

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014501.D
 Acq On : 09 Jan 2020 17:00
 Operator : JC/SP
 Sample : VX0109WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD02

Manual Integrations
 APPROVED

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1/10/2020 8:35:07 AM

Quant Time: Jan 09 17:27:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	489844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	730790	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	660948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333284	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	267963	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
35) Dibromofluoromethane	5.48	113	219421	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	850506	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.14	95	301953	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	119464	19.797	ug/l	100
3) Chloromethane	1.32	50	122185	19.568	ug/l	100
4) Vinyl Chloride	1.40	62	137263	19.728	ug/l	97
5) Bromomethane	1.63	94	78339	16.986	ug/l	95
6) Chloroethane	1.72	64	78032	19.803	ug/l	98
7) Trichlorofluoromethane	1.92	101	151345	19.175	ug/l	96
8) Diethyl Ether	2.18	74	68869	19.126	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	91726	19.102	ug/l	99
10) Methyl Iodide	2.50	142	92580	16.101	ug/l	99
11) Tert butyl alcohol	3.02	59	120626	105.648	ug/l	98
12) 1,1-Dichloroethene	2.37	96	90012	18.605	ug/l	99
13) Acrolein	2.28	56	74757	81.687	ug/l	98
14) Allyl chloride	2.72	41	162644	19.148	ug/l	99
15) Acrylonitrile	3.13	53	277219	100.598	ug/l	99
16) Acetone	2.43	43	296217	105.623	ug/l	98
17) Carbon Disulfide	2.56	76	241696	17.905	ug/l	98
18) Methyl Acetate	2.76	43	169111	21.517	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	311495	20.057	ug/l	99
20) Methylene Chloride	2.85	84	104524	19.001	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	97225	18.408	ug/l	99
22) Diisopropyl ether	3.84	45	336832	20.520	ug/l	95
23) Vinyl Acetate	3.80	43	1251646	98.489	ug/l	100
24) 1,1-Dichloroethane	3.69	63	177934	19.927	ug/l	98
25) 2-Butanone	4.65	43	412405	100.963	ug/l	99
26) 2,2-Dichloropropane	4.58	77	139548	18.448	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	111083	18.814	ug/l	97
28) Bromochloromethane	5.00	49	76058	20.214	ug/l	94
29) Tetrahydrofuran	5.11	42	246920	102.243	ug/l	99
30) Chloroform	5.20	83	171025	19.600	ug/l	96
31) Cyclohexane	5.57	56	167614	20.054	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	145942	19.540	ug/l	99
36) 1,1-Dichloropropene	5.79	75	129274	18.811	ug/l	99
37) Ethyl Acetate	4.82	43	148071	19.836	ug/l	99
38) Carbon Tetrachloride	5.78	117	122178	19.319	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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Quant Time: Jan 09 17:27:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	171080	19.814	ug/l	98
40) Benzene	6.14	78	407654	19.986	ug/l	98
41) Methacrylonitrile	5.03	41	82740	20.785	ug/l	97
42) 1,2-Dichloroethane	6.18	62	138514	19.422	ug/l	97
43) Isopropyl Acetate	6.43	43	246277	20.423	ug/l	99
44) Trichloroethene	7.21	130	112280	19.155	ug/l	98
45) 1,2-Dichloropropane	7.51	63	105180	20.226	ug/l	99
46) Dibromomethane	7.65	93	69516	19.153	ug/l	99
47) Bromodichloromethane	7.89	83	130127	19.703	ug/l	100
48) Methyl methacrylate	7.76	41	120027	20.782	ug/l	100
49) 1,4-Dioxane	7.73	88	51511	420.914	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	769919	104.774	ug/l	99
52) Toluene	8.78	92	257096	19.690	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	144810	18.833	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	164900	19.853	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	104430	19.912	ug/l	99
56) Ethyl methacrylate	9.17	69	163379	20.334	ug/l	98
57) 1,3-Dichloropropane	9.37	76	178293	20.332	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	287222	105.066	ug/l	98
59) 2-Hexanone	9.48	43	599302	103.073	ug/l	100
60) Dibromochloromethane	9.57	129	105776	20.066	ug/l	99
61) 1,2-Dibromoethane	9.67	107	110894	19.961	ug/l	97
64) Tetrachloroethene	9.33	164	130606	19.717	ug/l	96
65) Chlorobenzene	10.14	112	275571	19.212	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	99362	19.411	ug/l	98
67) Ethyl Benzene	10.25	91	483374	19.771	ug/l	98
68) m/p-Xylenes	10.35	106	364188	38.612	ug/l	97
69) o-Xylene	10.70	106	179921	19.993	ug/l	99
70) Styrene	10.71	104	301013	19.382	ug/l	100
71) Bromoform	10.85	173	79239	18.920	ug/l #	98
73) Isopropylbenzene	11.01	105	475223	20.305	ug/l	99
74) N-amyl acetate	10.89	43	214041	20.730	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	152655	20.339	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	149230m	21.641	ug/l	
77) Bromobenzene	11.25	156	123761	19.068	ug/l	99
78) n-propylbenzene	11.35	91	535640	19.984	ug/l	100
79) 2-Chlorotoluene	11.42	91	315506	19.751	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	394776	20.317	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49805	19.095	ug/l	95
82) 4-Chlorotoluene	11.51	91	362563	19.336	ug/l	99
83) tert-Butylbenzene	11.76	119	363099	19.777	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	400547	20.401	ug/l	99
85) sec-Butylbenzene	11.94	105	459058	20.114	ug/l	100
86) p-Isopropyltoluene	12.06	119	419774	19.820	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	220571	18.936	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	217660	19.533	ug/l	98
89) n-Butylbenzene	12.39	91	360558	18.620	ug/l	99
90) Hexachloroethane	12.59	117	70345	18.909	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	219089	19.198	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	33447	19.811	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	153712	19.122	ug/l	100
94) Hexachlorobutadiene	13.78	225	70926	18.945	ug/l	97
95) Naphthalene	13.83	128	461048	18.546	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	154523	19.493	ug/l	99

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

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Acq On : 09 Jan 2020 17:00
Operator : JC/SP
Sample : VX0109WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

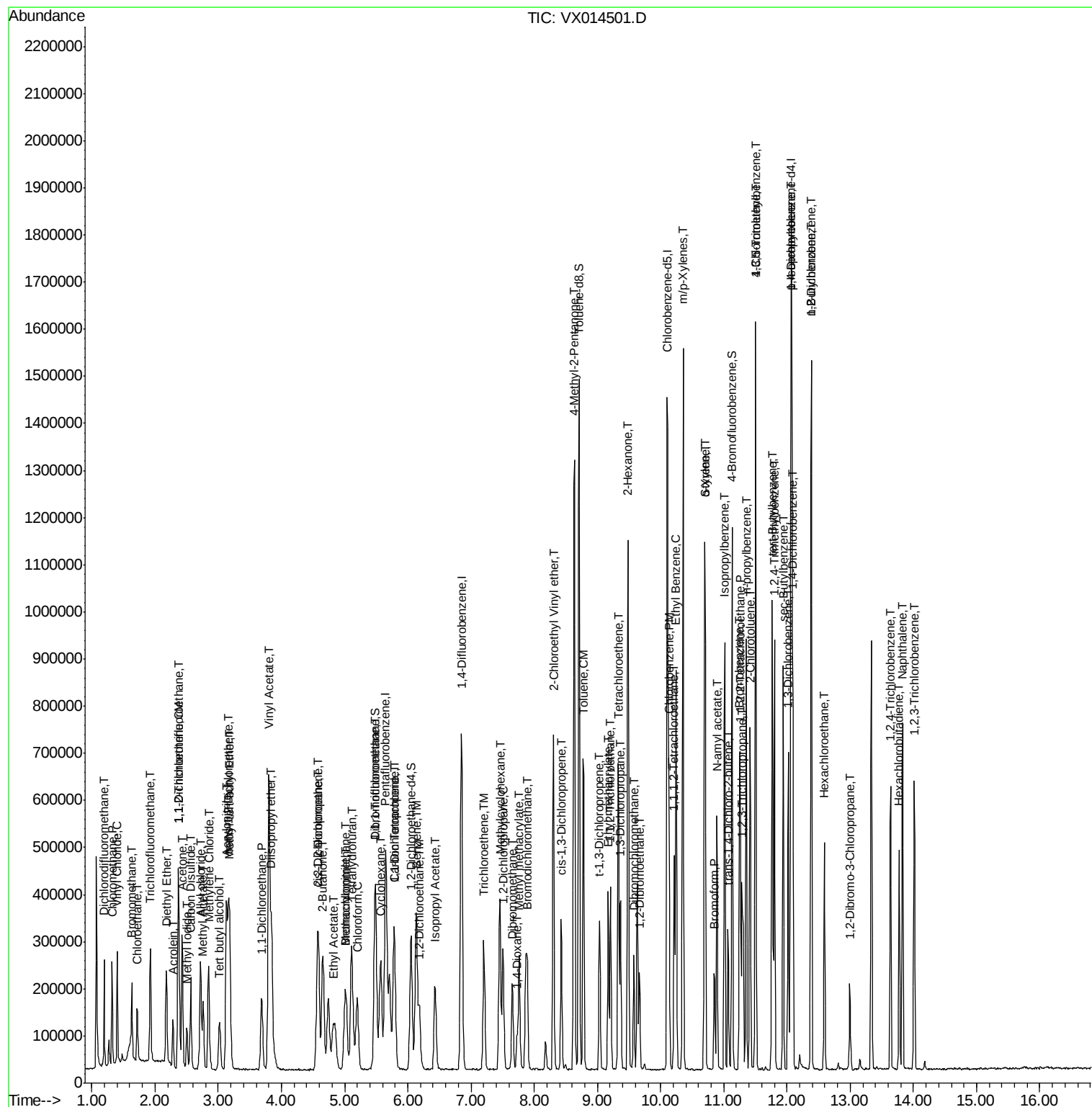
Instrument :
MSVOA_X
ClientSampleID :
VX0109WBSD02

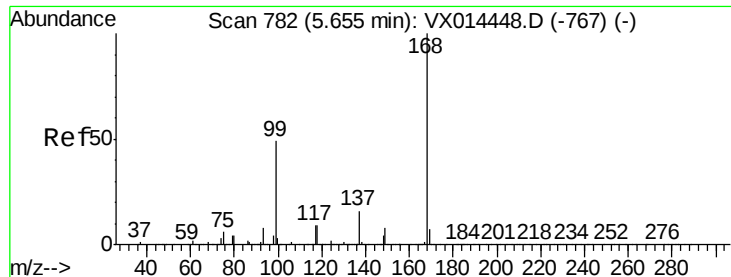
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion:168 Resp: 489844

Ion Ratio Lower Upper

168 100

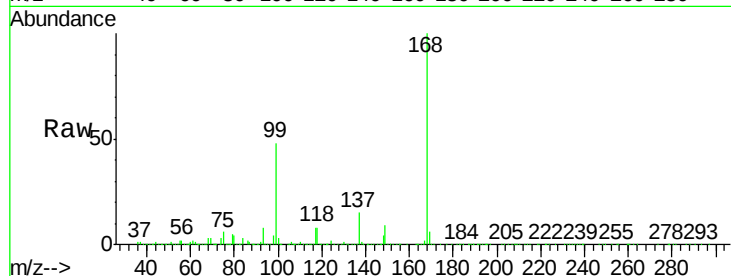
99 48.1 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

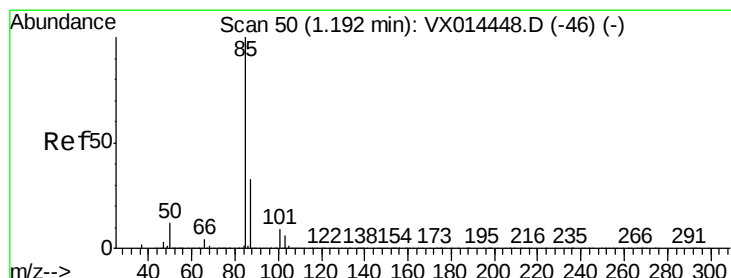
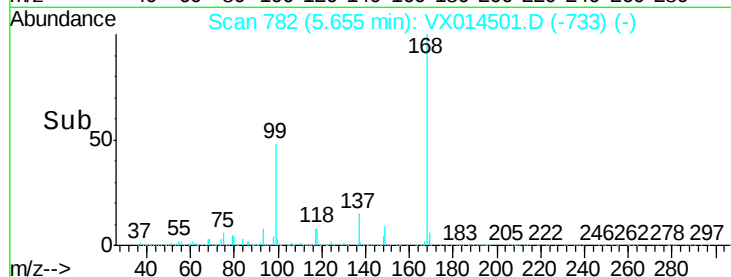
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.797 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014501.D

