

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102919\
 Data File : VX013261.D
 Acq On : 29 Oct 2019 11:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:49:05 AM

Quant Time: Oct 30 01:46:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	72173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	101566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	105003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	74953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	71550	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	5.48	113	55235	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	8.71	98	194546	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
62) 4-Bromofluorobenzene	11.13	95	81842	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	65430	44.929	ug/l	98
3) Chloromethane	1.32	50	50322	42.117	ug/l	98
4) Vinyl Chloride	1.40	62	54364	41.480	ug/l	98
5) Bromomethane	1.63	94	30431	43.807	ug/l	98
6) Chloroethane	1.71	64	35686	48.582	ug/l	99
7) Trichlorofluoromethane	1.92	101	101595	49.130	ug/l	98
8) Diethyl Ether	2.18	74	34468	48.594	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59987	46.836	ug/l	98
10) Methyl Iodide	2.50	142	72793	45.458	ug/l	98
11) Tert butyl alcohol	3.03	59	79939	244.078	ug/l	100
12) 1,1-Dichloroethene	2.36	96	55257	44.944	ug/l	97
13) Acrolein	2.28	56	37875	213.852	ug/l	98
14) Allyl chloride	2.72	41	87212	45.057	ug/l	97
15) Acrylonitrile	3.13	53	156727	235.549	ug/l	99
16) Acetone	2.43	43	188960	265.702	ug/l	99
17) Carbon Disulfide	2.56	76	137867	41.710	ug/l	100
18) Methyl Acetate	2.76	43	75735	48.794	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	216085	49.909	ug/l	98
20) Methylene Chloride	2.84	84	65799	49.479	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	61845	48.361	ug/l	92
22) Diisopropyl ether	3.84	45	178316	47.116	ug/l #	88
23) Vinyl Acetate	3.80	43	787058	244.675	ug/l	100
24) 1,1-Dichloroethane	3.69	63	109884	47.204	ug/l	98
25) 2-Butanone	4.65	43	230432	241.605	ug/l	98
26) 2,2-Dichloropropane	4.57	77	103197	47.967	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	71037	47.178	ug/l	99
28) Bromochloromethane	5.00	49	30795	51.303	ug/l	94
29) Tetrahydrofuran	5.11	42	129196	224.732	ug/l	98
30) Chloroform	5.20	83	122627	49.477	ug/l	98
31) Cyclohexane	5.56	56	88487	45.326	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	109278	49.588	ug/l	99
36) 1,1-Dichloropropene	5.78	75	83444	49.080	ug/l	99
37) Ethyl Acetate	4.81	43	81537	48.175	ug/l	99
38) Carbon Tetrachloride	5.77	117	96748	51.535	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	101260	46.571	ug/l	96
40) Benzene	6.13	78	245662	48.155	ug/l	99
41) Methacrylonitrile	5.03	41	45589	50.241	ug/l	100
42) 1,2-Dichloroethane	6.18	62	104994	54.586	ug/l	99
43) Isopropyl Acetate	6.43	43	141009	50.179	ug/l	99
44) Trichloroethene	7.20	130	70402	48.624	ug/l	94
45) 1,2-Dichloropropane	7.50	63	62250	48.719	ug/l	97
46) Dibromomethane	7.65	93	46781	50.817	ug/l	99
47) Bromodichloromethane	7.89	83	97722	54.471	ug/l	98
48) Methyl methacrylate	7.76	41	69589	50.103	ug/l	99
49) 1,4-Dioxane	7.73	88	34681	981.093	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	420902	245.732	ug/l	100
52) Toluene	8.78	92	162199	47.975	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	106992	56.121	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	110882	53.167	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	69088	51.687	ug/l	97
56) Ethyl methacrylate	9.17	69	106895	53.134	ug/l	99
57) 1,3-Dichloropropane	9.37	76	114716	50.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	216183	275.395	ug/l	100
59) 2-Hexanone	9.48	43	335637	254.387	ug/l	98
60) Dibromochloromethane	9.57	129	79207	56.551	ug/l	99
61) 1,2-Dibromoethane	9.67	107	74632	52.594	ug/l	99
64) Tetrachloroethene	9.33	164	70128	54.293	ug/l	98
65) Chlorobenzene	10.13	112	180315	49.056	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	72940	53.717	ug/l	97
67) Ethyl Benzene	10.25	91	326085	49.554	ug/l	99
68) m/p-Xylenes	10.36	106	244528	98.329	ug/l	99
69) o-Xylene	10.69	106	118136	49.521	ug/l	100
70) Styrene	10.71	104	208985	50.876	ug/l	98
71) Bromoform	10.85	173	56161	56.605	ug/l #	99
73) Isopropylbenzene	11.01	105	326764	48.008	ug/l	100
74) N-amyl acetate	10.89	43	123463	49.422	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	101969	49.339	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	88013m	48.720	ug/l	
77) Bromobenzene	11.25	156	78949	48.396	ug/l	98
78) n-propylbenzene	11.35	91	347051	46.940	ug/l	98
79) 2-Chlorotoluene	11.42	91	217150	46.485	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	285125	50.398	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	34843	53.001	ug/l	99
82) 4-Chlorotoluene	11.51	91	258324	48.805	ug/l	95
83) tert-Butylbenzene	11.76	119	267628	47.814	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	280916	49.228	ug/l	99
85) sec-Butylbenzene	11.94	105	319219	50.115	ug/l	97
86) p-Isopropyltoluene	12.06	119	298726	49.920	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	138129	46.870	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	143663	47.879	ug/l	100
89) n-Butylbenzene	12.39	91	245624	50.176	ug/l	96
90) Hexachloroethane	12.59	117	51990	51.879	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	146009	50.383	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	26555	51.670	ug/l	98

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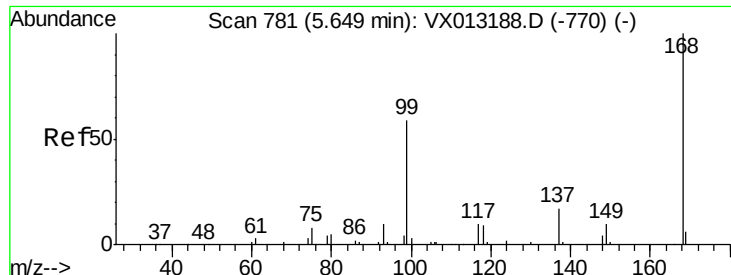
Manual Integrations
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MMDadoda
10/30/2019 10:49:05 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	92060	50.448	ug/l	96
94) Hexachlorobutadiene	13.78	225	45656	48.366	ug/l	96
95) Naphthalene	13.83	128	290665	51.898	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	92454	51.271	ug/l	97

(#) = 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. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 72173

Ion Ratio Lower Upper

168 100

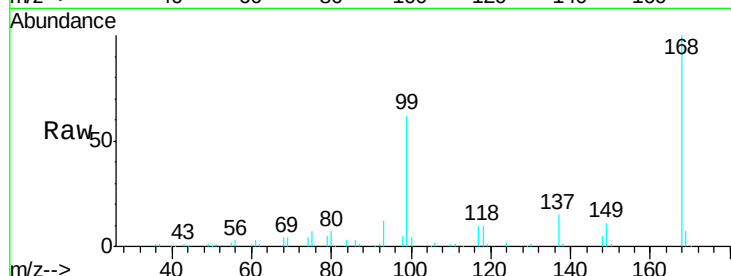
99 62.2 47.0 70.4

Manual Integrations

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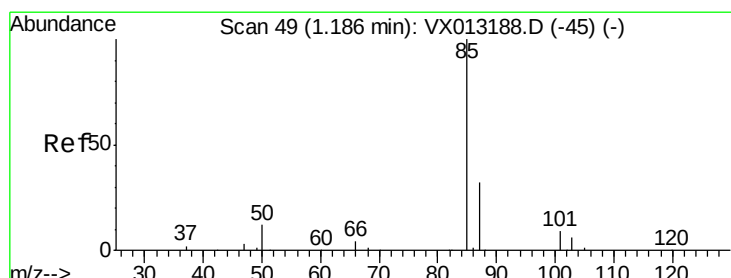
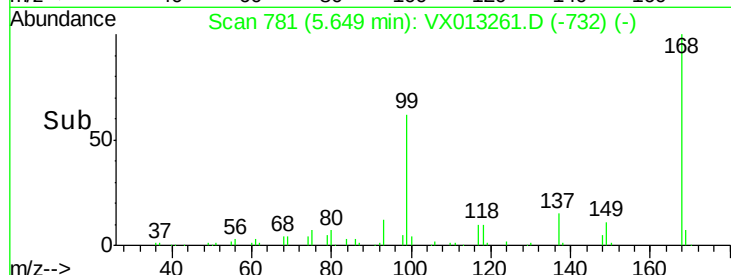
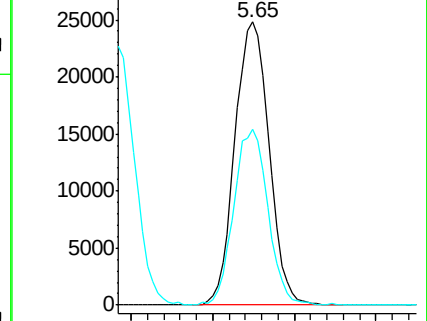
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10/30/2019 10:49:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 44.929 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013261.D

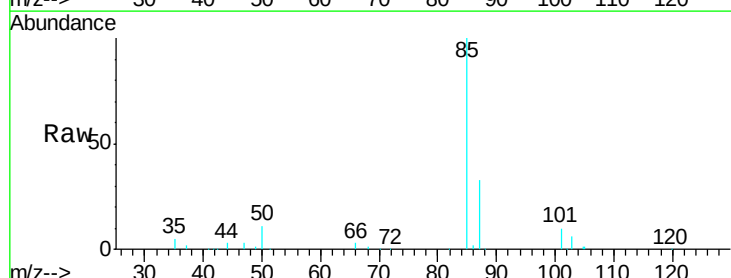
Acq: 29 Oct 2019 11:02

Tgt Ion: 85 Resp: 65430

Ion Ratio Lower Upper

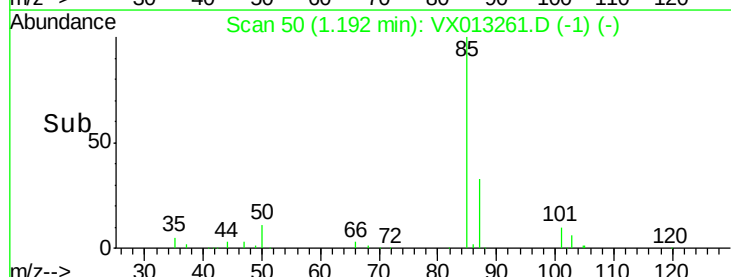
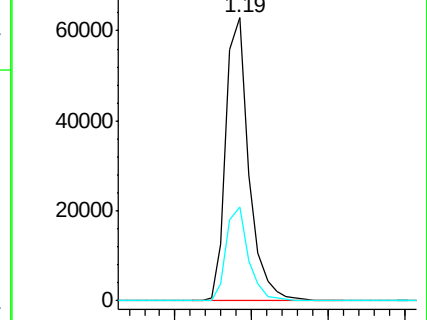
85 100

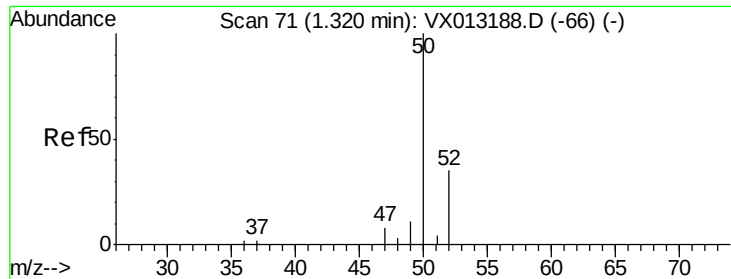
87 33.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.117 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 50322

Ion Ratio Lower Upper

50 100

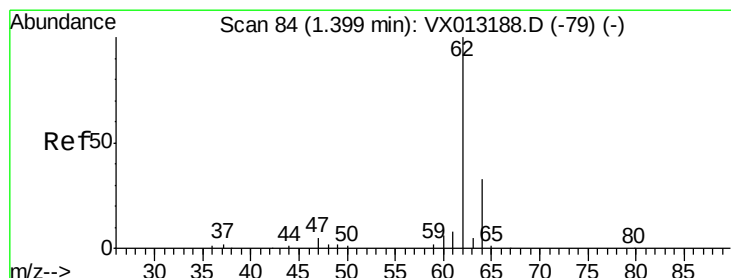
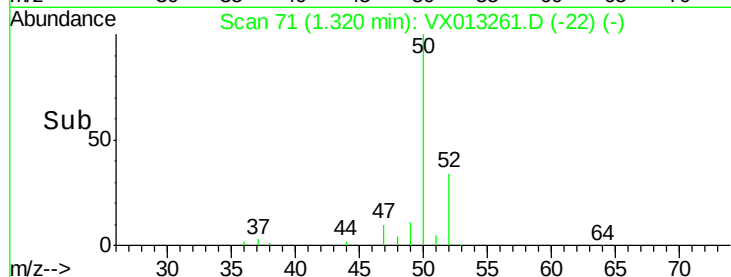
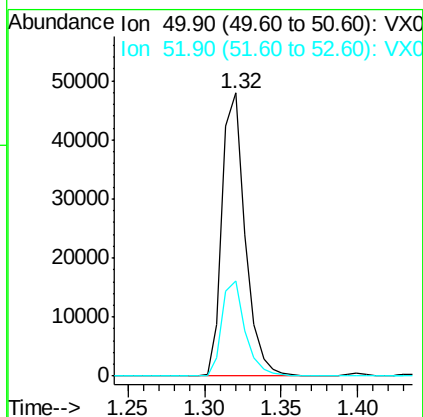
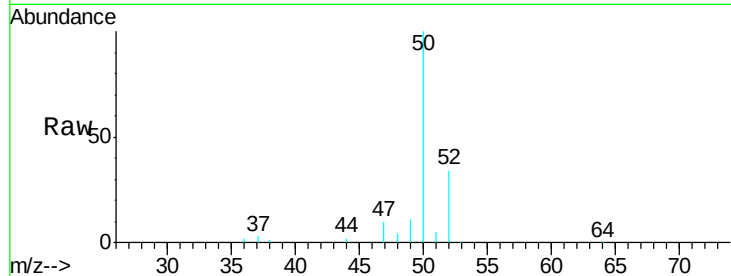
52 33.5 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.480 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013261.D

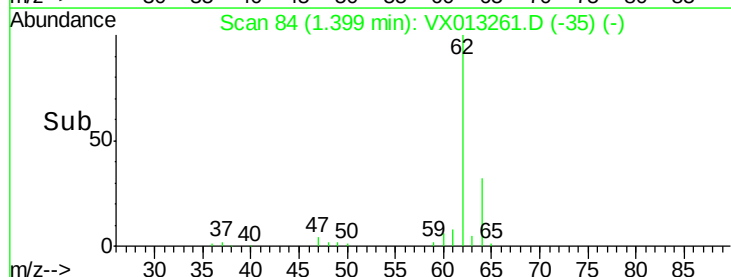
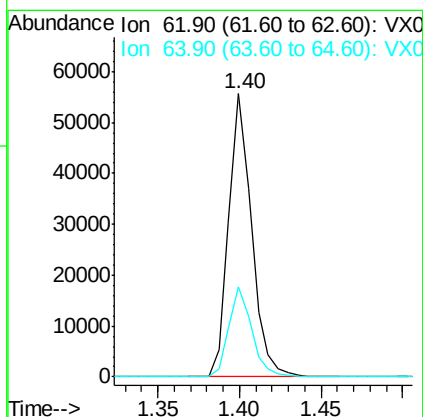
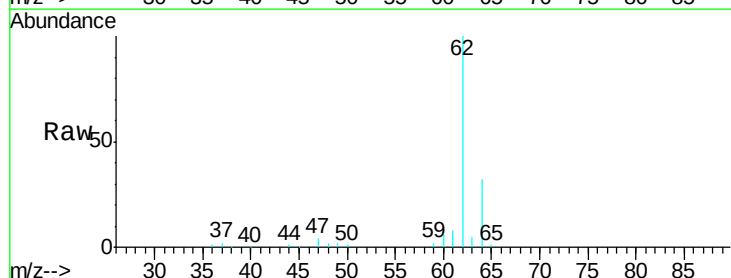
Acq: 29 Oct 2019 11:02

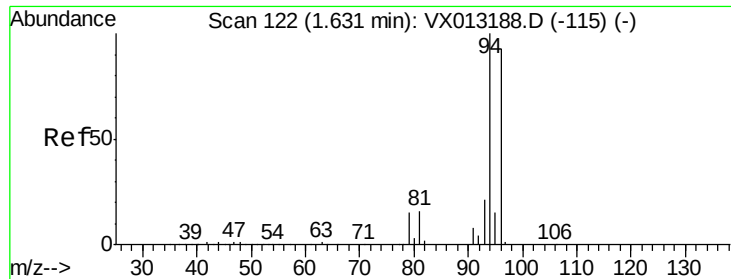
Tgt Ion: 62 Resp: 54364

Ion Ratio Lower Upper

62 100

64 32.0 26.4 39.6





#5

Bromomethane

Concen: 43.807 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 30431

Ion Ratio Lower Upper

94 100

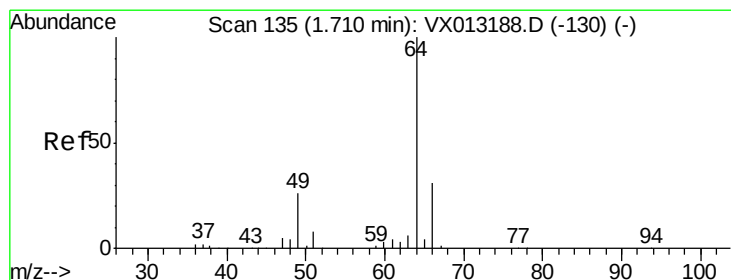
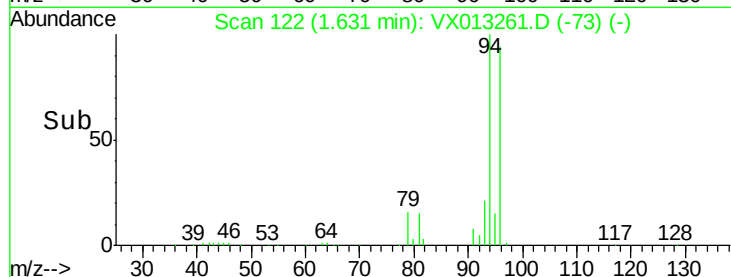
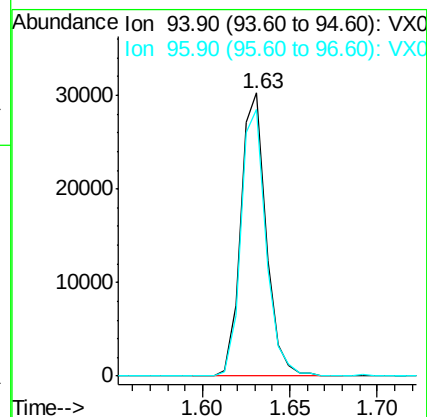
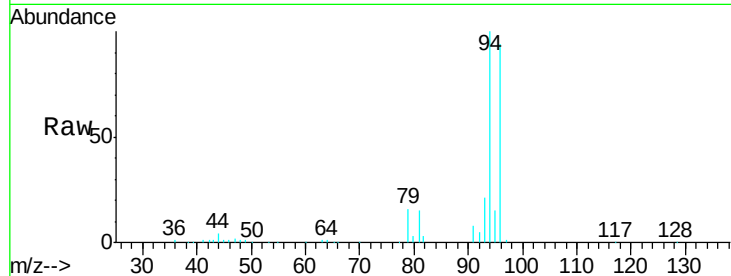
96 94.3 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 48.582 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013261.D

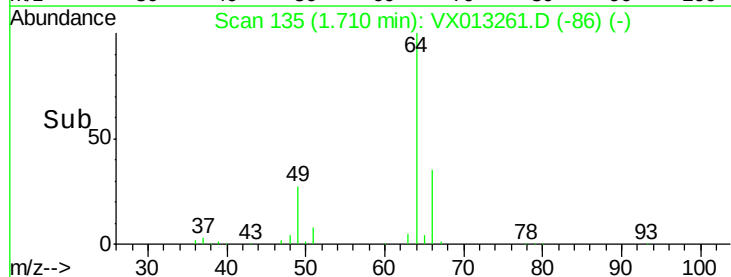
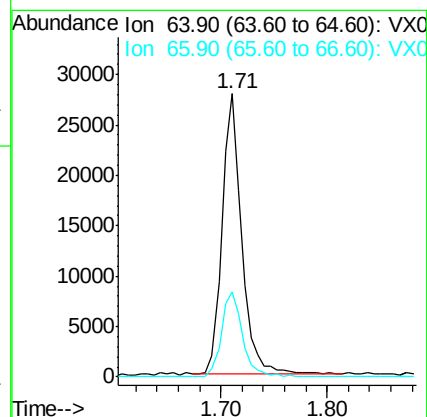
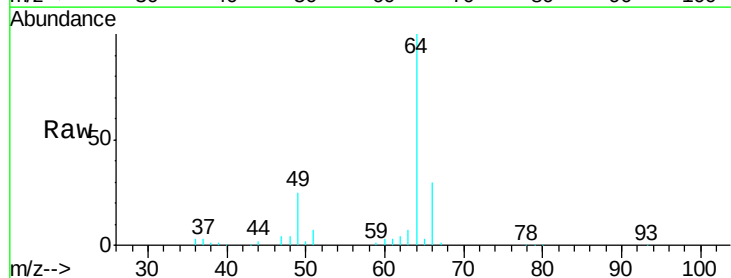
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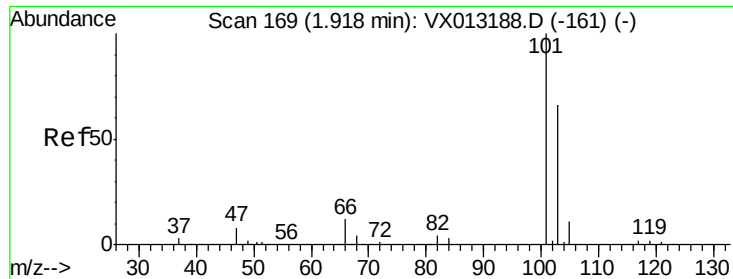
Tgt Ion: 64 Resp: 35686

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.6





#7

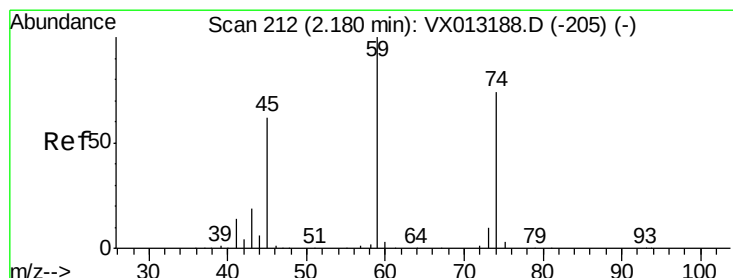
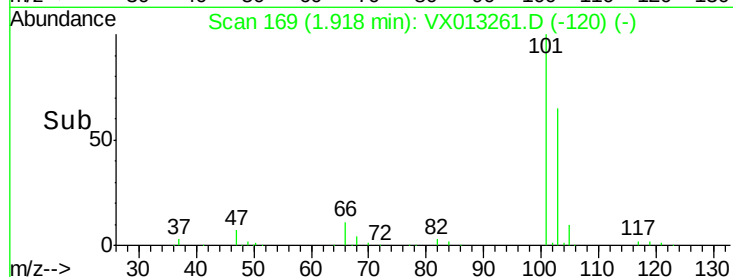
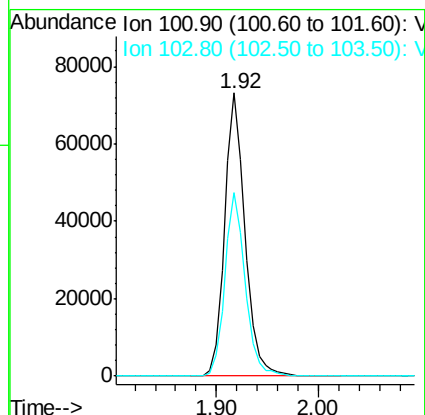
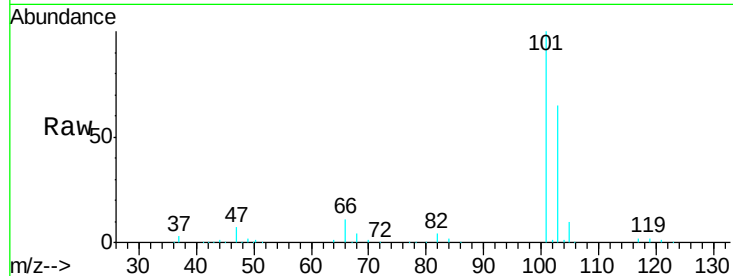
Trichlorofluoromethane
Concen: 49.130 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 101595
Ion Ratio Lower Upper
101 100
103 64.7 53.0 79.6

Manual Integrations
APPROVED

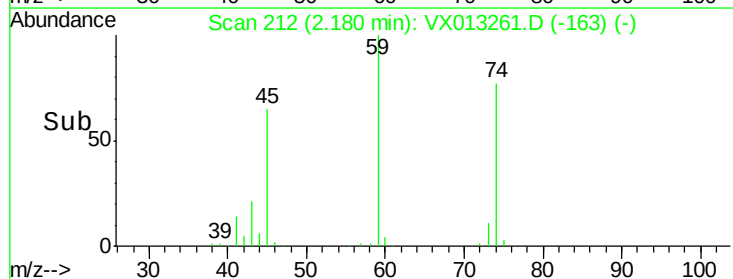
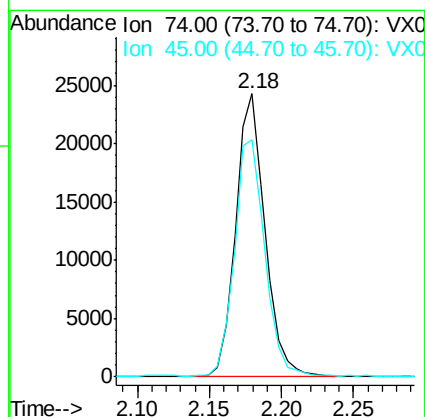
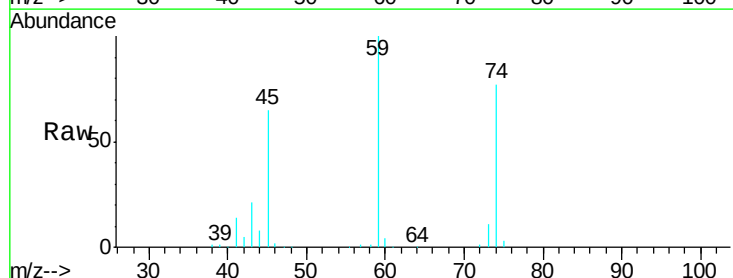
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10/30/2019 10:49:05 AM

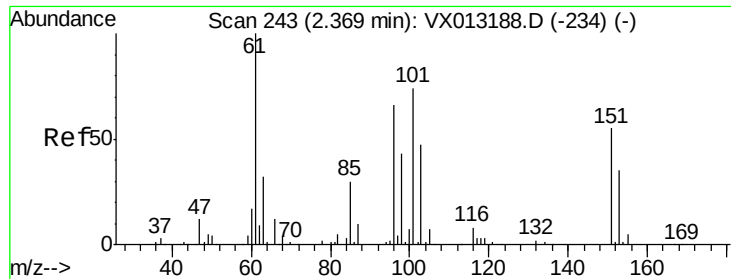


#8

Diethyl Ether
Concen: 48.594 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 74 Resp: 34468
Ion Ratio Lower Upper
74 100
45 88.0 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.836 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

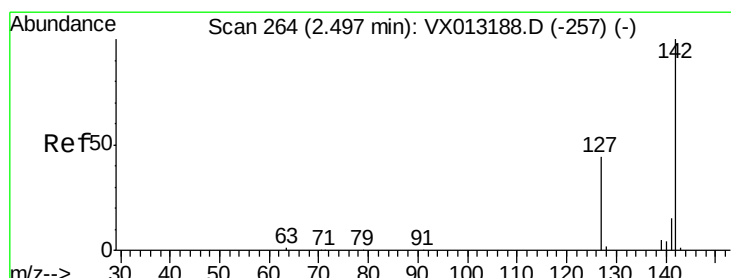
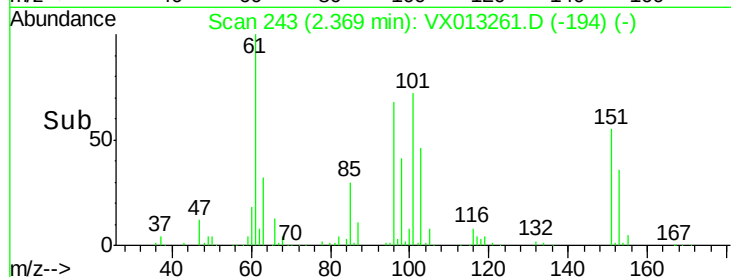
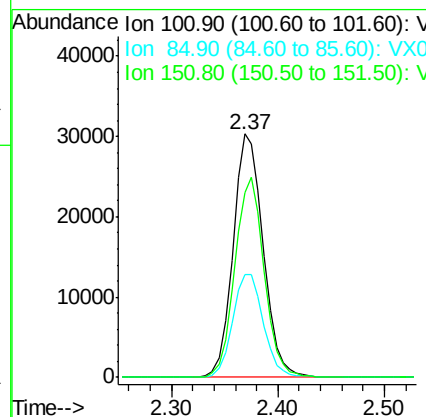
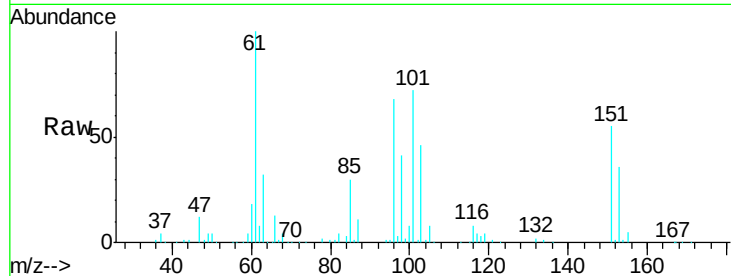
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	59987
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.0	51.0
151	80.2	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 45.458 ug/l

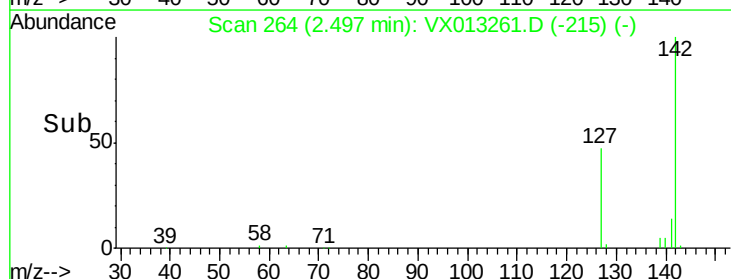
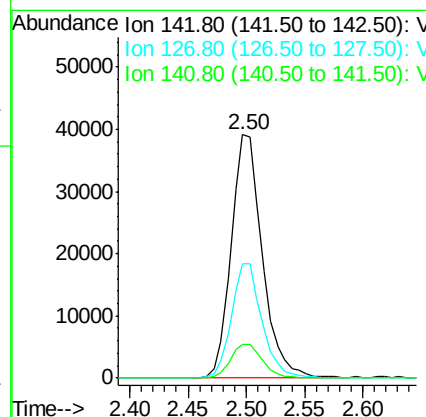
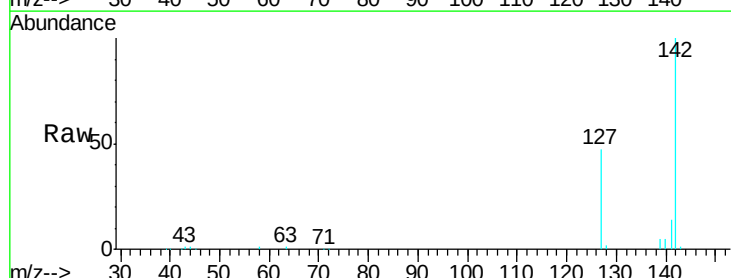
RT: 2.50 min Scan# 264

