

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031519\
 Data File : VX008110.D
 Acq On : 15 Mar 2019 17:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:17 AM

Quant Time: Mar 16 01:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339274	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	115998	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	5.51	113	109385	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	8.71	98	405816	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	147677	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	100581	50.695	ug/l	100
3) Chloromethane	1.33	50	91219	39.048	ug/l	98
4) Vinyl Chloride	1.41	62	94910	42.579	ug/l	99
5) Bromomethane	1.64	94	56396	52.168	ug/l	100
6) Chloroethane	1.71	64	58568	48.793	ug/l	100
7) Trichlorofluoromethane	1.93	101	133193	49.787	ug/l	96
8) Diethyl Ether	2.19	74	70019	52.652	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	111573	55.802	ug/l	95
10) Methyl Iodide	2.51	142	166005	59.431	ug/l	97
11) Tert butyl alcohol	3.09	59	131436	272.095	ug/l	99
12) 1,1-Dichloroethene	2.37	96	102448	54.211	ug/l	92
13) Acrolein	2.30	56	103377	232.332	ug/l	99
14) Allyl chloride	2.73	41	171806	49.912	ug/l	95
15) Acrylonitrile	3.15	53	299958	254.656	ug/l	99
16) Acetone	2.45	43	295949	250.722	ug/l	98
17) Carbon Disulfide	2.57	76	288703	53.206	ug/l	99
18) Methyl Acetate	2.78	43	137516	53.902	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	335082	52.443	ug/l	99
20) Methylene Chloride	2.85	84	108064	51.260	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	109699	53.876	ug/l	87
22) Diisopropyl ether	3.87	45	342532	50.073	ug/l	98
23) Vinyl Acetate	3.82	43	1507065	259.048	ug/l	97
24) 1,1-Dichloroethane	3.70	63	199172	53.116	ug/l	99
25) 2-Butanone	4.70	43	459245	253.471	ug/l	95
26) 2,2-Dichloropropane	4.59	77	153007	53.410	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	128569	53.119	ug/l	95
28) Bromochloromethane	5.02	49	88489	49.965	ug/l	84
29) Tetrahydrofuran	5.16	42	285016	251.995	ug/l	93
30) Chloroform	5.21	83	197373	51.963	ug/l	99
31) Cyclohexane	5.57	56	185534	51.898	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	172000	53.760	ug/l	97
36) 1,1-Dichloropropene	5.80	75	152287	54.562	ug/l	97
37) Ethyl Acetate	4.86	43	161925	53.978	ug/l	97
38) Carbon Tetrachloride	5.78	117	154503	57.510	ug/l	99

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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	7.46	83	201461	56.469	ug/l	96
40) Benzene	6.14	78	461652	53.990	ug/l	100
41) Methacrylonitrile	5.06	41	91388	52.325	ug/l	95
42) 1,2-Dichloroethane	6.20	62	146006	53.378	ug/l	98
43) Isopropyl Acetate	6.46	43	249421	51.629	ug/l	96
44) Trichloroethene	7.21	130	135884	55.065	ug/l	92
45) 1,2-Dichloropropane	7.52	63	117599	52.132	ug/l	98
46) Dibromomethane	7.66	93	77886	55.087	ug/l	94
47) Bromodichloromethane	7.90	83	147527	54.865	ug/l	98
48) Methyl methacrylate	7.77	41	130984	51.914	ug/l	93
49) 1,4-Dioxane	7.75	88	62211	1143.196	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	817348	256.708	ug/l	96
52) Toluene	8.79	92	293485	53.997	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	163257	55.385	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	182700	55.770	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	120028	54.236	ug/l	96
56) Ethyl methacrylate	9.18	69	176613	54.025	ug/l	94
57) 1,3-Dichloropropane	9.37	76	191408	52.261	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	551209	286.611	ug/l	95
59) 2-Hexanone	9.49	43	640245	257.119	ug/l	96
60) Dibromochloromethane	9.59	129	128388	56.288	ug/l	99
61) 1,2-Dibromoethane	9.67	107	127346	54.916	ug/l	100
64) Tetrachloroethene	9.34	164	136780	56.435	ug/l	97
65) Chlorobenzene	10.14	112	329838	55.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	121968	57.896	ug/l	100
67) Ethyl Benzene	10.25	91	552505	56.233	ug/l	100
68) m/p-Xylenes	10.36	106	434743	115.633	ug/l	99
69) o-Xylene	10.70	106	209168	57.070	ug/l	98
70) Styrene	10.71	104	349608	58.228	ug/l	99
71) Bromoform	10.86	173	106503	61.089	ug/l #	100
73) Isopropylbenzene	11.02	105	573224	54.882	ug/l	99
74) N-amyl acetate	10.90	43	217666	49.403	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	175799	51.369	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	169858m	59.975	ug/l	
77) Bromobenzene	11.26	156	156048	54.737	ug/l	95
78) n-propylbenzene	11.36	91	637340	55.619	ug/l	99
79) 2-Chlorotoluene	11.42	91	374818	53.559	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	481245	55.915	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	55698	55.964	ug/l	96
82) 4-Chlorotoluene	11.51	91	432722	53.989	ug/l	98
83) tert-Butylbenzene	11.77	119	490465	56.866	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	492325	55.456	ug/l	99
85) sec-Butylbenzene	11.94	105	577641	56.212	ug/l	100
86) p-Isopropyltoluene	12.07	119	533784	57.435	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	281217	55.425	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	282385	54.809	ug/l	100
89) n-Butylbenzene	12.39	91	441357	56.755	ug/l	98
90) Hexachloroethane	12.60	117	84075	56.525	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	280134	55.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39307	56.810	ug/l	90

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ClientSampleId :
VSTDCCC050

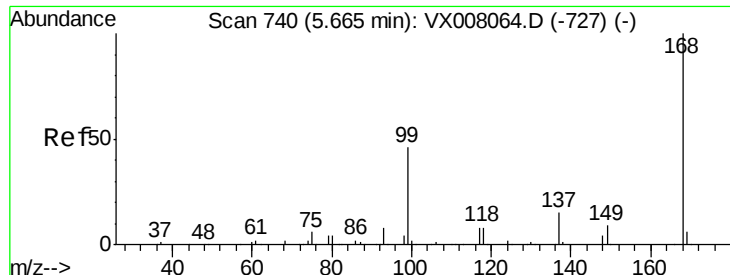
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	212282	59.531	ug/l	99
94) Hexachlorobutadiene	13.78	225	115858	59.801	ug/l	99
95) Naphthalene	13.83	128	605362	60.375	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	210255	59.895	ug/l	99

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



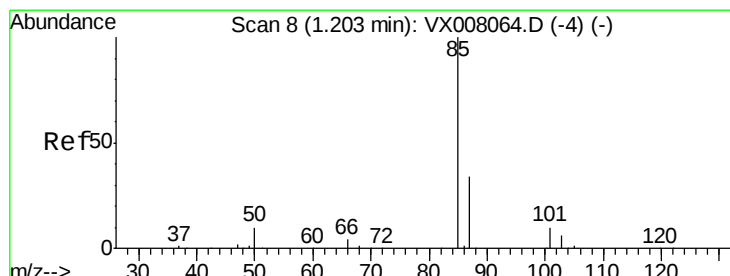
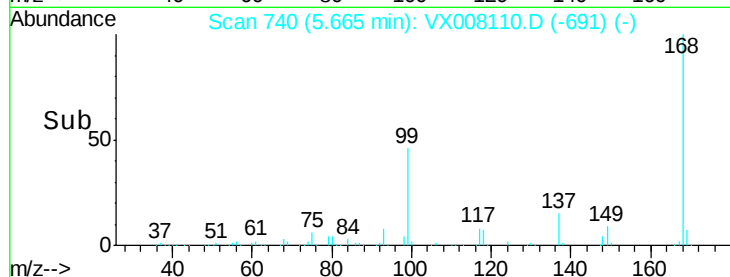
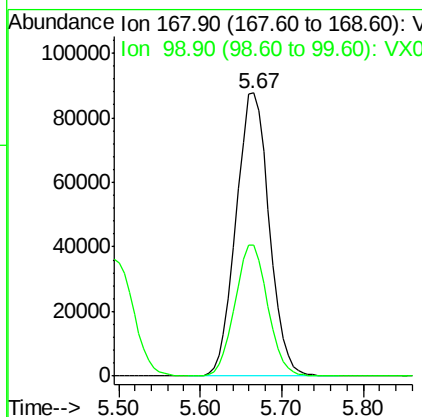
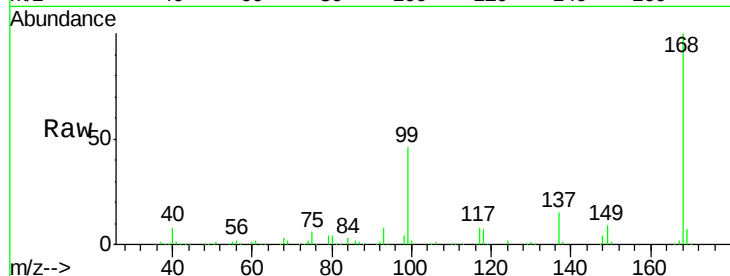
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	46.1	37.6	56.4	

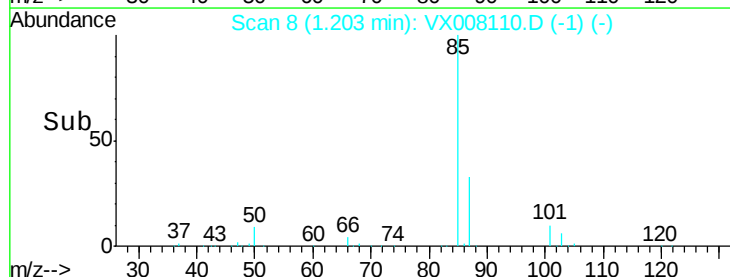
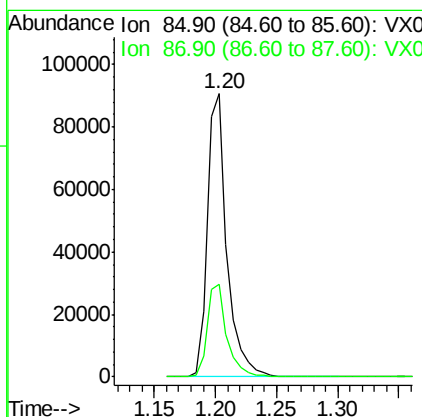
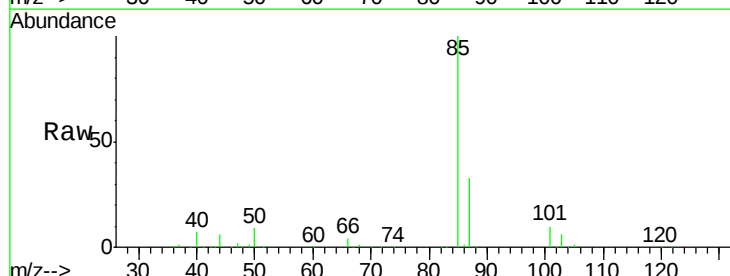
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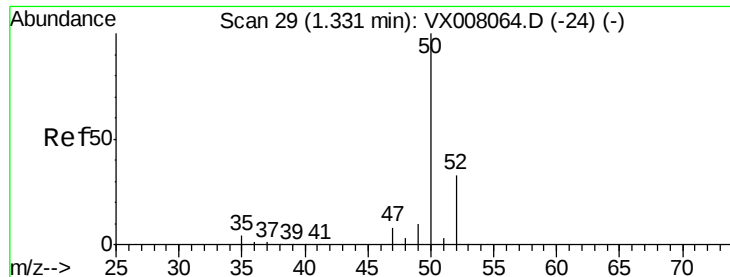
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#2
Dichlorodifluoromethane
Concen: 50.695 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.6	16.4	49.1	





#3

Chloromethane

Concen: 39.048 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 91219

Ion Ratio Lower Upper

50 100

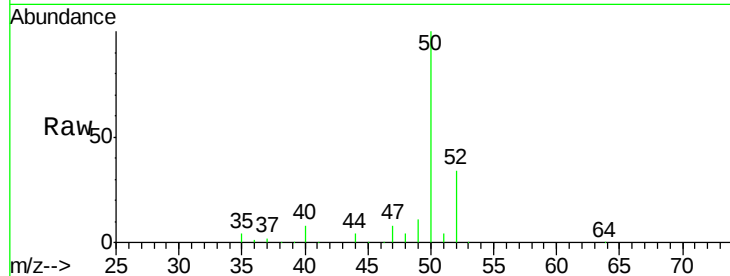
52 34.0 26.5 39.7

Manual Integrations

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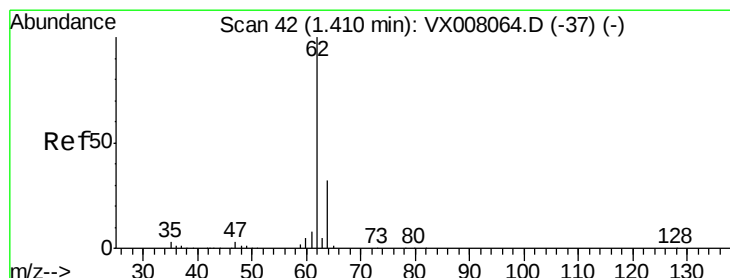
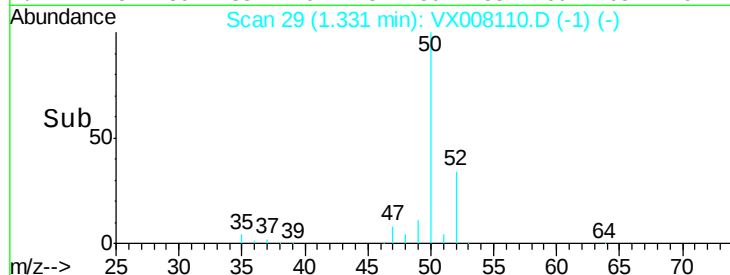
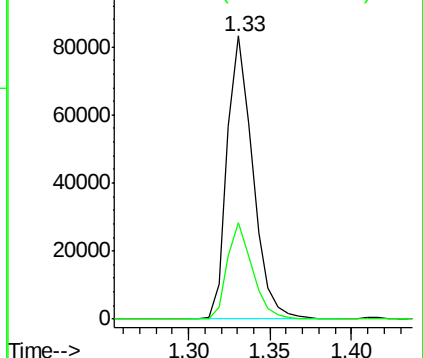
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.579 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008110.D

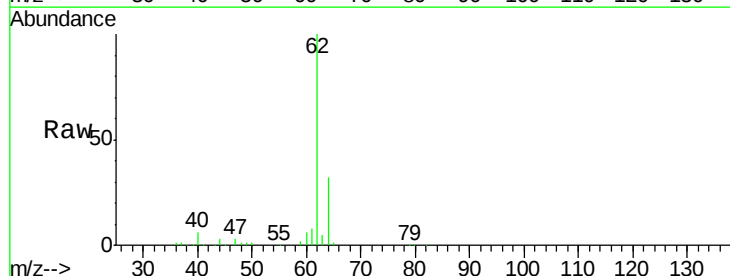
Acq: 15 Mar 2019 17:13

Tgt Ion: 62 Resp: 94910

Ion Ratio Lower Upper

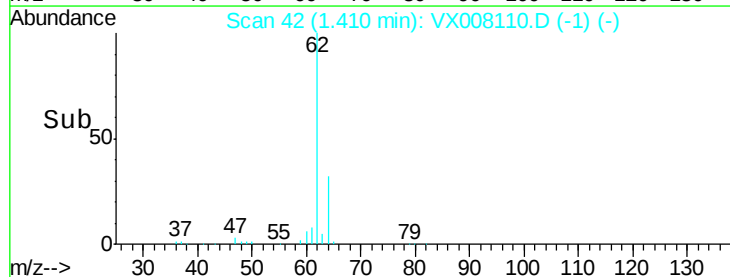
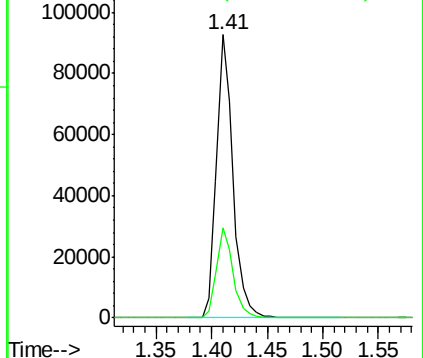
62 100

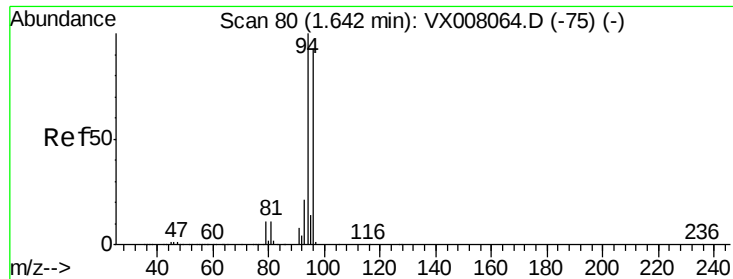
64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.168 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 56396

Ion Ratio Lower Upper

94 100

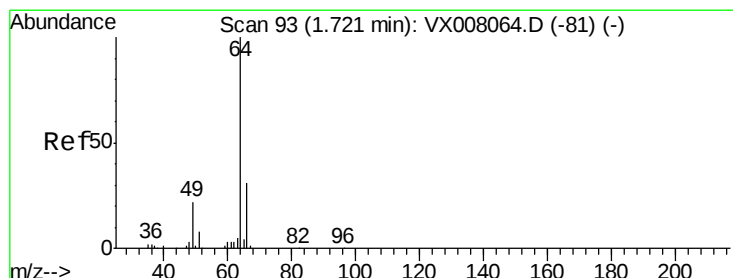
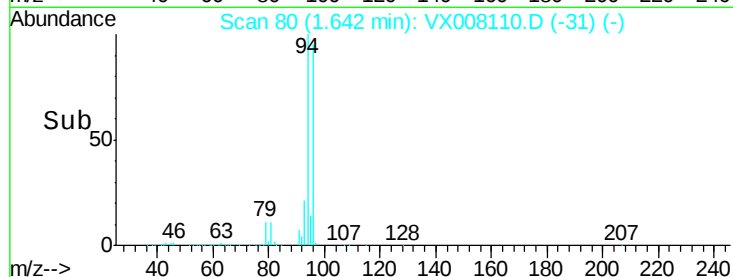
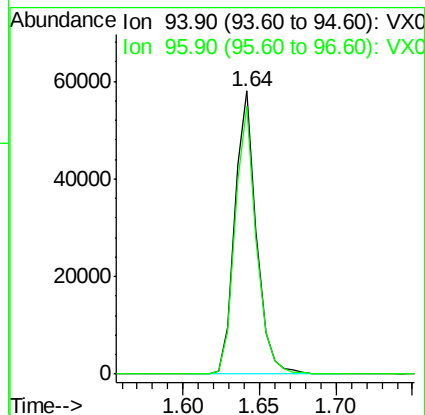
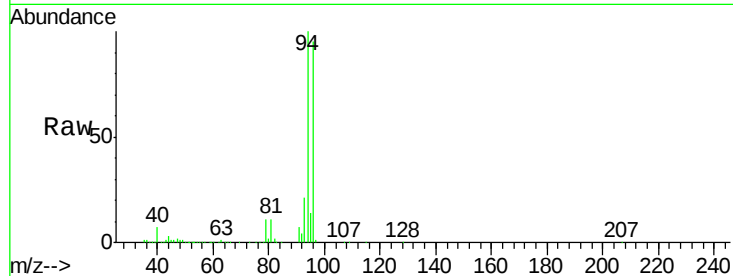
96 94.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 48.793 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008110.D

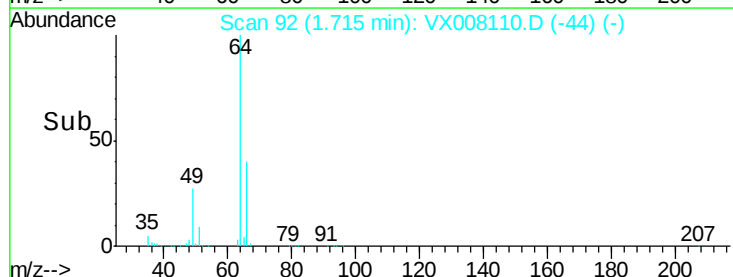
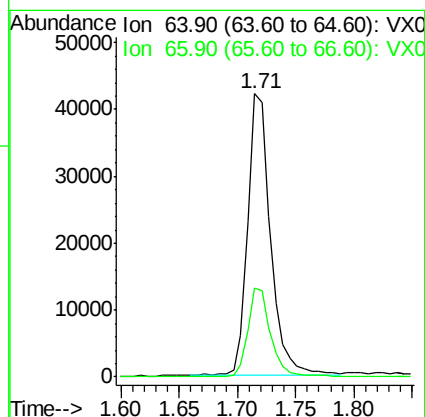
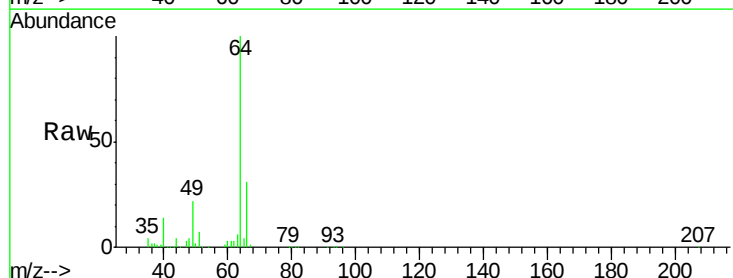
Acq: 15 Mar 2019 17:13

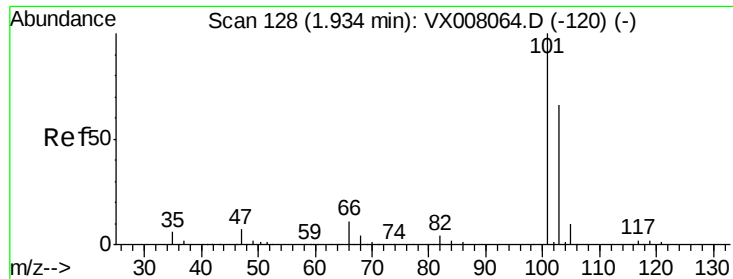
Tgt Ion: 64 Resp: 58568

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8





#7

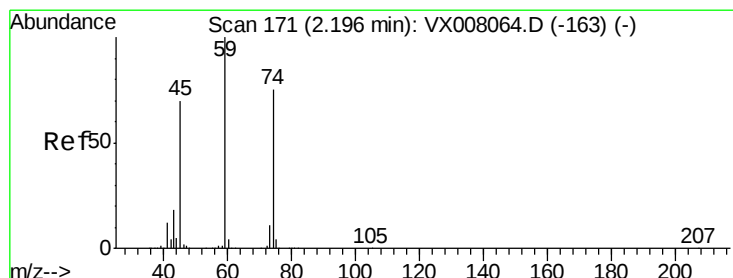
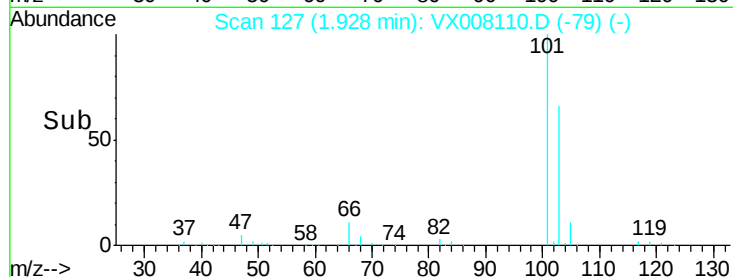
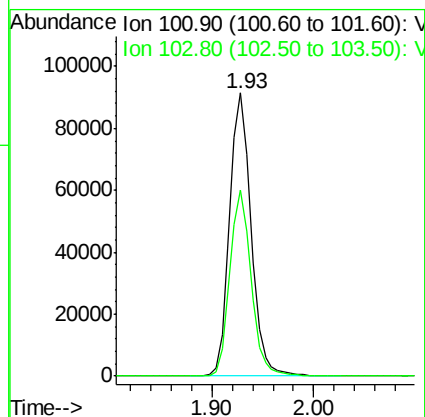
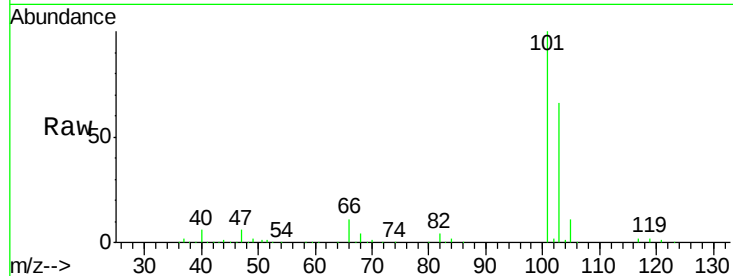
Trichlorofluoromethane
Concen: 49.787 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 133193
Ion Ratio Lower Upper
101 100
103 65.7 50.4 75.6

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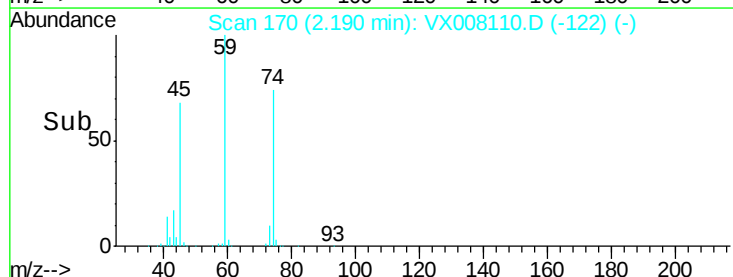
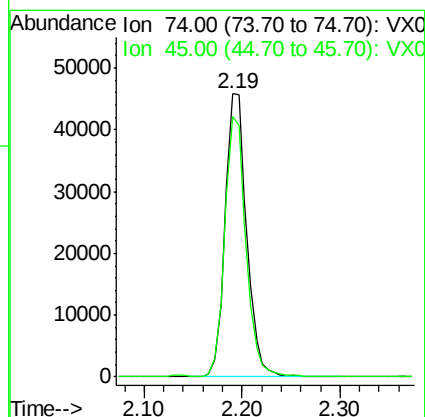
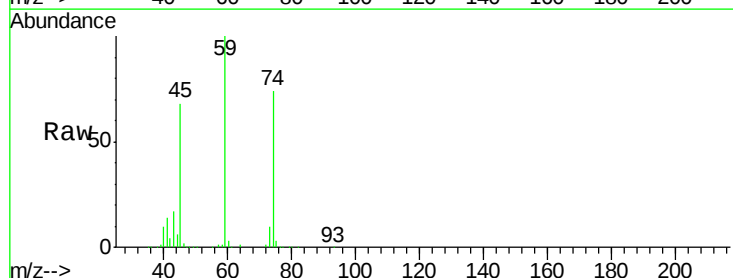
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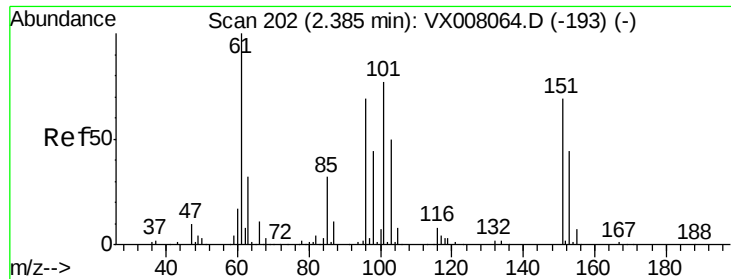


#8

Diethyl Ether
Concen: 52.652 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion: 74 Resp: 70019
Ion Ratio Lower Upper
74 100
45 89.8 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.802 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

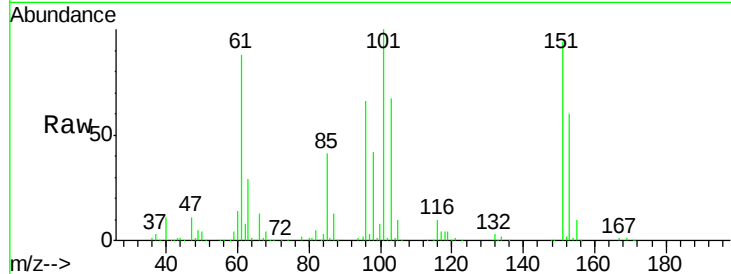
ClientSampleId :

VSTDCCC050

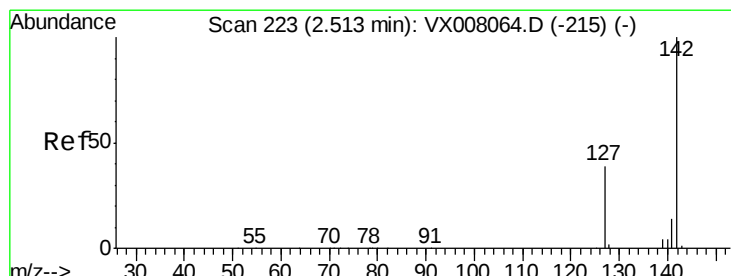
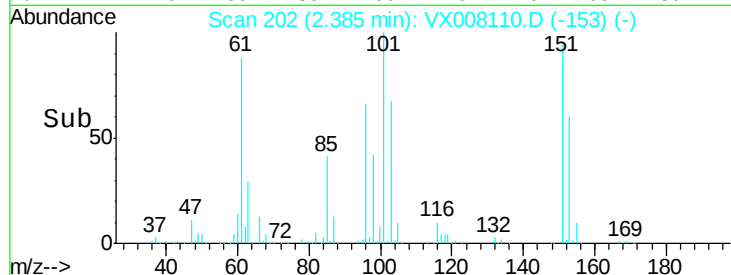
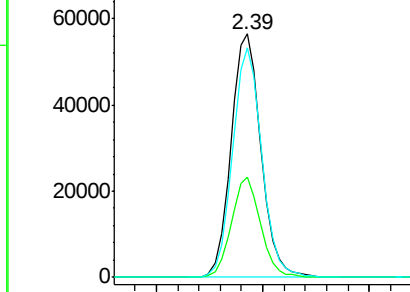
Tot Ion:	101	Resp:	111573
Ion Ratio	Lower	Upper	
101	100		
85	40.1	33.8	50.6
151	92.1	69.1	103.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 59.431 ug/l

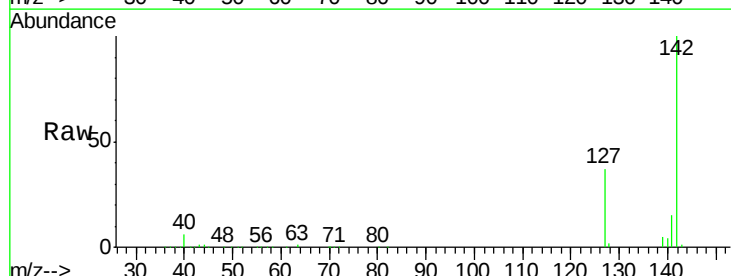
RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

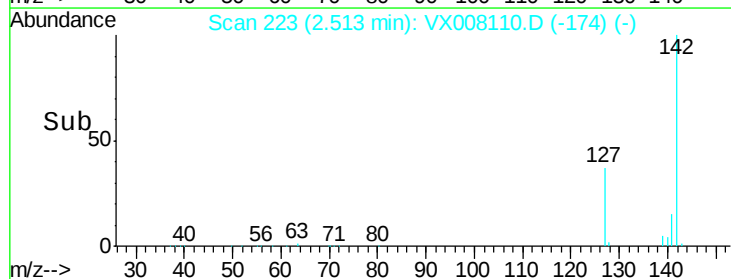
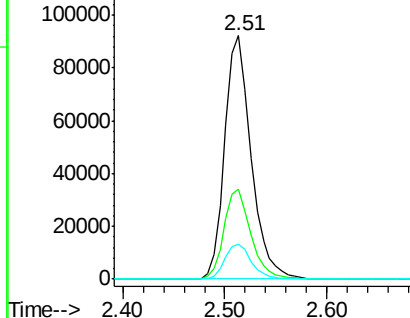
Lab File: VX008110.D

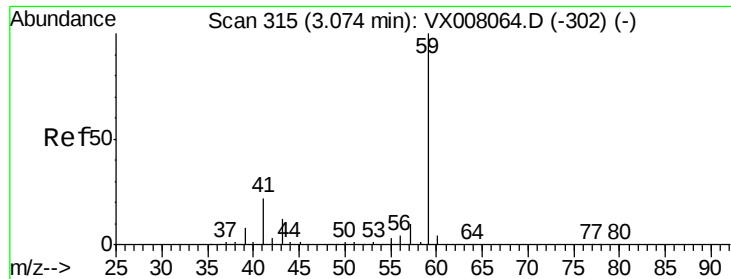
Acq: 15 Mar 2019 17:13

Tgt Ion:	142	Resp:	166005
Ion Ratio	Lower	Upper	
142	100		
127	37.6	32.1	48.1
141	14.6	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