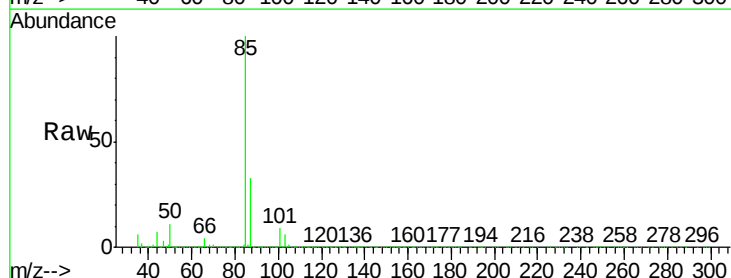
Acq: 09 Jan 2020 17:00

Tgt Ion: 85 Resp: 119464

Ion Ratio Lower Upper

85 100

87 33.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

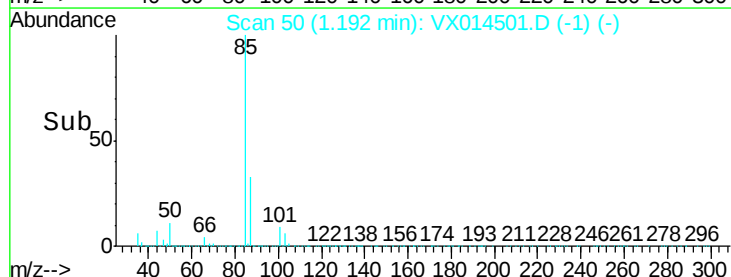
1.19

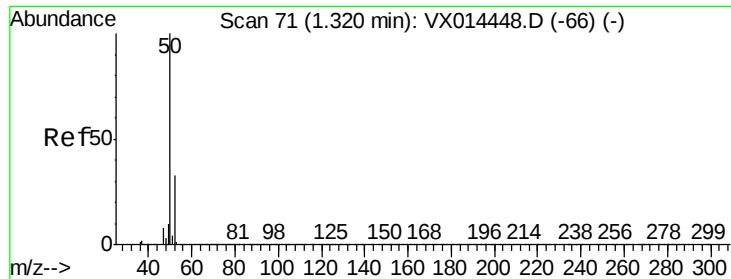
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.568 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion: 50 Resp: 122185

Ion Ratio Lower Upper

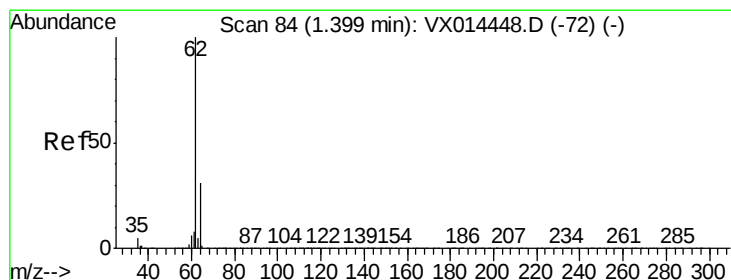
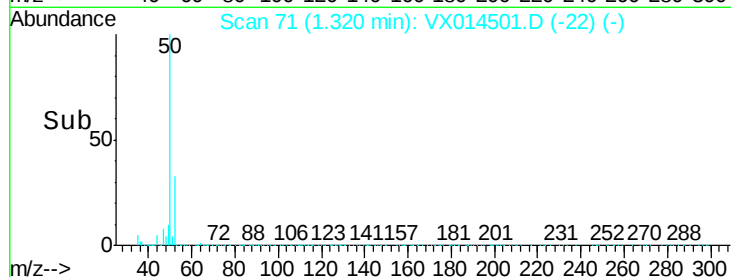
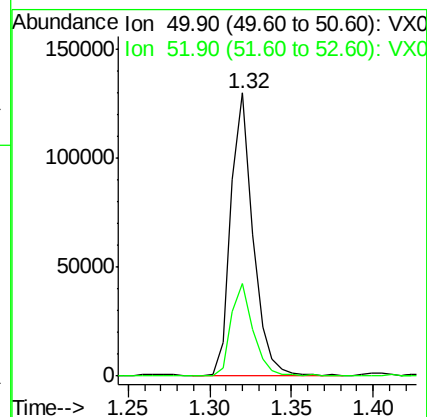
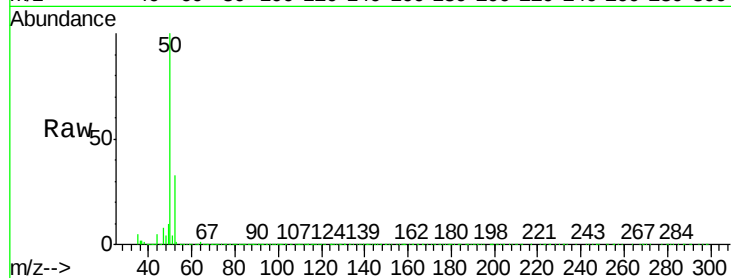
50 100

52 32.7 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.728 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX014501.D

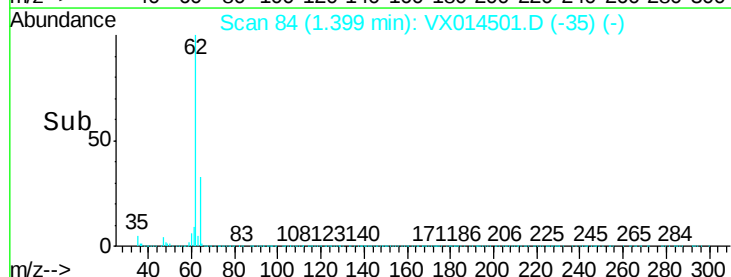
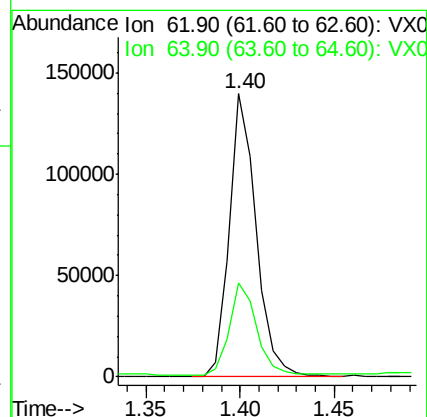
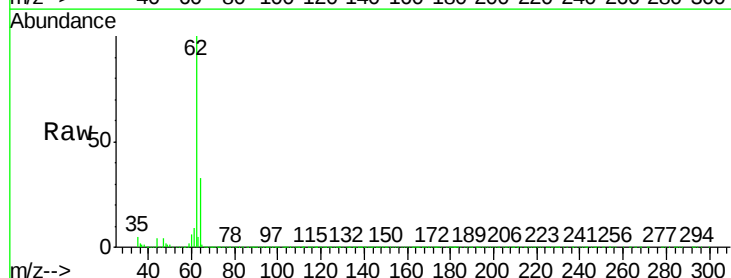
Acq: 09 Jan 2020 17:00

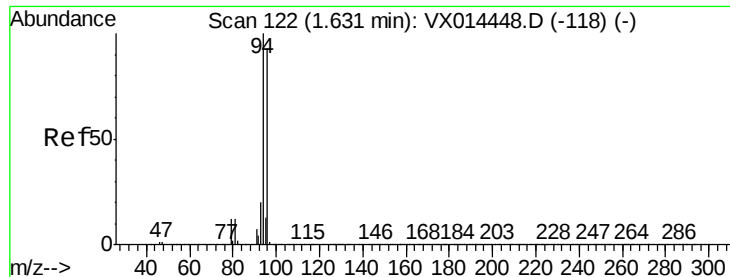
Tgt Ion: 62 Resp: 137263

Ion Ratio Lower Upper

62 100

64 32.5 24.6 37.0





#5

Bromomethane

Concen: 16.986 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion: 94 Resp: 78339

Ion Ratio Lower Upper

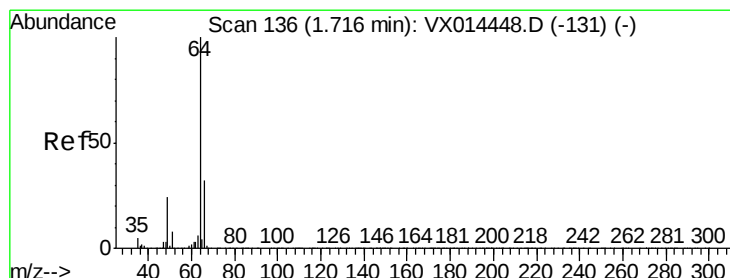
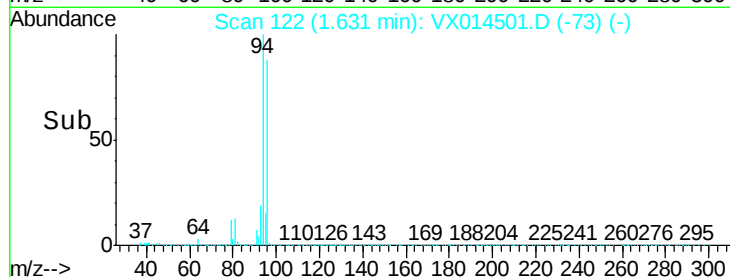
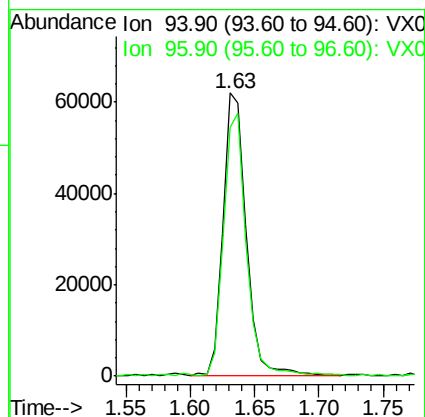
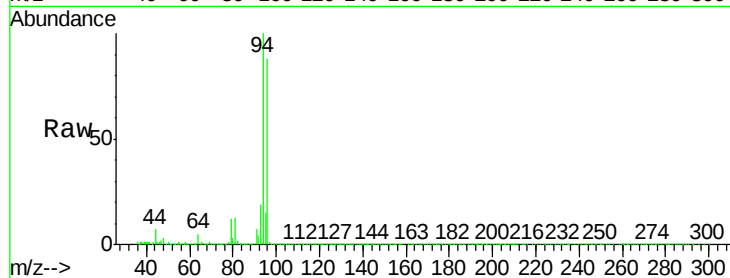
94 100

96 87.6 74.2 111.2

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#6

Chloroethane

Concen: 19.803 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014501.D

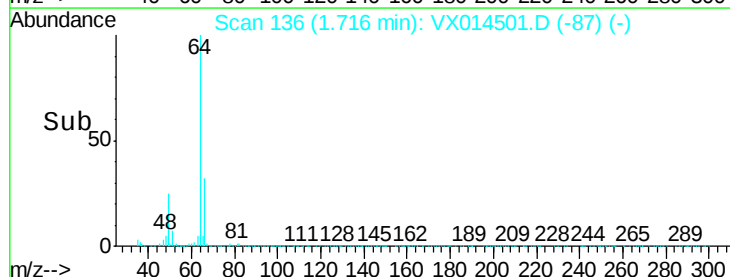
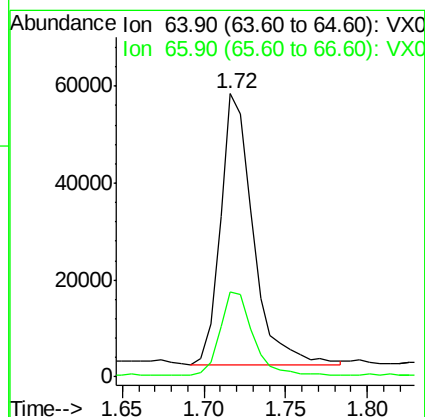
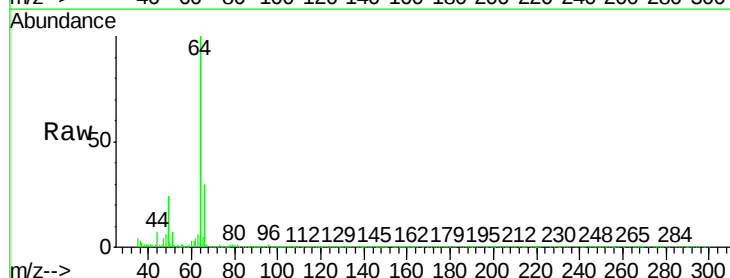
Acq: 09 Jan 2020 17:00

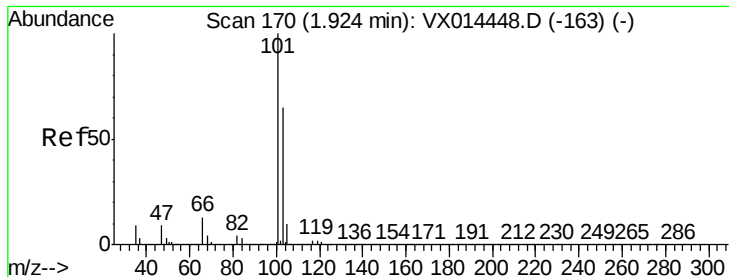
Tgt Ion: 64 Resp: 78032

Ion Ratio Lower Upper

64 100

66 30.6 25.3 37.9





#7

Trichlorofluoromethane
Concen: 19.175 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