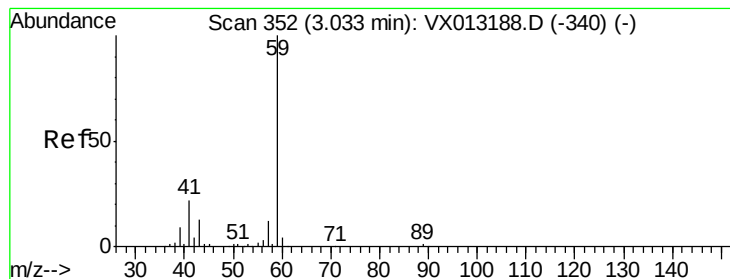
Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Tgt Ion:	142	Resp:	72793
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.6	53.4
141	14.3	11.6	17.4





#11

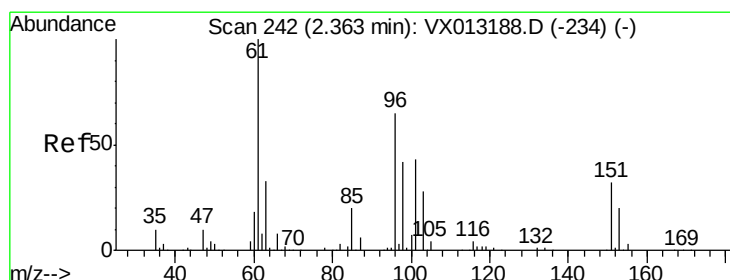
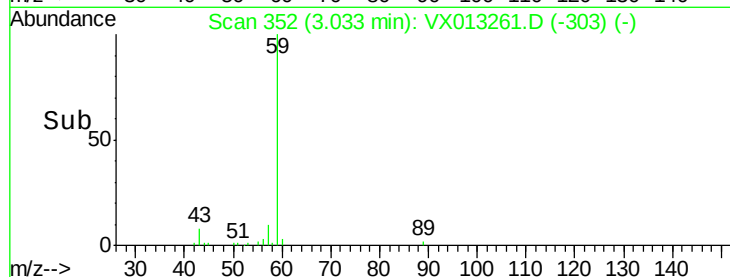
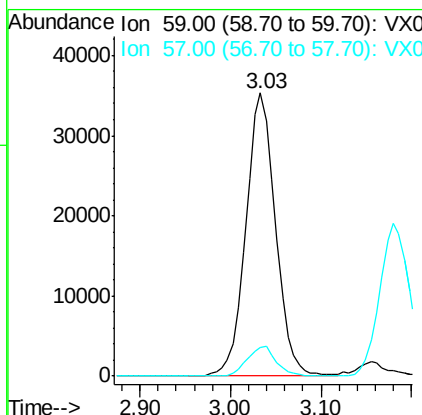
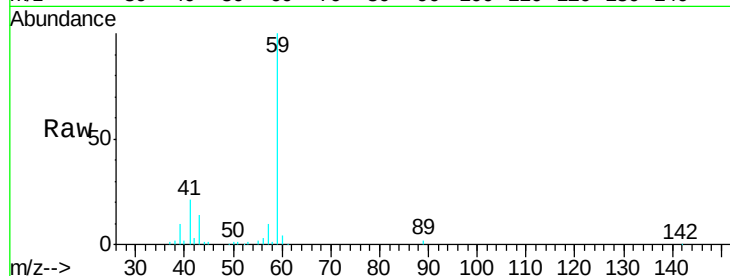
Tert butyl alcohol
 Concen: 244.078 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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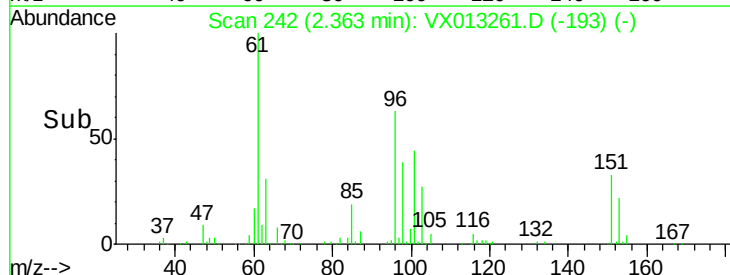
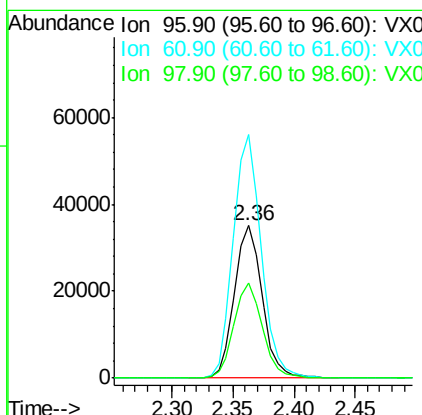
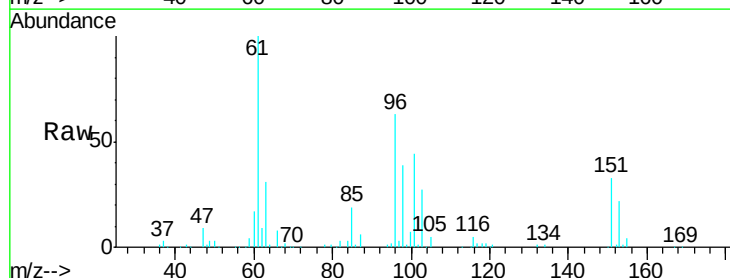
MMDadoda
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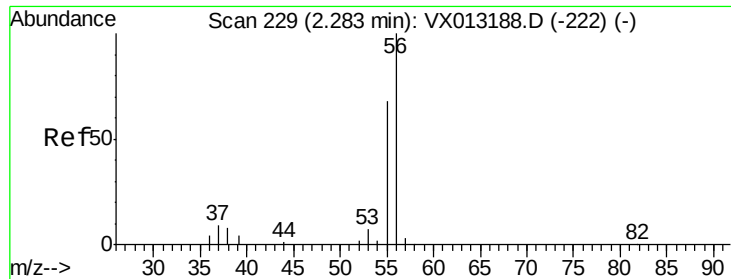


#12

1,1-Dichloroethene
 Concen: 44.944 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	123.8	185.8
98	62.5	51.6	77.4





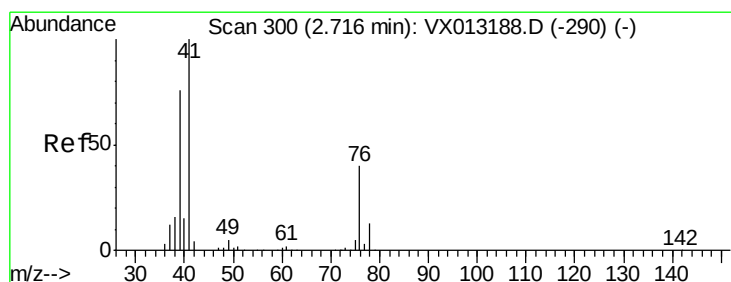
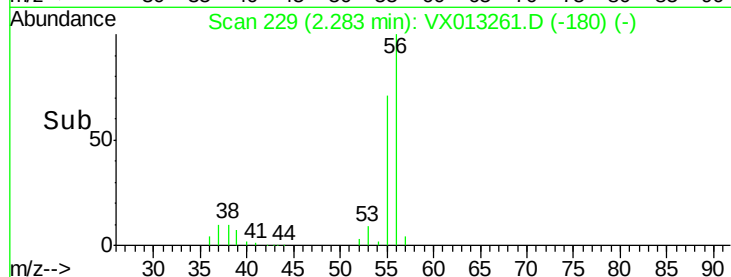
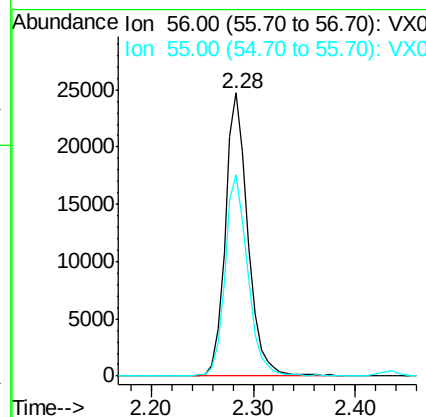
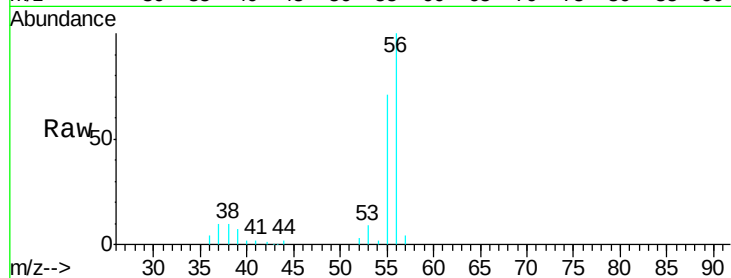
#13
Acrolein
Concen: 213.852 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.1	58.9	88.3

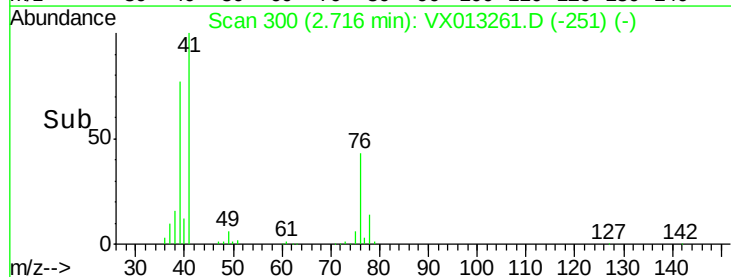
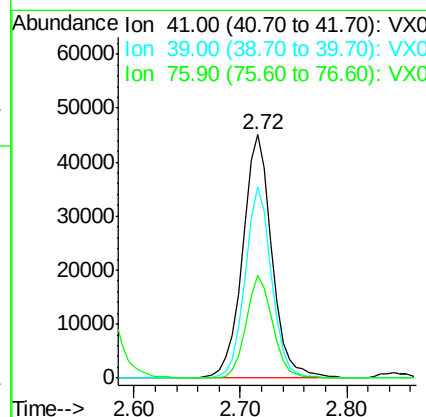
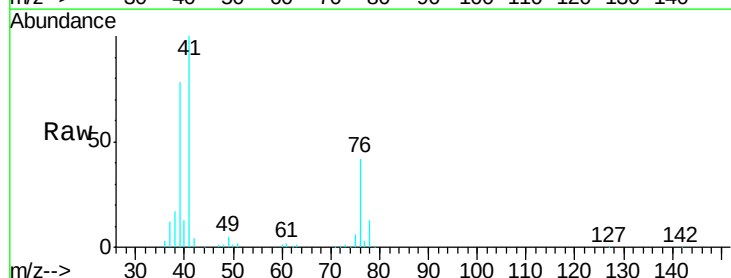
Manual Integrations
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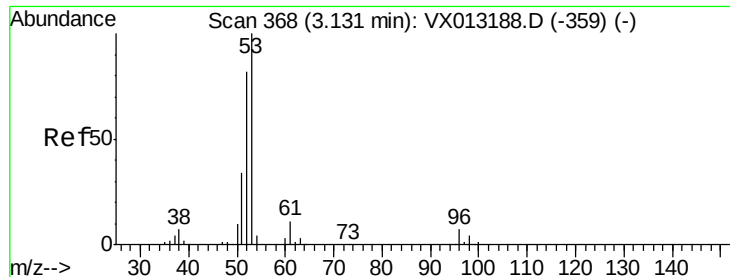
MMDadoda
10/30/2019 10:49:05 AM



#14
Allyl chloride
Concen: 45.057 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.2	54.6	81.8
76	38.2	29.8	44.6





#15

Acrylonitrile

Concen: 235.549 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

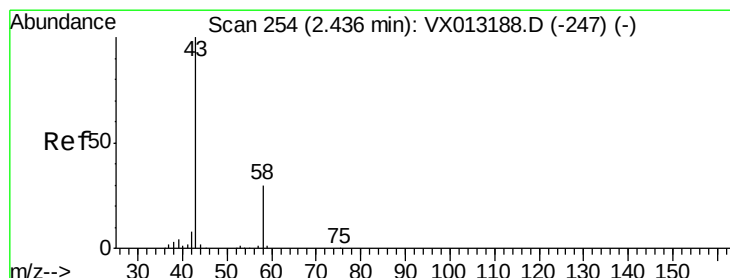
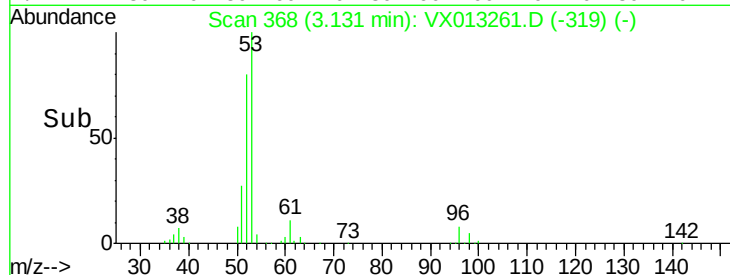
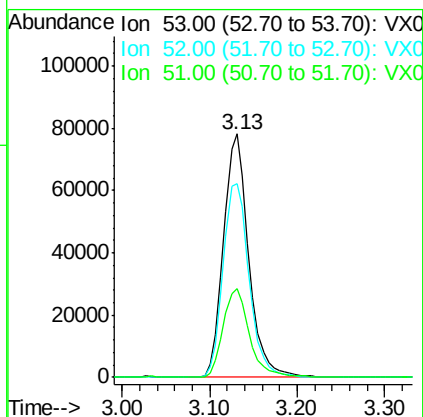
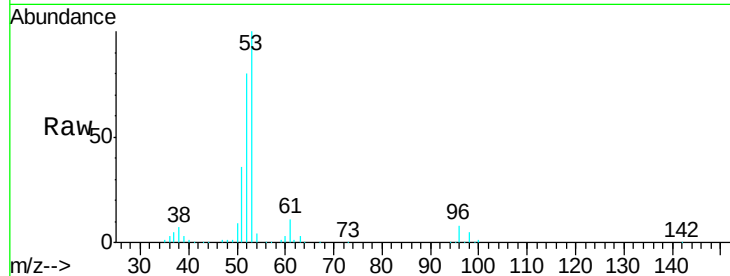
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	156727
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	37.8	29.4	44.2

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#16

Acetone

Concen: 265.702 ug/l

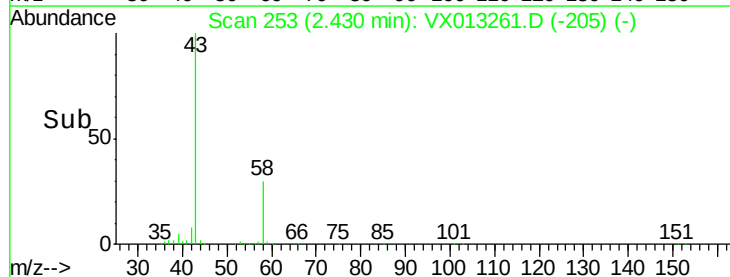
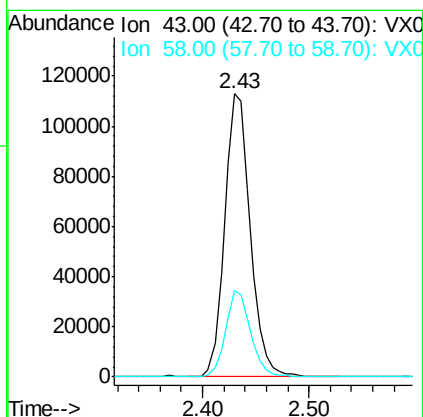
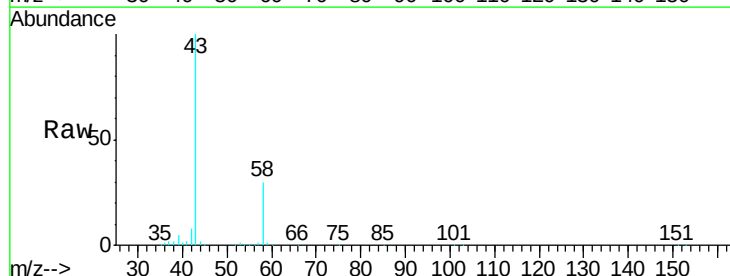
RT: 2.43 min Scan# 253

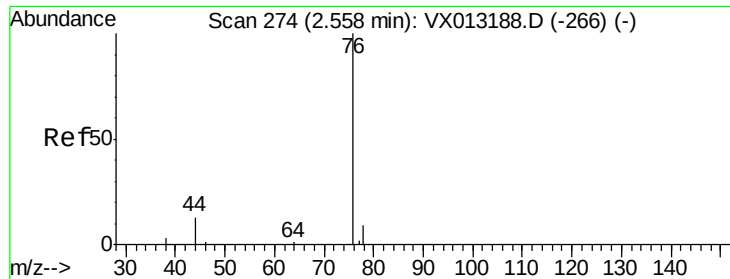
Delta R.T. -0.01 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Tgt Ion:	43	Resp:	188960
Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.8	35.6





#17

Carbon Disulfide

Concen: 41.710 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 137867

Ion Ratio Lower Upper

76 100

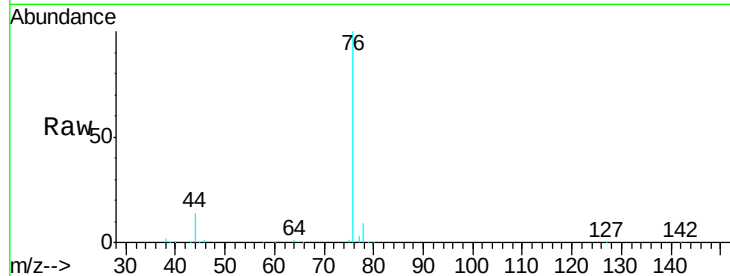
78 9.4 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

80000

60000

40000

20000

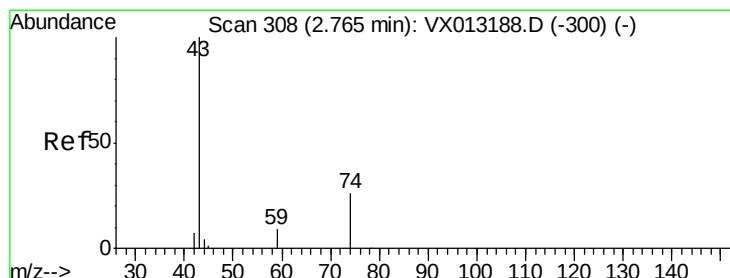
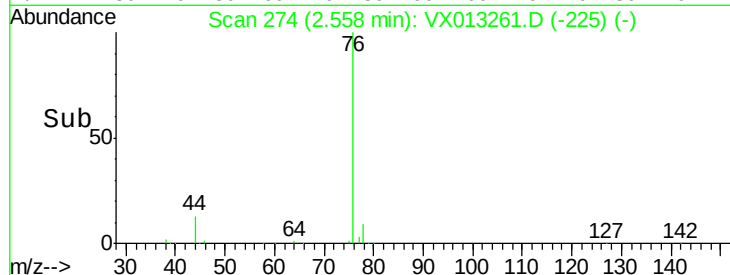
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 48.794 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX013261.D

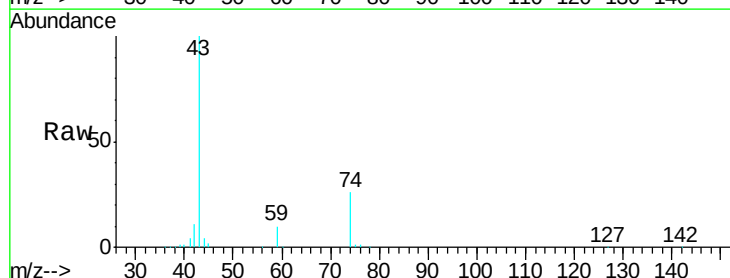
Acq: 29 Oct 2019 11:02

Tgt Ion: 43 Resp: 75735

Ion Ratio Lower Upper

43 100

74 26.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

50000

40000

30000

20000

10000

0

Time-->

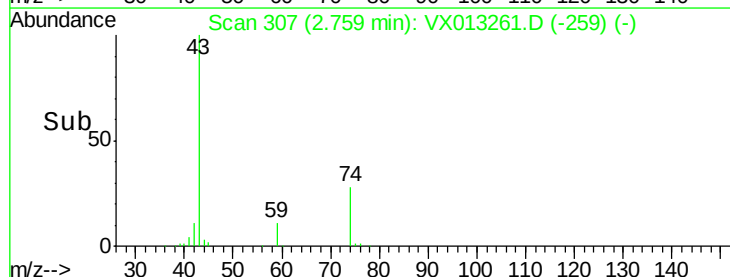
2.65

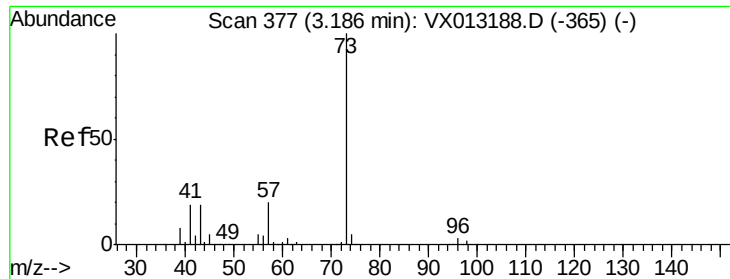
2.70

2.75

2.80

2.85





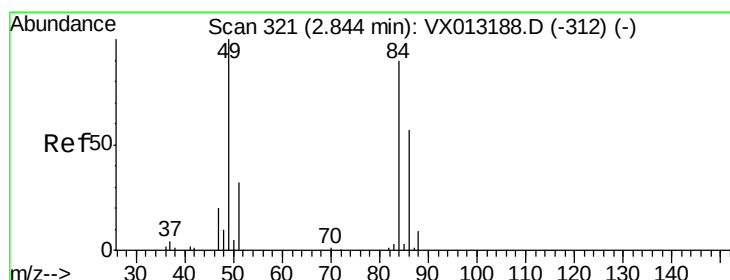
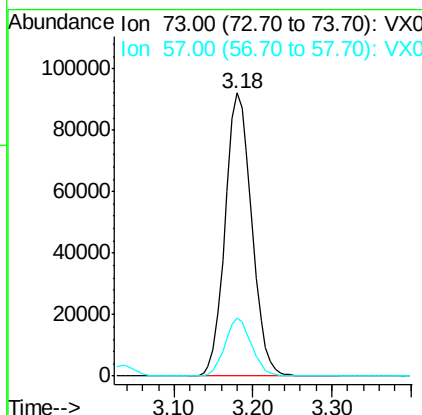
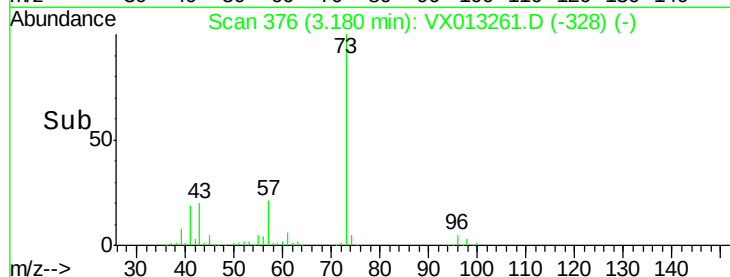
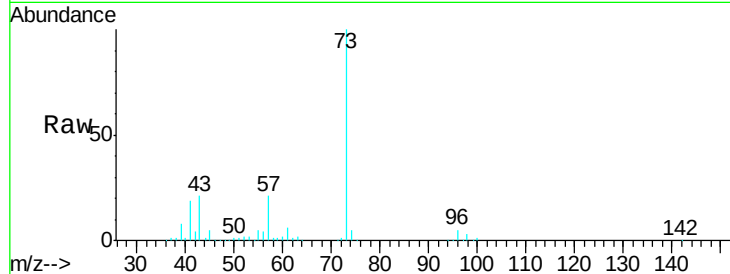
#19
Methyl tert-butyl Ether
Concen: 49.909 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 216085
Ion Ratio Lower Upper
73 100
57 20.6 15.8 23.8

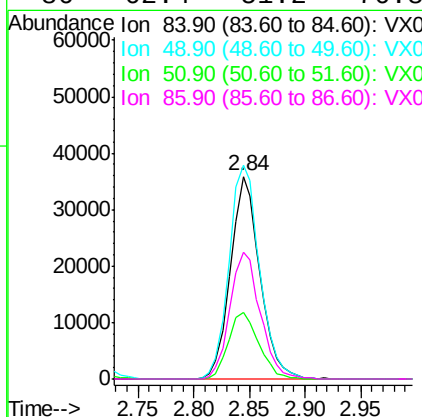
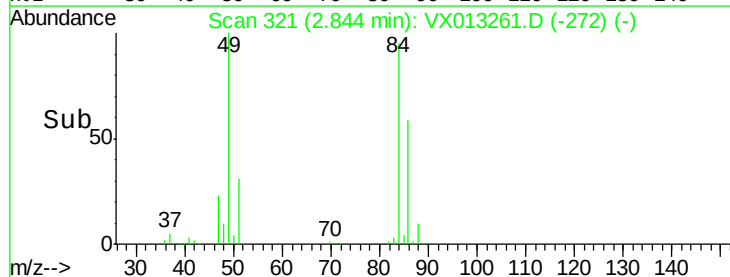
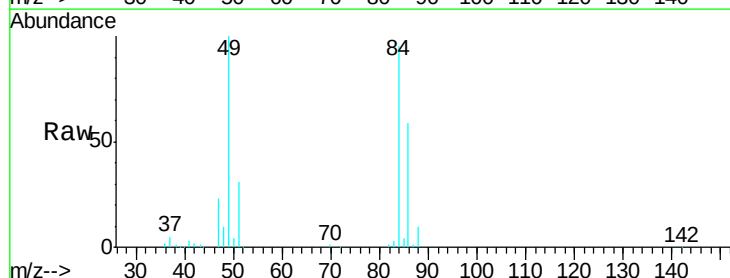
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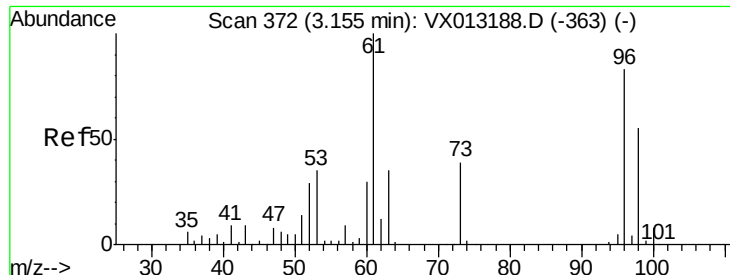
MMDadoda
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#20
Methylene Chloride
Concen: 49.479 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 84 Resp: 65799
Ion Ratio Lower Upper
84 100
49 105.6 89.2 133.8
51 33.2 28.8 43.2
86 62.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 48.361 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

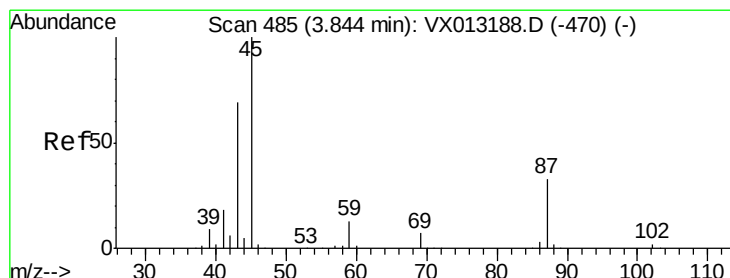
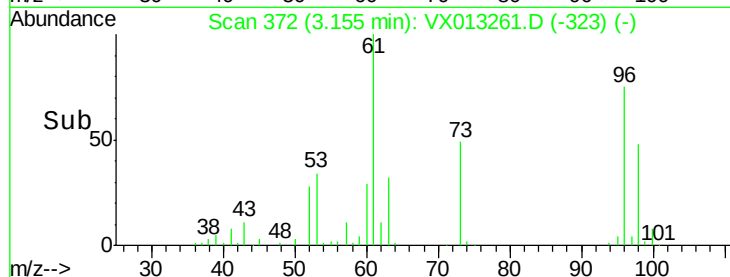
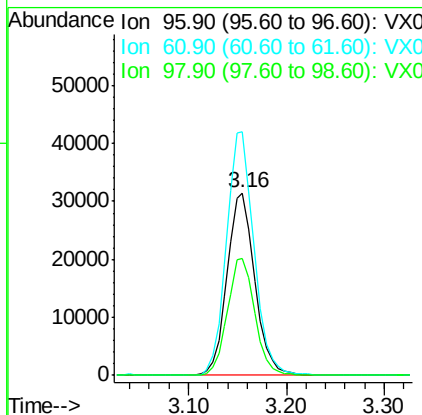
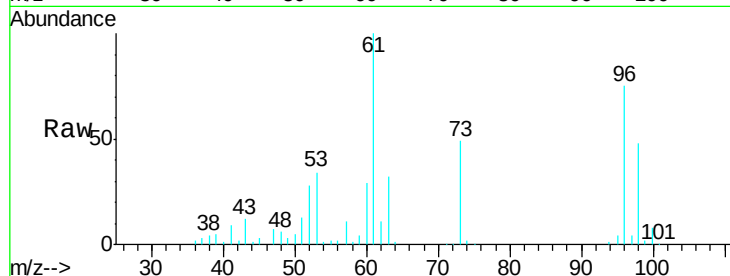
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	61845
Ion	Ratio	Lower	Upper
96	100		
61	133.2	96.9	145.3
98	63.7	53.0	79.4

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#22

Diisopropyl ether

Concen: 47.116 ug/l

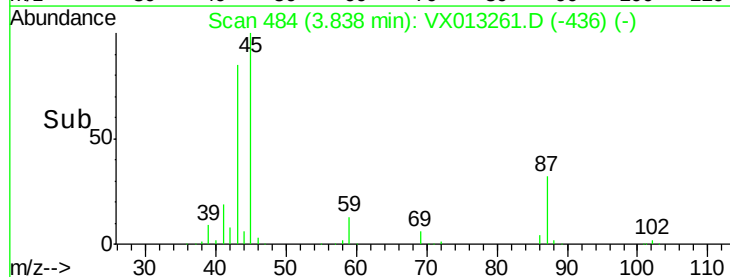
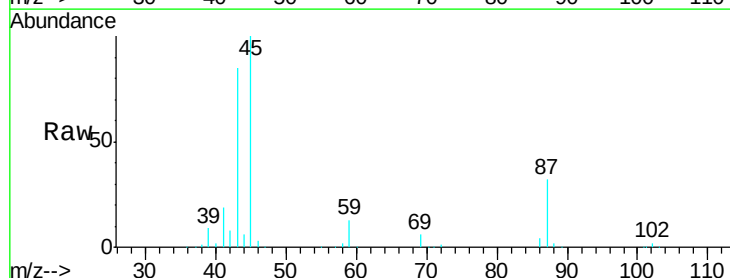
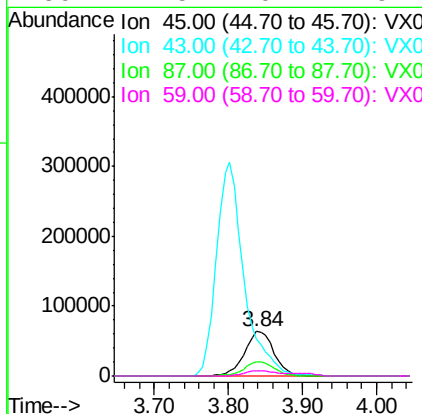
RT: 3.84 min Scan# 484

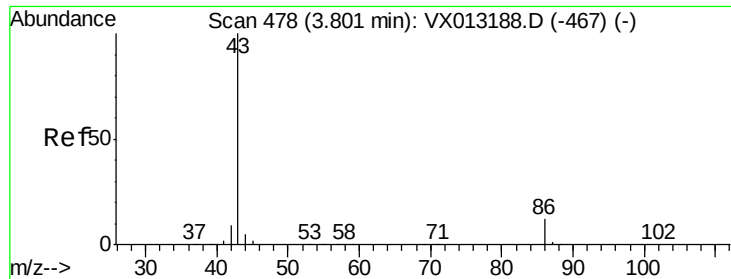
Delta R.T. -0.01 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Tgt Ion:	45	Resp:	178316
Ion	Ratio	Lower	Upper
45	100		
43	84.5	55.5	83.3#
87	31.6	26.7	40.1
59	12.5	10.2	15.2