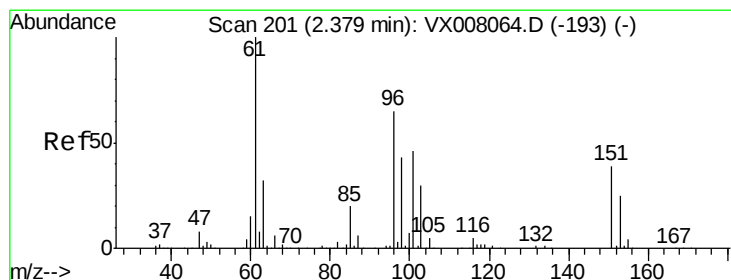
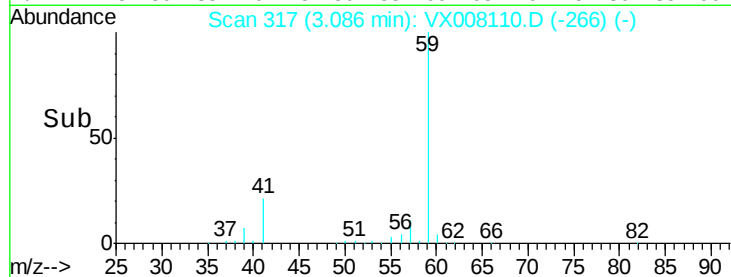
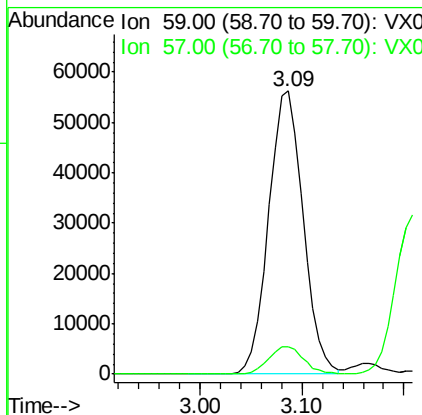
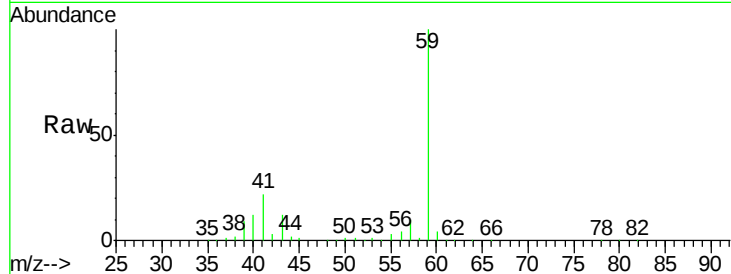
Tert butyl alcohol
Concen: 272.095 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.0	Resp	131436	Lower	Upper

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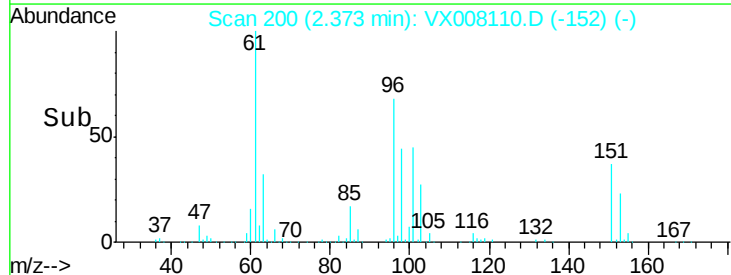
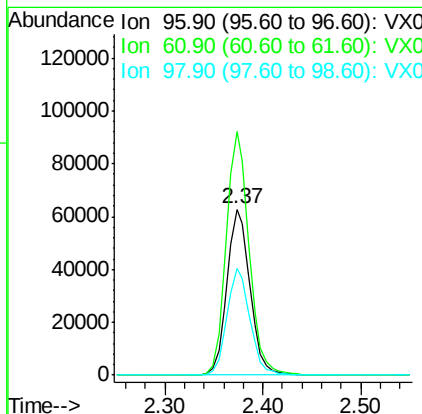
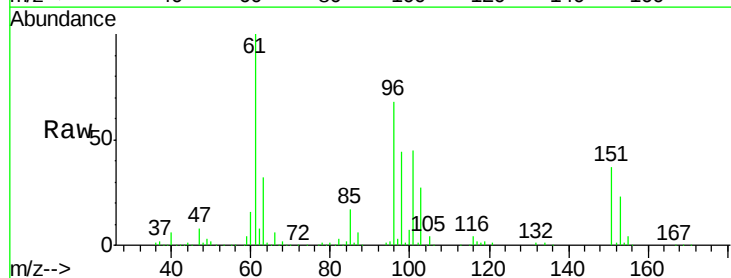
MMDadoda
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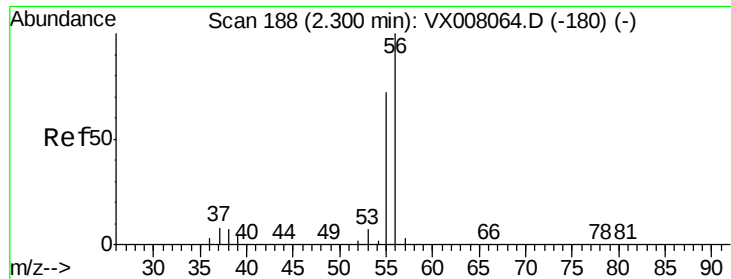


#12

1,1-Dichloroethene
Concen: 54.211 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	96	61	98	Ratio	100	147.0	64.6	Resp	102448	Lower	Upper





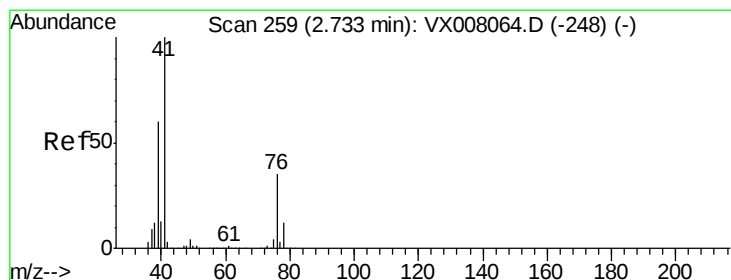
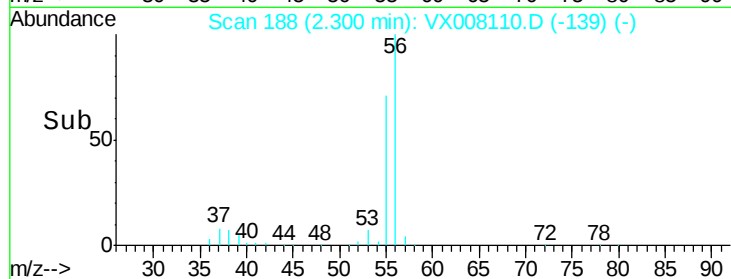
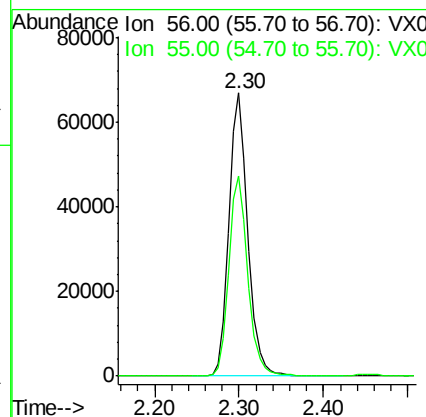
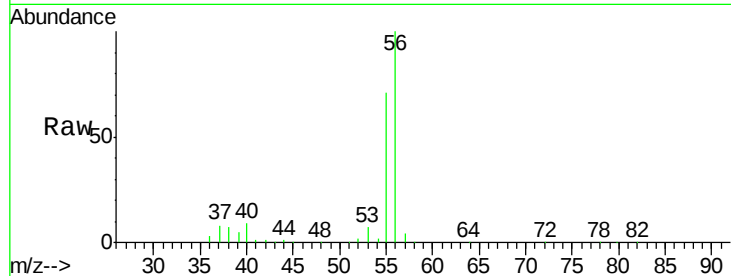
#13
Acrolein
Concen: 232.332 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	103377	Lower	Upper
Ion Ratio	100	71.3				
					57.8	86.6

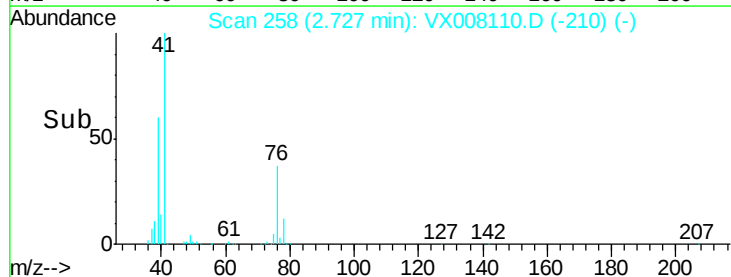
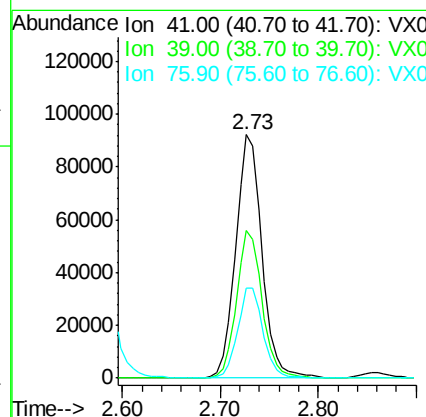
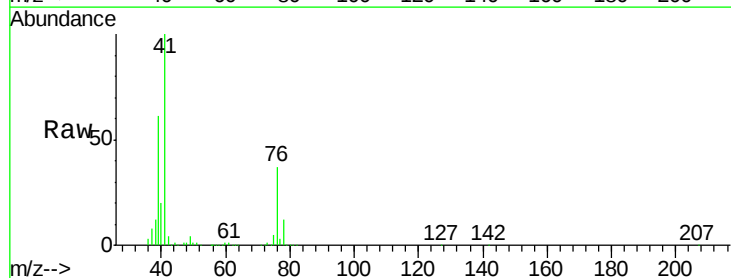
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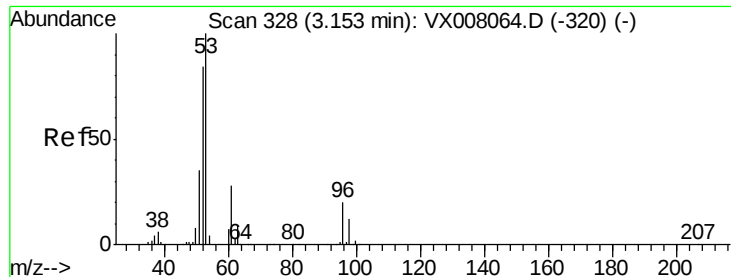
MMDadoda
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#14
Allyl chloride
Concen: 49.912 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	41	39	76	Resp	171806	Lower	Upper
Ion Ratio	100	59.1	35.9				
						46.1	69.1
						24.0	36.0





#15

Acrylonitrile

Concen: 254.656 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

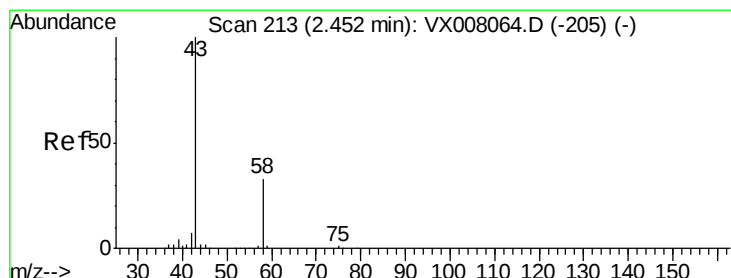
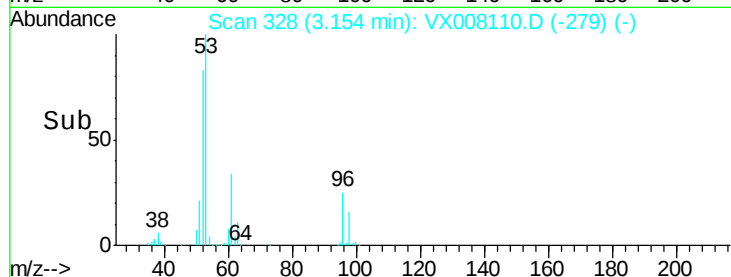
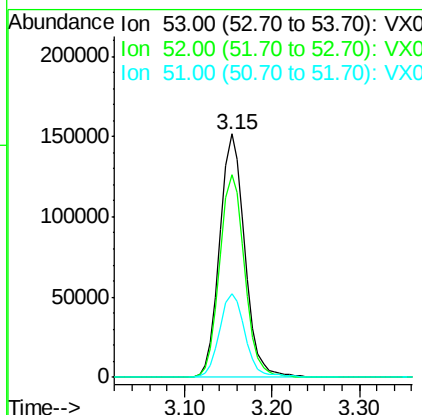
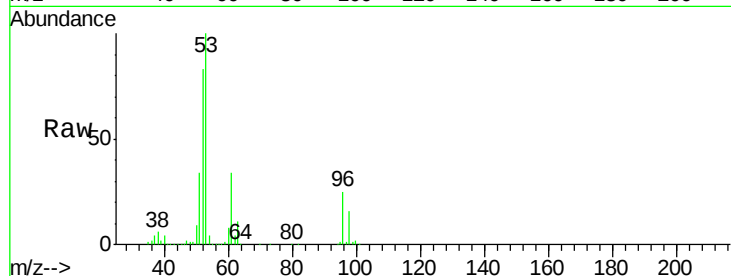
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	299958
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.0	99.0
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 250.722 ug/l

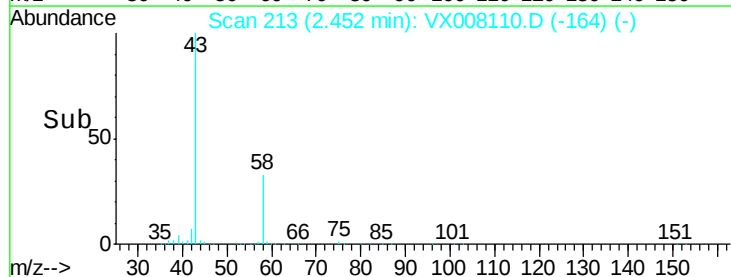
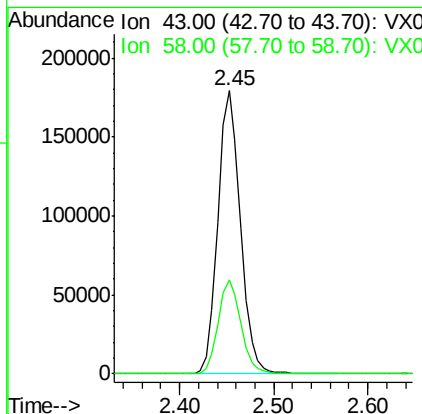
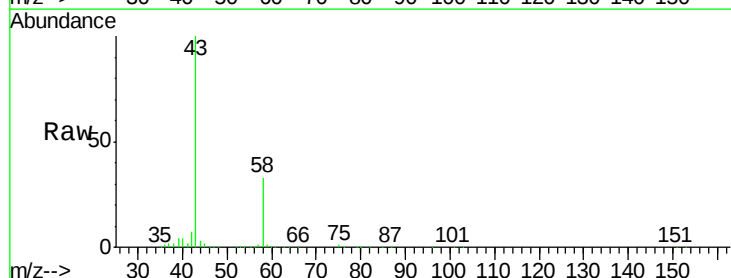
RT: 2.45 min Scan# 213

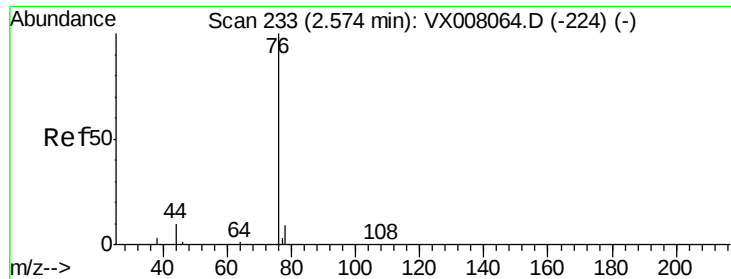
Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tgt Ion:	43	Resp:	295949
Ion Ratio		Lower	Upper
43	100		
58	33.2	25.5	38.3





#17

Carbon Disulfide

Concen: 53.206 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 288703

Ion Ratio Lower Upper

76 100

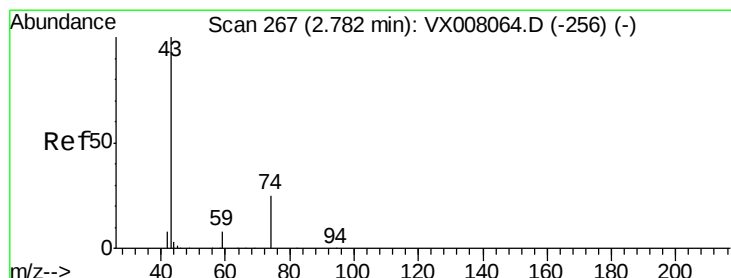
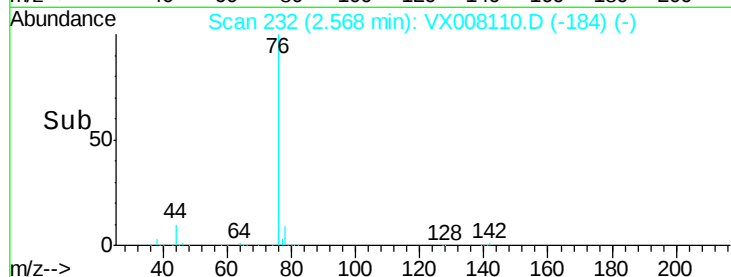
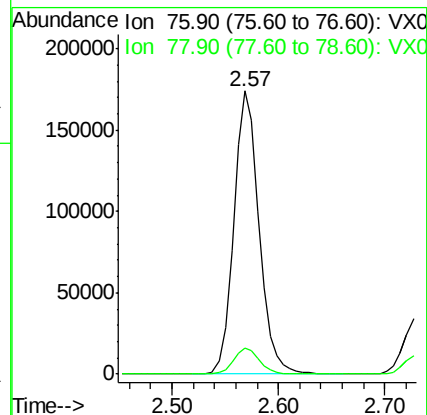
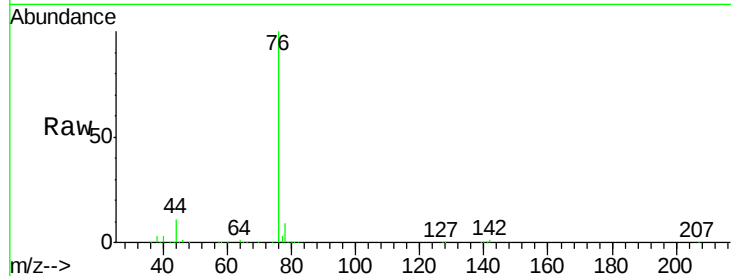
78 9.3 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 53.902 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008110.D

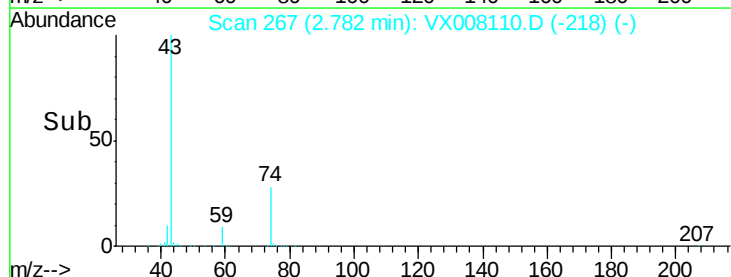
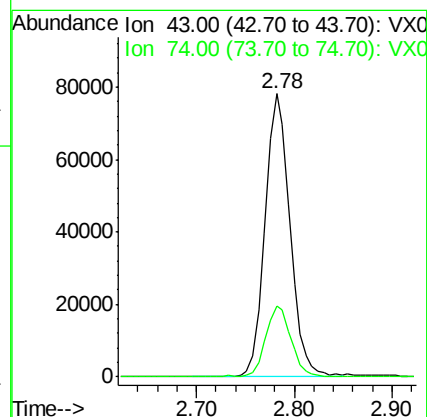
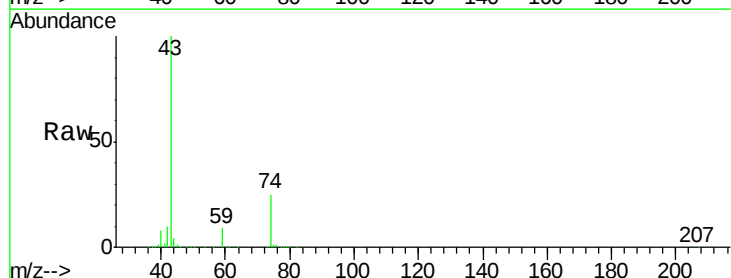
Acq: 15 Mar 2019 17:13

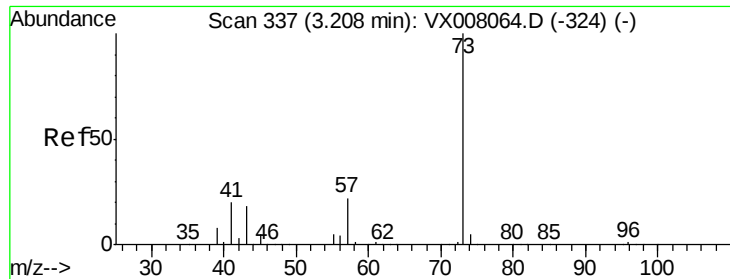
Tgt Ion: 43 Resp: 137516

Ion Ratio Lower Upper

43 100

74 25.8 17.8 26.6





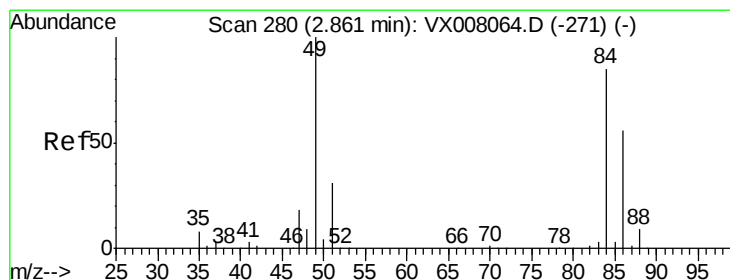
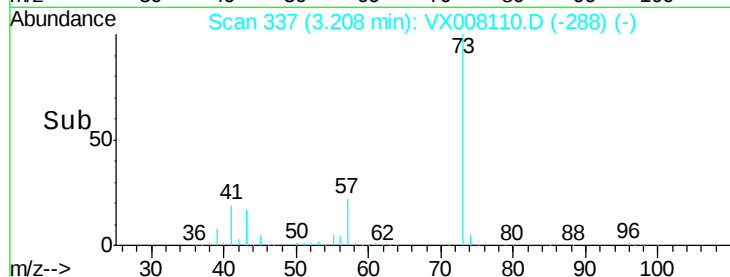
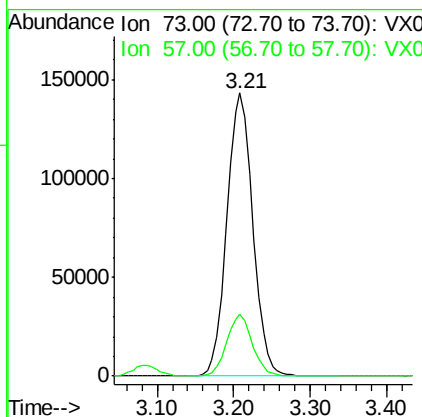
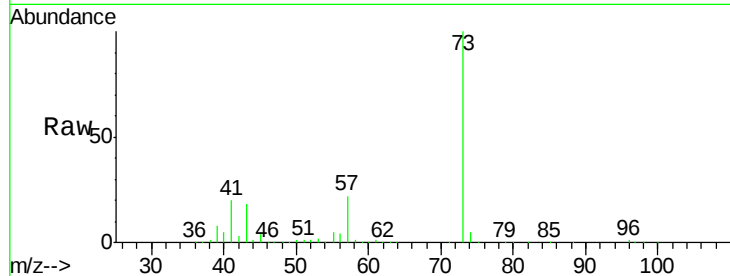
#19
Methvl tert-butvl Ether
Concen: 52.443 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 335082
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.4

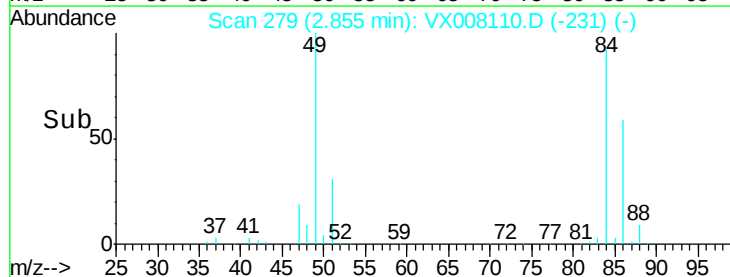
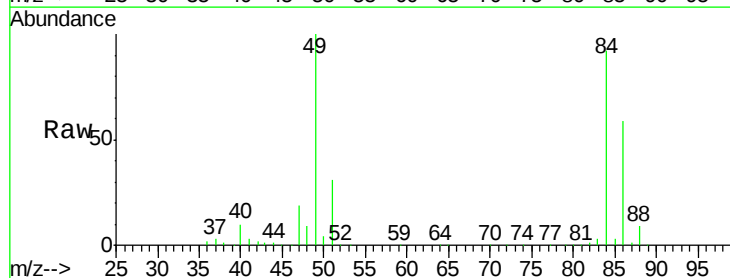
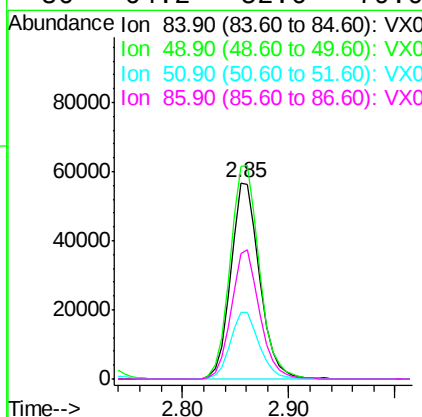
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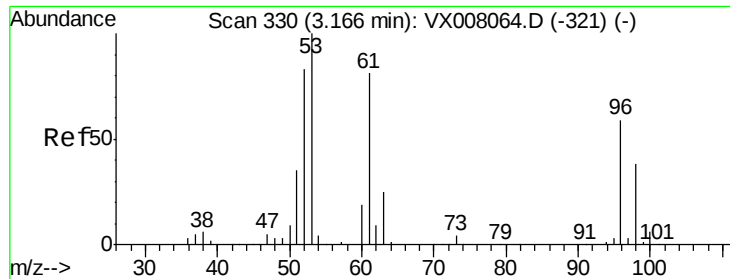
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#20
Methylene Chloride
Concen: 51.260 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion: 84 Resp: 108064
Ion Ratio Lower Upper
84 100
49 108.6 99.3 148.9
51 34.0 31.3 46.9
86 64.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 53.876 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

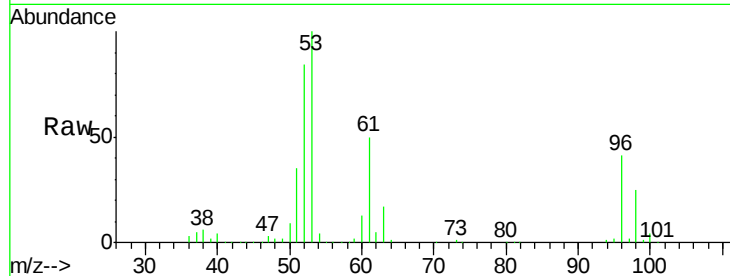
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	109699
Ion	Ratio	Lower	Upper
96	100		
61	122.9	114.4	171.6
98	60.6	51.1	76.7

Manual Integrations
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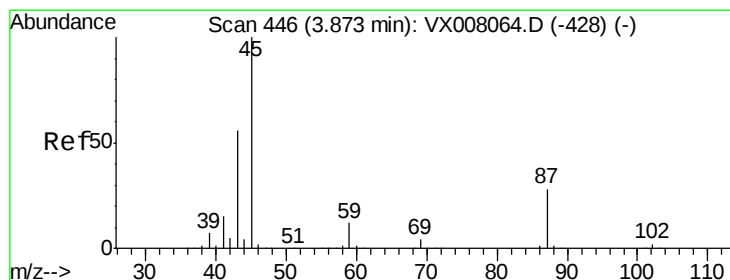
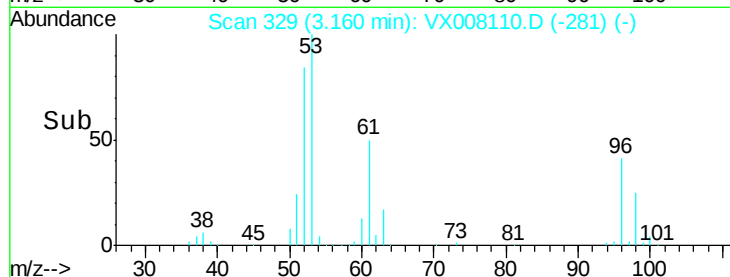
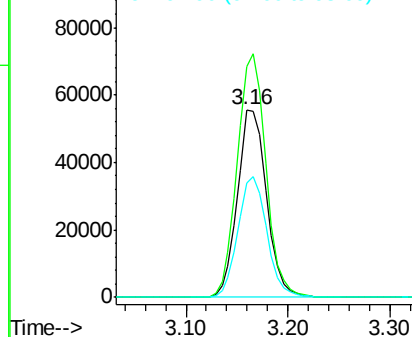


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.073 ug/l

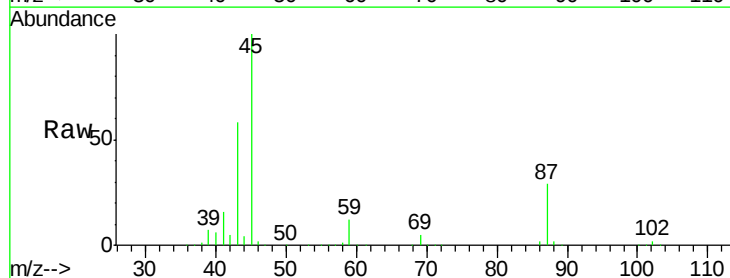
RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tgt Ion:	45	Resp:	342532
Ion	Ratio	Lower	Upper
45	100		
43	57.3	45.3	67.9
87	29.4	21.4	32.0
59	12.0	9.5	14.3



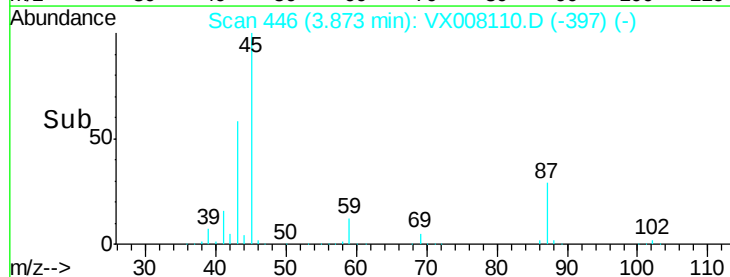
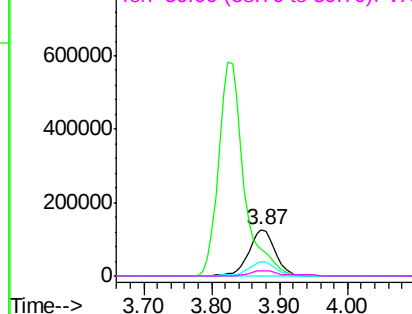
Abundance

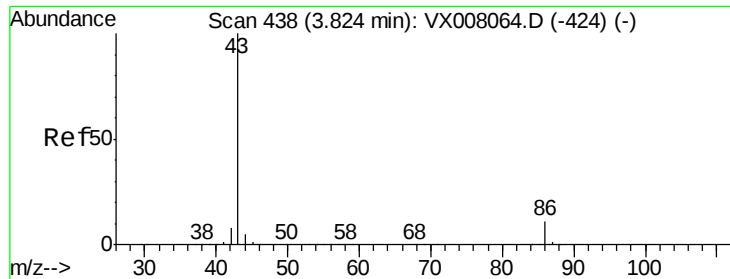
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 259.048 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1507065