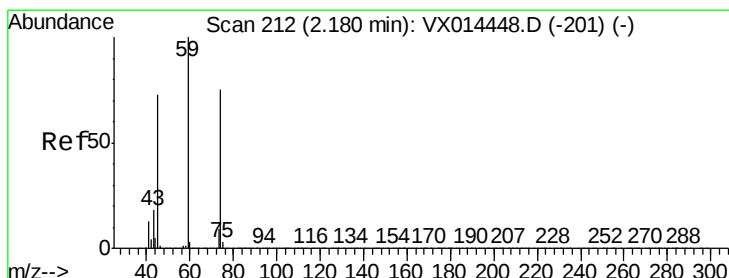
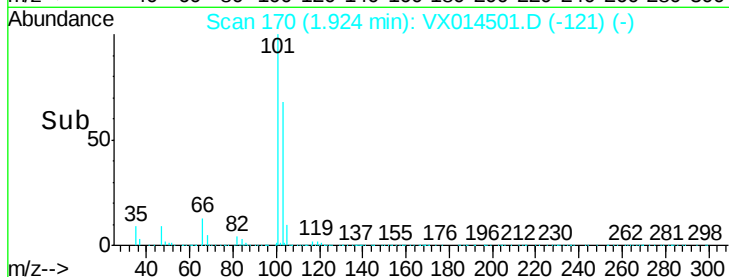
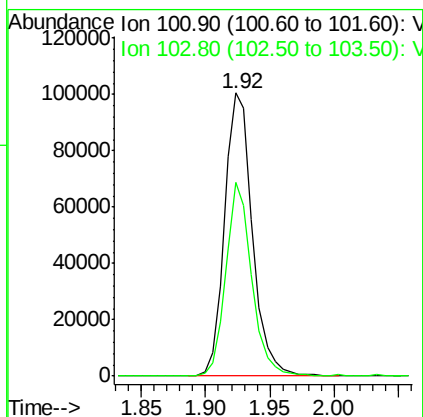
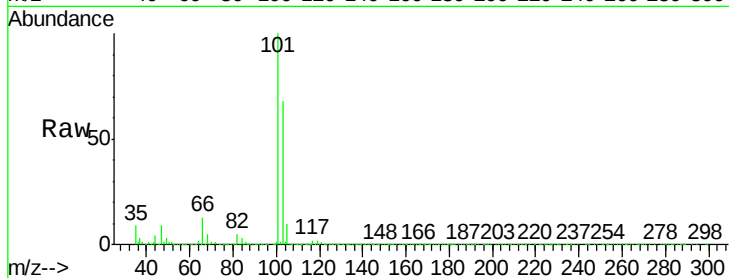
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	52.2	78.4

Manual Integrations
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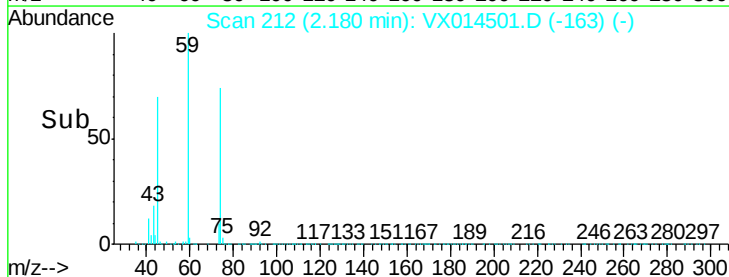
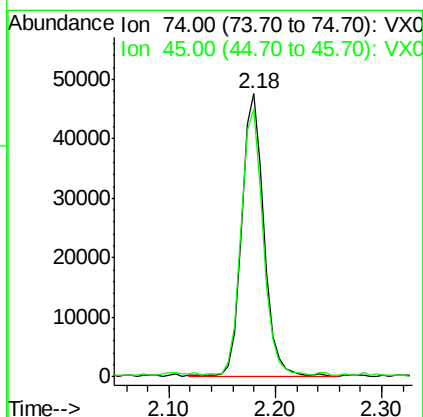
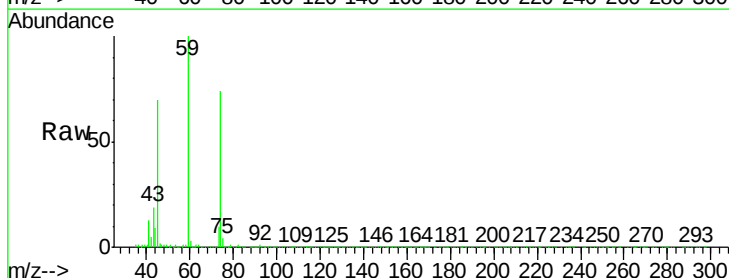
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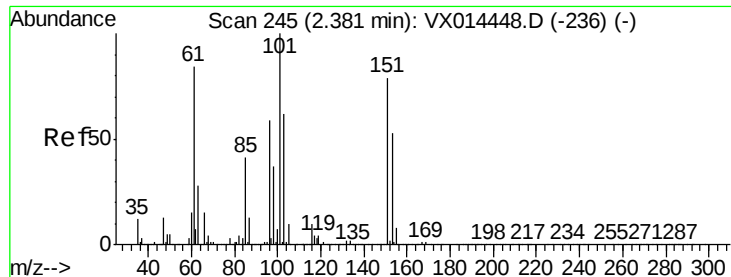


#8

Diethyl Ether
Concen: 19.126 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.102 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

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ClientSampleId :

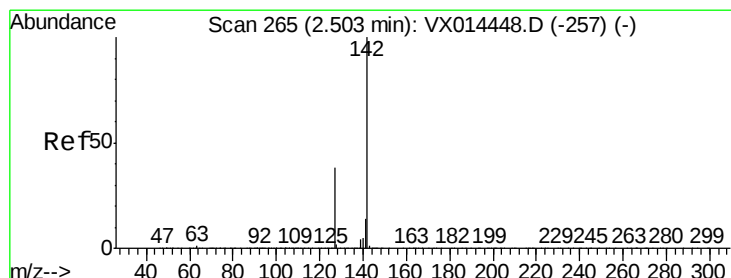
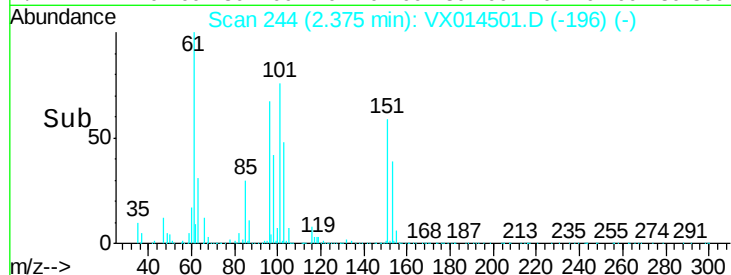
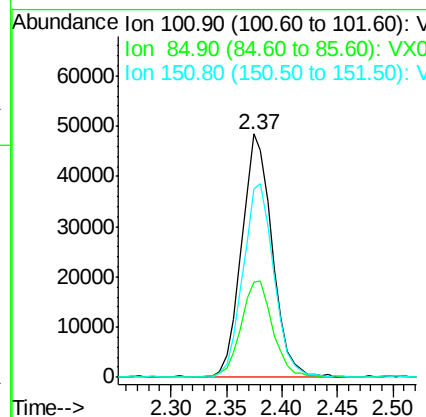
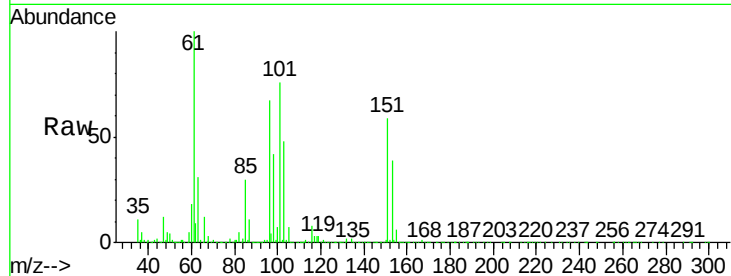
VX0109WBSD02

Tot Ion:	101	Resp:	91726
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.8
151	81.1	65.3	97.9

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#10

Methyl Iodide

Concen: 16.101 ug/l

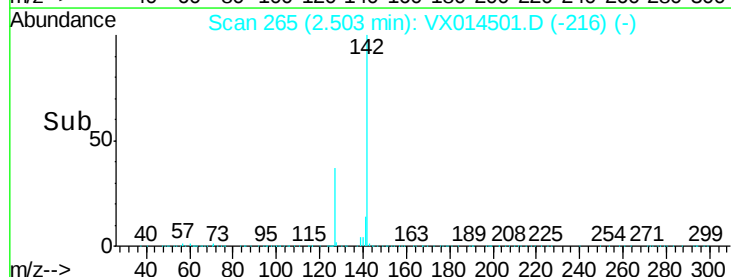
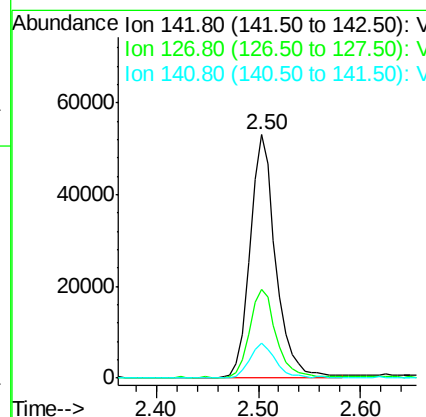
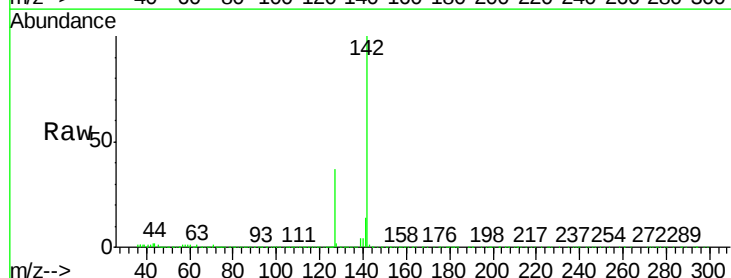
RT: 2.50 min Scan# 265

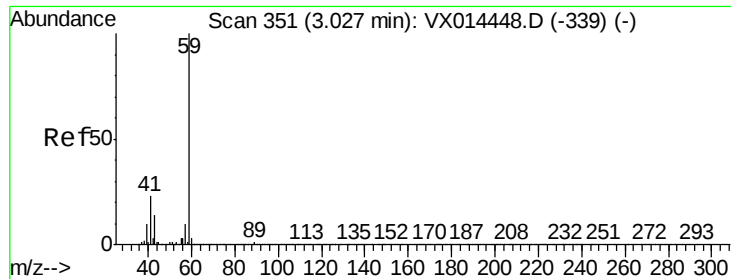
Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion:	142	Resp:	92580
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.2	46.8
141	15.0	11.4	17.2





#11
Tert butyl alcohol
Concen: 105.648 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

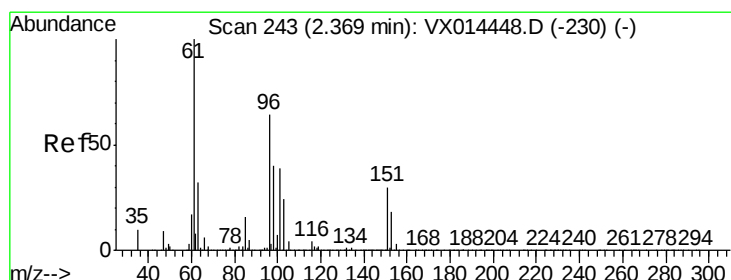
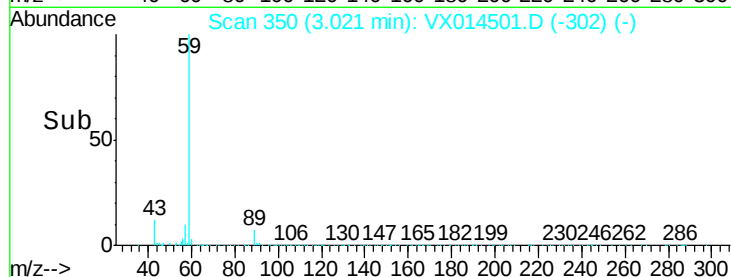
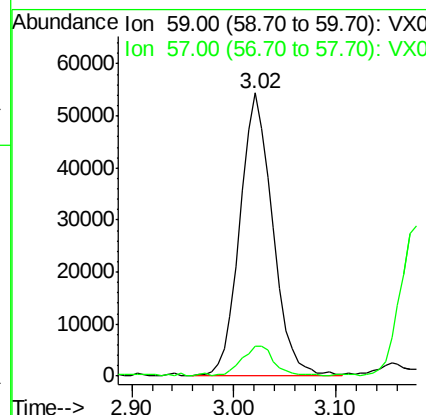
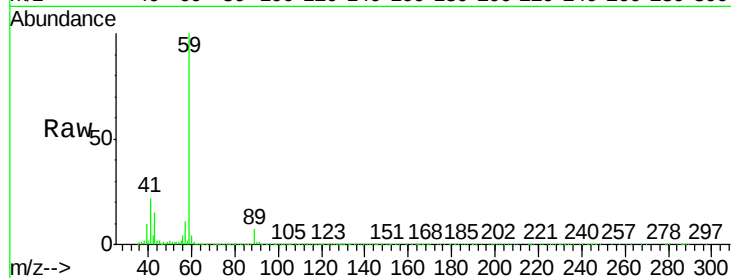
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.0	8.5	12.7

