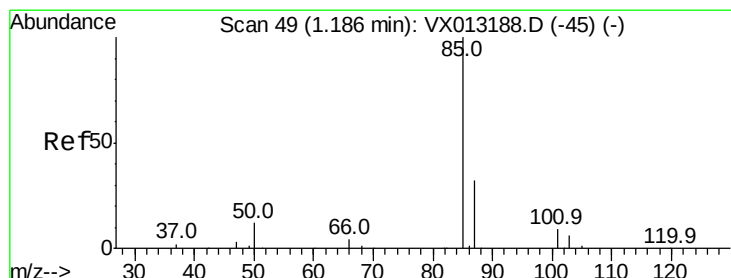
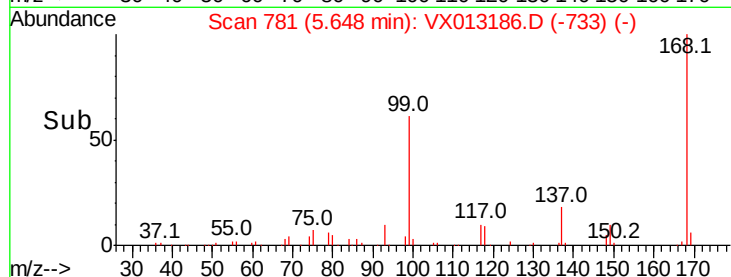
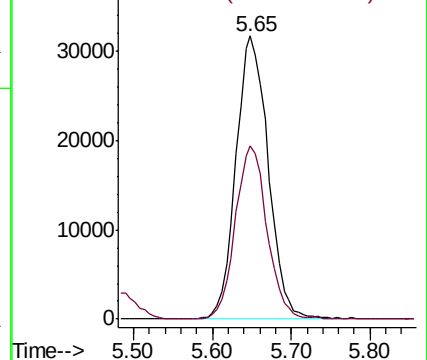
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 5.039 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013186.D

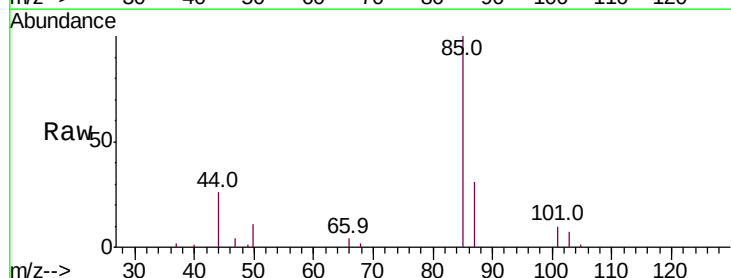
Acq: 23 Oct 2019 13:31

Tgt Ion: 85 Resp: 9338

Ion Ratio Lower Upper

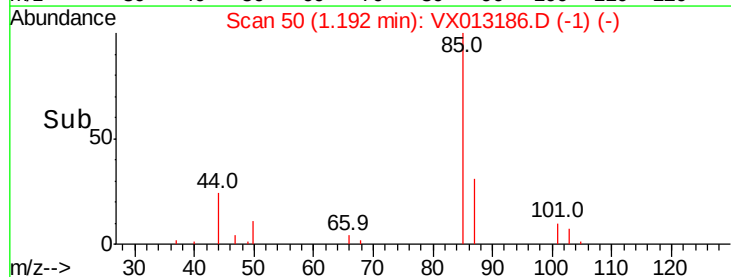
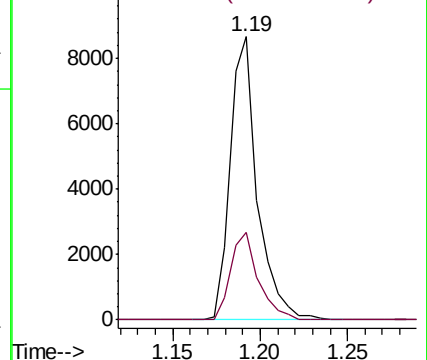
85 100

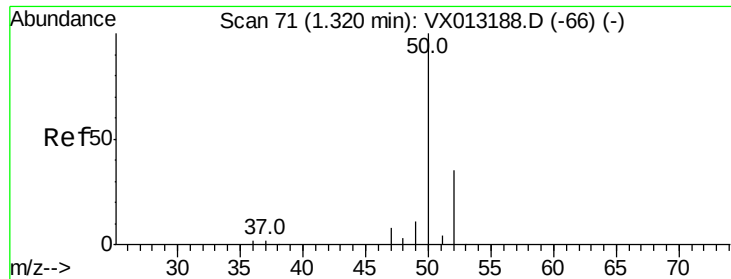
87 31.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 5.083 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8199

Ion Ratio Lower Upper

50 100

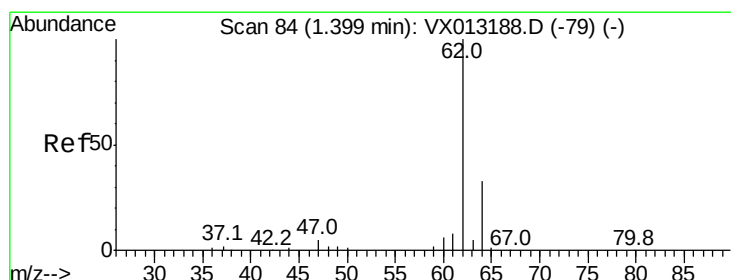
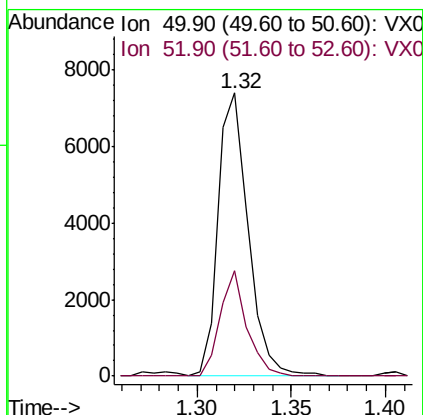
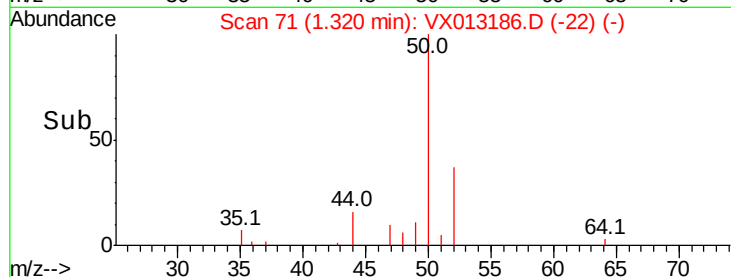
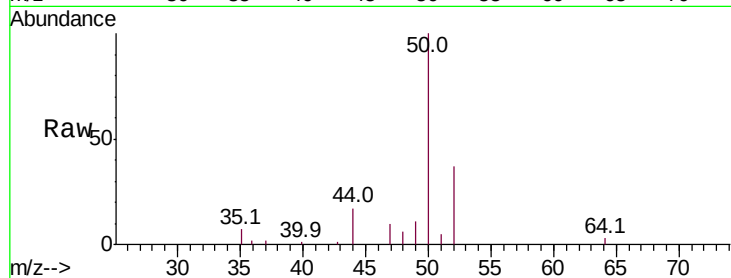
52 37.3 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.045 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013186.D

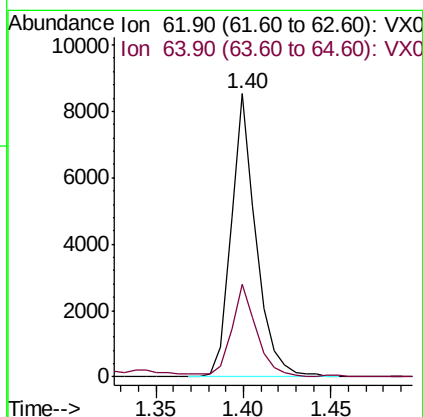
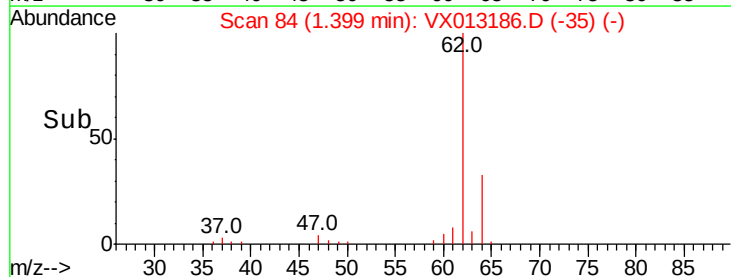
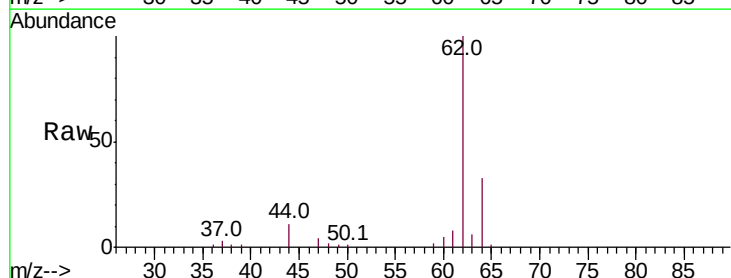
Acq: 23 Oct 2019 13:31

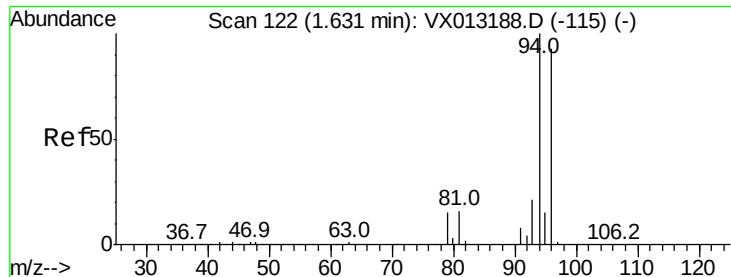
Tgt Ion: 62 Resp: 8415

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 5.857 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5221

Ion Ratio Lower Upper

94 100

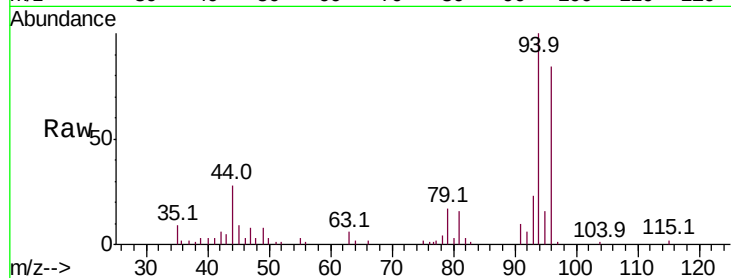
96 84.2 75.8 113.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

6000

5000

4000

3000

2000

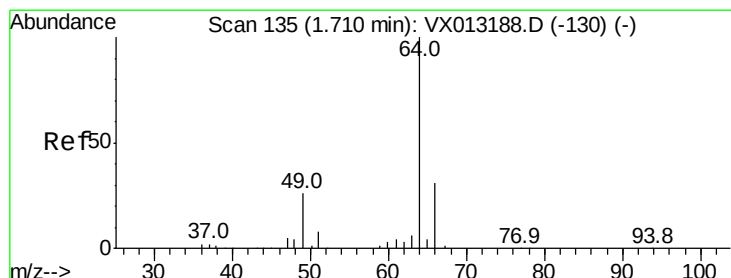
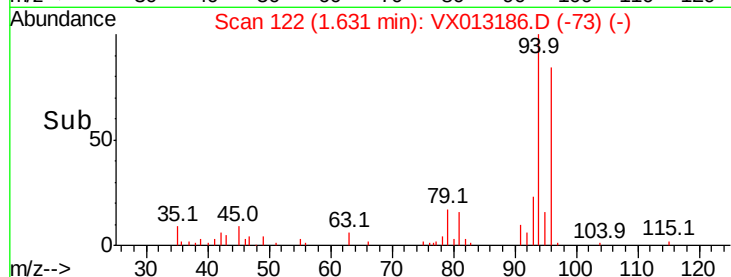
1000

0

1.63

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 4.537 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013186.D

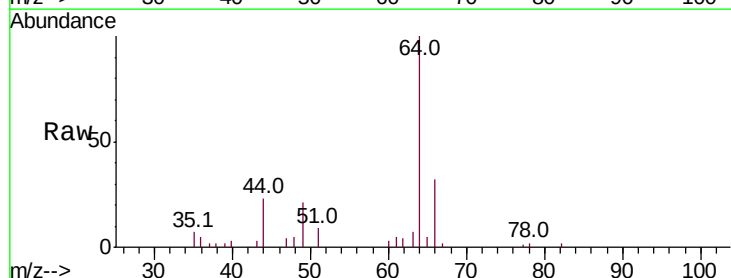
Acq: 23 Oct 2019 13:31

Tgt Ion: 64 Resp: 5137

Ion Ratio Lower Upper

64 100

66 32.9 27.8 41.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

4000

3000

2000

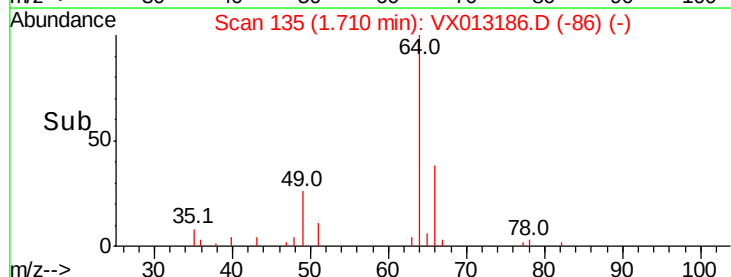
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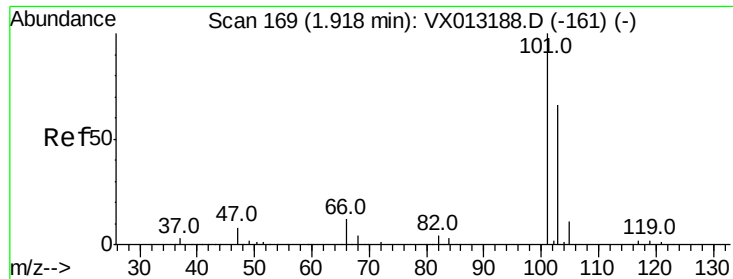
0

1.71

1.65 1.70 1.75

Time-->





#7

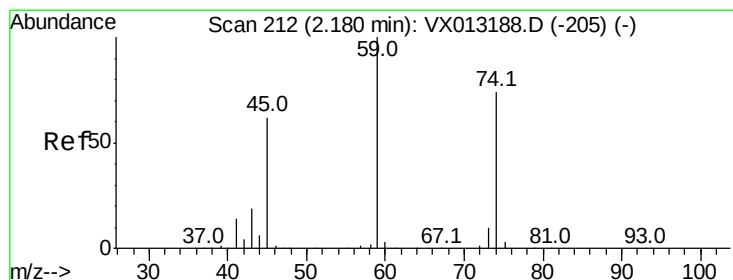
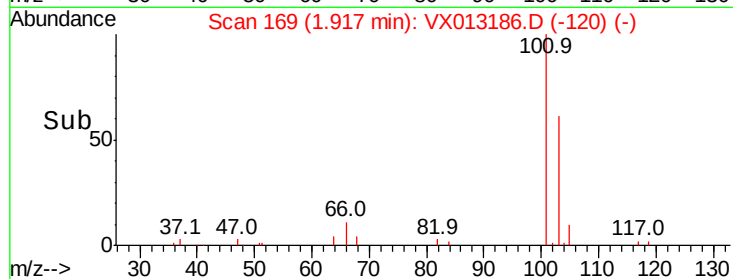
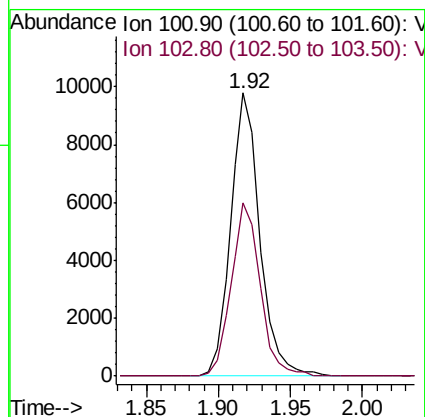
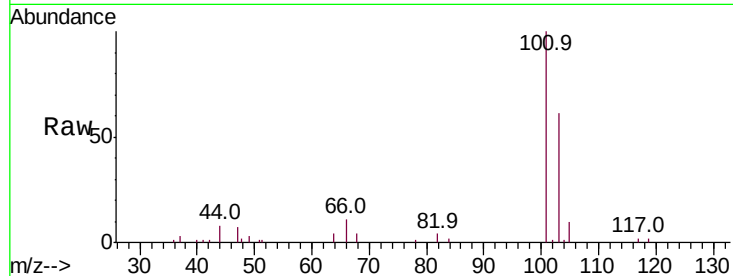
Trichlorofluoromethane
Concen: 5.113 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	51.9	77.9

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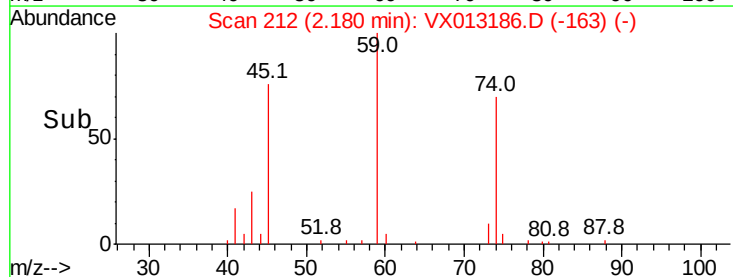
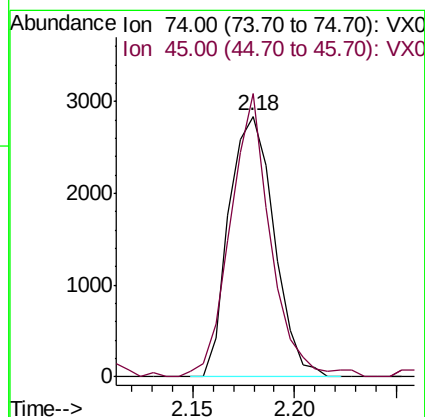
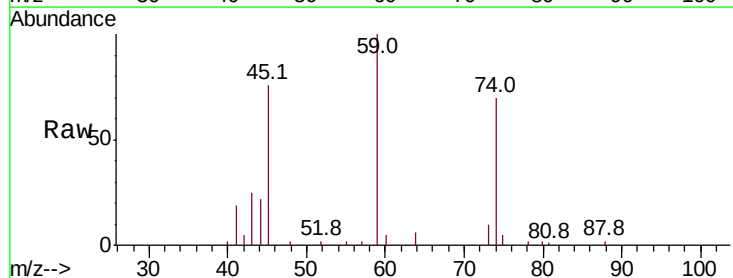
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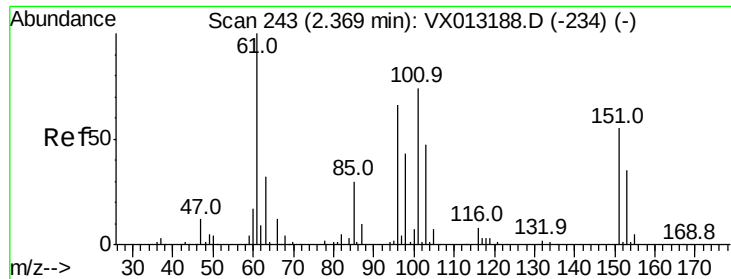


#8

Diethyl Ether
Concen: 4.680 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	44.1	132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.832 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

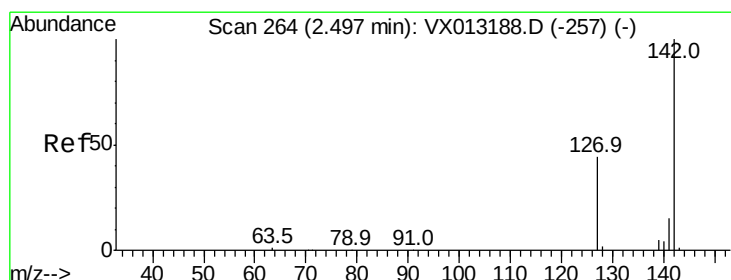
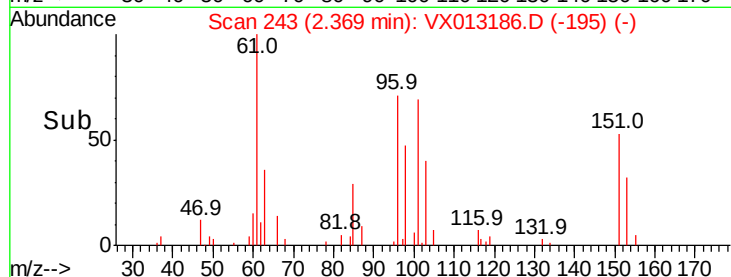
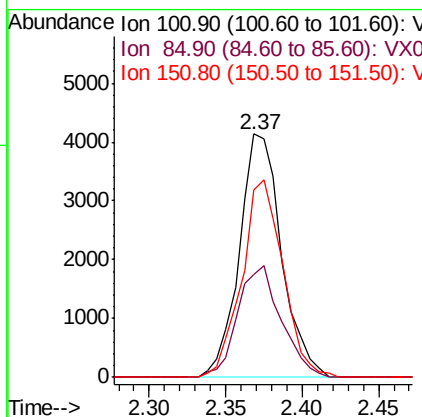
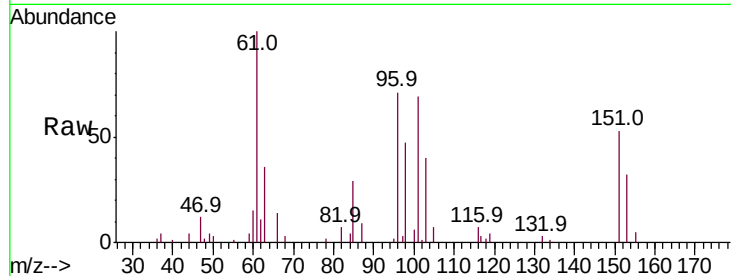
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	7928
Ion Ratio	Lower	Upper	
101	100		
85	47.3	35.0	52.4
151	79.4	62.5	93.7

Manual Integrations
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#10

Methyl Iodide

Concen: 3.487 ug/l

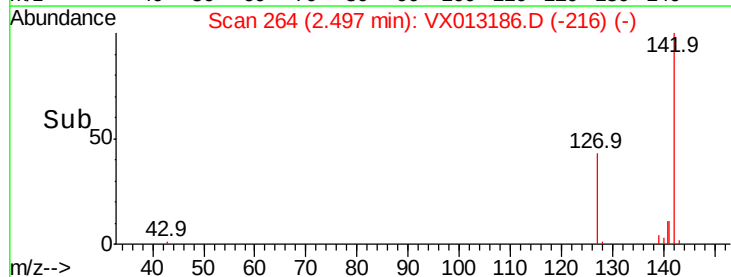
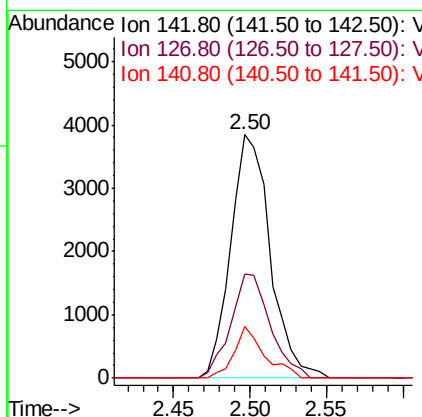
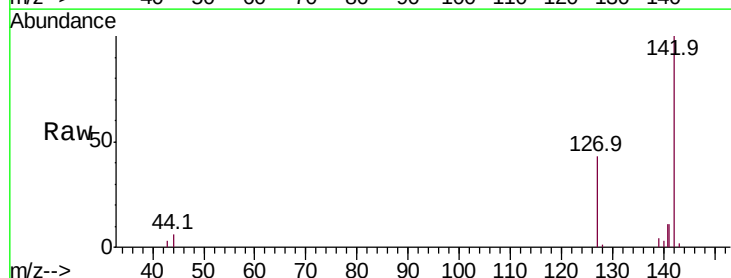
RT: 2.50 min Scan# 264

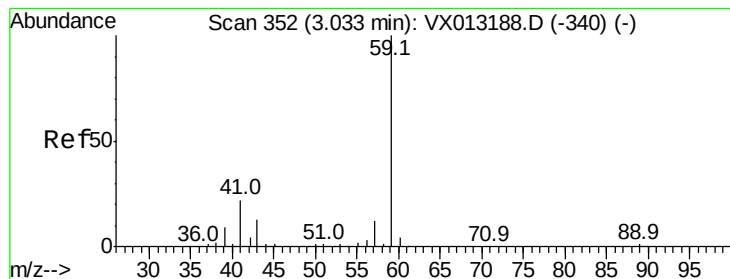
Delta R.T. -0.01 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Tgt Ion:	142	Resp:	6887
Ion Ratio	Lower	Upper	
142	100		
127	42.9	36.2	54.4
141	16.3	11.8	17.6





#11

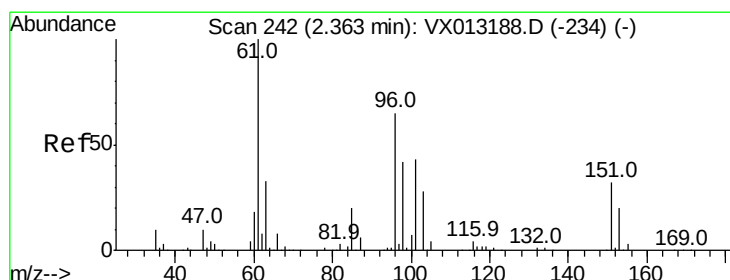
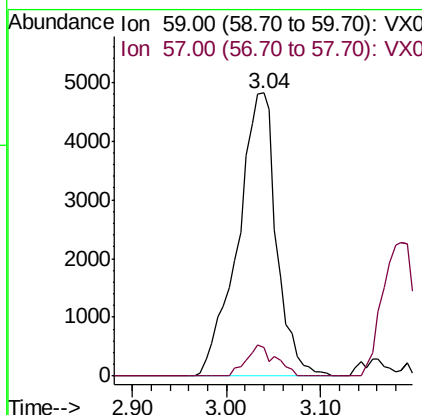
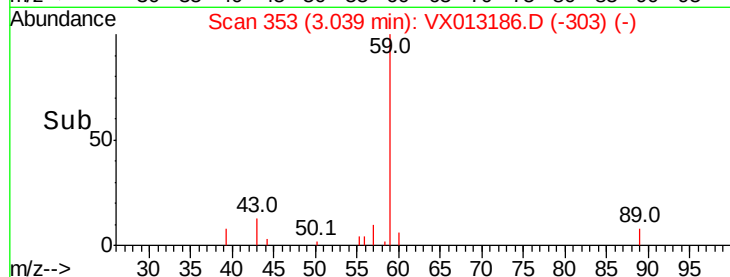
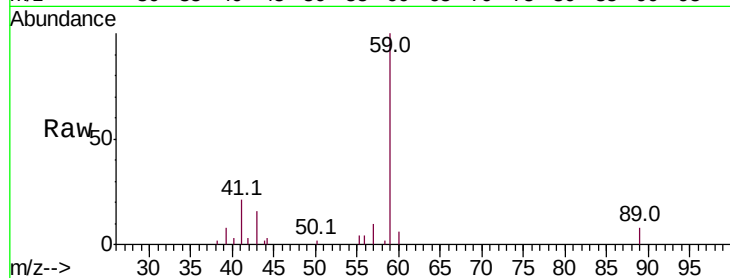
Tert butyl alcohol
 Concen: 29.171 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	59	57	Ratio	100	8.3	Resp:	13866	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	8.3	Resp:	13866	Lower	8.2	Upper	12.2

Manual Integrations
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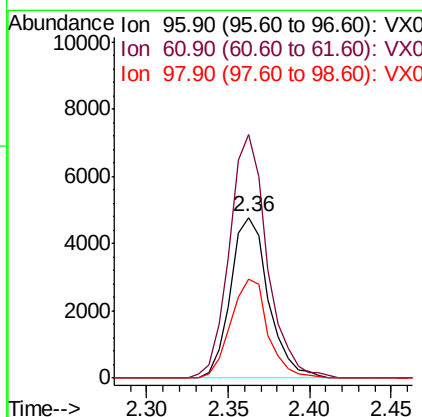
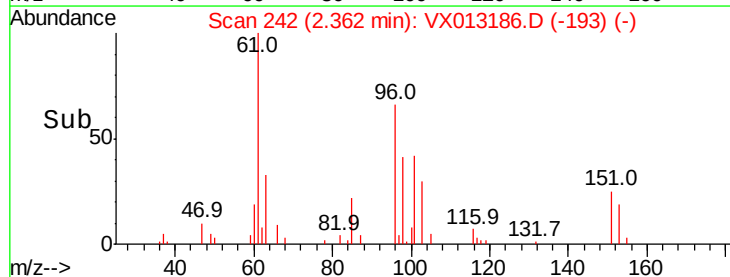
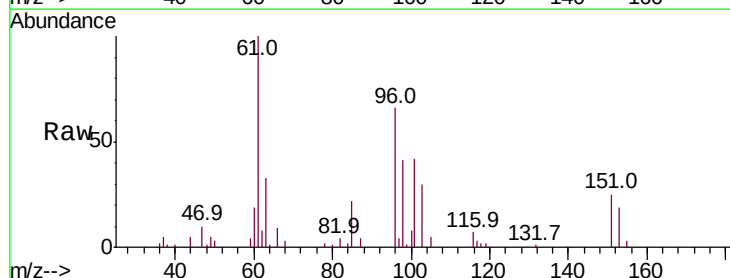
MMDadoda
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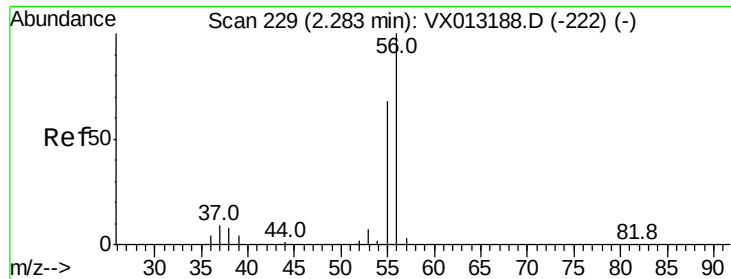


#12

1,1-Dichloroethene
 Concen: 4.954 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Tgt Ion	96	61	98	Ratio	100	151.8	61.7	Resp:	7724	Lower	125.4	49.0	Upper	188.2	73.6
Ion	96	61	98	Ratio	100	151.8	61.7	Resp:	7724	Lower	125.4	49.0	Upper	188.2	73.6