Ion Ratio Lower Upper

43 100

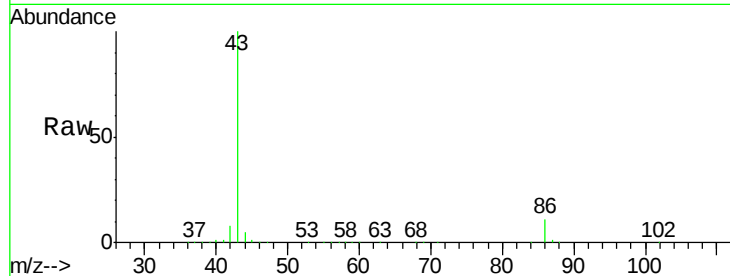
86 11.0 7.9 11.9

Manual Integrations

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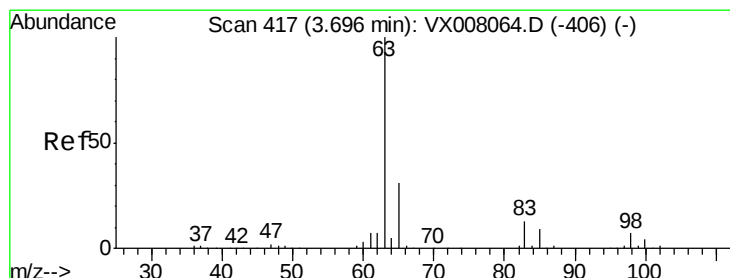
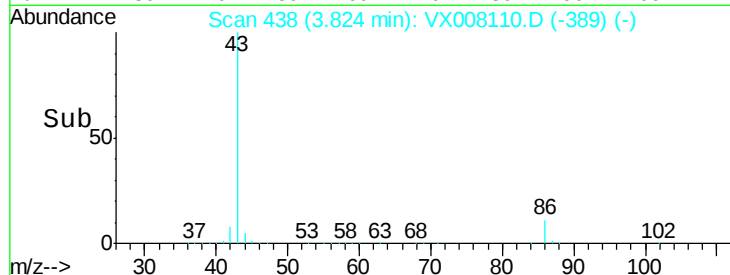
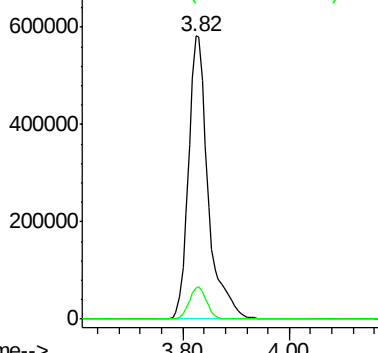
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.116 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

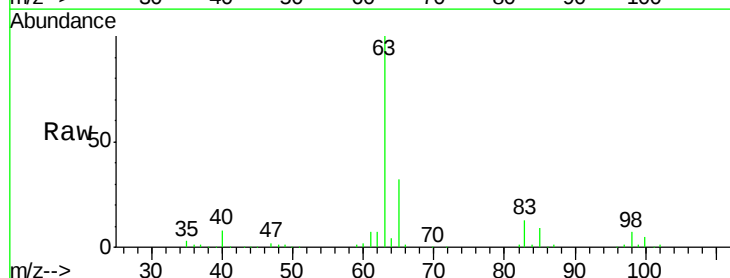
Tgt Ion: 63 Resp: 199172

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

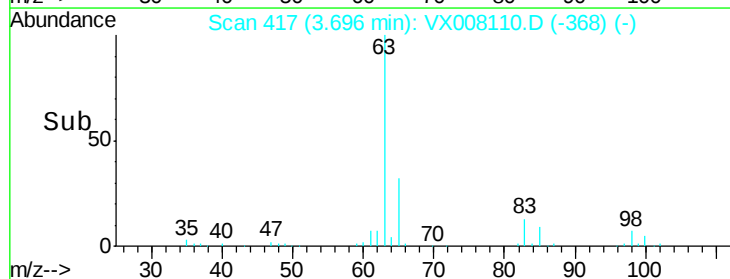
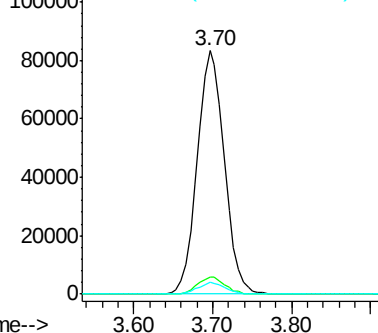
100 4.9 2.3 6.8

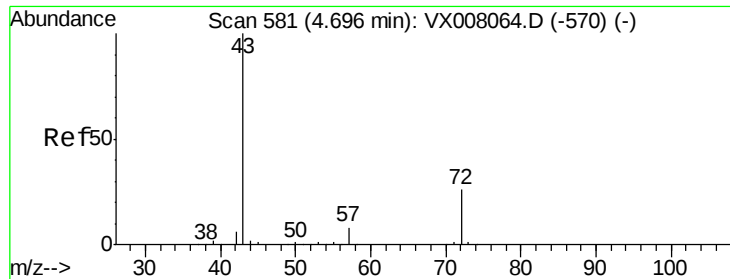


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 253.471 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 459245

Ion Ratio Lower Upper

43 100

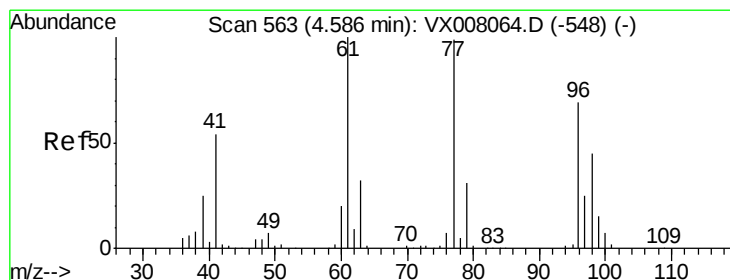
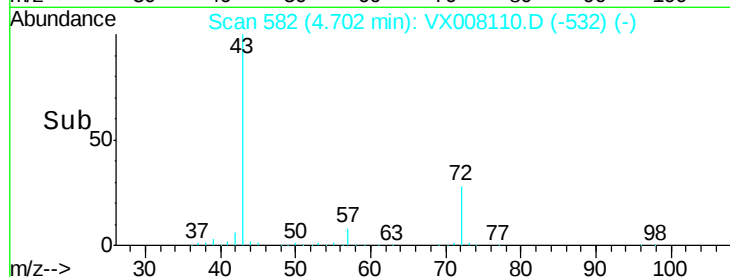
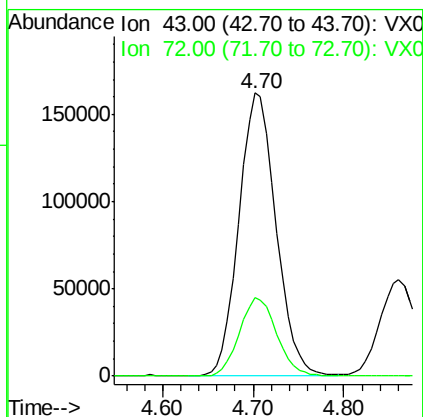
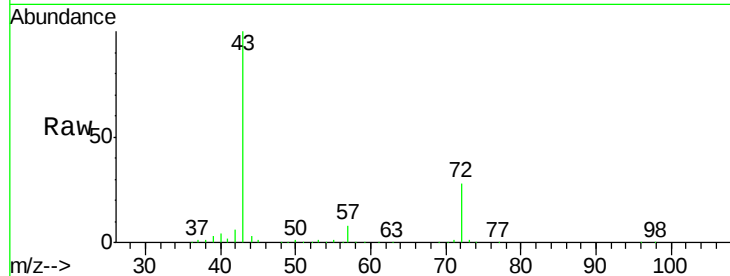
72 27.6 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.410 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008110.D

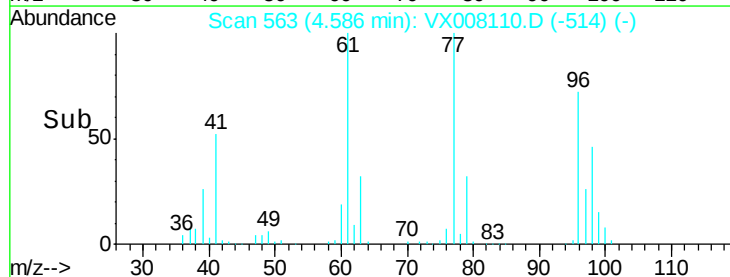
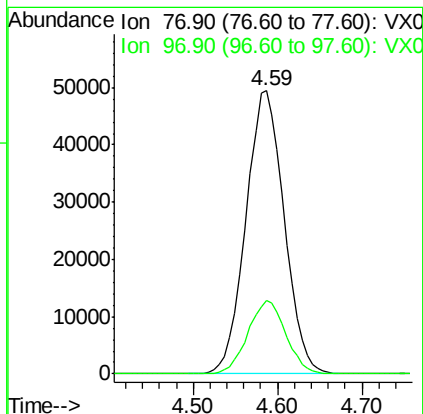
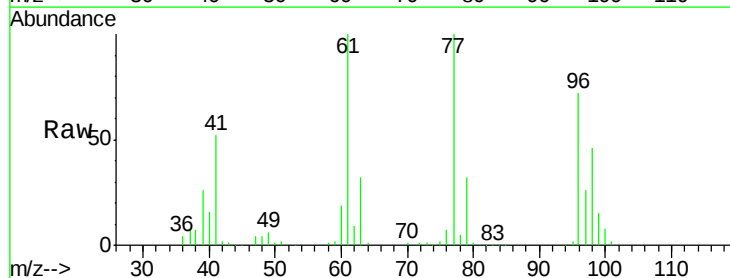
Acq: 15 Mar 2019 17:13

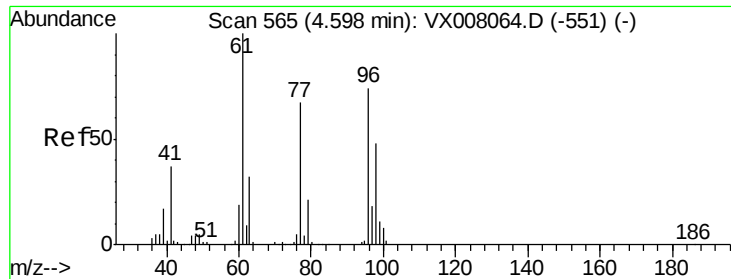
Tgt Ion: 77 Resp: 153007

Ion Ratio Lower Upper

77 100

97 25.7 12.2 36.6





#27

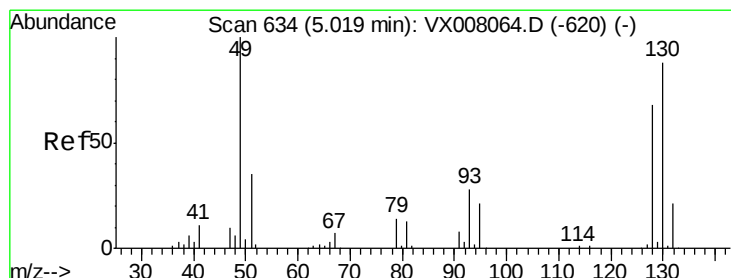
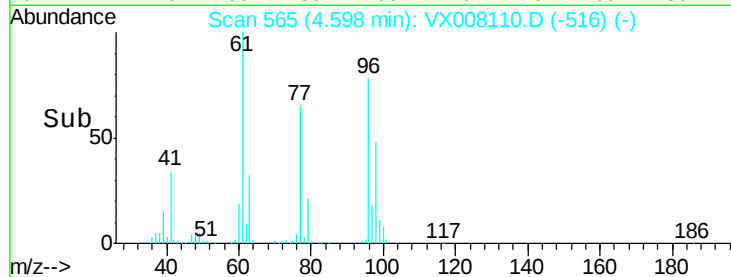
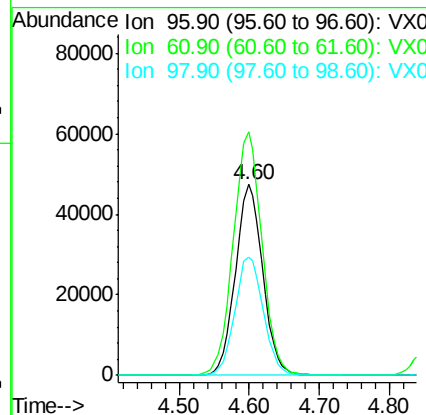
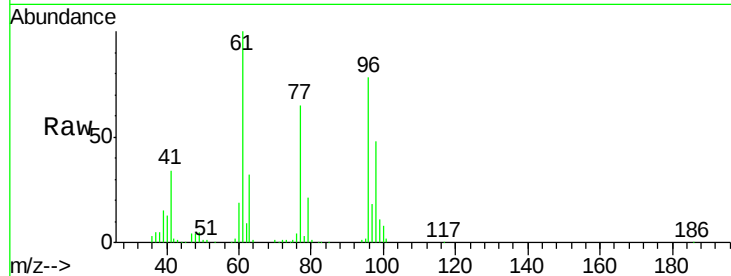
cis-1,2-Dichloroethene
Concen: 53.119 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128569		
61	134.4	0.0	288.0	
98	64.4	0.0	129.0	

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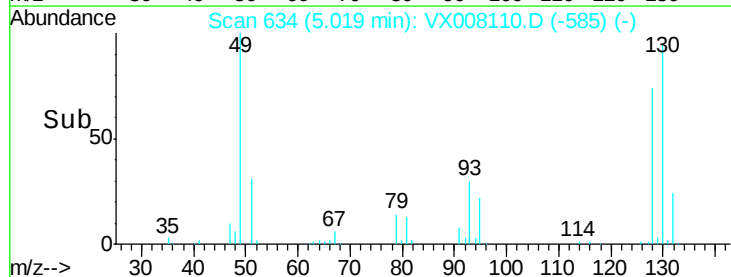
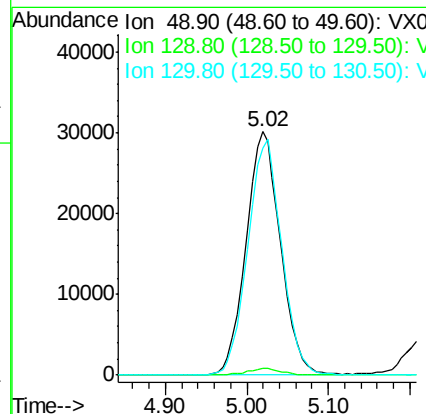
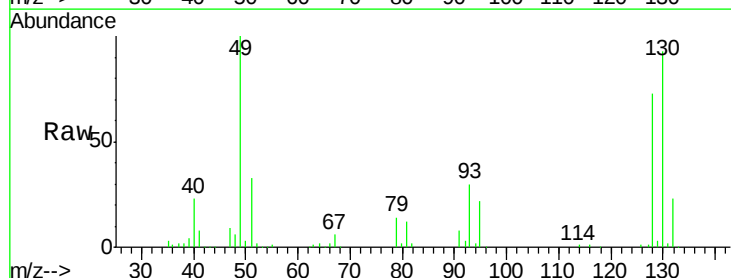
MMDadoda
3/16/2019 10:33:17 AM

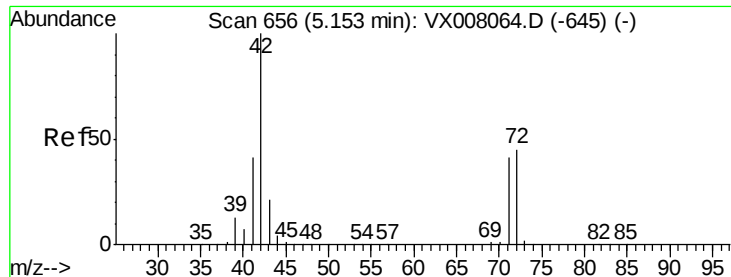


#28

Bromochloromethane
Concen: 49.965 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88489		
129	2.6	0.0	4.0	
130	95.6	65.0	97.4	





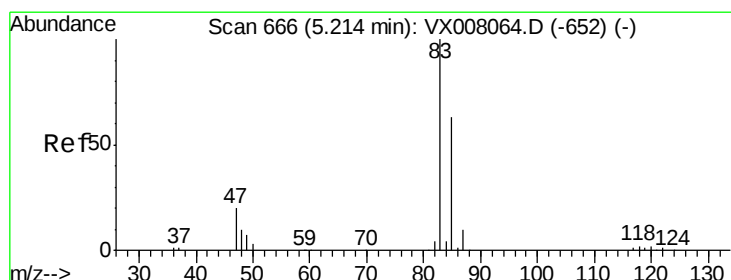
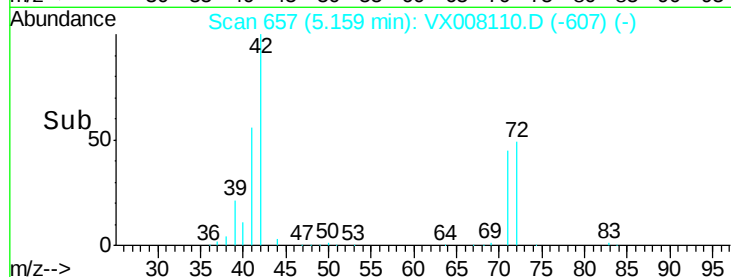
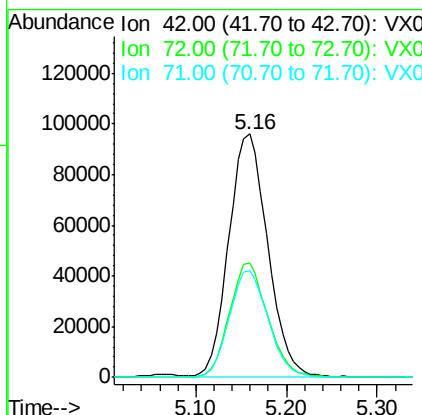
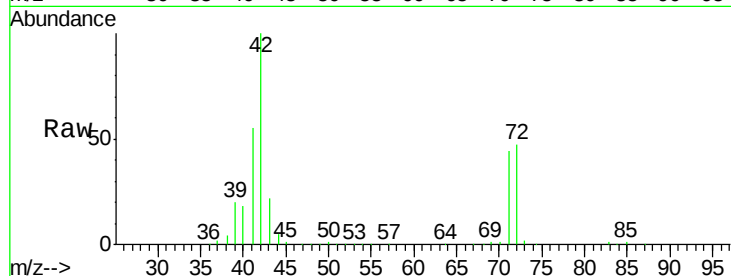
#29
Tetrahydrofuran
Concen: 251.995 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	33.8	50.6
71	44.0	31.5	47.3

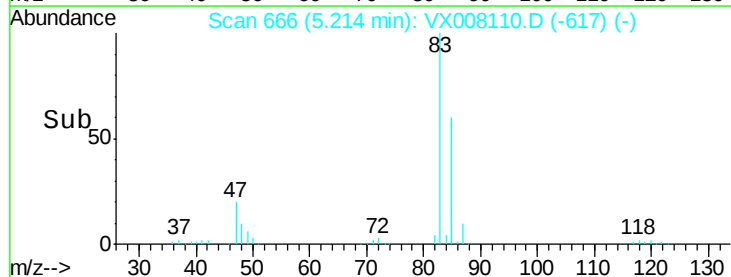
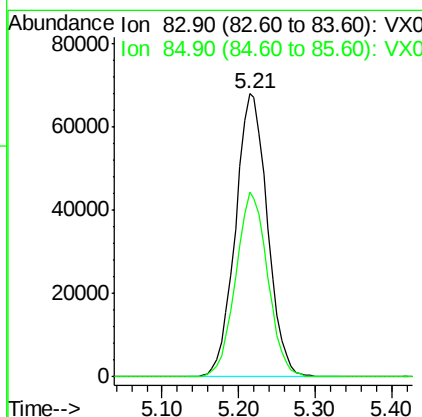
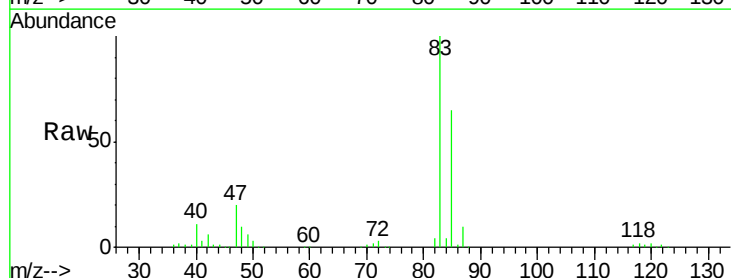
Manual Integrations
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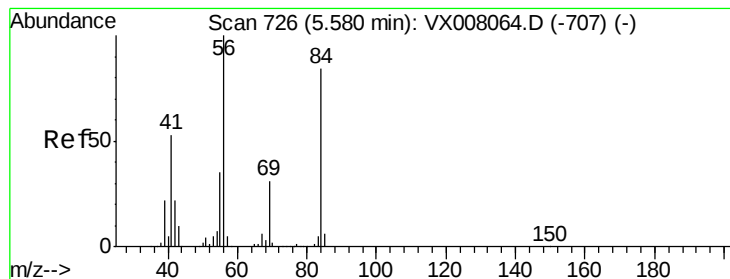
MMDadoda
3/16/2019 10:33:17 AM



#30
Chloroform
Concen: 51.963 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6





#31

Cyclohexane

Concen: 51.898 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

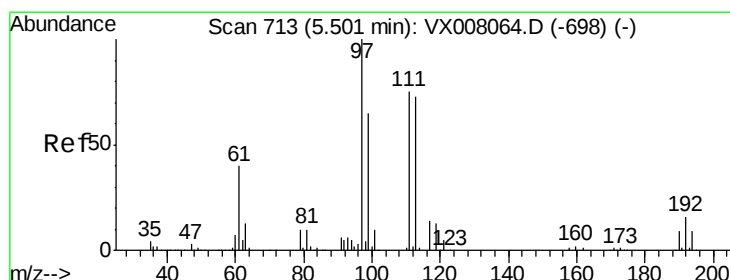
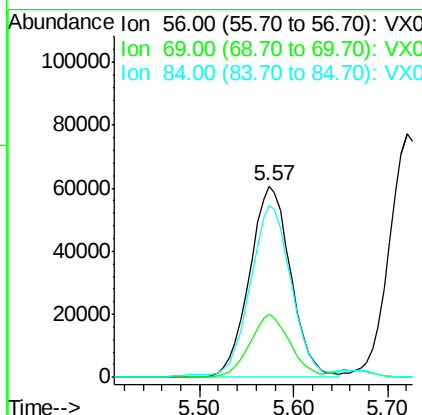
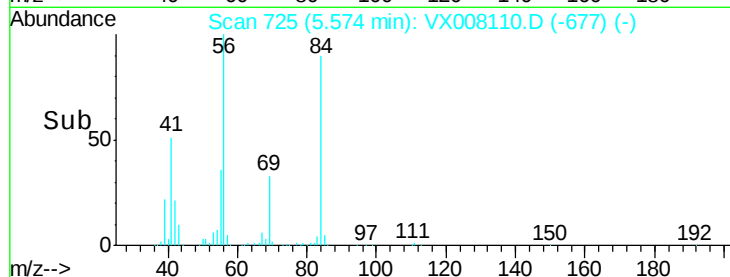
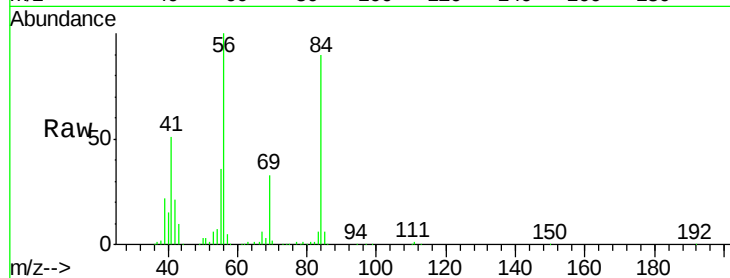
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	185534
Ion Ratio	Lower	Upper	
56	100		
69	32.7	24.0	36.0
84	88.8	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 53.760 ug/l

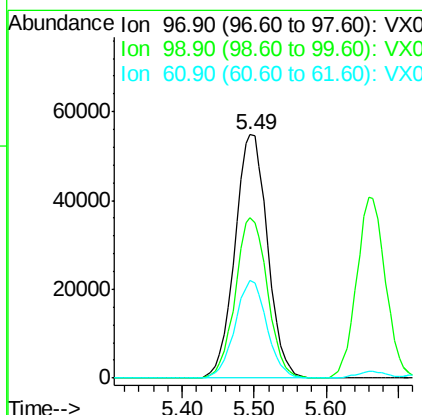
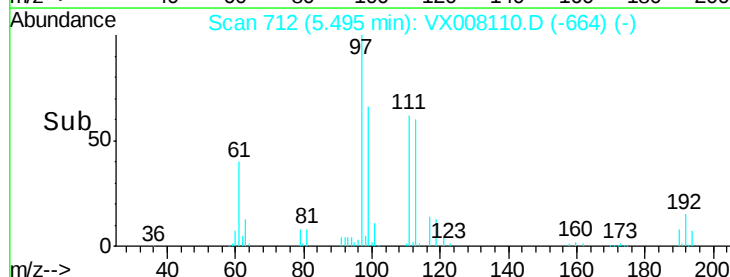
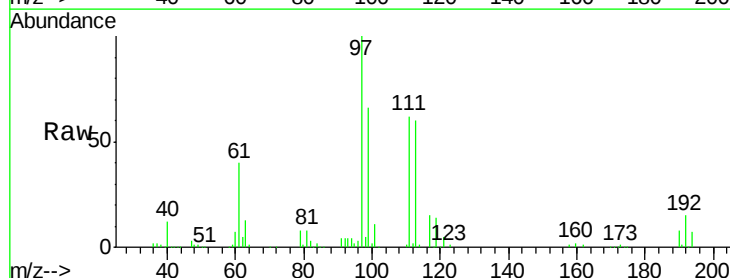
RT: 5.49 min Scan# 712

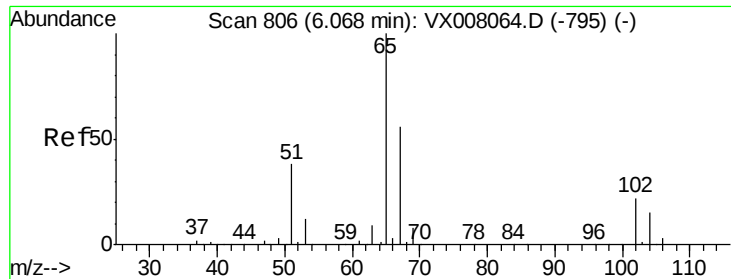
Delta R.T. -0.01 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tgt Ion:	97	Resp:	172000
Ion Ratio	Lower	Upper	
97	100		
99	64.8	52.2	78.2
61	39.3	34.9	52.3





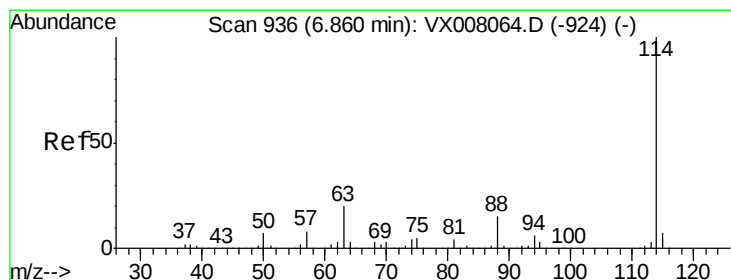
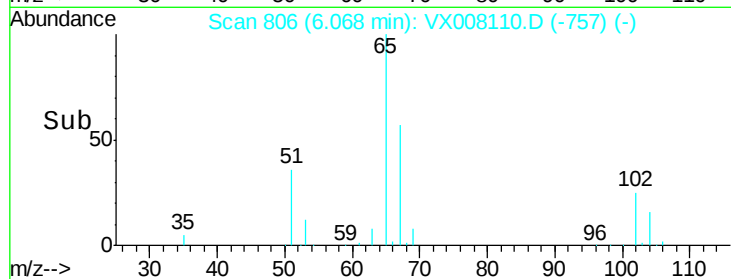
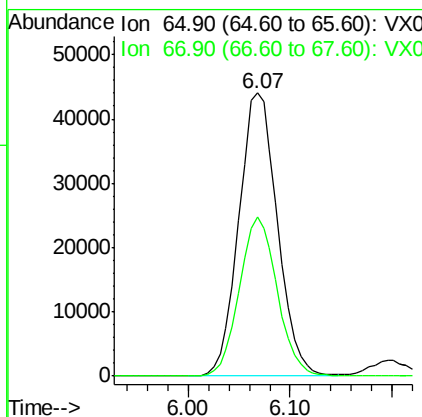
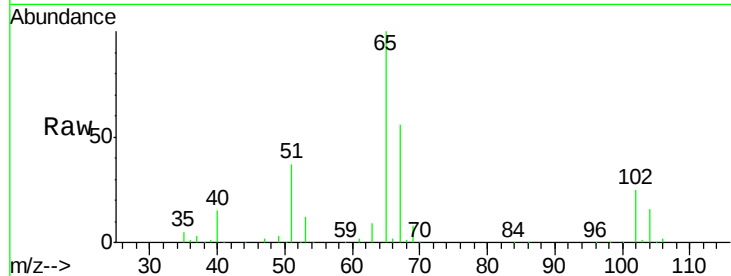
#33
 1,2-Dichloroethane-d4
 Concen: 46.394 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115998		
67	54.8	0.0	110.0	

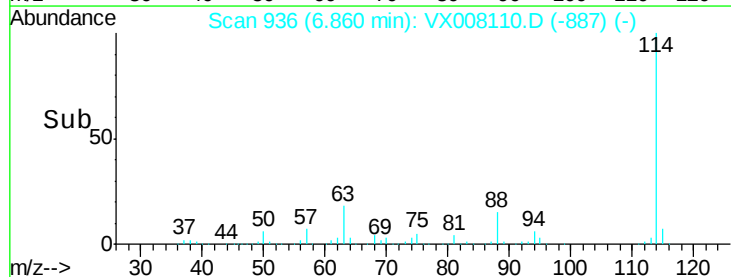
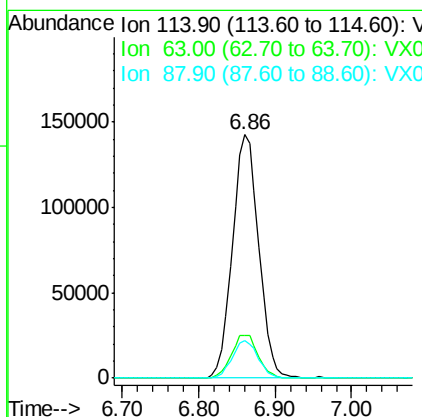
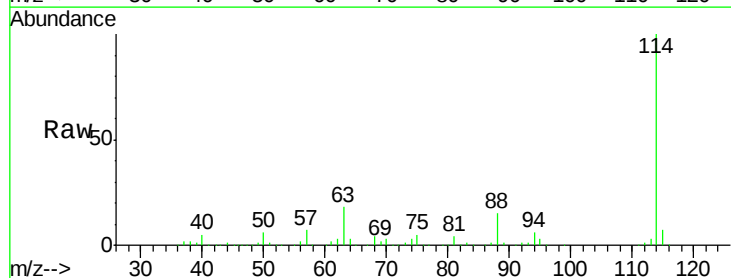
Manual Integrations
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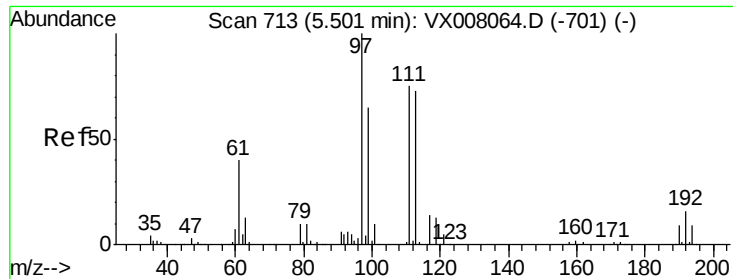
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339274		
63	17.8	0.0	39.8	
88	15.2	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.842 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