Manual Integrations
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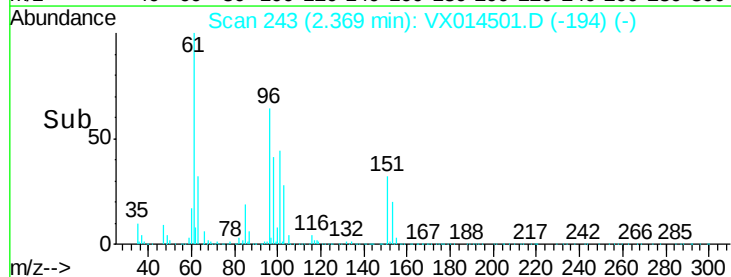
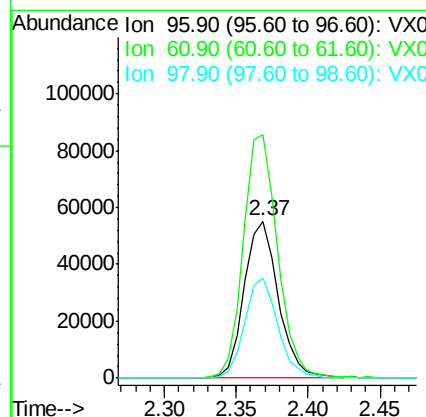
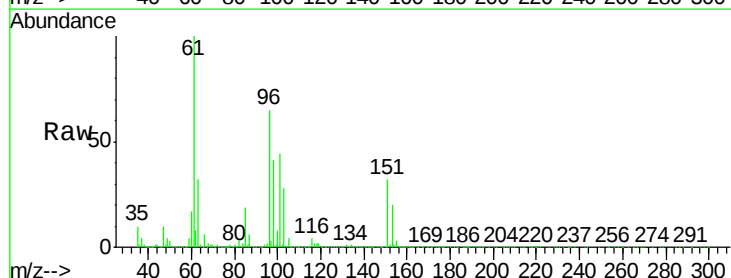
apatel

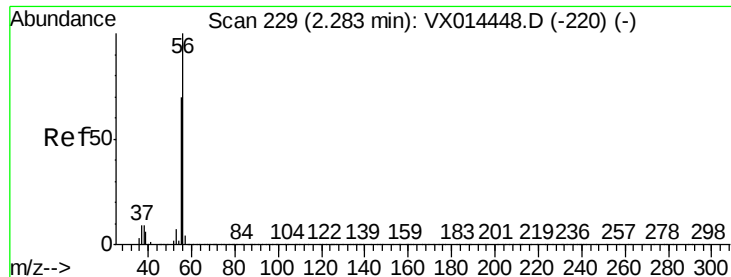
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#12
1,1-Dichloroethene
Concen: 18.605 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	155.3	125.0	187.6
98	98	64.0	50.2	75.2





#13
Acrolein
Concen: 81.687 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

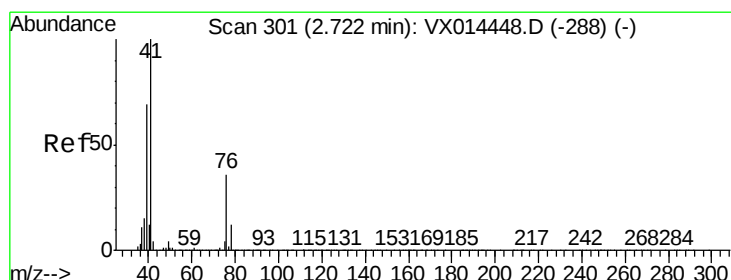
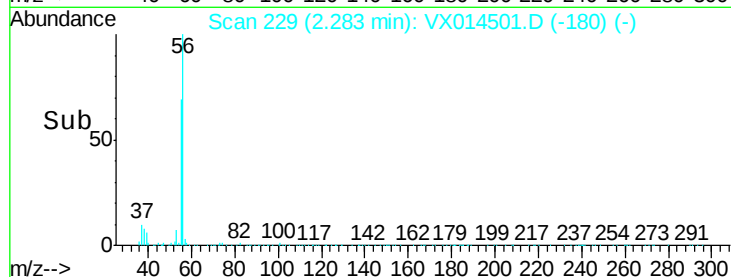
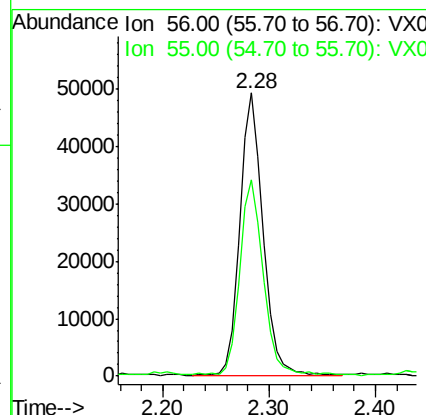
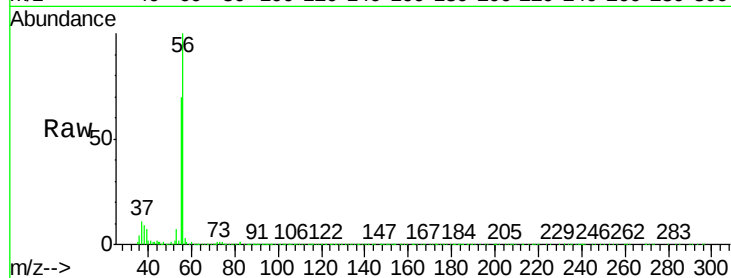
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	56	Resp	74757
Ion Ratio	100	Lower	Upper
55	70.1	55.0	82.6

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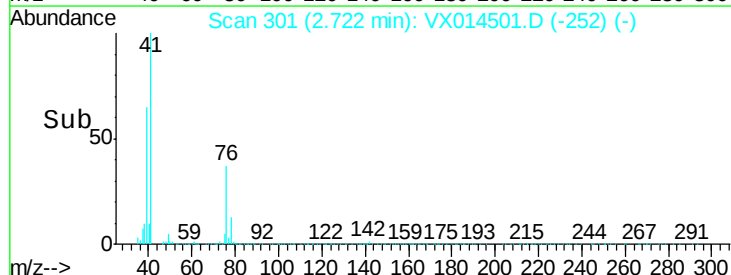
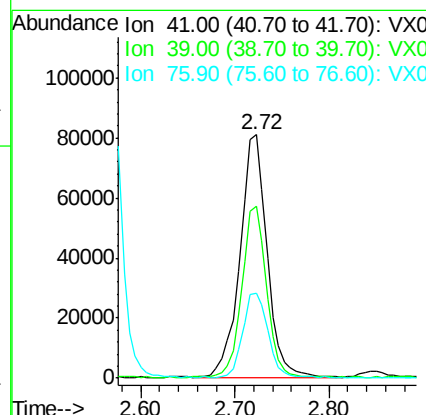
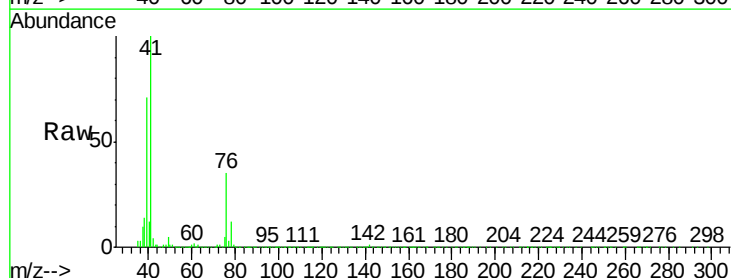
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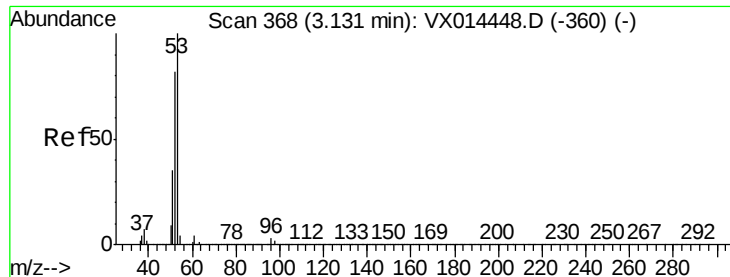
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#14
Allyl chloride
Concen: 19.148 ug/l
RT: 2.72 min Scan# 301
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	41	Resp	162644
Ion Ratio	100	Lower	Upper
39	63.9	51.7	77.5
76	32.3	26.8	40.2





#15

Acrylonitrile

Concen: 100.598 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

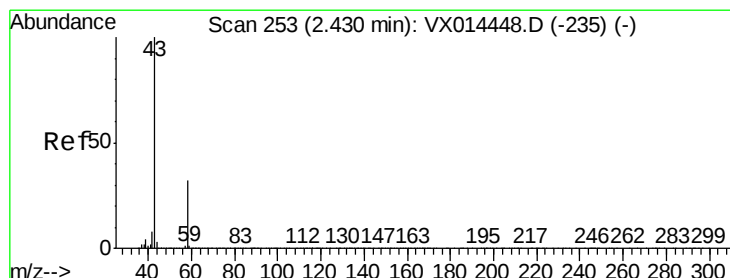
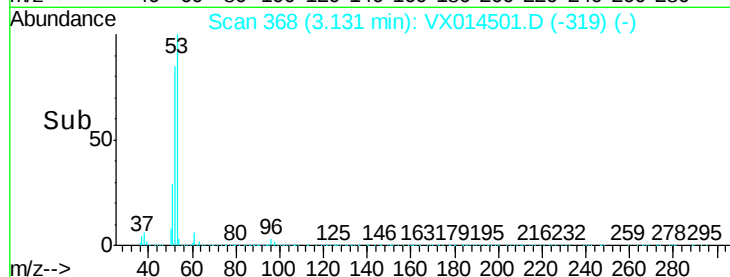
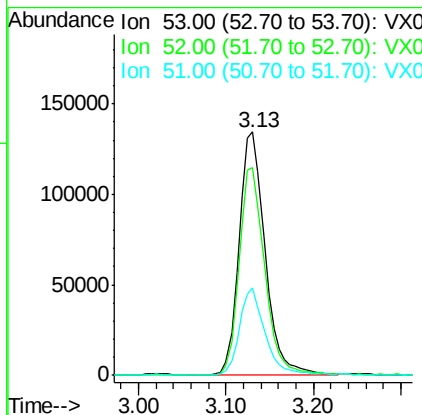
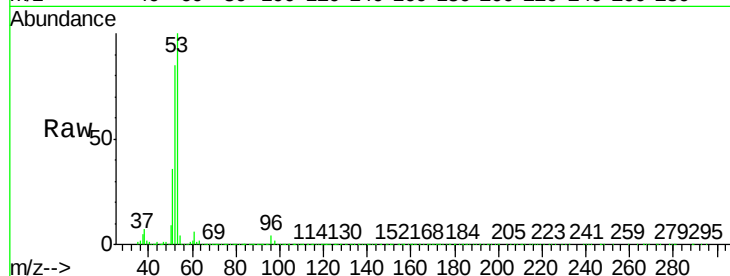
VX0109WBSD02

Tot Ion:	53	Resp:	277219
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.0	100.4
51	34.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 105.623 ug/l

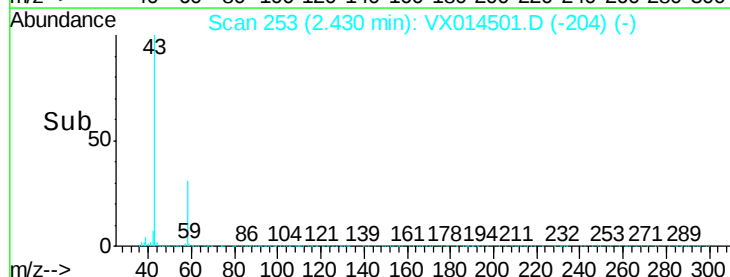
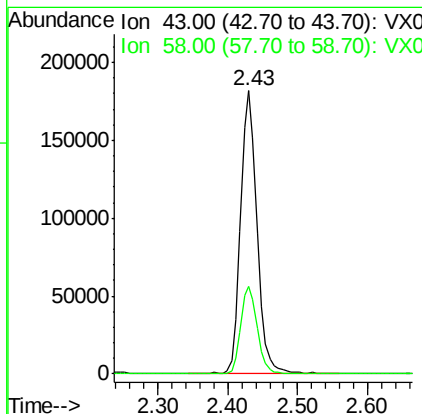
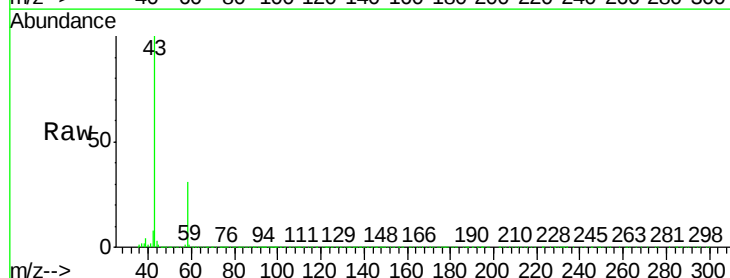
RT: 2.43 min Scan# 253

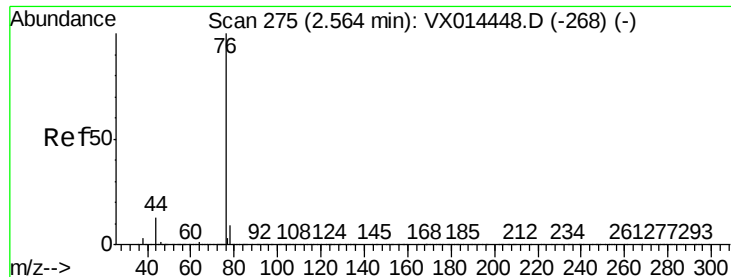
Delta R.T. 0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion:	43	Resp:	296217
Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.4	38.0





#17
Carbon Disulfide
Concen: 17.905 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