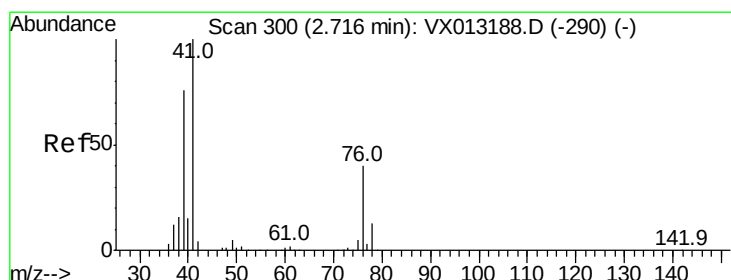
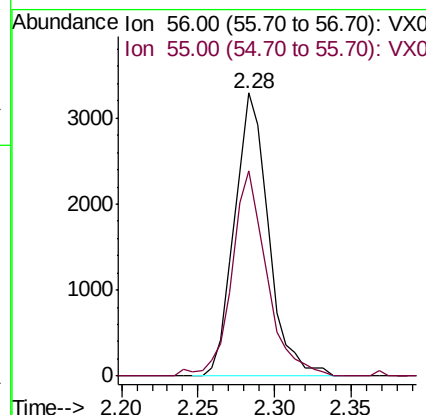
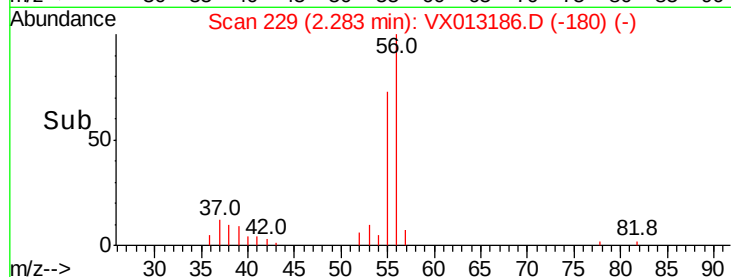
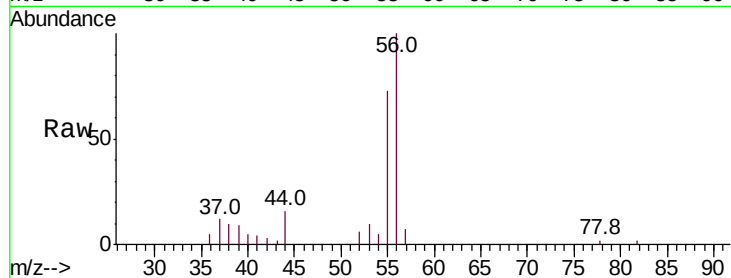
#13
Acrolein
Concen: 18.623 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.6	55.0	82.4

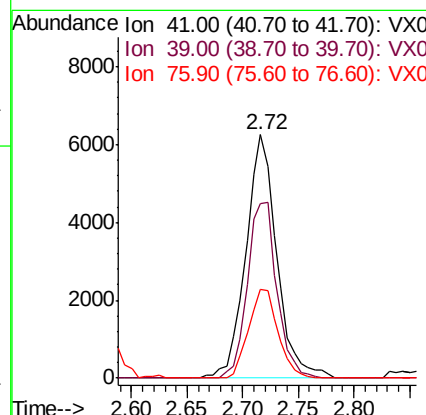
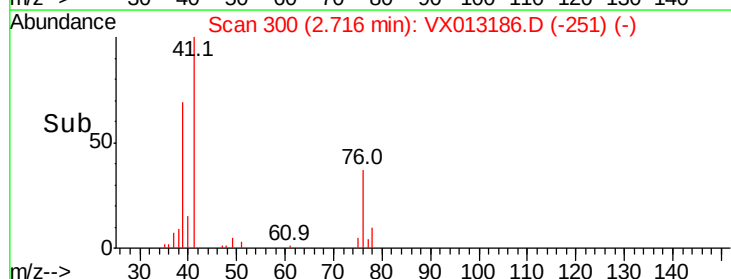
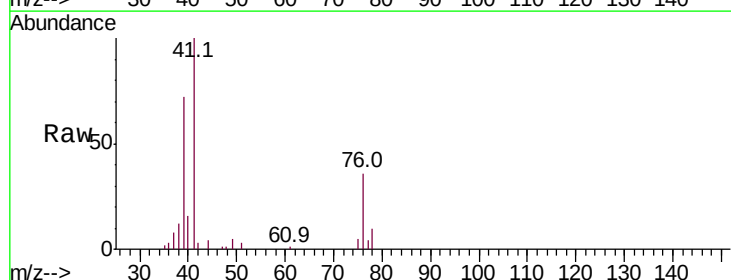
Manual Integrations
APPROVED

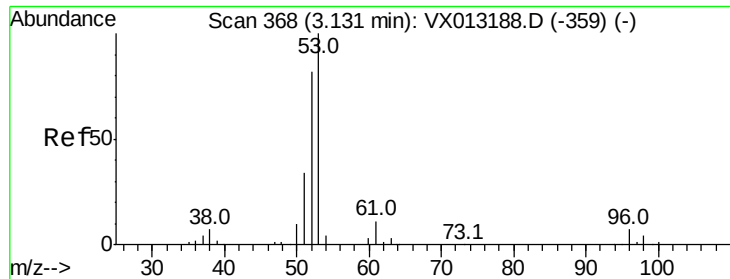
MMDadoda
10/25/2019 4:32:38 PM



#14
Allyl chloride
Concen: 4.970 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.8	54.2	81.4
76	34.7	29.1	43.7





#15

Acrylonitrile

Concen: 24.498 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

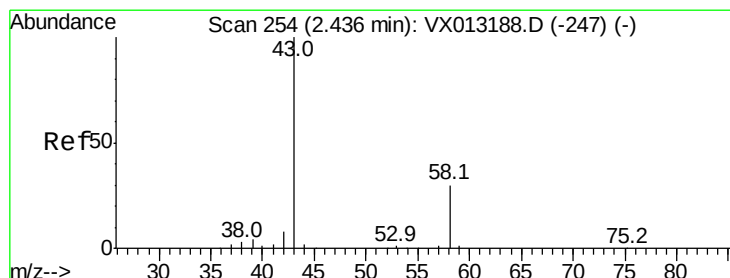
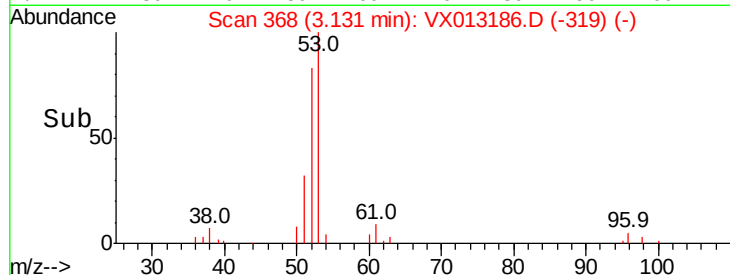
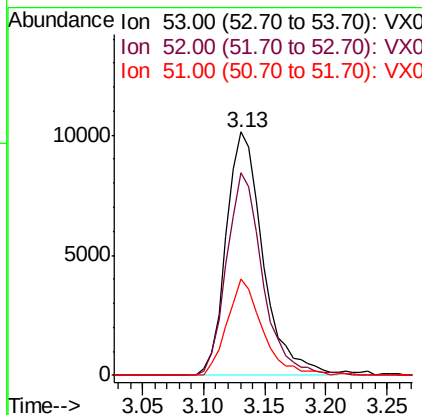
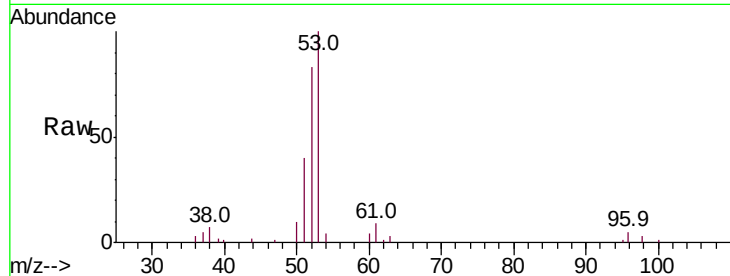
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	21162
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.9	100.3
51	37.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 23.611 ug/l

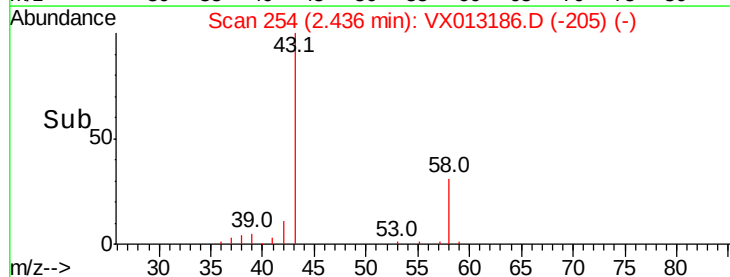
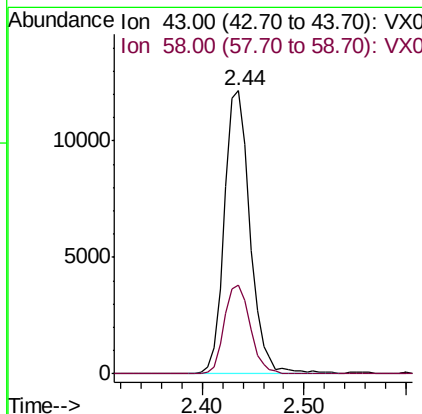
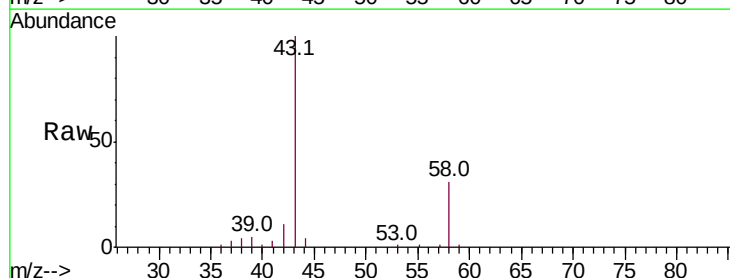
RT: 2.44 min Scan# 254

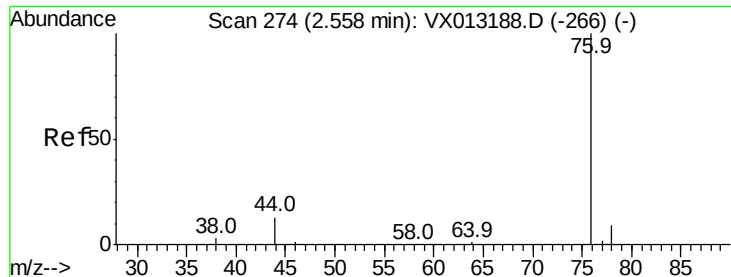
Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Tgt Ion:	43	Resp:	21347
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.1	37.7





#17

Carbon Disulfide

Concen: 4.753 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 19828

Ion Ratio Lower Upper

76 100

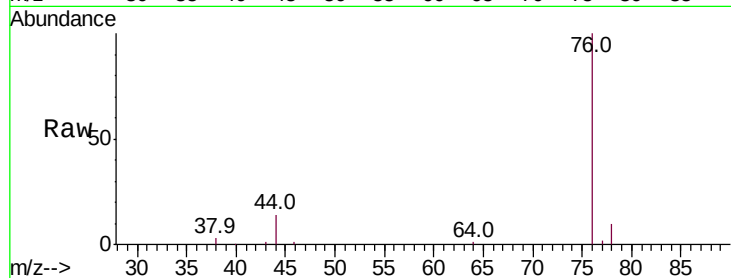
78 9.5 7.4 11.2

Manual Integrations

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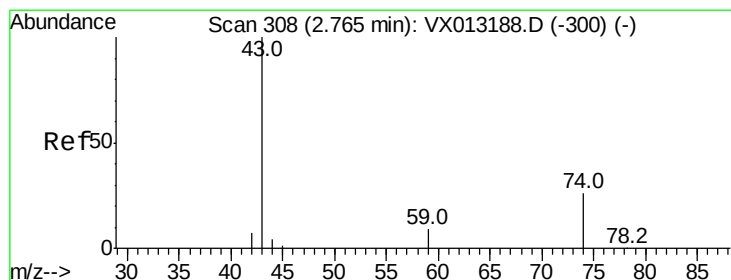
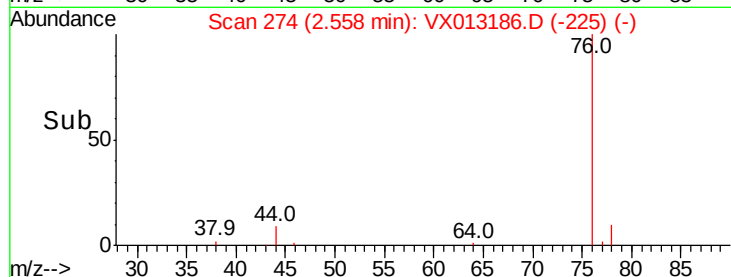
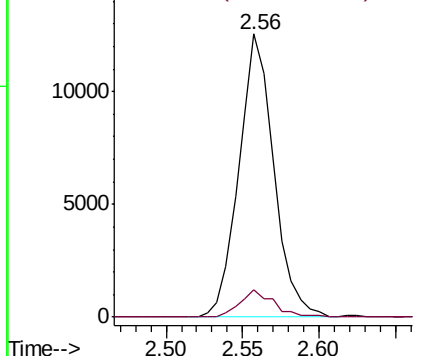
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 4.911 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX013186.D

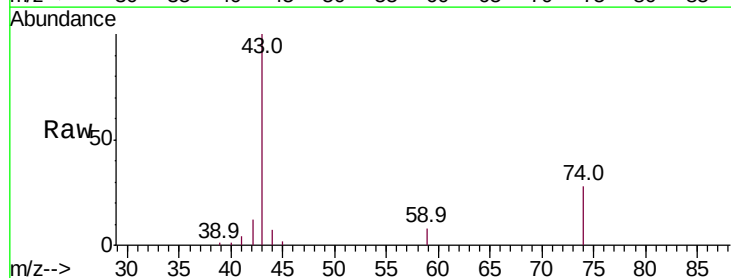
Acq: 23 Oct 2019 13:31

Tgt Ion: 43 Resp: 10122

Ion Ratio Lower Upper

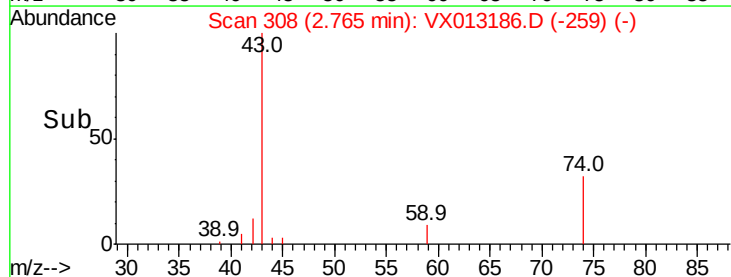
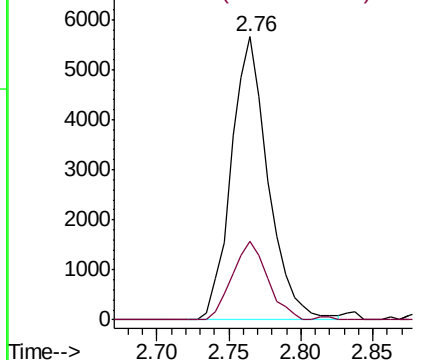
43 100

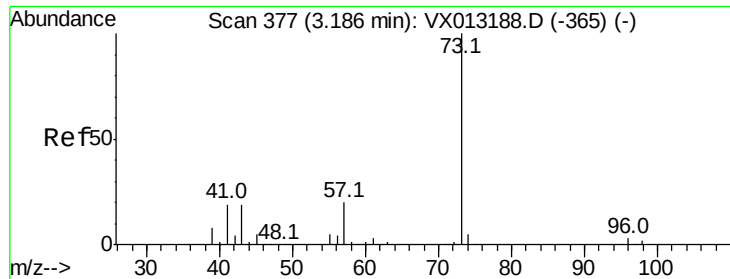
74 26.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





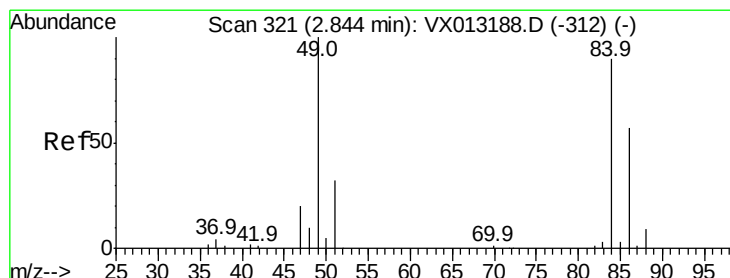
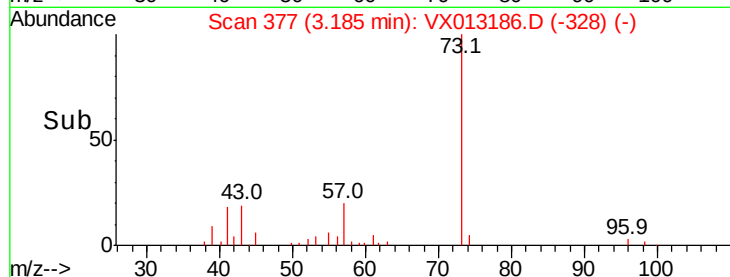
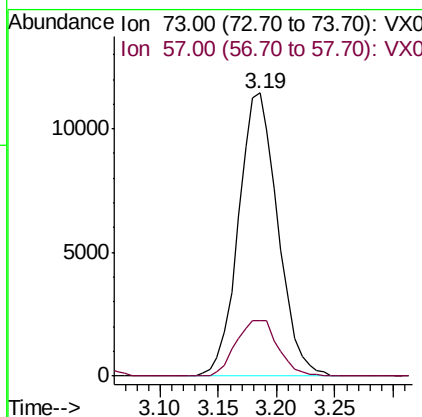
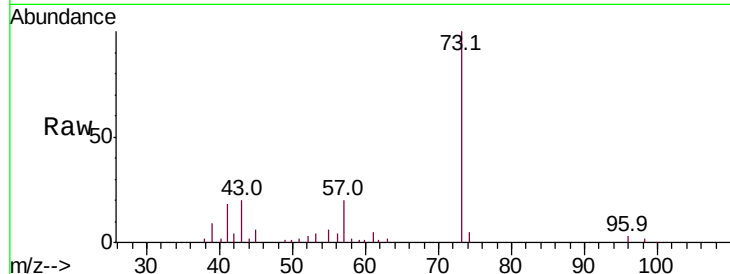
#19
Methyl tert-butyl Ether
Concen: 4.978 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 26892
Ion Ratio Lower Upper
73 100
57 19.8 17.1 25.7

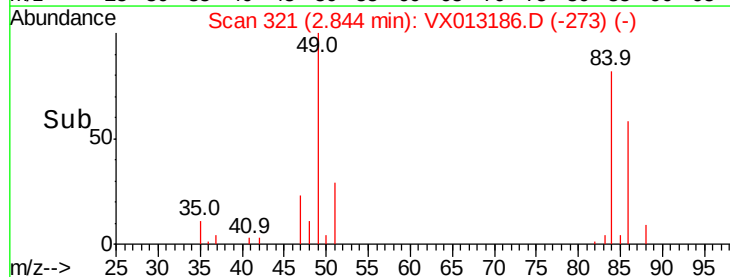
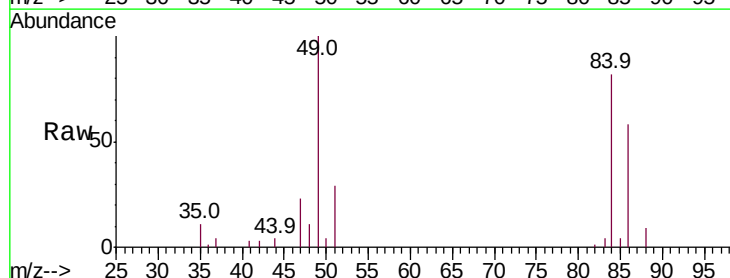
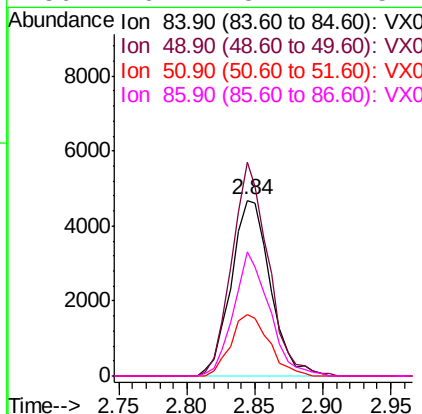
Manual Integrations
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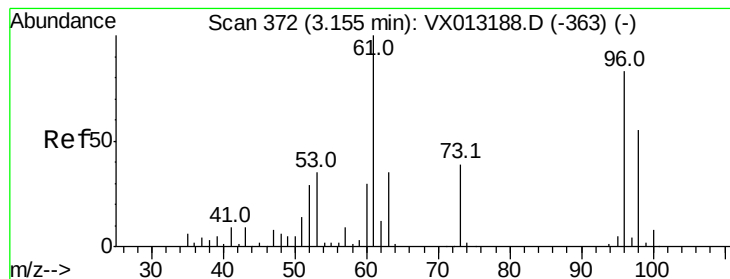
MMDadoda
10/25/2019 4:32:38 PM



#20
Methylene Chloride
Concen: 4.967 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion: 84 Resp: 9399
Ion Ratio Lower Upper
84 100
49 121.6 87.8 131.6
51 34.8 27.0 40.6
86 70.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 4.932 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 8449

Ion Ratio Lower Upper

96 100

61 109.1 108.1 162.1

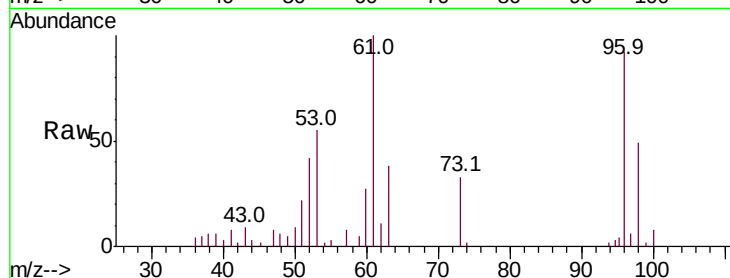
98 53.6 51.1 76.7

Manual Integrations

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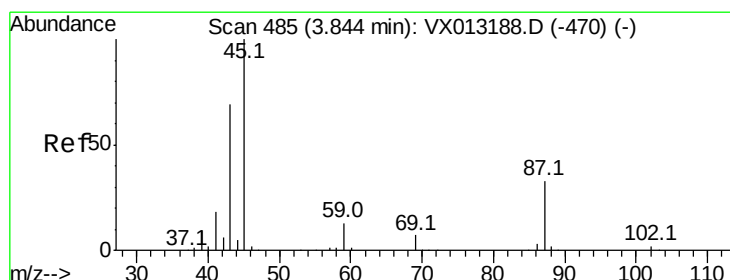
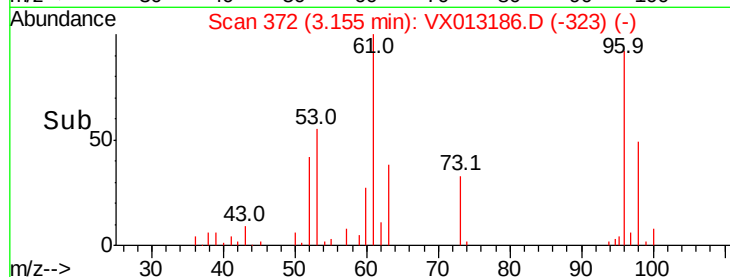
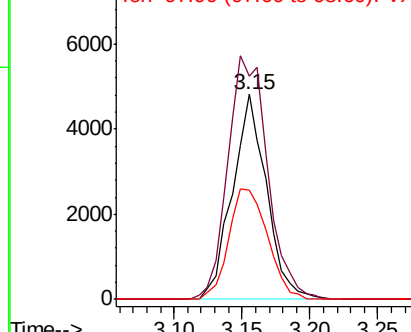


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 4.964 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Tgt Ion: 45 Resp: 23556

Ion Ratio Lower Upper

45 100

43 82.3 58.1 87.1

87 31.4 25.9 38.9

59 12.3 10.1 15.1

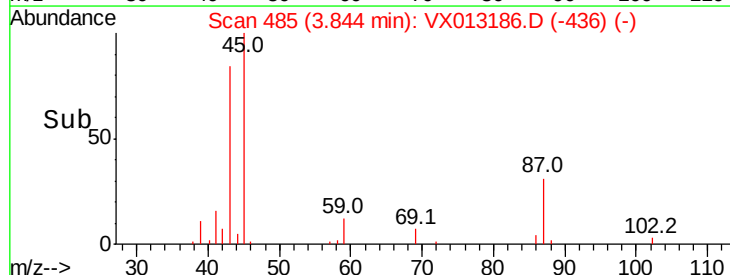
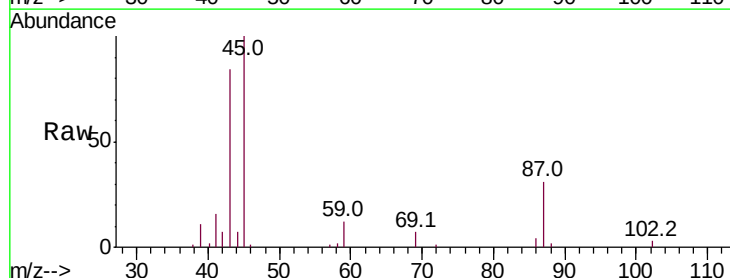
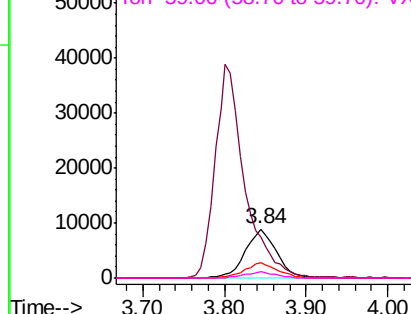
Abundance

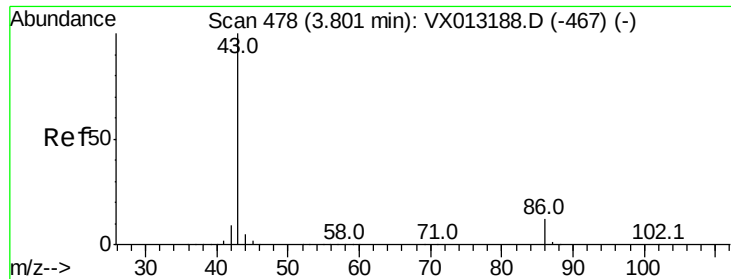
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 23.945 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 98889

Ion Ratio Lower Upper

43 100

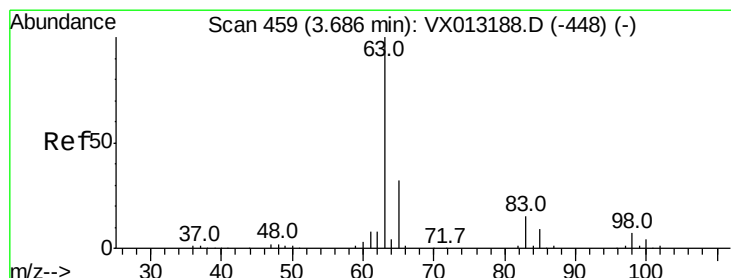
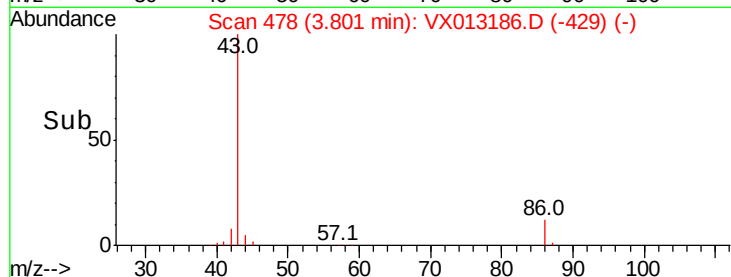
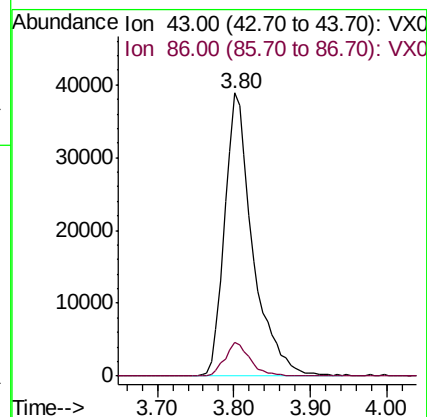
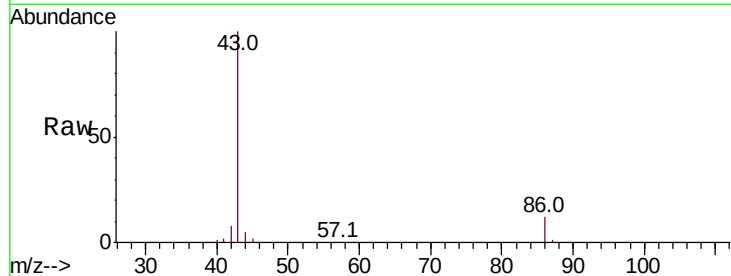
86 12.0 10.0 15.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.022 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

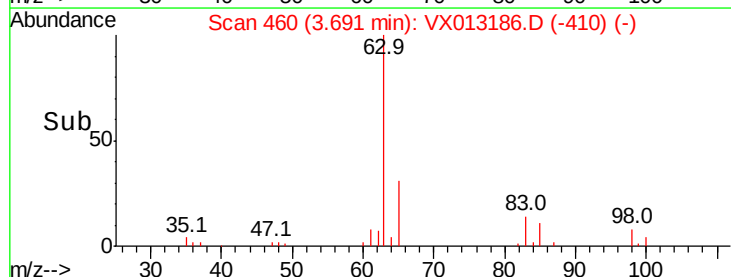
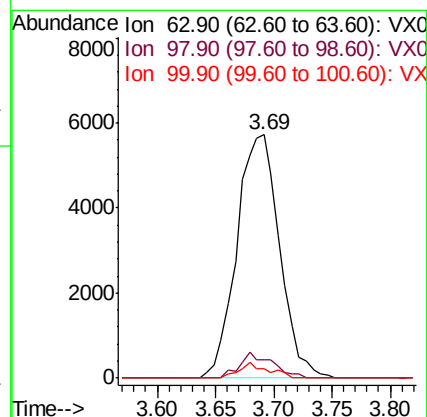
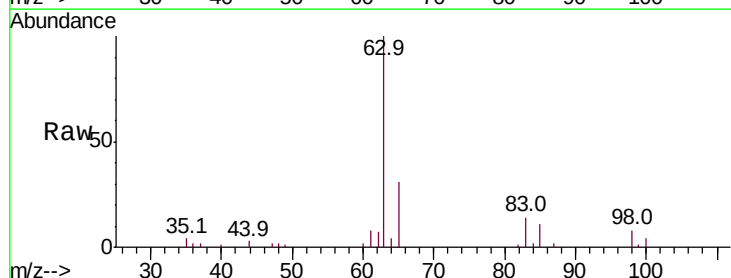
Tgt Ion: 63 Resp: 14602