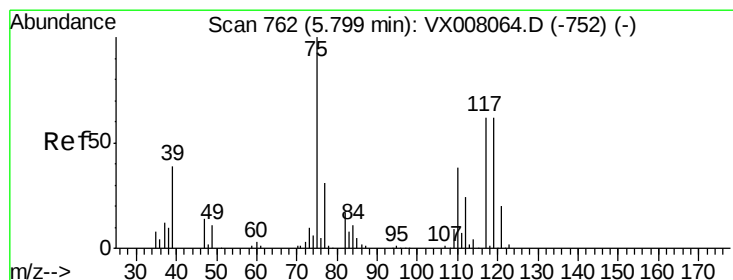
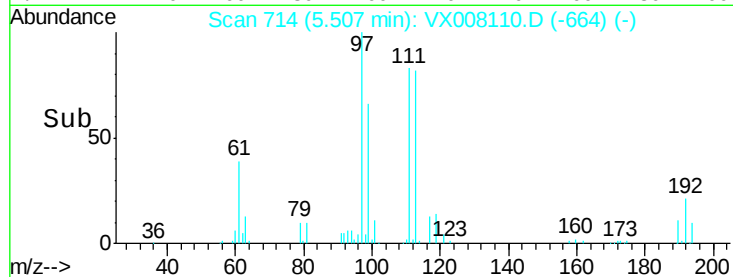
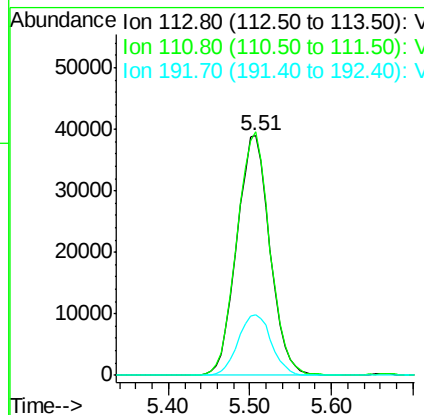
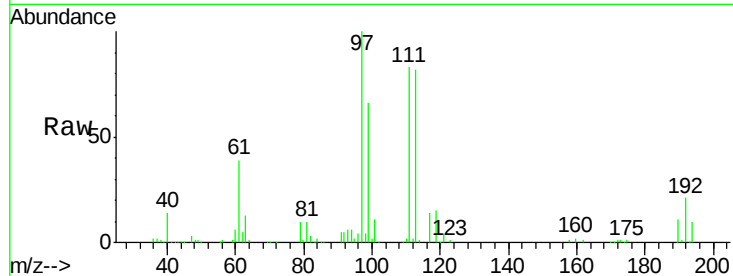
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	109385
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.4	122.0
192	25.6	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 54.562 ug/l

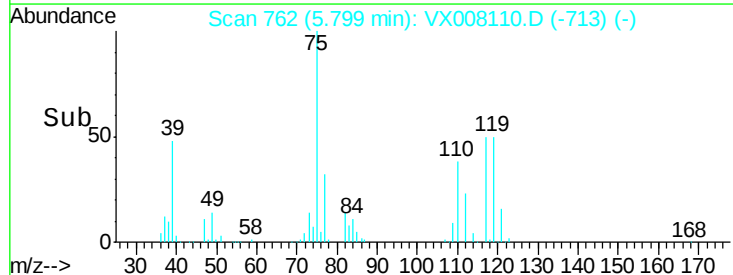
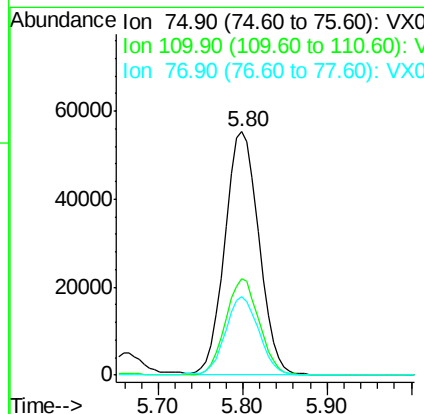
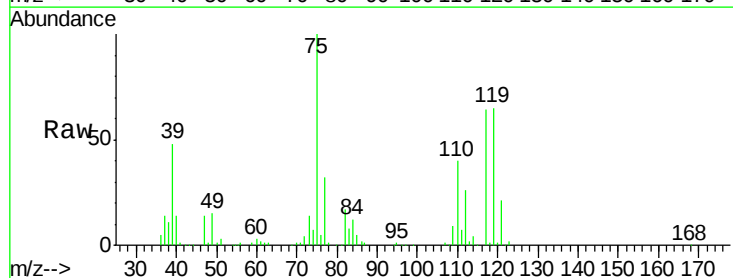
RT: 5.80 min Scan# 762

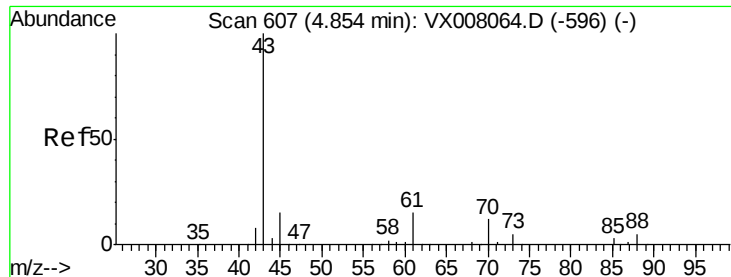
Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tgt Ion:	75	Resp:	152287
Ion Ratio	Lower	Upper	
75	100		
110	39.3	18.4	55.0
77	31.9	25.0	37.4





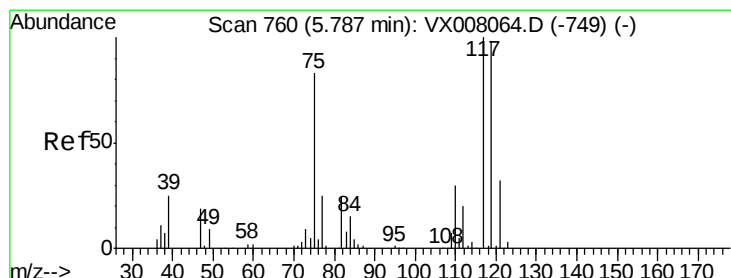
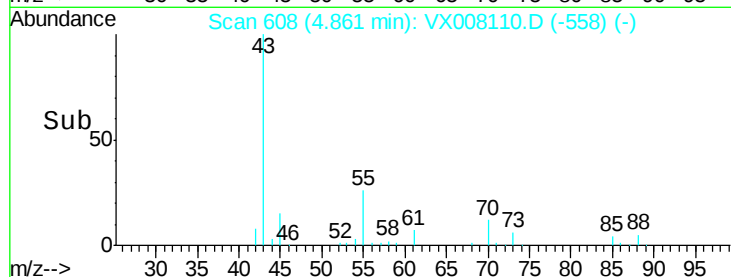
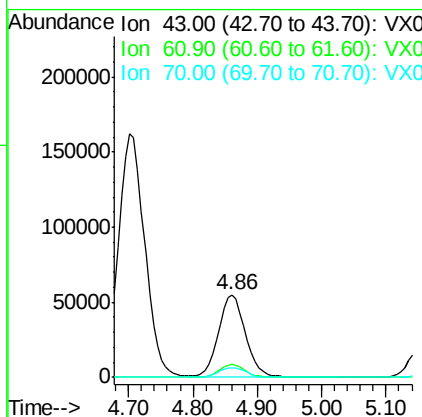
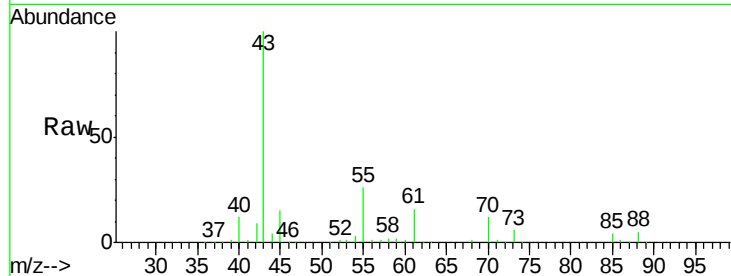
#37
Ethyl Acetate
Concen: 53.978 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	11.9	8.5	12.7

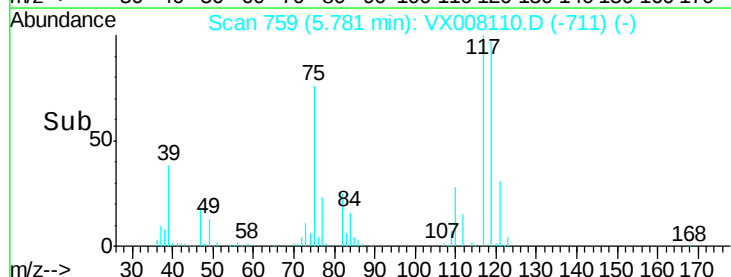
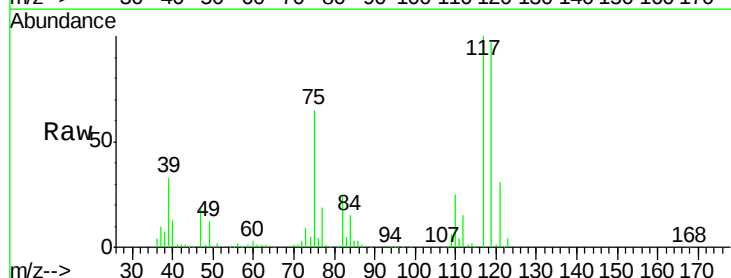
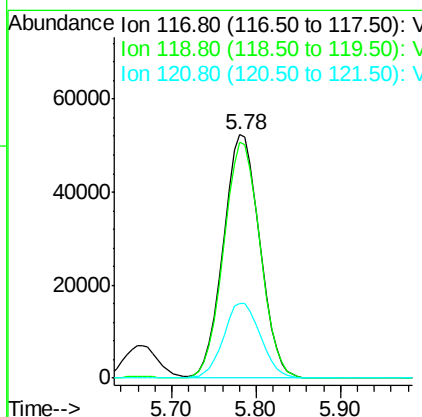
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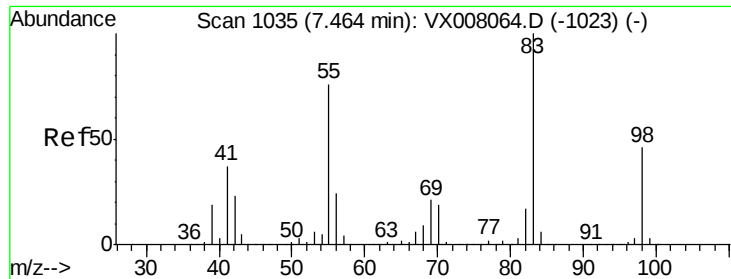
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#38
Carbon Tetrachloride
Concen: 57.510 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.2	114.2
121	30.7	24.6	36.8





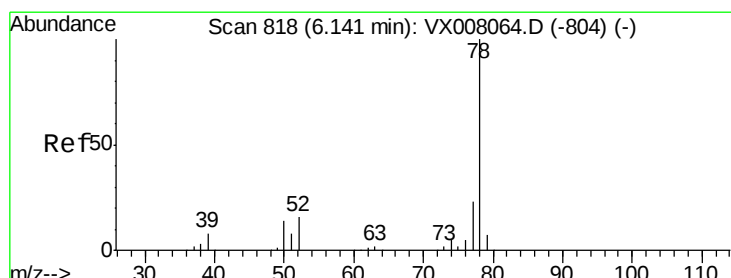
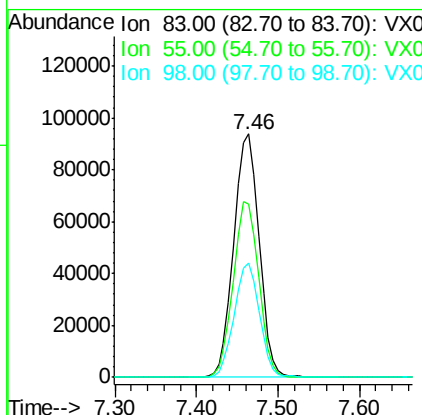
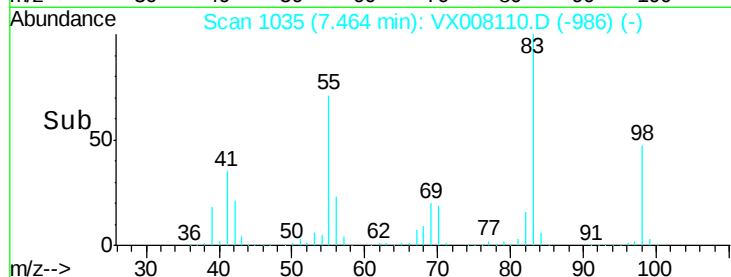
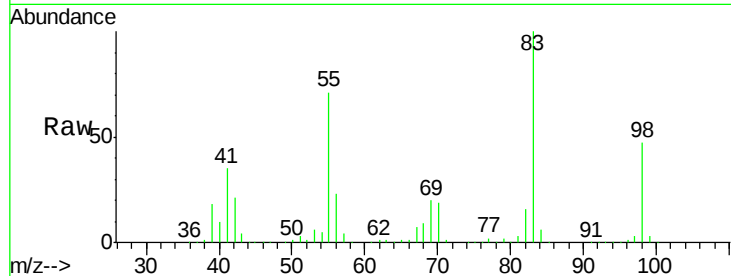
#39
Methvlcvclohexane
Concen: 56.469 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	60.4	90.6
98	47.2	36.5	54.7

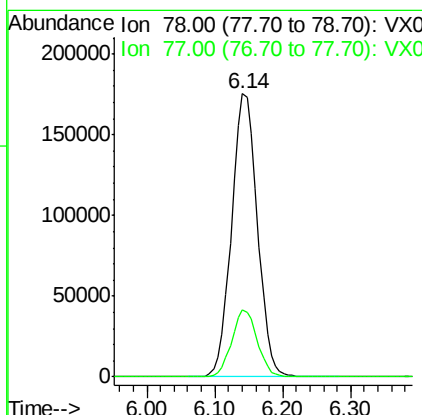
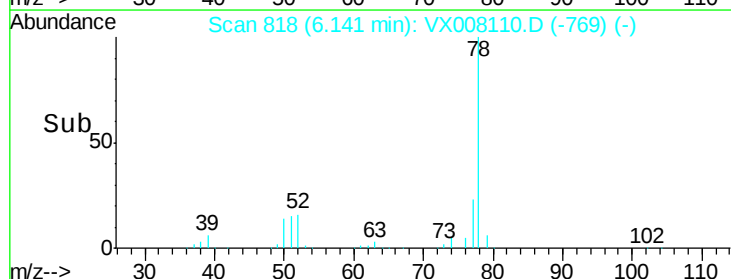
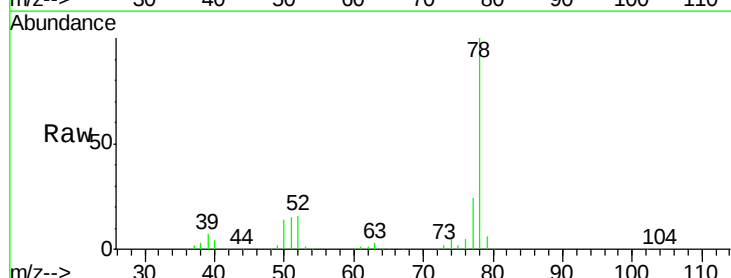
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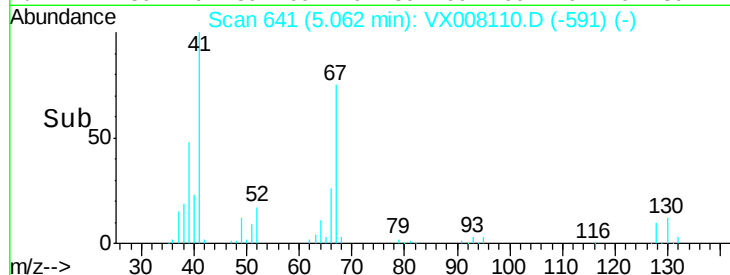
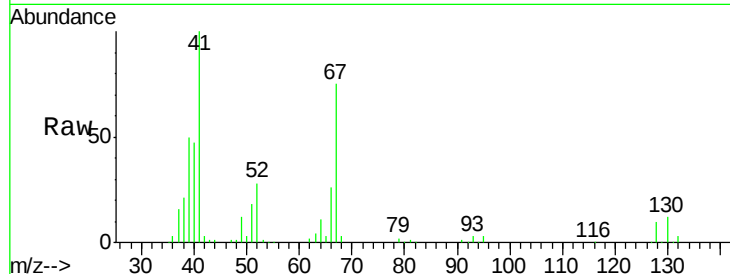
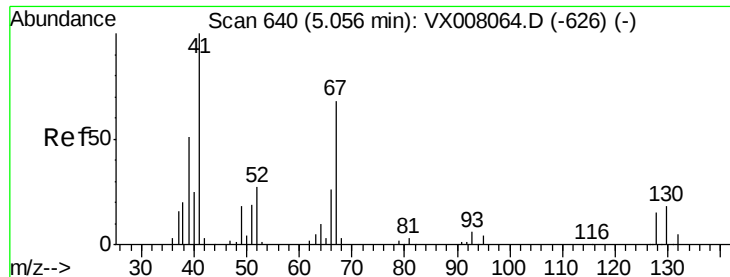
MMDadoda
3/16/2019 10:33:17 AM



#40
Benzene
Concen: 53.990 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

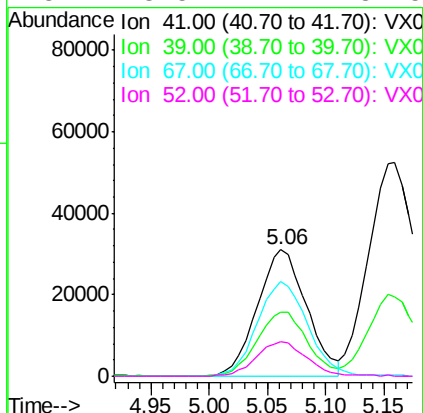
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41
Methacrylonitrile
Concen: 52.325 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

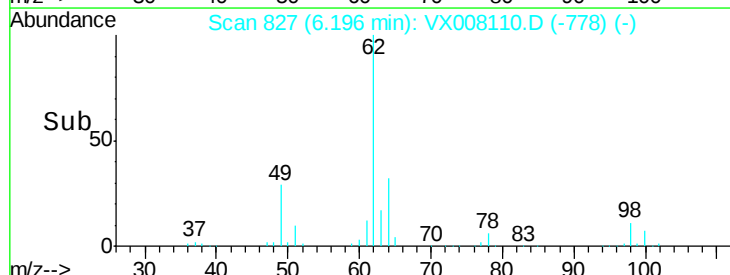
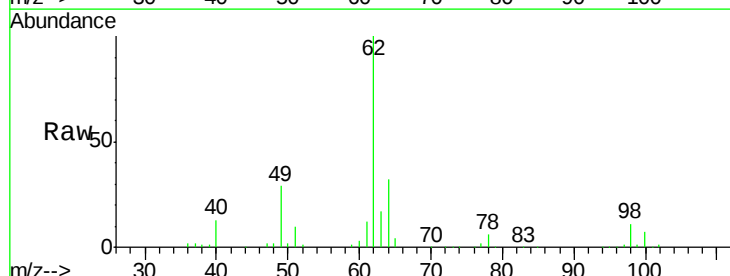
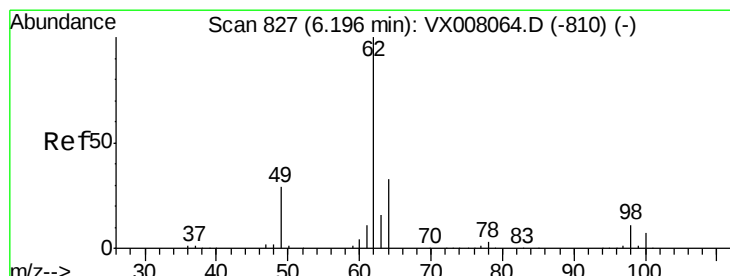
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	41.6	62.4	
67	76.9	55.8	83.6	
52	28.5	21.7	32.5	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

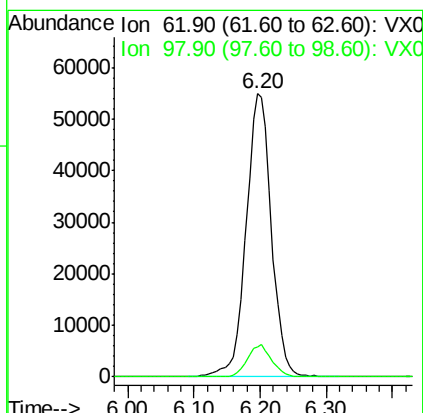
Manual Integrations
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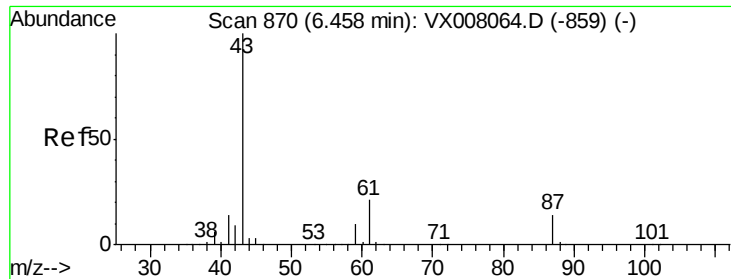
MMDadoda
3/16/2019 10:33:17 AM



#42
1,2-Dichloroethane
Concen: 53.378 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	20.4	





#43

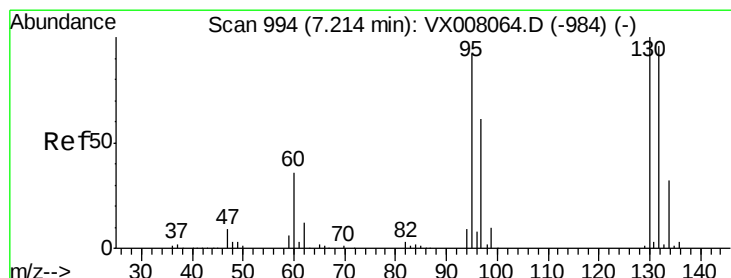
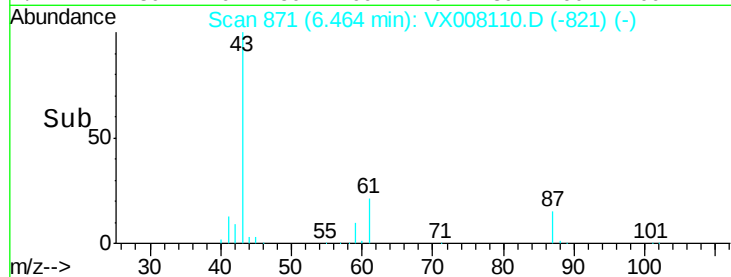
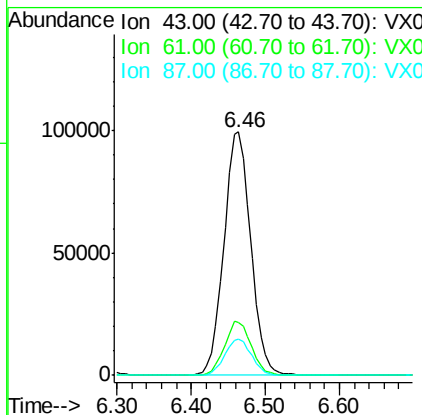
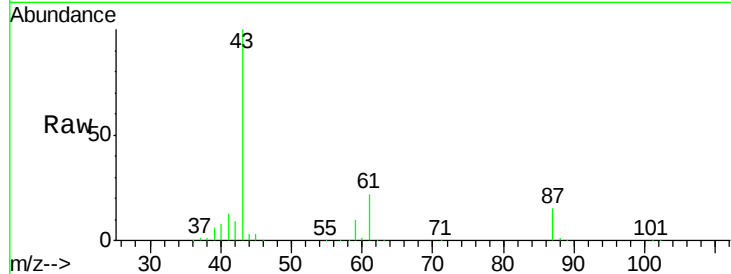
Isopropyl Acetate
 Concen: 51.629 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.3	24.5
87	15.0	10.5	15.7

Manual Integrations
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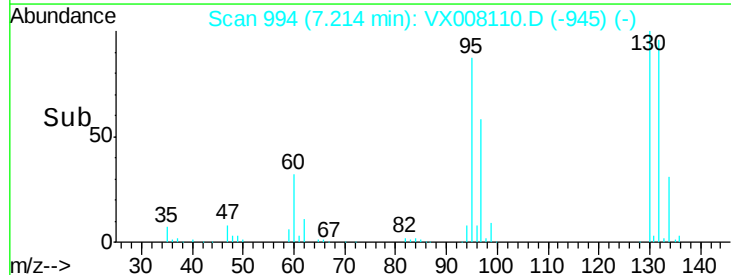
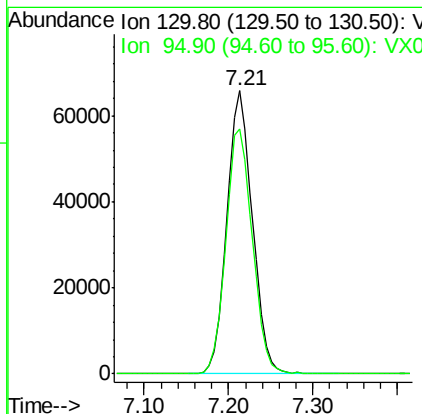
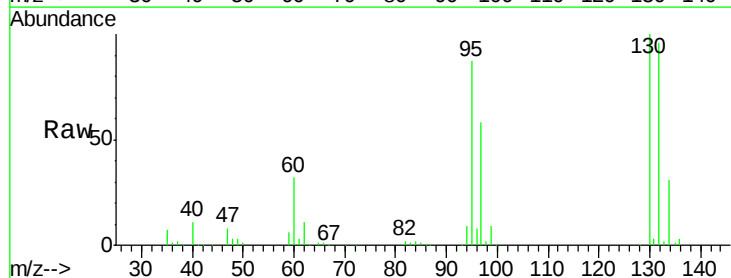
MMDadoda
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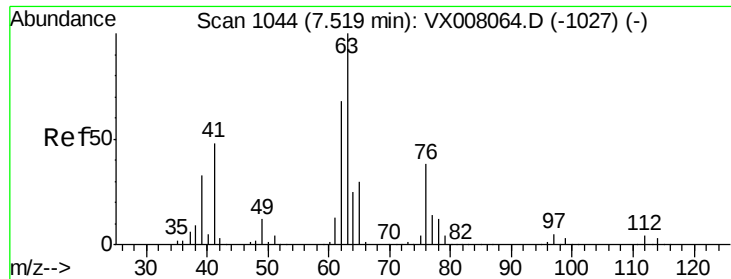


#44

Trichloroethene
 Concen: 55.065 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 52.132 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 117599

Ion Ratio Lower Upper

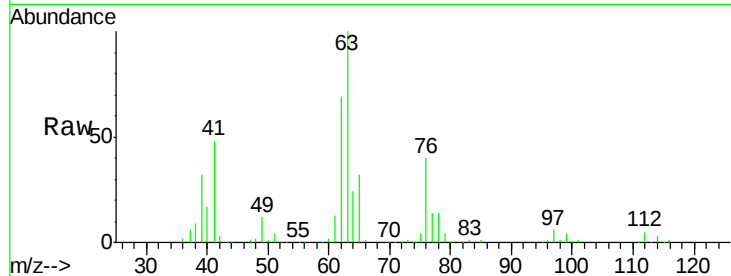
63 100

65 32.1 24.7 37.1

Manual Integrations
APPROVED

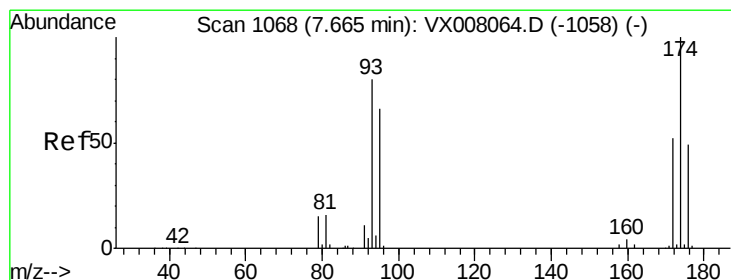
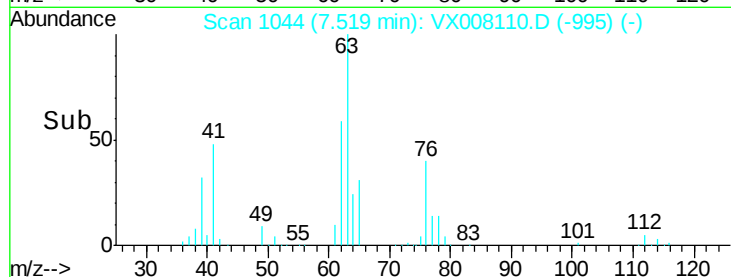
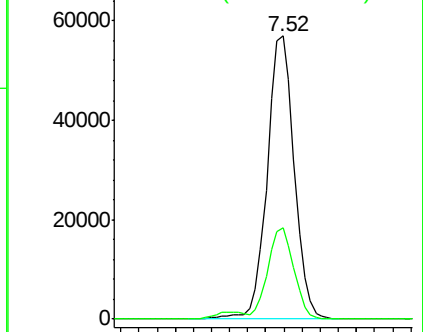
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 55.087 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

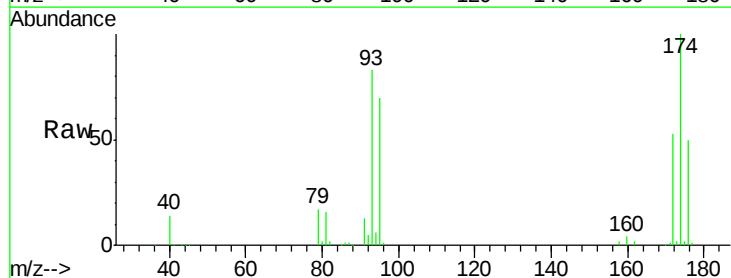
Tgt Ion: 93 Resp: 77886

Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

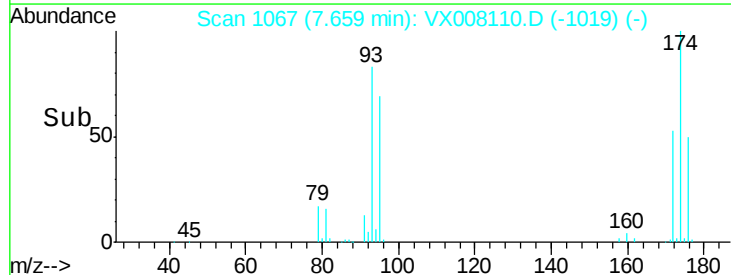
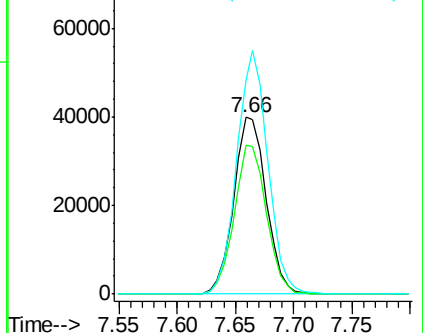
174 132.1 97.3 145.9

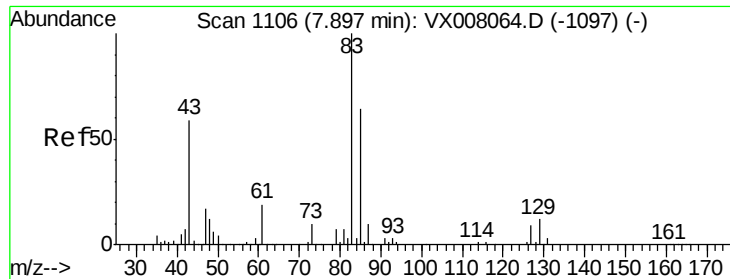


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.865 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

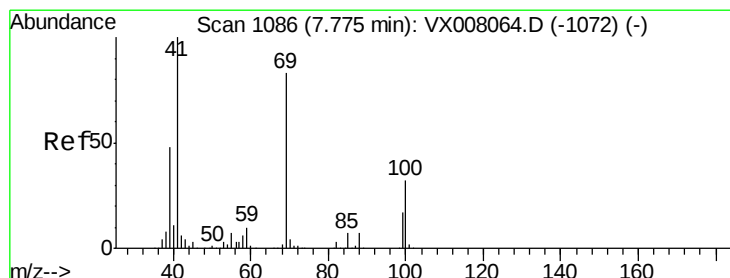
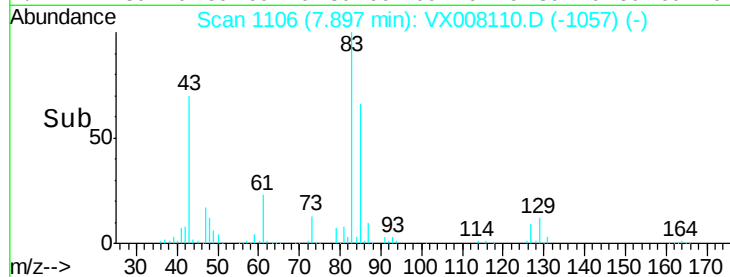
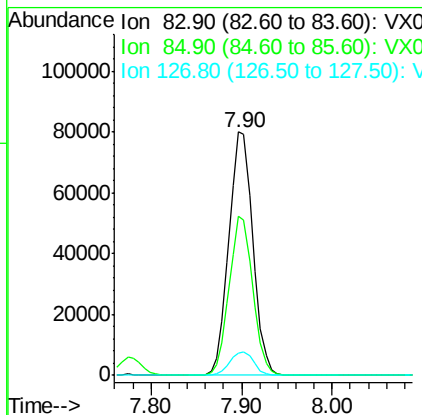
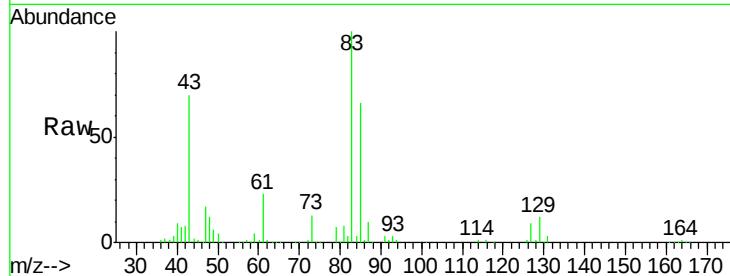
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	147527
Ion Ratio	Lower	Upper	
83	100		
85	65.6	50.9	76.3
127	9.2	7.4	11.0