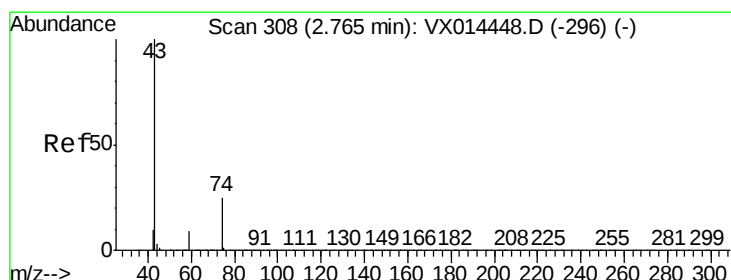
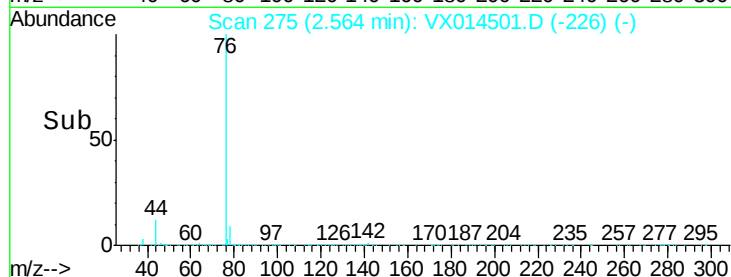
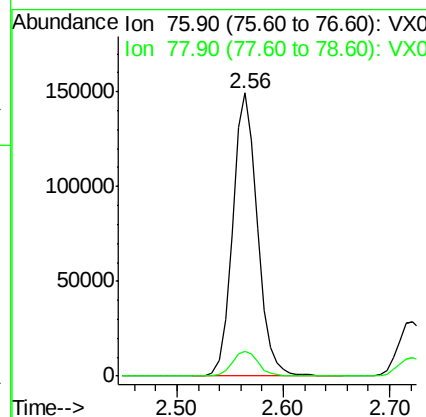
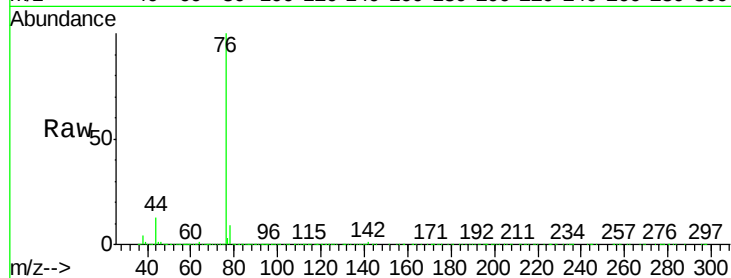
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

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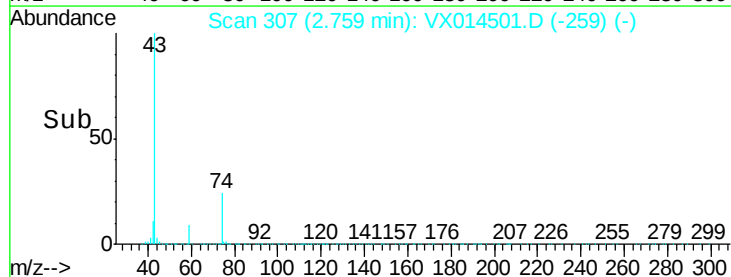
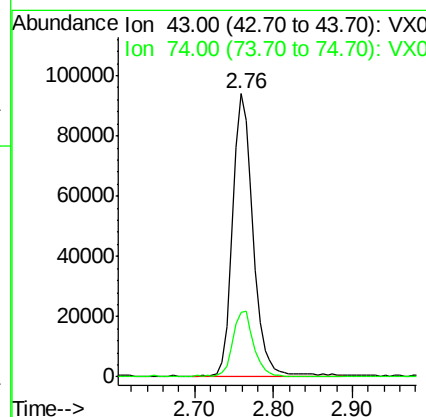
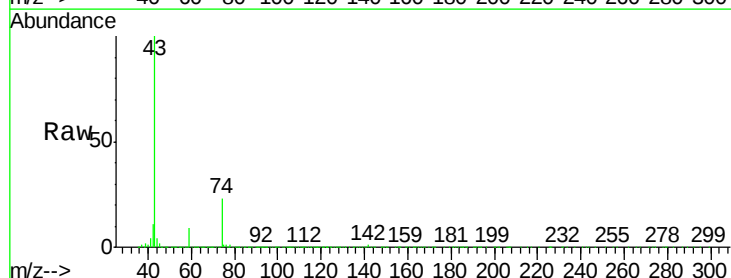
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#18
Methyl Acetate
Concen: 21.517 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.2





#19
Methvl tert-butvl Ether
Concen: 20.057 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

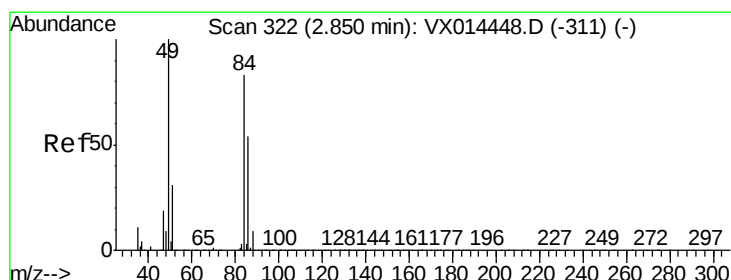
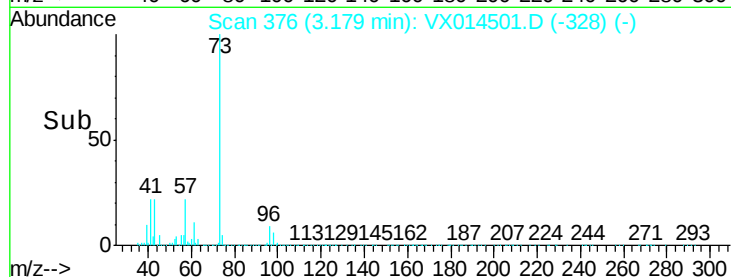
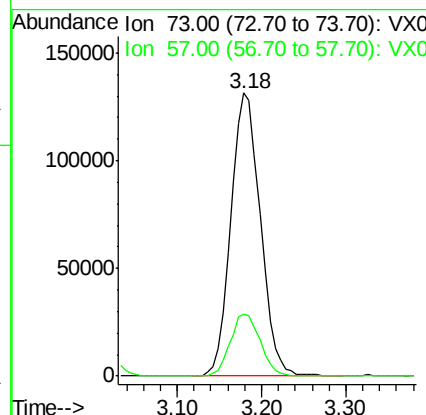
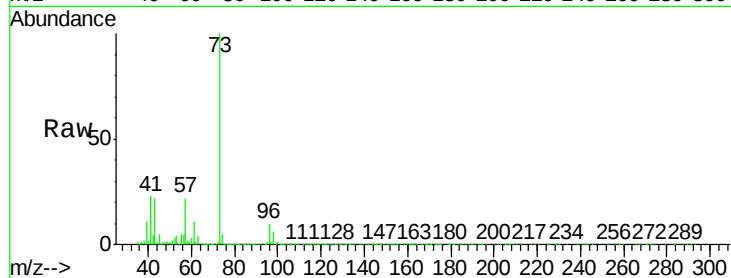
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion: 73 Resp: 311495
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

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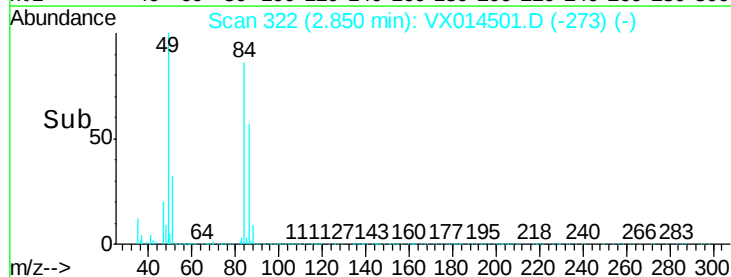
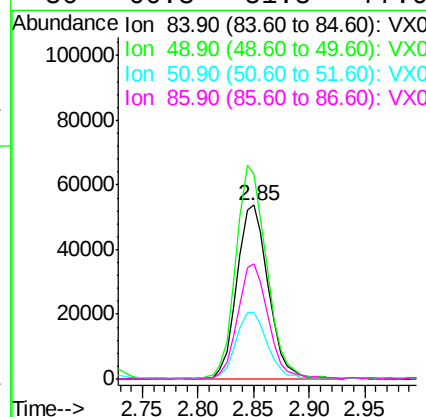
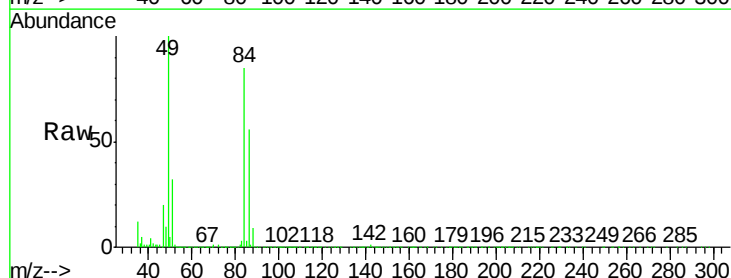
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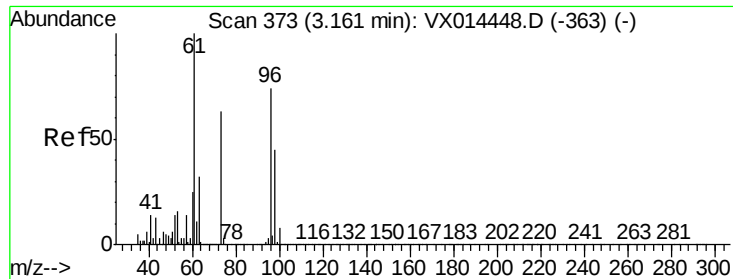
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#20
Methylene Chloride
Concen: 19.001 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion: 84 Resp: 104524
Ion Ratio Lower Upper
84 100
49 117.1 95.8 143.8
51 38.0 30.2 45.4
86 66.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.408 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion: 96 Resp: 97225

Ion Ratio Lower Upper

96 100

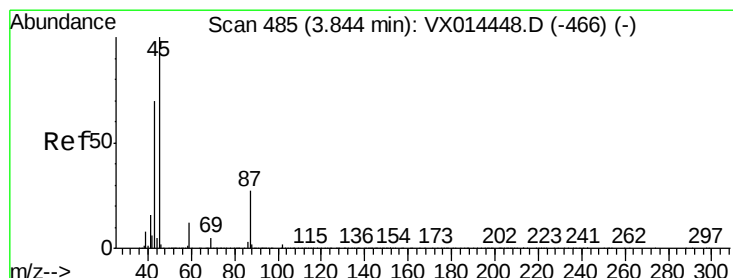
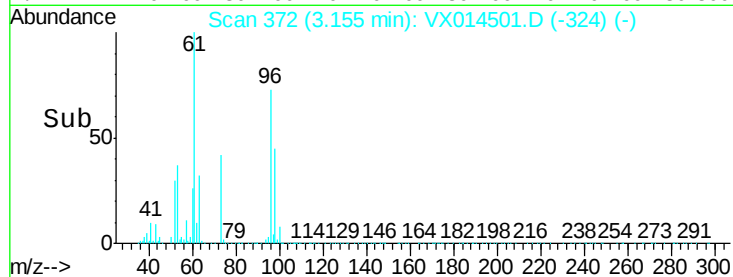
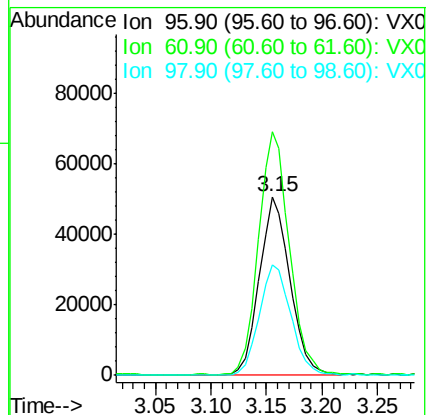
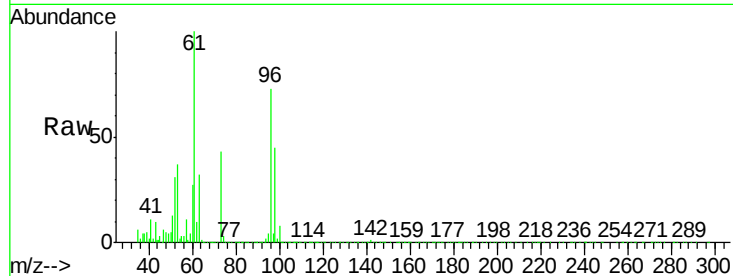
61 135.9 108.2 162.4

98 61.8 48.8 73.2

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#22

Diisopropyl ether

Concen: 20.520 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion: 45 Resp: 336832