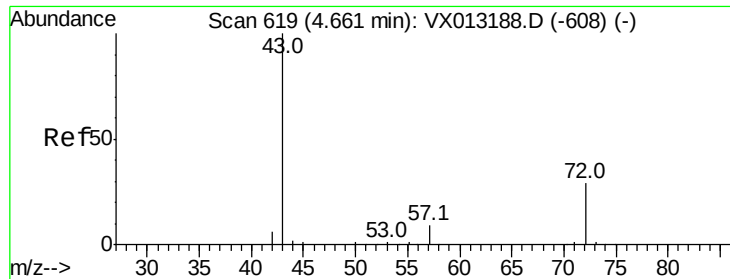
Ion Ratio Lower Upper

63 100

98 7.5 3.7 11.1

100 4.0 2.5 7.4





#25

2-Butanone

Concen: 24.552 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 30276

Ion Ratio Lower Upper

43 100

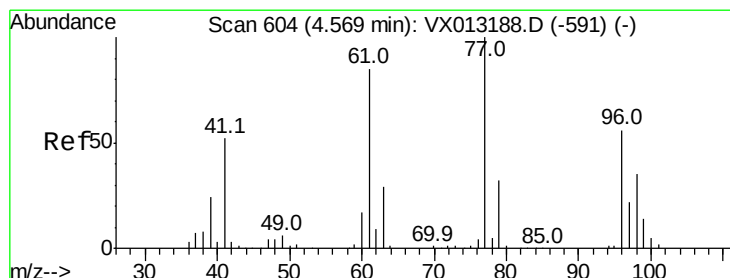
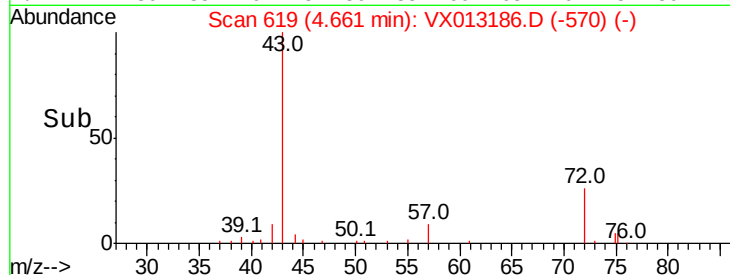
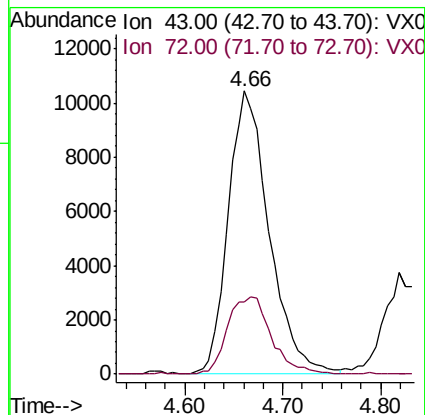
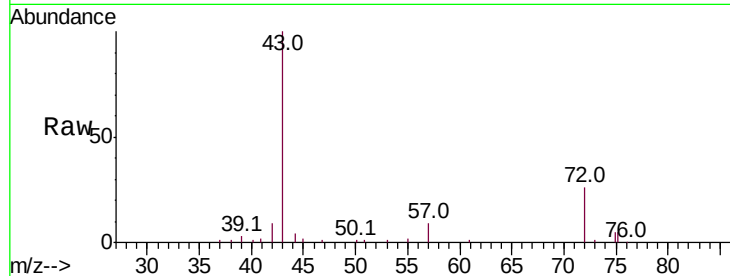
72 25.7 22.0 33.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 5.026 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013186.D

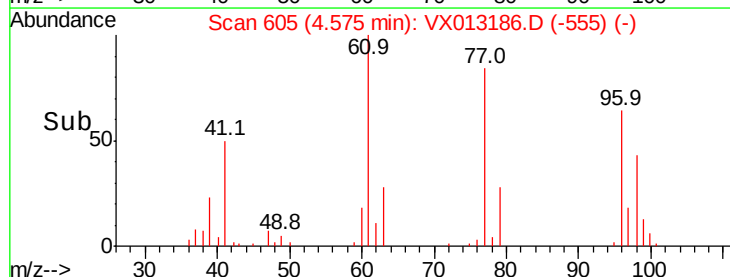
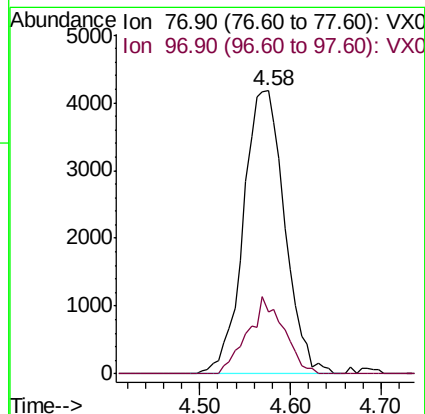
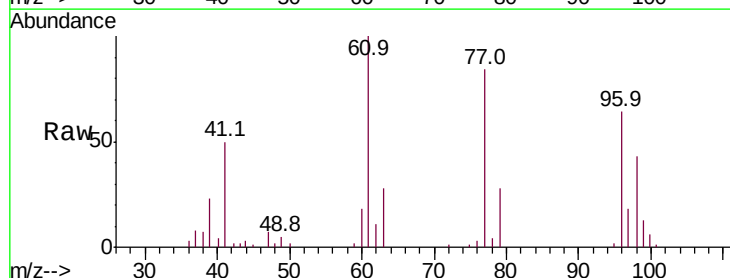
Acq: 23 Oct 2019 13:31

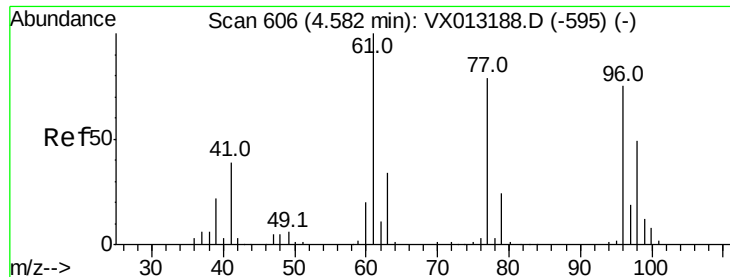
Tgt Ion: 77 Resp: 13167

Ion Ratio Lower Upper

77 100

97 23.8 11.1 33.3





#27

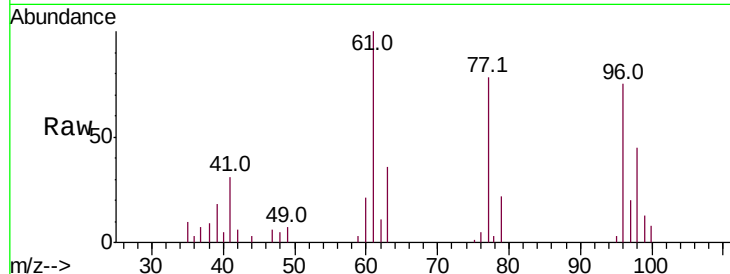
cis-1,2-Dichloroethene
Concen: 4.989 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

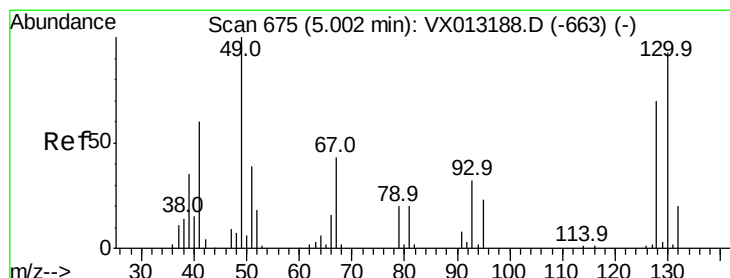
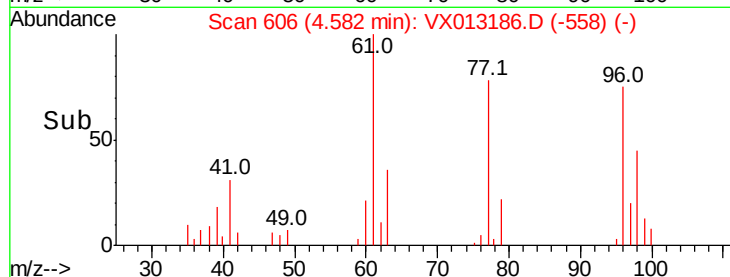
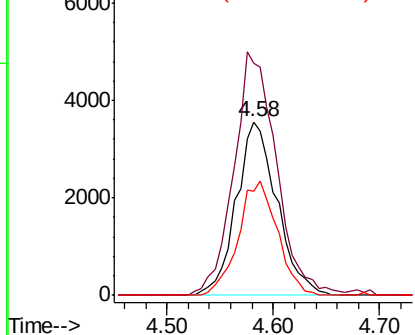
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	288.0
98	63.3	0.0	131.2

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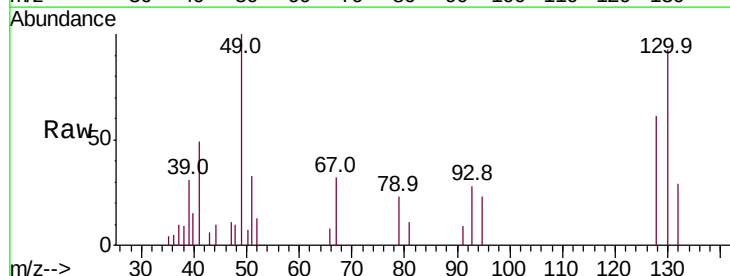
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



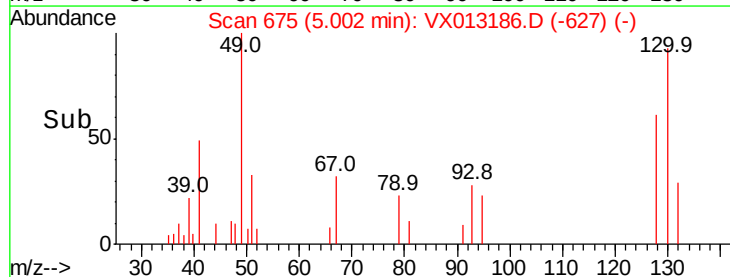
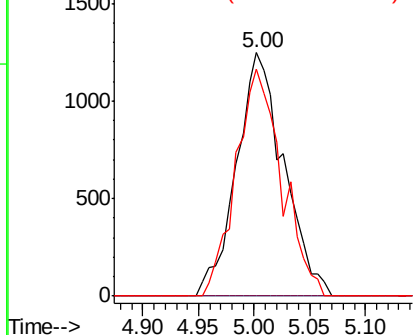
#28

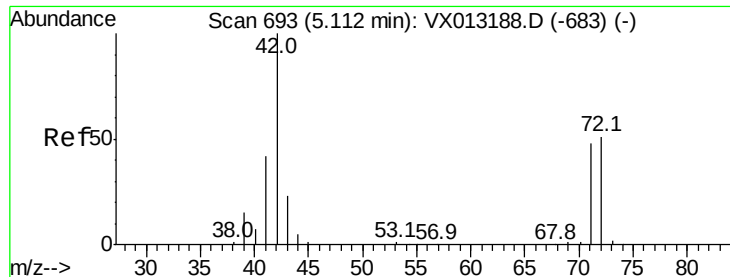
Bromochloromethane
Concen: 4.735 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	90.6	71.5	107.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





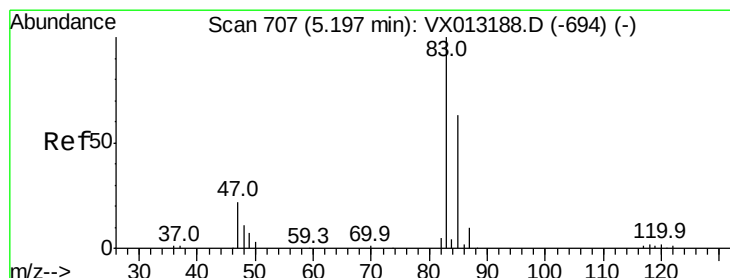
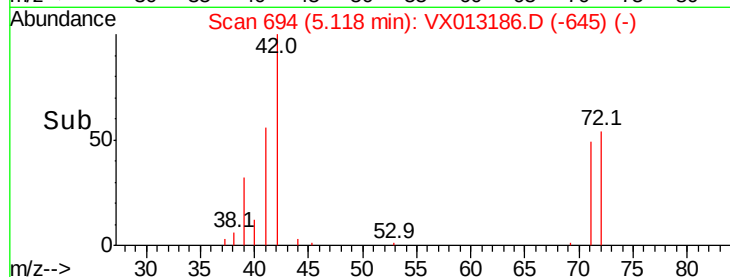
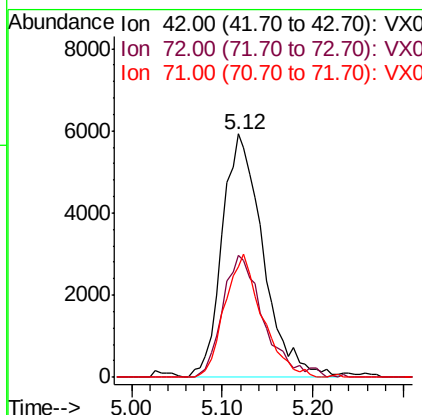
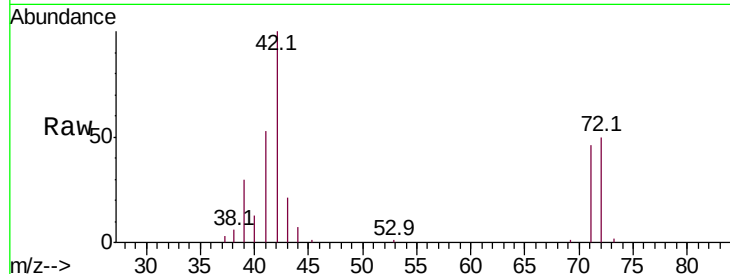
#29
Tetrahydrofuran
Concen: 25.093 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	40.2	60.2
71	46.4	37.0	55.6

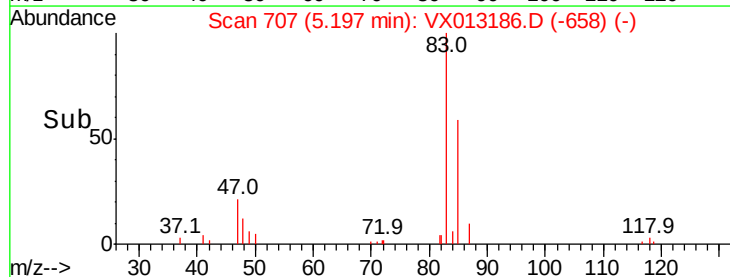
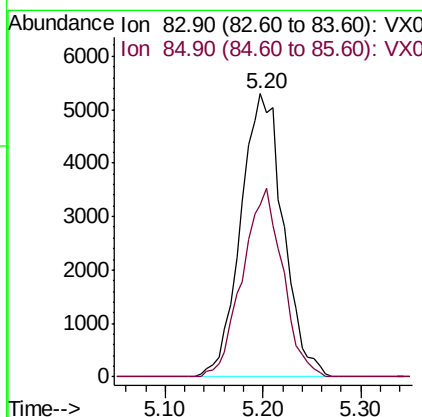
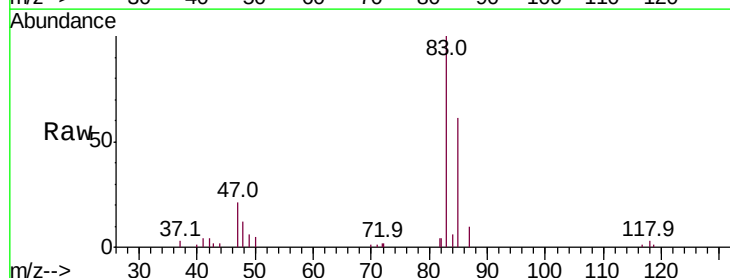
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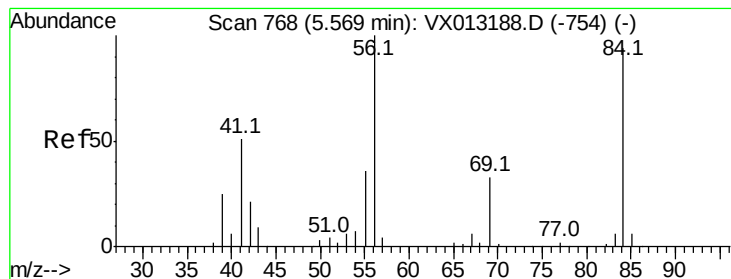
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#30
Chloroform
Concen: 5.085 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	50.7	76.1





#31

Cyclohexane

Concen: 5.143 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 12971

Ion Ratio Lower Upper

56 100

69 36.9 25.9 38.9

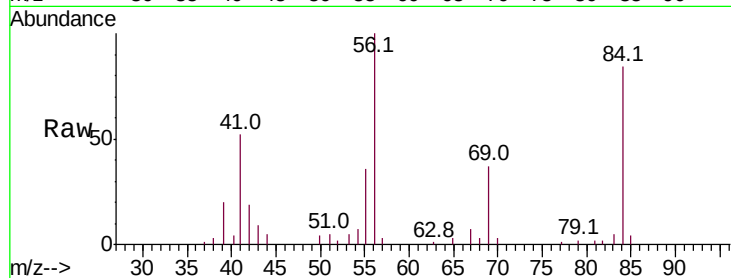
84 84.4 70.8 106.2

Manual Integrations

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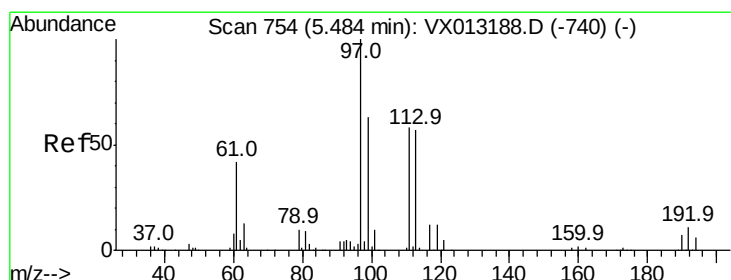
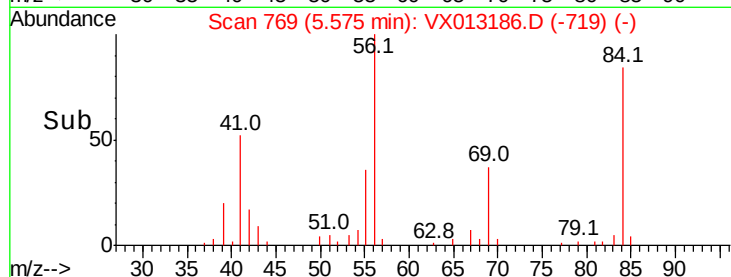
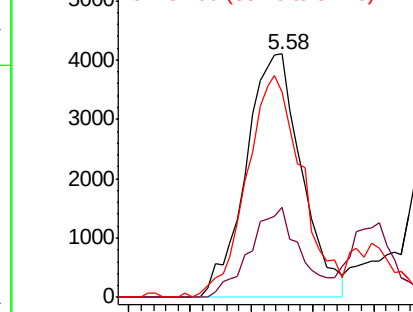


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 4.732 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

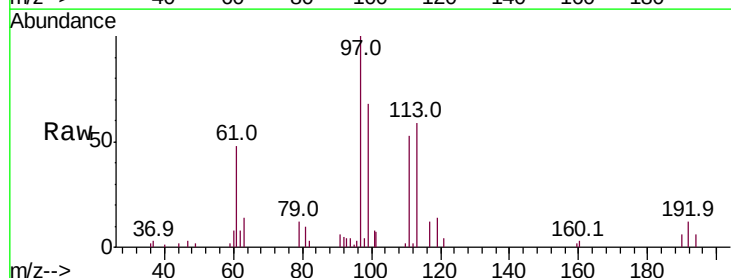
Tgt Ion: 97 Resp: 13340

Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 45.3 32.6 48.8

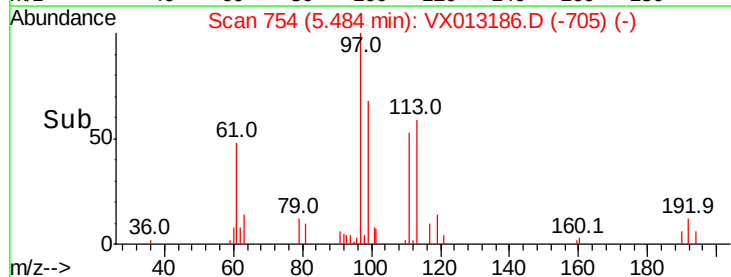
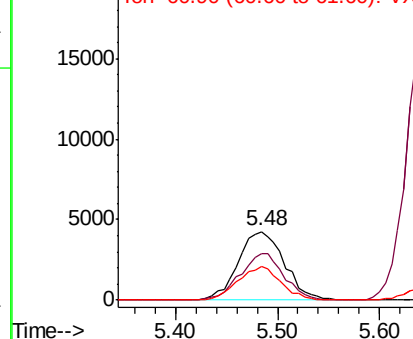


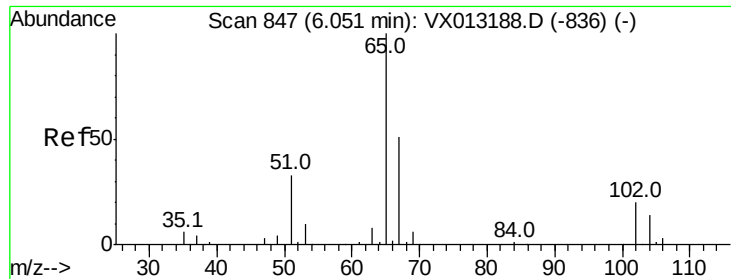
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





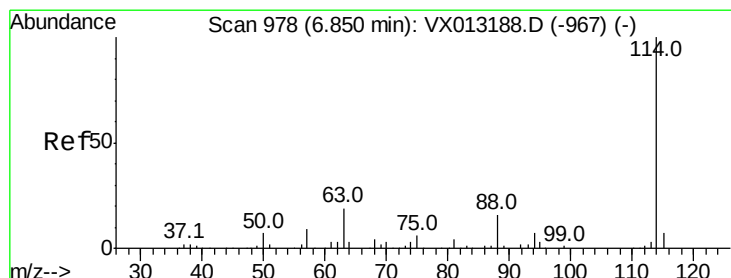
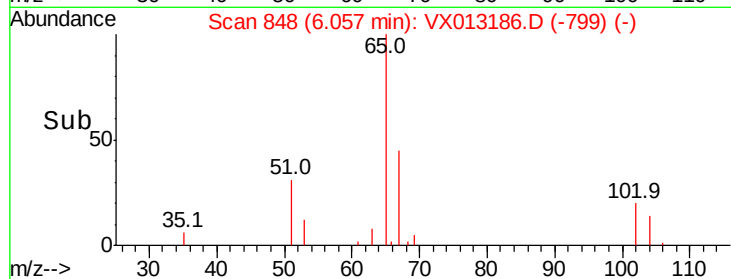
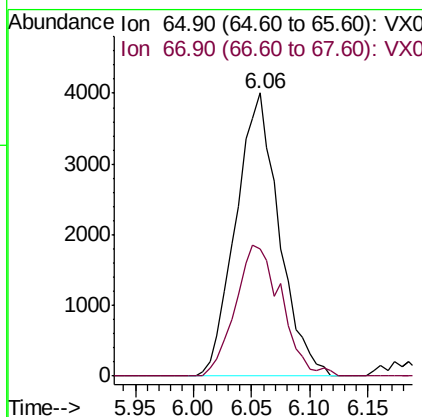
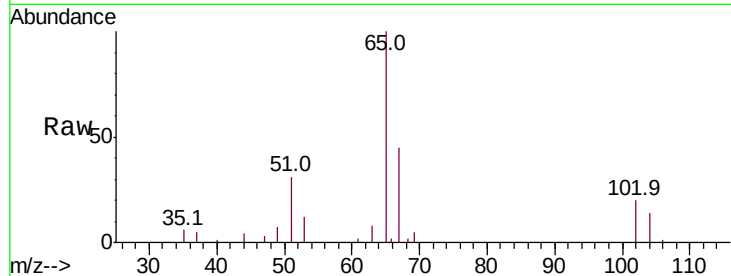
#33
 1,2-Dichloroethane-d4
 Concen: 5.313 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	101.6

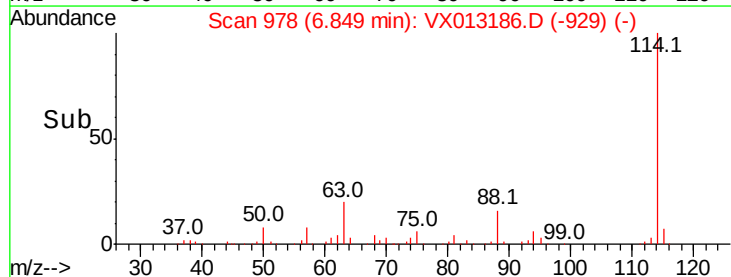
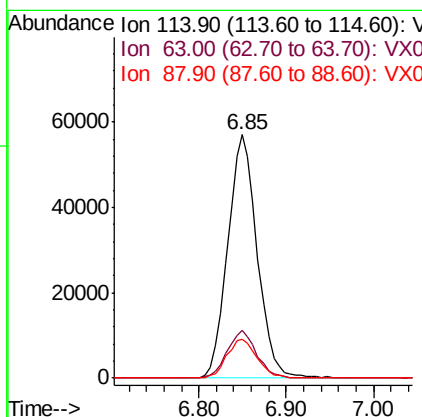
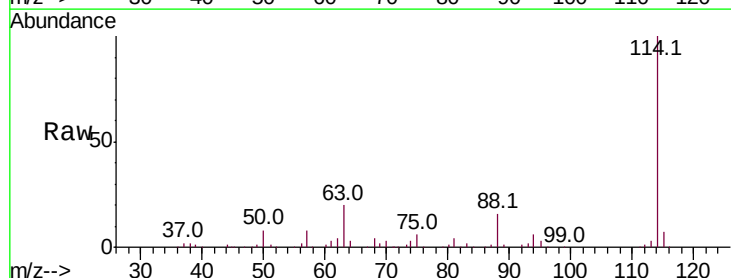
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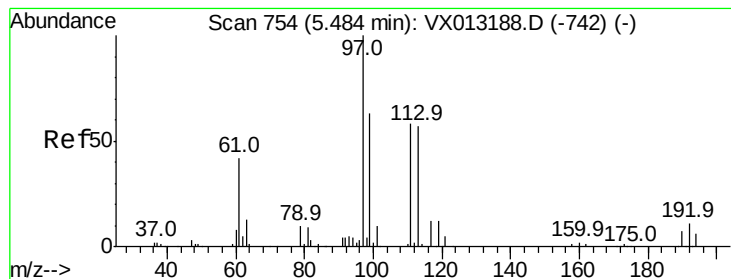
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	16.0	0.0	30.6





#35

Dibromofluoromethane

Concen: 4.678 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

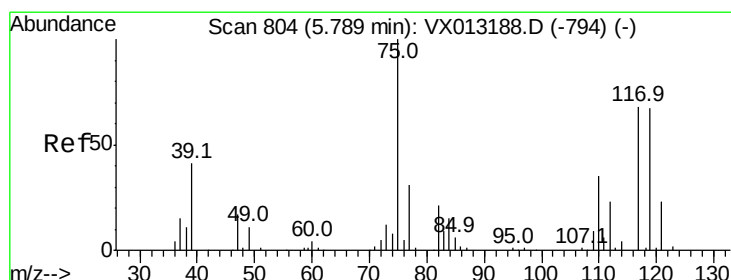
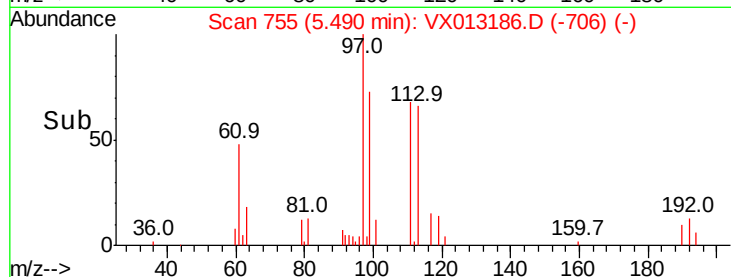
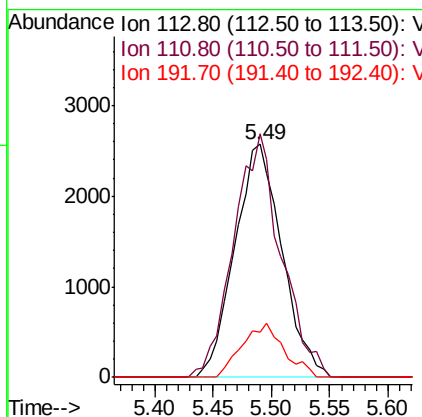
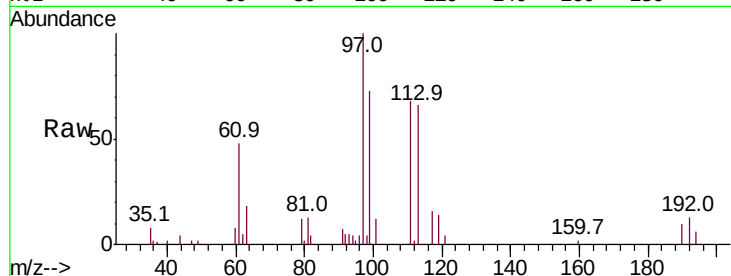
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	7240
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.0	123.0
192	20.7	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 4.780 ug/l

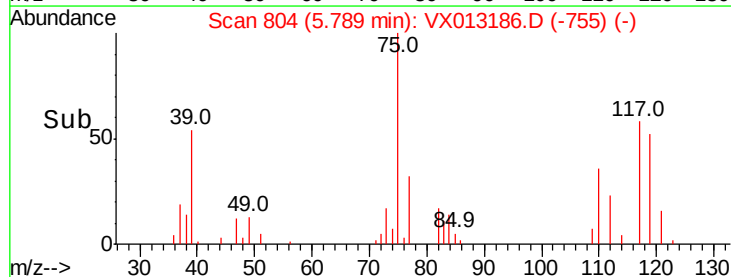
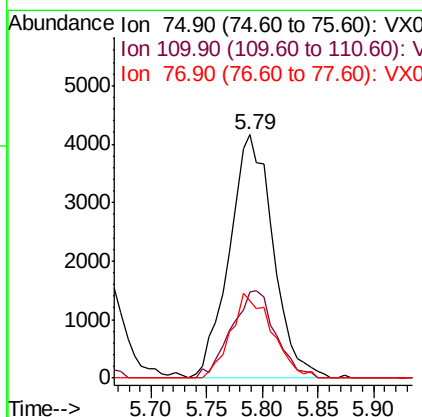
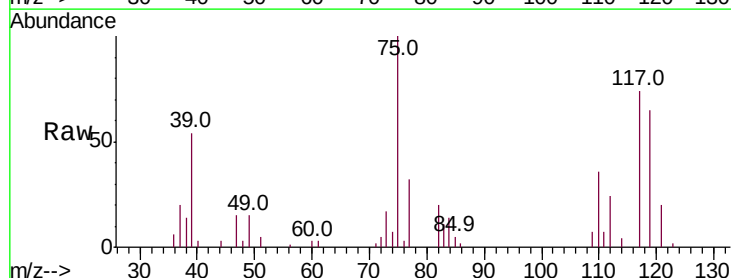
RT: 5.79 min Scan# 804

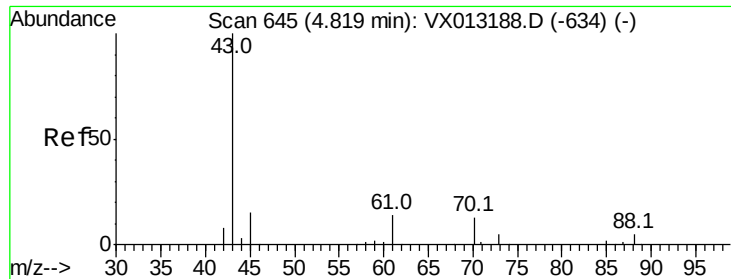
Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Tgt Ion:	75	Resp:	11365
Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	32.8	25.2	37.8