#23

Vinyl Acetate

Concen: 244.675 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 787058

Ion Ratio Lower Upper

43 100

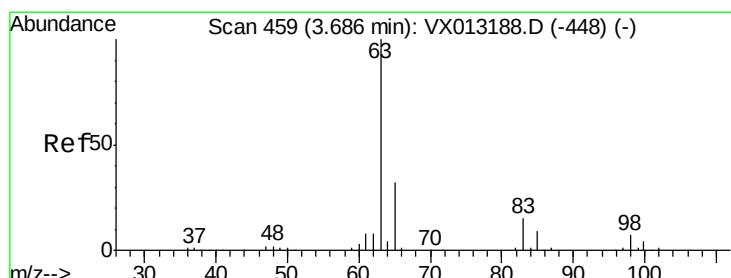
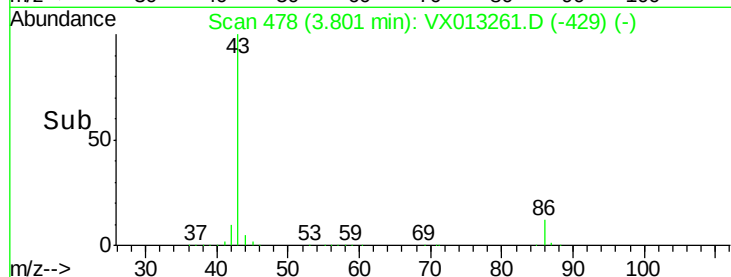
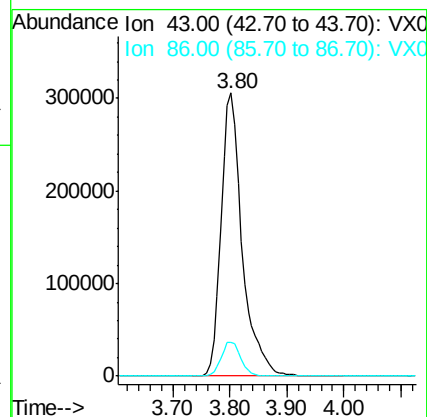
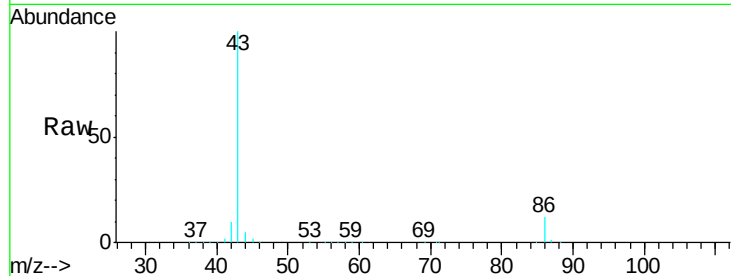
86 12.0 9.7 14.5

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#24

1,1-Dichloroethane

Concen: 47.204 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

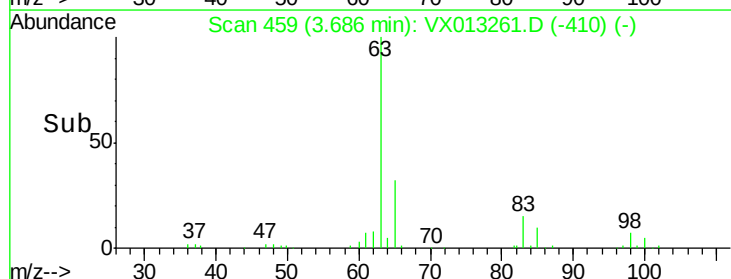
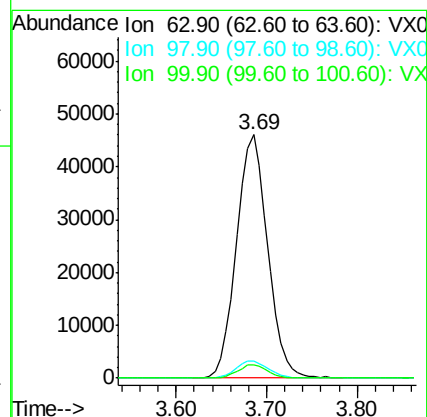
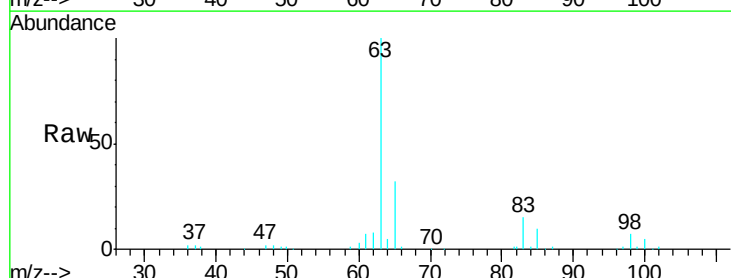
Tgt Ion: 63 Resp: 109884

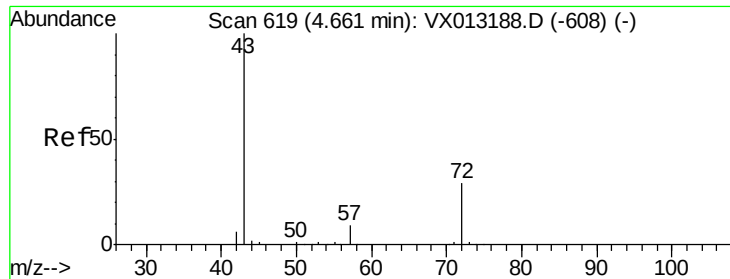
Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.2

100 5.3 2.2 6.6





#25

2-Butanone

Concen: 241.605 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 230432

Ion Ratio Lower Upper

43 100

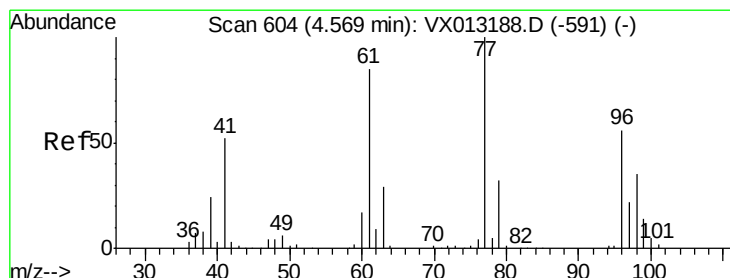
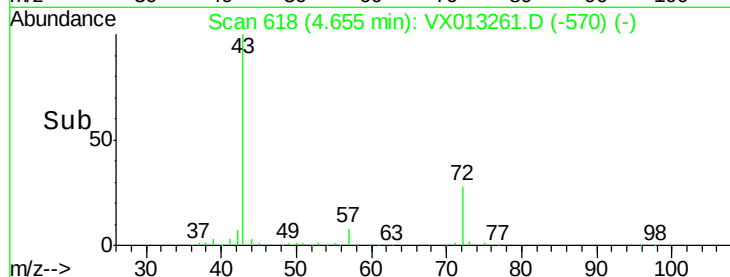
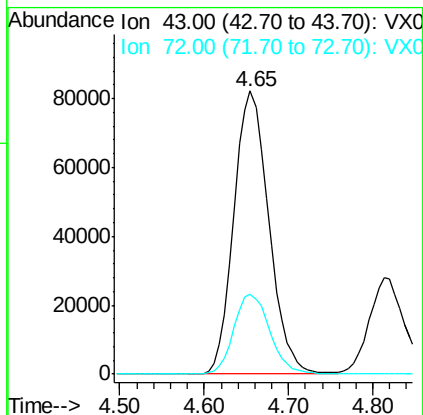
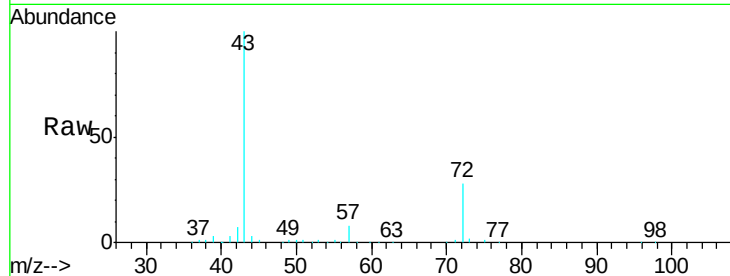
72 28.1 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.967 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013261.D

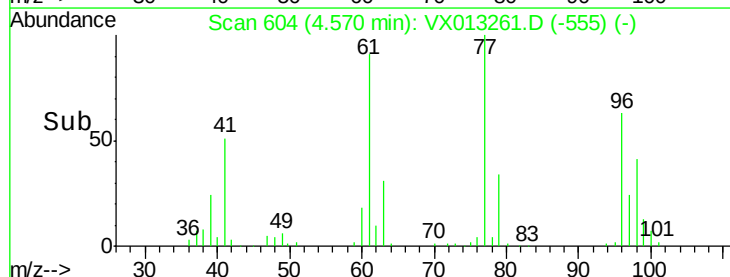
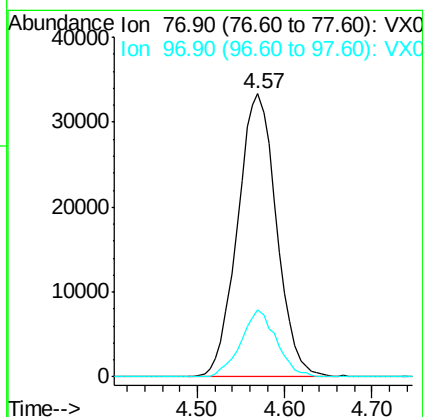
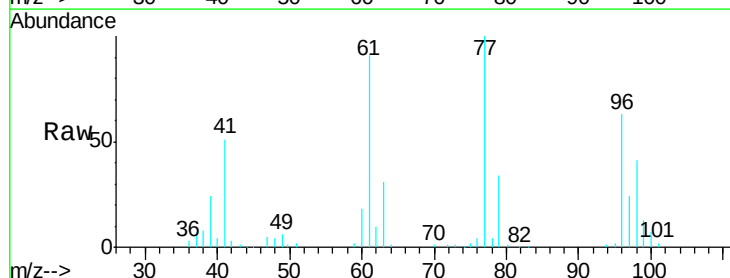
Acq: 29 Oct 2019 11:02

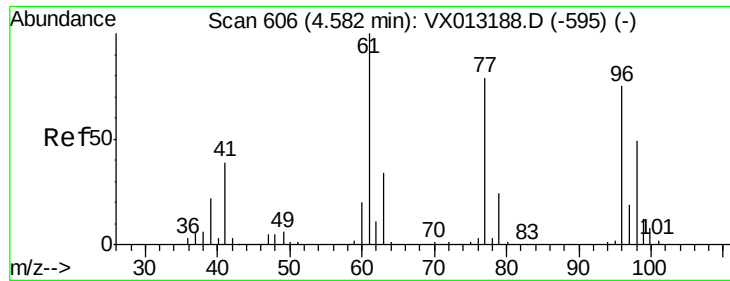
Tgt Ion: 77 Resp: 103197

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.6





#27

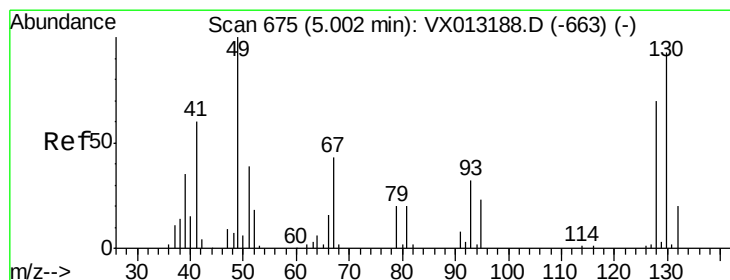
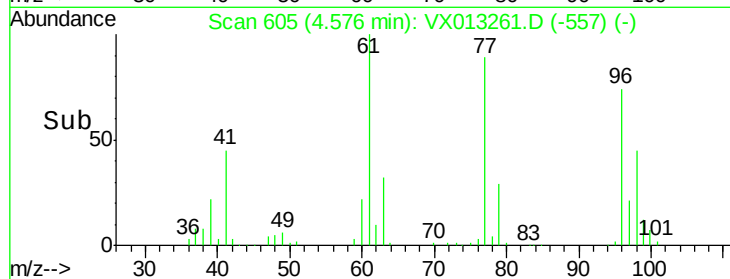
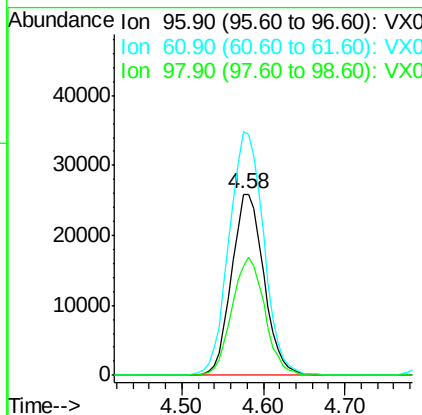
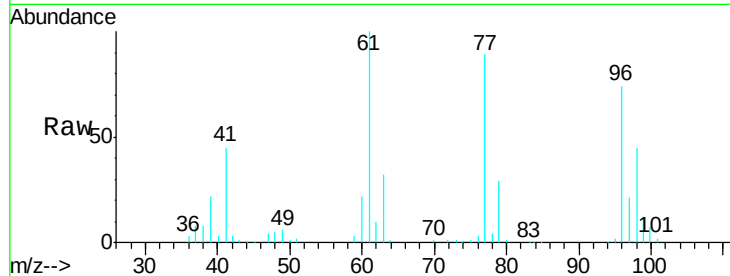
cis-1,2-Dichloroethene
Concen: 47.178 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	71037		
61	144.1	0.0	290.4	
98	65.7	0.0	130.4	

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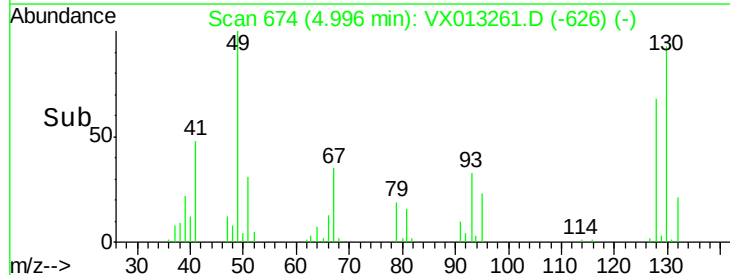
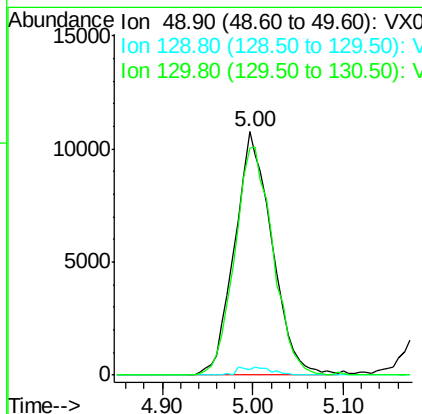
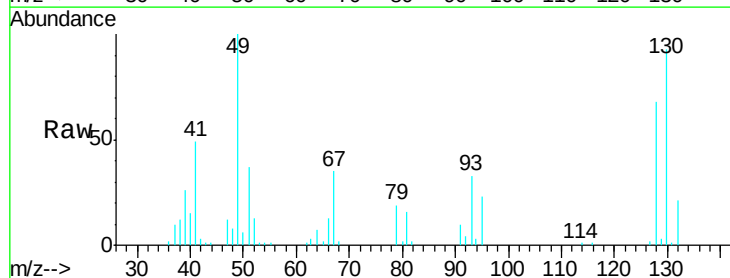
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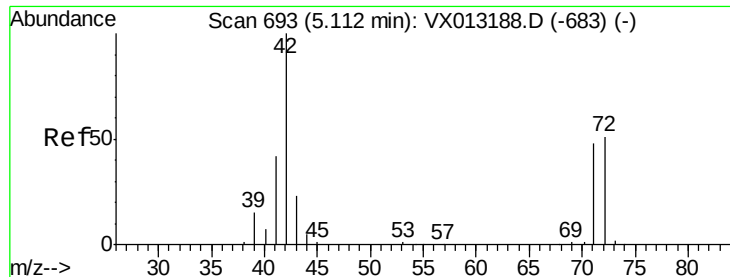


#28

Bromochloromethane
Concen: 51.303 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30795		
129	1.1	0.0	4.8	
130	95.4	71.8	107.8	





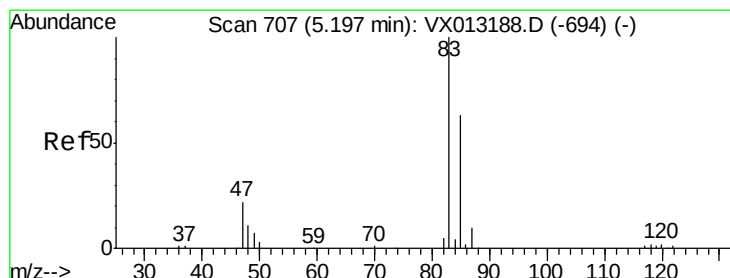
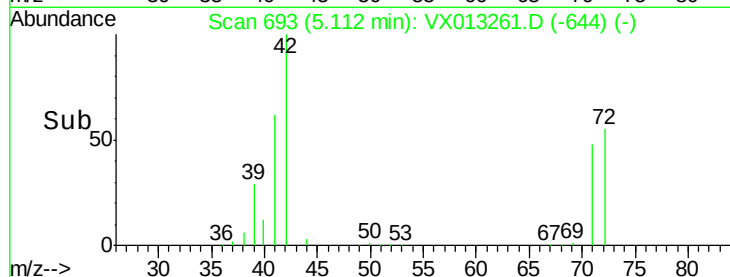
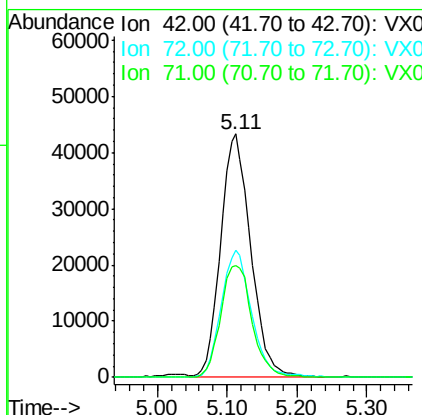
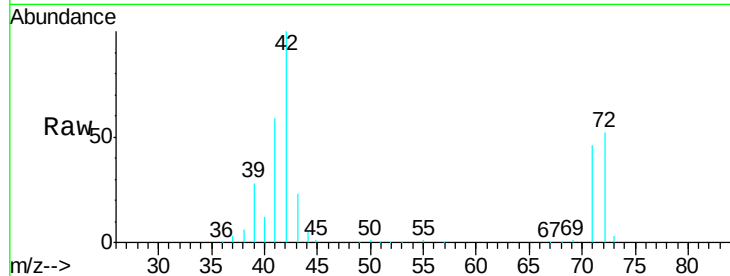
#29
Tetrahydrofuran
Concen: 224.732 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	52.9	40.9	61.3
71	47.9	38.6	57.8

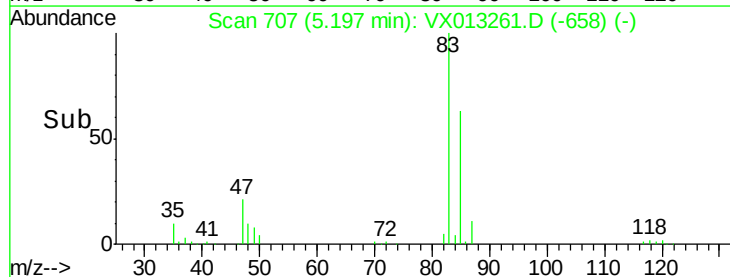
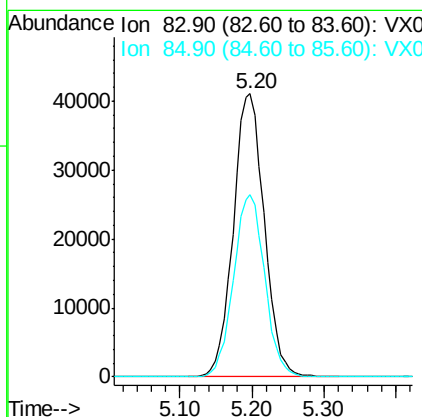
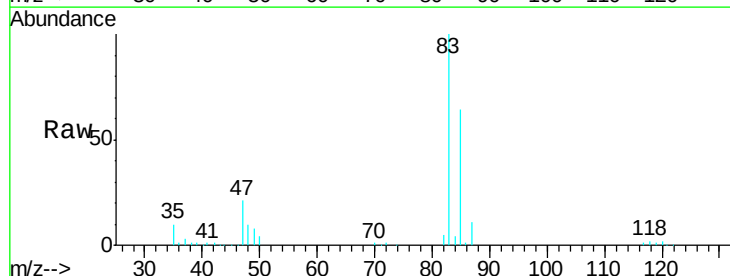
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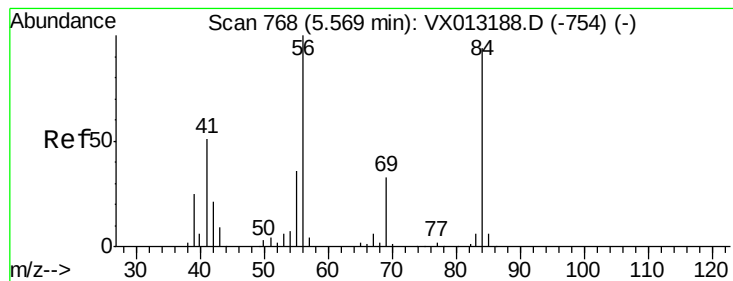
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#30
Chloroform
Concen: 49.477 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.1	75.1





#31

Cyclohexane

Concen: 45.326 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

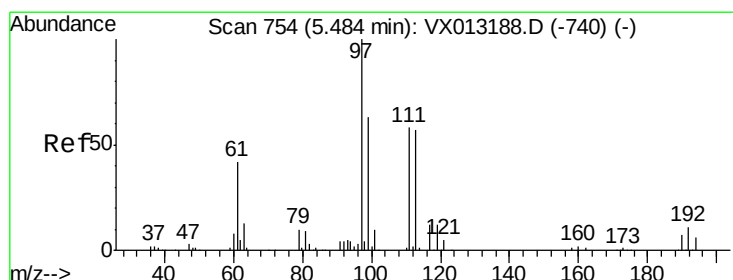
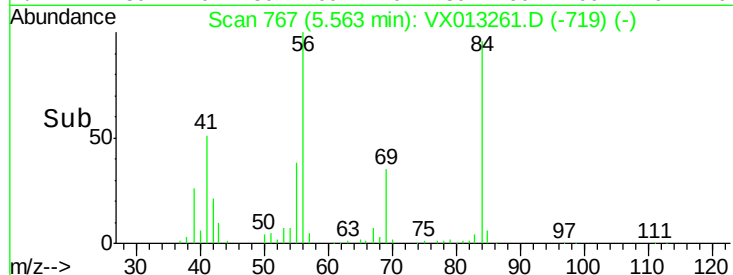
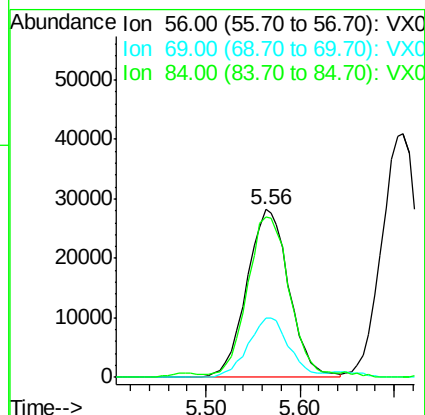
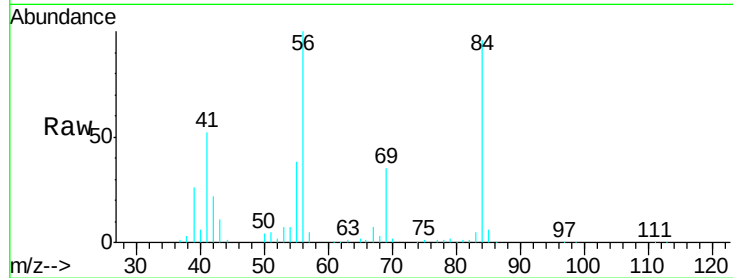
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	88487
Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.3	39.5
84	93.7	73.8	110.6

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#32

1,1,1-Trichloroethane

Concen: 49.588 ug/l

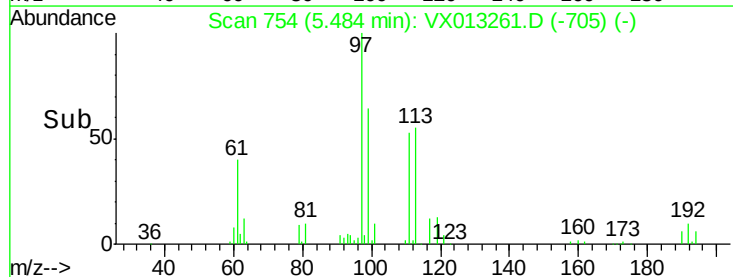
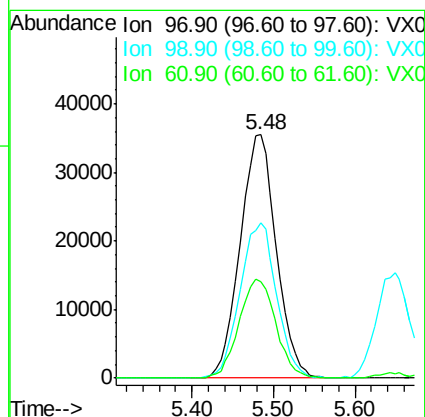
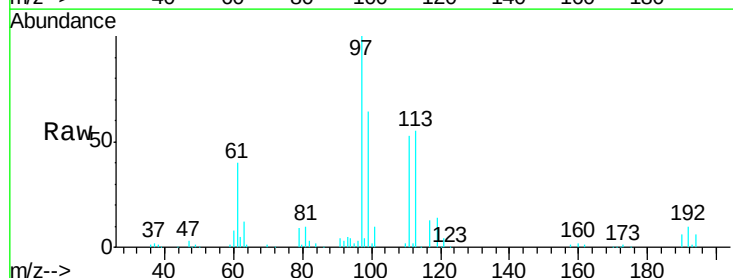
RT: 5.48 min Scan# 754

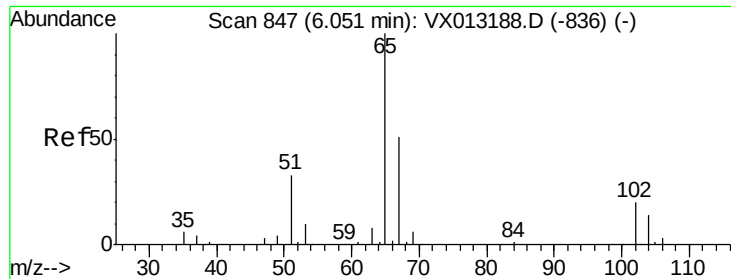
Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Tgt Ion:	97	Resp:	109278
Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	41.4	32.8	49.2





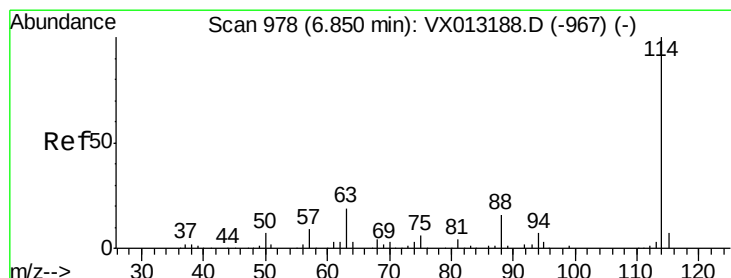
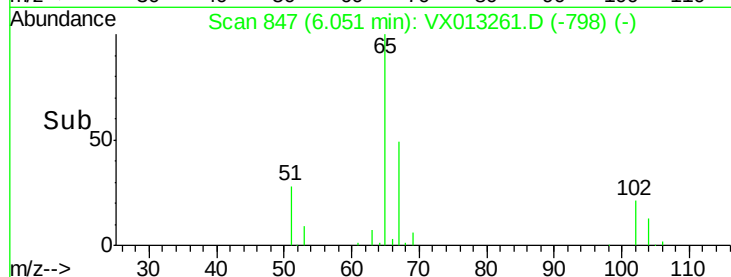
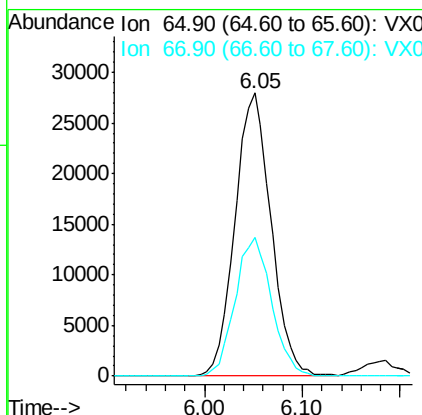
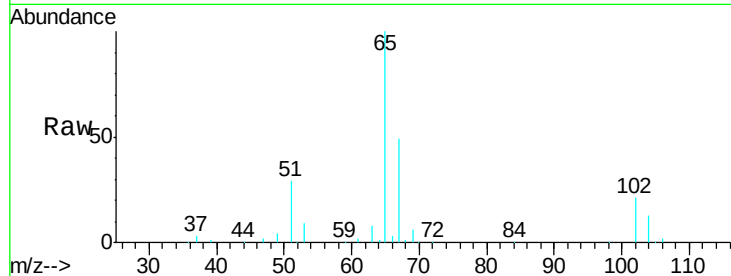
#33
 1,2-Dichloroethane-d4
 Concen: 47.399 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 71550
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 102.6

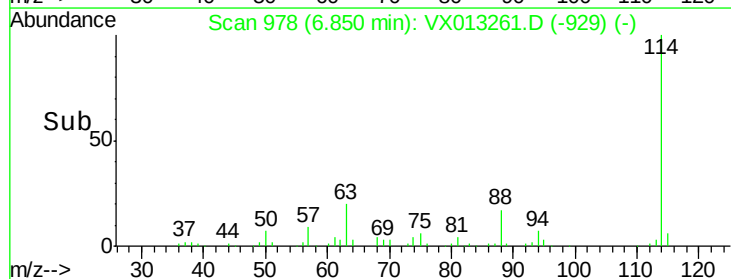
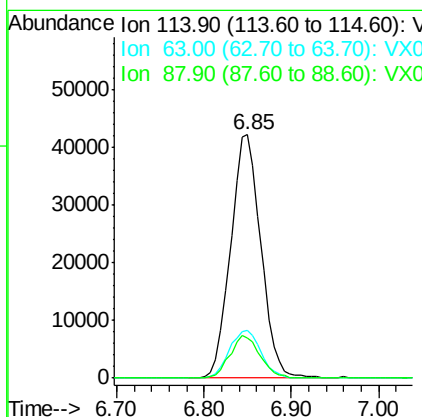
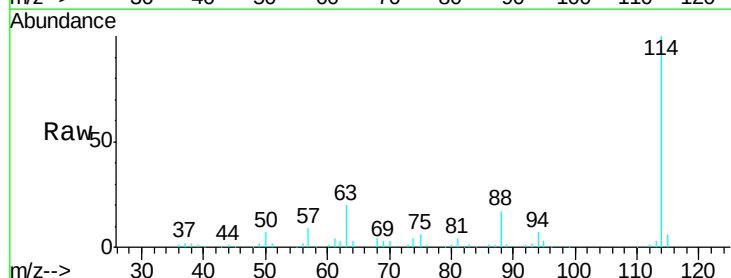
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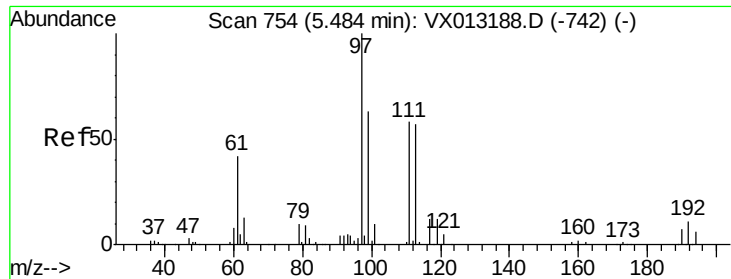
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion: 114 Resp: 101566
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 16.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.768 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