Manual Integrations
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MMDadoda
3/16/2019 10:33:17 AM



#48

Methyl methacrylate

Concen: 51.914 ug/l

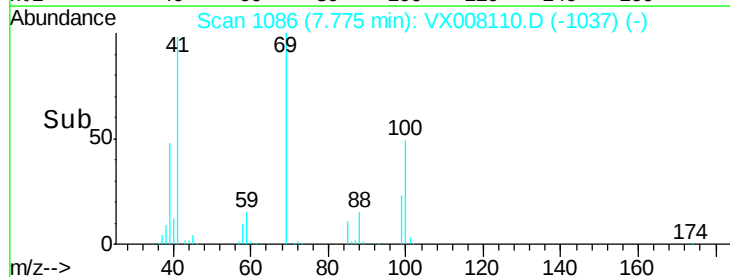
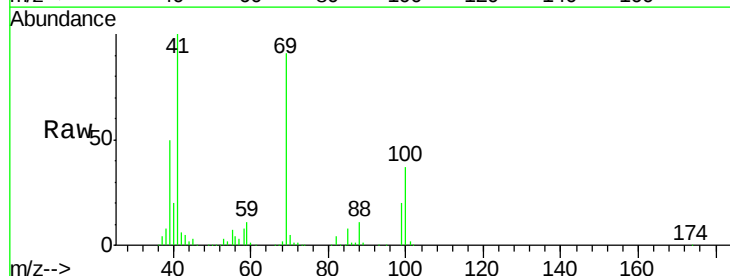
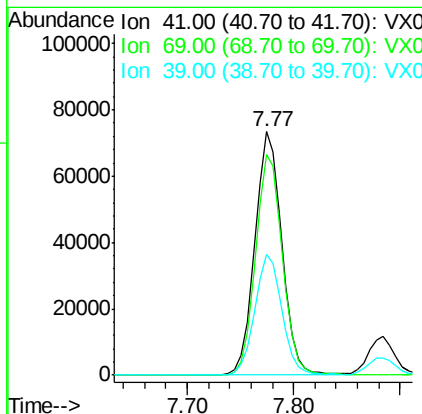
RT: 7.77 min Scan# 1086

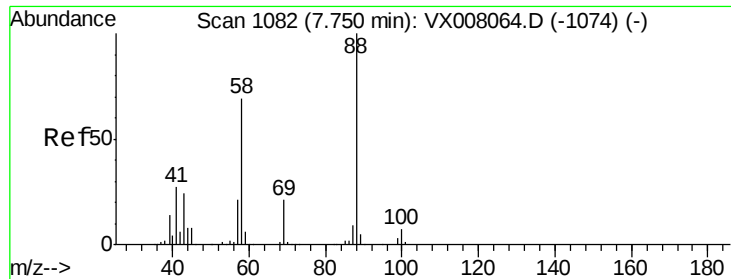
Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tgt Ion:	41	Resp:	130984
Ion Ratio	Lower	Upper	
41	100		
69	90.5	65.2	97.8
39	50.1	39.4	59.2





#49

1,4-Dioxane

Concen: 1143.196 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

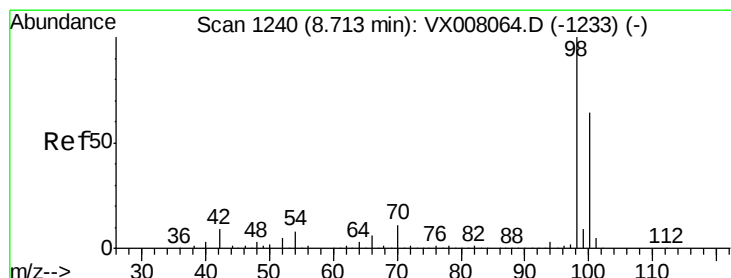
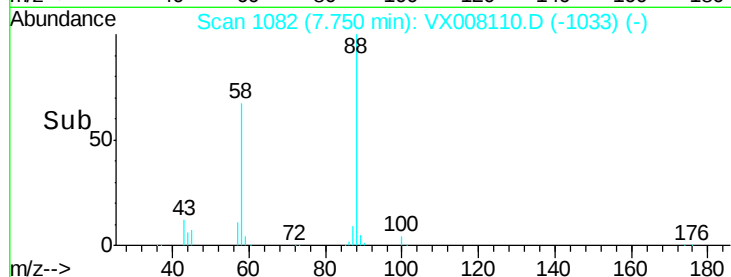
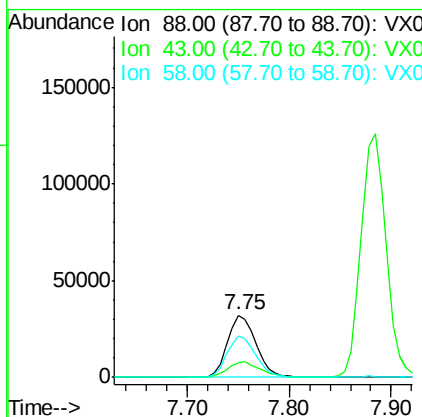
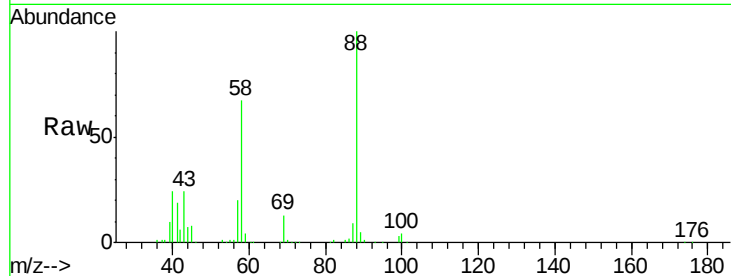
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	62211
Ion	Ratio	Lower	Upper
88	100		
43	28.7	25.1	37.7
58	68.0	57.8	86.6

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#50

Toluene-d8

Concen: 49.594 ug/l

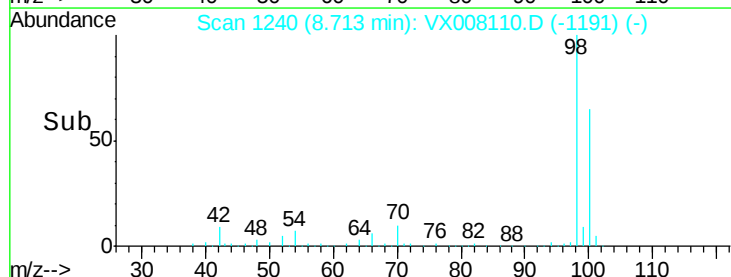
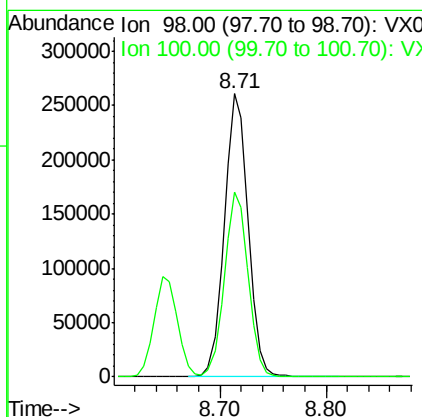
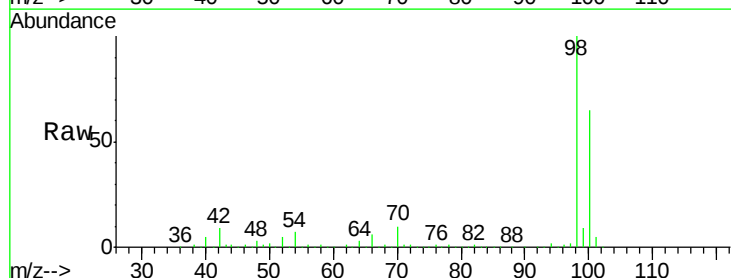
RT: 8.71 min Scan# 1240

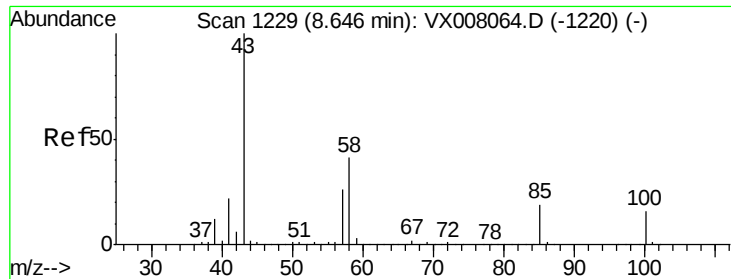
Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tgt Ion:	98	Resp:	405816
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 256.708 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 817348

Ion Ratio Lower Upper

43 100

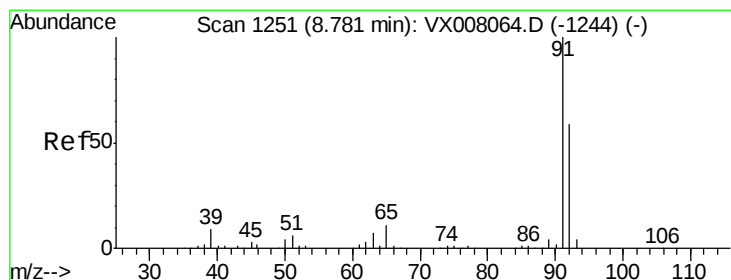
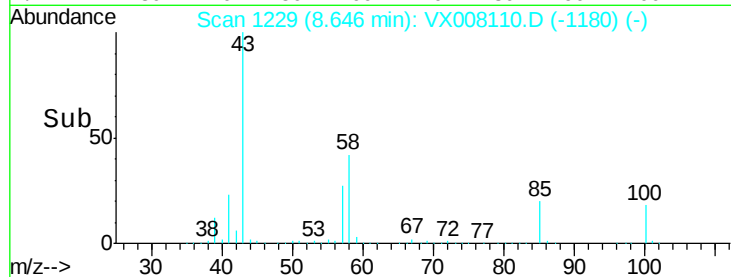
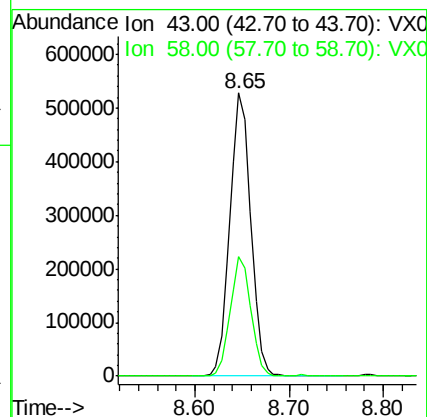
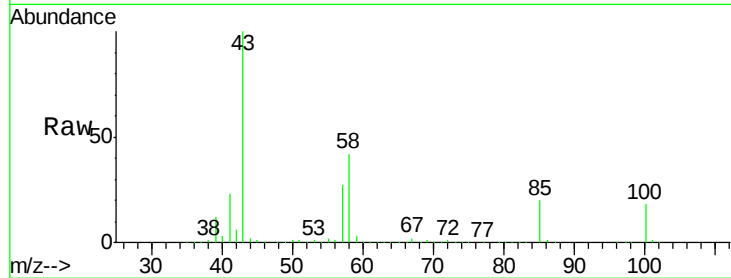
58 41.6 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 53.997 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008110.D

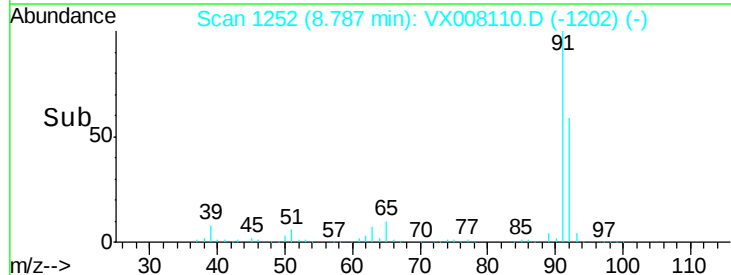
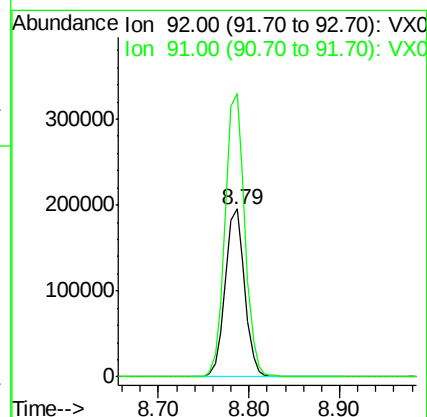
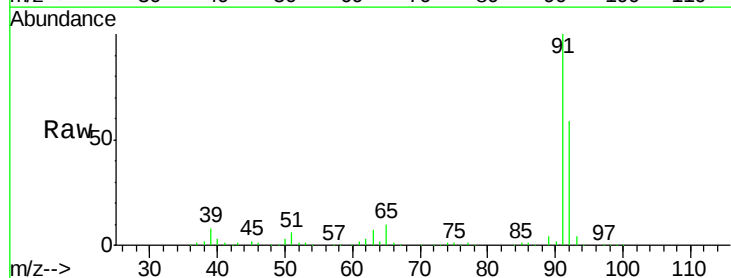
Acq: 15 Mar 2019 17:13

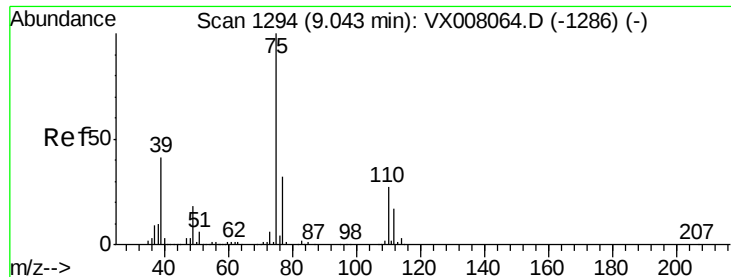
Tgt Ion: 92 Resp: 293485

Ion Ratio Lower Upper

92 100

91 170.9 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 55.385 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tot Ion: 75 Resp: 163257

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

Instrument :

MSVOA_X

ClientSampled :

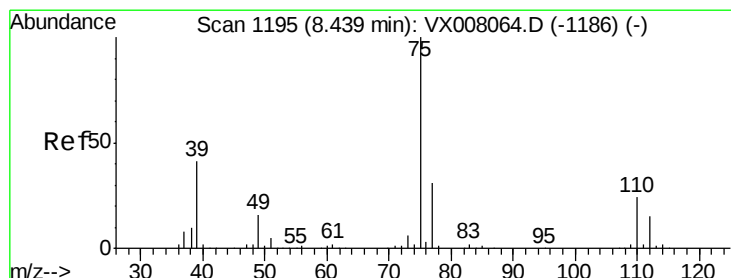
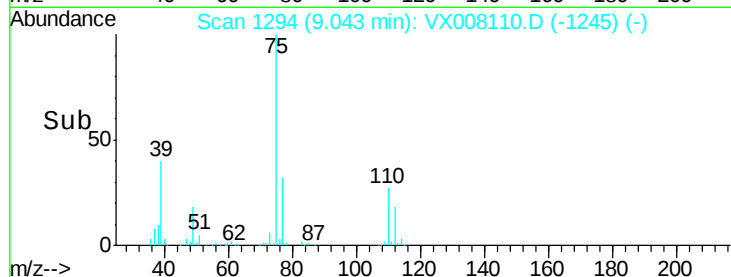
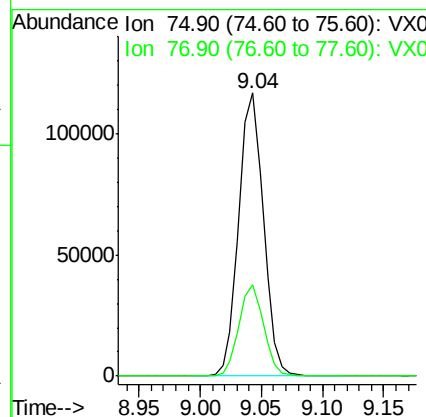
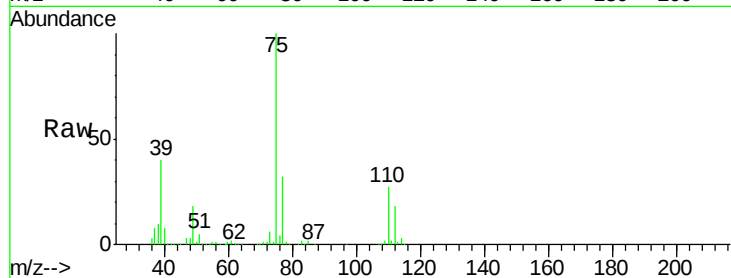
VSTDCCC050

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.770 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

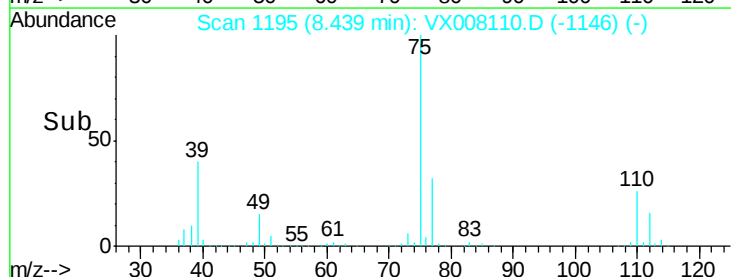
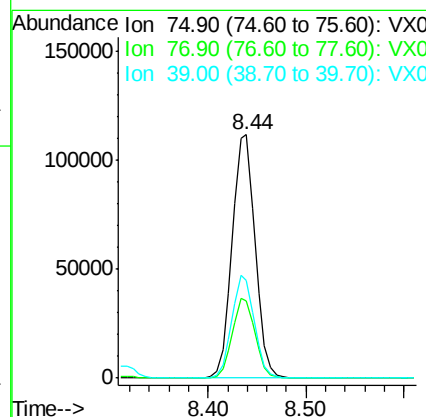
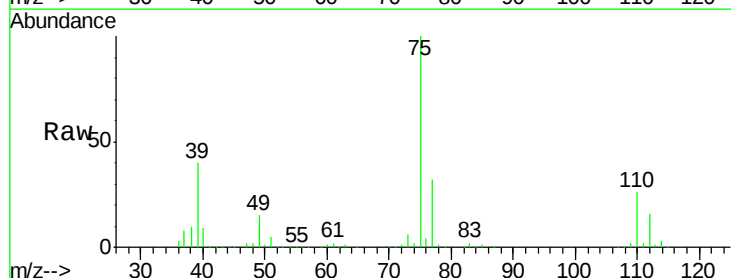
Tgt Ion: 75 Resp: 182700

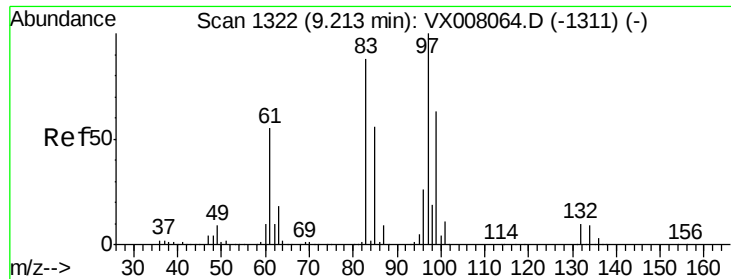
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

39 40.1 36.6 54.8





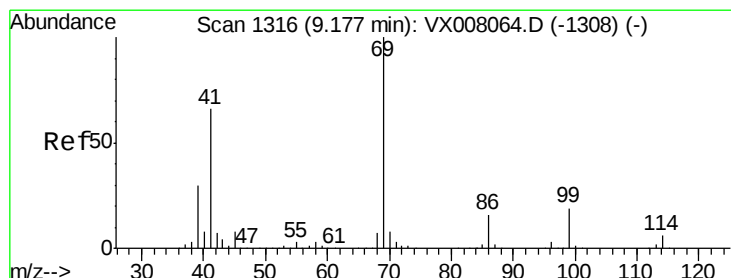
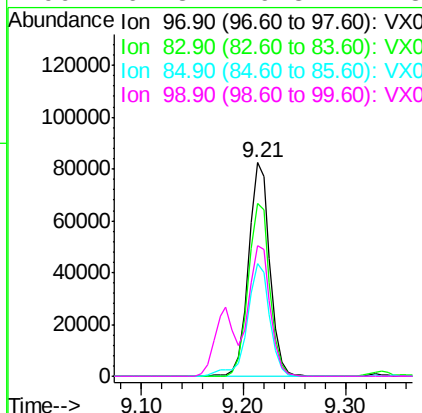
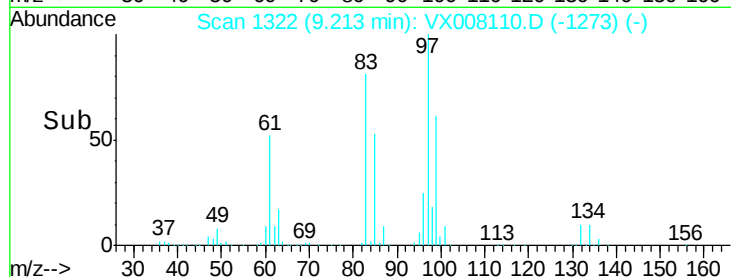
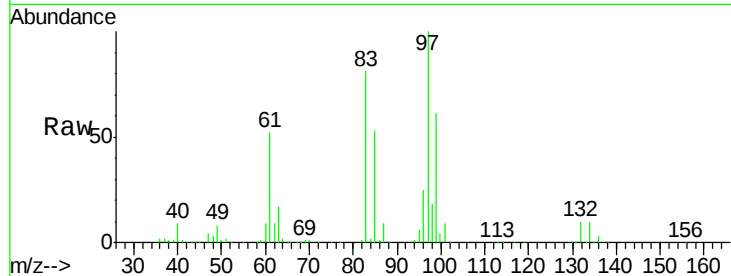
#55
 1,1,2-Trichloroethane
 Concen: 54.236 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120028		
83	81.1	69.1	103.7		
85	52.7	44.3	66.5		
99	61.3	49.8	74.8		

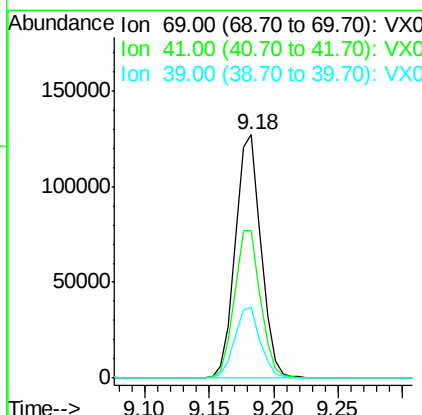
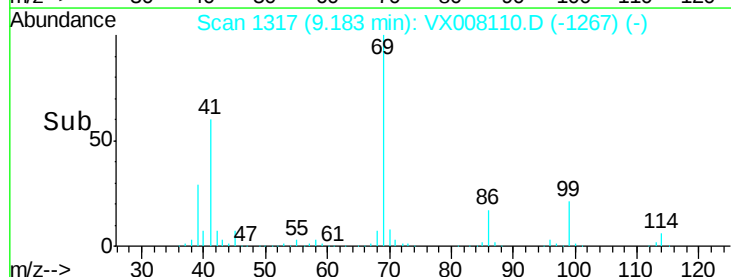
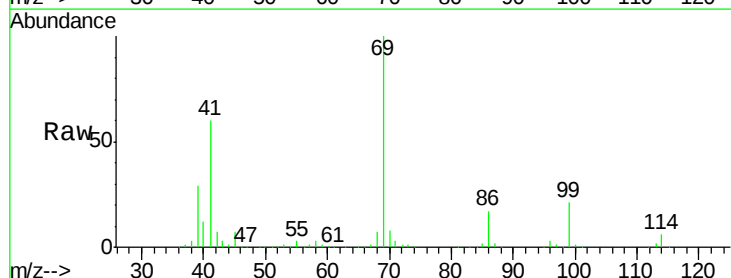
Manual Integrations
 APPROVED

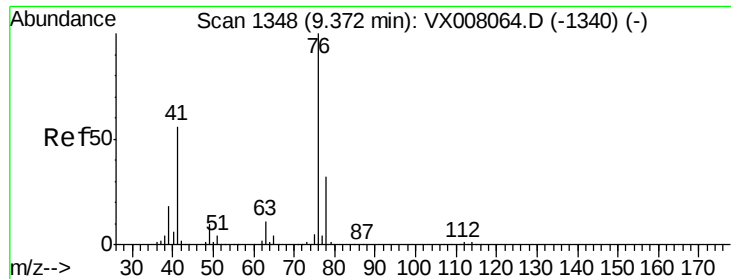
MMDadoda
 3/16/2019 10:33:17 AM



#56
 Ethyl methacrylate
 Concen: 54.025 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		176613		
41	61.6	54.2	81.4		
39	29.4	25.0	37.4		





#57

1,3-Dichloropropane

Concen: 52.261 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 191408

Ion Ratio Lower Upper

76 100

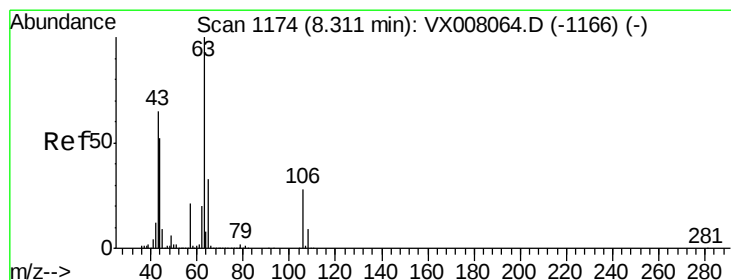
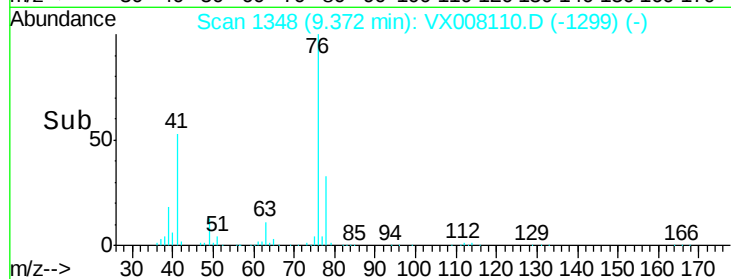
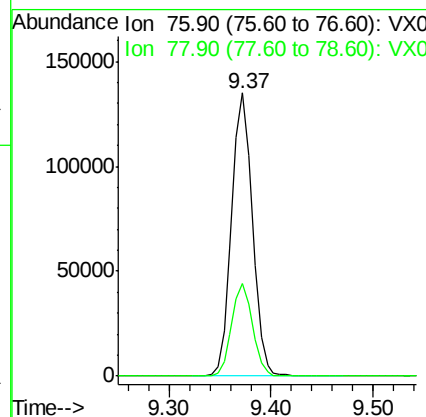
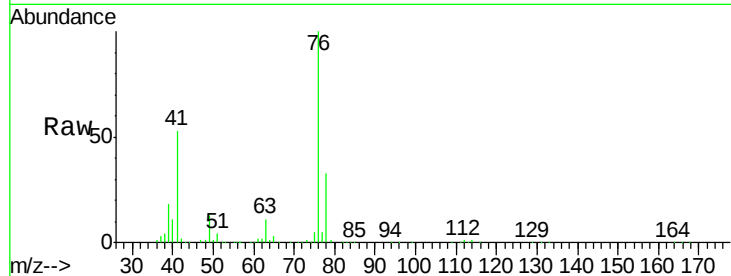
78 32.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

3/16/2019 10:33:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 286.611 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX008110.D

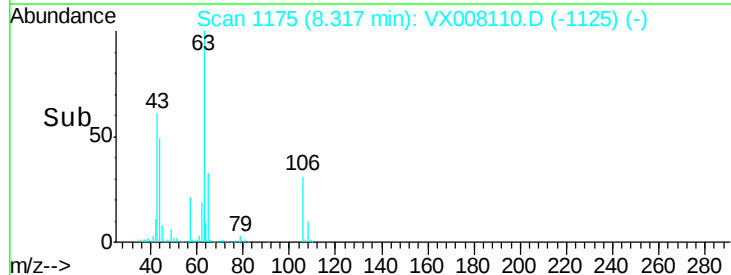
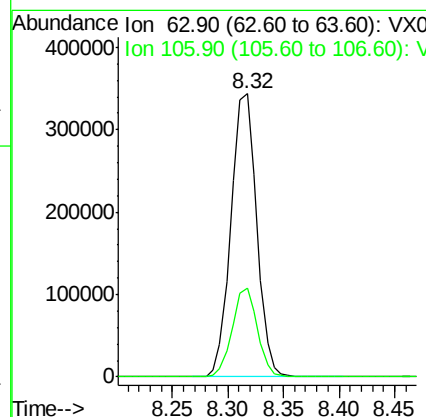
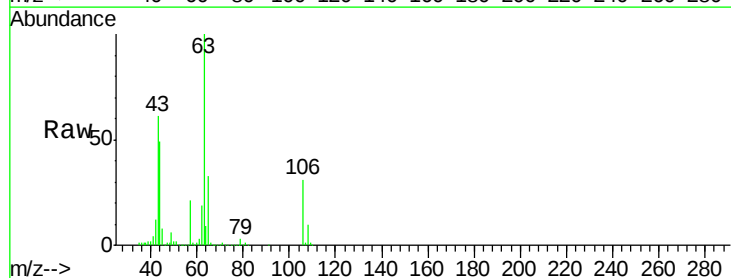
Acq: 15 Mar 2019 17:13

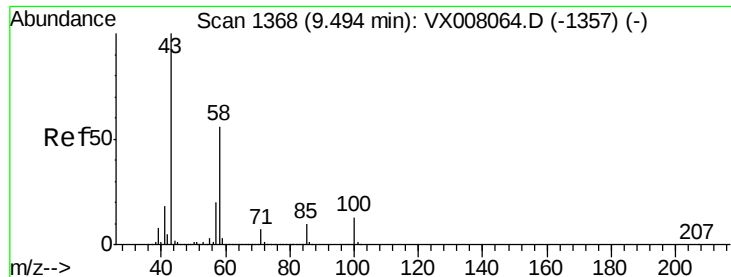
Tgt Ion: 63 Resp: 551209

Ion Ratio Lower Upper

63 100

106 30.5 22.2 33.2





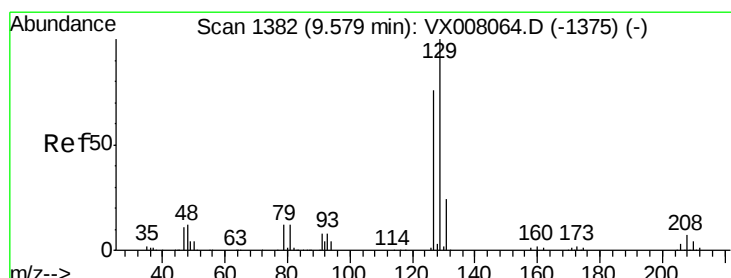
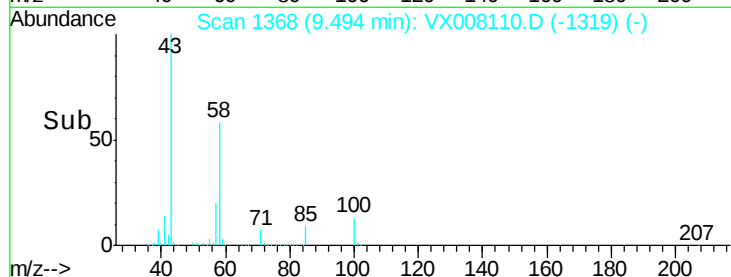
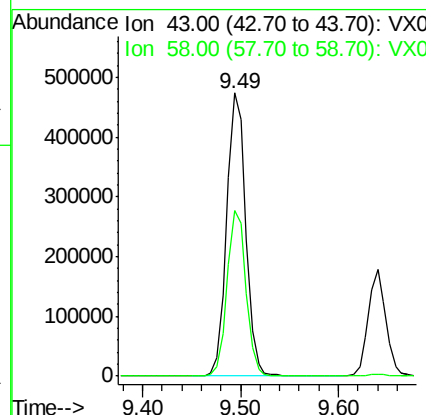
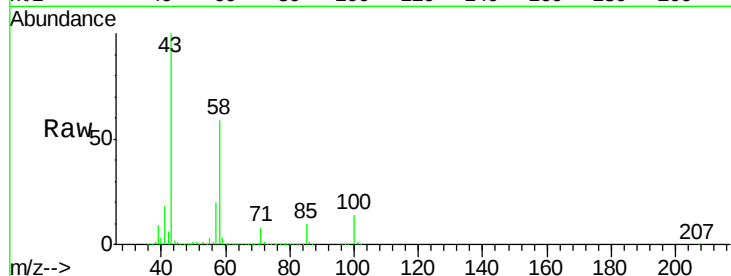
#59
2-Hexanone
Concen: 257.119 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.3	27.6	82.7