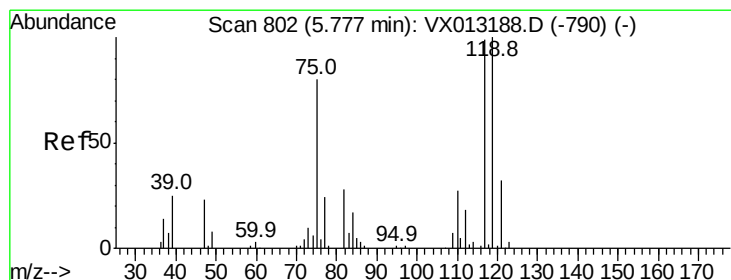
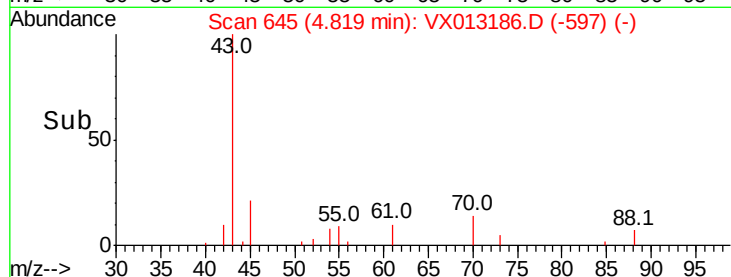
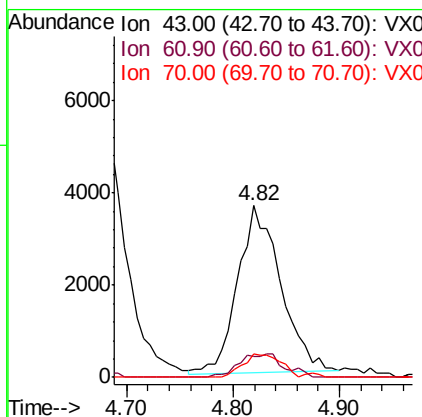
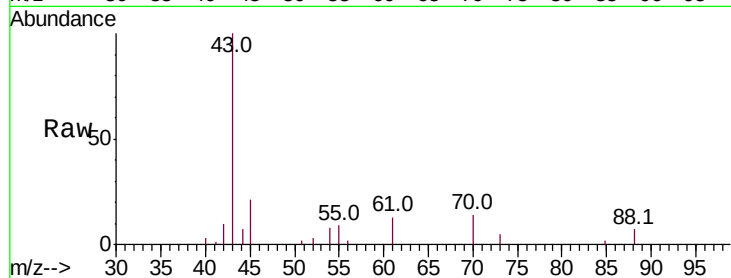
#37
Ethyl Acetate
Concen: 4.404 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	12.4	10.0	15.0

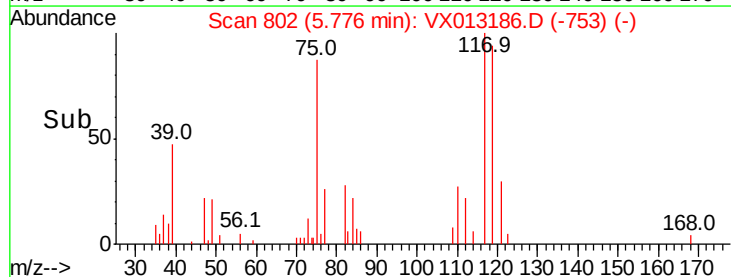
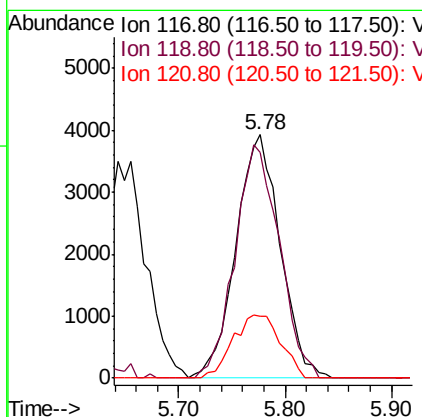
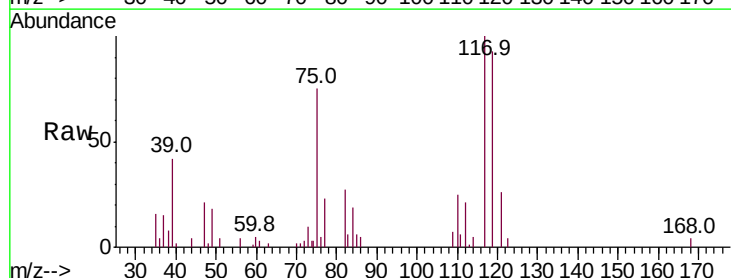
Manual Integrations
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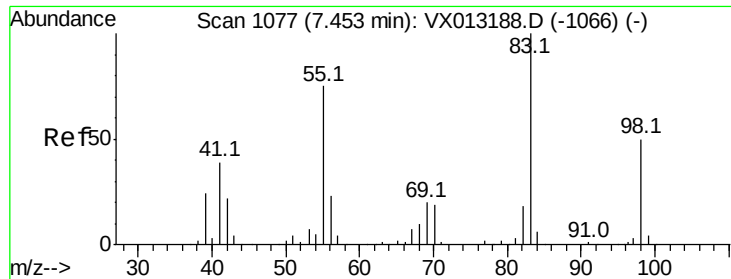
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#38
Carbon Tetrachloride
Concen: 4.718 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	73.8	110.6
121	25.7	24.3	36.5





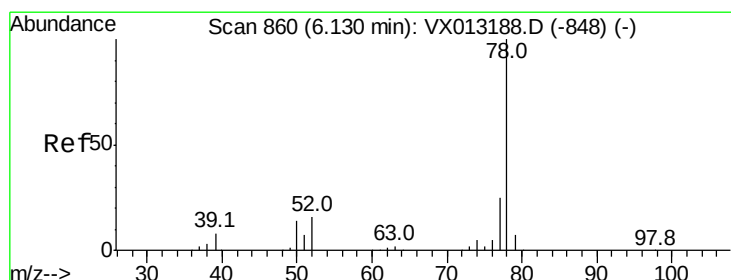
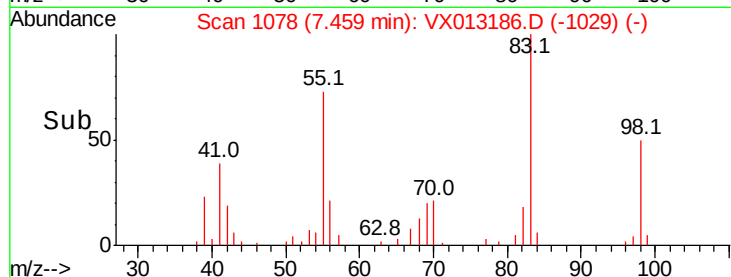
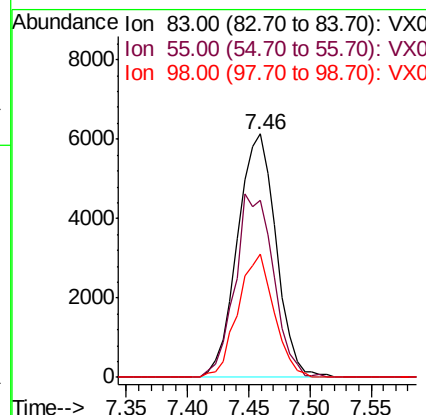
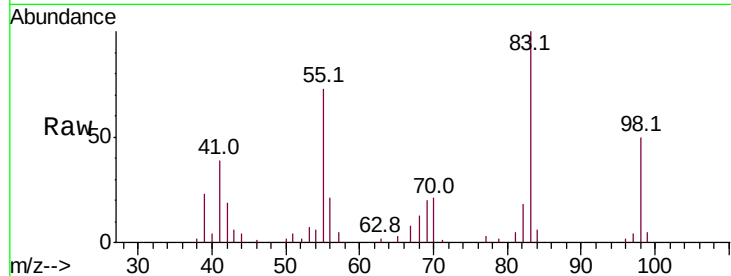
#39
Methylvlcyclohexane
Concen: 4.768 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	60.3	90.5
98	50.4	40.6	61.0

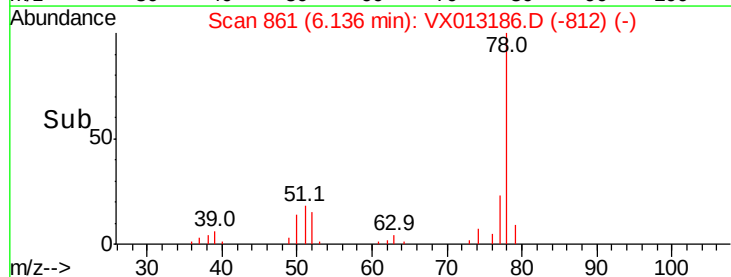
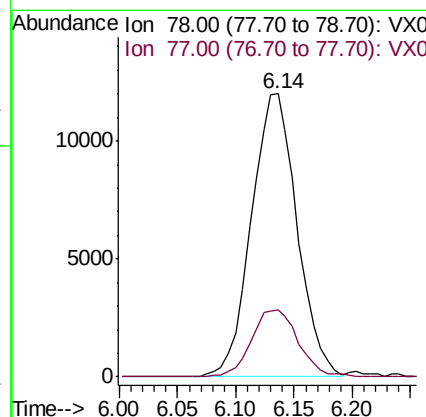
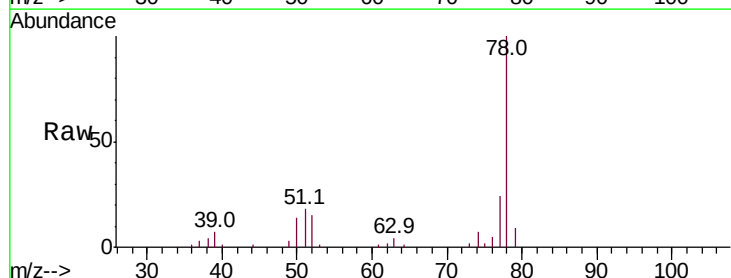
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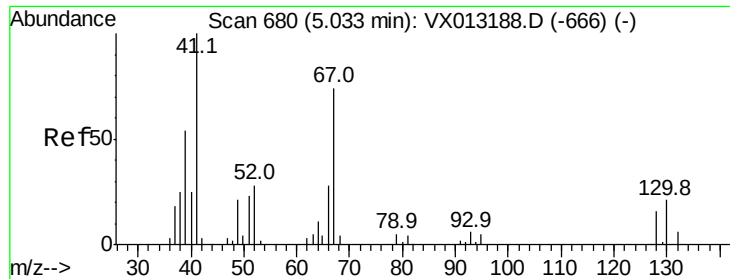
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#40
Benzene
Concen: 4.839 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.0	27.0





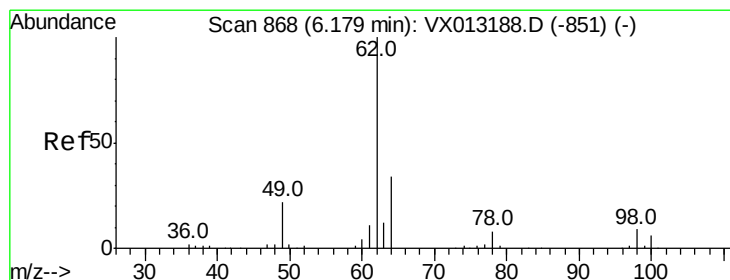
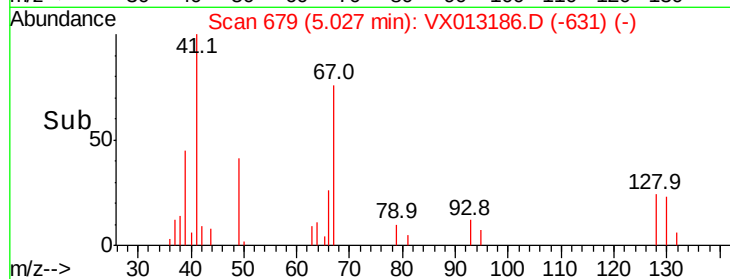
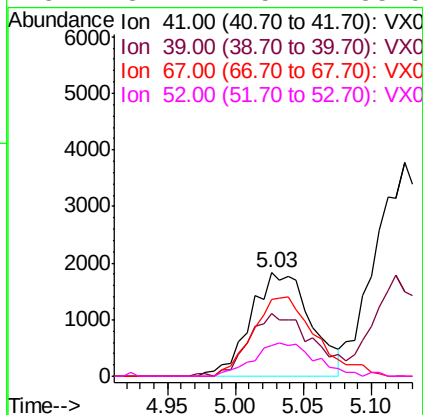
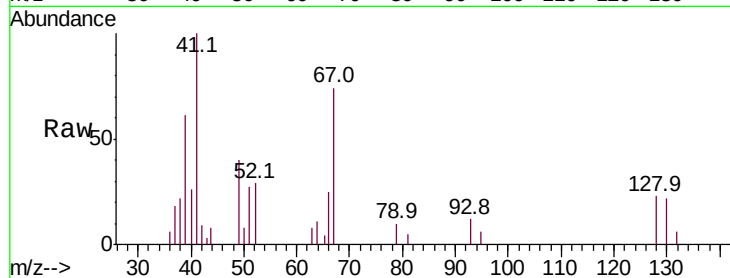
#41
Methacrylonitrile
Concen: 4.565 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.5	43.3	64.9
67	79.3	62.5	93.7
52	32.7	25.4	38.0

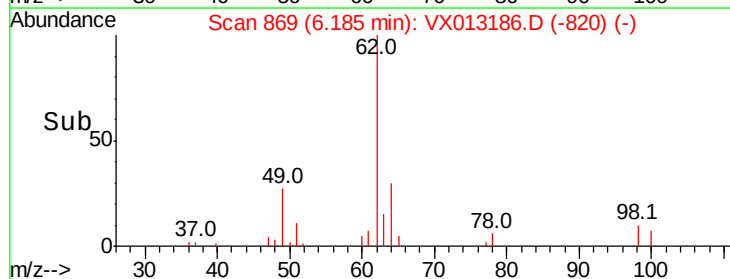
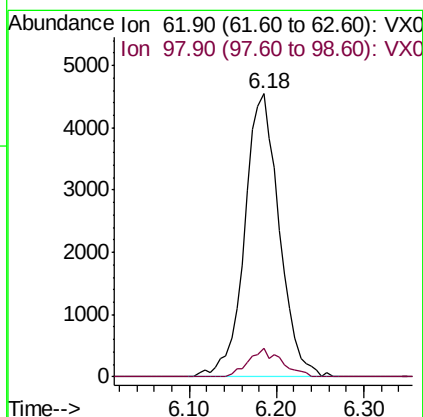
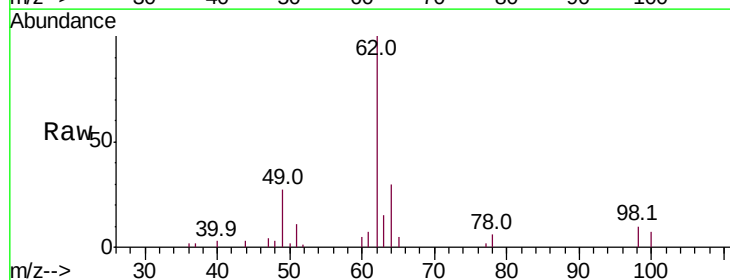
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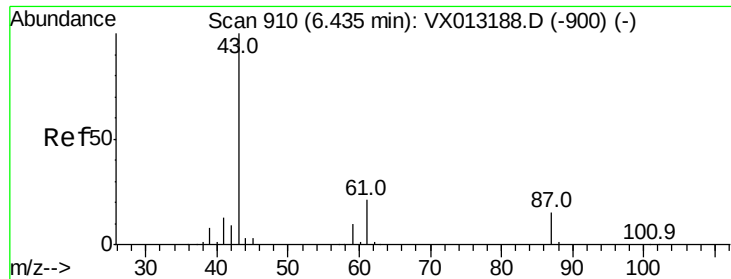
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#42
1,2-Dichloroethane
Concen: 4.927 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 4.763 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

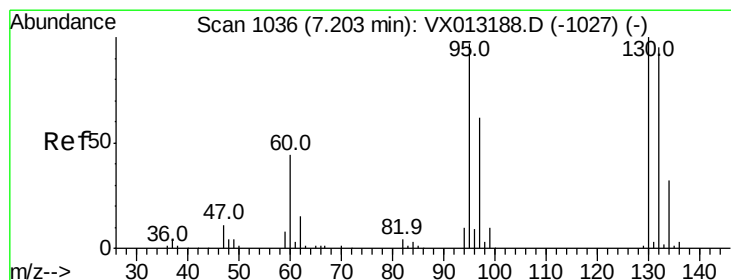
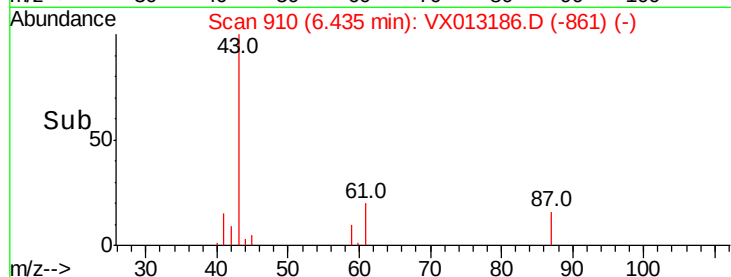
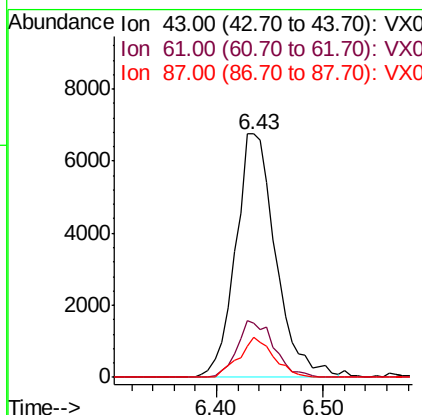
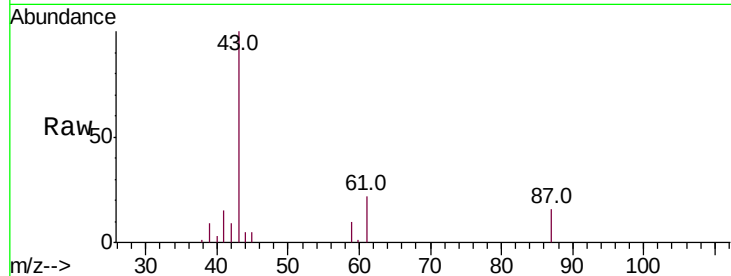
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	17850
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.8	25.2
87	14.1	12.2	18.2

Manual Integrations
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#44

Trichloroethene

Concen: 4.805 ug/l

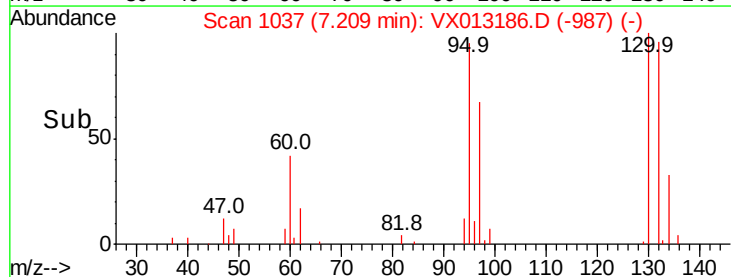
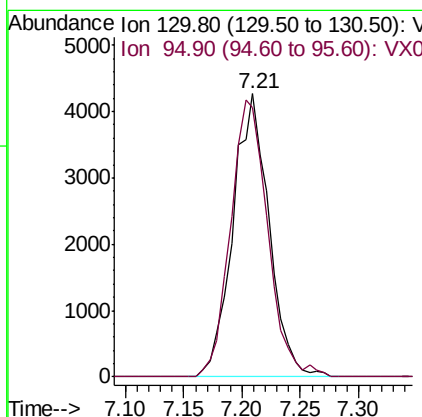
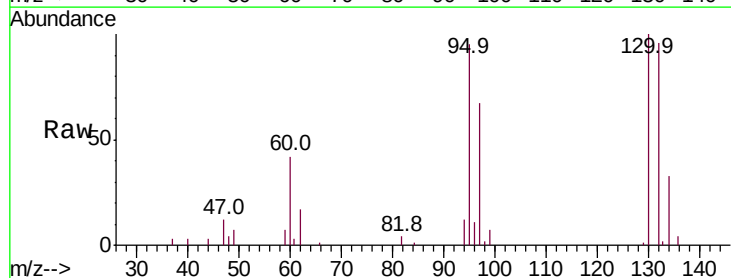
RT: 7.21 min Scan# 1037

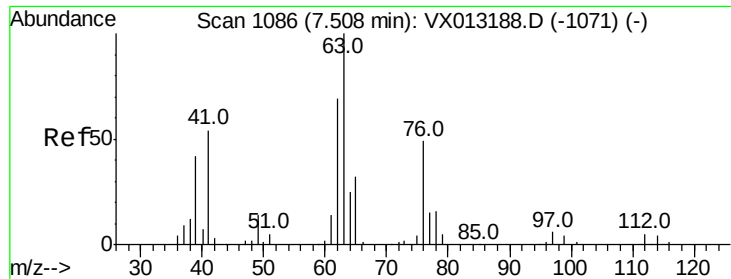
Delta R.T. 0.01 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Tgt Ion:	130	Resp:	9203
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	190.8





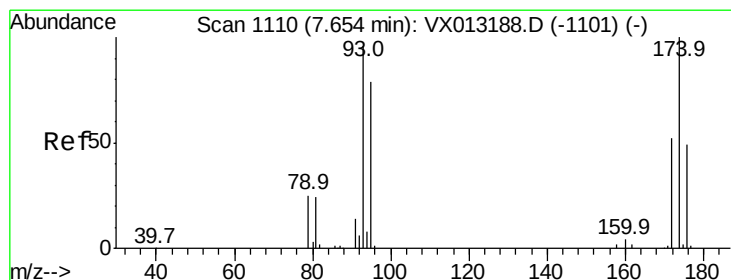
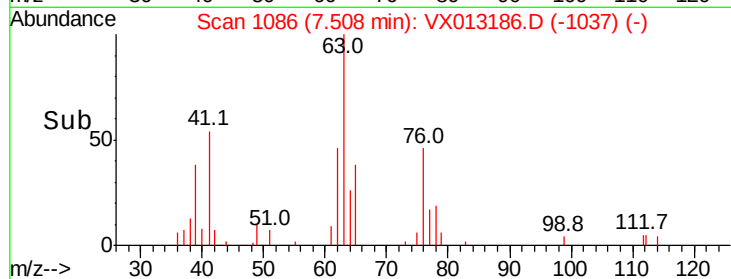
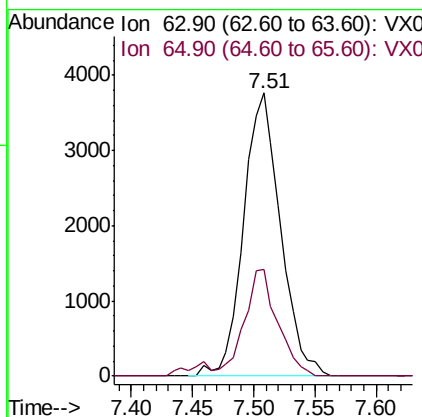
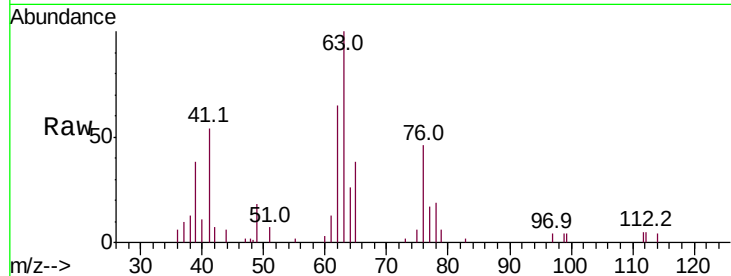
#45
 1,2-Dichloropropane
 Concen: 4.719 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	37.5	25.0	37.6

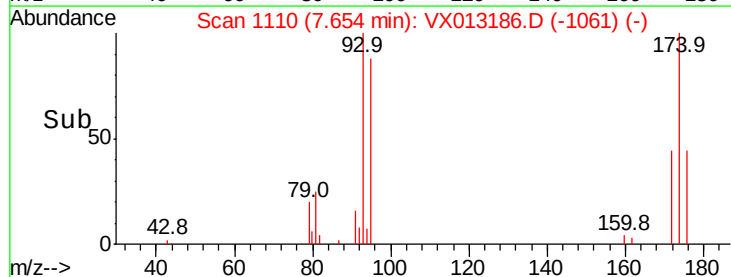
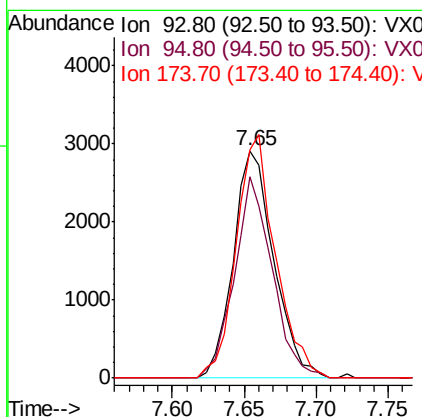
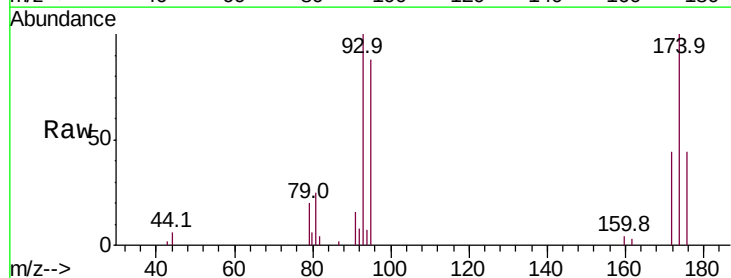
Manual Integrations
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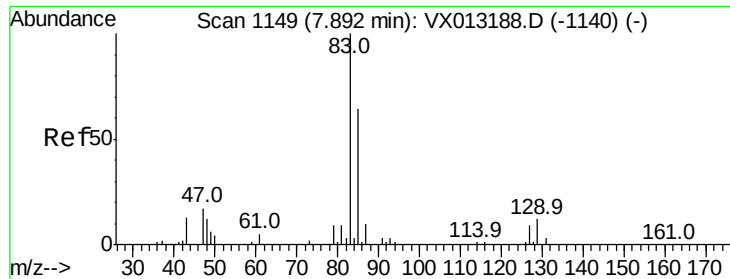
MMDadoda
 10/25/2019 4:32:38 PM



#46
 Dibromomethane
 Concen: 4.808 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.1	99.1
174	103.5	83.0	124.4





#47

Bromodichloromethane

Concen: 4.675 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

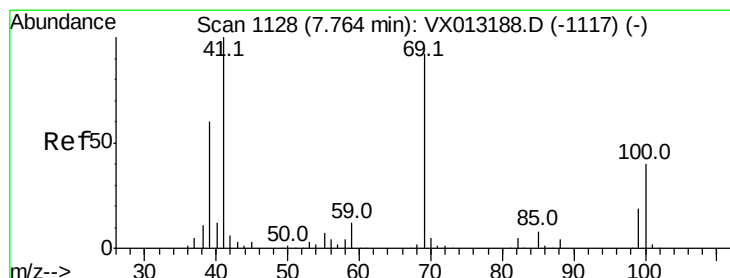
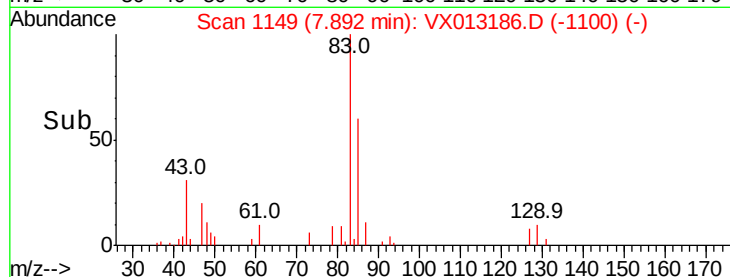
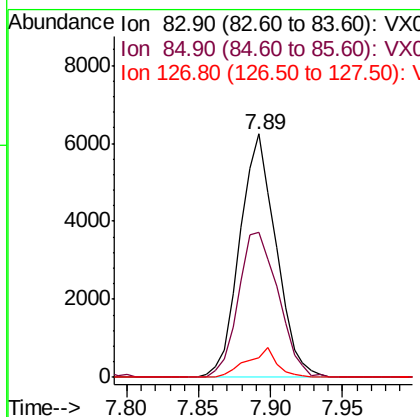
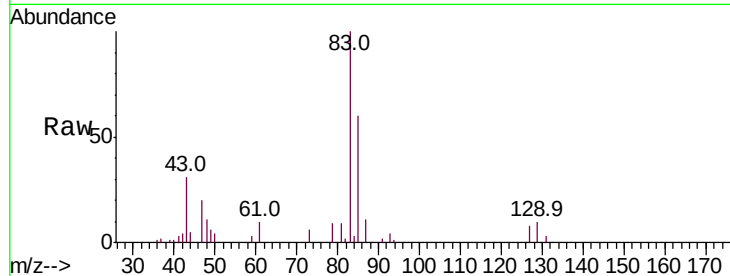
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	10910
Ion Ratio	Lower	Upper	
83	100		
85	59.5	50.9	76.3
127	8.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.927 ug/l

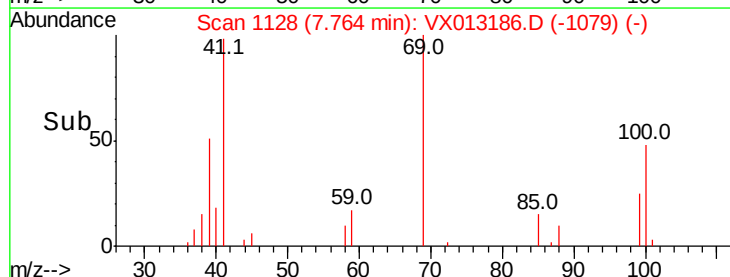
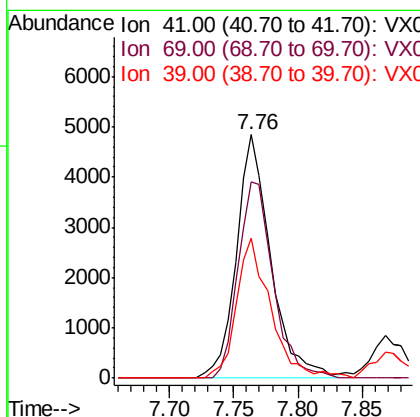
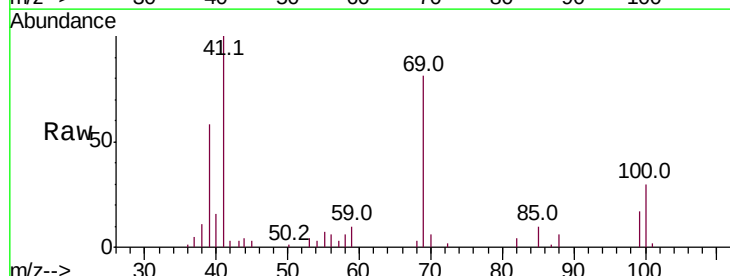
RT: 7.76 min Scan# 1128

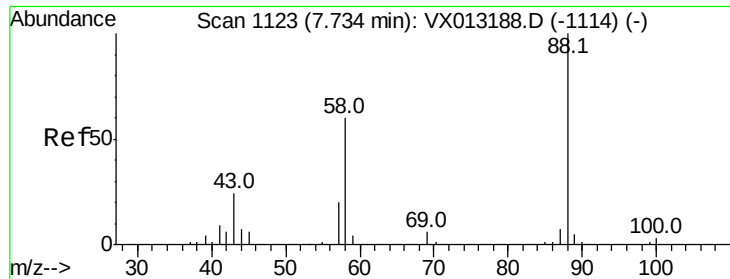
Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Tgt Ion:	41	Resp:	8954
Ion Ratio	Lower	Upper	
41	100		
69	82.2	72.2	108.4
39	57.1	45.6	68.4