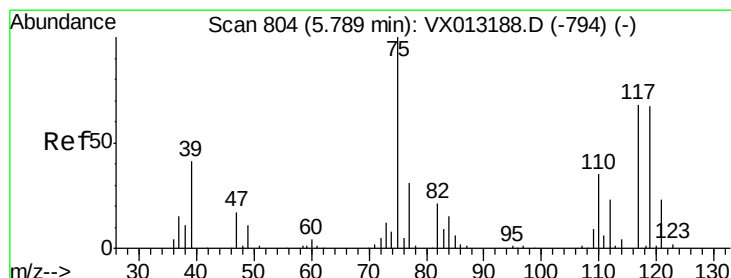
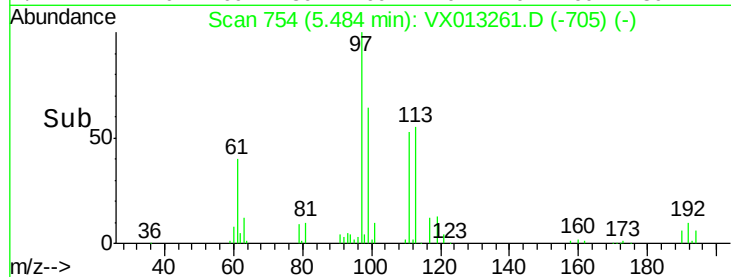
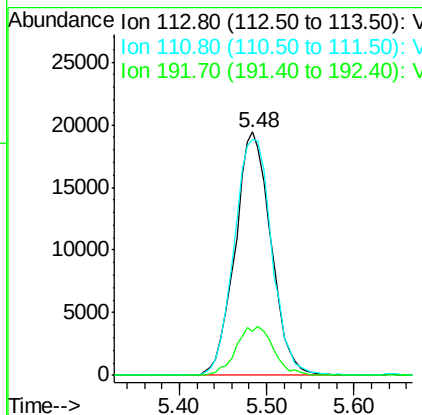
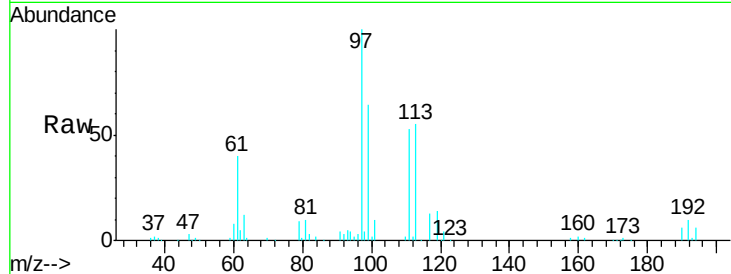
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	55235
Ion Ratio	Lower	Upper	
113	100		
111	102.1	80.3	120.5
192	20.9	15.9	23.9

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#36

1,1-Dichloropropene

Concen: 49.080 ug/l

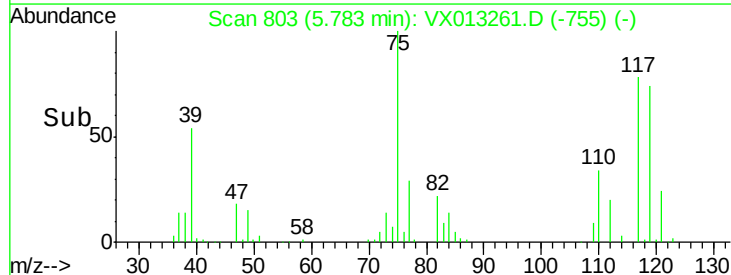
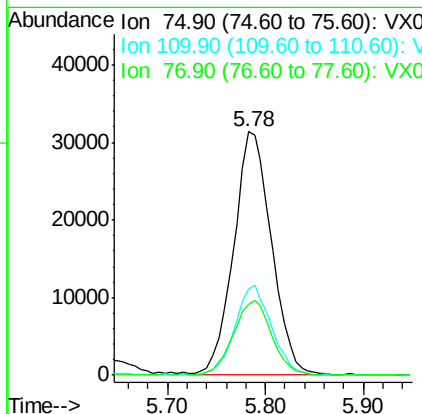
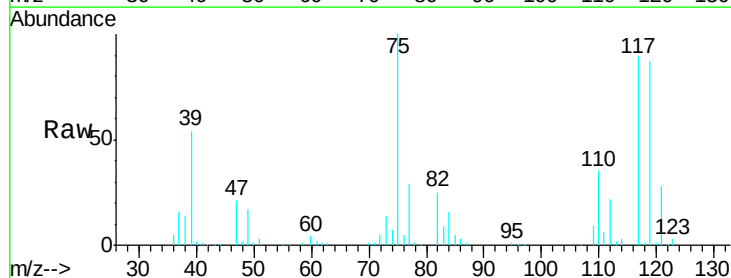
RT: 5.78 min Scan# 803

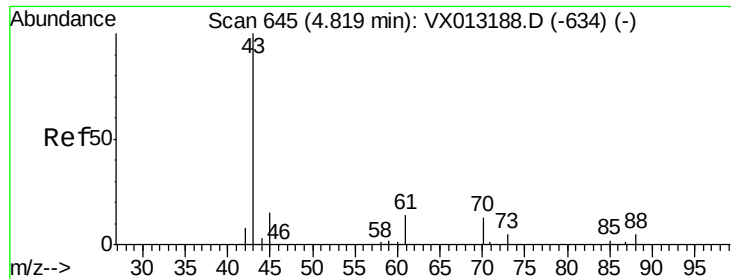
Delta R.T. -0.01 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Tgt Ion:	75	Resp:	83444
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.6	52.9
77	31.4	24.7	37.1





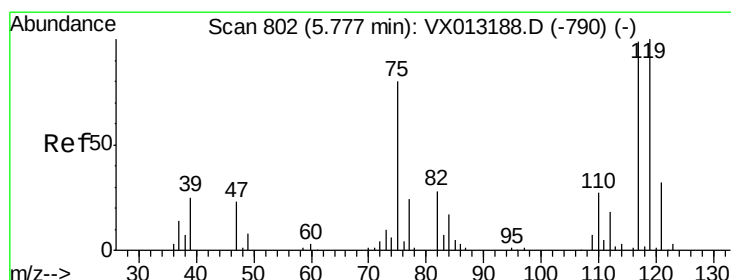
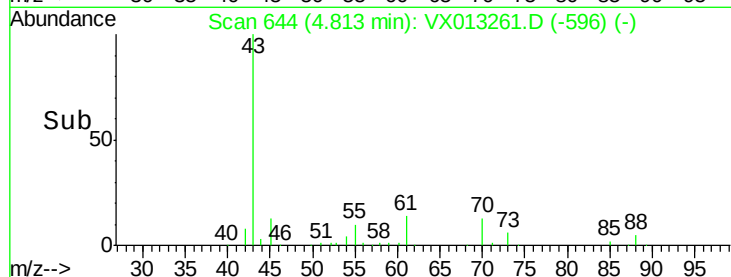
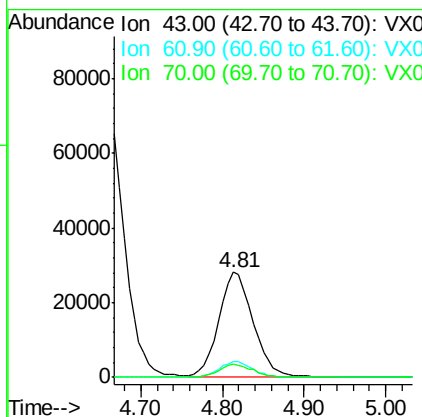
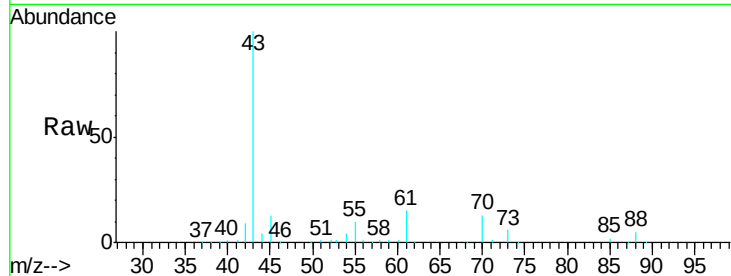
#37
Ethyl Acetate
Concen: 48.175 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 81537
Ion Ratio Lower Upper
43 100
61 14.6 12.1 18.1
70 12.7 10.4 15.6

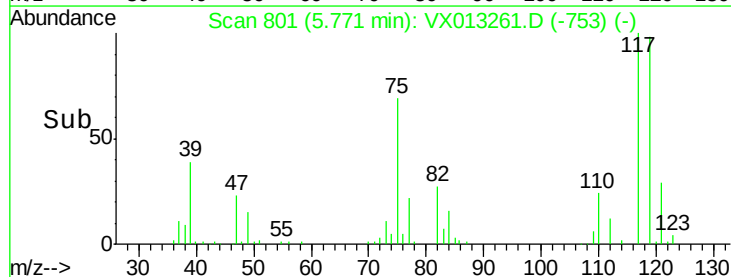
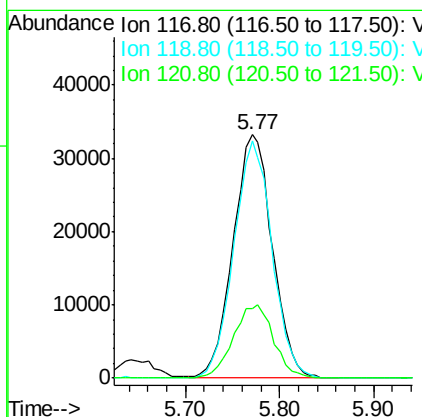
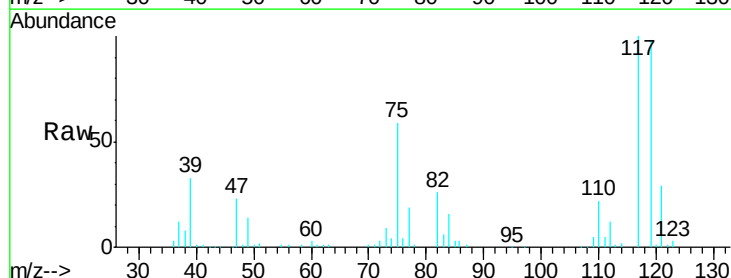
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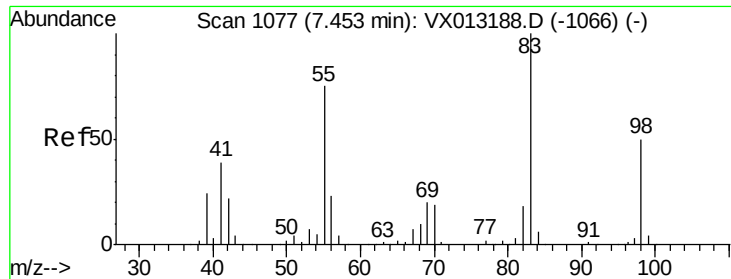
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#38
Carbon Tetrachloride
Concen: 51.535 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 117 Resp: 96748
Ion Ratio Lower Upper
117 100
119 97.6 80.1 120.1
121 28.7 25.5 38.3





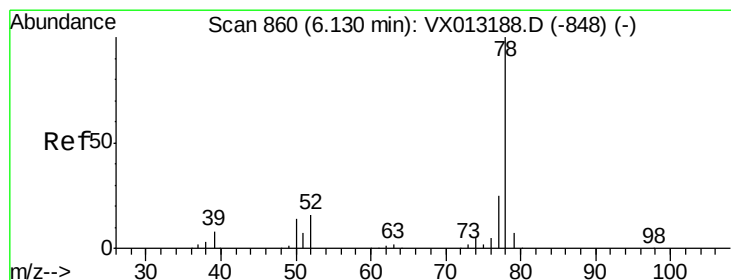
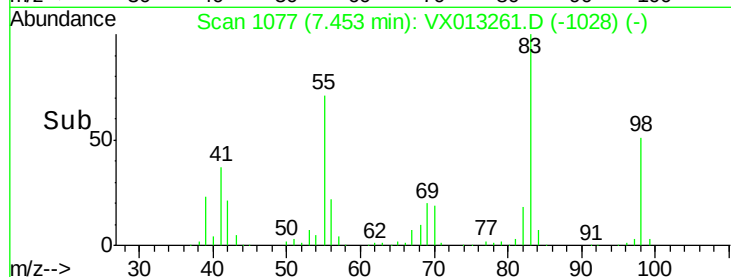
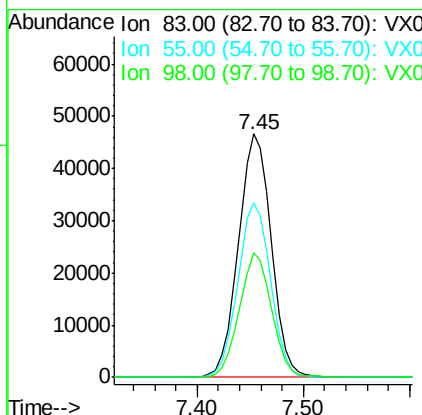
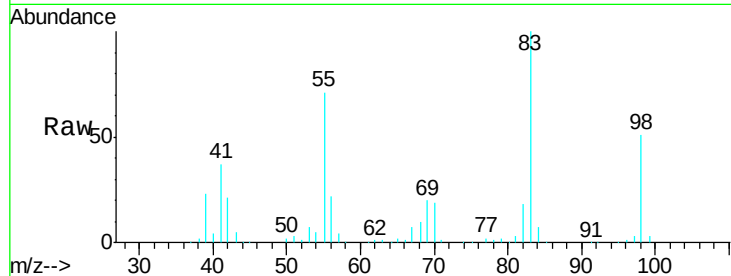
#39
Methylcyclohexane
Concen: 46.571 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.4	60.1	90.1	
98	51.4	39.8	59.8	

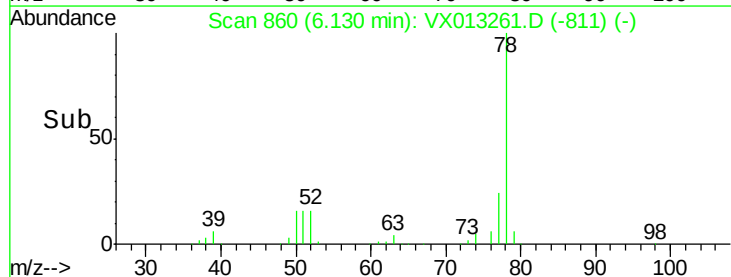
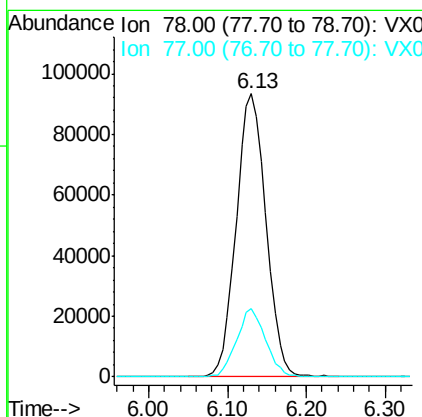
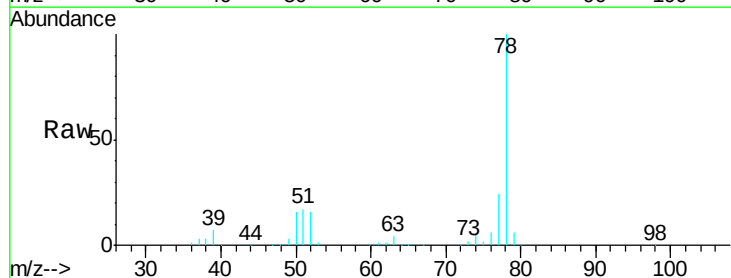
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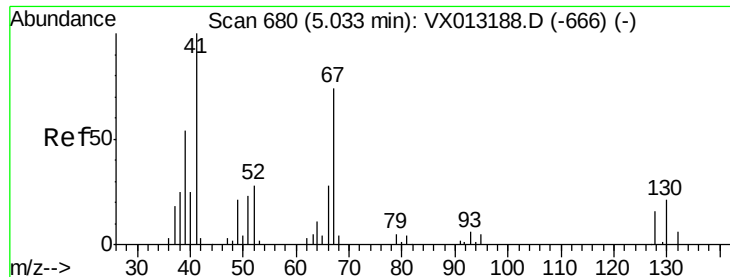
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#40
Benzene
Concen: 48.155 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.6	29.4	





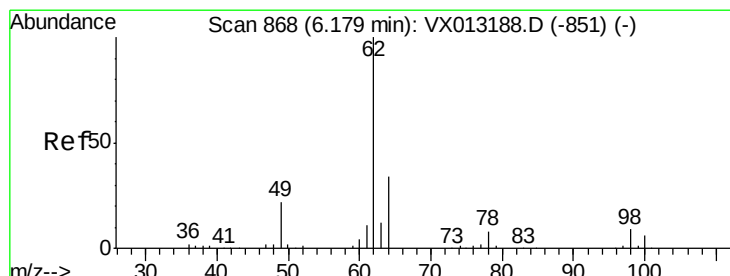
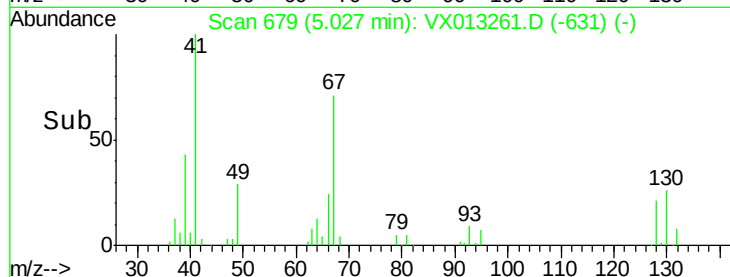
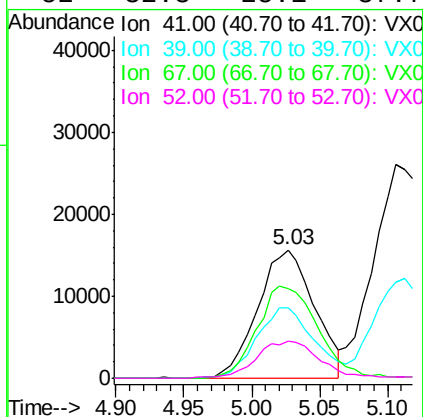
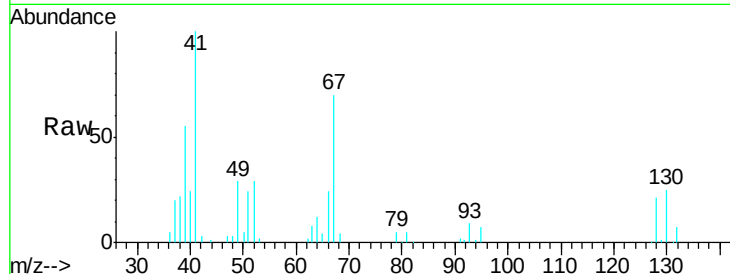
#41
Methacrylonitrile
Concen: 50.241 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.2	67.8
67	76.8	61.3	91.9
52	32.3	25.1	37.7

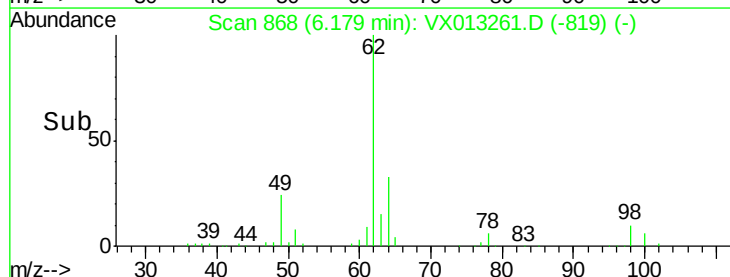
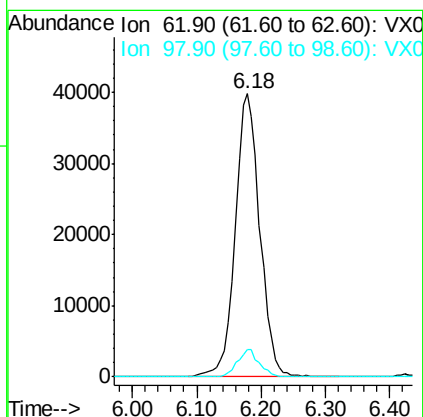
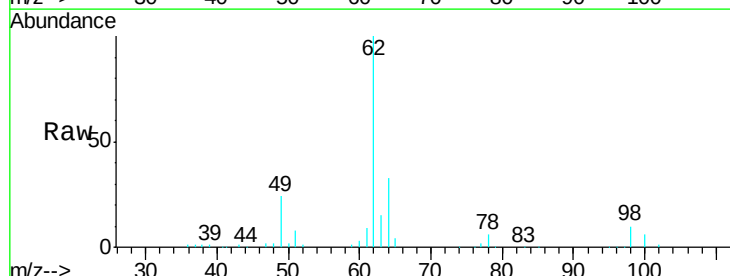
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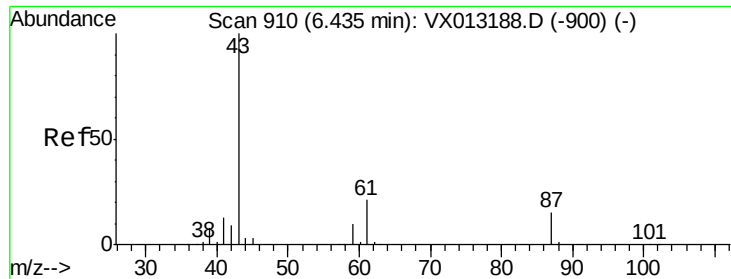
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#42
1,2-Dichloroethane
Concen: 54.586 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4





#43

Isopropyl Acetate

Concen: 50.179 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

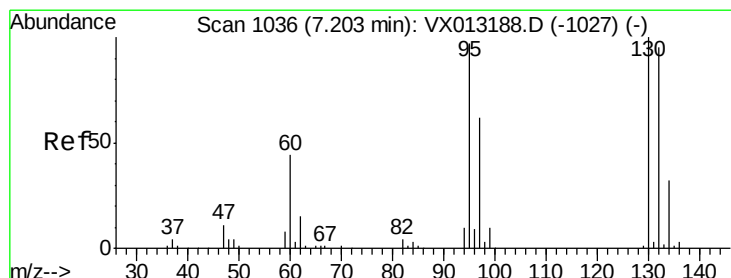
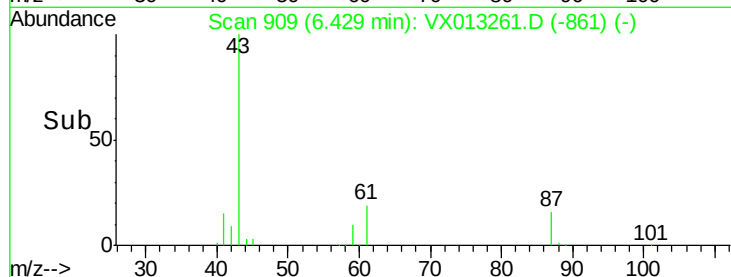
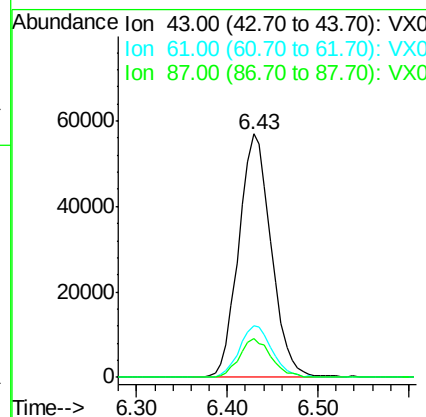
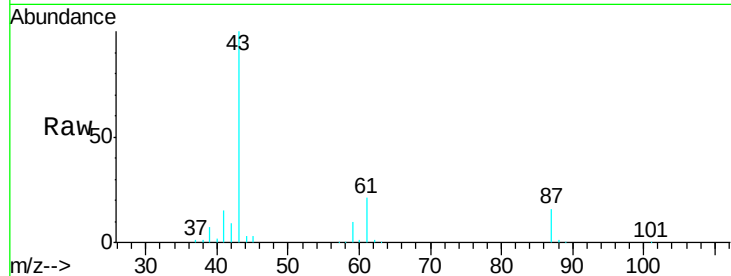
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	141009
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	15.5	12.1	18.1

Manual Integrations
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#44

Trichloroethene

Concen: 48.624 ug/l

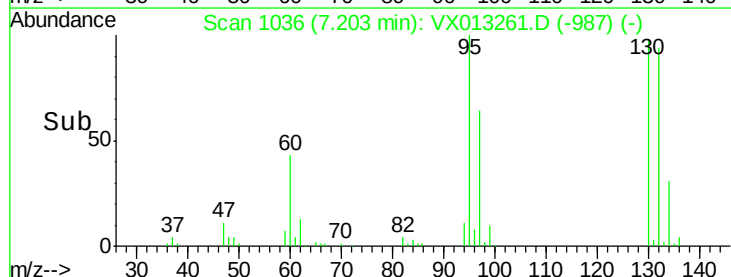
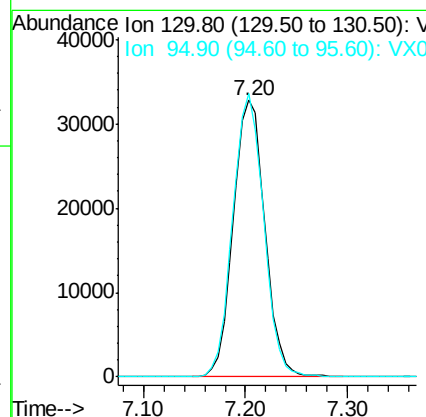
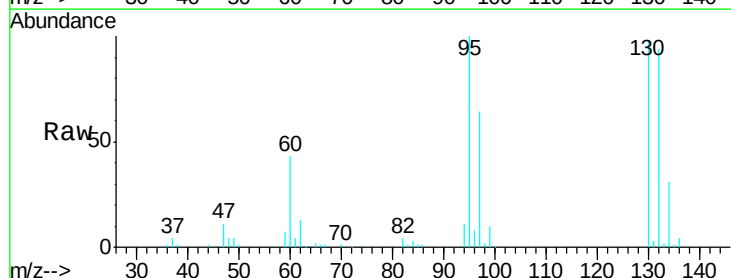
RT: 7.20 min Scan# 1036

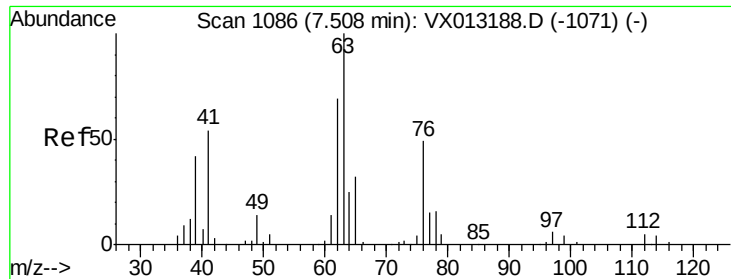
Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Tgt Ion:	130	Resp:	70402
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	193.6





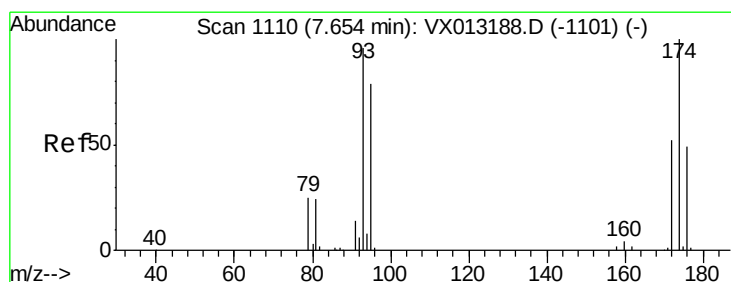
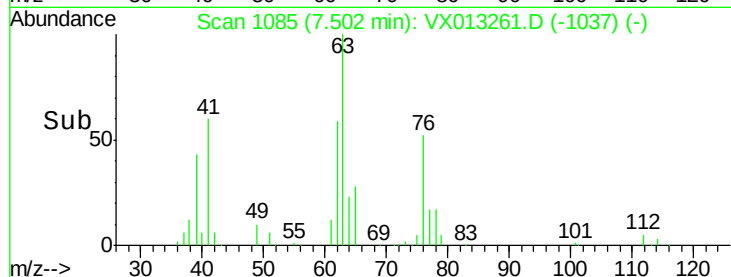
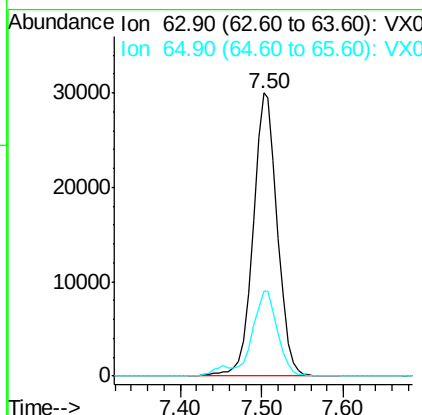
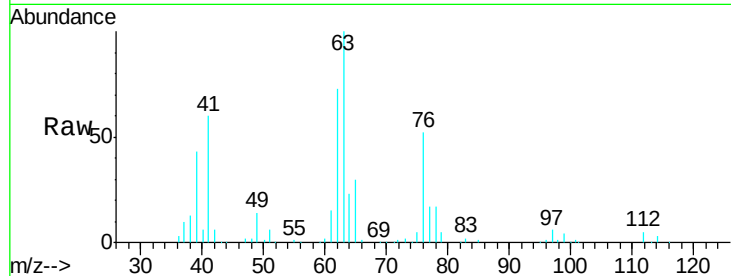
#45
 1,2-Dichloropropane
 Concen: 48.719 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 62250
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.3 37.9

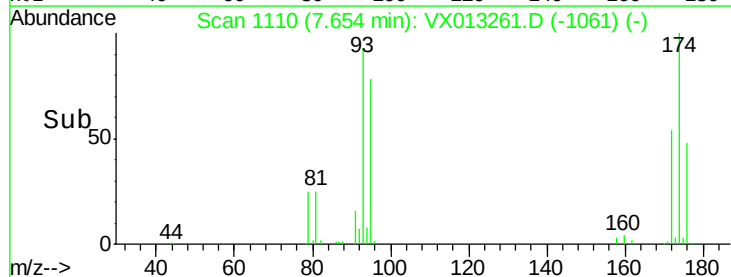
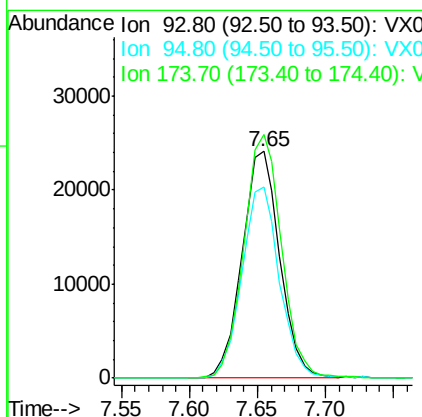
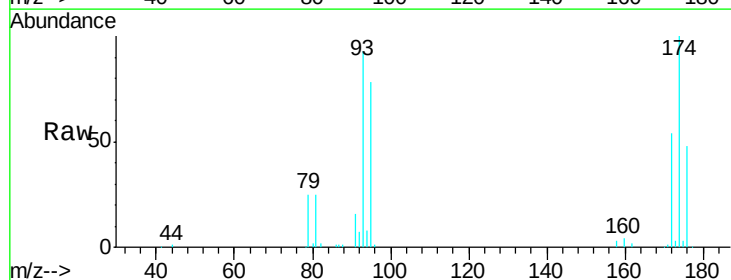
Manual Integrations
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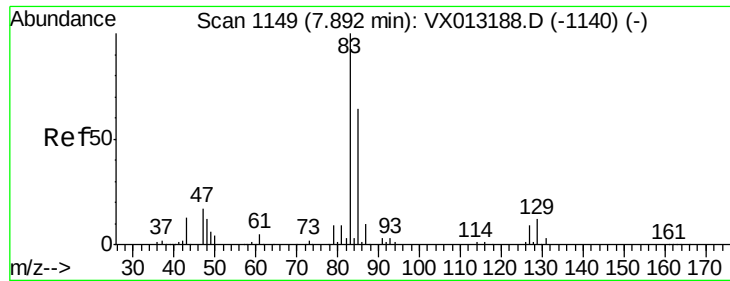
MMDadoda
 10/30/2019 10:49:05 AM



#46
 Dibromomethane
 Concen: 50.817 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion: 93 Resp: 46781
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.2 99.4
 174 107.6 85.2 127.8