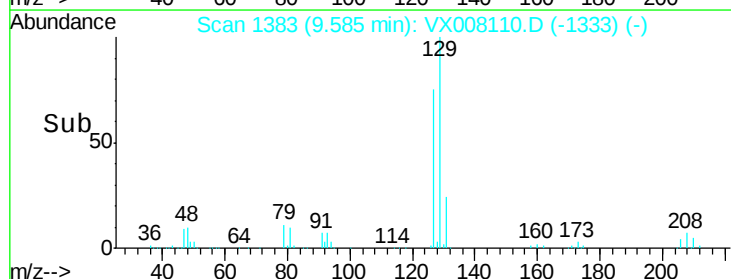
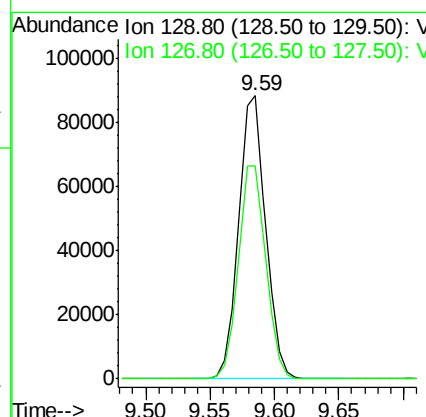
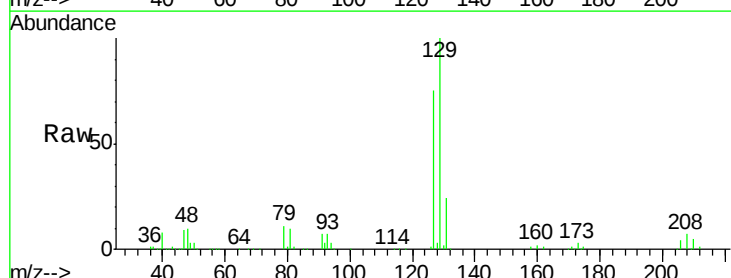
Manual Integrations
APPROVED

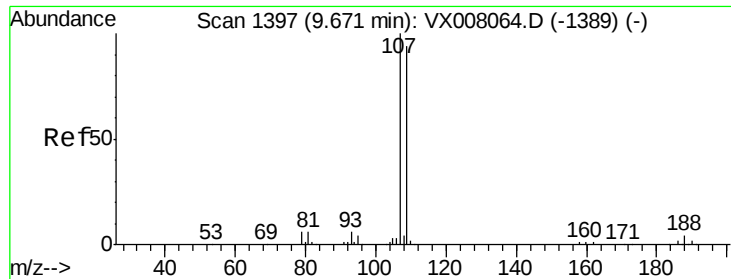
MMDadoda
3/16/2019 10:33:17 AM



#60
Dibromochloromethane
Concen: 56.288 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.3	114.8





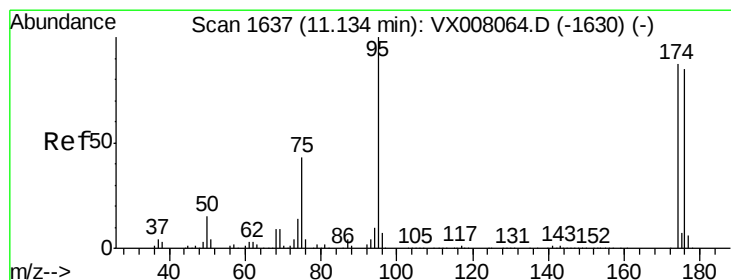
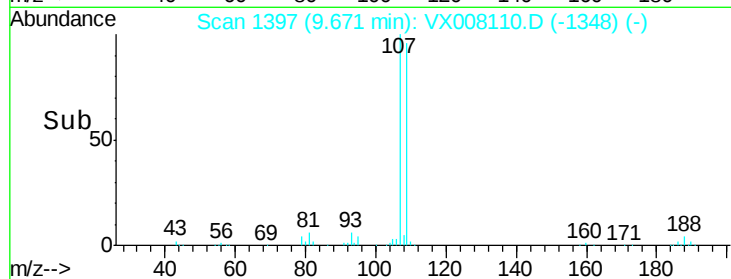
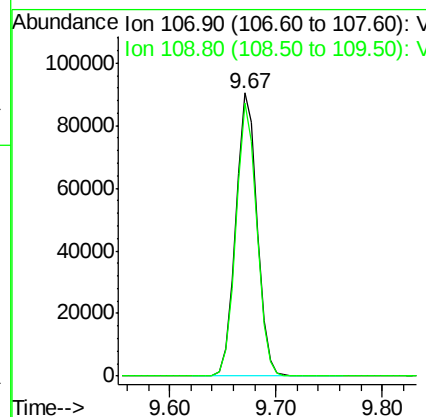
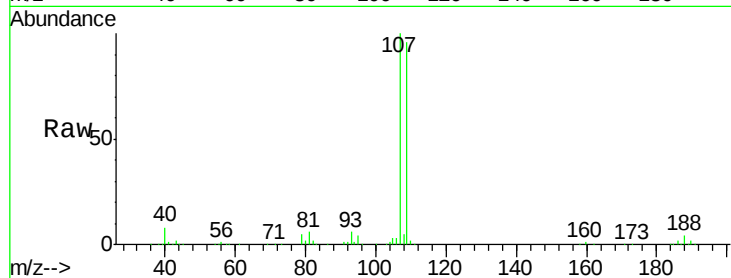
#61
 1,2-Dibromoethane
 Concen: 54.916 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.8	113.8

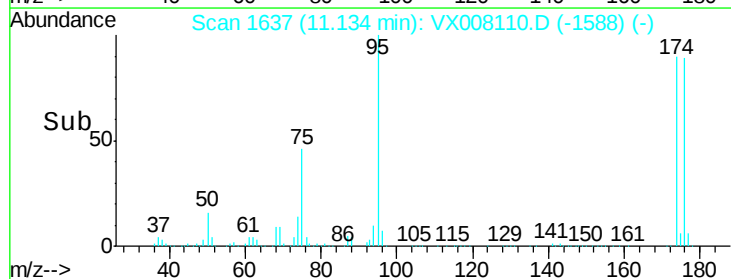
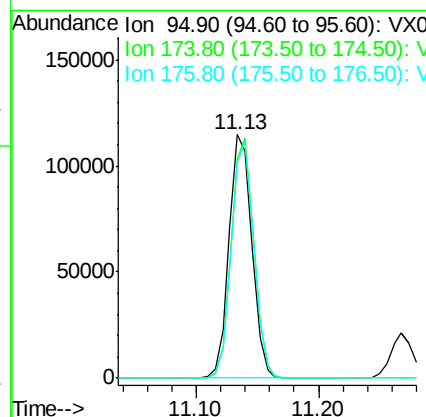
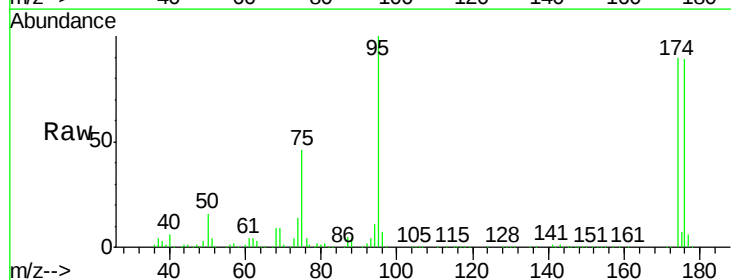
Manual Integrations
 APPROVED

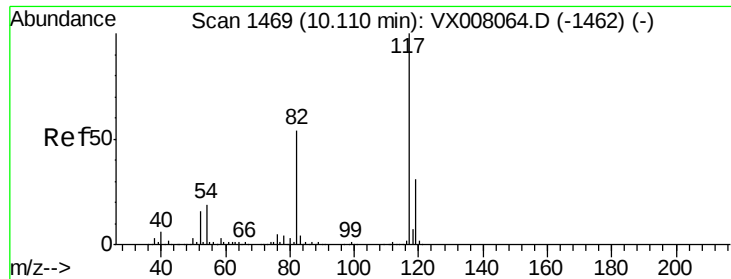
MMDadoda
 3/16/2019 10:33:17 AM



#62
 4-Bromofluorobenzene
 Concen: 50.378 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	182.8
176	95.2	0.0	178.0





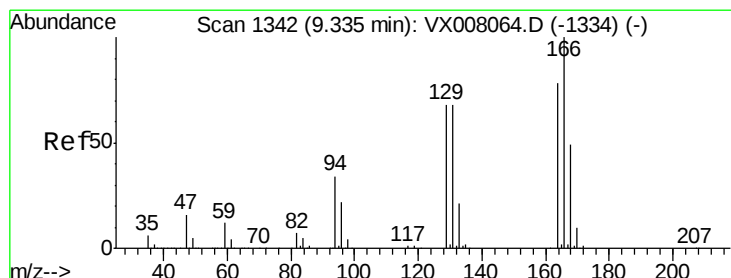
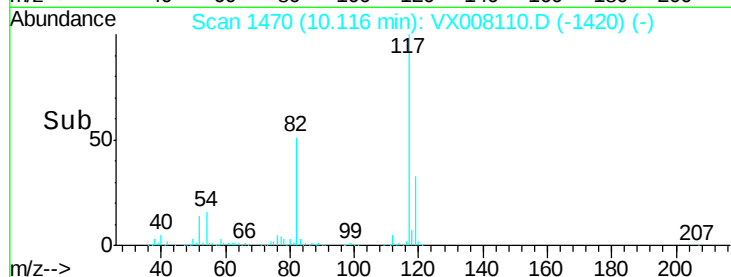
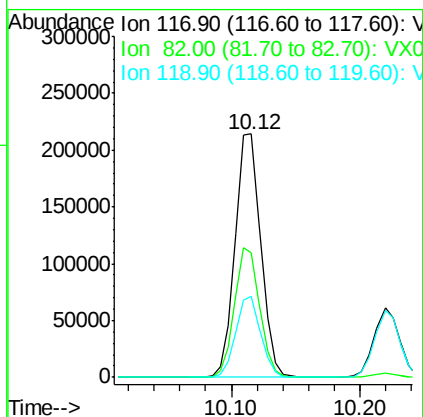
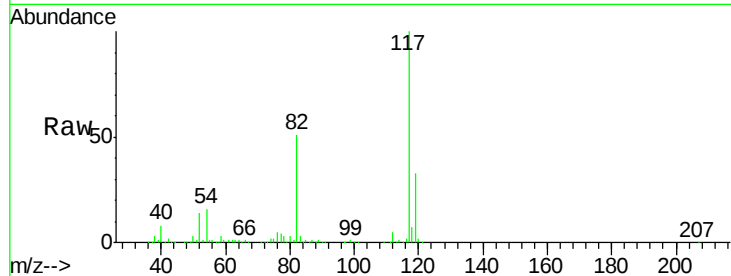
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299130		
82	51.4	44.3	66.5	
119	33.1	25.3	37.9	

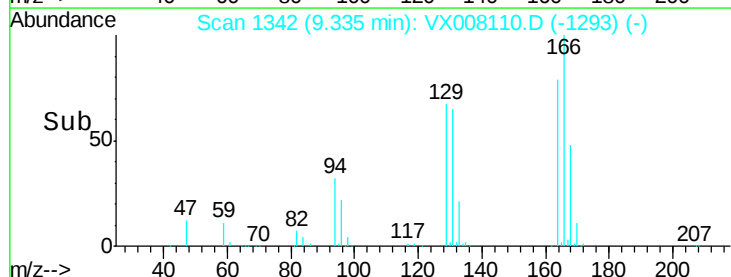
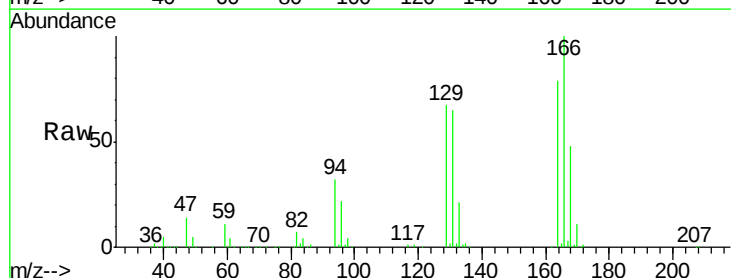
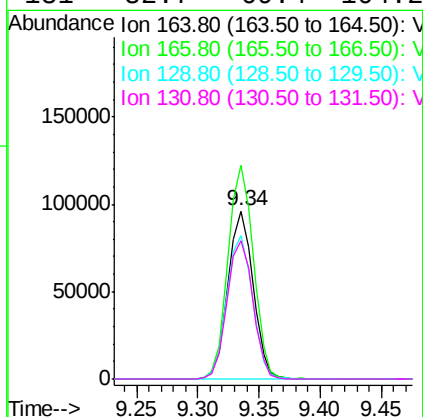
Manual Integrations
APPROVED

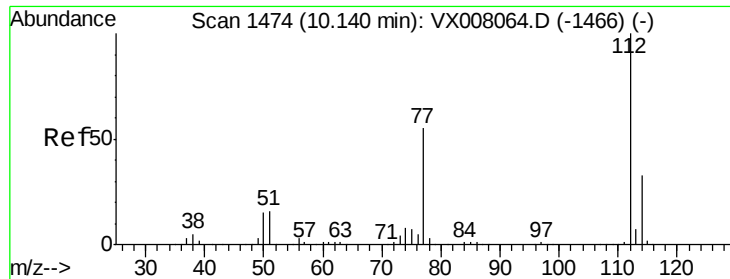
MMDadoda
3/16/2019 10:33:17 AM



#64
Tetrachloroethene
Concen: 56.435 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136780		
166	127.3	103.4	155.0	
129	85.8	72.2	108.4	
131	82.7	69.4	104.2	





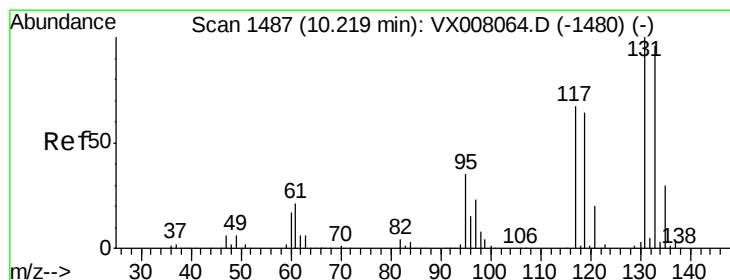
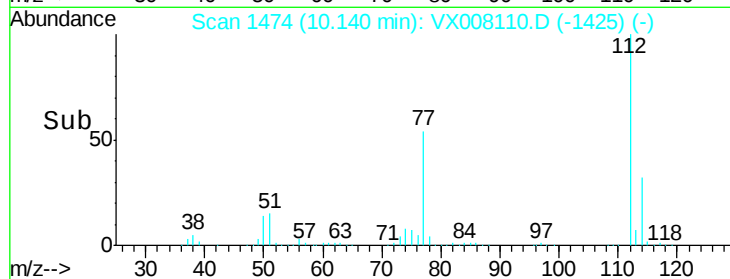
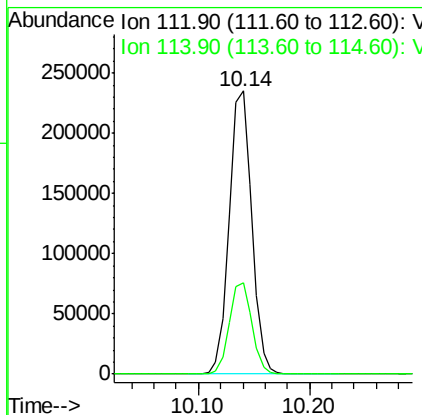
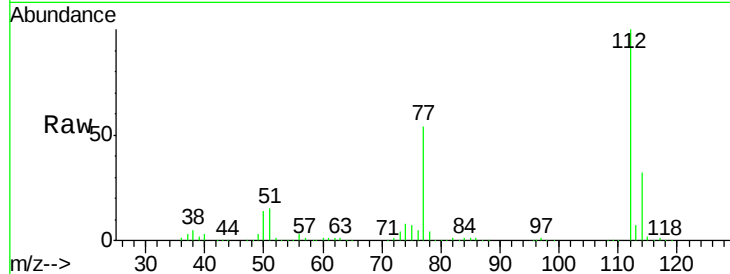
#65
Chlorobenzene
Concen: 55.565 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 329838
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

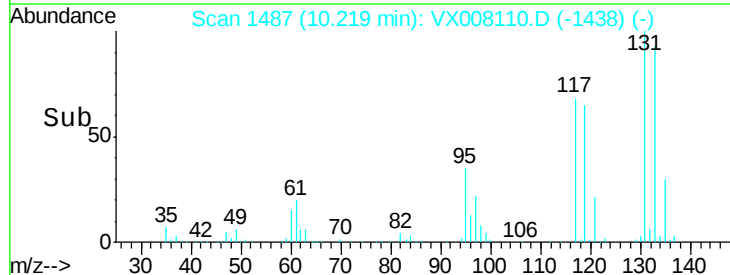
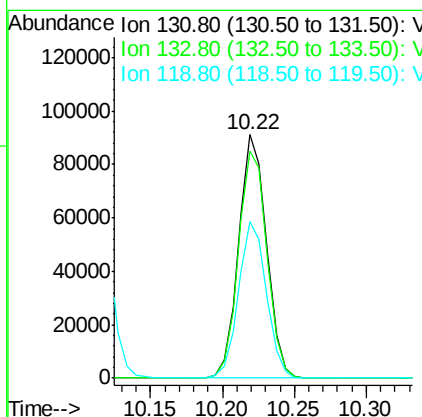
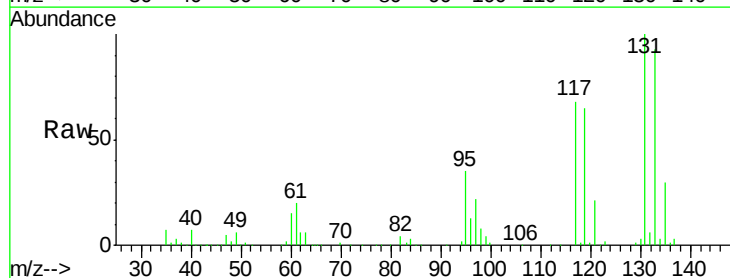
Manual Integrations
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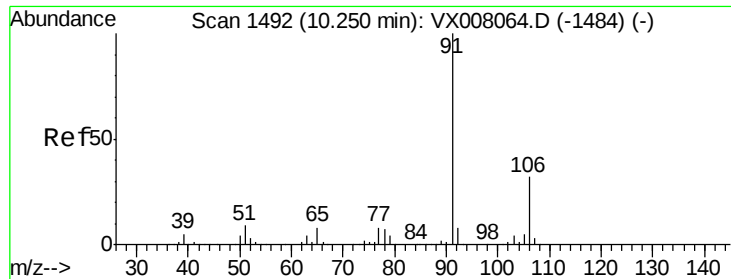
MMDadoda
3/16/2019 10:33:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.896 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion:131 Resp: 121968
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 64.7 32.5 97.5





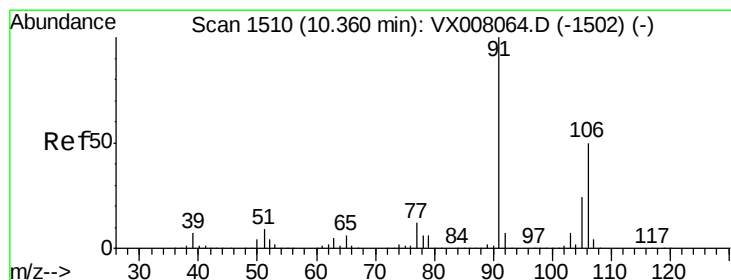
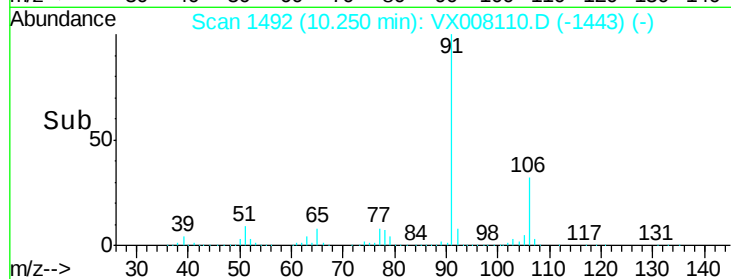
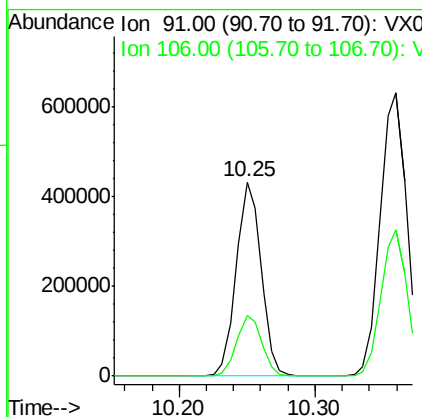
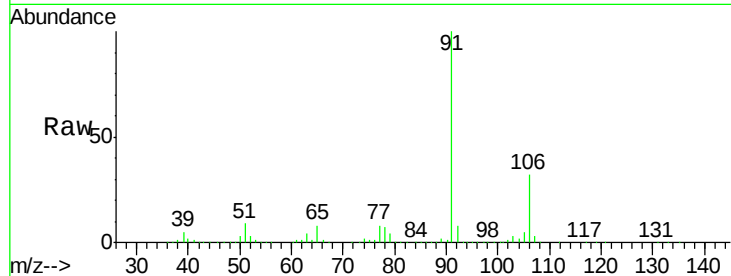
#67
Ethyl Benzene
Concen: 56.233 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 552505
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

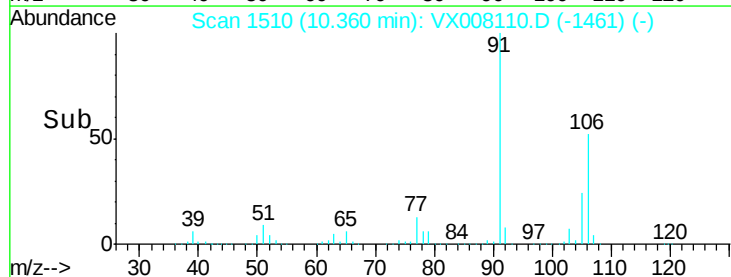
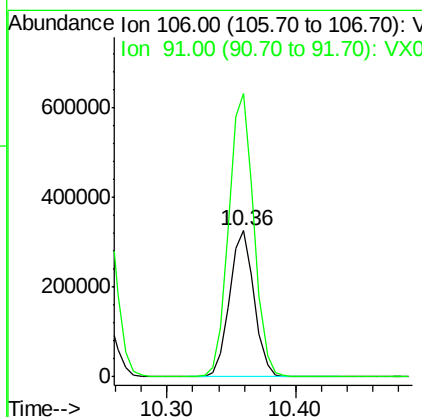
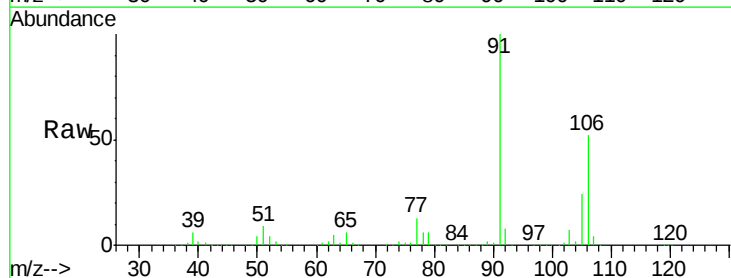
Manual Integrations
APPROVED

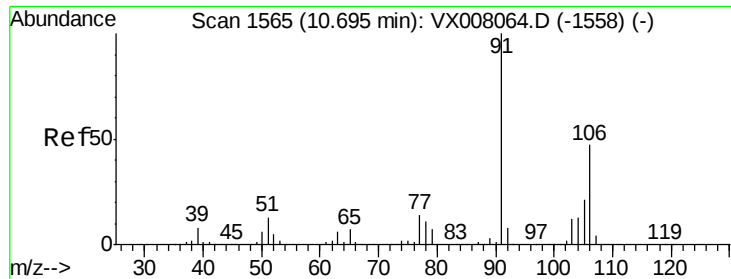
MMDadoda
3/16/2019 10:33:17 AM



#68
m/p-Xylenes
Concen: 115.633 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion: 106 Resp: 434743
Ion Ratio Lower Upper
106 100
91 197.9 159.8 239.6





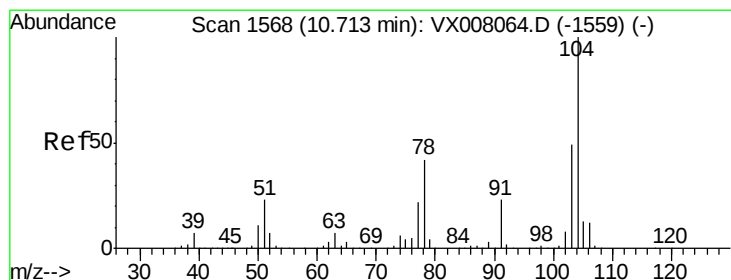
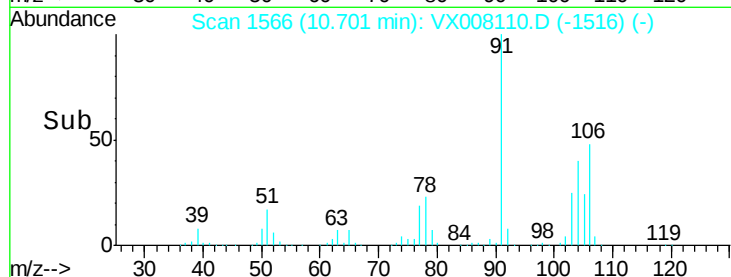
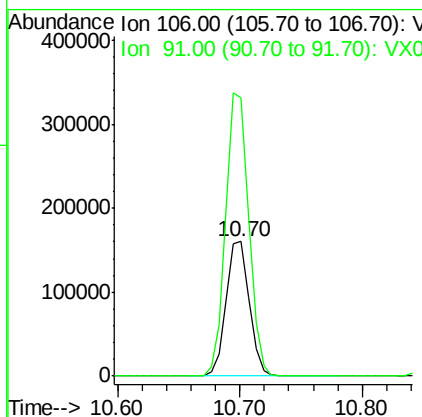
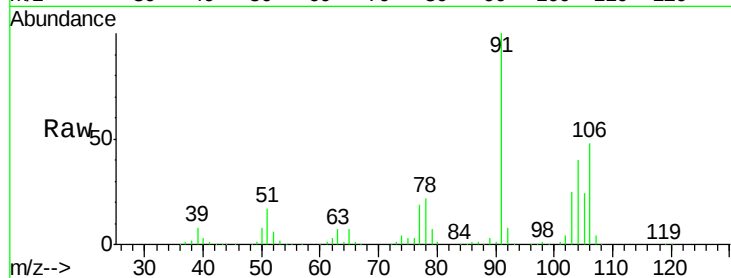
#69
o-Xylene
Concen: 57.070 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		209168		
91	210.1	106.3	318.9		

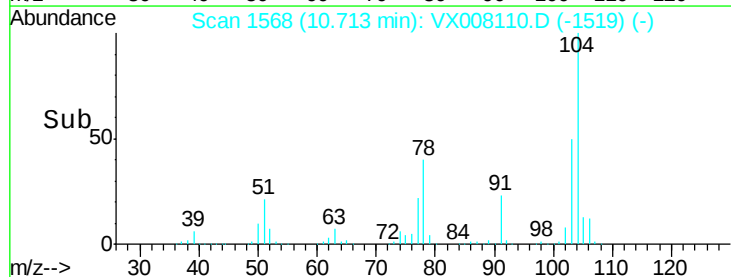
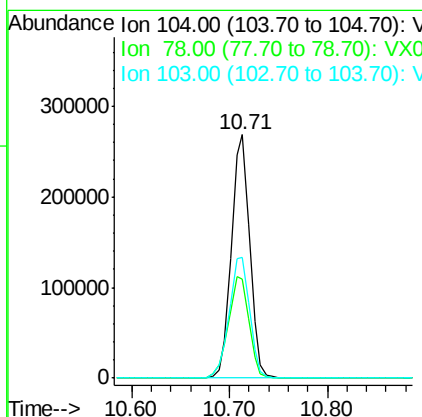
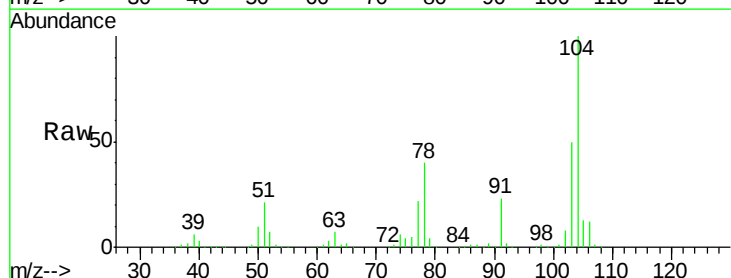
Manual Integrations
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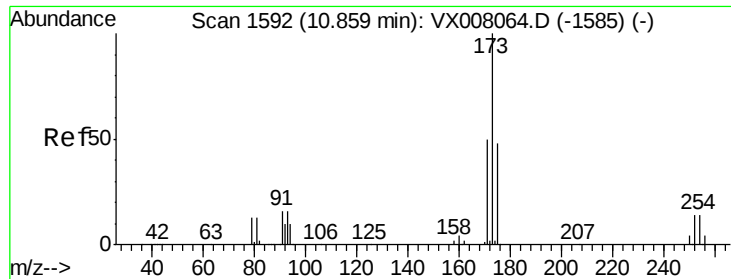
MMDadoda
3/16/2019 10:33:17 AM



#70
Styrene
Concen: 58.228 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		349608		
78	47.1	38.5	57.7		
103	55.4	44.1	66.1		





#71

Bromoform

Concen: 61.089 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 106503

Ion Ratio Lower Upper

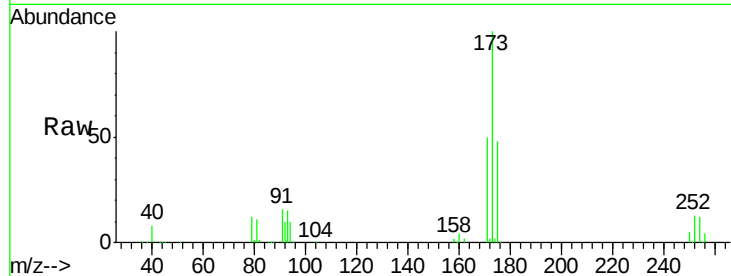
173 100

175 48.3 24.3 72.9

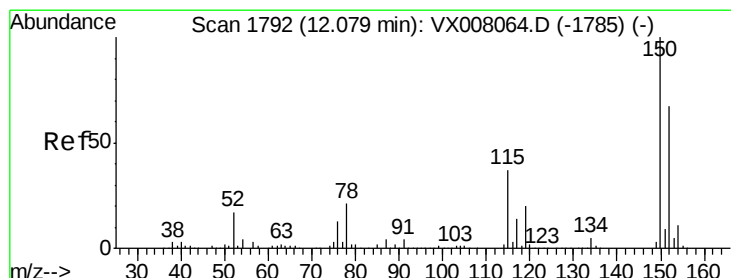
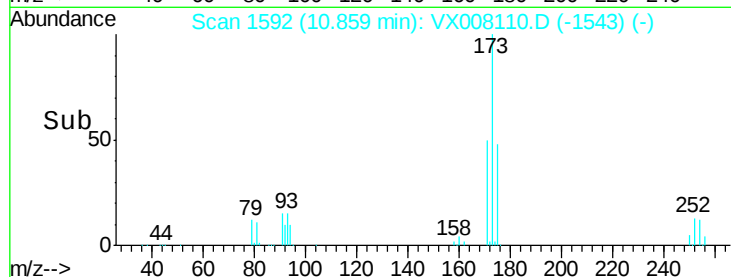
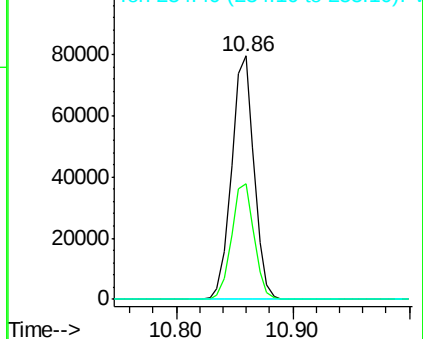
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