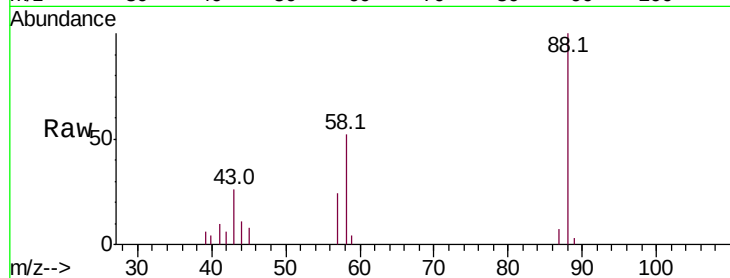
#49
1,4-Dioxane
Concen: 100.037 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	24.4	36.6
58	72.1	52.2	78.4

Manual Integrations
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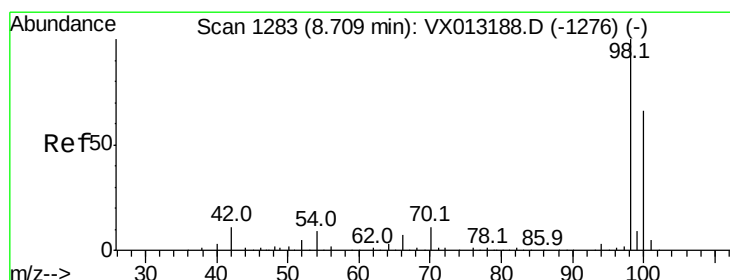
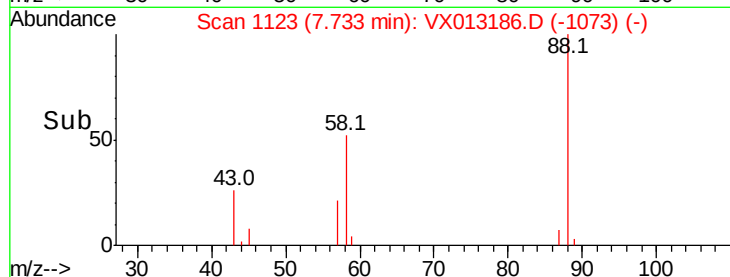
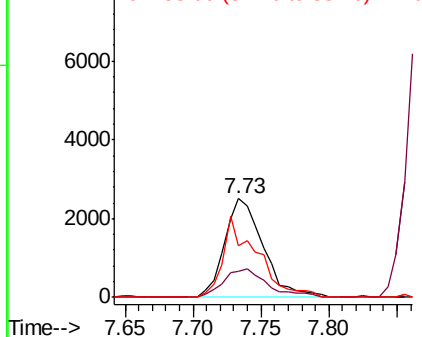


Abundance

Ion 88.00 (87.70 to 88.70): VX0

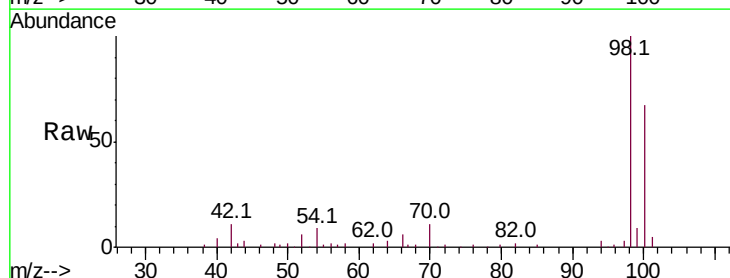
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 4.903 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

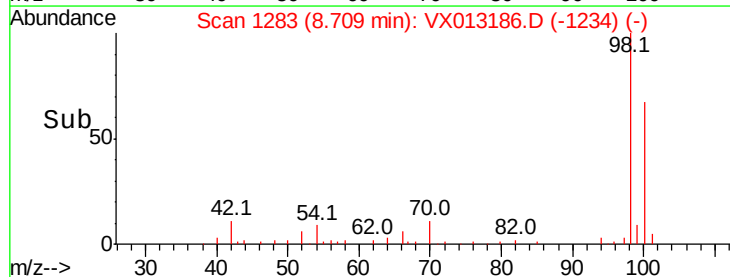
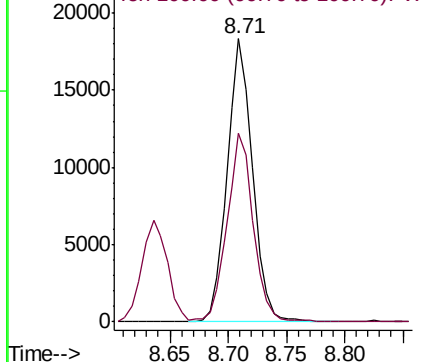
Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.6	53.1	79.7

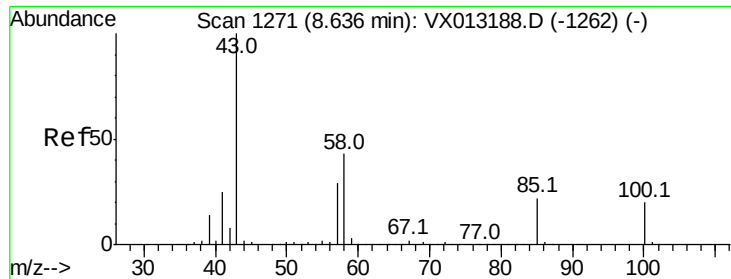


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





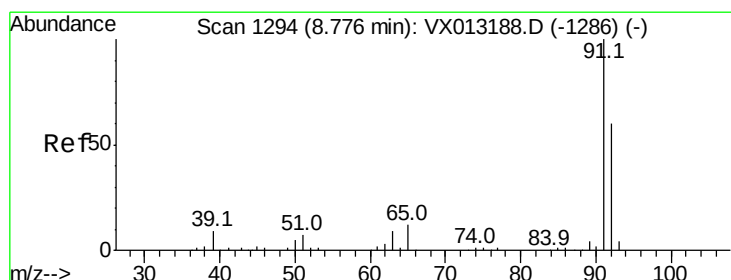
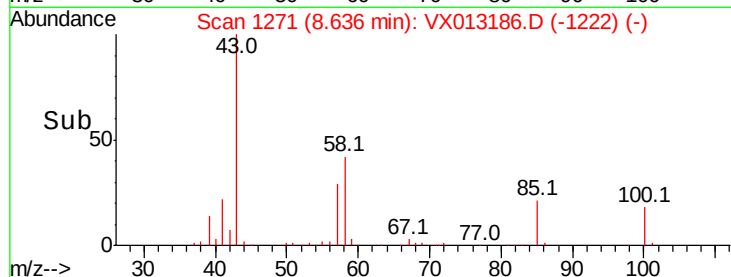
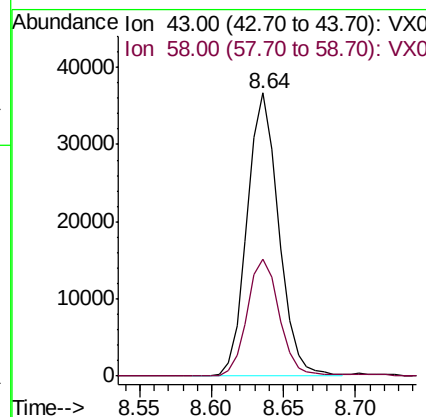
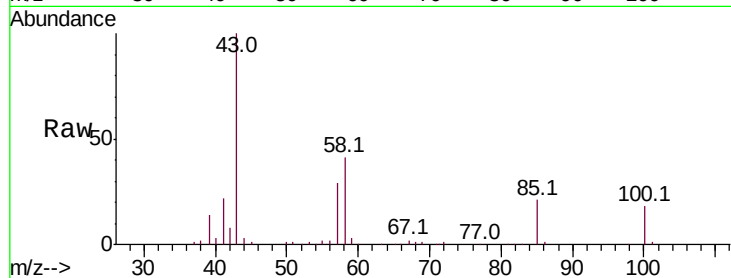
#51
4-Methyl-2-Pentanone
Concen: 24.281 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 55768
Ion Ratio Lower Upper
43 100
58 41.8 33.5 50.3

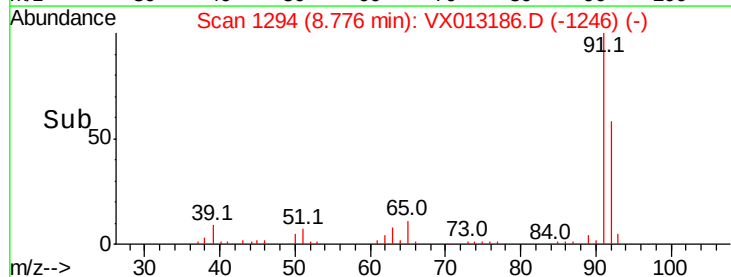
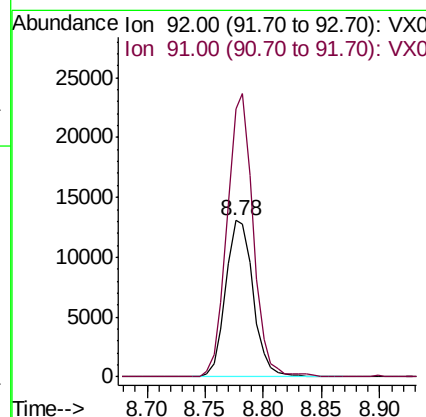
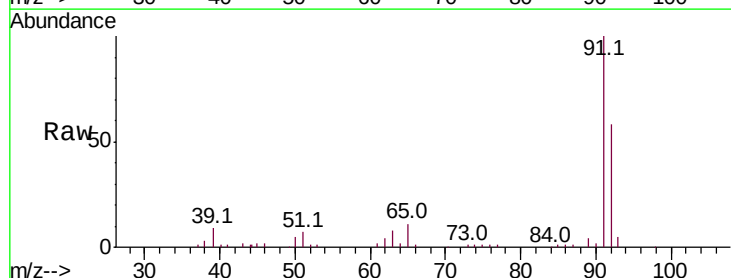
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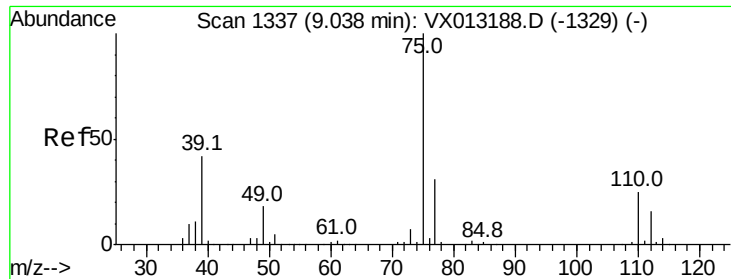
MMDadoda
10/25/2019 4:32:38 PM



#52
Toluene
Concen: 4.899 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion: 92 Resp: 21371
Ion Ratio Lower Upper
92 100
91 171.8 133.4 200.0





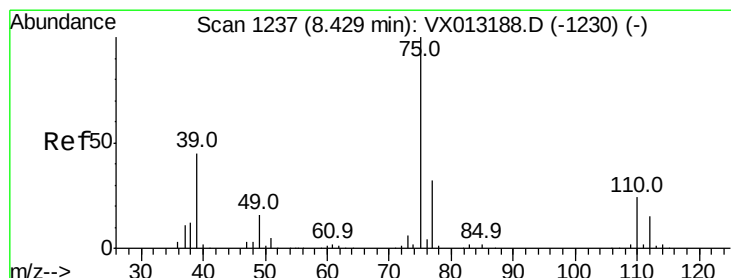
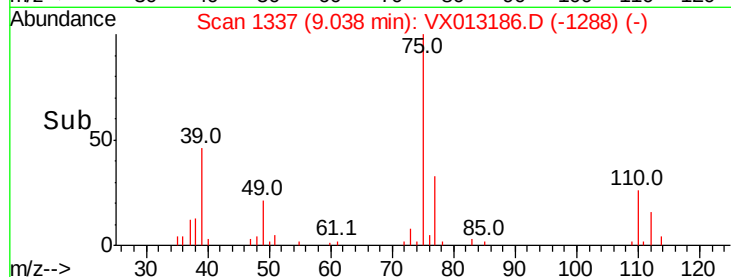
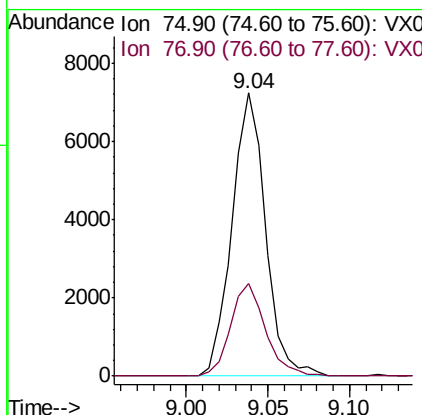
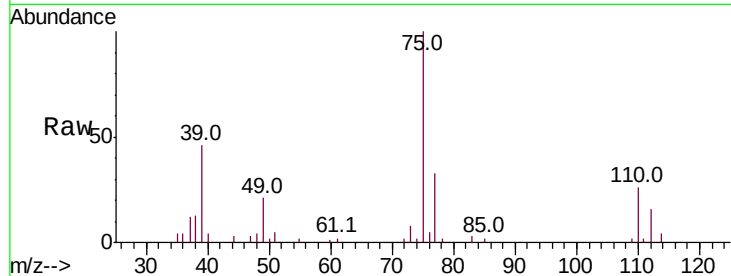
#53
t-1,3-Dichloropropene
Concen: 4.157 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 10388
Ion Ratio Lower Upper
75 100
77 32.7 24.7 37.1

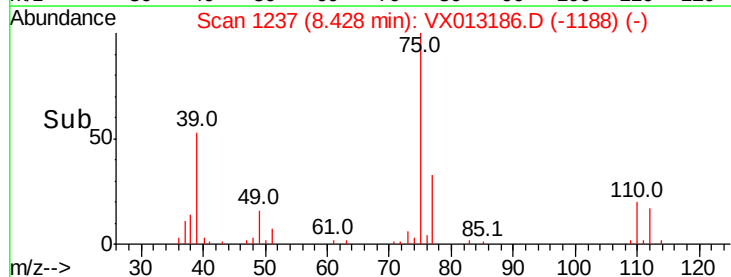
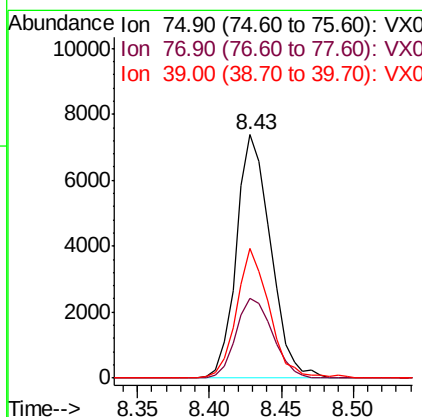
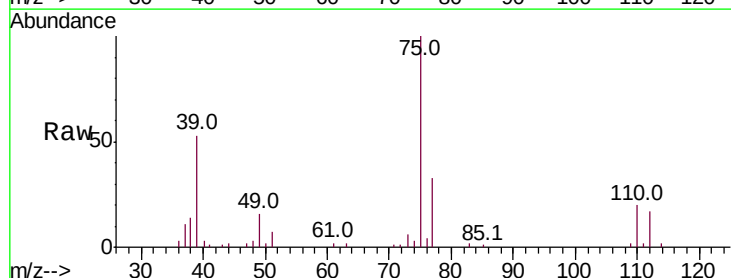
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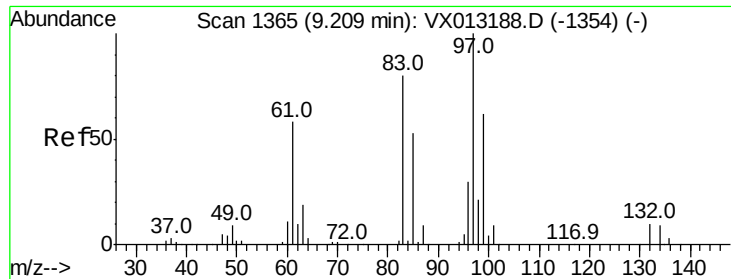
MMDadoda
10/25/2019 4:32:38 PM



#54
cis-1,3-Dichloropropene
Concen: 4.412 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion: 75 Resp: 12161
Ion Ratio Lower Upper
75 100
77 32.9 26.4 39.6
39 53.3 36.6 55.0





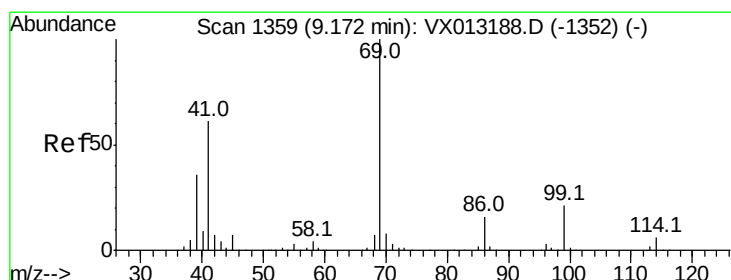
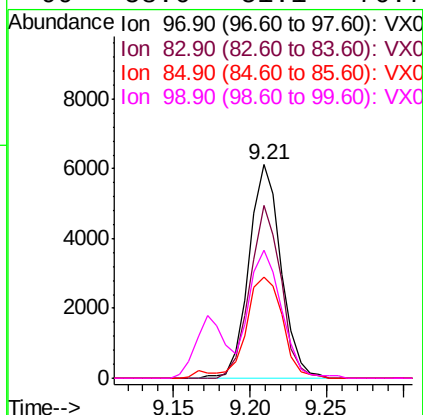
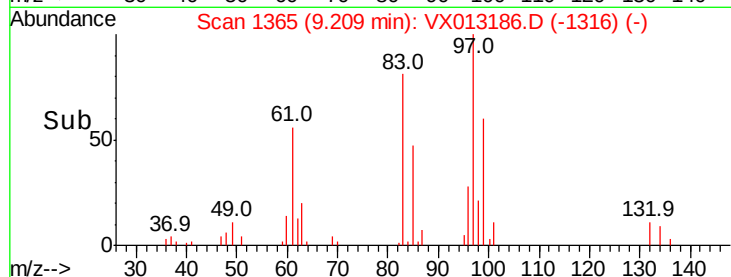
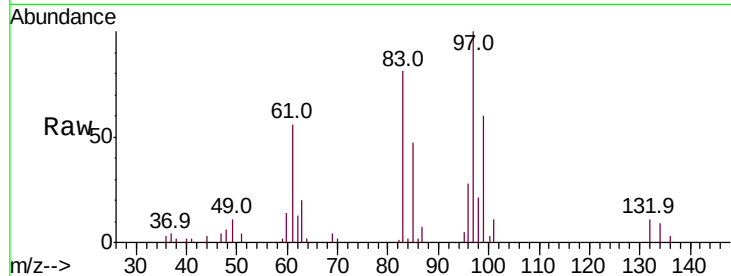
#55
1,1,2-Trichloroethane
Concen: 5.064 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.8	101.6
85	47.3	42.7	64.1
99	58.6	51.1	76.7

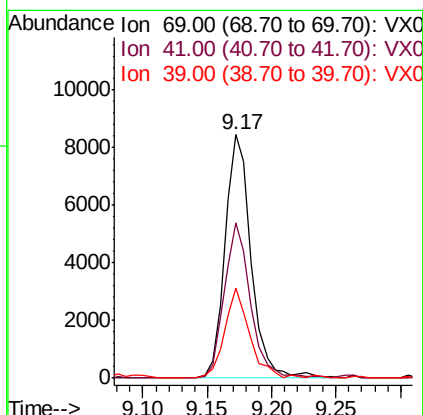
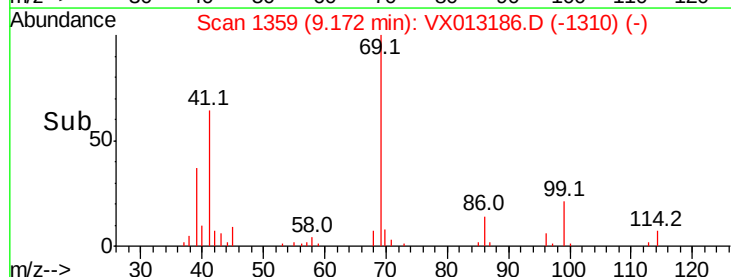
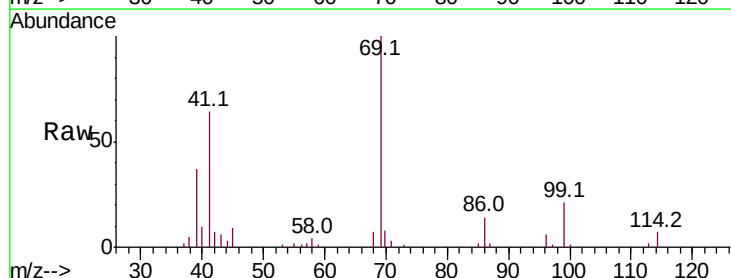
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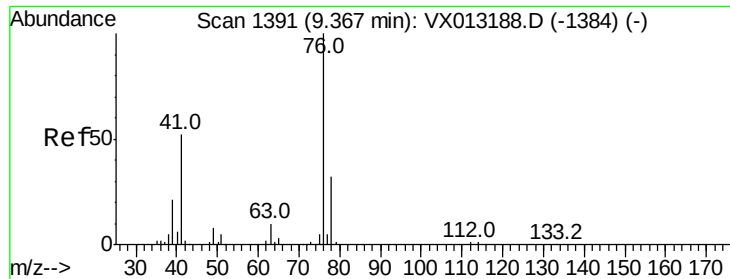
MMDadoda
10/25/2019 4:32:38 PM



#56
Ethyl methacrylate
Concen: 4.451 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.4	48.5	72.7
39	35.5	27.8	41.6





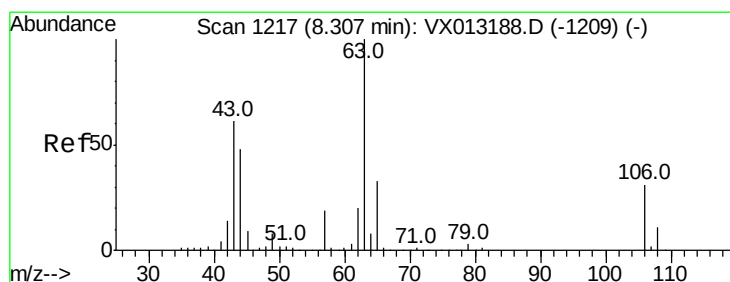
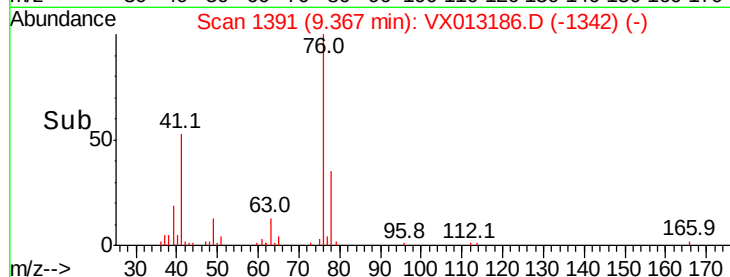
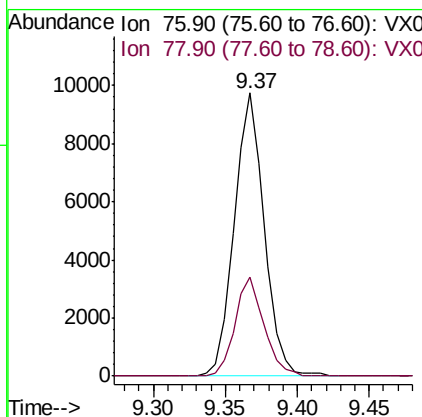
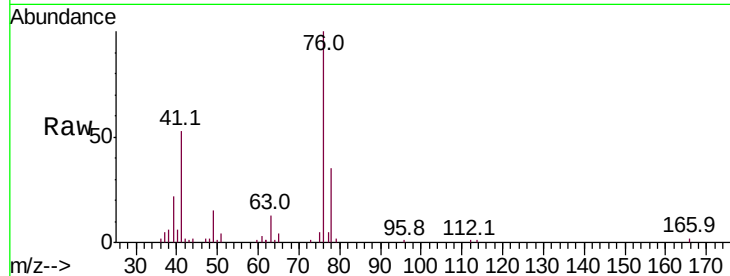
#57
 1,3-Dichloropropane
 Concen: 4.827 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 14083
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.3 39.5

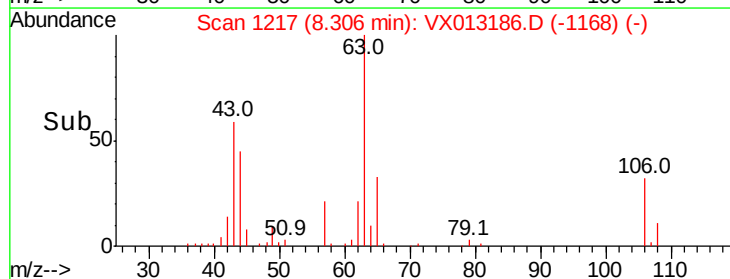
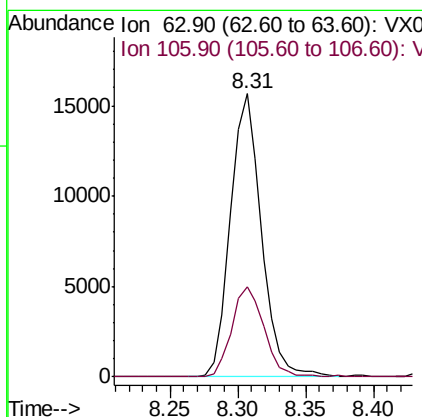
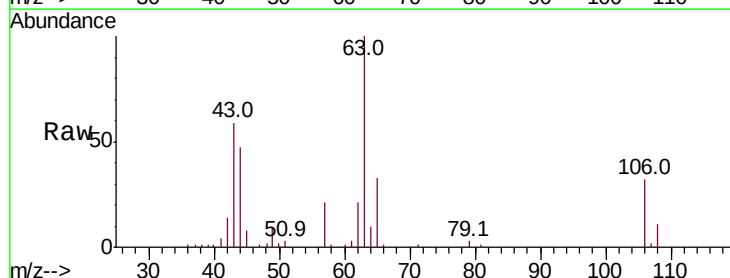
Manual Integrations
 APPROVED

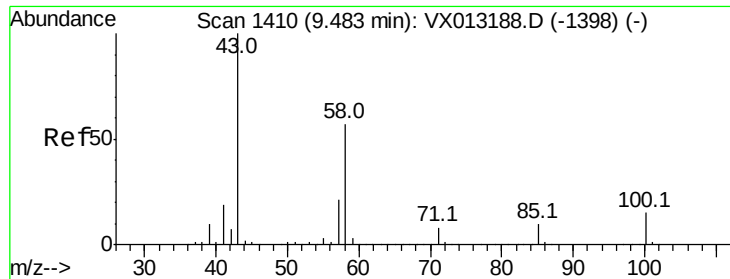
MMDadoda
 10/25/2019 4:32:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.466 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Tgt Ion: 63 Resp: 24862
 Ion Ratio Lower Upper
 63 100
 106 33.1 25.0 37.6





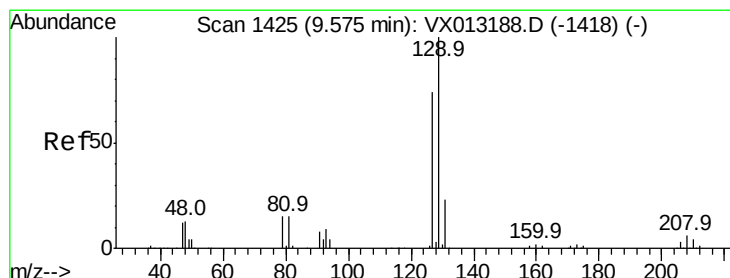
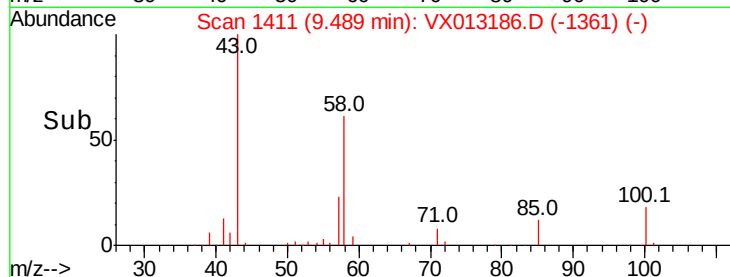
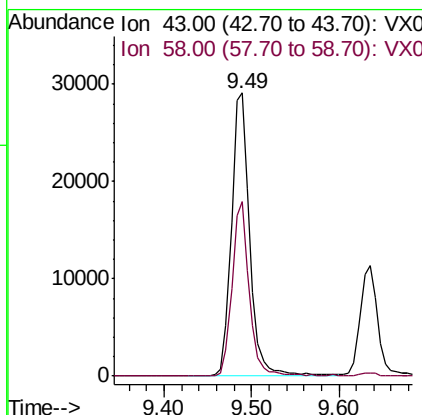
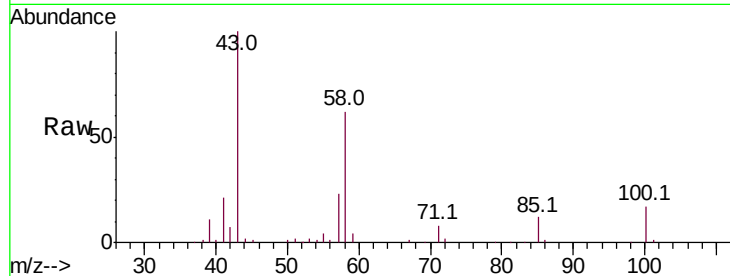
#59
2-Hexanone
Concen: 23.716 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 42726
Ion Ratio Lower Upper
43 100
58 57.9 28.4 85.3

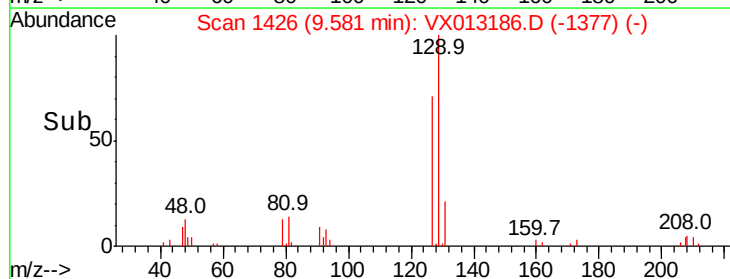
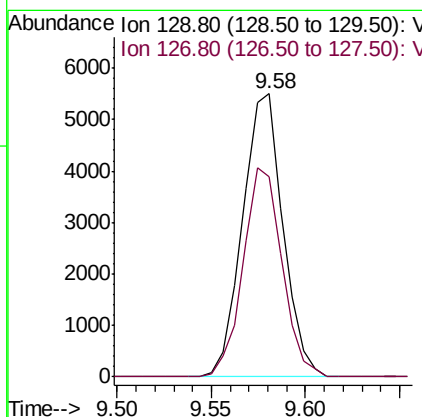
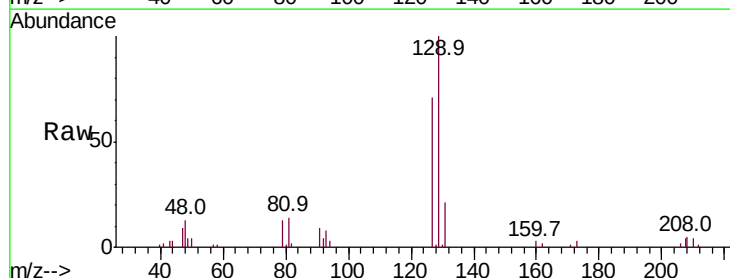
Manual Integrations
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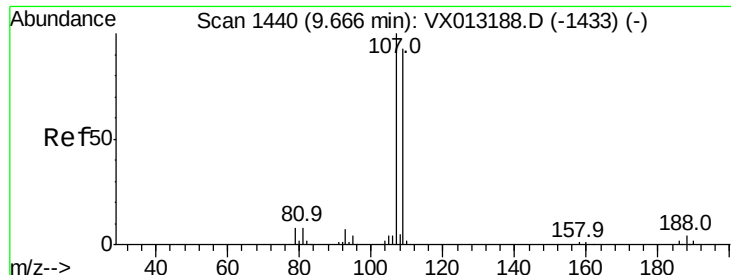
MMDadoda
10/25/2019 4:32:38 PM