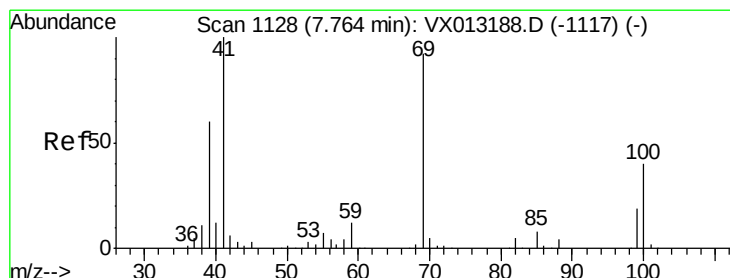
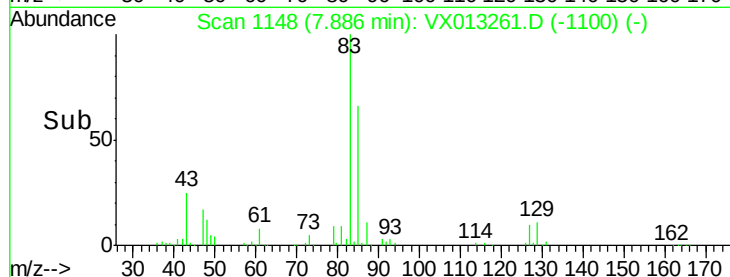
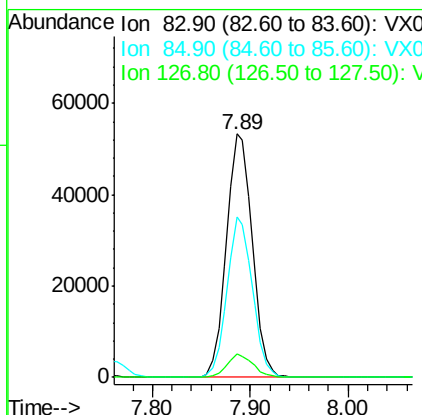
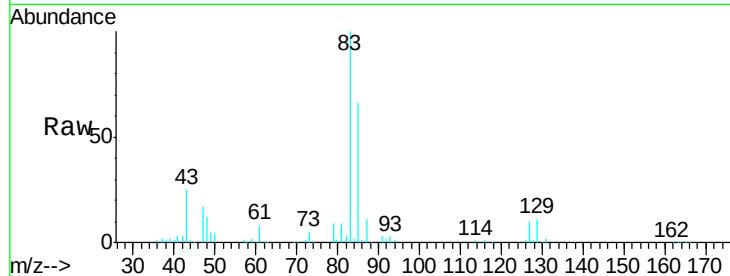
#47
Bromodichloromethane
Concen: 54.471 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.6
127	9.6	7.2	10.8

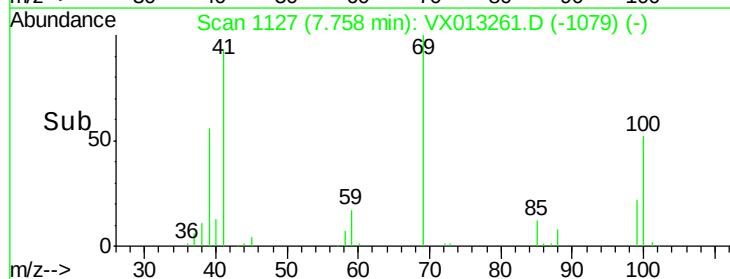
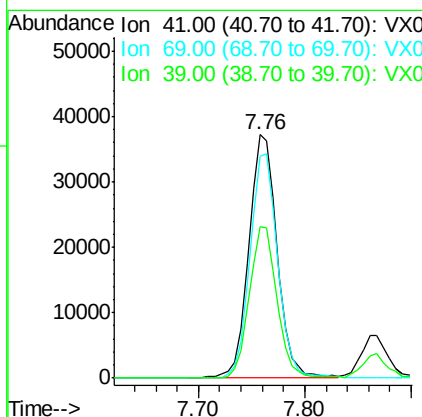
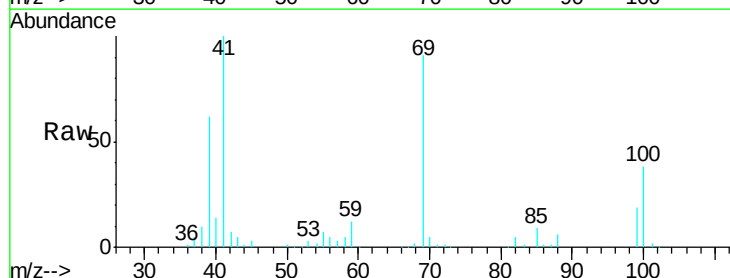
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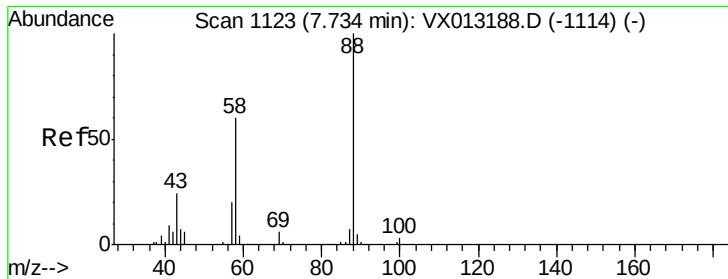
MMDadoda
10/30/2019 10:49:05 AM



#48
Methyl methacrylate
Concen: 50.103 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.8	72.0	108.0
39	61.0	47.4	71.0





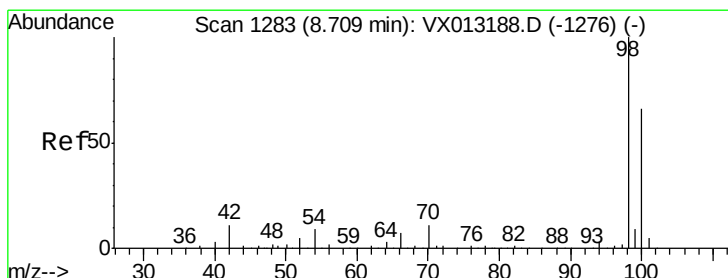
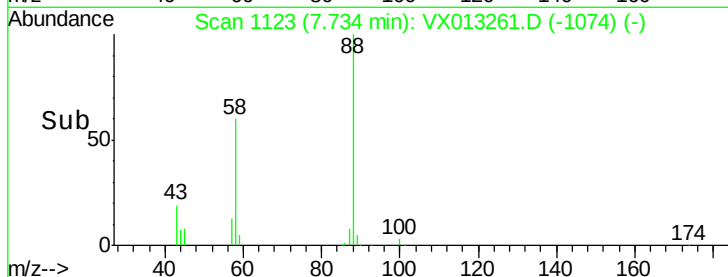
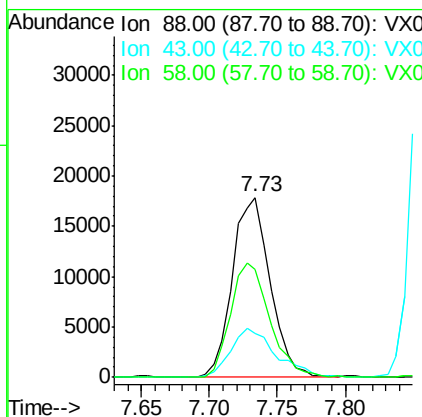
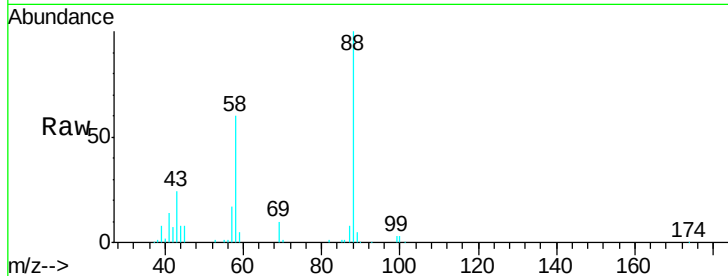
#49
1,4-Dioxane
Concen: 981.093 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	24.5	36.7
58	66.4	54.1	81.1

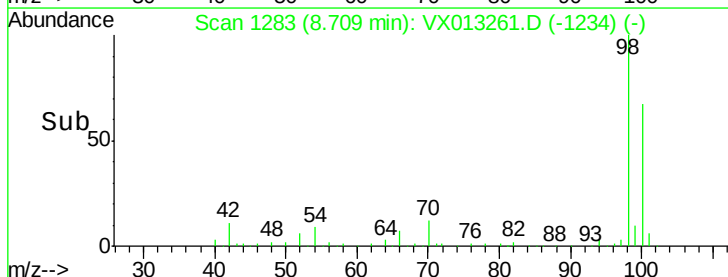
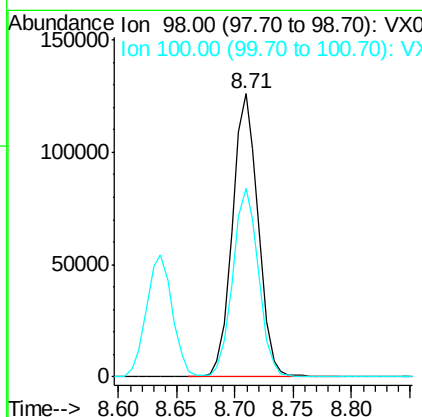
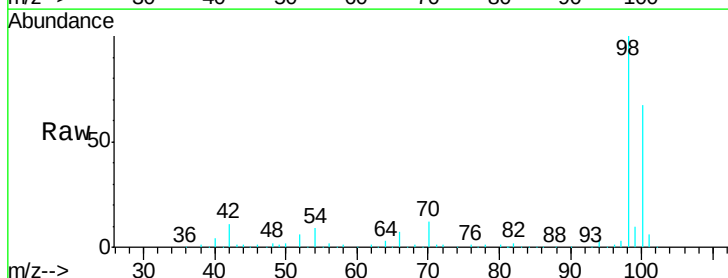
Manual Integrations
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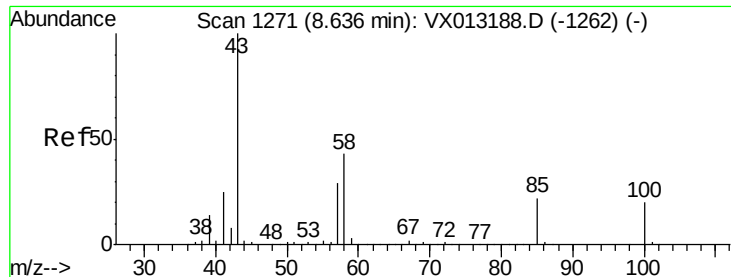
MMDadoda
10/30/2019 10:49:05 AM



#50
Toluene-d8
Concen: 46.350 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.3	79.9





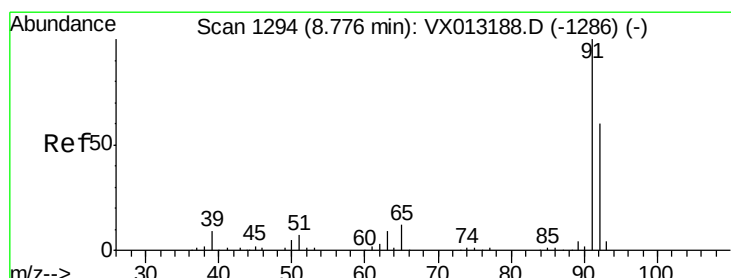
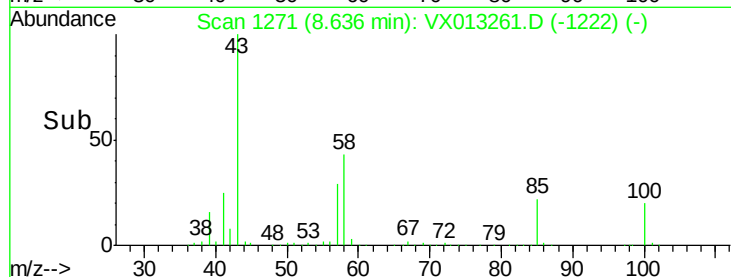
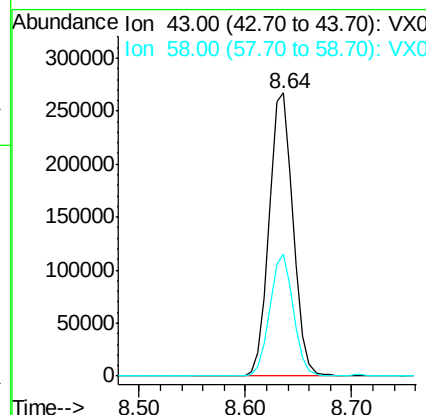
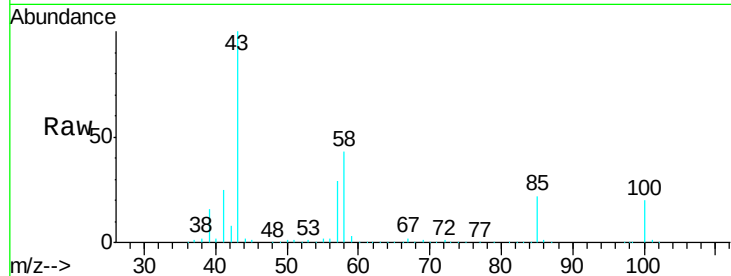
#51
4-Methyl-2-Pentanone
Concen: 245.732 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 420902
Ion Ratio Lower Upper
43 100
58 42.4 33.9 50.9

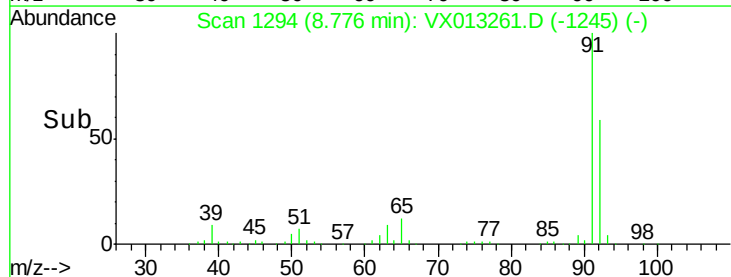
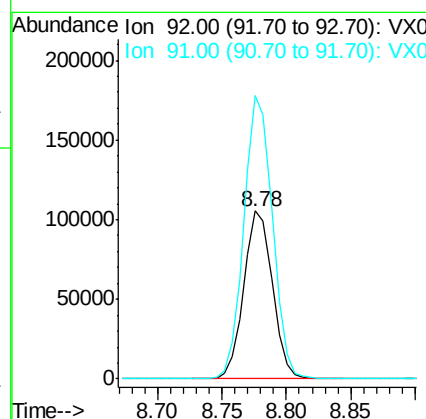
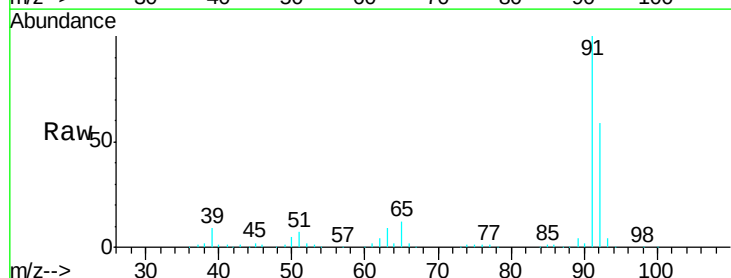
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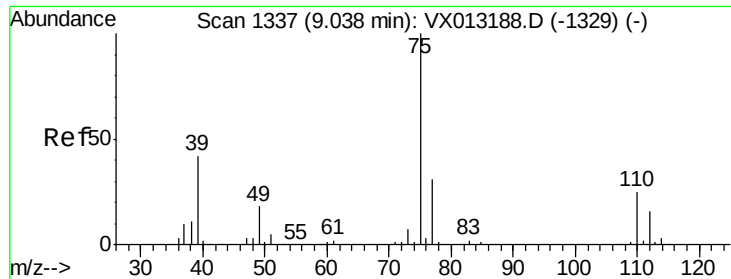
MMDadoda
10/30/2019 10:49:05 AM



#52
Toluene
Concen: 47.975 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 92 Resp: 162199
Ion Ratio Lower Upper
92 100
91 169.1 133.9 200.9





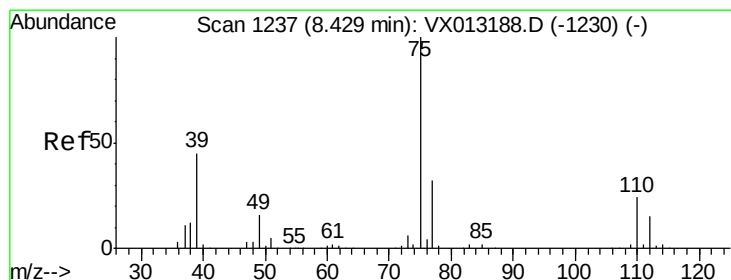
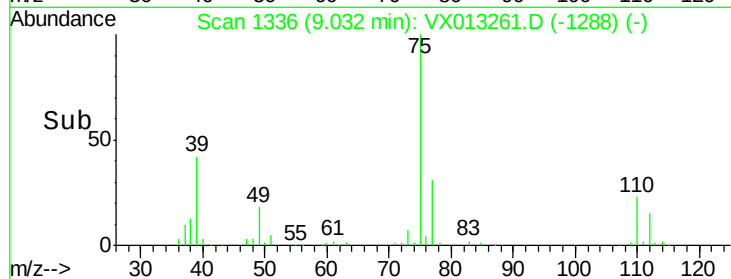
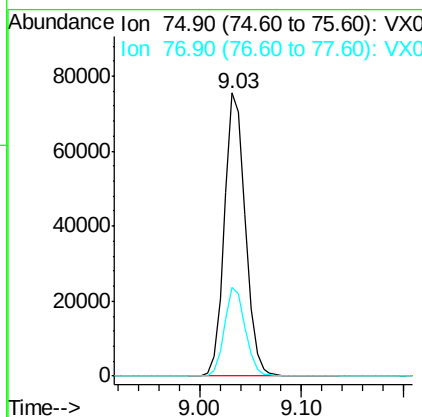
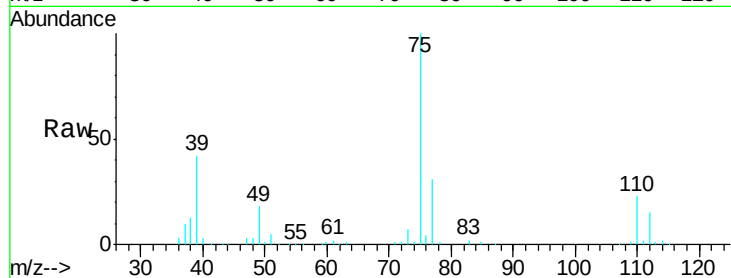
#53
t-1,3-Dichloropropene
Concen: 56.121 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 106992
Ion Ratio Lower Upper
75 100
77 31.2 24.7 37.1

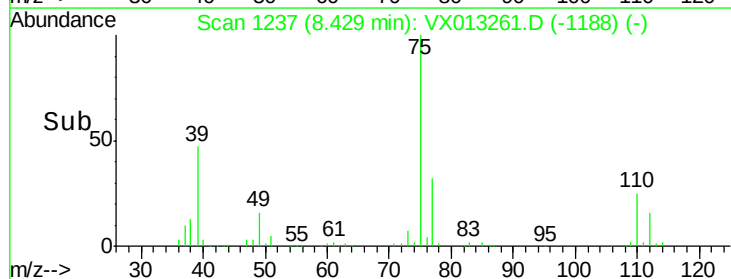
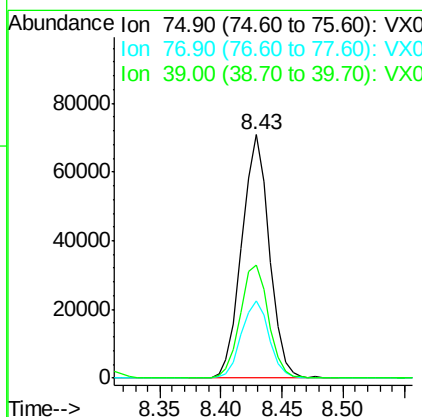
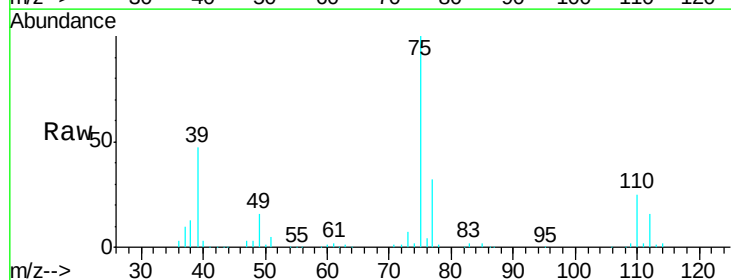
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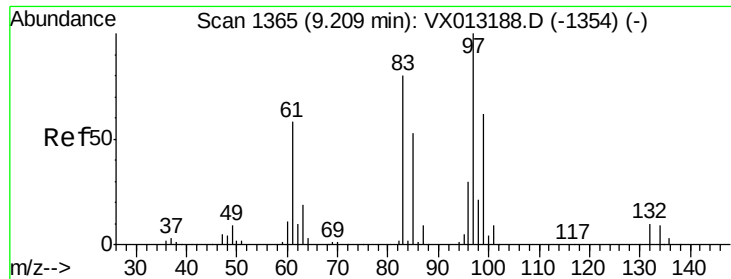
MMDadoda
10/30/2019 10:49:05 AM



#54
cis-1,3-Dichloropropene
Concen: 53.167 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 75 Resp: 110882
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
39 46.6 36.2 54.4





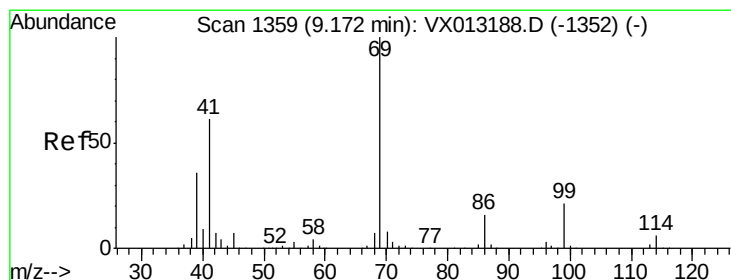
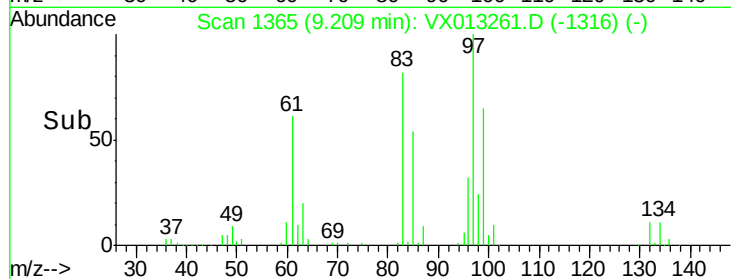
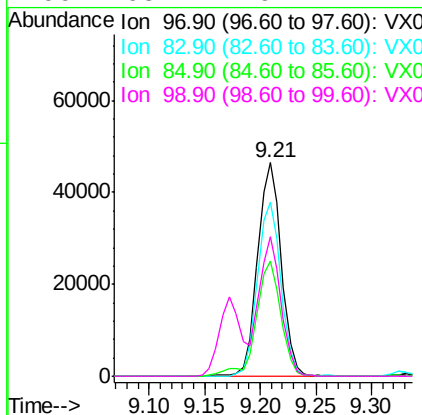
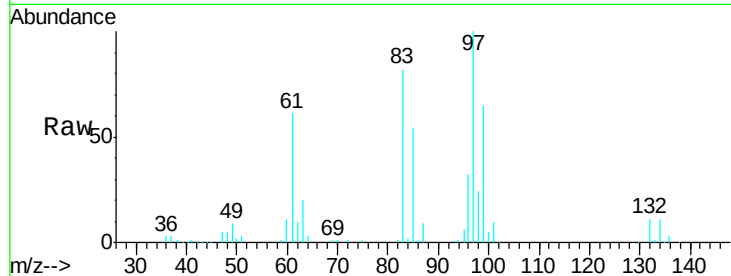
#55
 1,1,2-Trichloroethane
 Concen: 51.687 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	69088		
83	81.5	64.1	96.1	
85	53.9	42.1	63.1	
99	65.1	49.4	74.2	

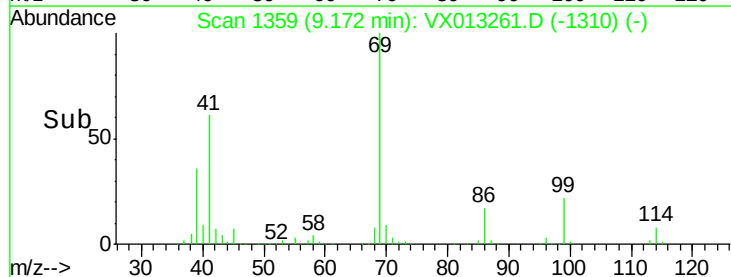
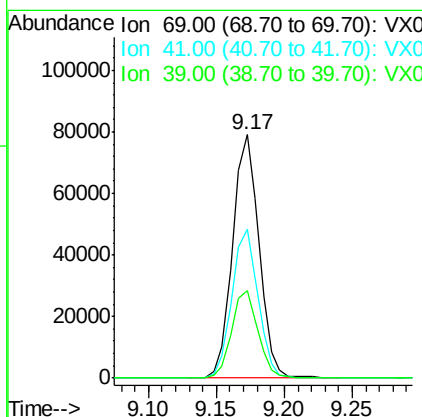
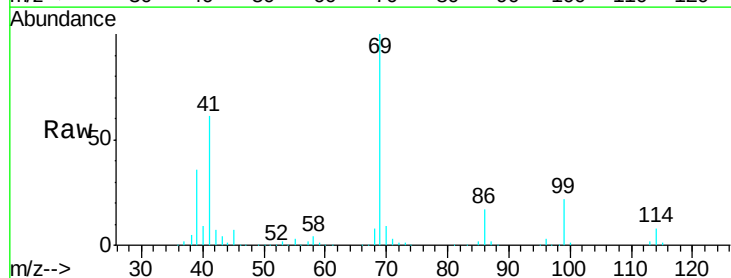
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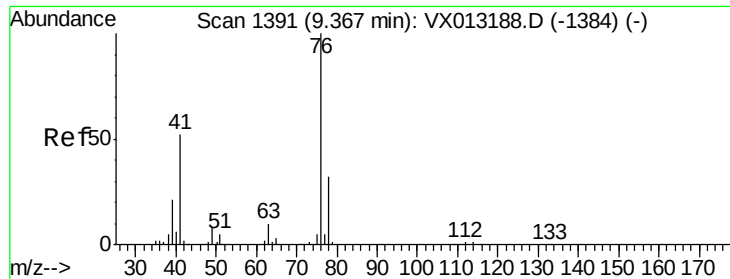
MMDadoda
 10/30/2019 10:49:05 AM



#56
 Ethyl methacrylate
 Concen: 53.134 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	106895		
41	61.1	49.5	74.3	
39	36.2	28.3	42.5	





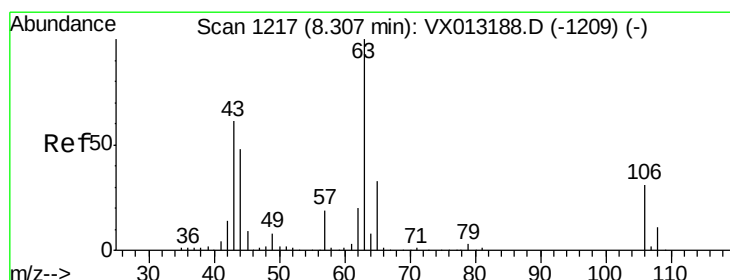
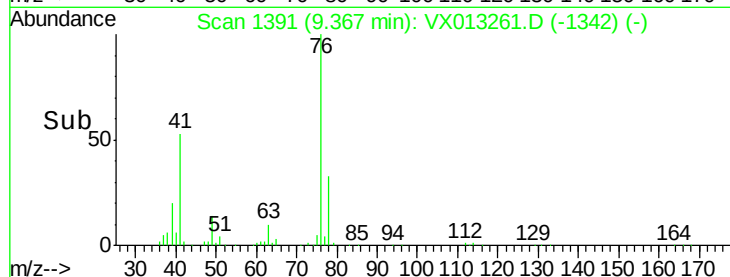
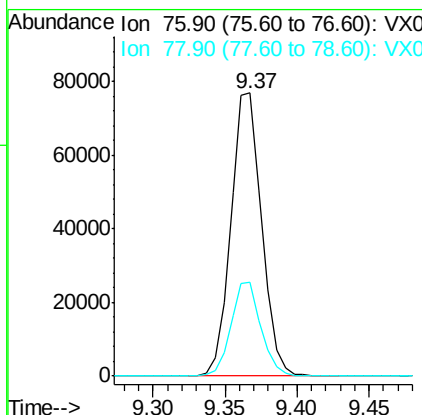
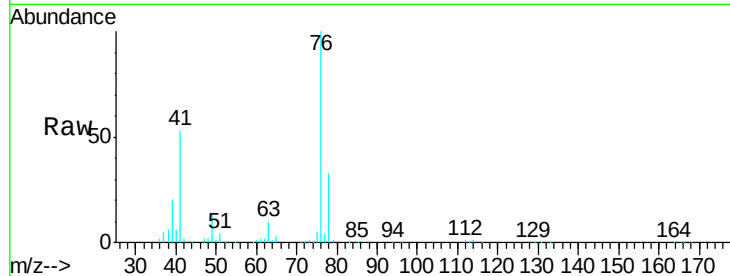
#57
 1,3-Dichloropropane
 Concen: 50.864 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 114716
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

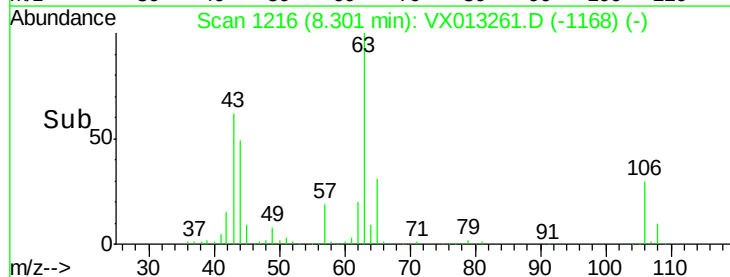
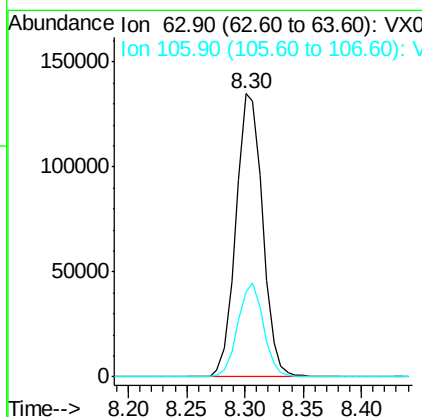
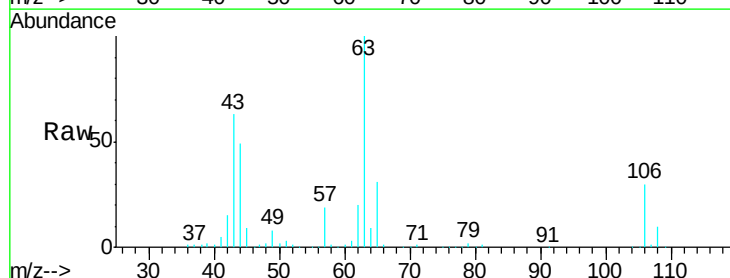
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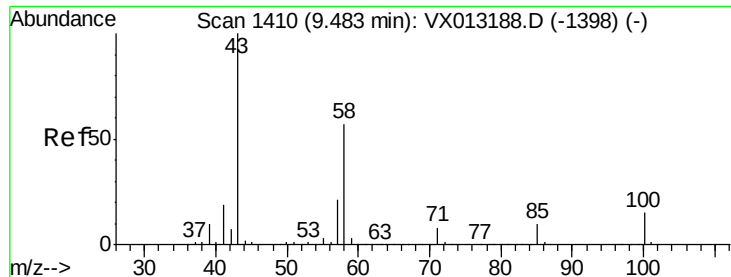
MMDadoda
 10/30/2019 10:49:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.395 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion: 63 Resp: 216183
 Ion Ratio Lower Upper
 63 100
 106 31.9 25.4 38.0





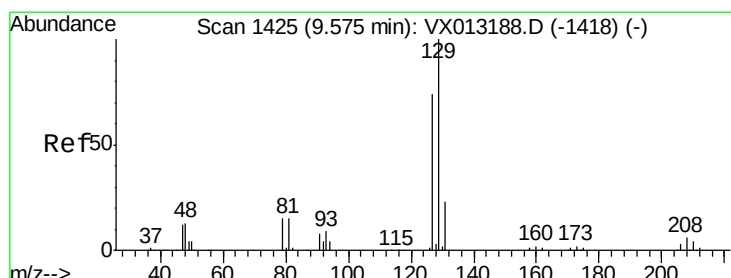
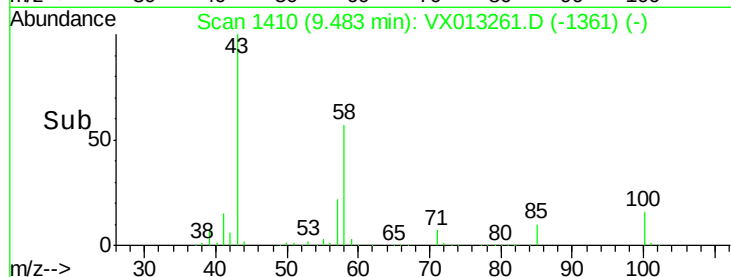
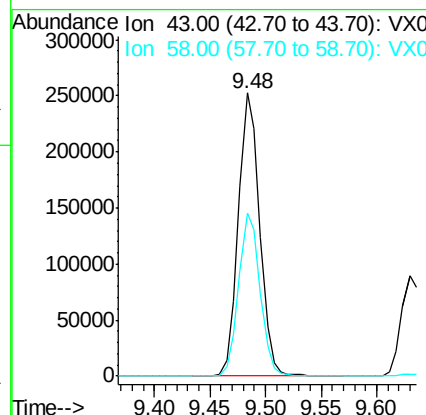
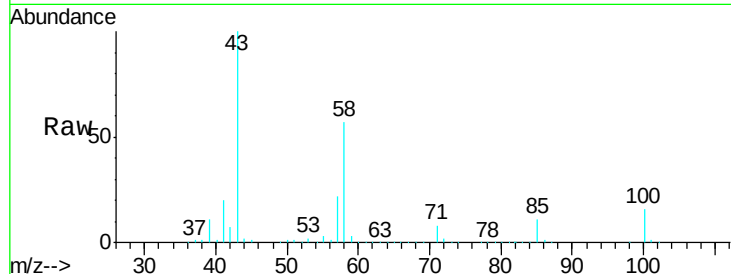
#59
2-Hexanone
Concen: 254.387 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 335637
Ion Ratio Lower Upper
43 100
58 57.6 28.2 84.7