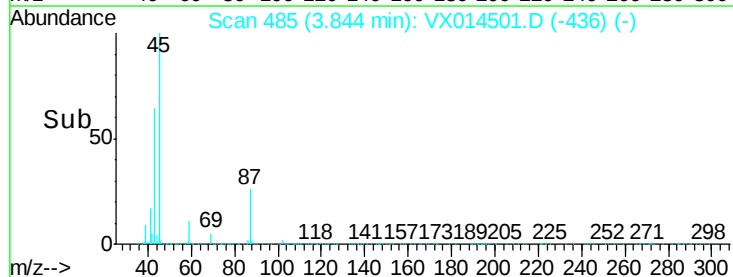
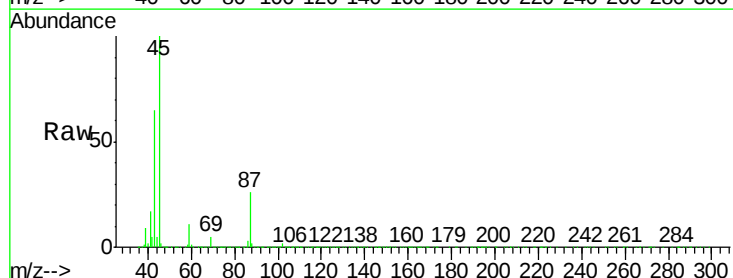
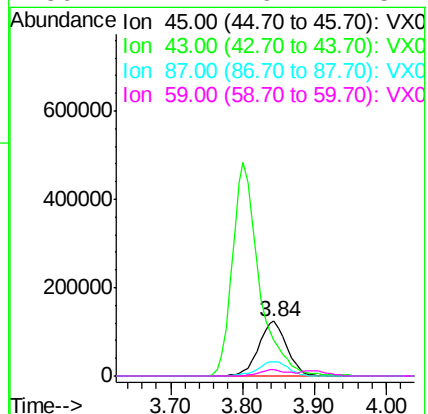
Ion Ratio Lower Upper

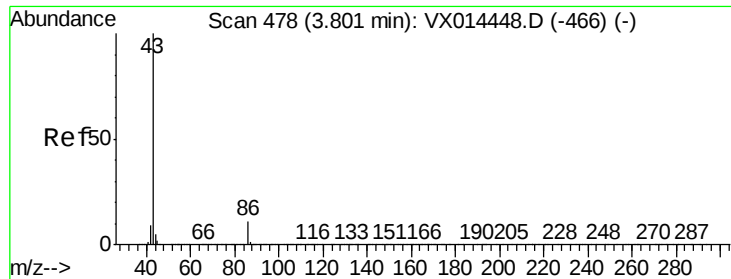
45 100

43 64.4 55.8 83.6

87 25.8 21.8 32.8

59 11.2 9.1 13.7





#23

Vinyl Acetate

Concen: 98.489 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion: 43 Resp: 1251646

Ion Ratio Lower Upper

43 100

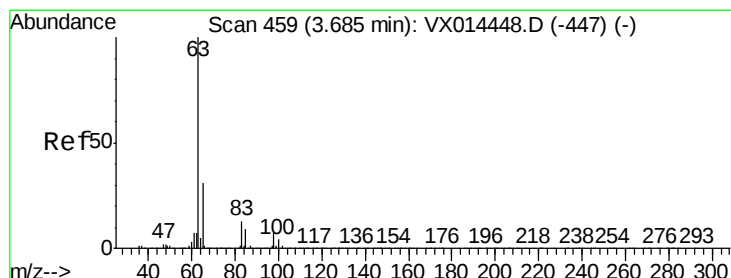
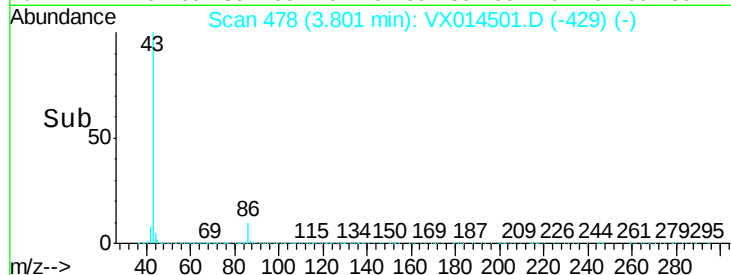
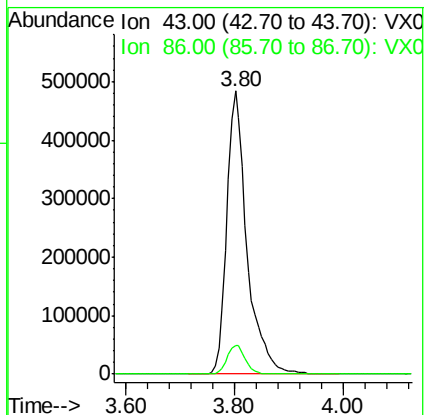
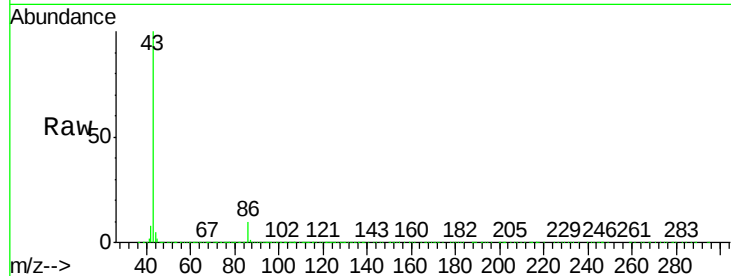
86 10.3 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.927 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

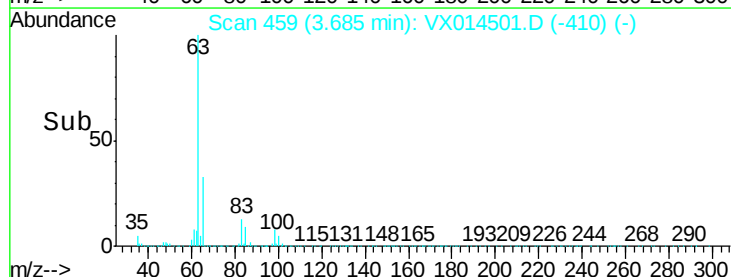
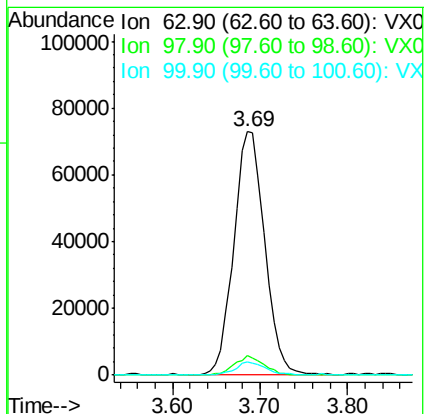
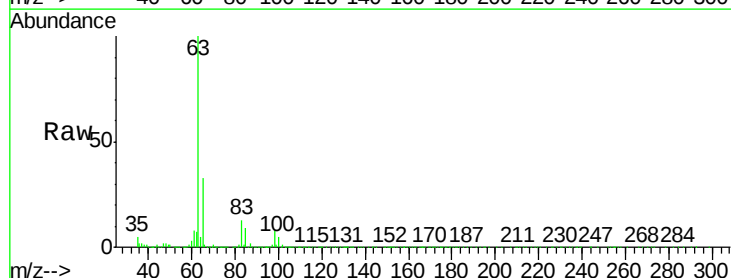
Tgt Ion: 63 Resp: 177934

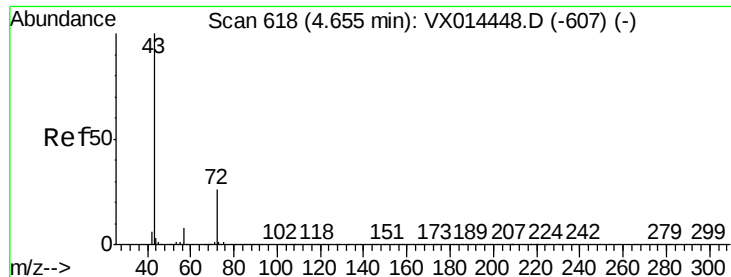
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 5.4 2.3 6.8





#25

2-Butanone

Concen: 100.963 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion: 43 Resp: 412405

Ion Ratio Lower Upper

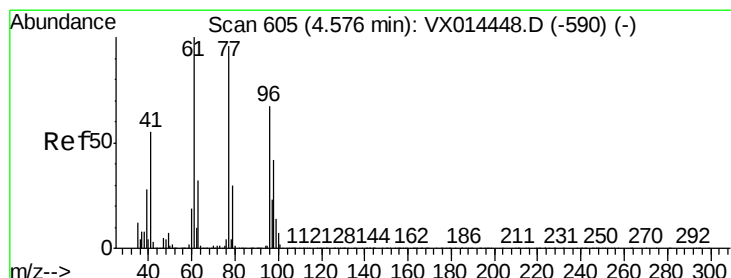
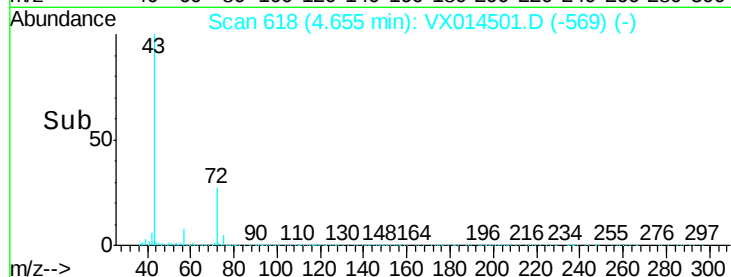
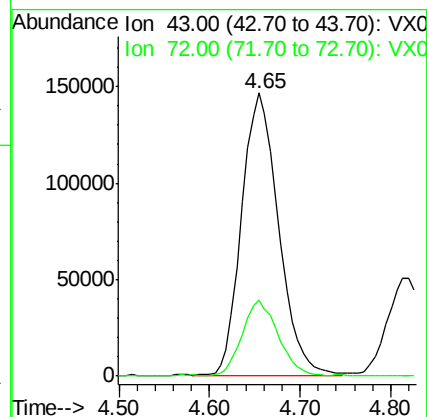
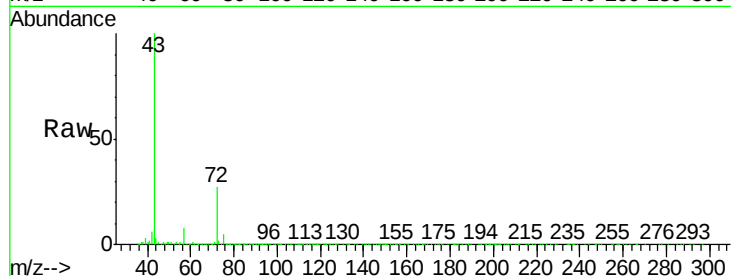
43 100

72 26.4 20.6 31.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.448 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX014501.D

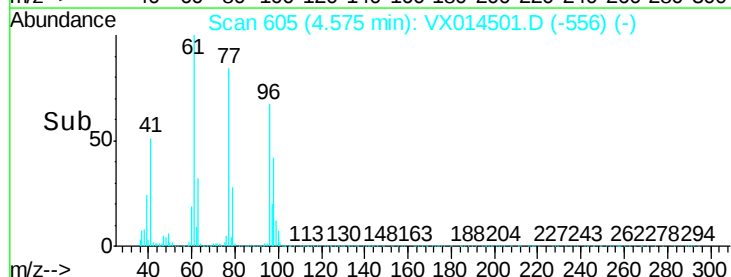
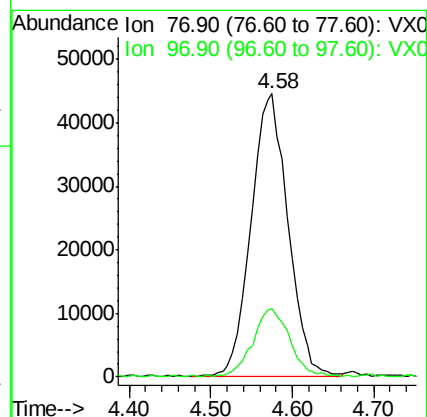
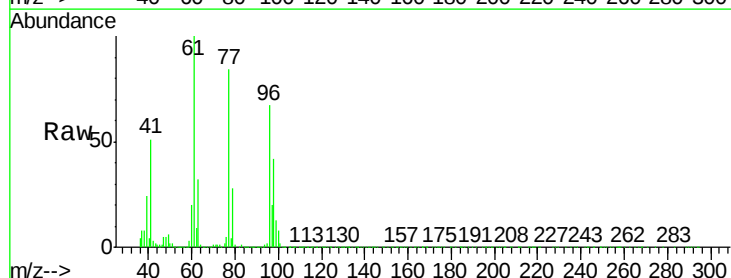
Acq: 09 Jan 2020 17:00

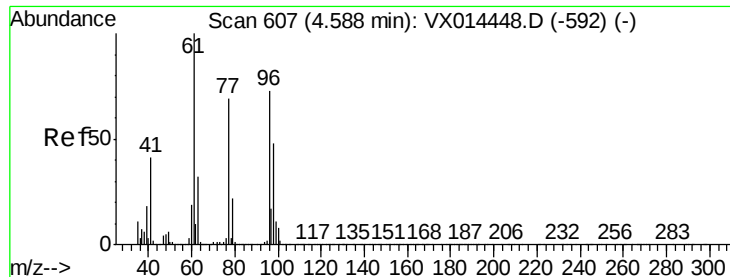
Tgt Ion: 77 Resp: 139548

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.1





#27

cis-1,2-Dichloroethene
Concen: 18.814 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