#60
Dibromochloromethane
Concen: 4.506 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion: 129 Resp: 8157
Ion Ratio Lower Upper
129 100
127 71.5 39.0 116.9





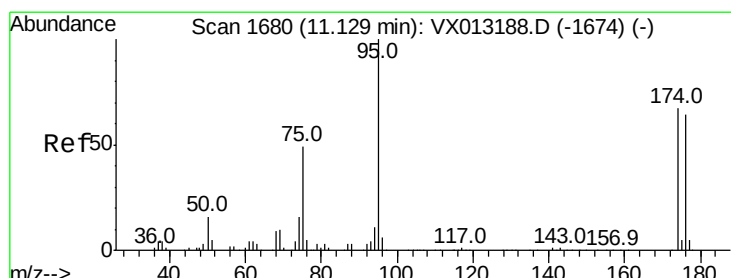
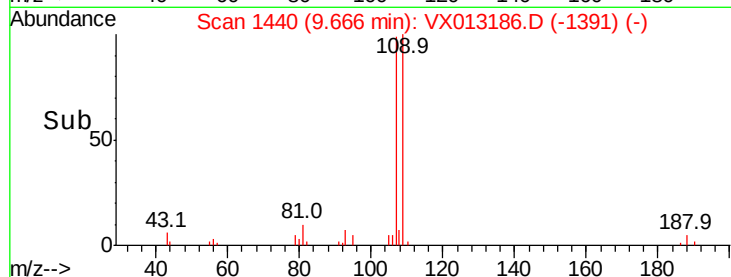
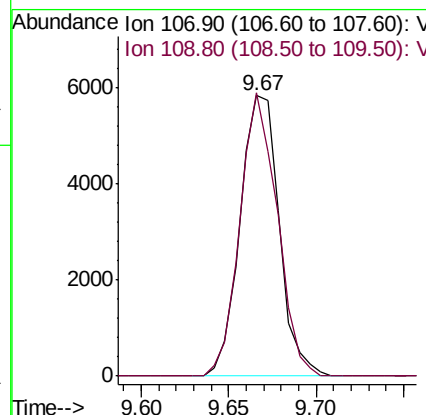
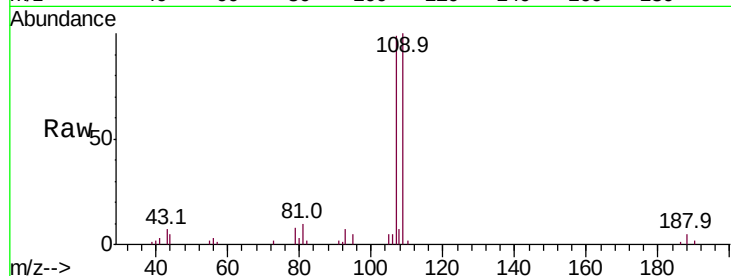
#61
 1,2-Dibromoethane
 Concen: 4.791 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.0	112.6

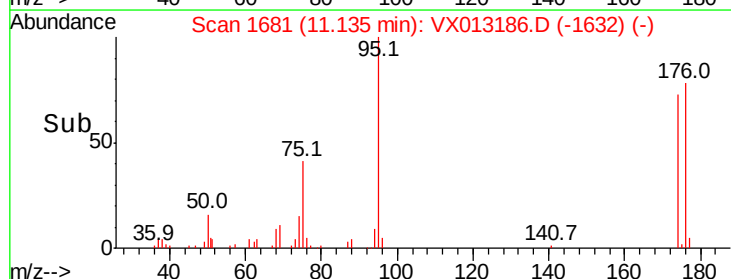
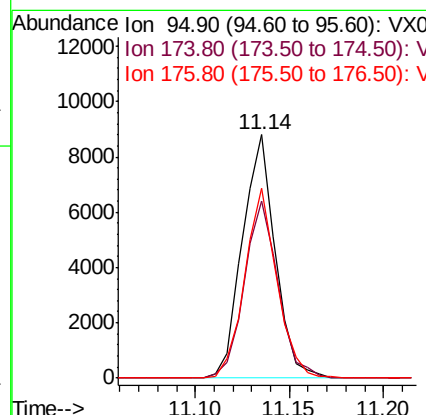
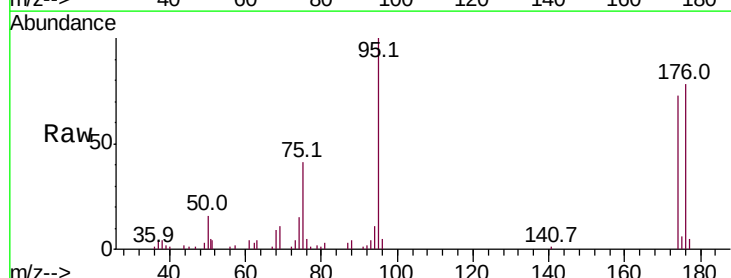
Manual Integrations
 APPROVED

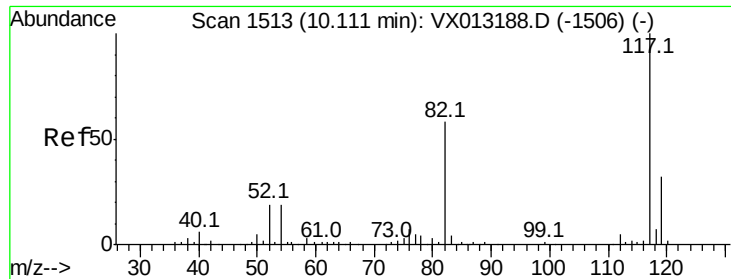
MMDadoda
 10/25/2019 4:32:38 PM



#62
 4-Bromofluorobenzene
 Concen: 4.553 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	155.6
176	76.7	0.0	151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

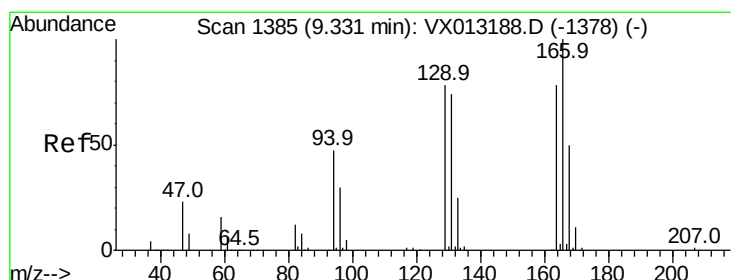
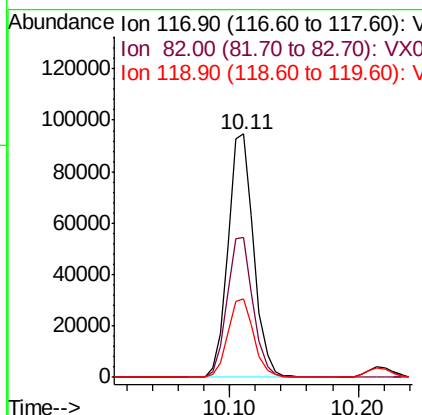
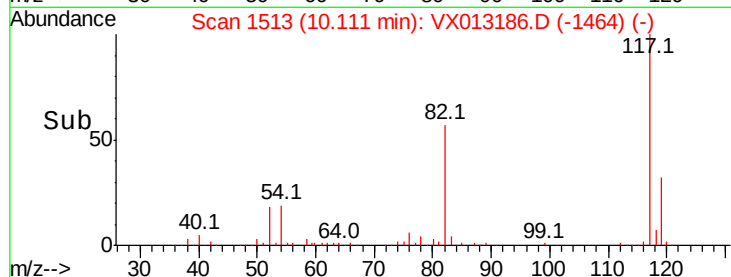
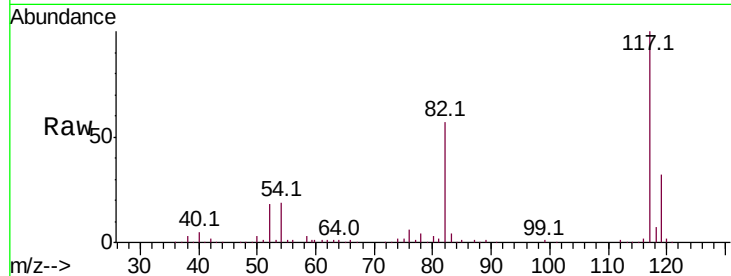
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	132363
Ion Ratio	Lower	Upper	
117	100		
82	57.3	44.0	66.0
119	32.3	26.3	39.5

Manual Integrations
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#64

Tetrachloroethene

Concen: 5.059 ug/l

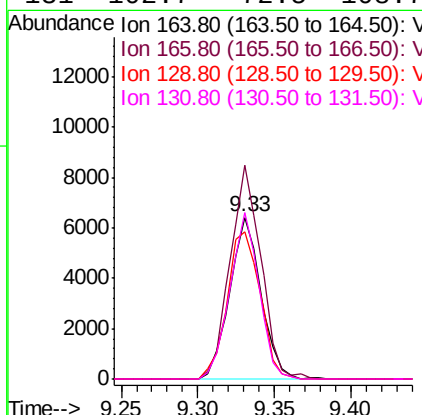
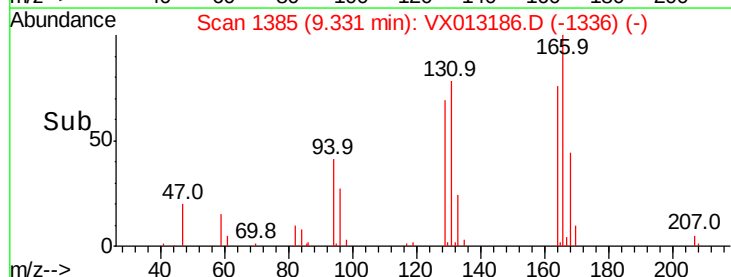
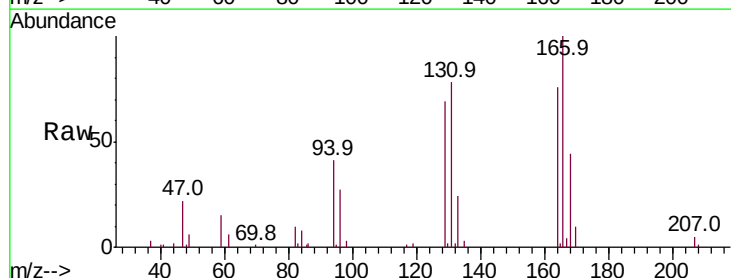
RT: 9.33 min Scan# 1385

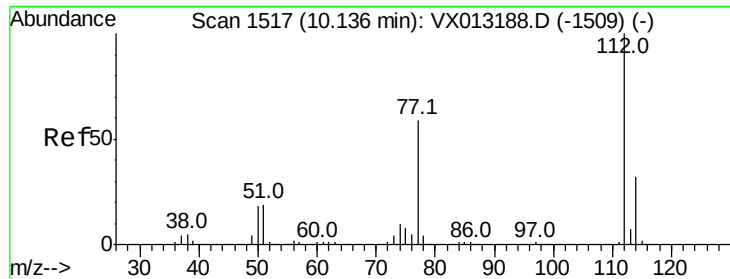
Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Tgt Ion:	164	Resp:	9094
Ion Ratio	Lower	Upper	
164	100		
166	132.3	101.3	151.9
129	91.2	79.9	119.9
131	102.7	72.5	108.7





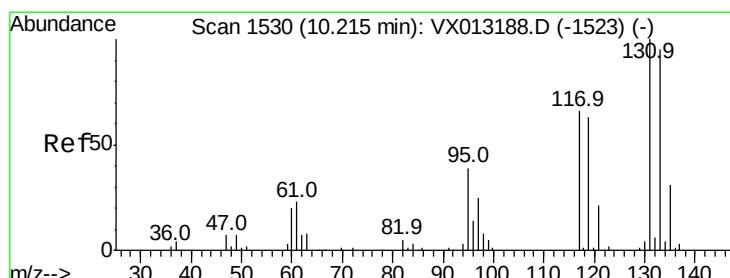
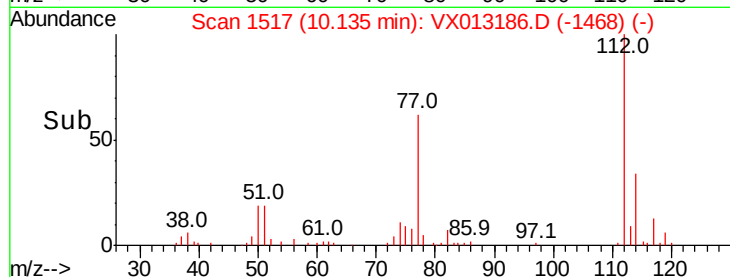
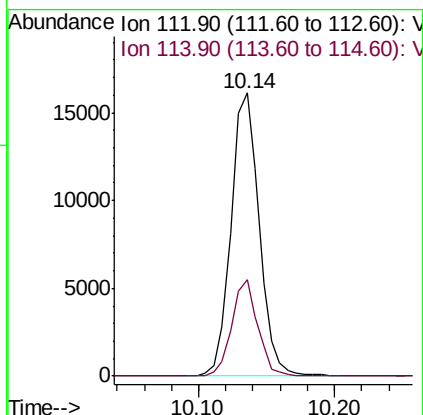
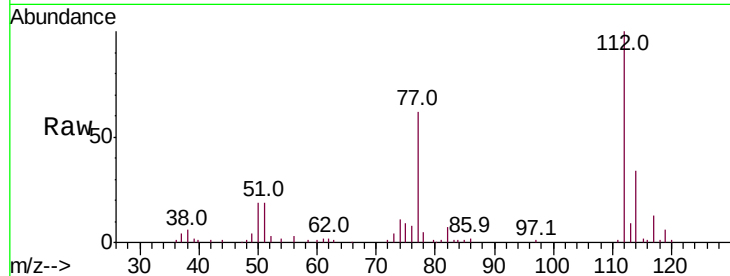
#65
Chlorobenzene
Concen: 5.006 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 23148
Ion Ratio Lower Upper
112 100
114 33.9 26.2 39.4

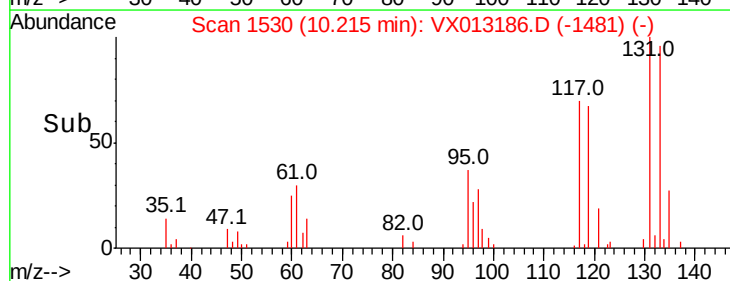
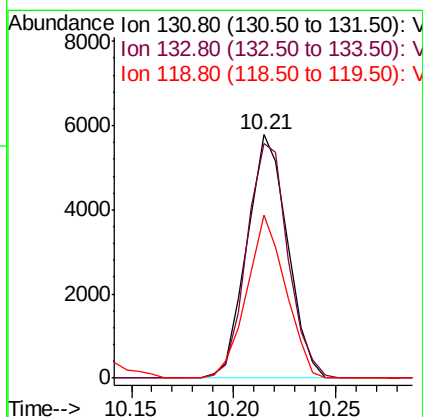
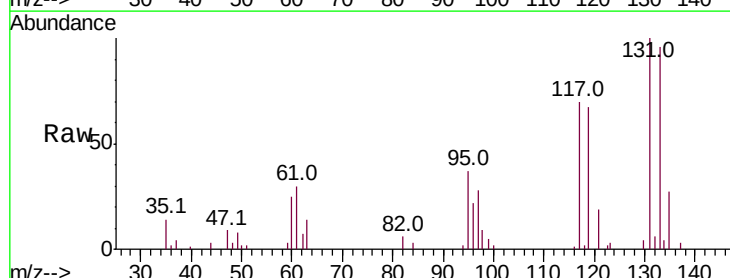
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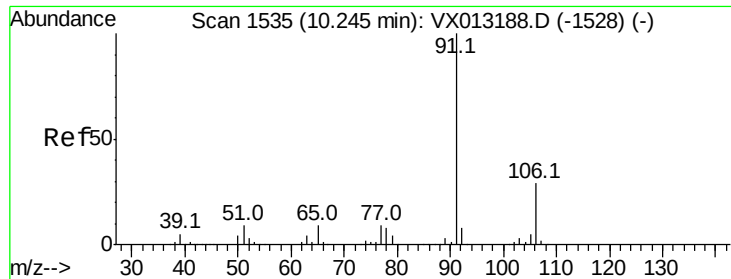
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.720 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion:131 Resp: 7994
Ion Ratio Lower Upper
131 100
133 97.7 47.3 141.9
119 64.6 31.6 94.8





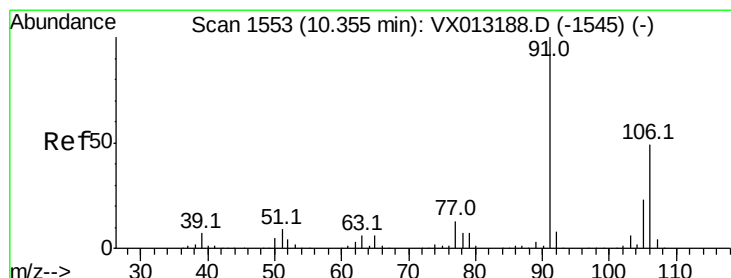
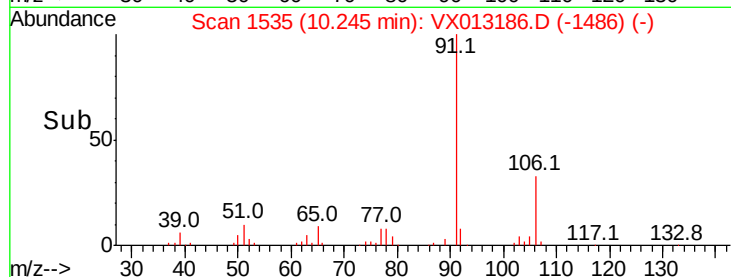
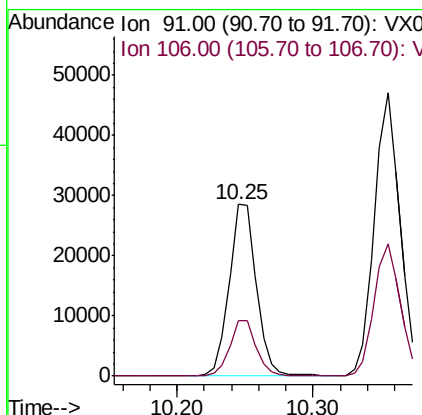
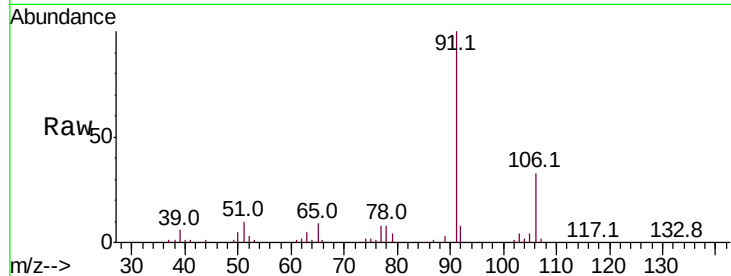
#67
Ethyl Benzene
Concen: 4.838 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 39988
Ion Ratio Lower Upper
91 100
106 32.6 24.4 36.6

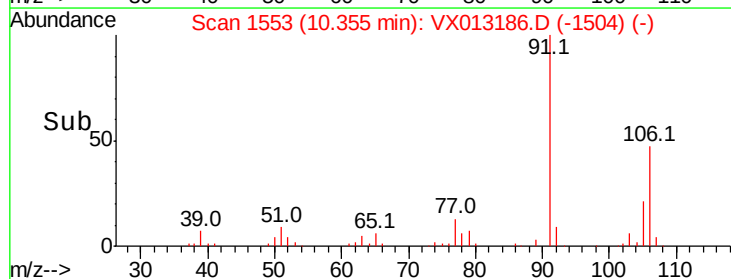
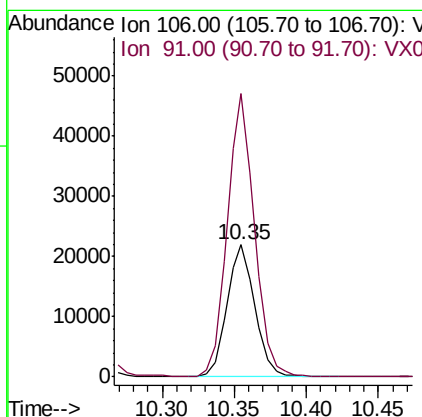
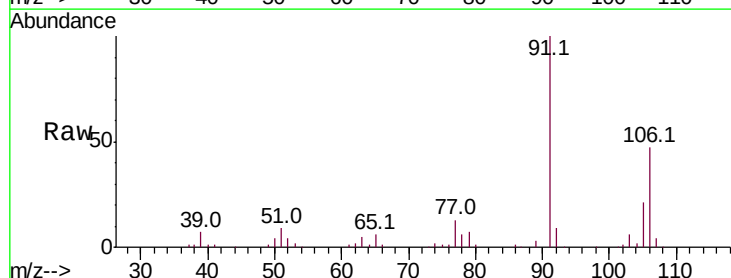
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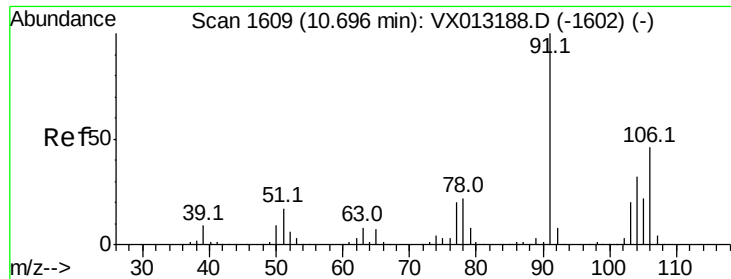
MMDadoda
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#68
m/p-Xylenes
Concen: 9.583 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion: 106 Resp: 29940
Ion Ratio Lower Upper
106 100
91 207.1 166.3 249.5





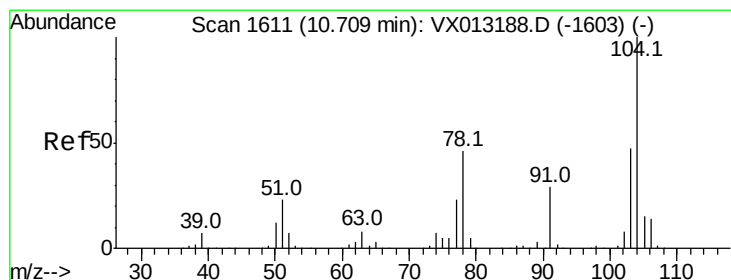
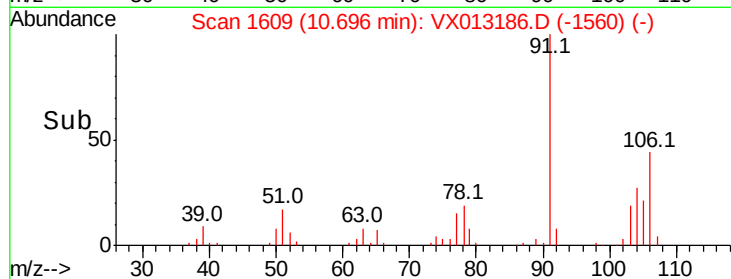
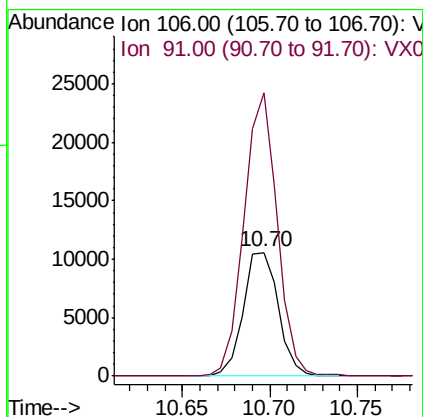
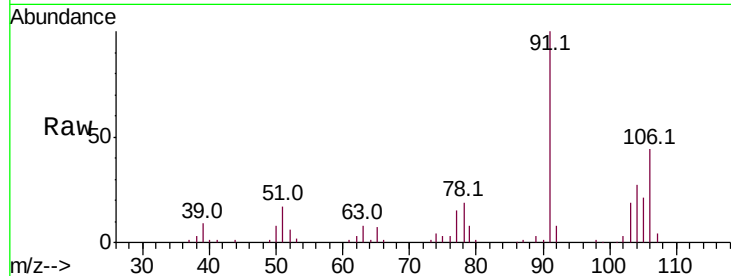
#69
o-Xylene
Concen: 4.854 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 14774
Ion Ratio Lower Upper
106 100
91 216.8 109.5 328.4

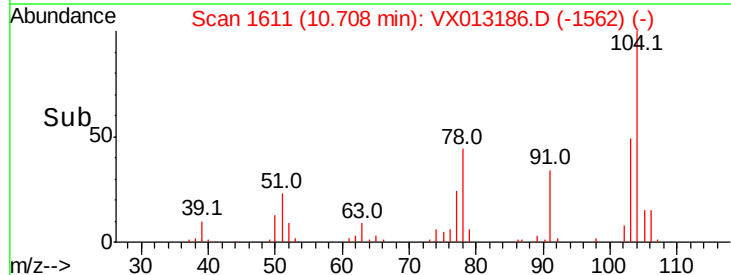
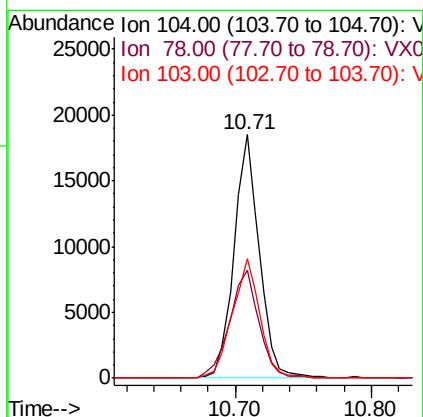
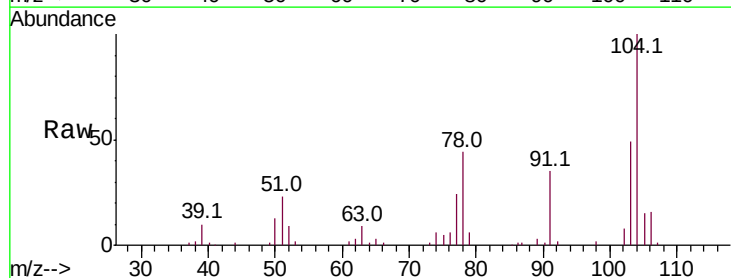
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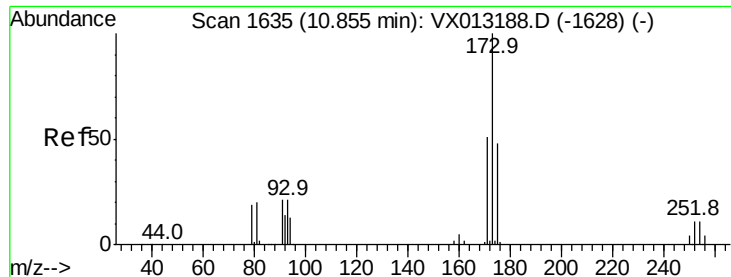
MMDadoda
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#70
Styrene
Concen: 4.672 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion:104 Resp: 23928
Ion Ratio Lower Upper
104 100
78 51.8 42.2 63.2
103 53.7 43.0 64.6





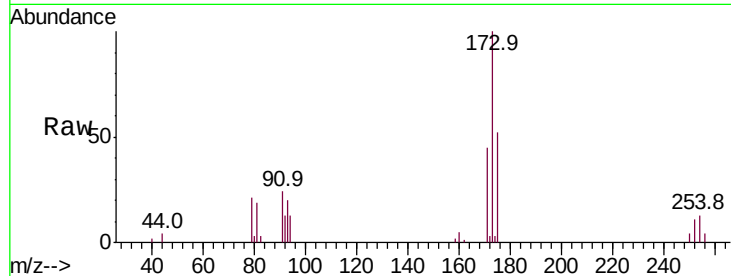
#71
Bromoform
Concen: 4.149 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

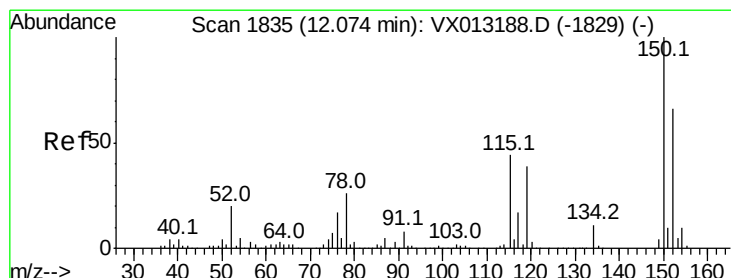
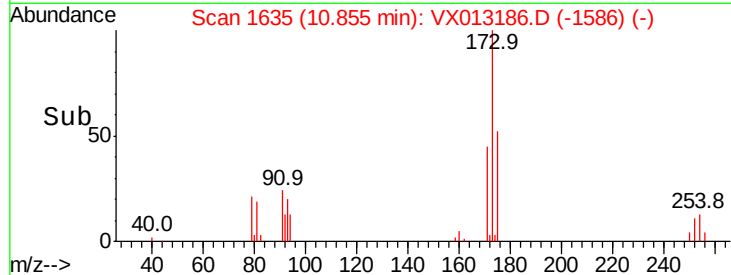
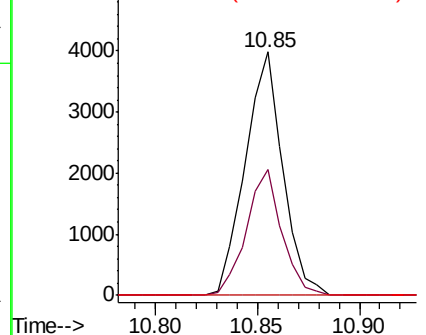
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.0	0.1	0.1#

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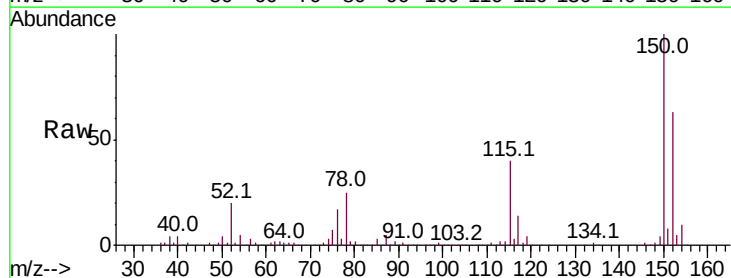