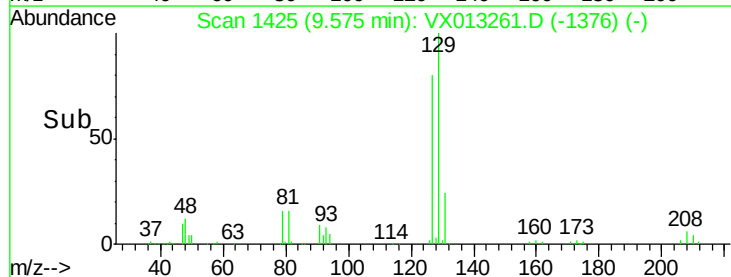
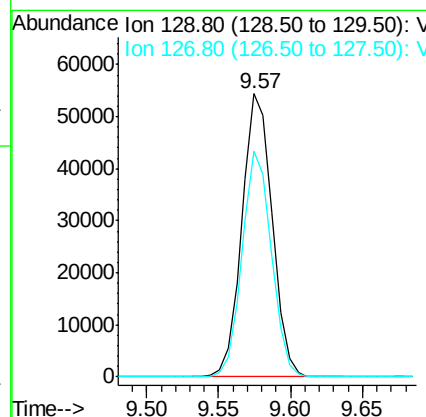
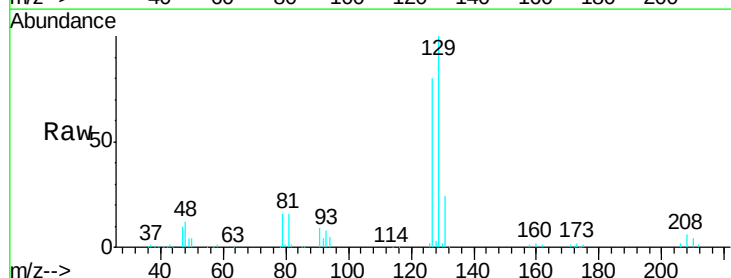
Manual Integrations
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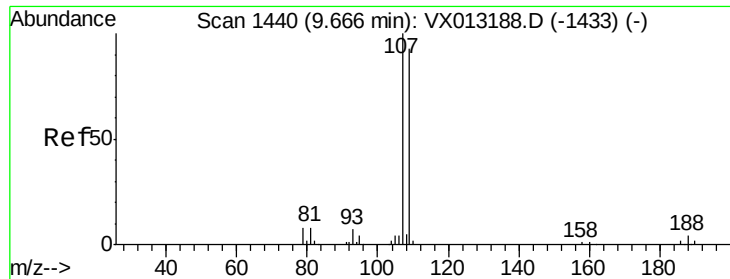
MMDadoda
10/30/2019 10:49:05 AM



#60
Dibromochloromethane
Concen: 56.551 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 129 Resp: 79207
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 52.594 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 74632

Ion Ratio Lower Upper

107 100

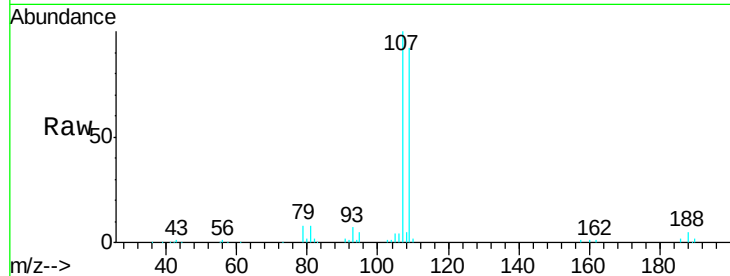
109 93.3 75.7 113.5

Manual Integrations

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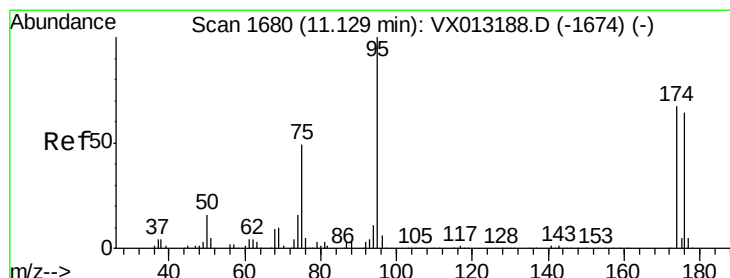
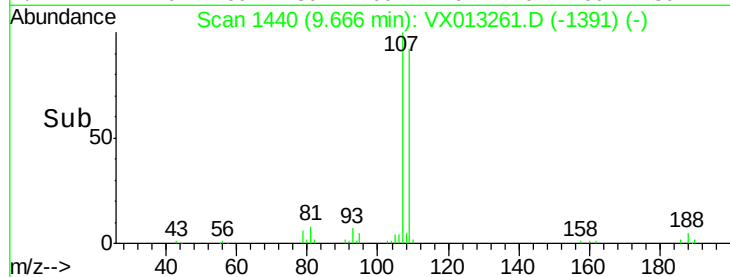
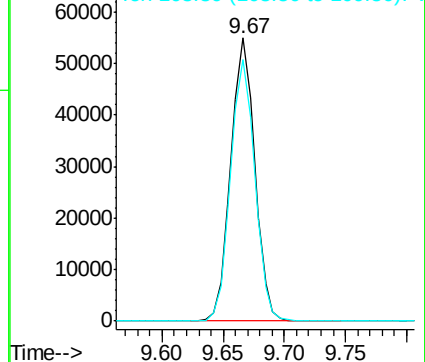
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.263 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

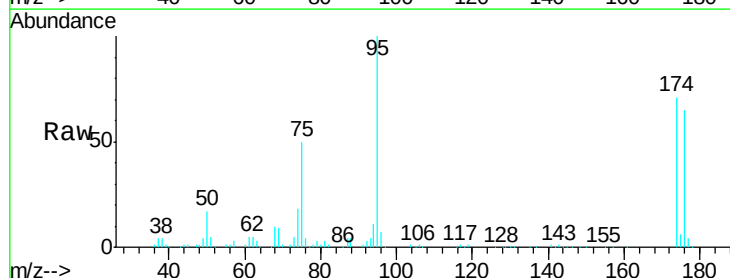
Tgt Ion: 95 Resp: 81842

Ion Ratio Lower Upper

95 100

174 74.4 0.0 152.4

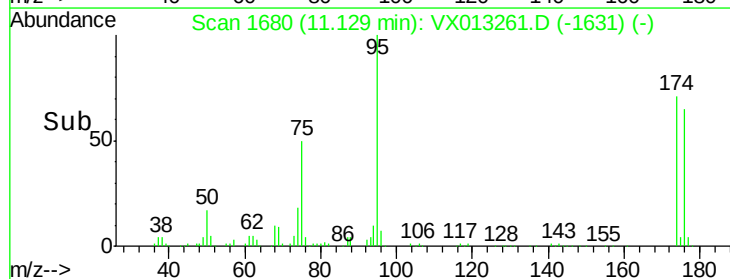
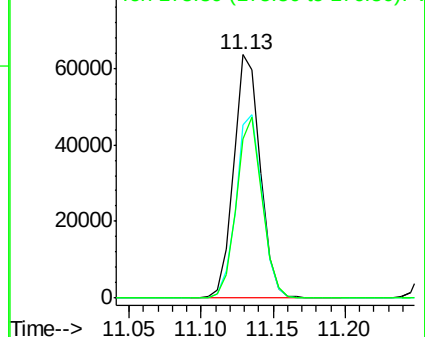
176 71.9 0.0 146.0

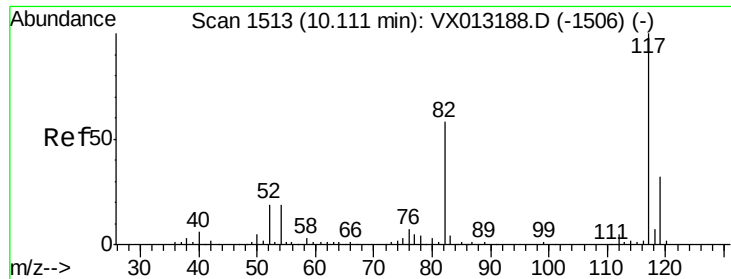


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





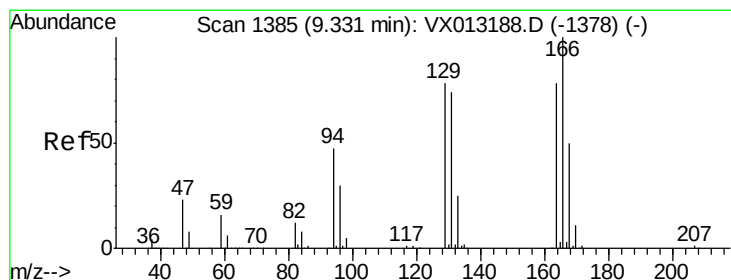
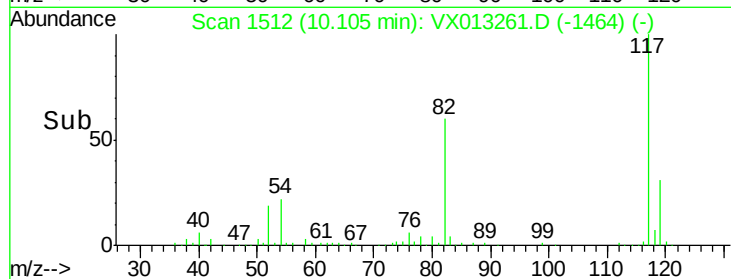
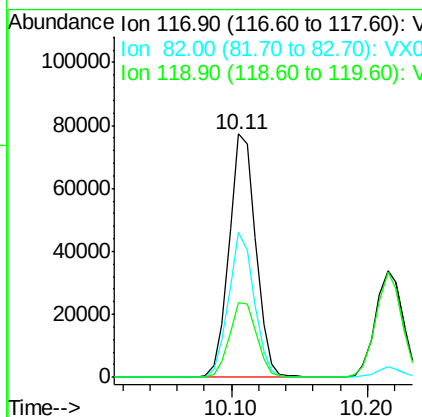
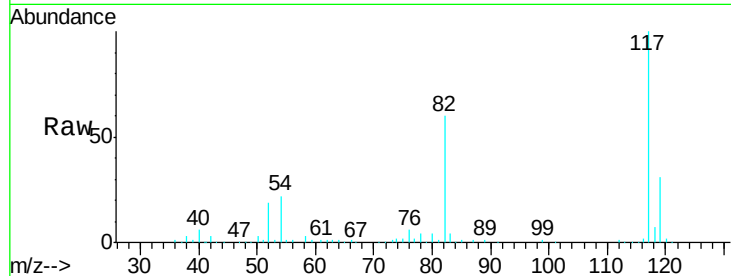
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	105003		
82	59.7	46.5	69.7	
119	30.8	25.2	37.8	

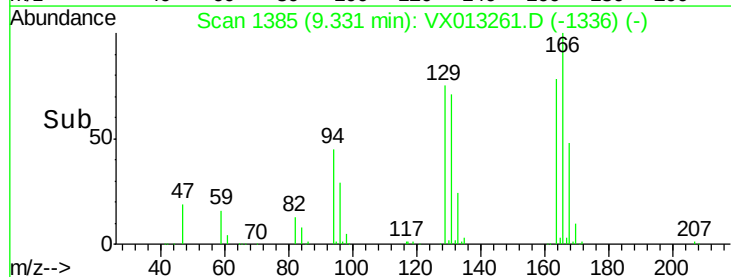
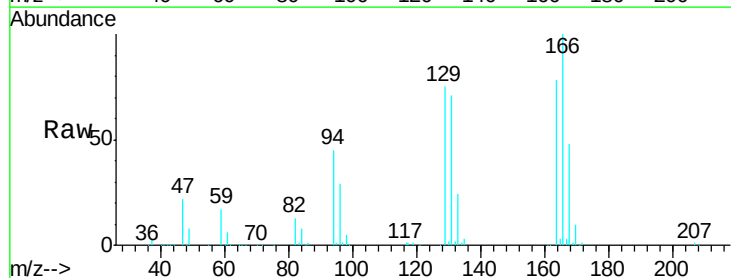
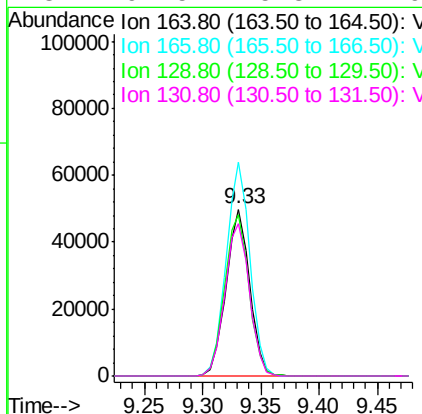
Manual Integrations
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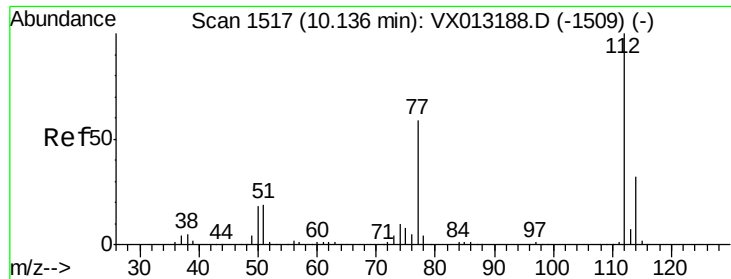
MMDadoda
10/30/2019 10:49:05 AM



#64
Tetrachloroethene
Concen: 54.293 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70128		
166	128.0	102.2	153.4	
129	96.6	79.8	119.8	
131	91.5	75.3	112.9	





#65

Chlorobenzene

Concen: 49.056 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 180315

Ion Ratio Lower Upper

112 100

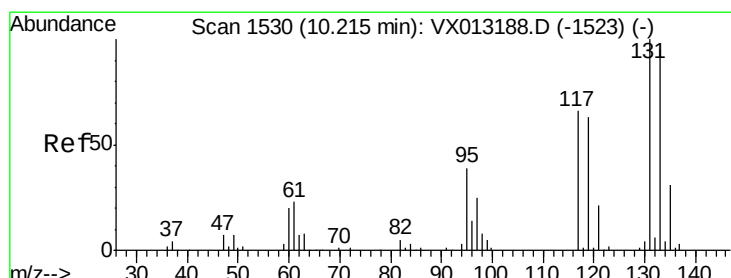
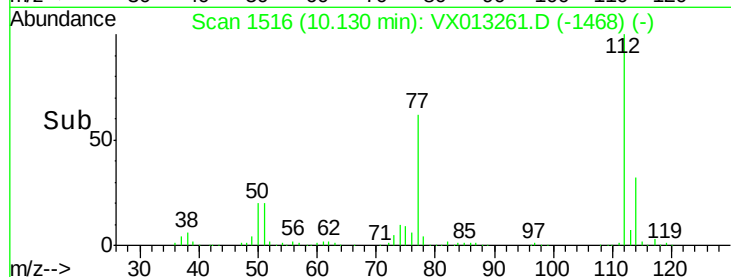
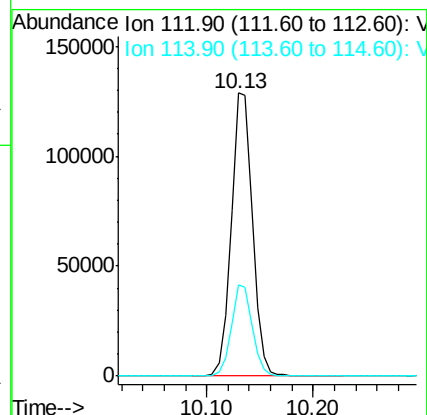
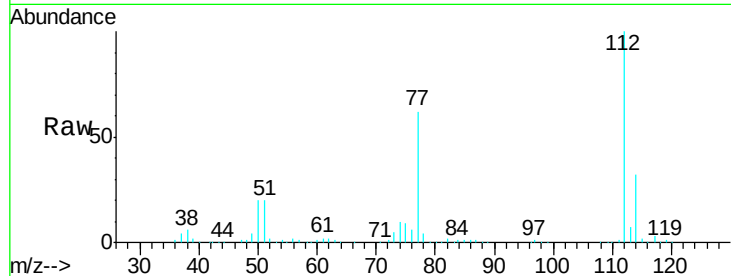
114 32.4 25.8 38.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.717 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

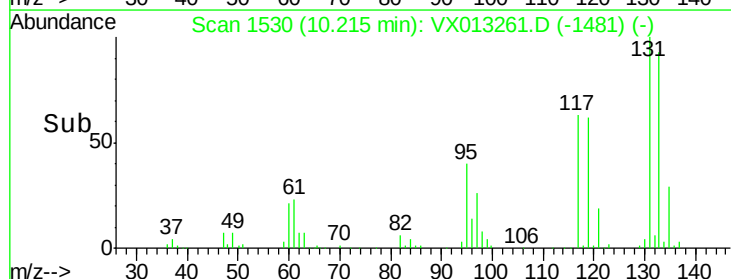
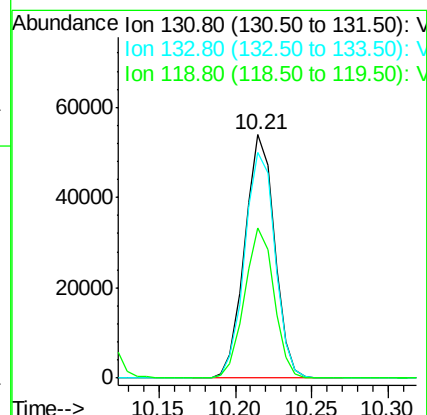
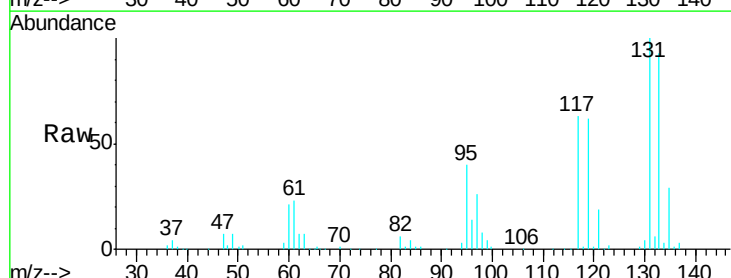
Tgt Ion:131 Resp: 72940

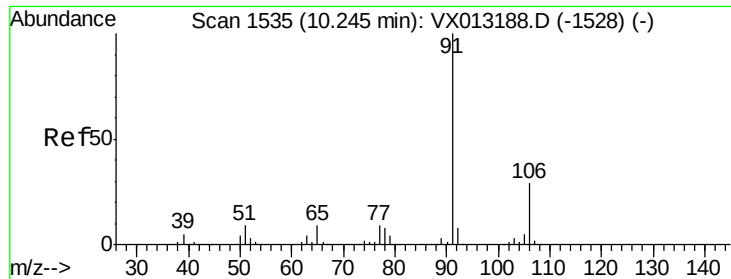
Ion Ratio Lower Upper

131 100

133 94.9 48.4 145.2

119 61.3 32.4 97.0





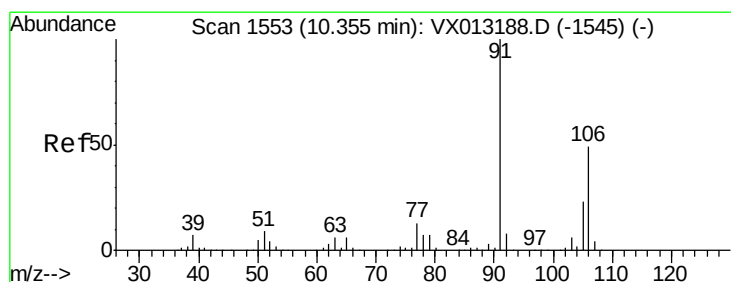
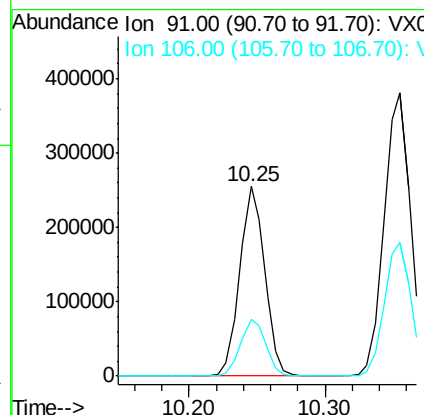
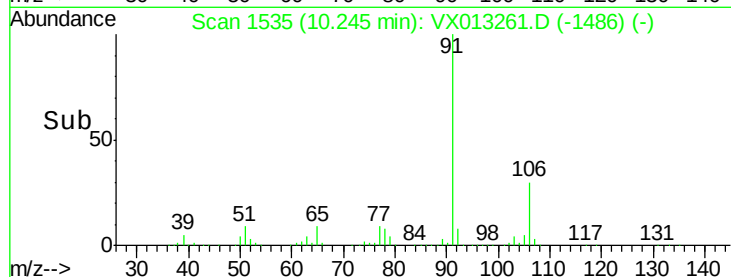
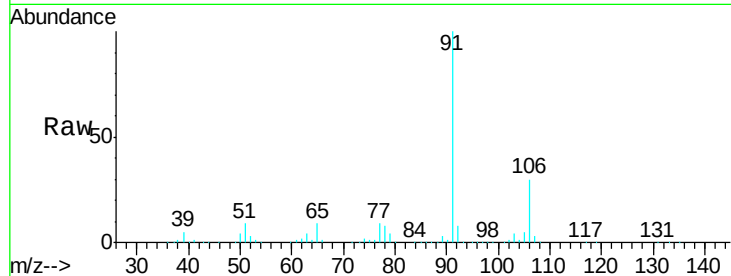
#67
Ethyl Benzene
Concen: 49.554 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 326085
Ion Ratio Lower Upper
91 100
106 30.0 23.5 35.3

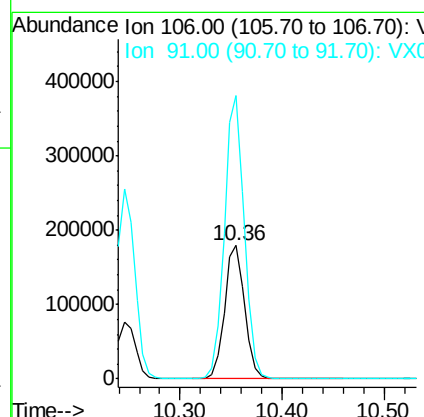
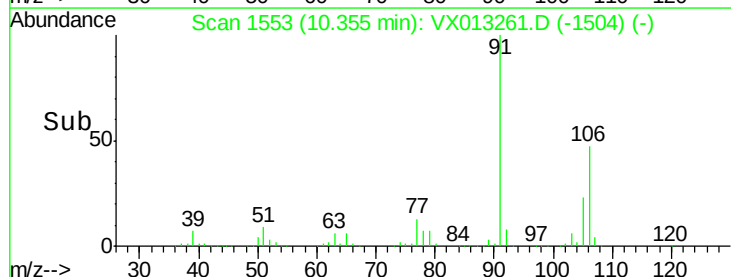
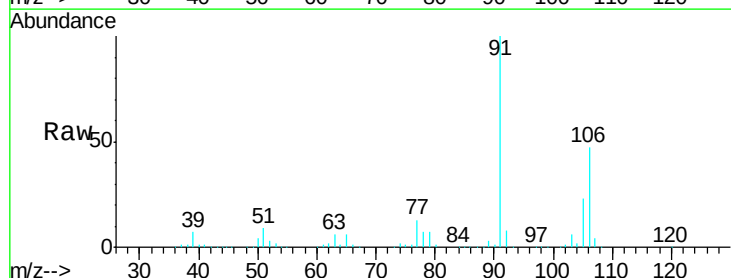
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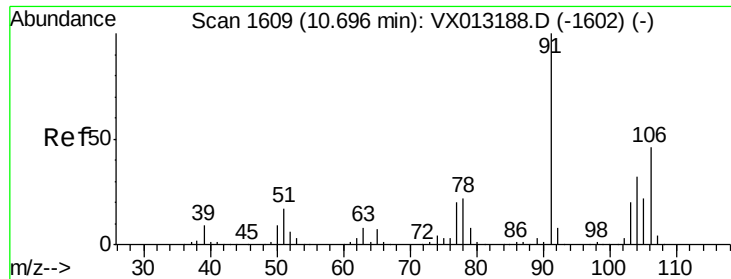
MMDadoda
10/30/2019 10:49:05 AM



#68
m/p-Xylenes
Concen: 98.329 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 106 Resp: 244528
Ion Ratio Lower Upper
106 100
91 210.5 166.8 250.2





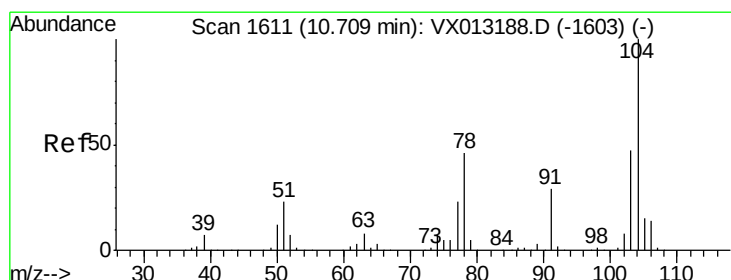
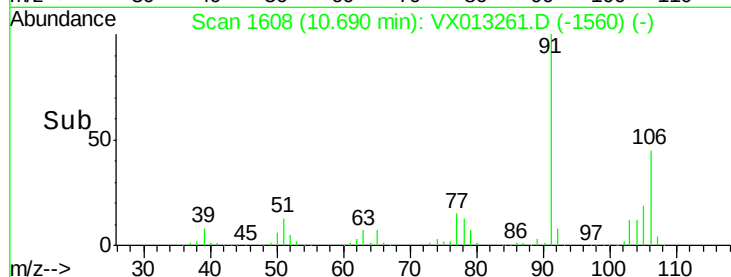
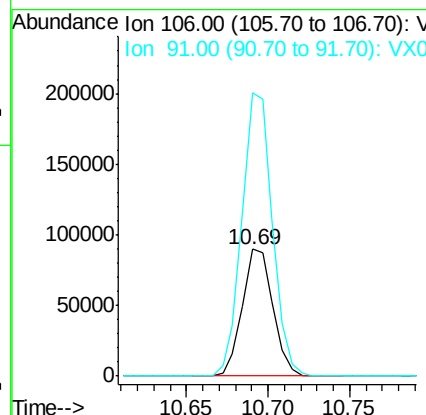
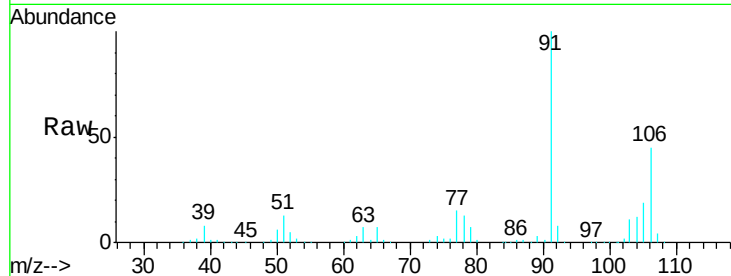
#69
o-Xylene
Concen: 49.521 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 118136
Ion Ratio Lower Upper
106 100
91 221.5 110.7 331.9

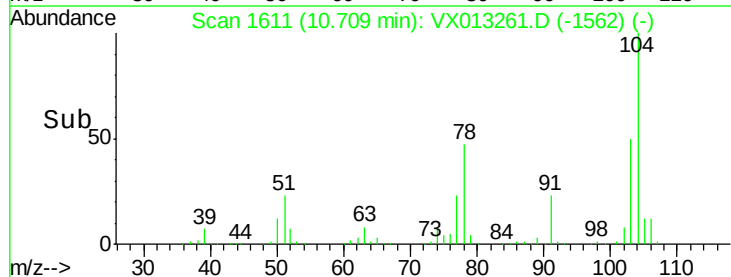
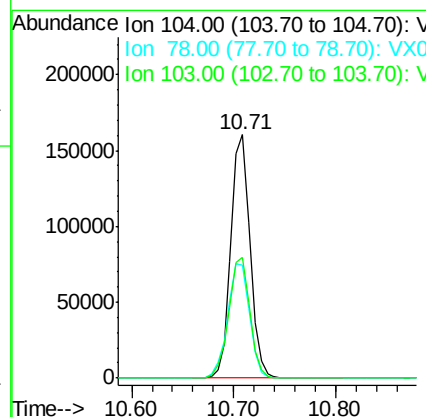
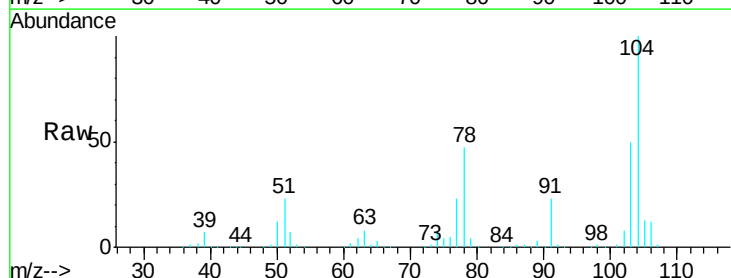
Manual Integrations
APPROVED

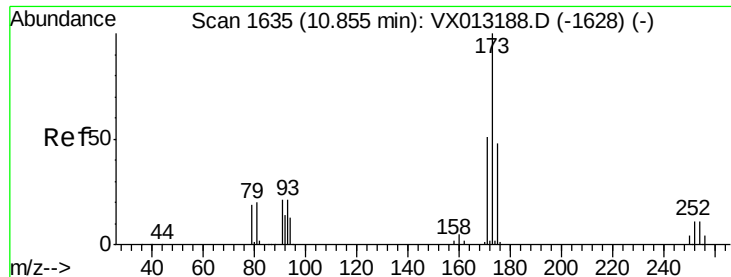
MMDadoda
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#70
Styrene
Concen: 50.876 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion:104 Resp: 208985
Ion Ratio Lower Upper
104 100
78 54.3 42.2 63.4
103 54.6 42.8 64.2





#71

Bromoform

Concen: 56.605 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

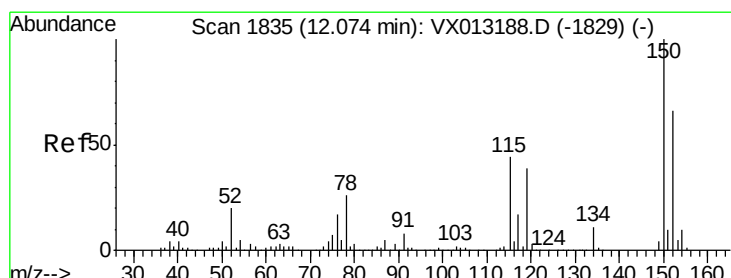
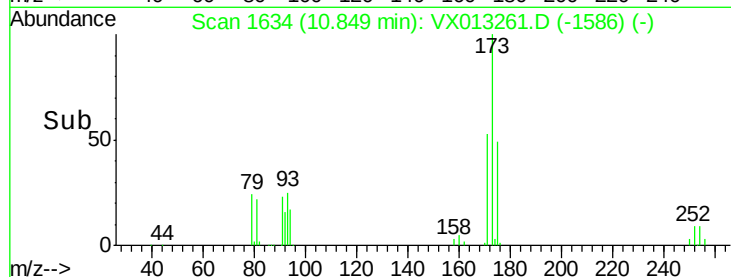
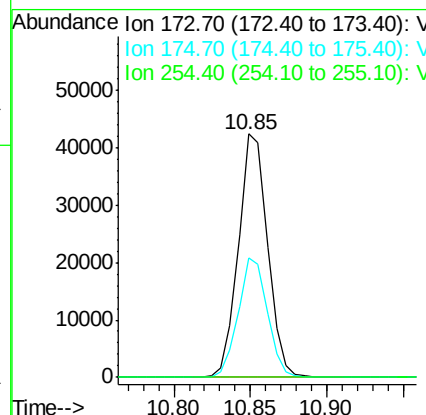
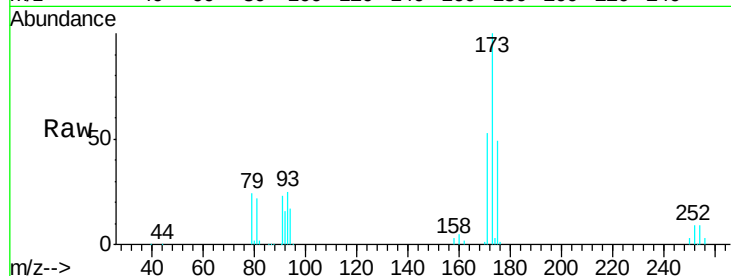
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.0	0.1	0.1