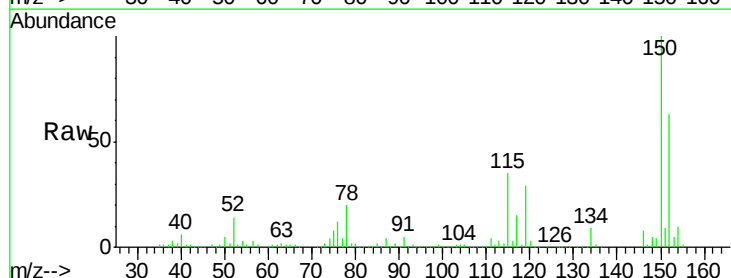
Tgt Ion:152 Resp: 163075

Ion Ratio Lower Upper

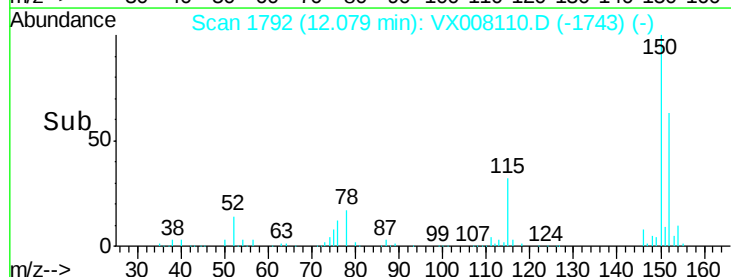
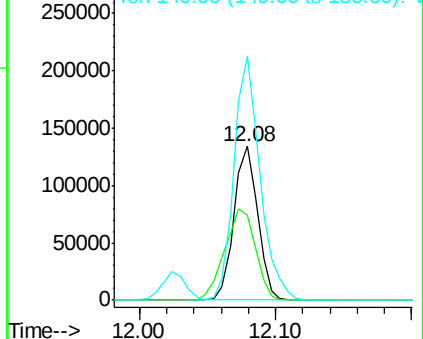
152 100

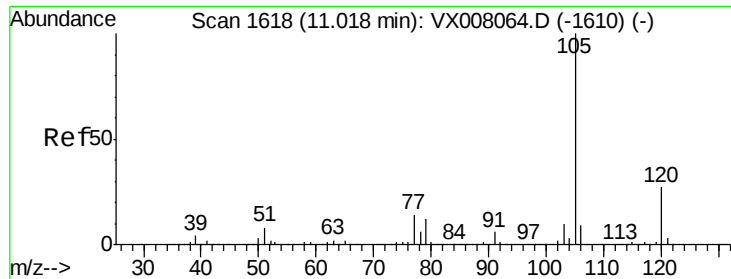
115 76.7 38.6 115.7

150 174.0 0.0 348.4



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





#73

Isopropylbenzene

Concen: 54.882 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 573224

Ion Ratio Lower Upper

105 100

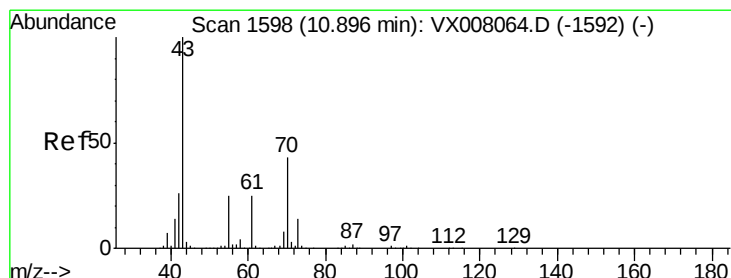
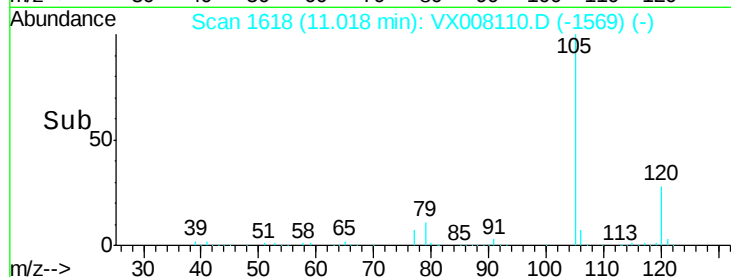
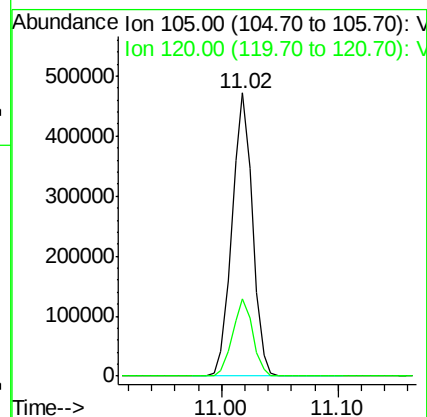
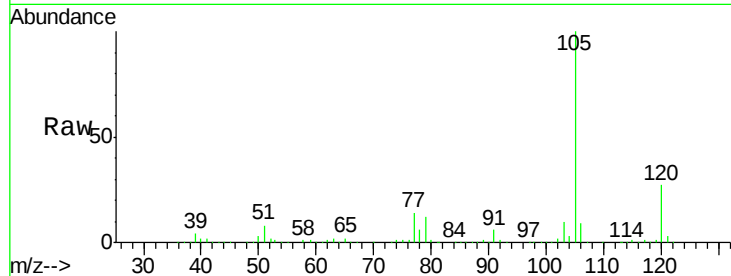
120 27.0 13.4 40.1

Manual Integrations

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3/16/2019 10:33:17 AM



#74

N-ethyl acetate

Concen: 49.403 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tgt Ion: 43 Resp: 217666

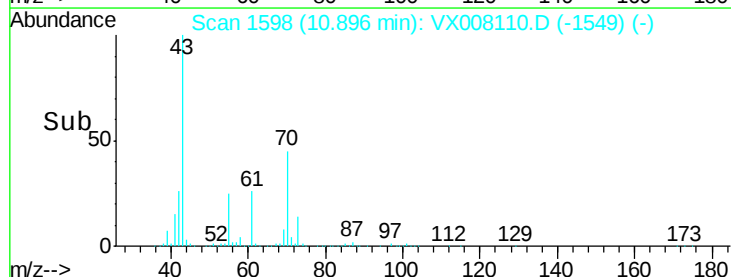
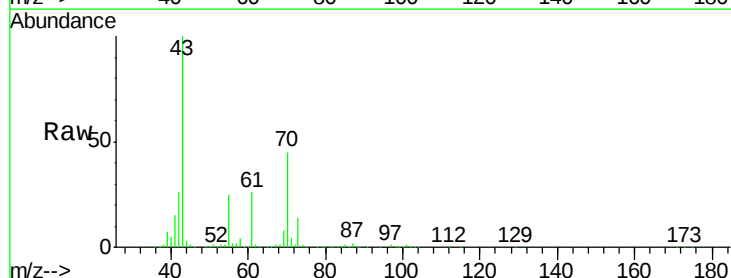
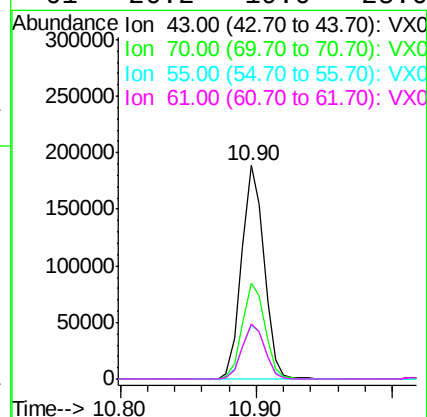
Ion Ratio Lower Upper

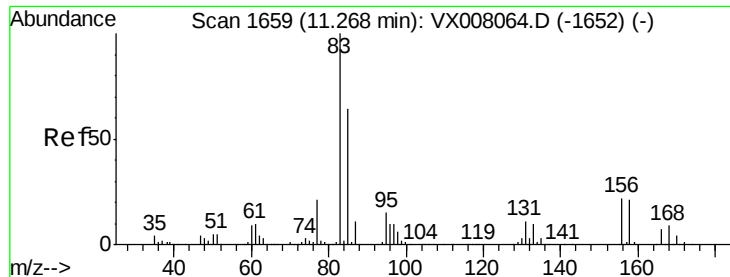
43 100

70 45.7 33.5 50.3

55 25.9 19.2 28.8

61 26.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.369 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 175799

Ion Ratio Lower Upper

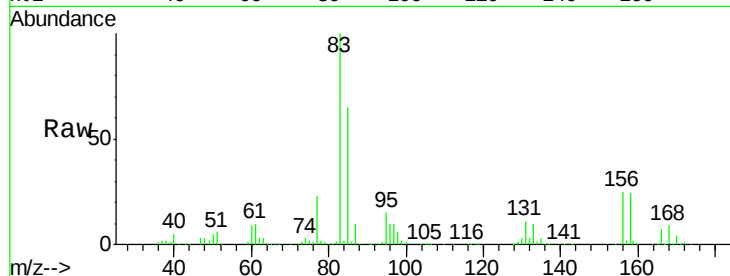
83 100

131 11.5 5.4 16.2

85 65.1 32.3 96.8

Manual Integrations
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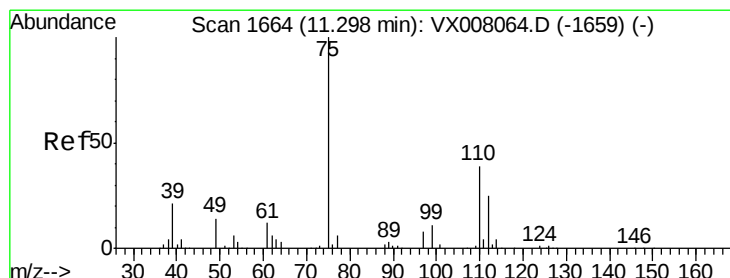
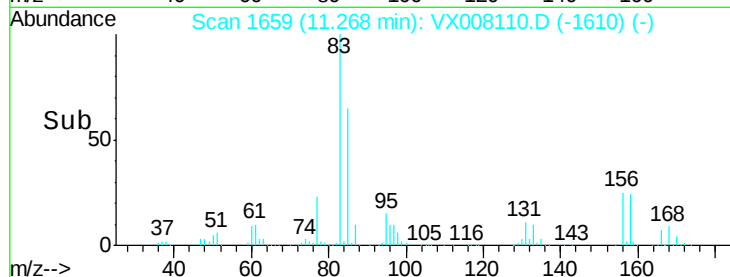
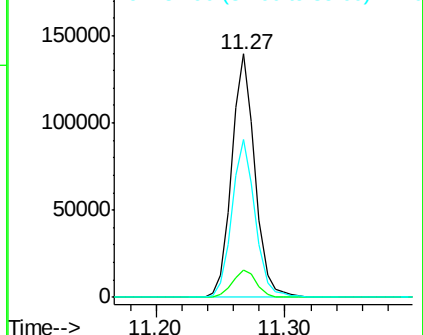
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.975 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX008110.D

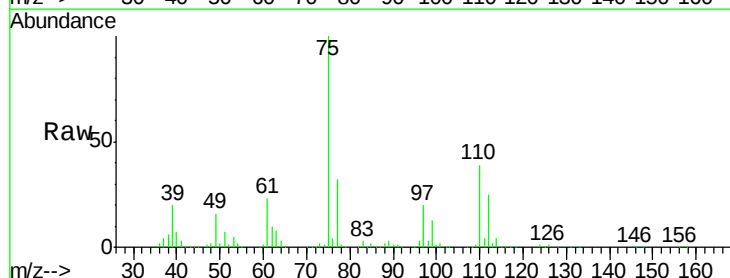
Acq: 15 Mar 2019 17:13

Tgt Ion: 75 Resp: 169858

Ion Ratio Lower Upper

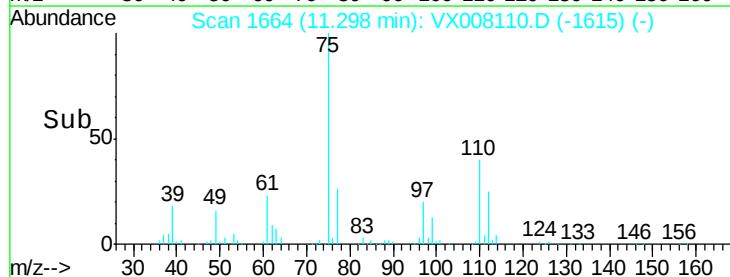
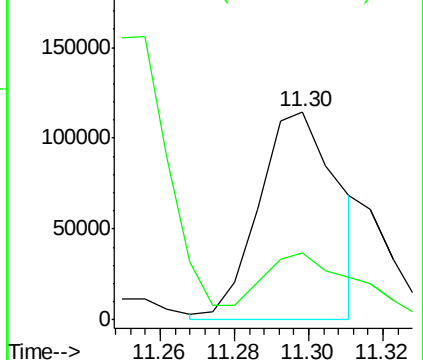
75 100

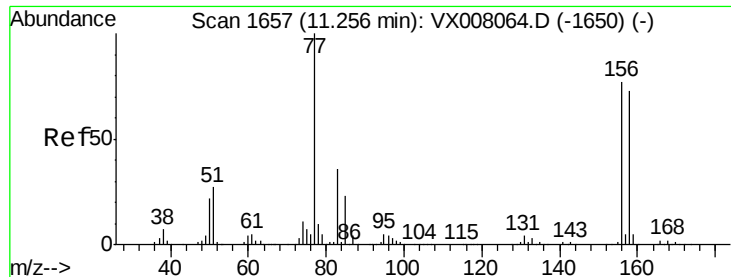
77 38.0 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 54.737 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

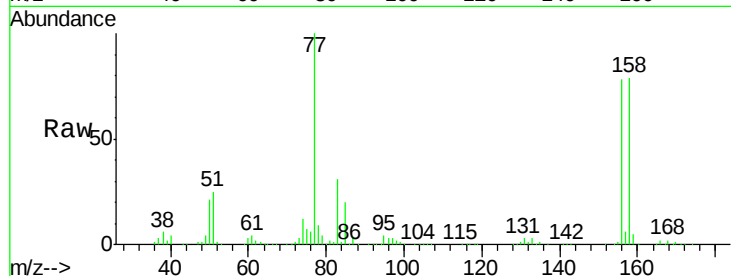
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	156048
Ion Ratio	Lower	Upper	
156	100		
77	133.8	72.0	215.9
158	97.8	48.6	145.9

Manual Integrations
APPROVED

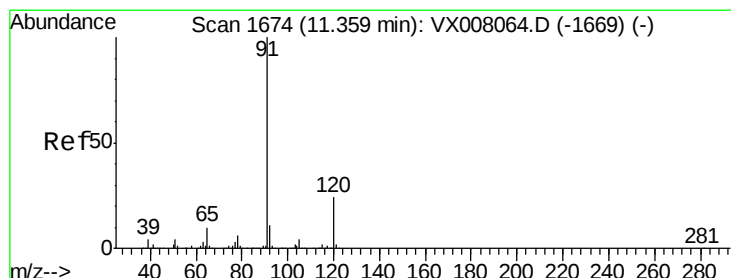
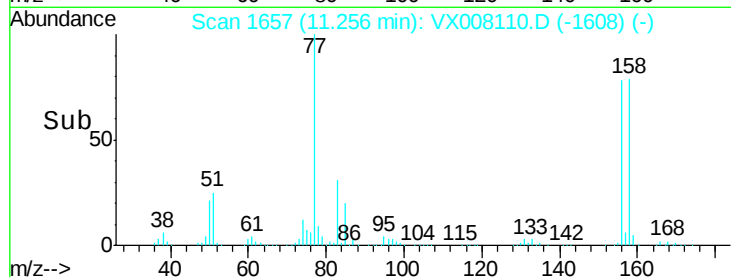
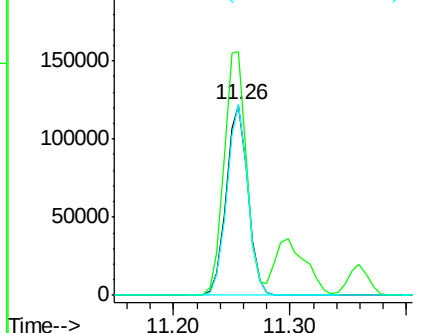
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.619 ug/l

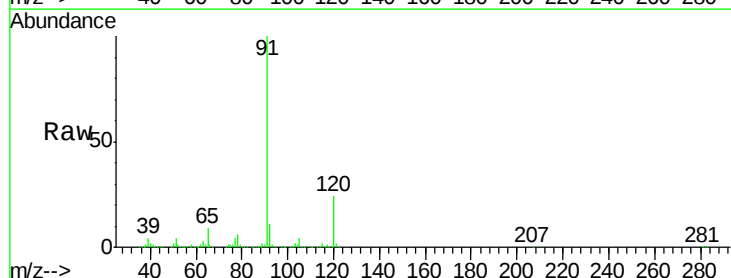
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008110.D

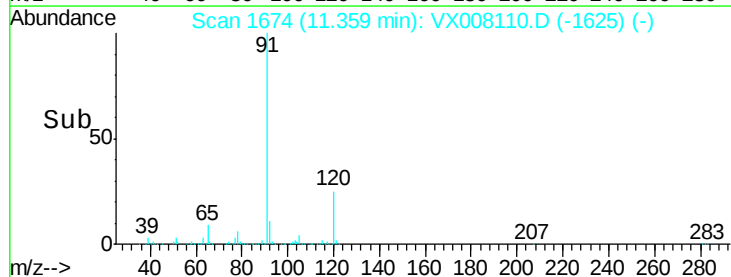
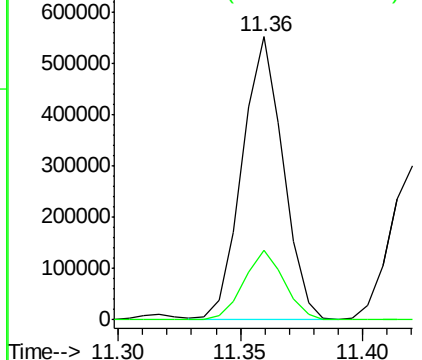
Acq: 15 Mar 2019 17:13

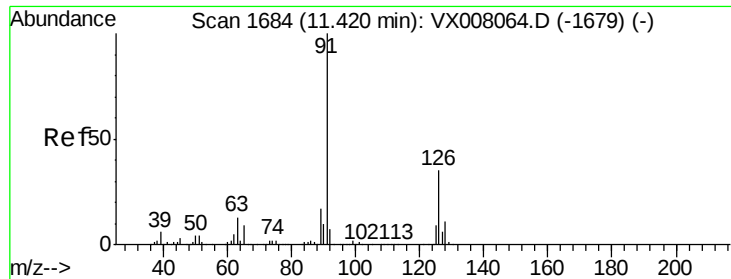
Tgt Ion:	91	Resp:	637340
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.559 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 374818

Ion Ratio Lower Upper

91 100

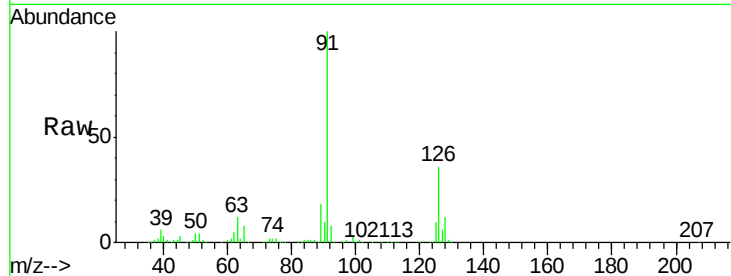
126 36.2 17.5 52.6

Manual Integrations

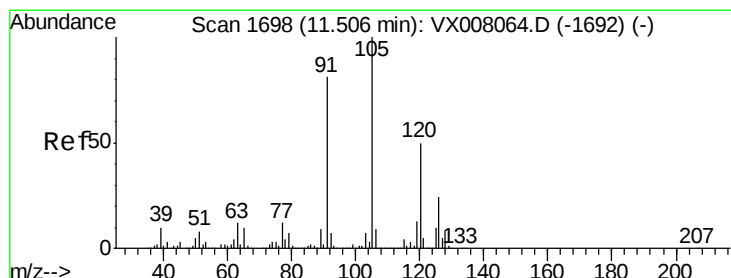
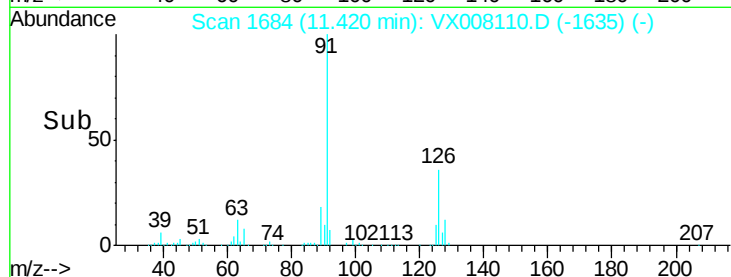
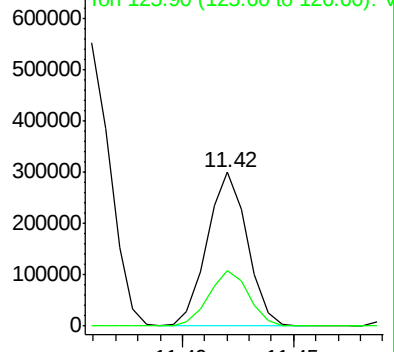
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Abundance Ion 91.00 (90.70 to 91.70): VX008064.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.915 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008110.D

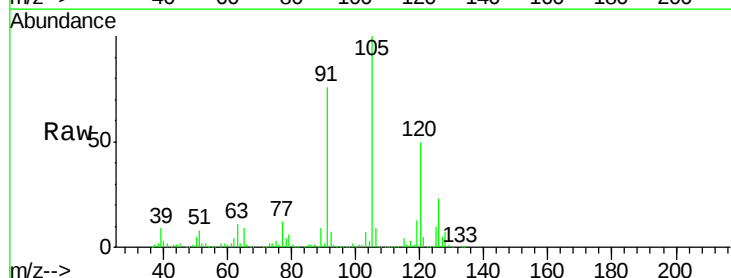
Acq: 15 Mar 2019 17:13

Tgt Ion: 105 Resp: 481245

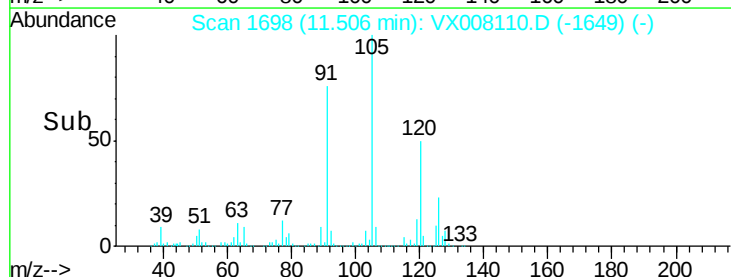
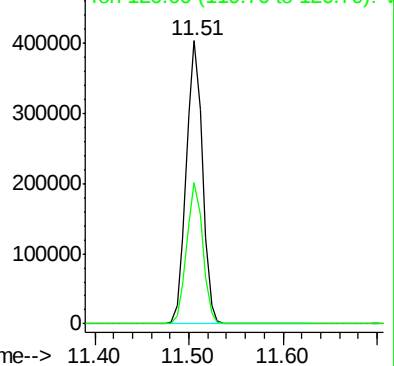
Ion Ratio Lower Upper

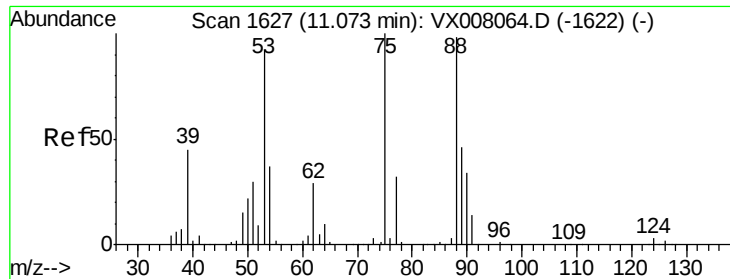
105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008064.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.964 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 55698

Ion Ratio Lower Upper

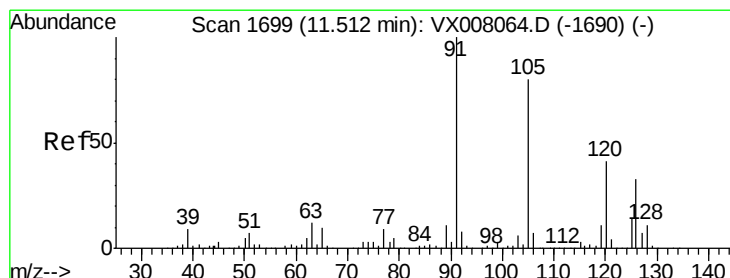
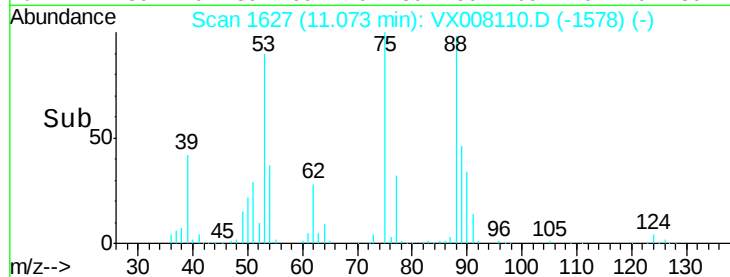
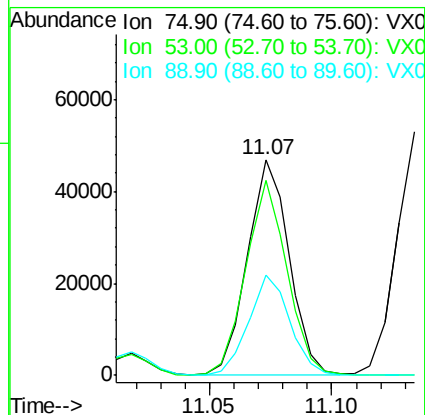
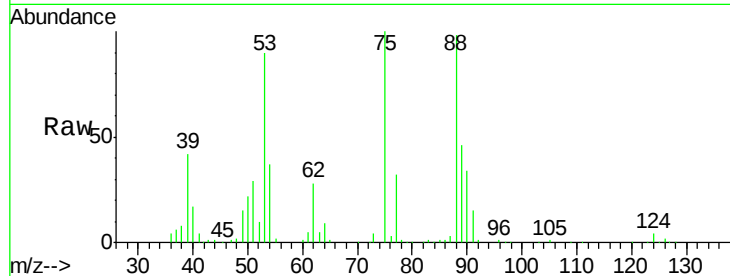
75 100

53 89.5 76.1 114.1

89 46.1 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.989 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008110.D

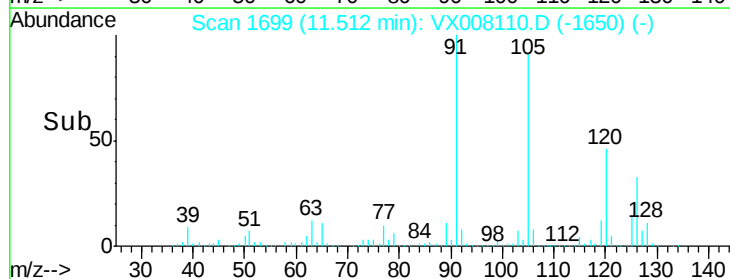
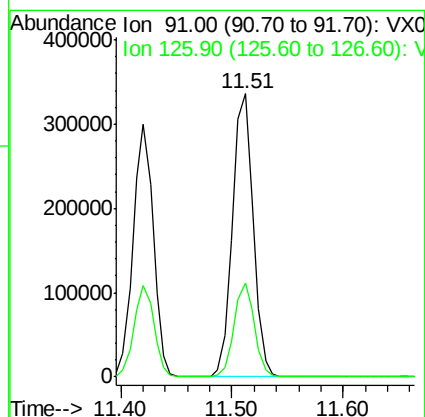
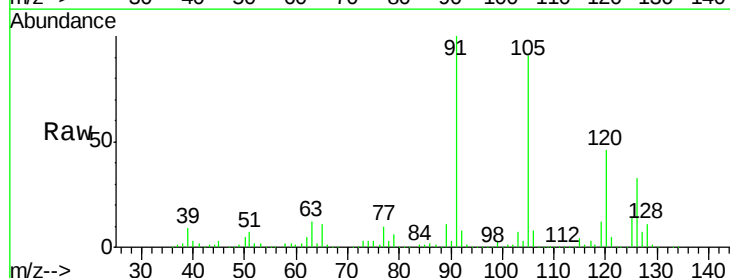
Acq: 15 Mar 2019 17:13

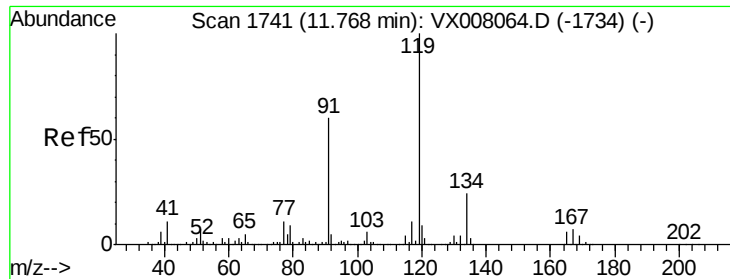
Tgt Ion: 91 Resp: 432722

Ion Ratio Lower Upper

91 100

126 32.4 15.6 46.8





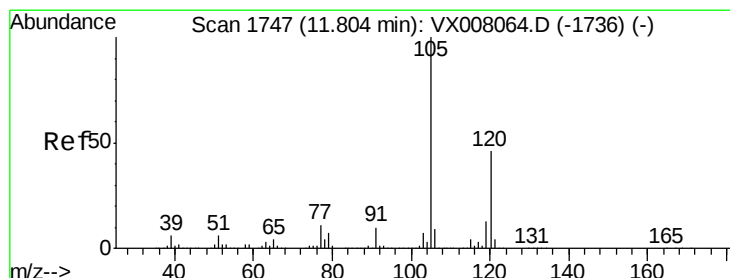
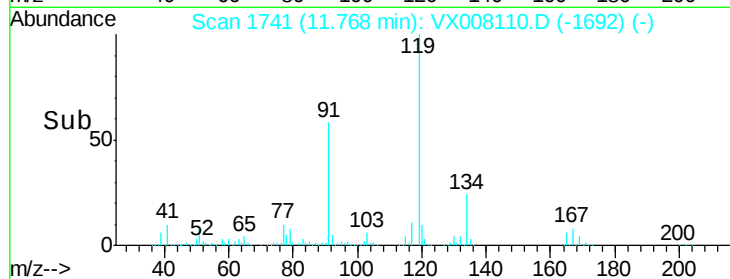
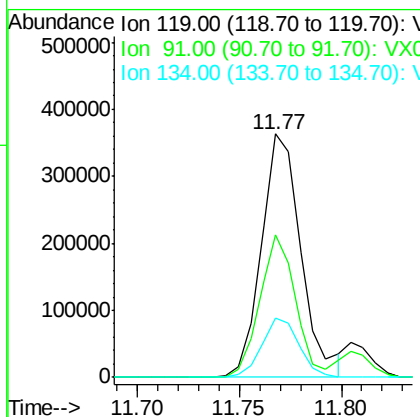
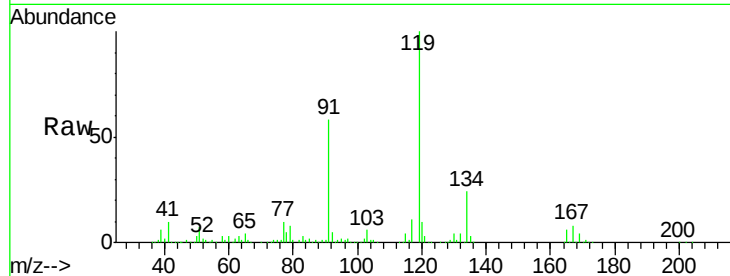
#83
tert-Butylbenzene
Concen: 56.866 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	490465		
91	52.7	27.1	81.3	
134	22.9	11.4	34.1	