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

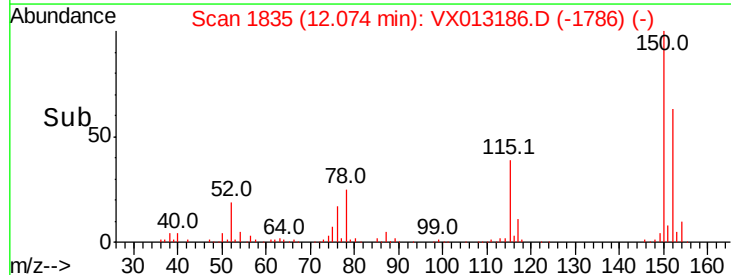
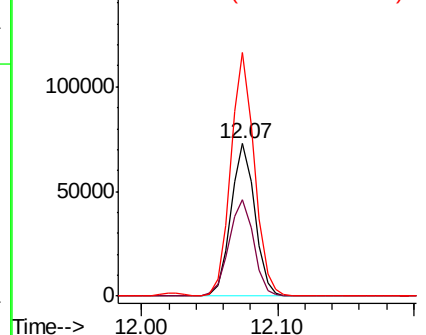


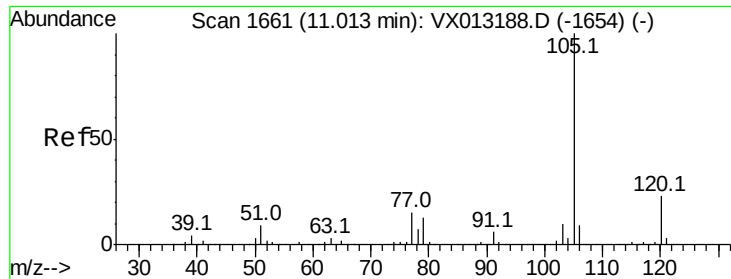
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.7	46.3	138.9
150	157.4	0.0	339.4



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





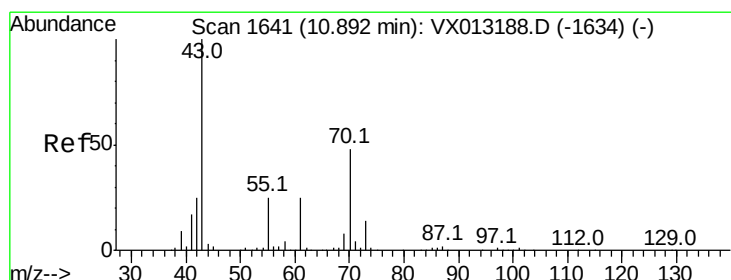
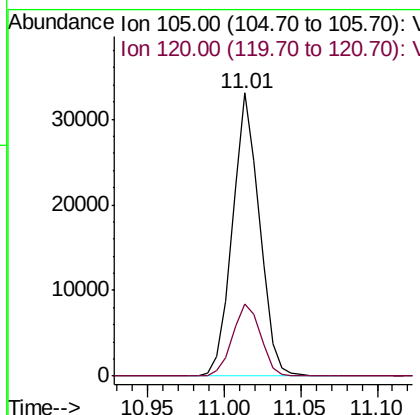
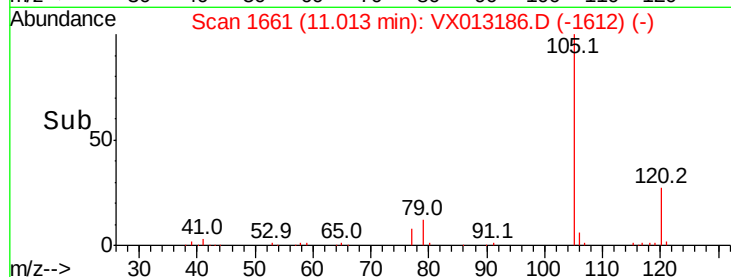
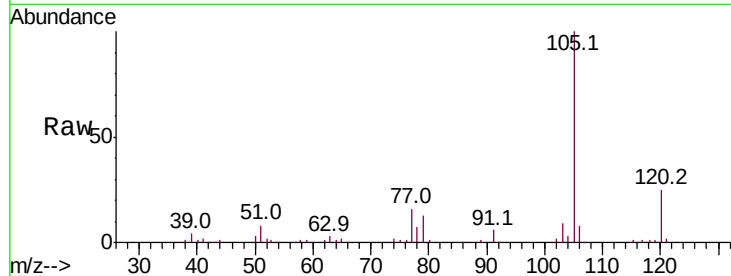
#73
Isopropylbenzene
Concen: 5.086 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 40296
Ion Ratio Lower Upper
105 100
120 26.5 12.6 37.8

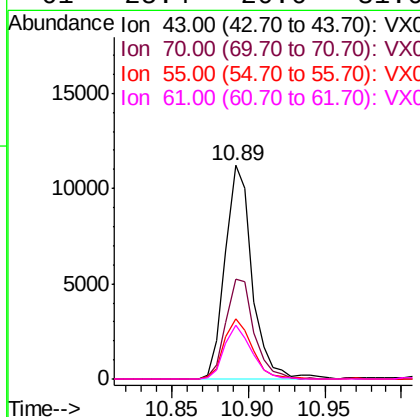
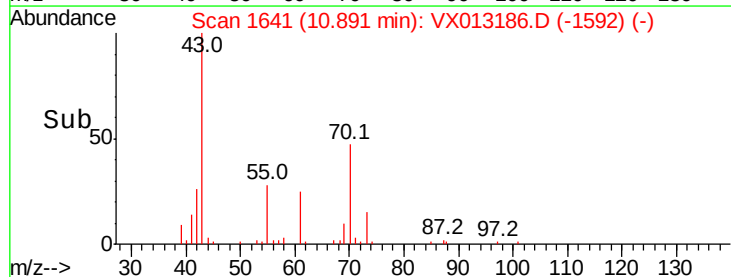
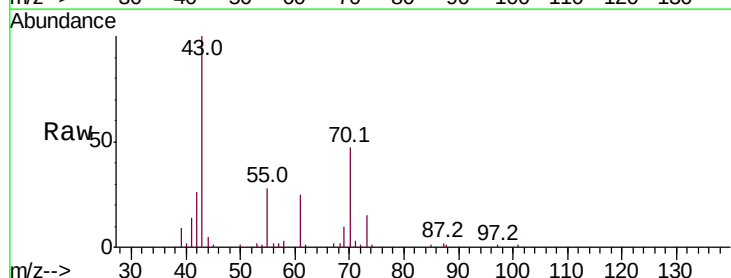
Manual Integrations
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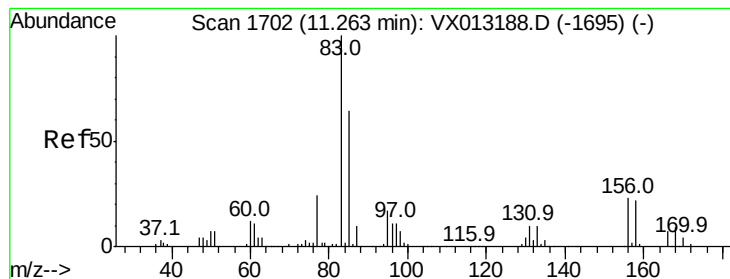
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#74
N-ethyl acetate
Concen: 4.669 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion: 43 Resp: 13820
Ion Ratio Lower Upper
43 100
70 48.7 37.8 56.8
55 29.2 20.6 31.0
61 25.4 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.978 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

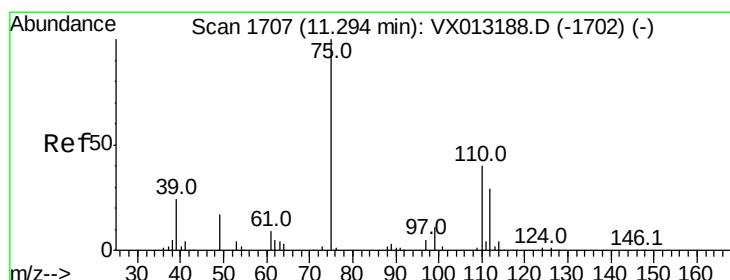
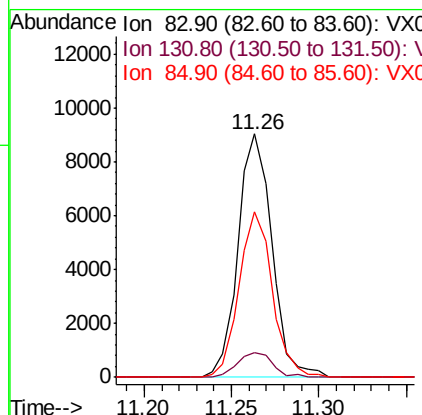
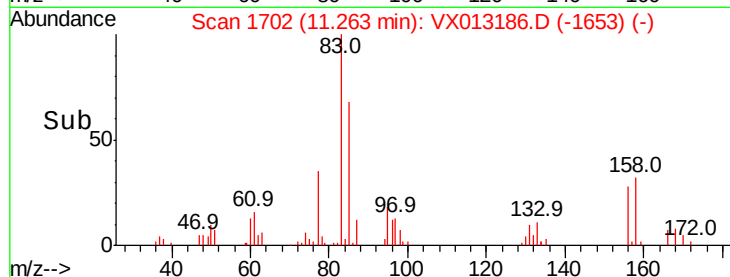
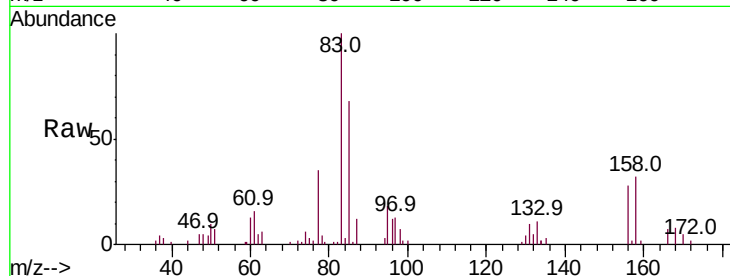
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12214
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.6	16.8
85	66.9	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.752 ug/l m

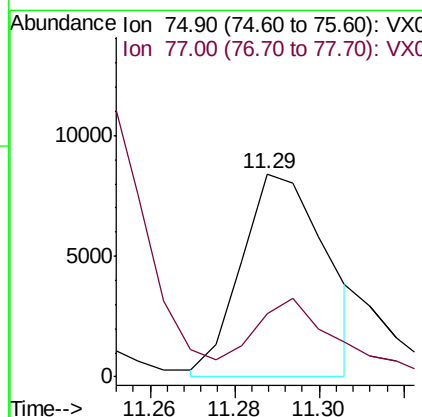
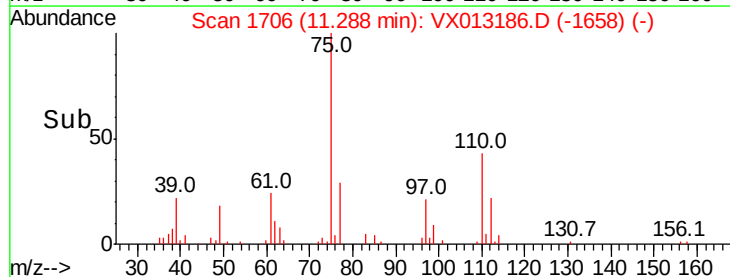
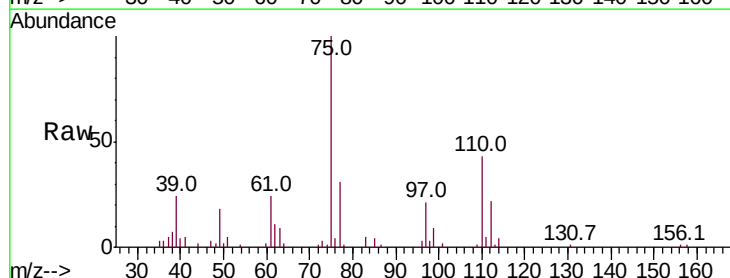
RT: 11.29 min Scan# 1706

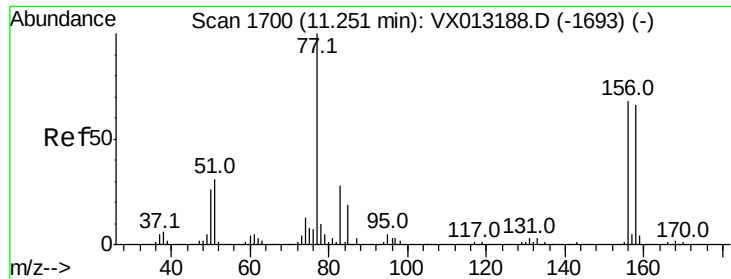
Delta R.T. -0.01 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Tgt Ion:	75	Resp:	11774
Ion Ratio	Lower	Upper	
75	100		
77	38.8	22.1	66.1





#77

Bromobenzene

Concen: 5.212 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 9769

Ion Ratio Lower Upper

156 100

77 156.9 81.5 244.4

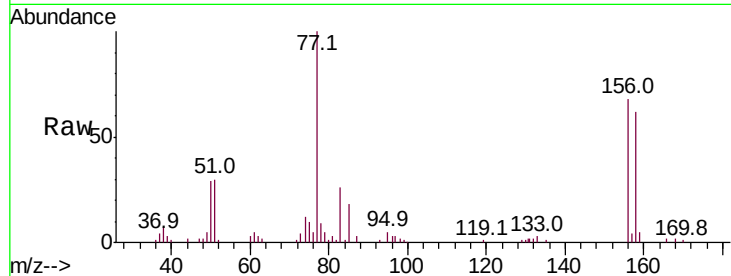
158 96.4 49.0 147.2

Manual Integrations

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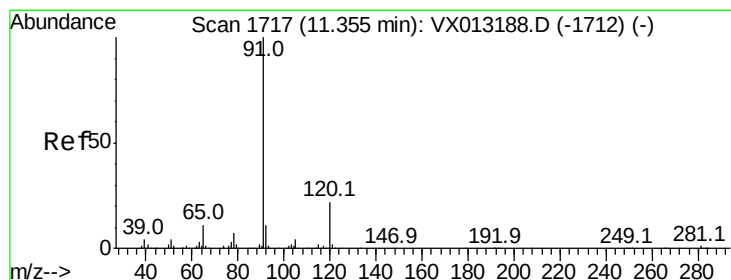
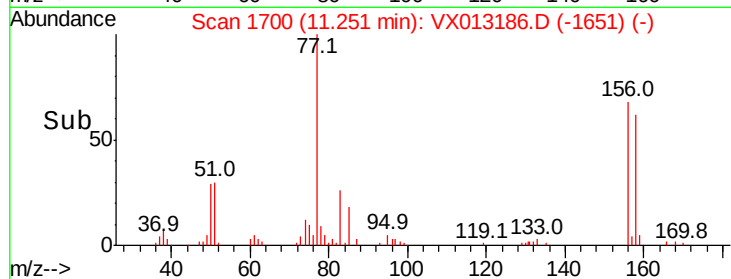
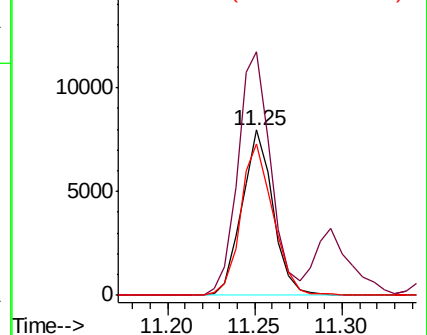
10/25/2019 4:32:38 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.931 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013186.D

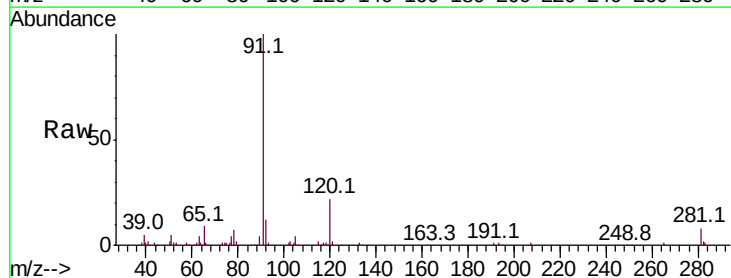
Acq: 23 Oct 2019 13:31

Tgt Ion: 91 Resp: 41859

Ion Ratio Lower Upper

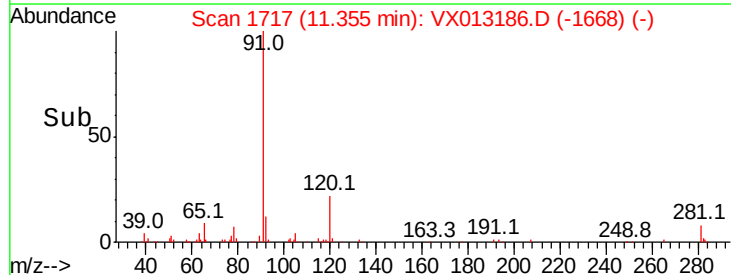
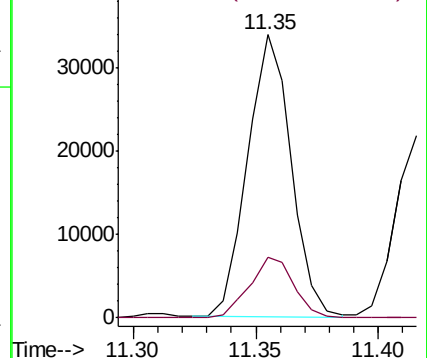
91 100

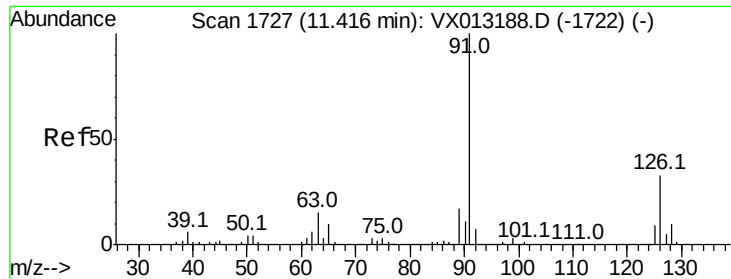
120 22.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.979 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 27196

Ion Ratio Lower Upper

91 100

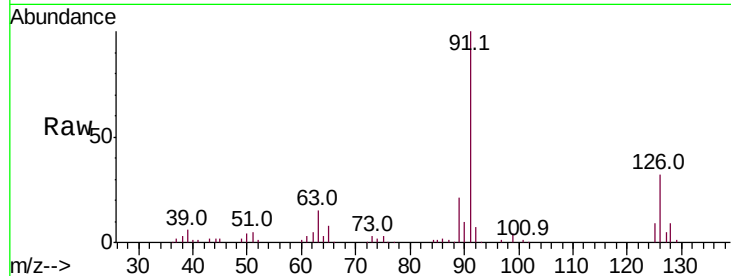
126 32.6 16.1 48.3

Manual Integrations

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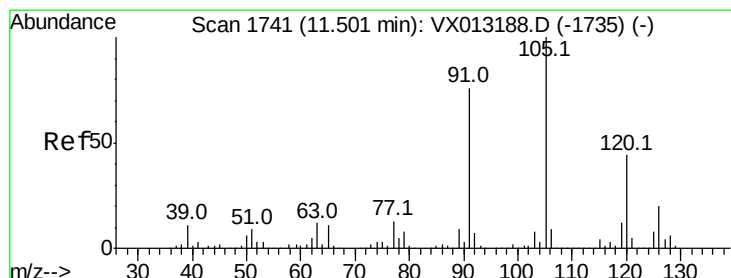
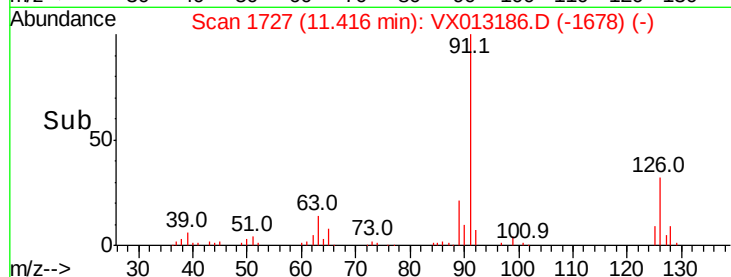
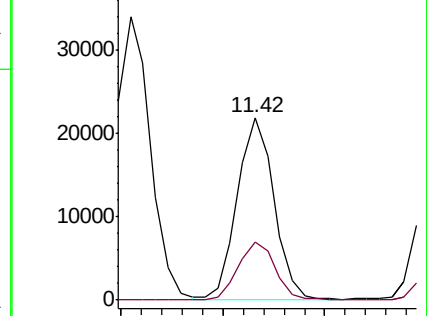
MMDadoda

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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: 4.806 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013186.D

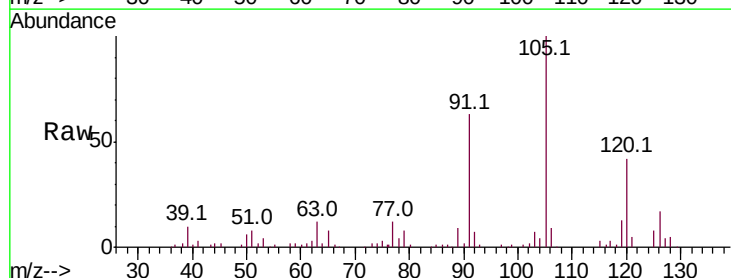
Acq: 23 Oct 2019 13:31

Tgt Ion:105 Resp: 31860

Ion Ratio Lower Upper

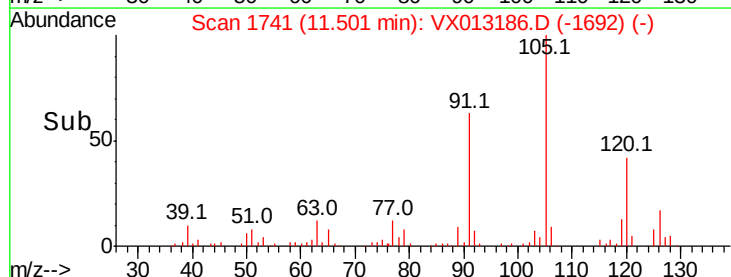
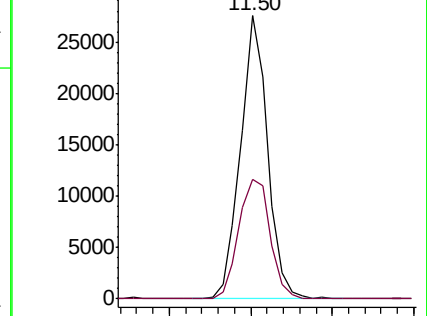
105 100

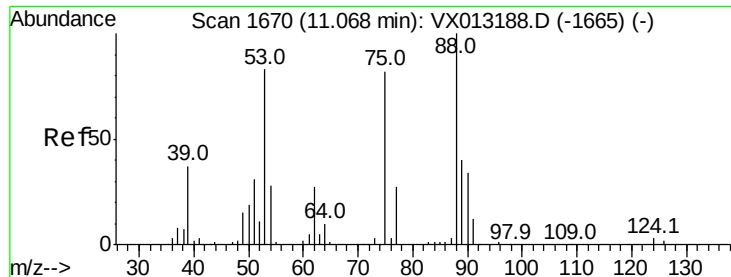
120 48.9 24.1 72.2



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: 4.096 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 3279

Ion Ratio Lower Upper

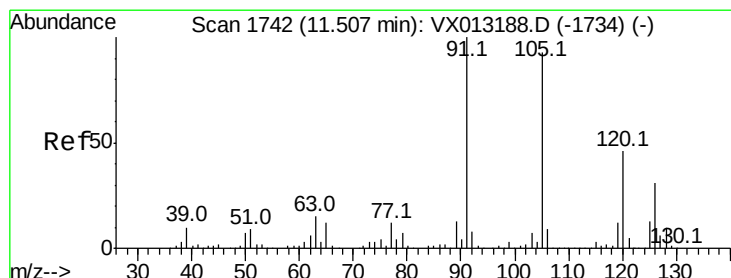
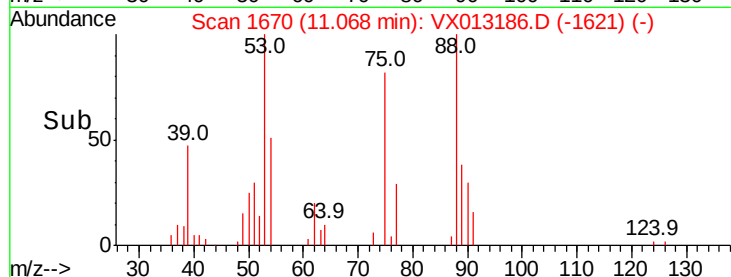
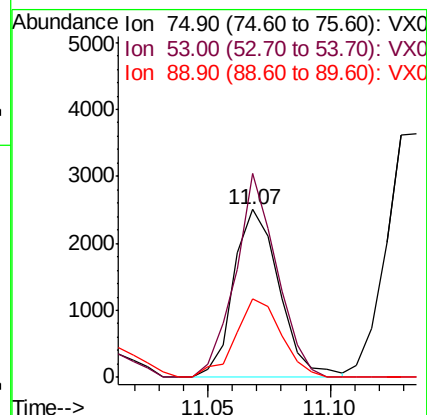
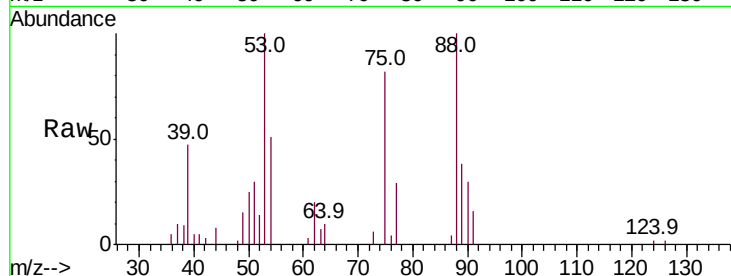
75 100

53 109.4 76.0 114.0

89 46.7 37.7 56.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.864 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013186.D

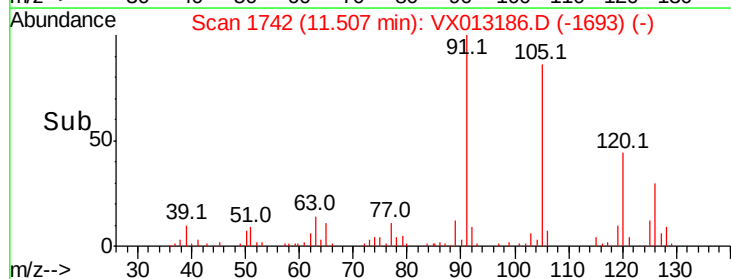
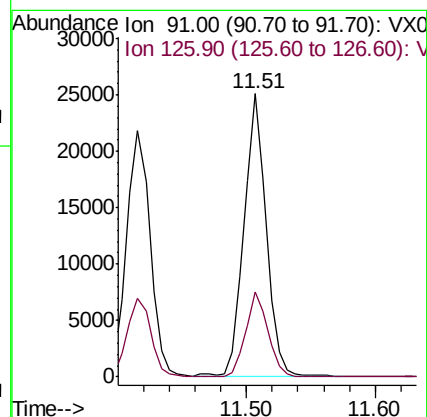
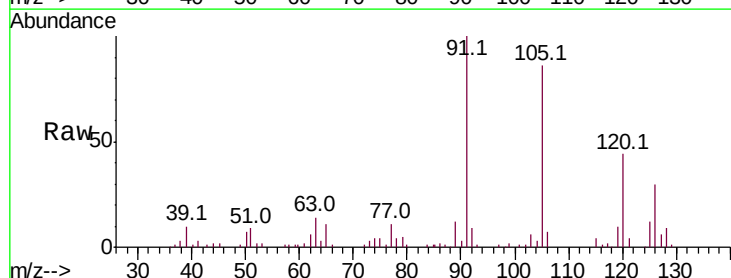
Acq: 23 Oct 2019 13:31

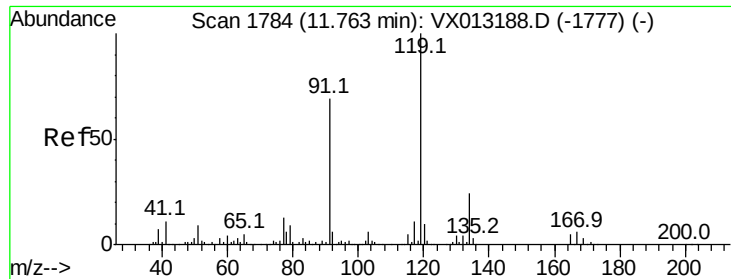
Tgt Ion: 91 Resp: 30285

Ion Ratio Lower Upper

91 100

126 29.5 14.5 43.6





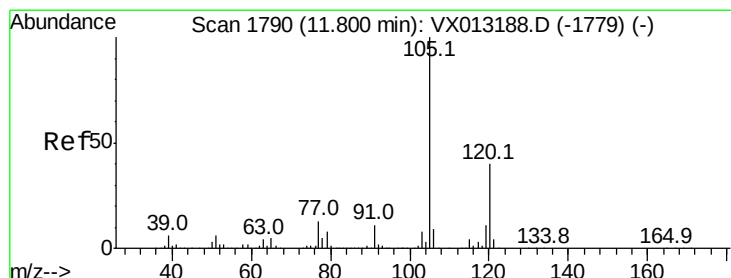
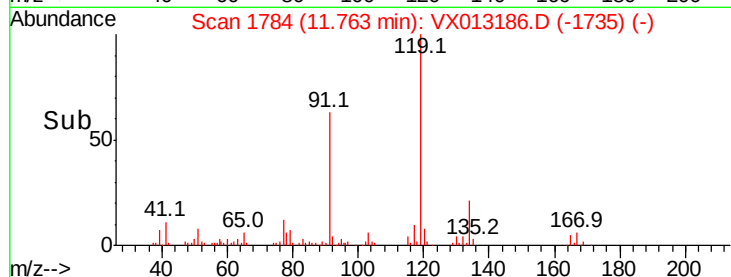
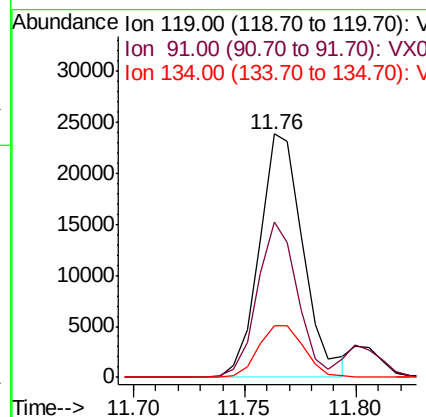
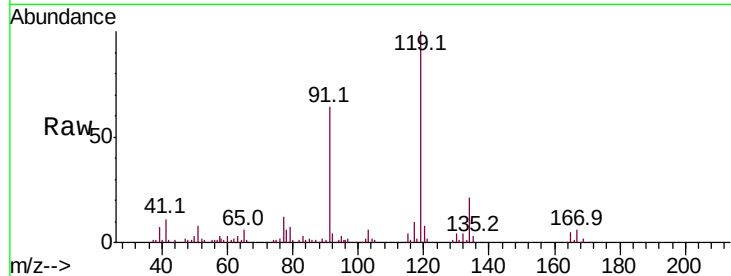
#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.4	91.2
134	22.1	11.2	33.5