Manual Integrations
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10/30/2019 10:49:05 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

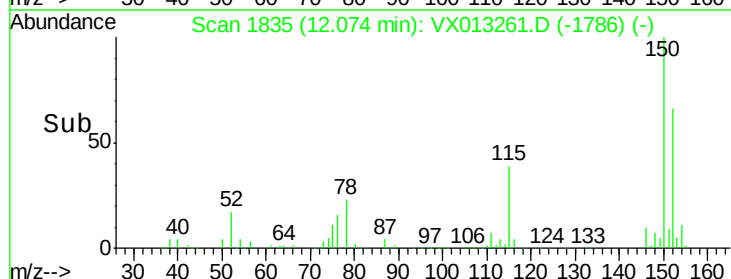
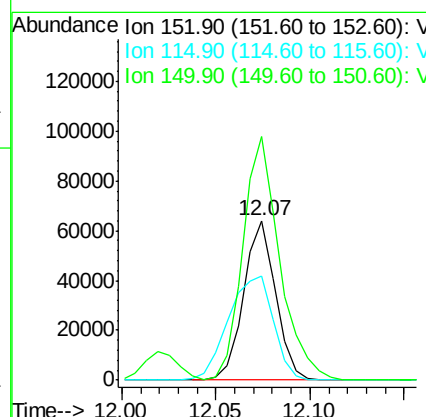
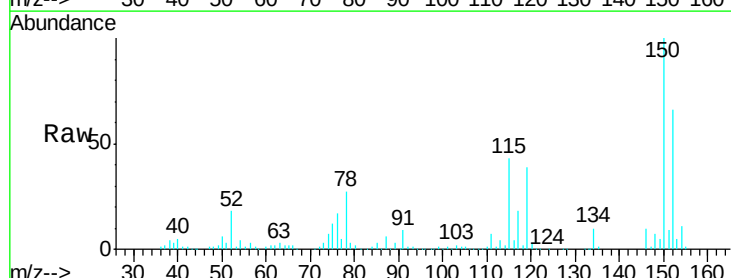
RT: 12.07 min Scan# 1835

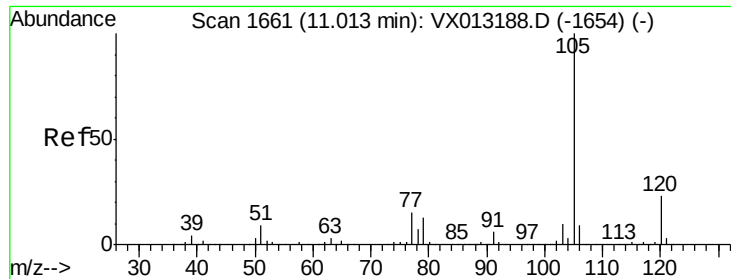
Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	91.9	46.6	139.8
150	176.5	0.0	354.0





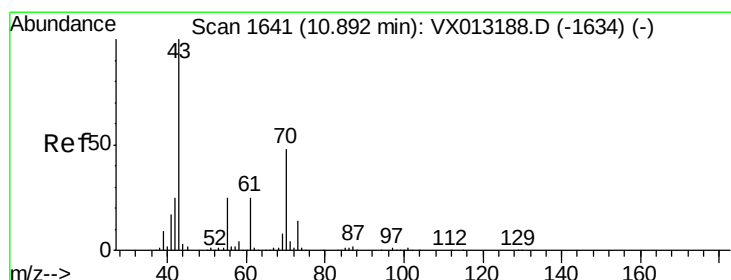
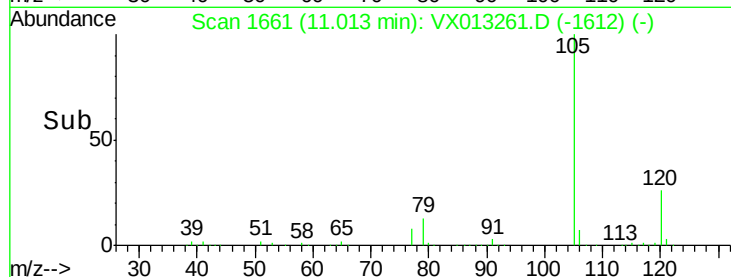
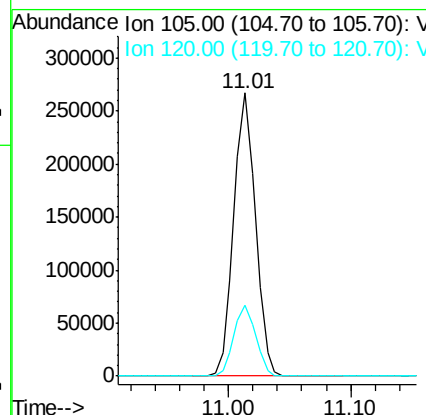
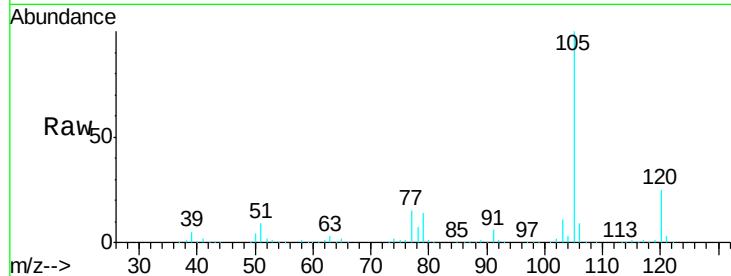
#73
Isopropylbenzene
Concen: 48.008 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 105 Resp: 326764
Ion Ratio Lower Upper
105 100
120 25.4 12.6 37.8

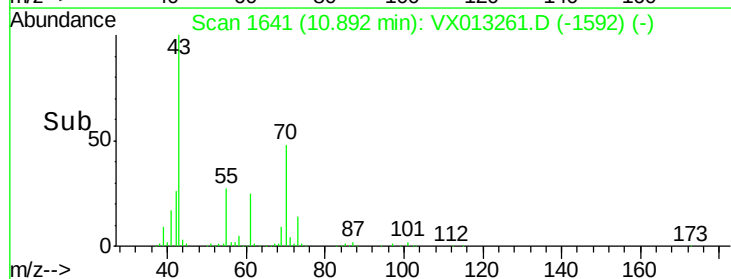
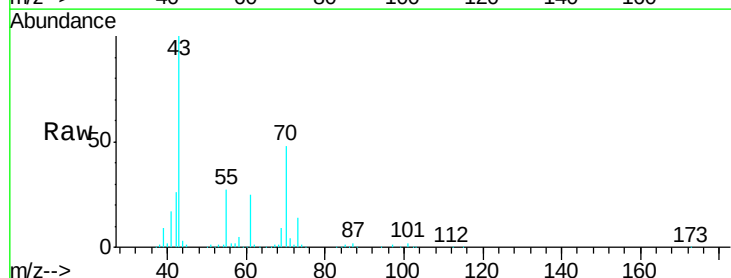
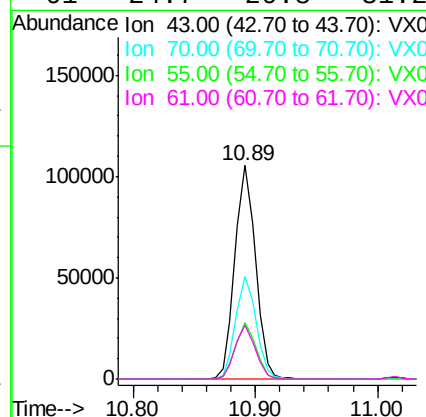
Manual Integrations
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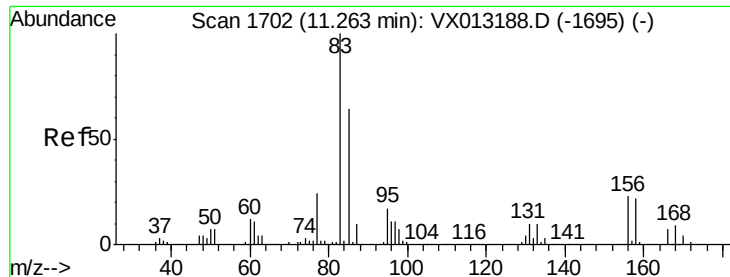
MMDadoda
10/30/2019 10:49:05 AM



#74
N-ethyl acetate
Concen: 49.422 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 43 Resp: 123463
Ion Ratio Lower Upper
43 100
70 47.5 38.5 57.7
55 26.2 20.7 31.1
61 24.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.339 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

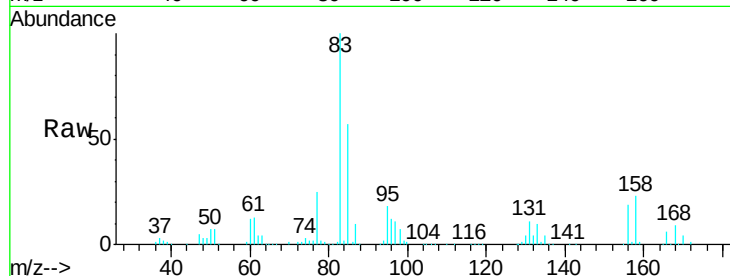
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	101969
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.3	16.1
85	62.1	31.4	94.3

Manual Integrations
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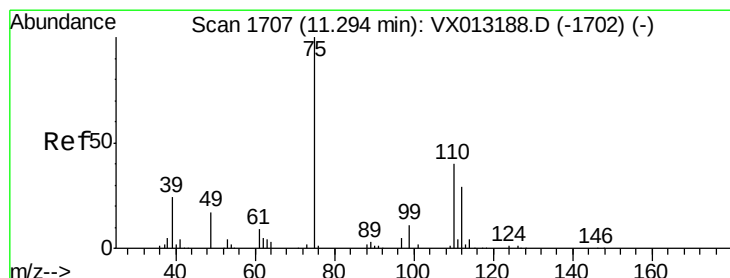
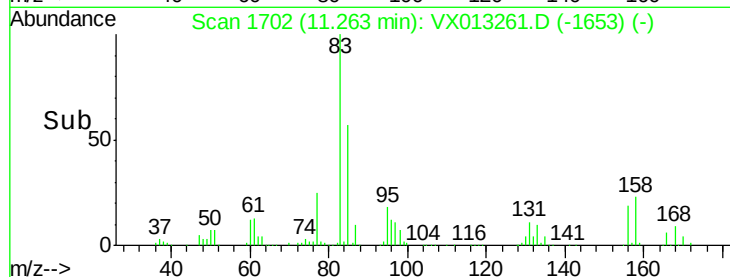
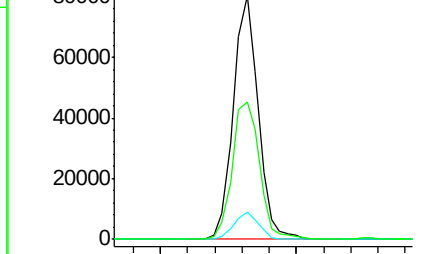
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10/30/2019 10:49:05 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.720 ug/l m

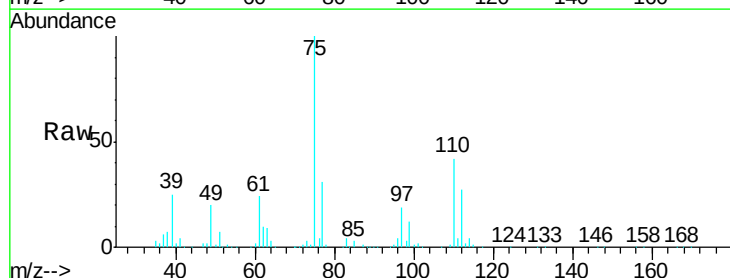
RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013261.D

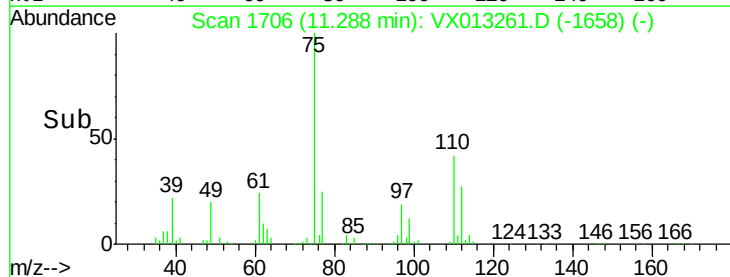
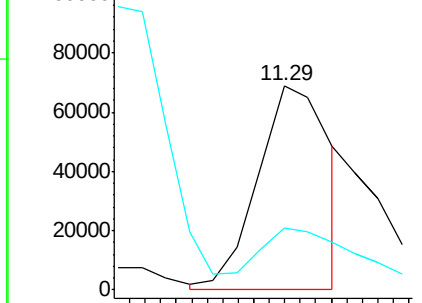
Acq: 29 Oct 2019 11:02

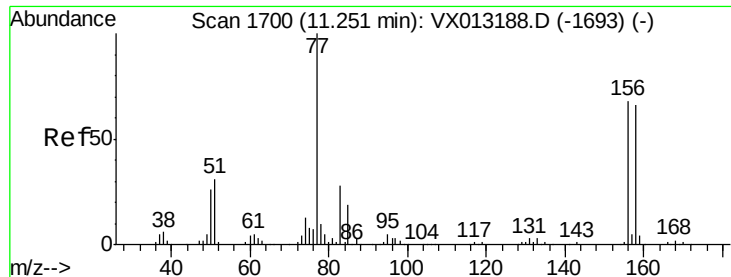
Tgt Ion:	75	Resp:	88013
Ion	Ratio	Lower	Upper
75	100		
77	41.5	19.1	57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.396 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 78949

Ion Ratio Lower Upper

156 100

77 161.0 81.7 245.1

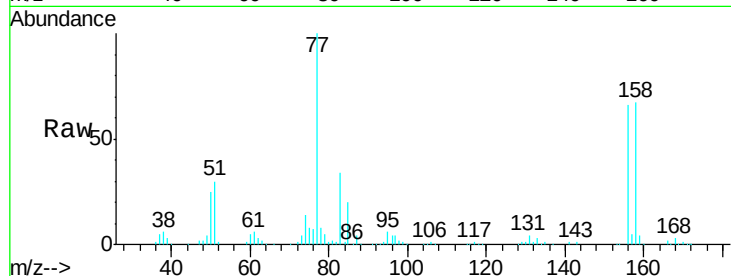
158 101.7 49.6 148.8

Manual Integrations

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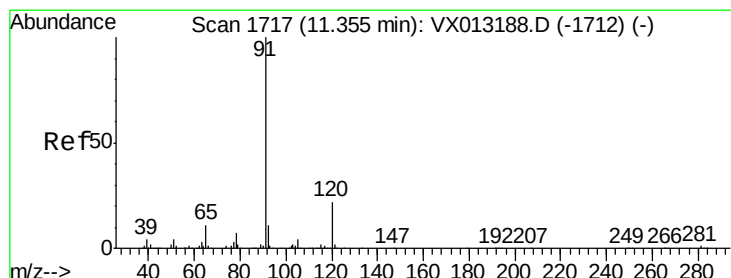
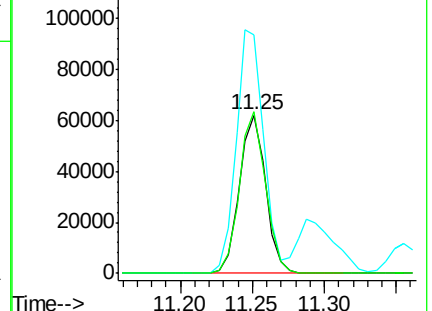
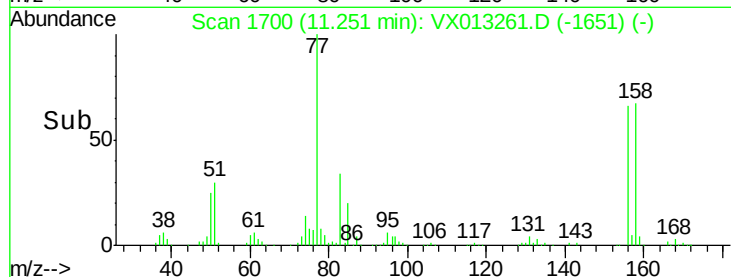
10/30/2019 10:49:05 AM



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: 46.940 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013261.D

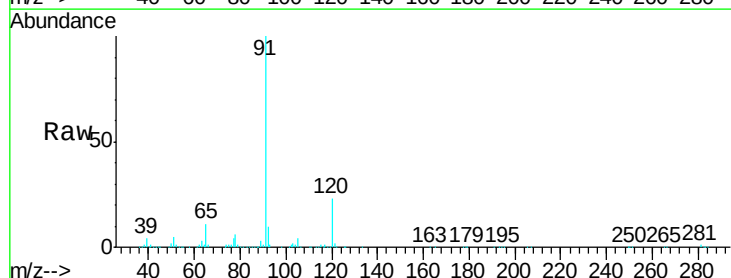
Acq: 29 Oct 2019 11:02

Tgt Ion: 91 Resp: 347051

Ion Ratio Lower Upper

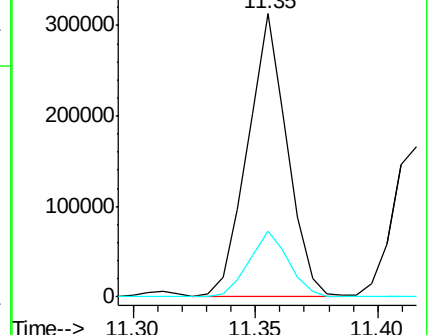
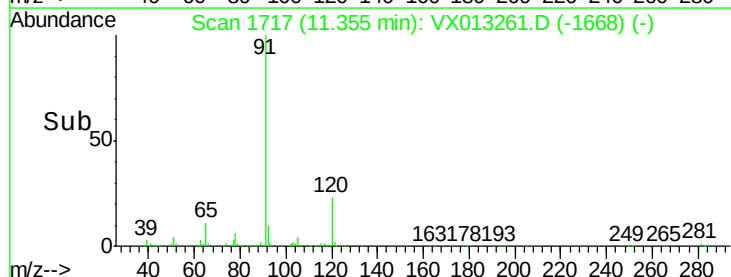
91 100

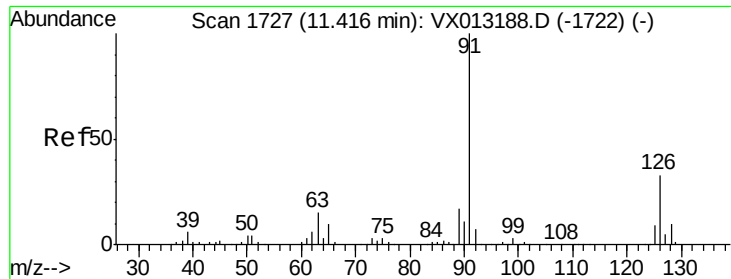
120 23.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





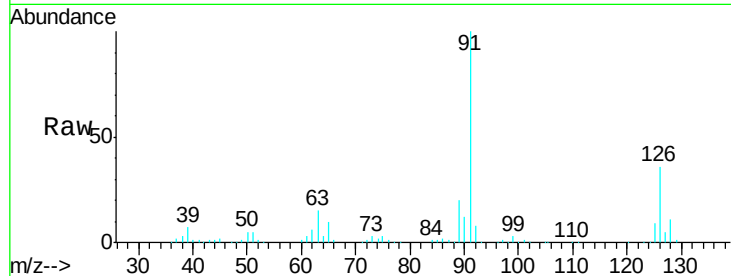
#79
 2-Chlorotoluene
 Concen: 46.485 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

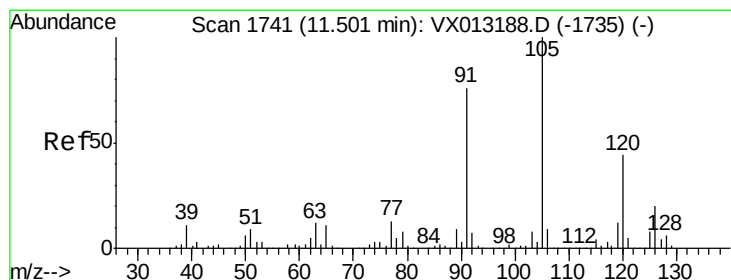
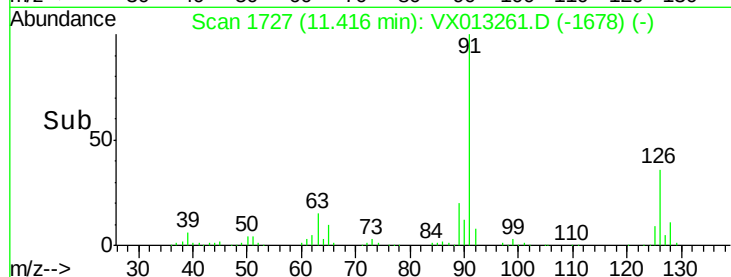
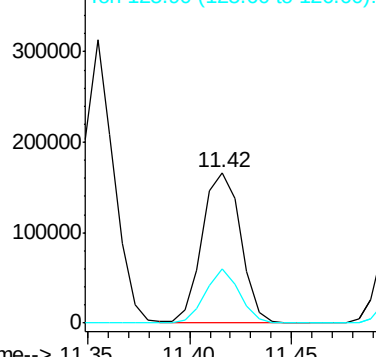
Tgt Ion: 91 Resp: 217150
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.3 48.8

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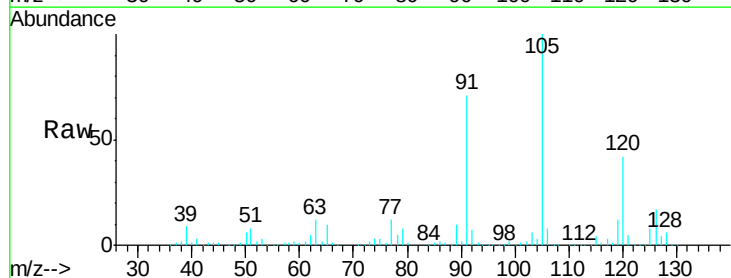


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

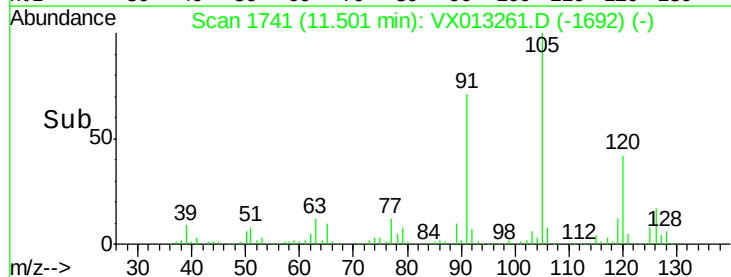
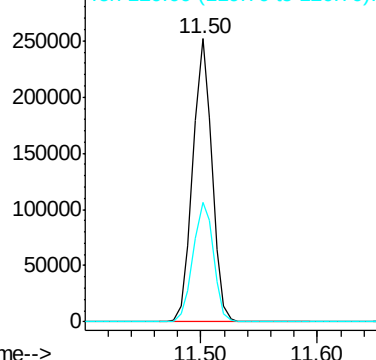


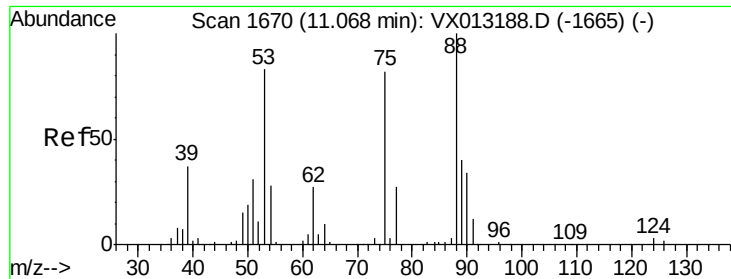
#80
 1,3,5-Trimethylbenzene
 Concen: 50.398 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion: 105 Resp: 285125
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.001 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

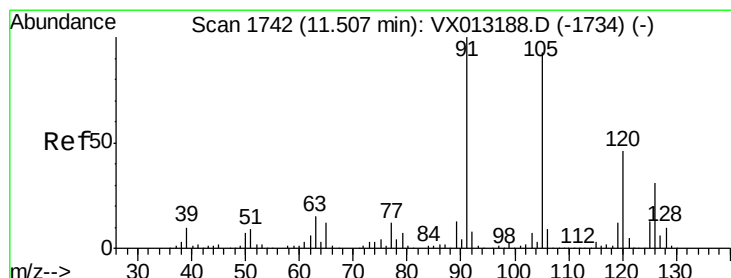
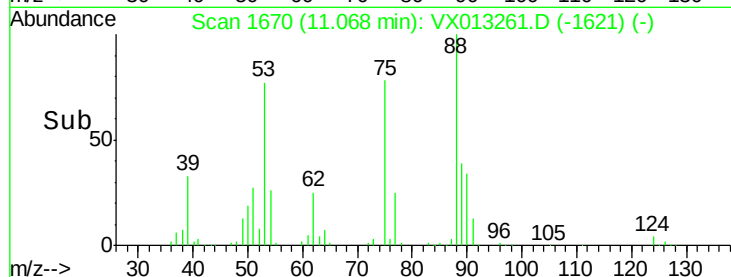
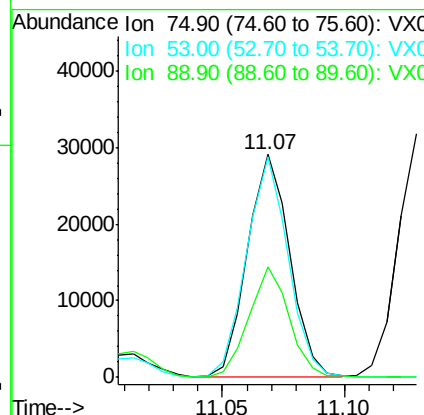
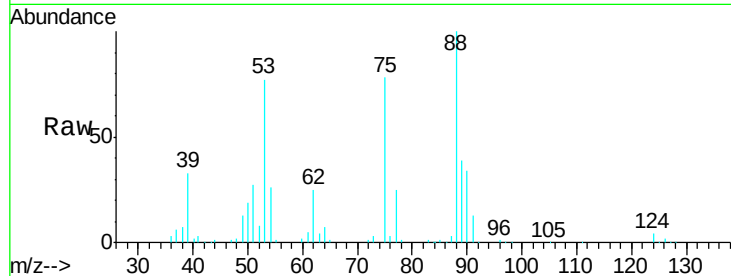
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	34843
Ion Ratio	Lower	Upper	
75	100		
53	98.1	77.9	116.9
89	47.5	37.3	55.9

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#82

4-Chlorotoluene

Concen: 48.805 ug/l

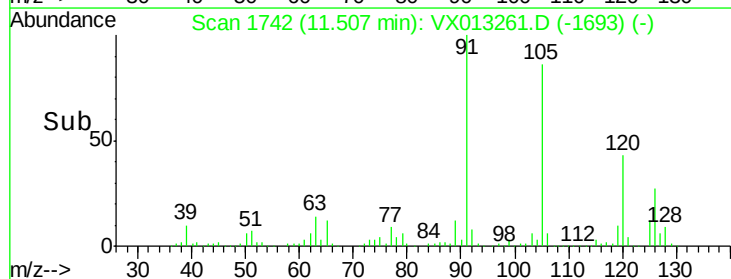
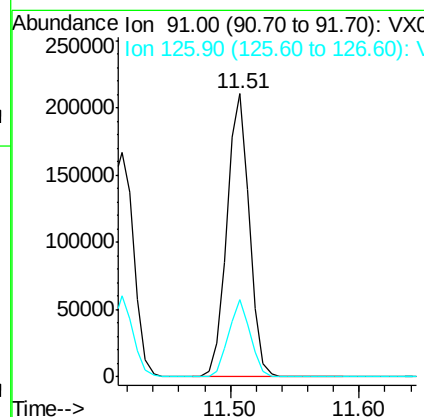
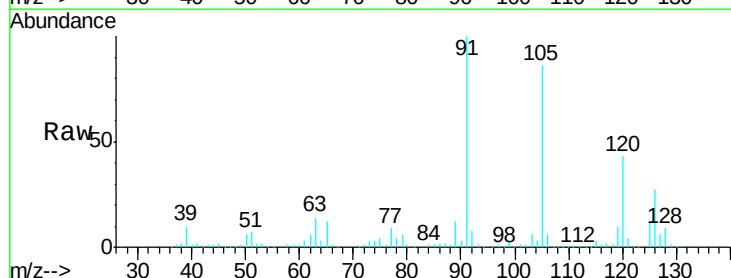
RT: 11.51 min Scan# 1742

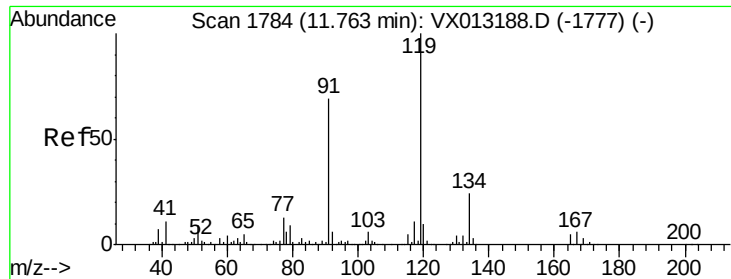
Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Tgt Ion:	91	Resp:	258324
Ion Ratio	Lower	Upper	
91	100		
126	26.7	14.6	44.0





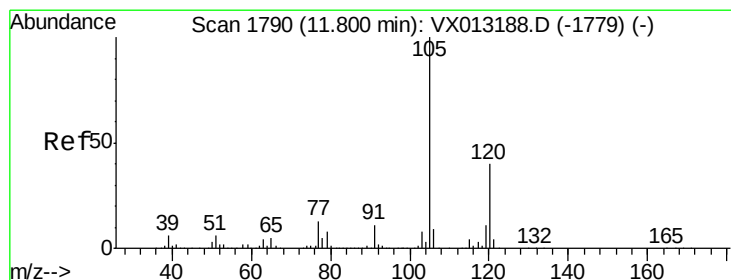
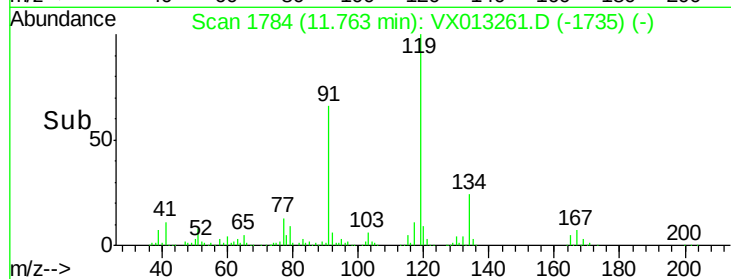
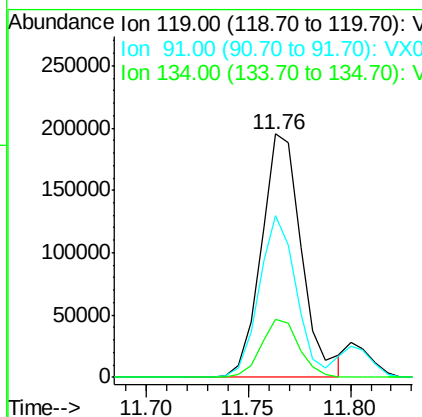
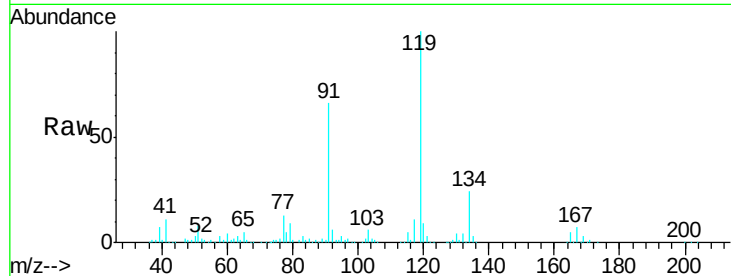
#83
 tert-Butylbenzene
 Concen: 47.814 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	267628		
91	61.2	30.8	92.4	
134	22.3	11.5	34.5	