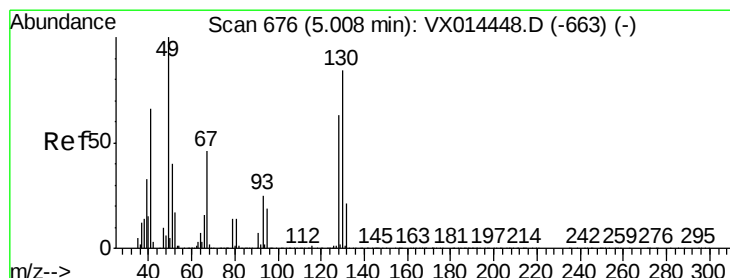
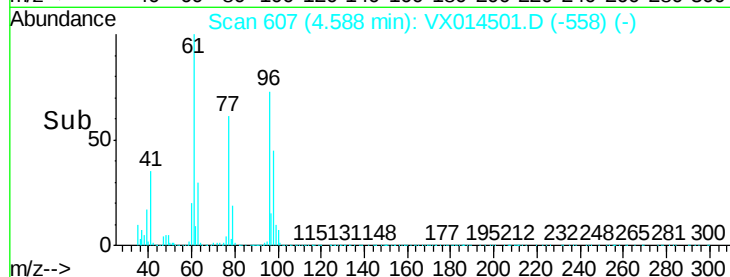
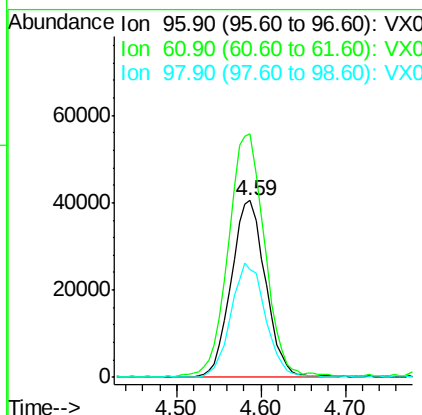
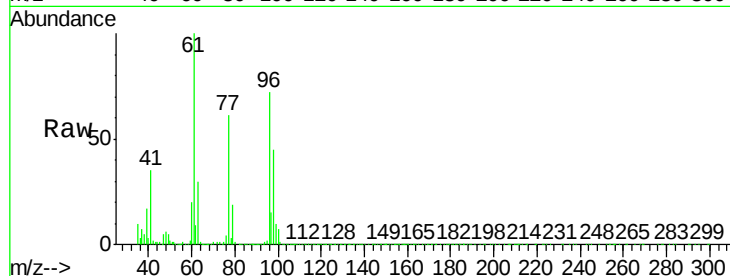
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	285.4
98	64.6	0.0	130.6

Manual Integrations
APPROVED

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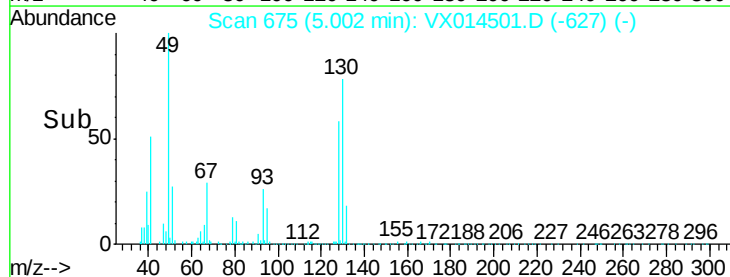
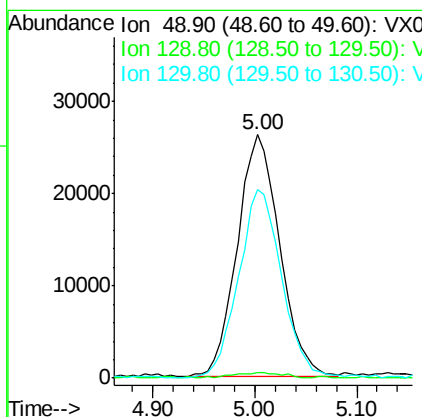
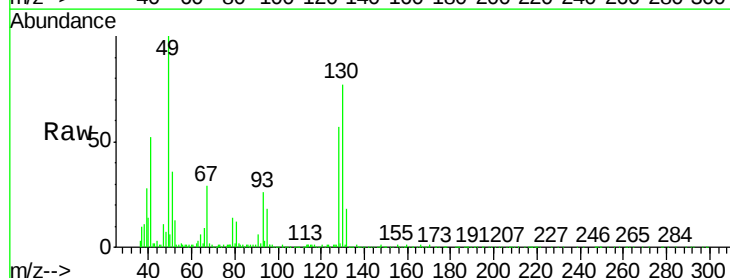
1/10/2020 8:35:07 AM



#28

Bromochloromethane
Concen: 20.214 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	78.4	67.0	100.4





#29
Tetrahydrofuran
Concen: 102.243 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

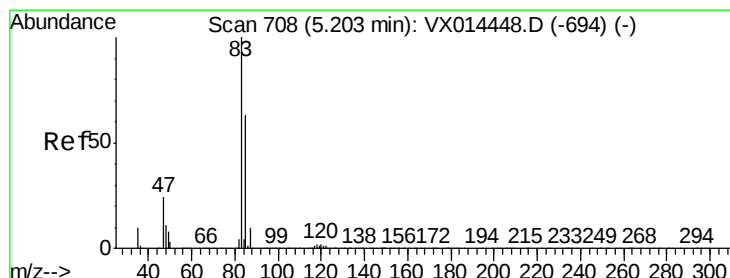
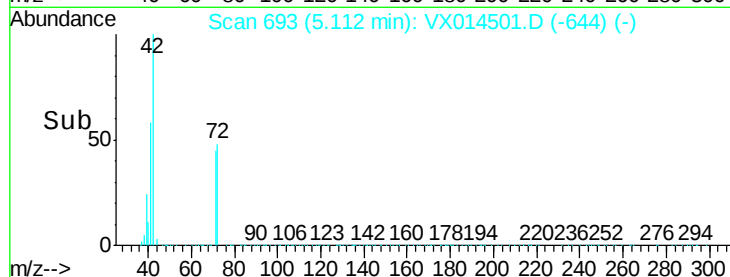
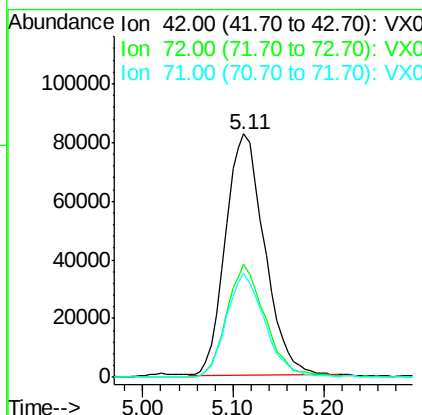
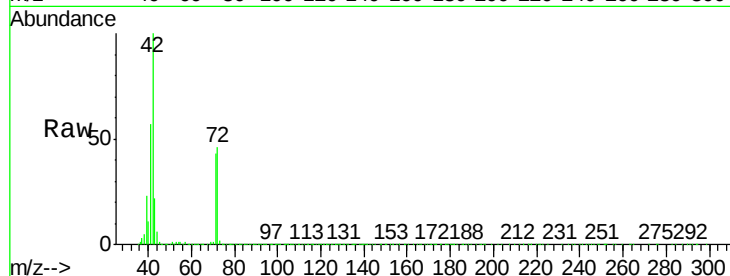
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.2	54.4
71	42.0	34.1	51.1

Manual Integrations
APPROVED

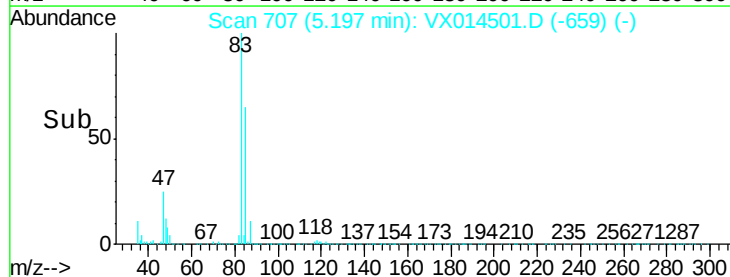
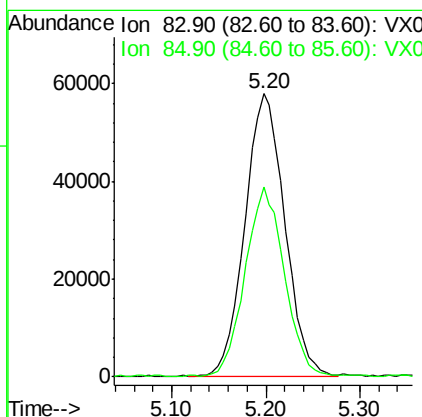
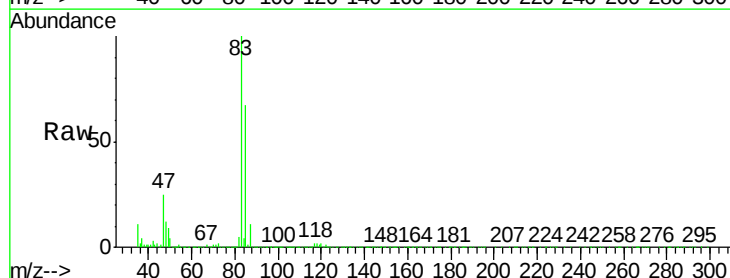
apatel

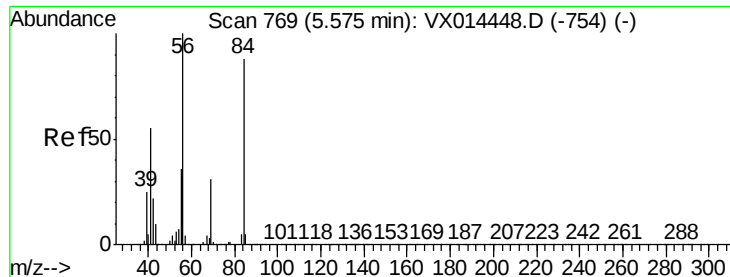
1/10/2020 8:35:07 AM



#30
Chloroform
Concen: 19.600 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.6	75.8





#31

Cyclohexane

Concen: 20.054 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

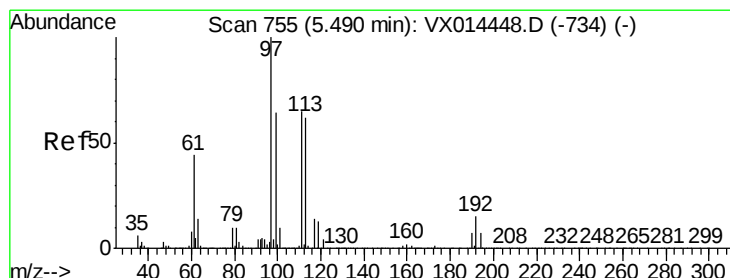
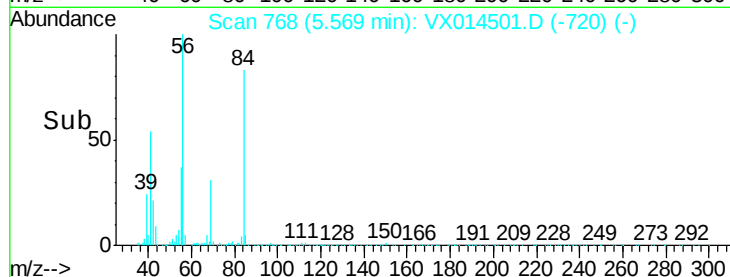
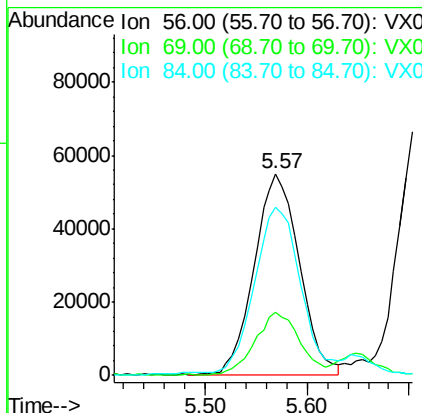
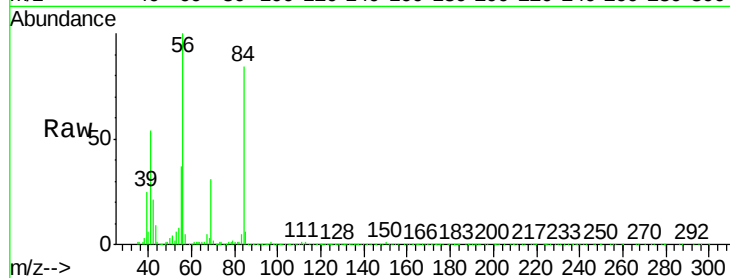
VX0109WBSD02

Tot Ion:	56	Resp:	167614
Ion Ratio		Lower	Upper
56	100		
69	30.7	24.4	36.6
84	82.4	70.6	106.0