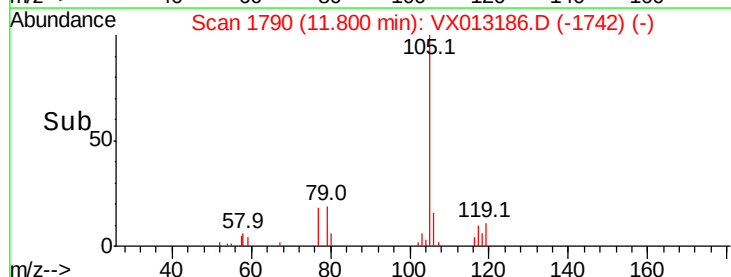
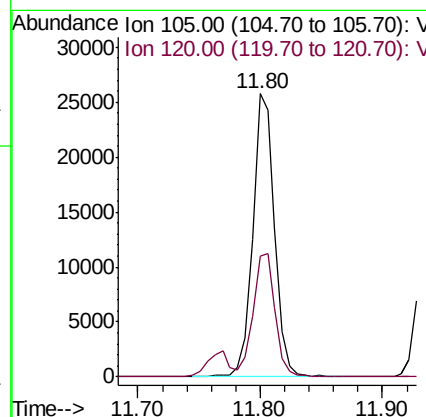
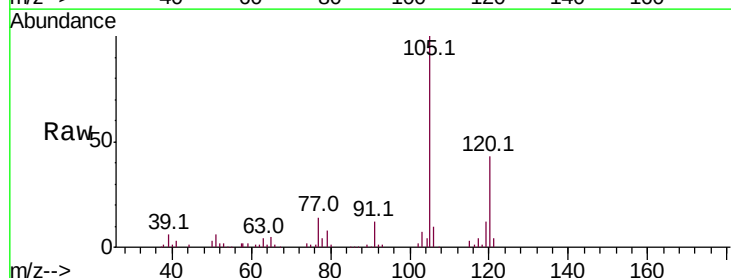
Manual Integrations
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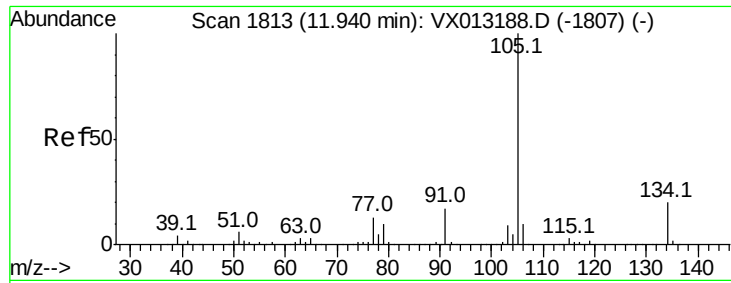
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#84
1,2,4-Trimethylbenzene
Concen: 4.673 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.6	64.8





#85

sec-Butylbenzene

Concen: 4.775 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 35577

Ion Ratio Lower Upper

105 100

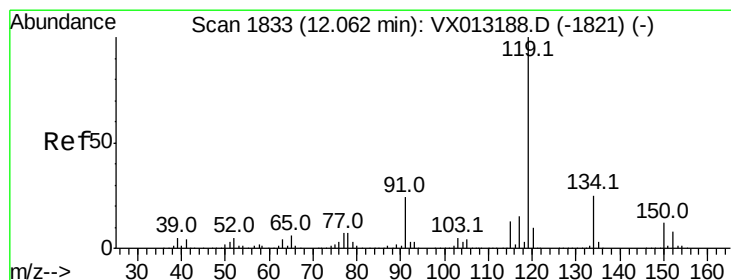
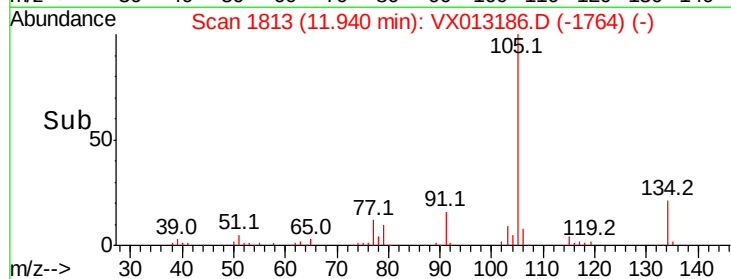
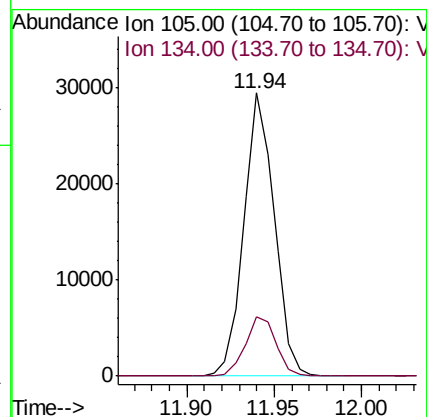
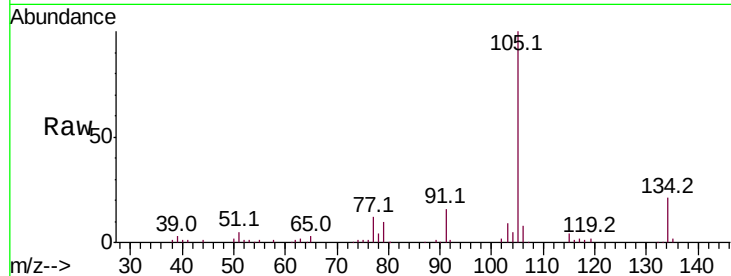
134 21.0 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.777 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013186.D

Acq: 23 Oct 2019 13:31

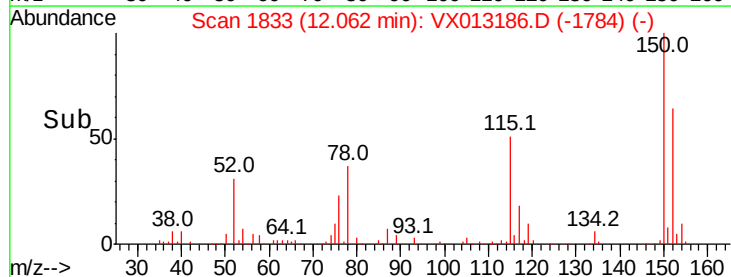
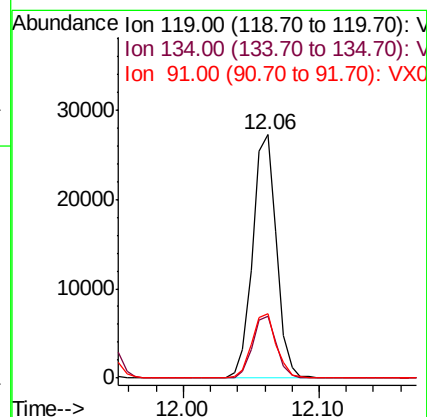
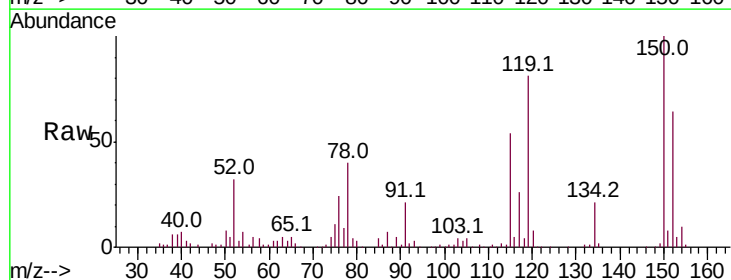
Tgt Ion:119 Resp: 33457

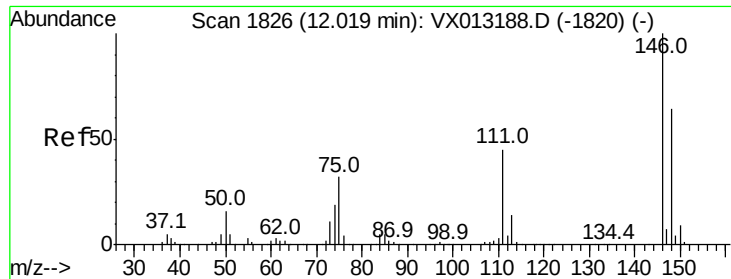
Ion Ratio Lower Upper

119 100

134 25.5 12.3 36.9

91 27.2 12.4 37.0





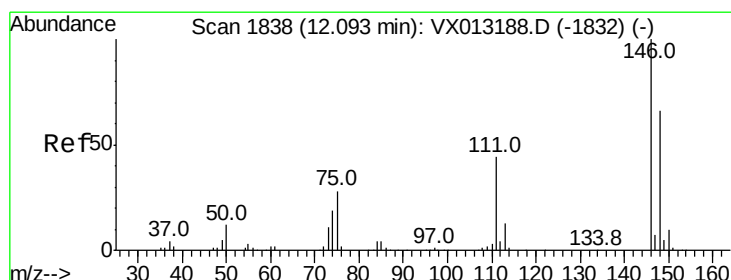
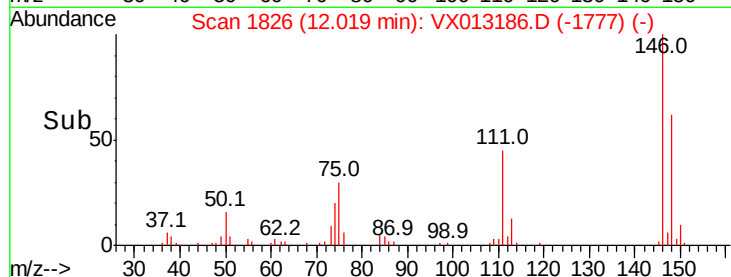
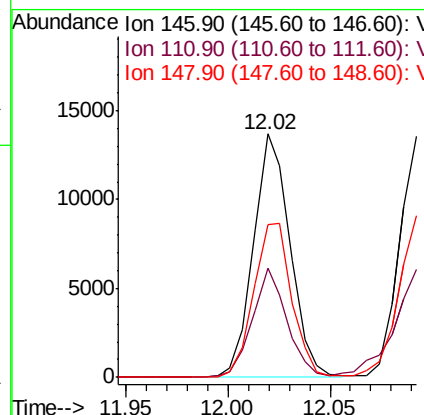
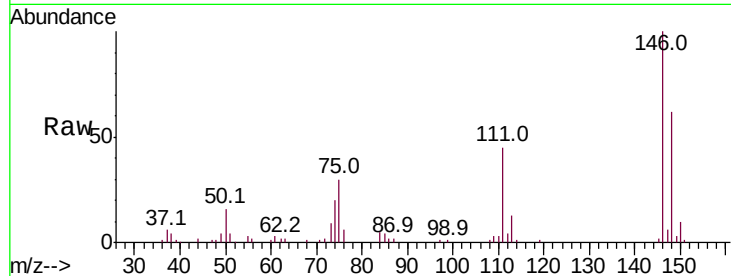
#87
 1,3-Dichlorobenzene
 Concen: 4.896 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	64.8
148	65.6	31.6	94.8

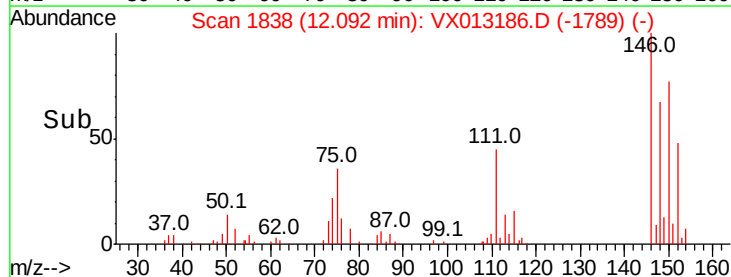
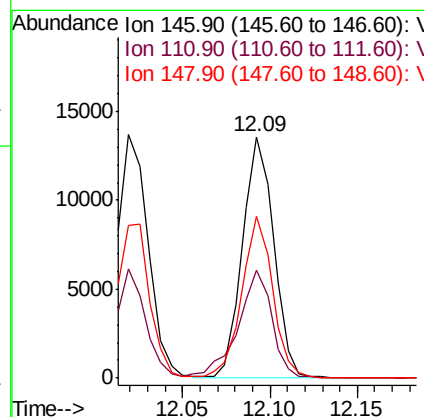
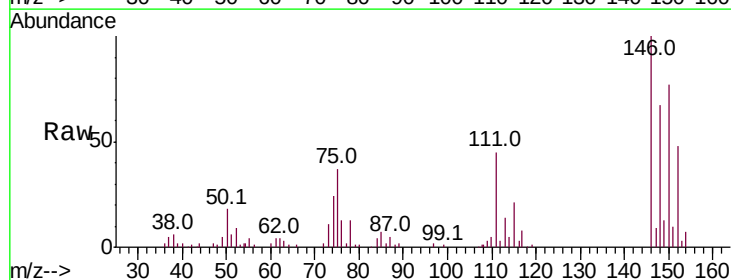
Manual Integrations
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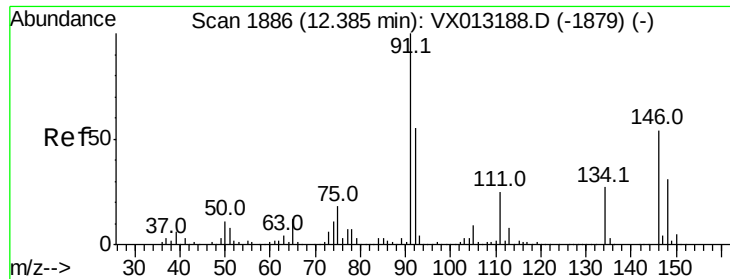
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#88
 1,4-Dichlorobenzene
 Concen: 4.784 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	21.1	63.1
148	66.4	32.5	97.5





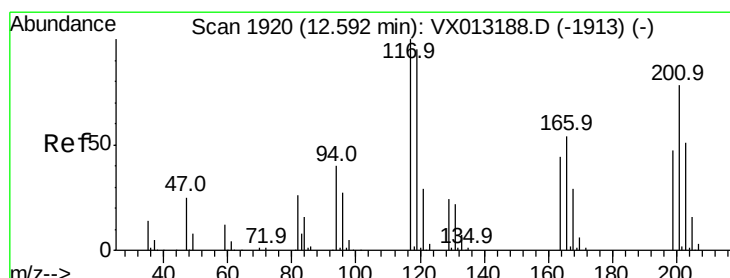
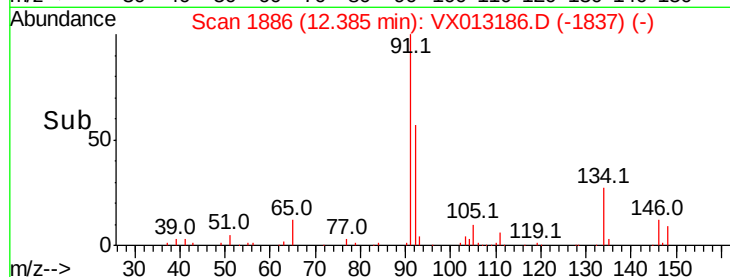
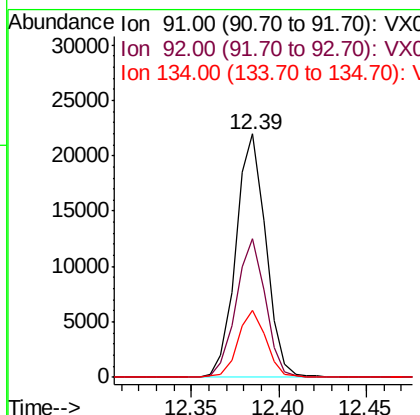
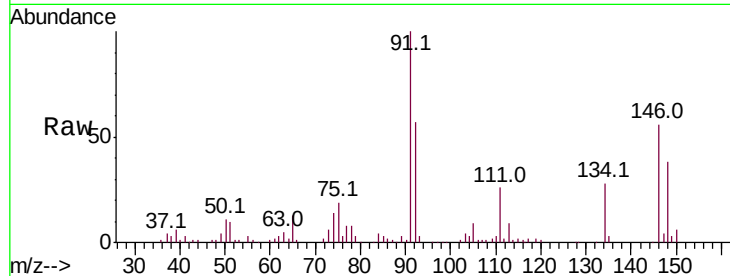
#89
n-Butylbenzene
Concen: 4.515 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.0	27.3	81.8
134	25.9	12.9	38.6

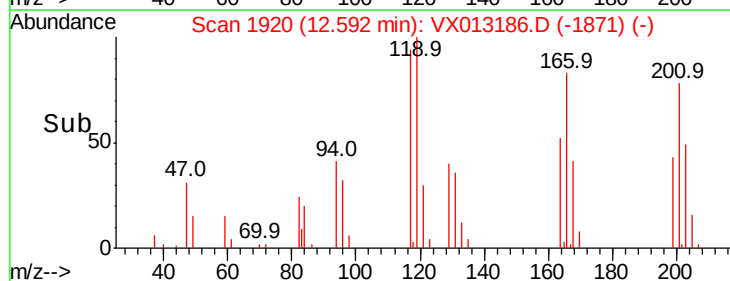
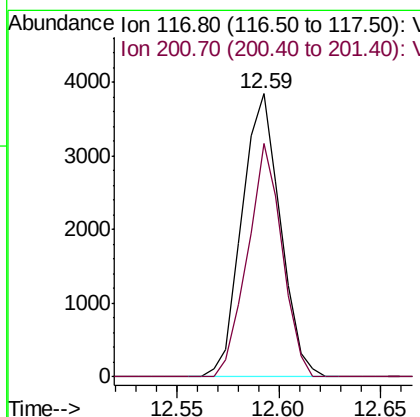
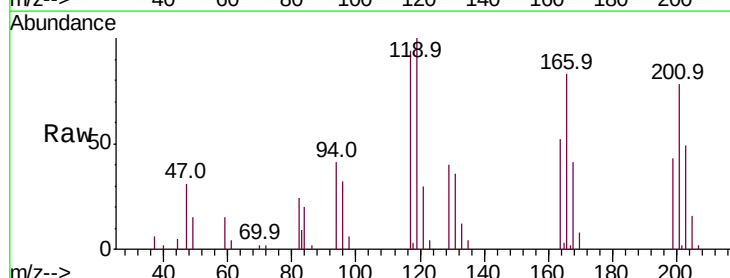
Manual Integrations
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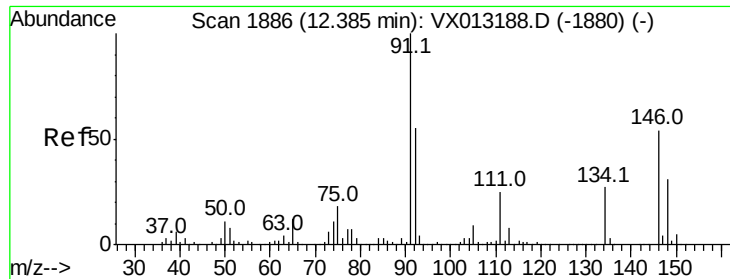
MMDadoda
10/25/2019 4:32:38 PM



#90
Hexachloroethane
Concen: 4.225 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.9	38.5	115.3





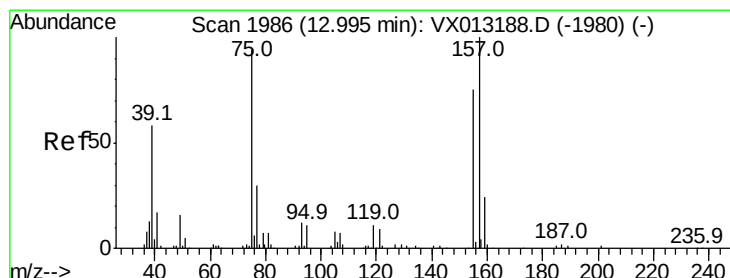
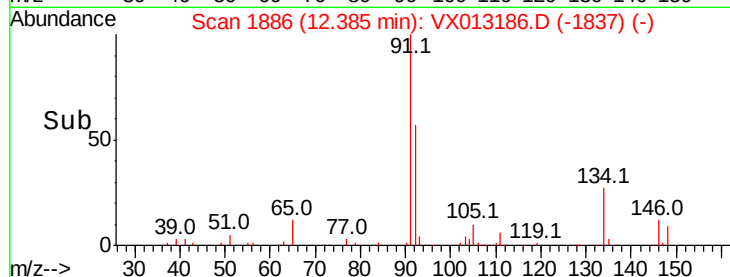
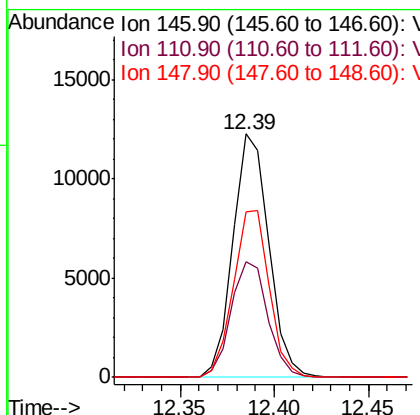
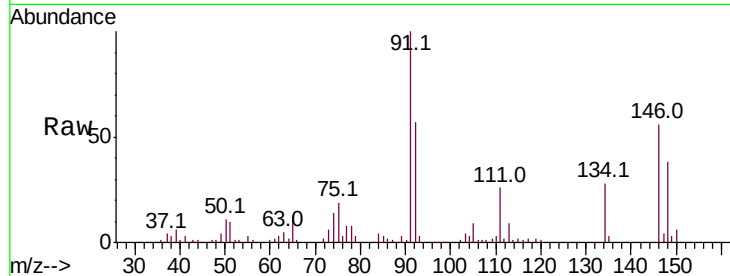
#91
 1,2-Dichlorobenzene
 Concen: 4.757 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	22.4	67.0
148	68.5	32.4	97.0

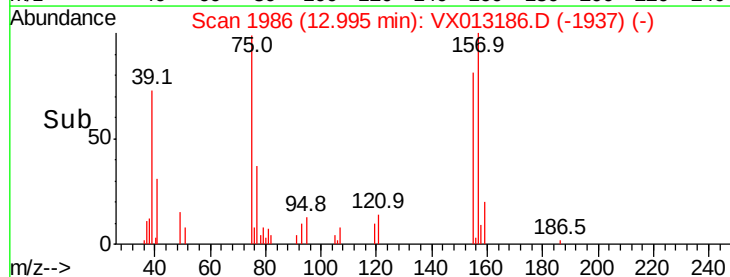
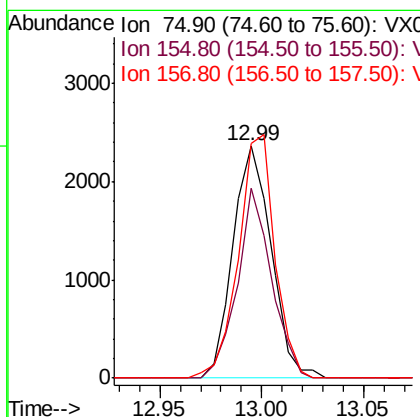
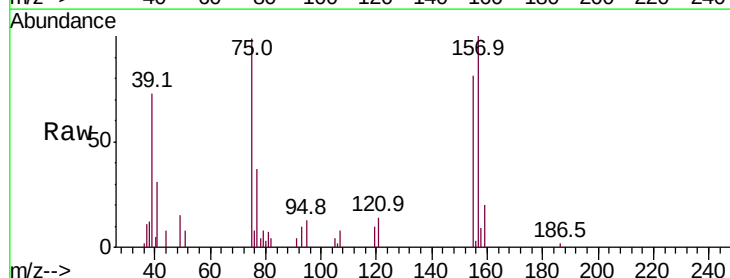
Manual Integrations
 APPROVED

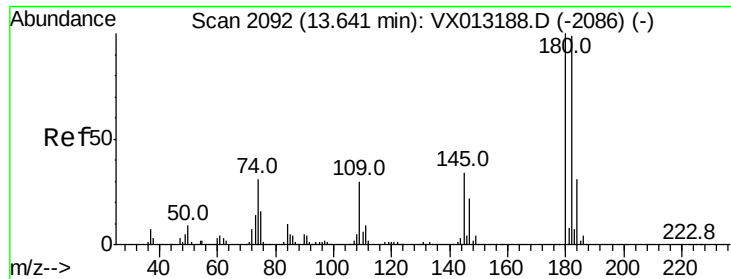
MMDadoda
 10/25/2019 4:32:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.175 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	42.4	127.2
157	99.9	54.4	163.1





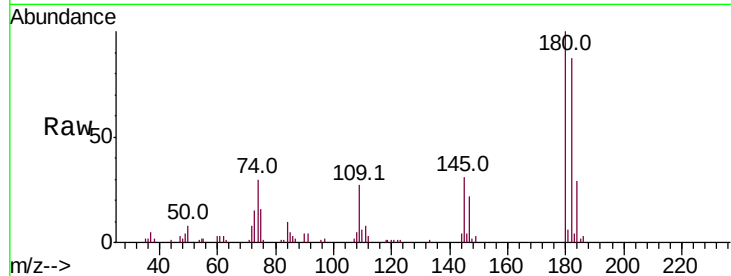
#93
 1,2,4-Trichlorobenzene
 Concen: 4.447 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

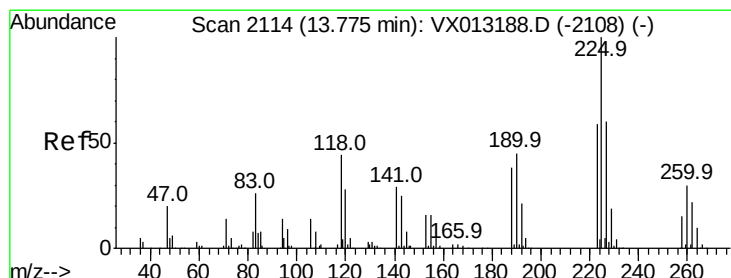
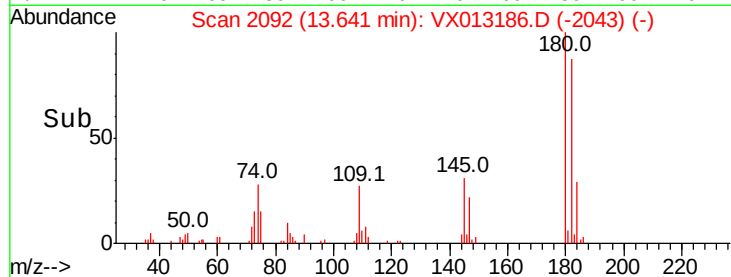
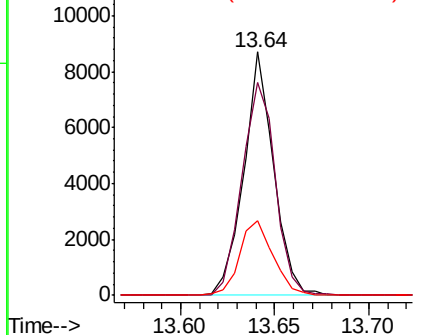
Tot Ion:	180	Resp:	9597
Ion Ratio	Lower	Upper	
180	100		
182	96.9	46.3	138.9
145	34.0	16.4	49.2

Manual Integrations
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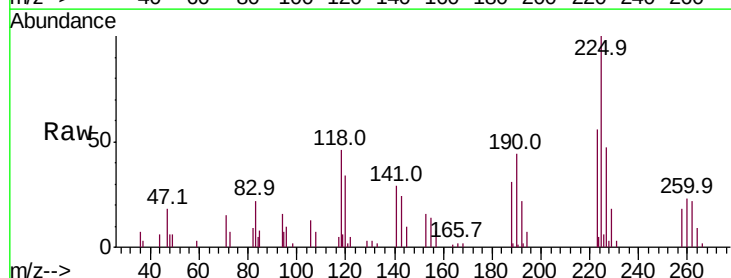


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

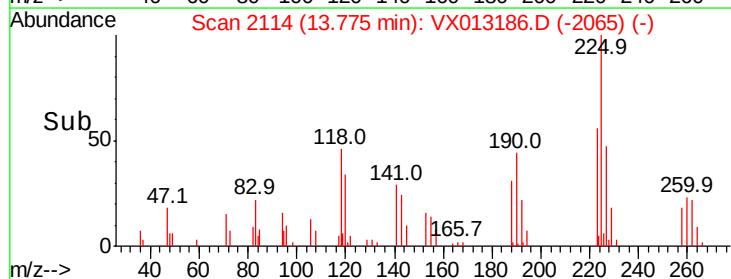
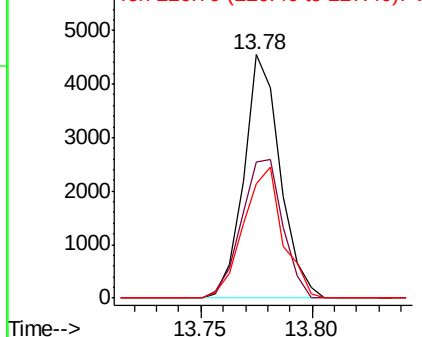


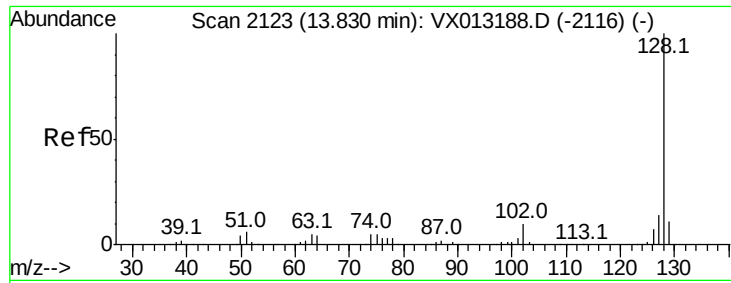
#94
 Hexachlorobutadiene
 Concen: 4.722 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013186.D
 Acq: 23 Oct 2019 13:31

Tgt Ion:	225	Resp:	5166
Ion Ratio	Lower	Upper	
225	100		
223	64.7	32.0	96.2
227	58.5	33.0	98.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





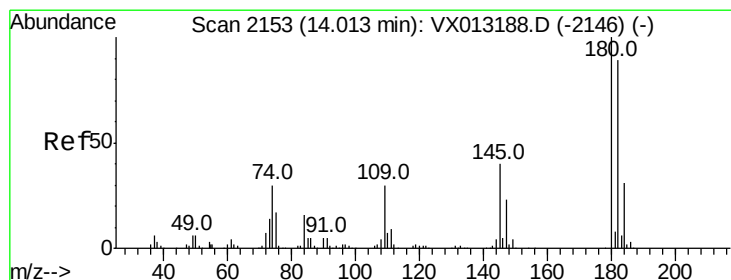
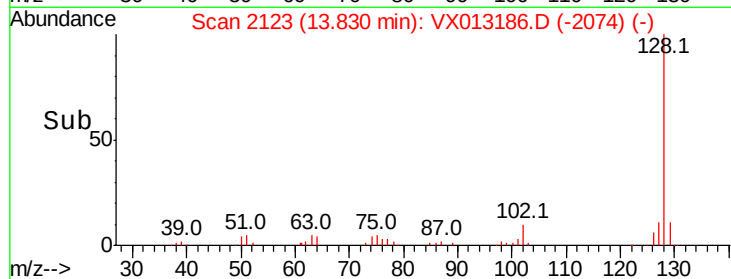
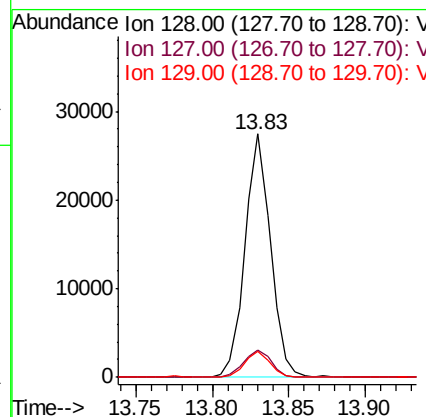
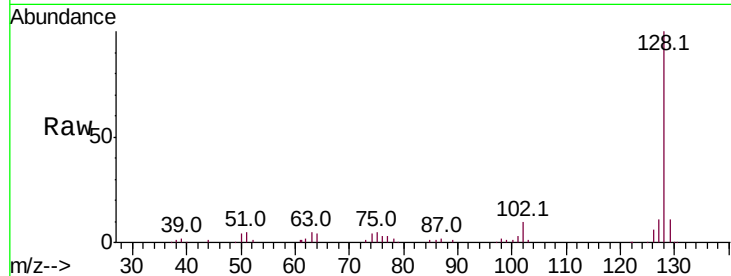
#95
Naphthalene
Concen: 4.712 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.5	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.506 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX013186.D
Acq: 23 Oct 2019 13:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.3	48.1	144.4
145	35.5	17.1	51.3