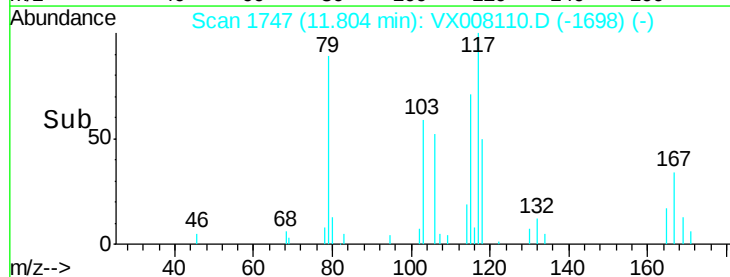
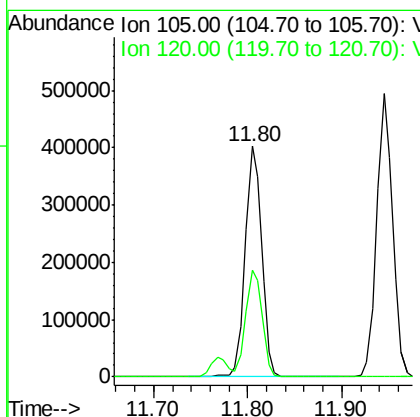
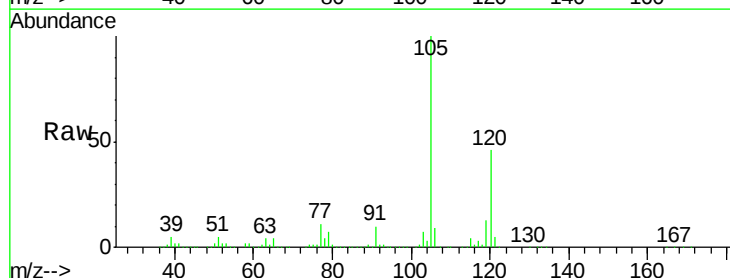
Manual Integrations
APPROVED

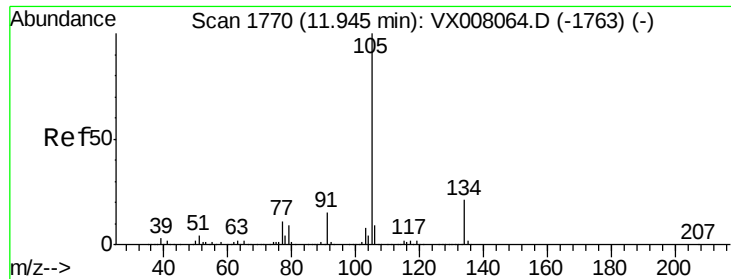
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#84
1,2,4-Trimethylbenzene
Concen: 55.456 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	492325		
120	45.8	22.6	67.7	





#85

sec-Butylbenzene

Concen: 56.212 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 577641

Ion Ratio Lower Upper

105 100

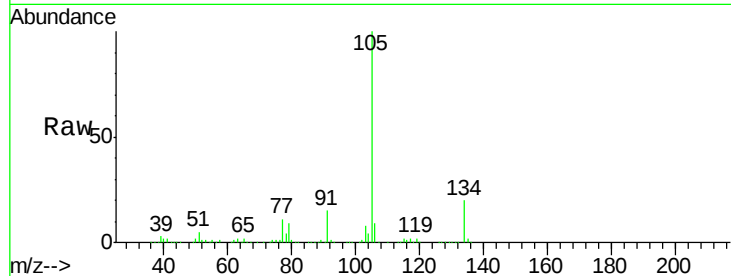
134 20.8 10.4 31.2

Manual Integrations

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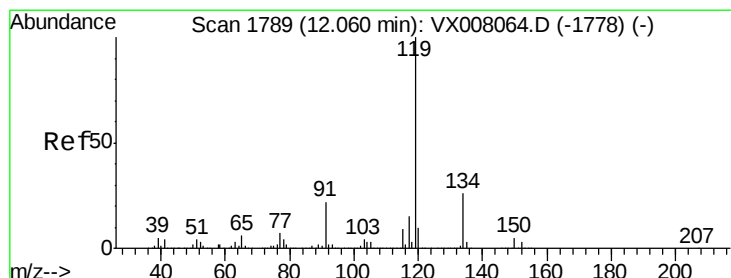
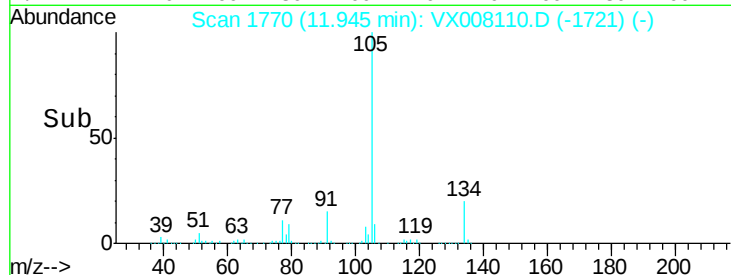
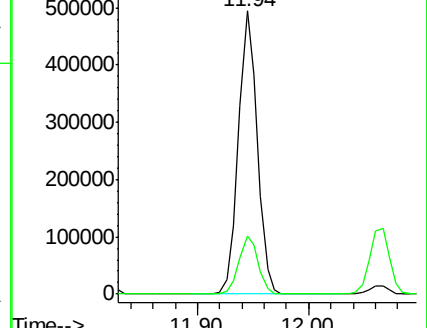
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.435 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

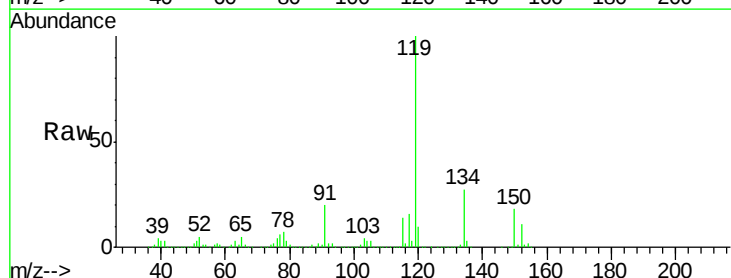
Tgt Ion:119 Resp: 533784

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

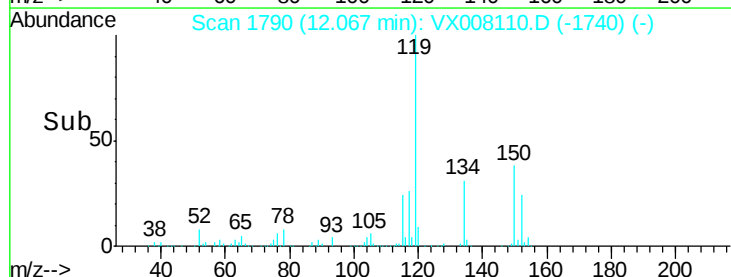
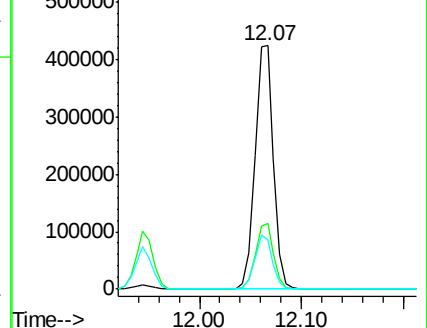
91 21.1 10.9 32.7

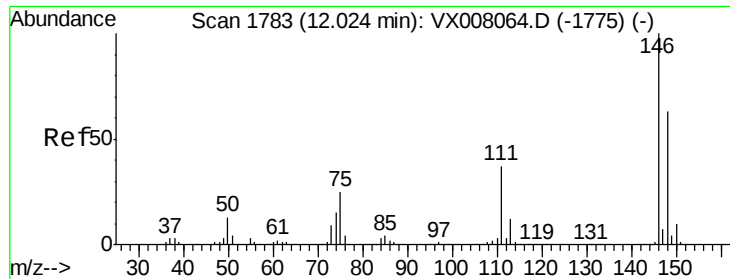


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 55.425 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Instrument :

MSVOA_X

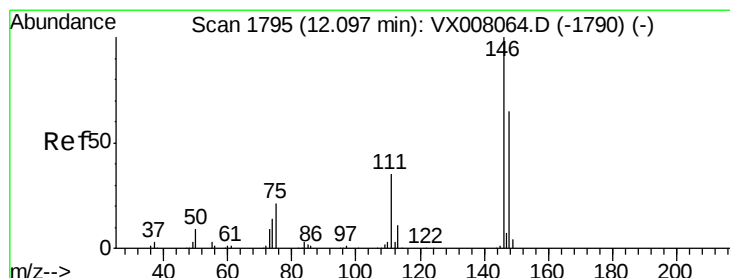
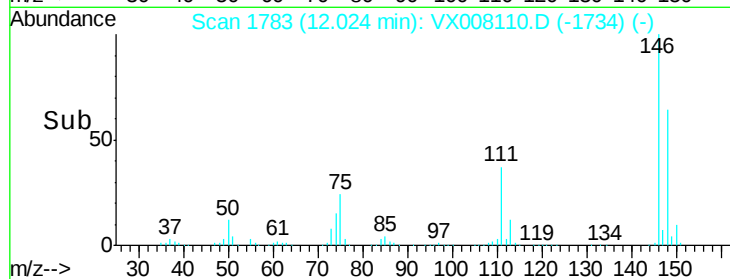
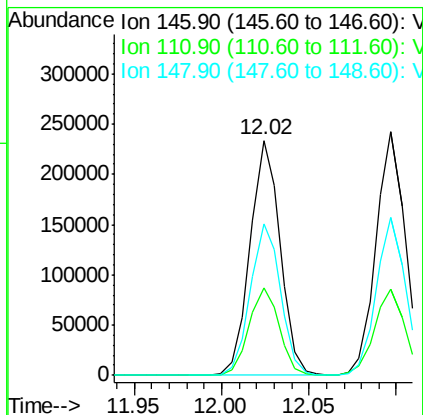
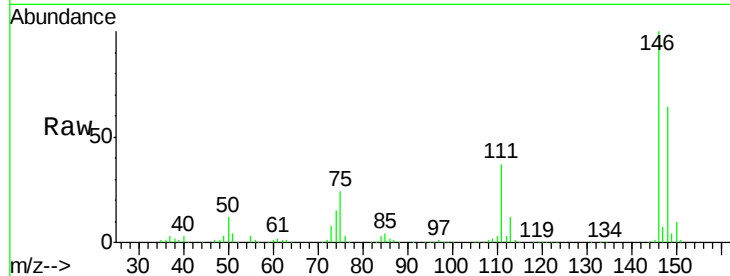
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	281217
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.7
148	64.6	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.809 ug/l

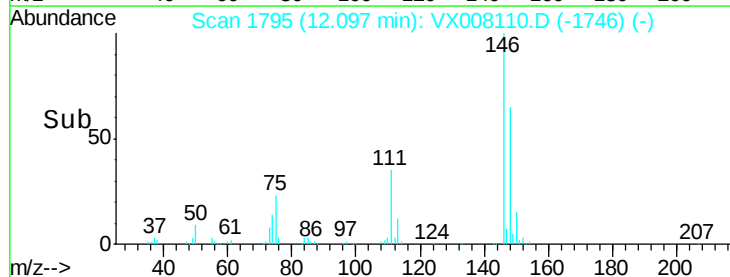
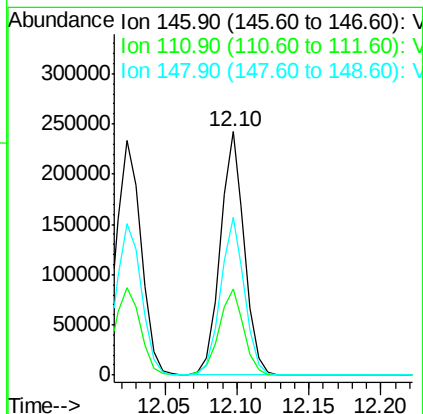
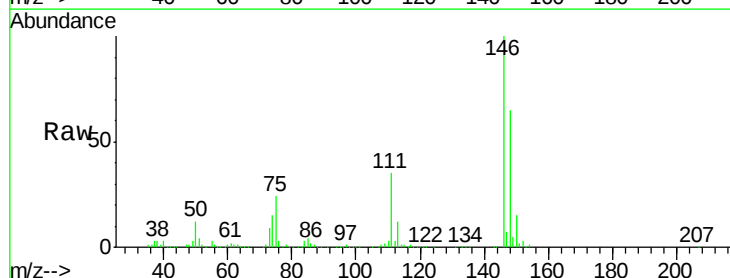
RT: 12.10 min Scan# 1795

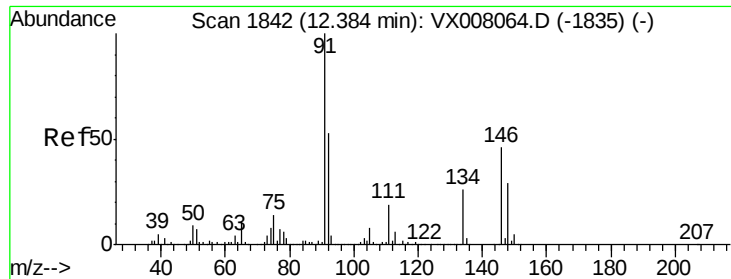
Delta R.T. 0.00 min

Lab File: VX008110.D

Acq: 15 Mar 2019 17:13

Tgt Ion:	146	Resp:	282385
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.4	55.0
148	64.5	32.2	96.6





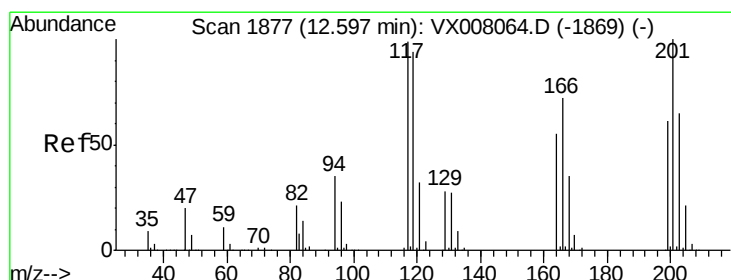
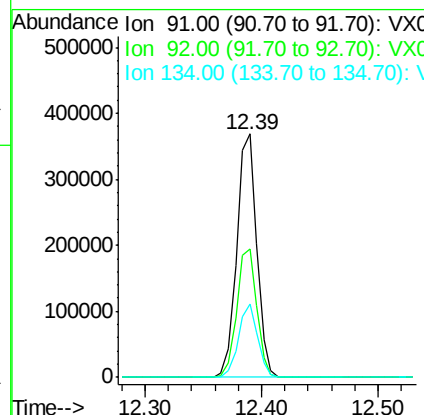
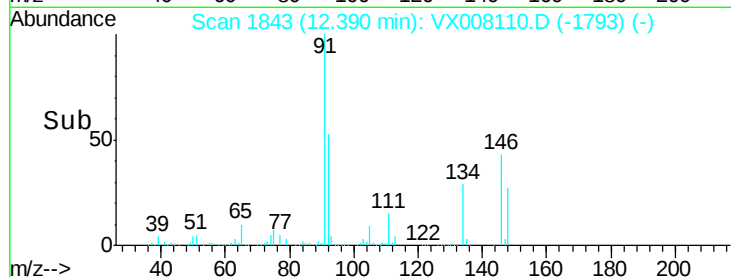
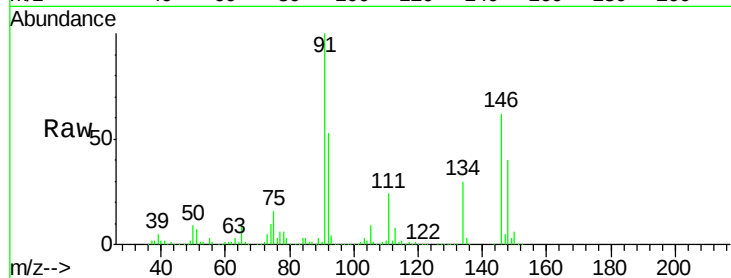
#89
n-Butylbenzene
Concen: 56.755 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	28.9	13.7	41.0

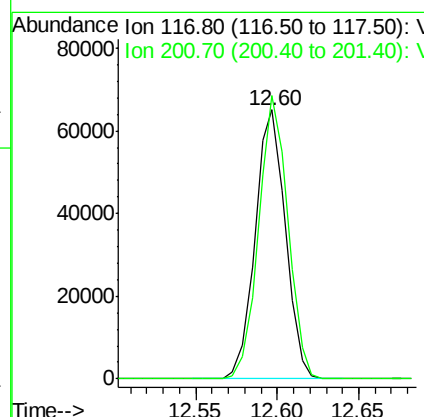
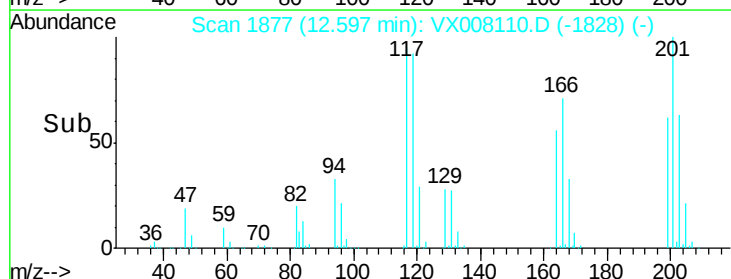
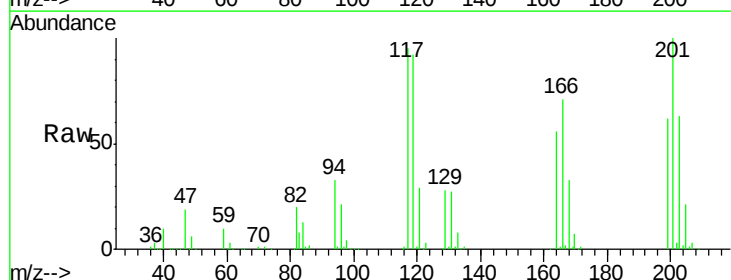
Manual Integrations
APPROVED

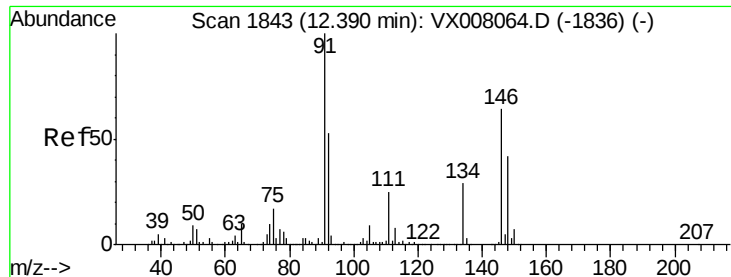
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#90
Hexachloroethane
Concen: 56.525 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.8	48.9	146.7





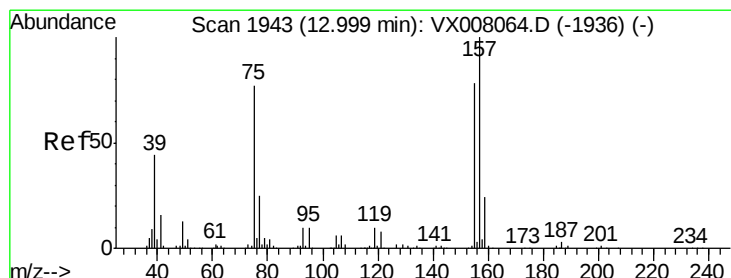
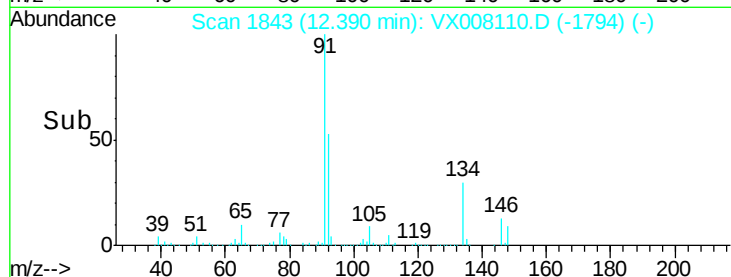
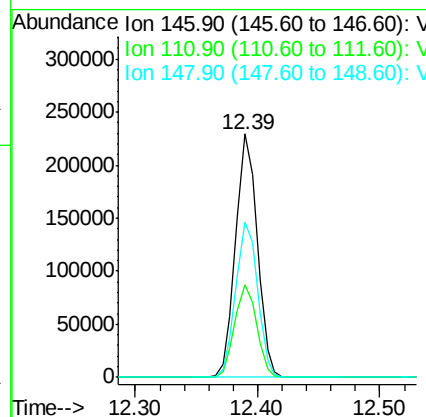
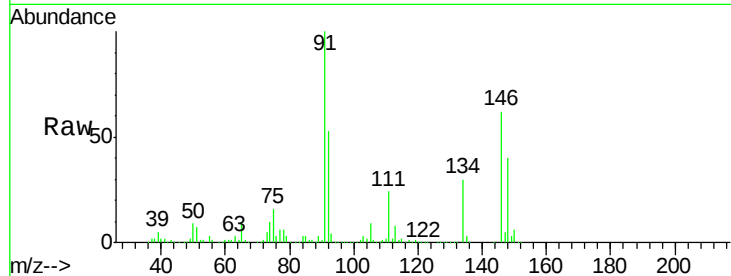
#91
 1,2-Dichlorobenzene
 Concen: 55.648 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	64.6	31.9	95.5

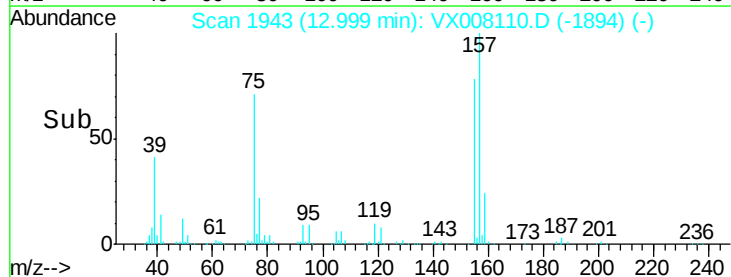
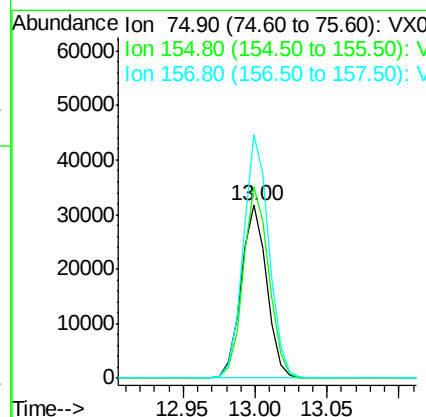
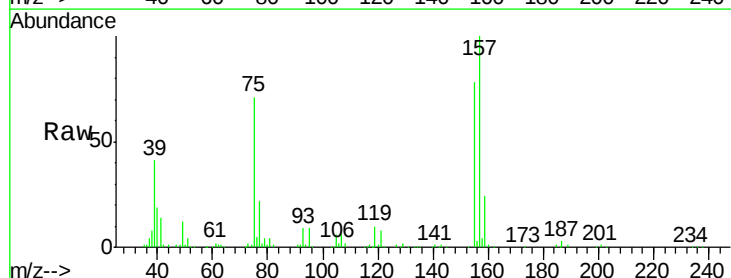
Manual Integrations
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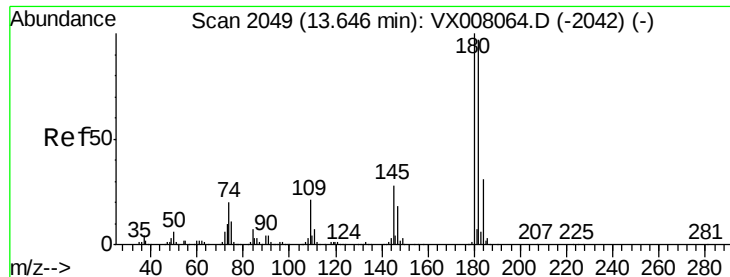
MMDadoda
 3/16/2019 10:33:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.810 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.0	49.7	149.1
157	139.4	63.8	191.4





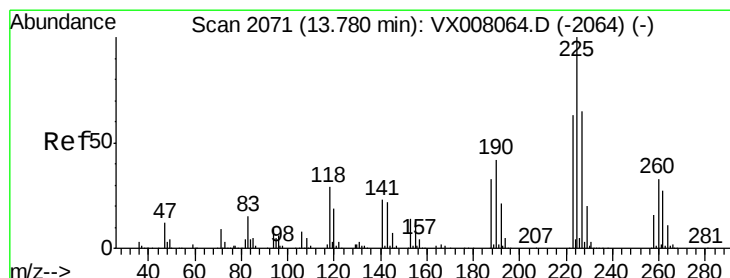
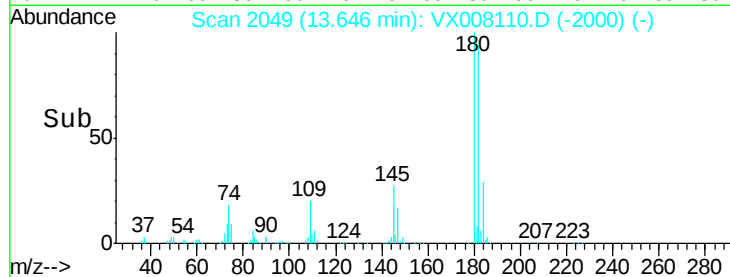
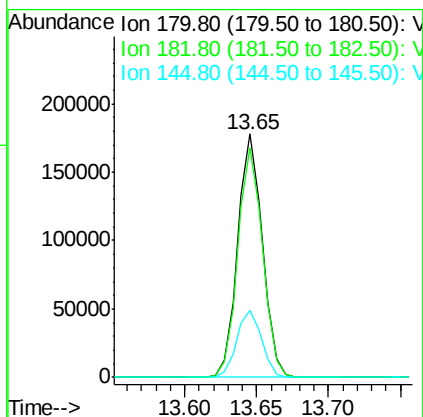
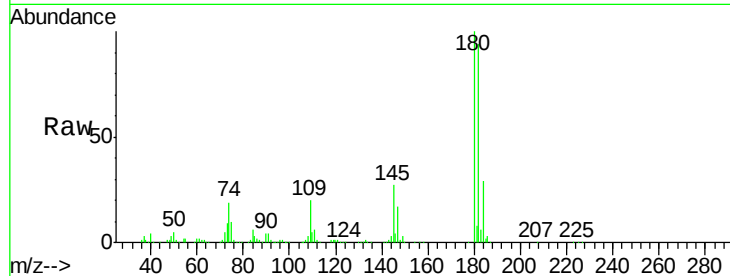
#93
 1,2,4-Trichlorobenzene
 Concen: 59.531 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	212282
Ion Ratio		Lower	Upper
180	100		
182	94.8	47.9	143.7
145	27.9	14.1	42.4

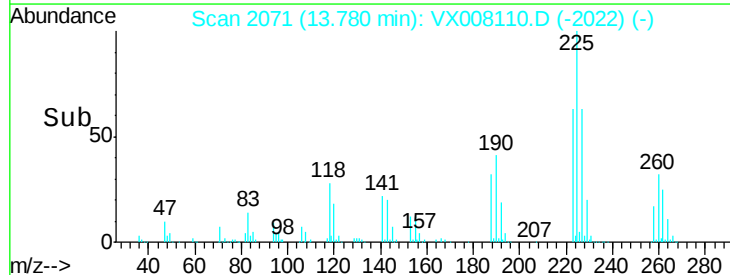
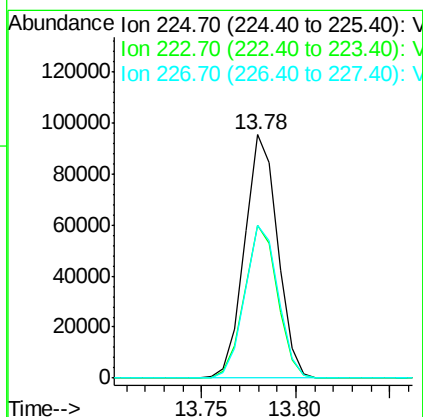
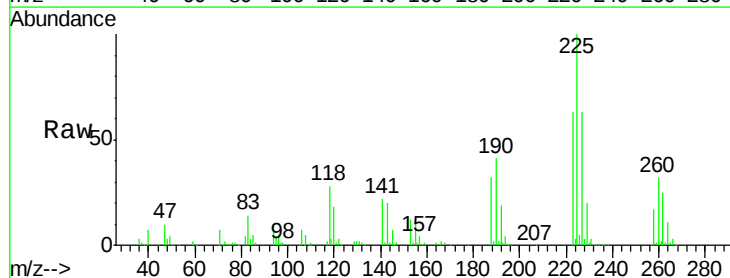
Manual Integrations
 APPROVED

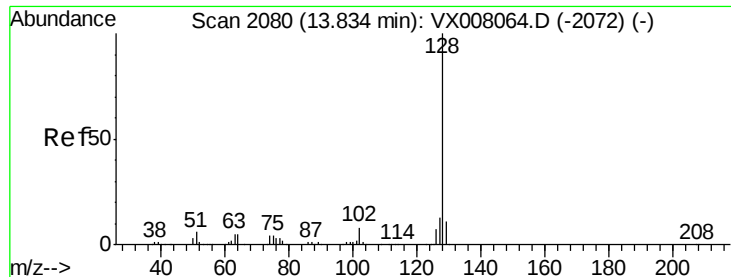
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#94
 Hexachlorobutadiene
 Concen: 59.801 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008110.D
 Acq: 15 Mar 2019 17:13

Tgt Ion:	225	Resp:	115858
Ion Ratio		Lower	Upper
225	100		
223	62.8	31.1	93.2
227	63.3	32.0	96.0





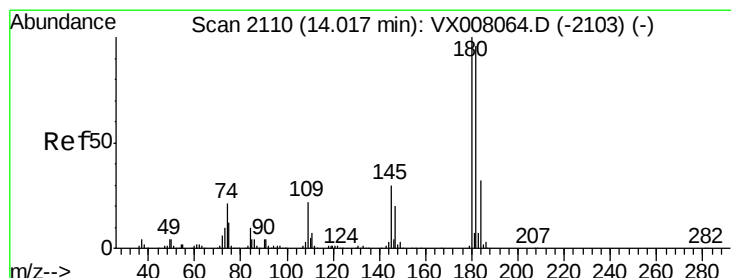
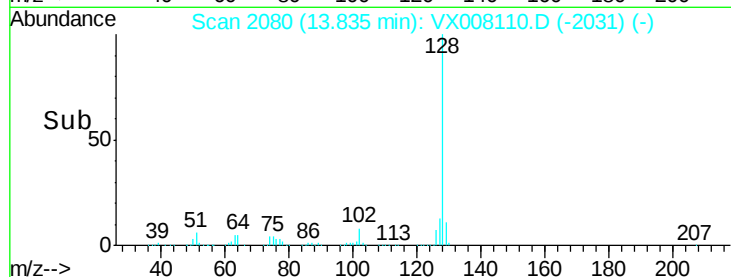
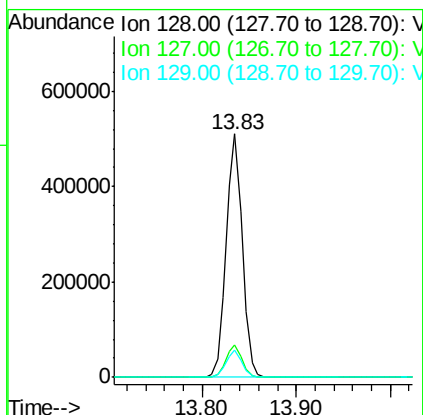
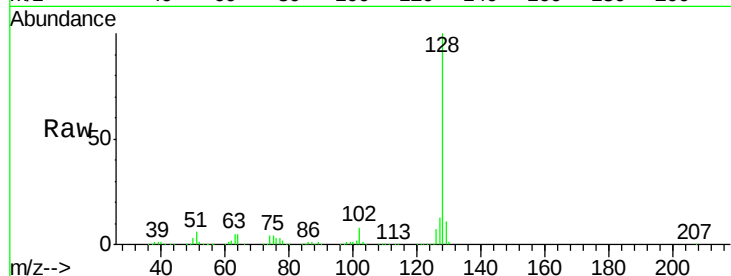
#95
Naphthalene
Concen: 60.375 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 59.895 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008110.D
Acq: 15 Mar 2019 17:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	30.2	14.8	44.3