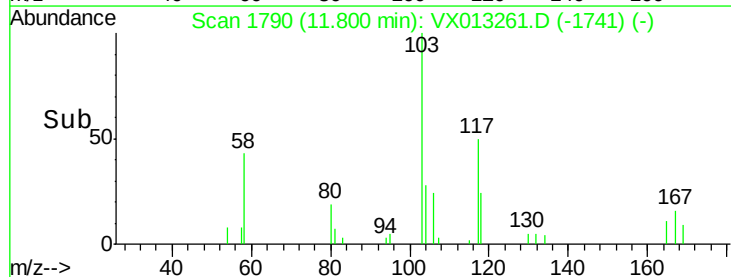
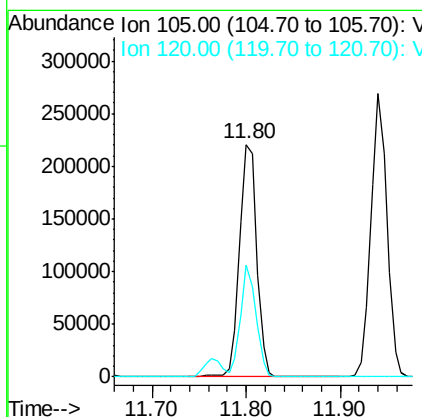
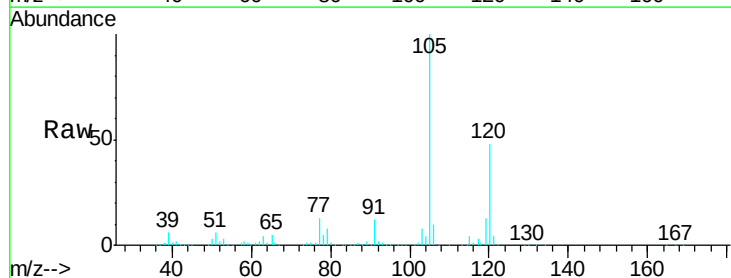
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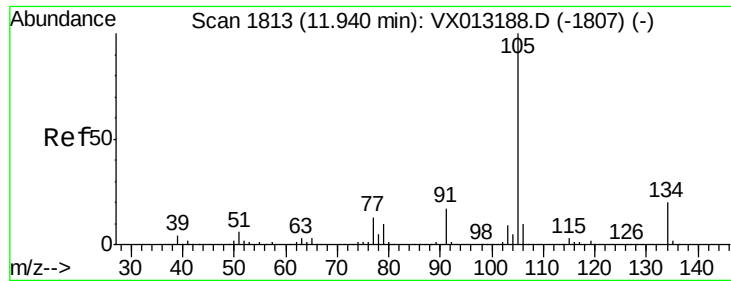
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.228 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280916		
120	43.3	21.4	64.3	





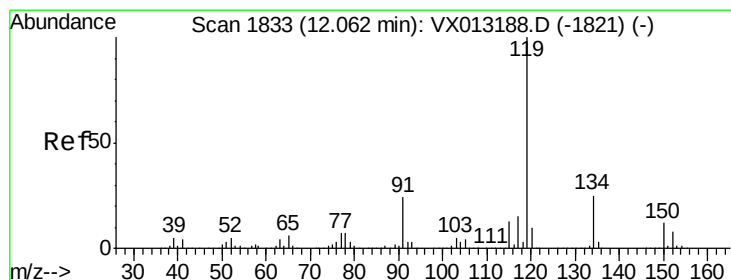
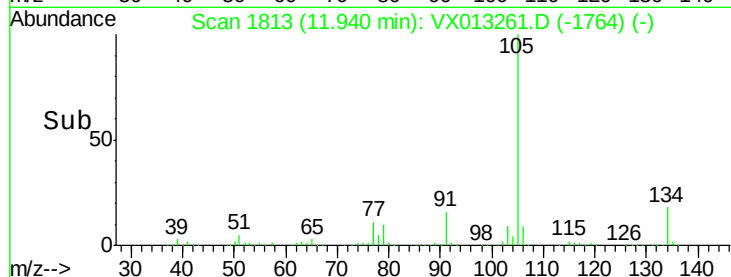
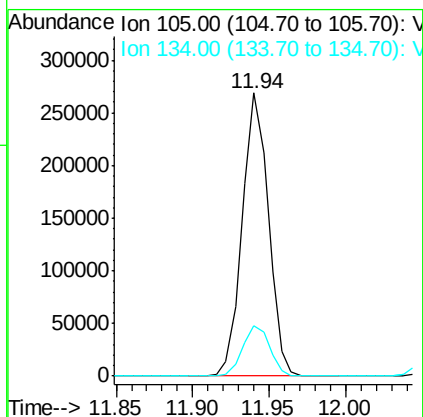
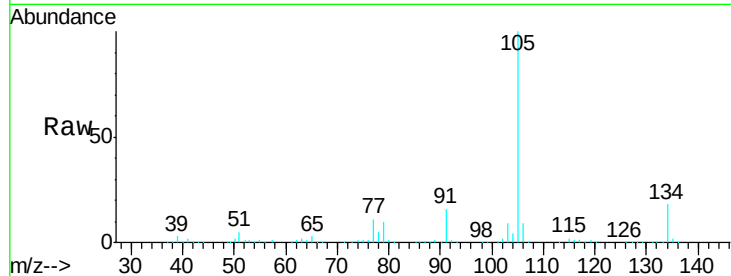
#85
 sec-Butylbenzene
 Concen: 50.115 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 319219
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.9 29.7

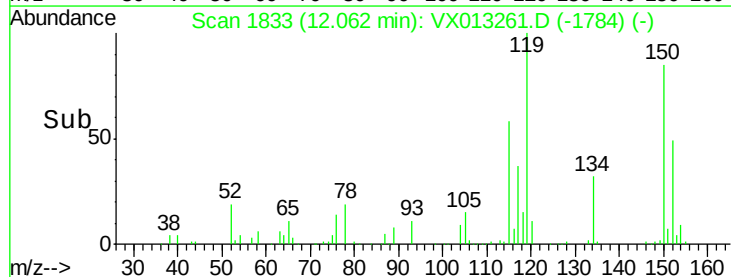
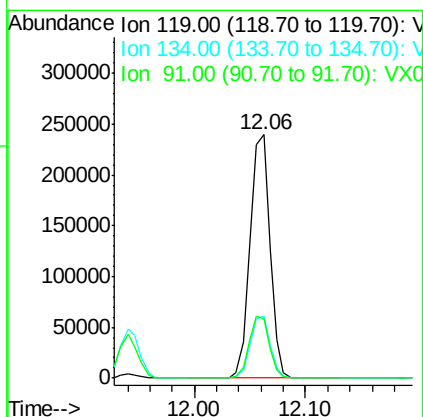
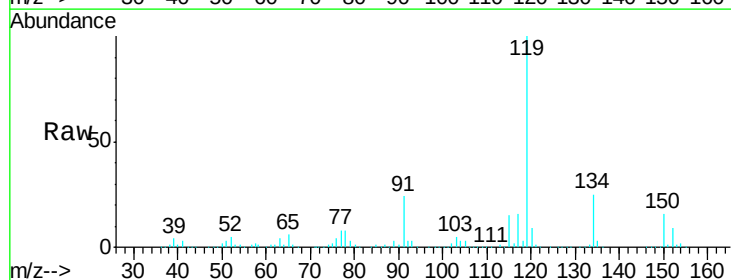
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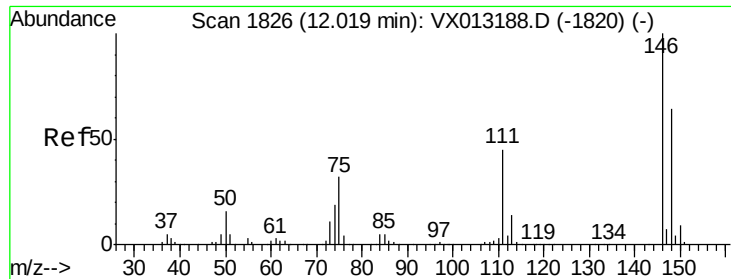
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#86
 p-Isopropyltoluene
 Concen: 49.920 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion:119 Resp: 298726
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 25.6 12.4 37.2





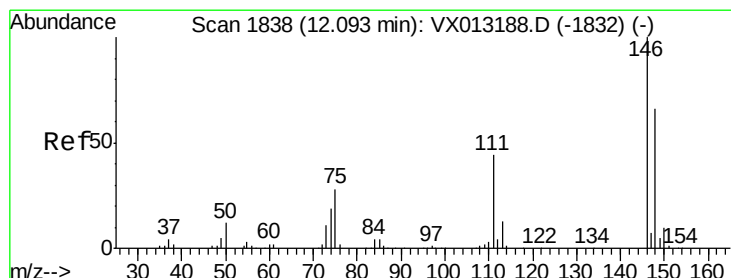
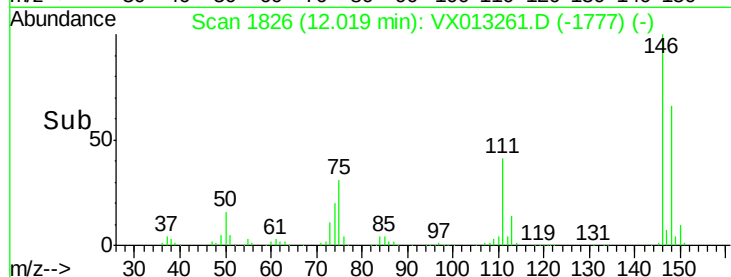
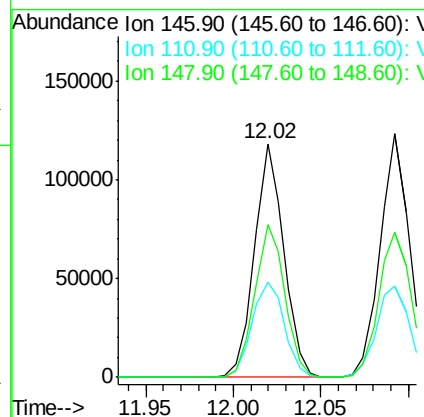
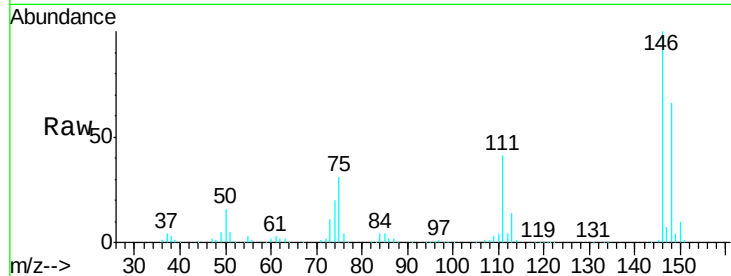
#87
 1,3-Dichlorobenzene
 Concen: 46.870 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	138129		
111	44.6	21.3	63.9	
148	66.8	31.6	94.8	

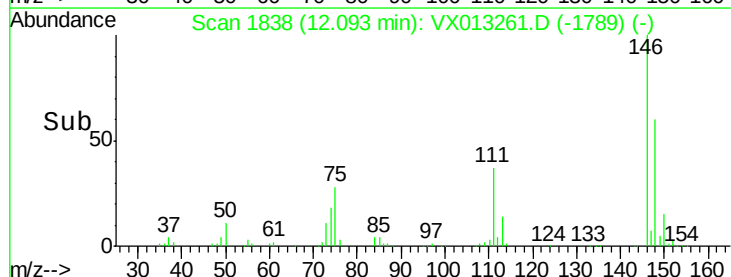
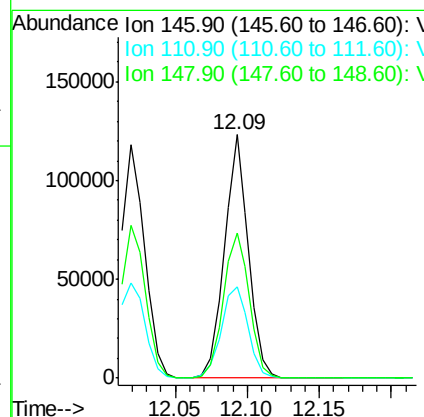
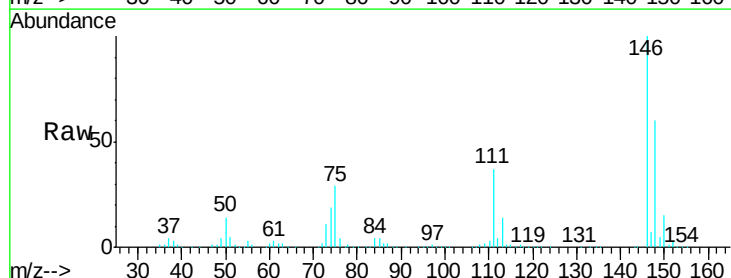
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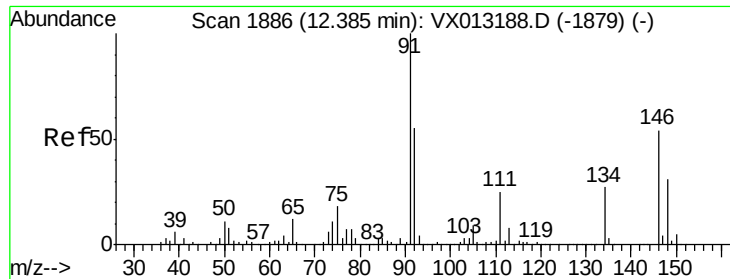
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.879 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	143663		
111	42.3	21.3	63.9	
148	65.3	32.5	97.5	





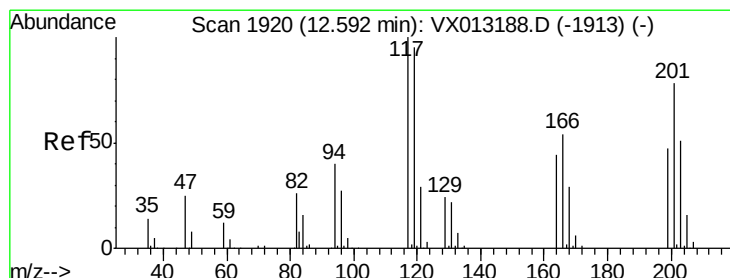
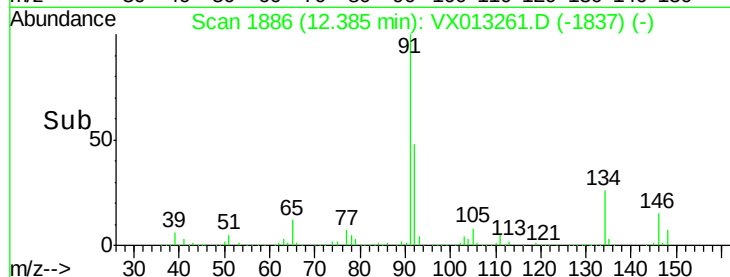
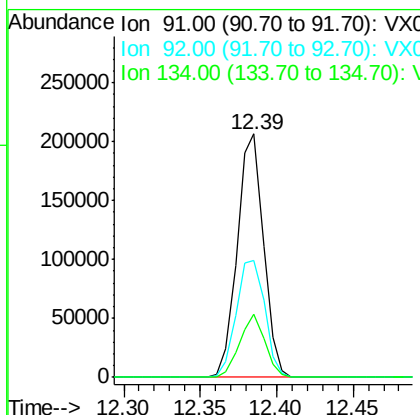
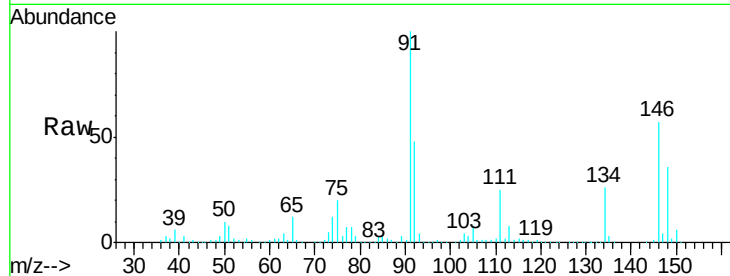
#89
n-Butylbenzene
Concen: 50.176 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 245624
Ion Ratio Lower Upper
91 100
92 52.5 27.7 83.1
134 24.7 13.2 39.6

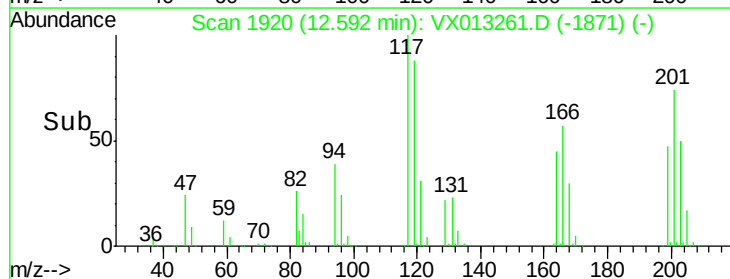
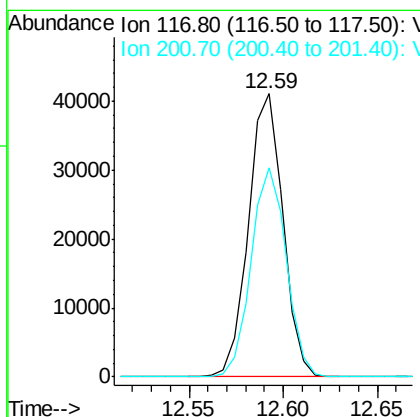
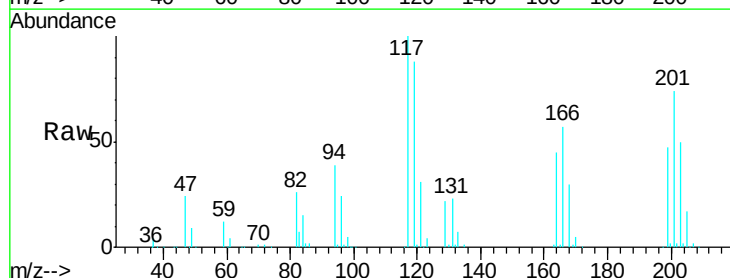
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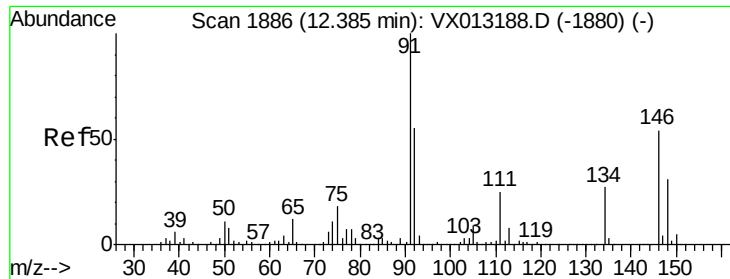
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#90
Hexachloroethane
Concen: 51.879 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion: 117 Resp: 51990
Ion Ratio Lower Upper
117 100
201 75.3 39.0 116.9





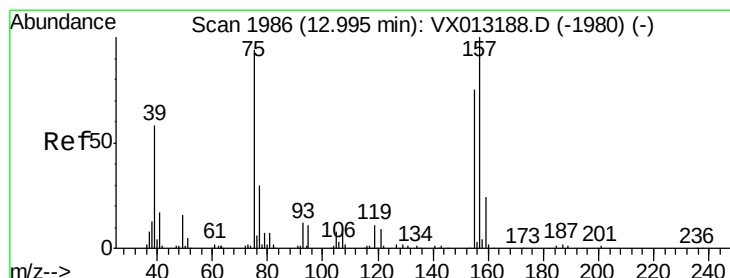
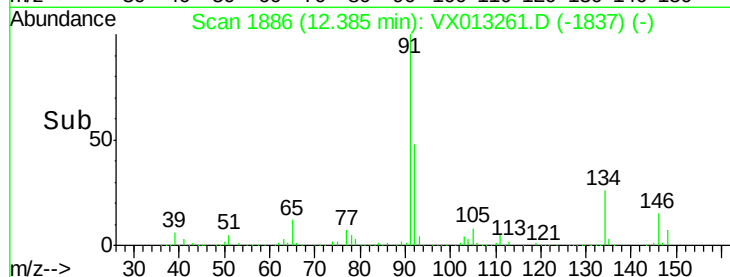
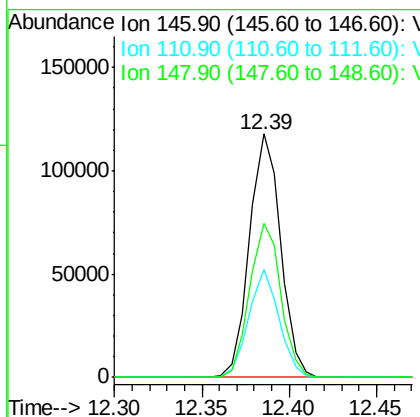
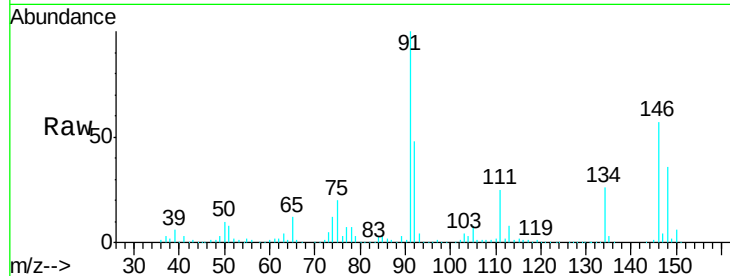
#91
 1,2-Dichlorobenzene
 Concen: 50.383 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.9	68.8
148	63.3	31.8	95.3

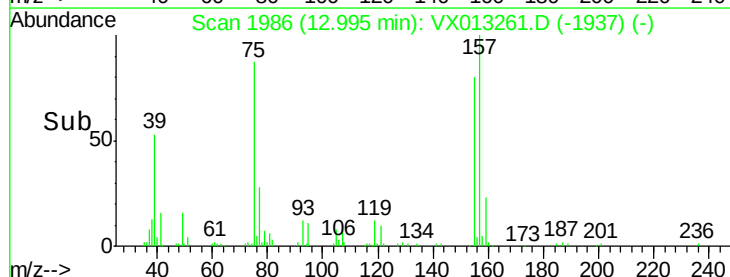
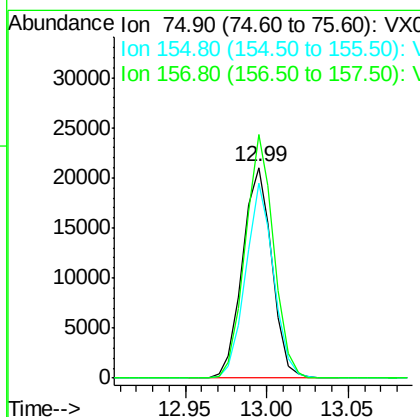
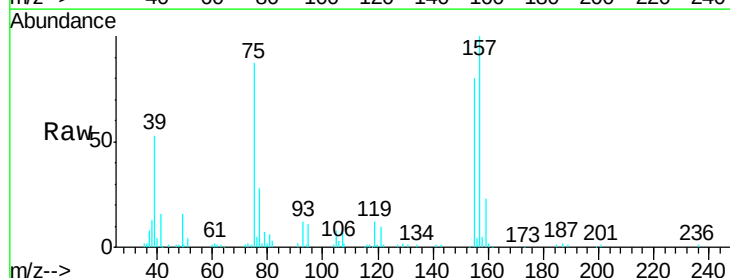
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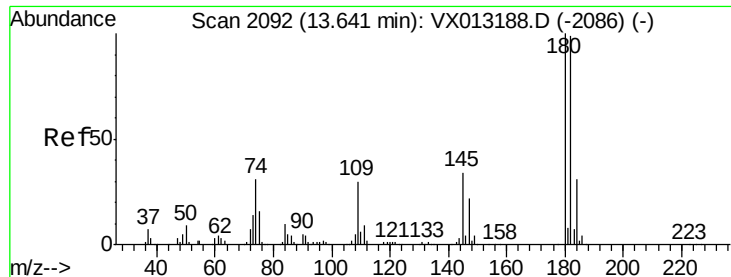
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.670 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013261.D
 Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	42.8	128.4
157	111.1	54.3	162.8





#93

1,2,4-Trichlorobenzene

Concen: 50.448 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013261.D

Acq: 29 Oct 2019 11:02

Instrument :

MSVOA_X

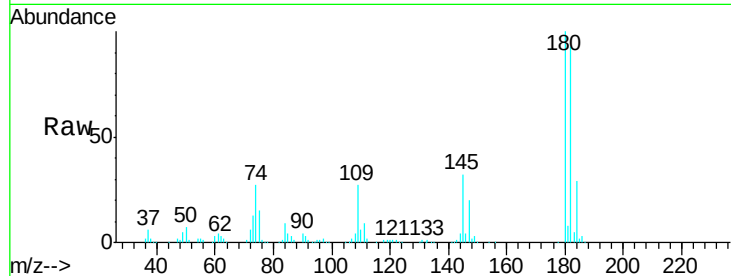
ClientSampleId :

VSTDCCC050

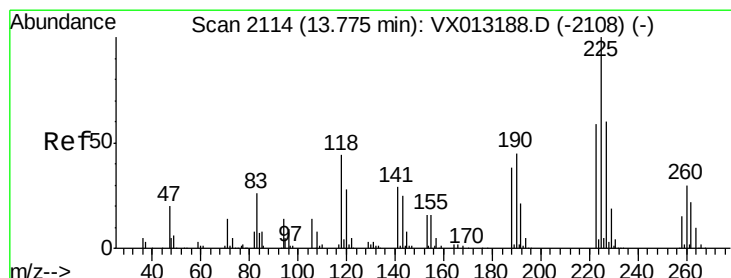
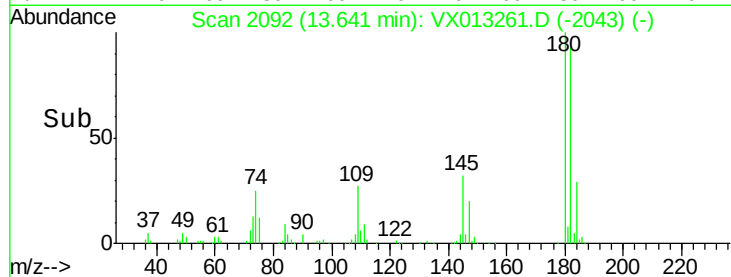
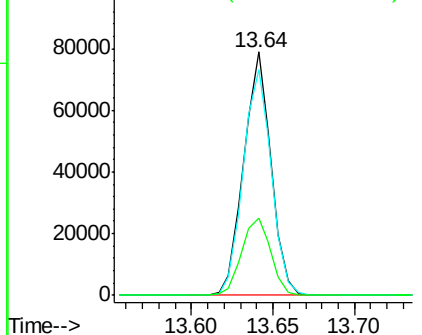
Tgt Ion:	180	Resp:	92060
Ion Ratio	Lower	Upper	
180	100		
182	96.1	45.9	137.6
145	33.7	15.9	47.6

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: 48.366 ug/l

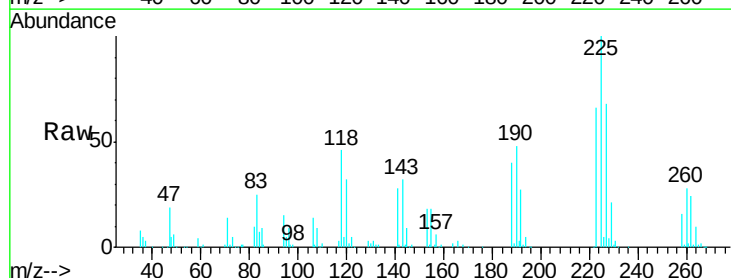
RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

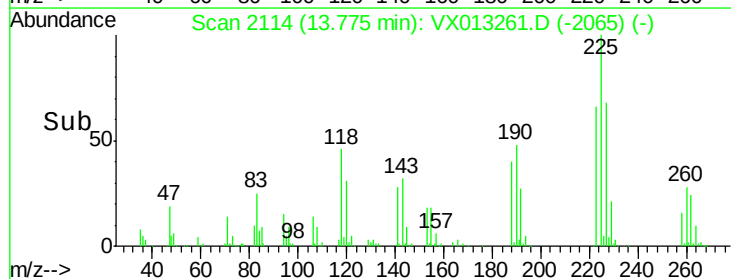
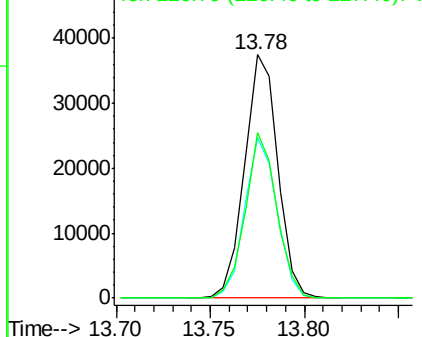
Lab File: VX013261.D

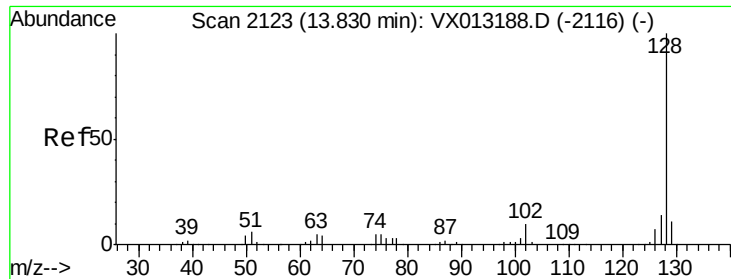
Acq: 29 Oct 2019 11:02

Tgt Ion:	225	Resp:	45656
Ion Ratio	Lower	Upper	
225	100		
223	64.2	30.9	92.5
227	64.5	30.3	90.9



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





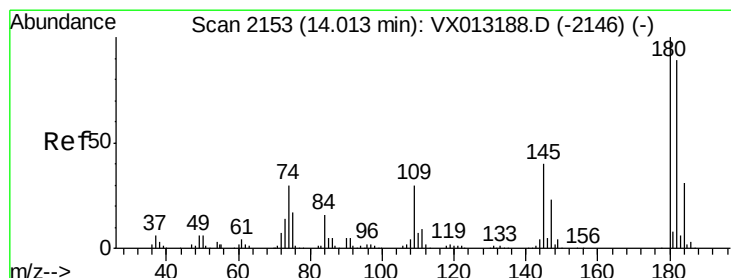
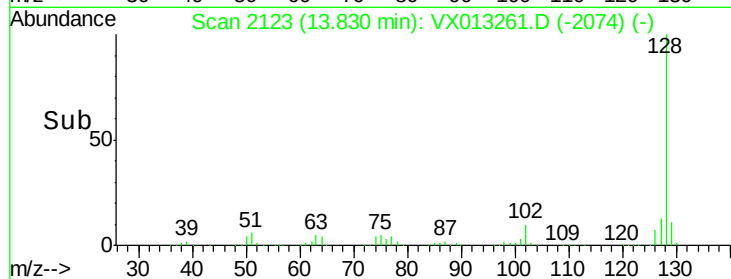
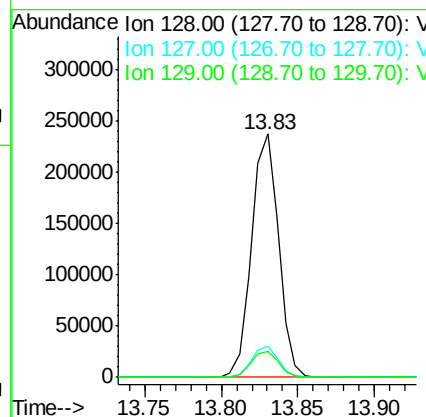
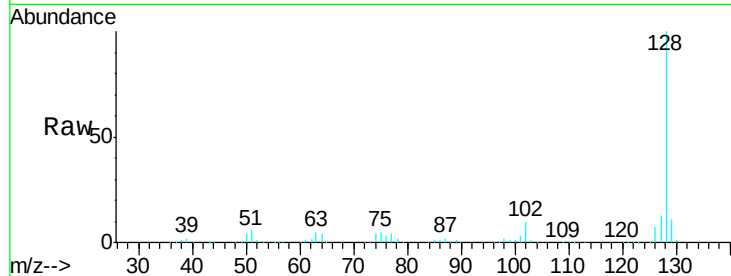
#95
Naphthalene
Concen: 51.898 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	290665		
127	12.8	10.7	16.1	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:49:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.271 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013261.D
Acq: 29 Oct 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92454		
182	93.8	48.3	144.9	
145	35.8	18.6	55.6	