Manual Integrations
APPROVED

apatel

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#32

1,1,1-Trichloroethane

Concen: 19.540 ug/l

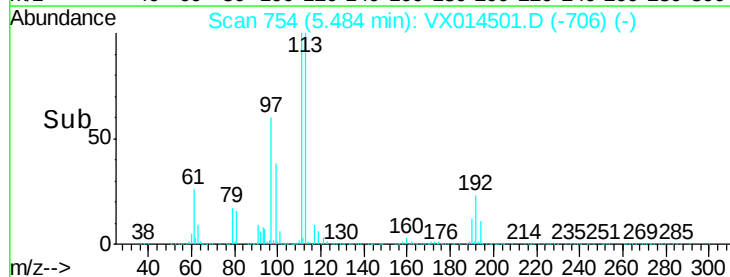
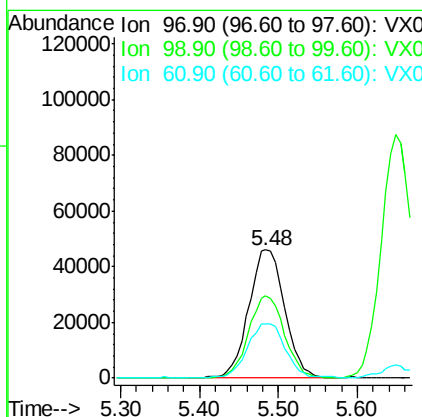
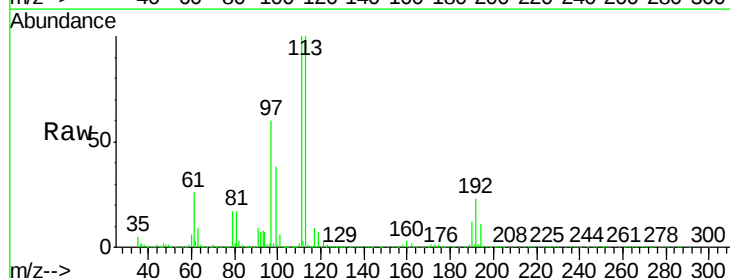
RT: 5.48 min Scan# 754

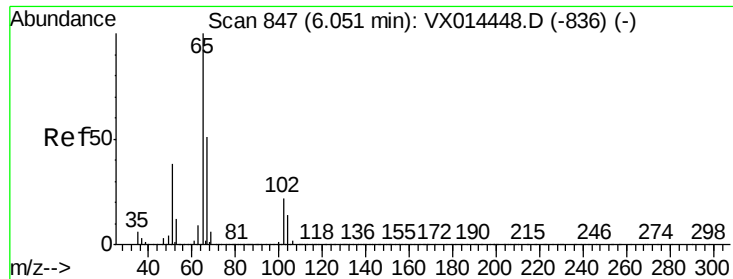
Delta R.T. -0.01 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion:	97	Resp:	145942
Ion Ratio		Lower	Upper
97	100		
99	63.2	51.8	77.6
61	44.4	35.9	53.9





#33
 1,2-Dichloroethane-d4
 Concen: 49.003 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

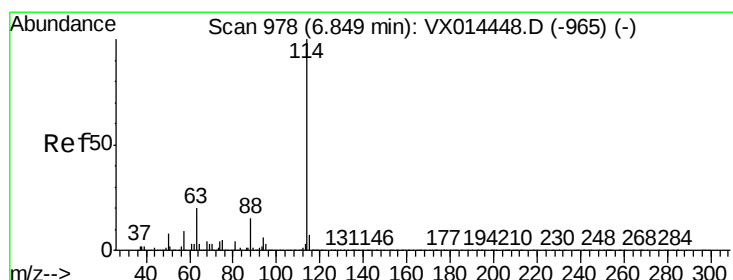
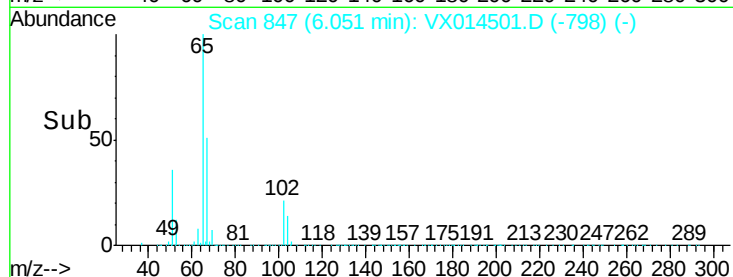
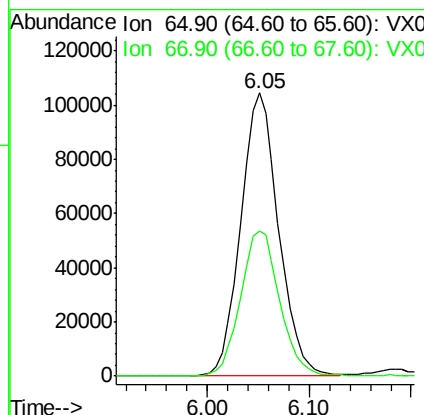
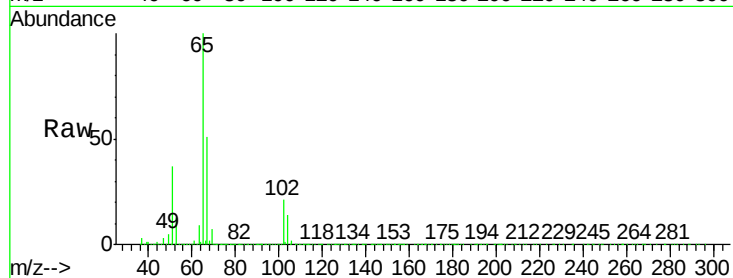
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2

Manual Integrations
 APPROVED

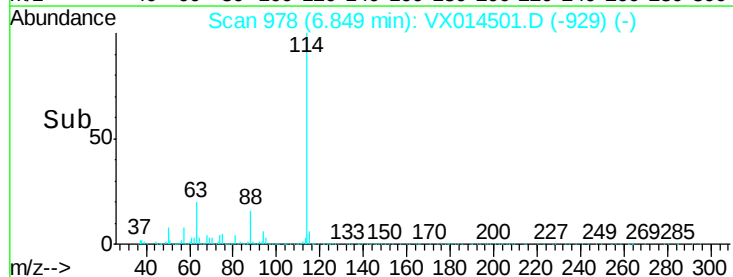
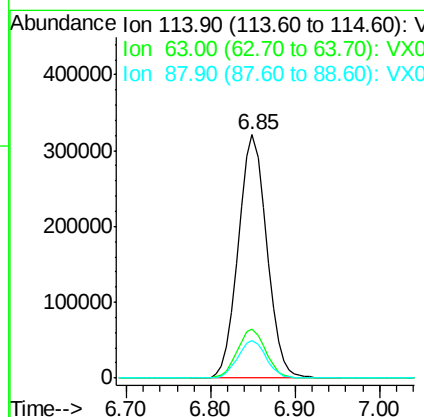
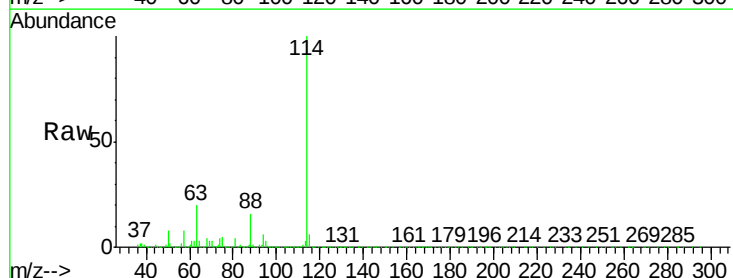
apatel

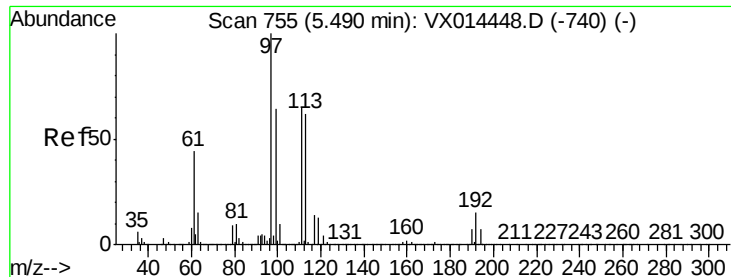
1/10/2020 8:35:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.6
88	15.6	0.0	30.8





#35
Dibromofluoromethane
Concen: 49.600 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

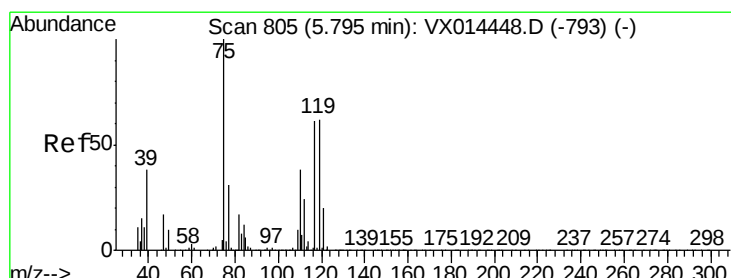
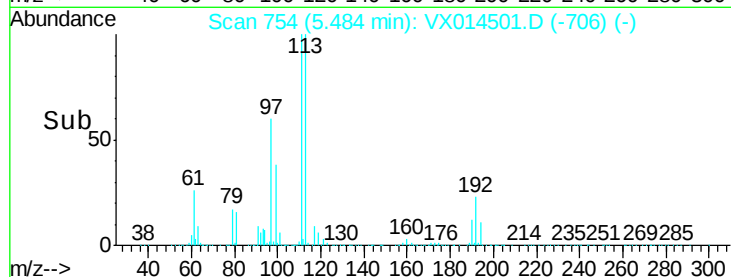
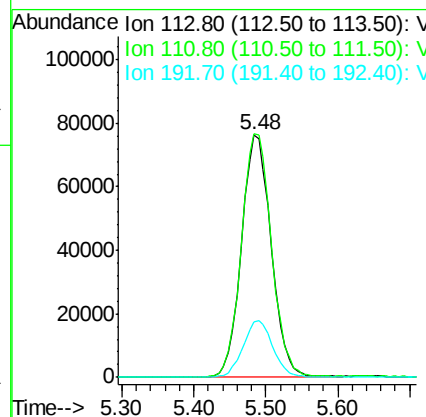
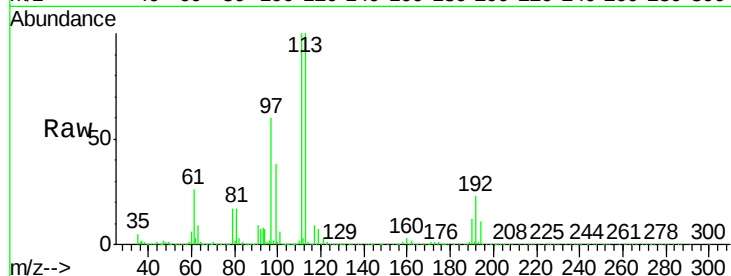
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	23.5	19.2	28.8

Manual Integrations
APPROVED

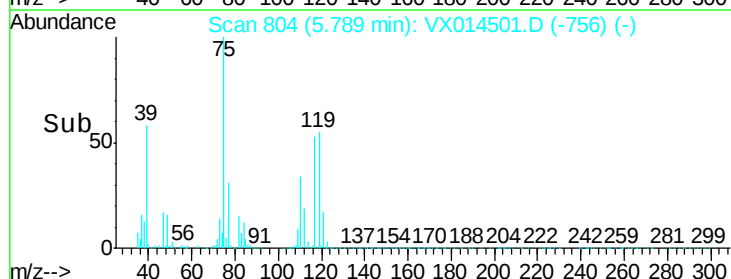
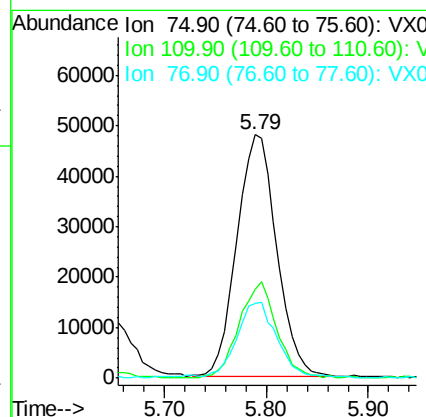
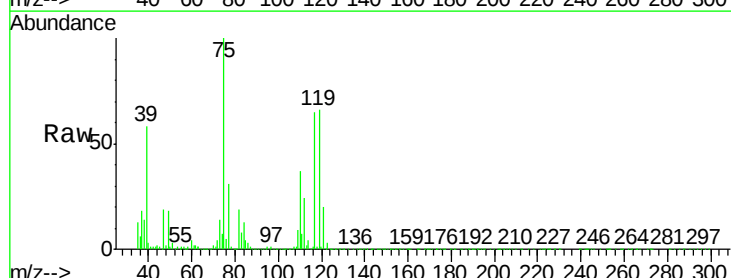
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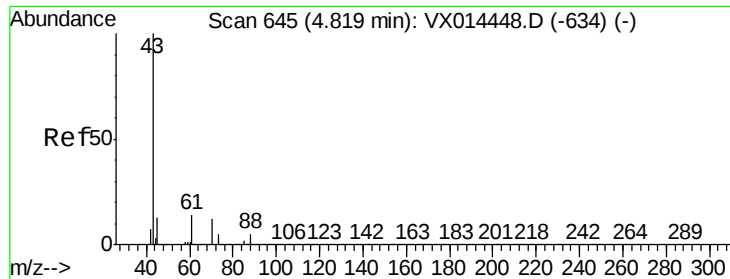
1/10/2020 8:35:07 AM



#36
1,1-Dichloropropene
Concen: 18.811 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.6	55.8
77	31.7	24.5	36.7





#37
Ethyl Acetate
Concen: 19.836 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

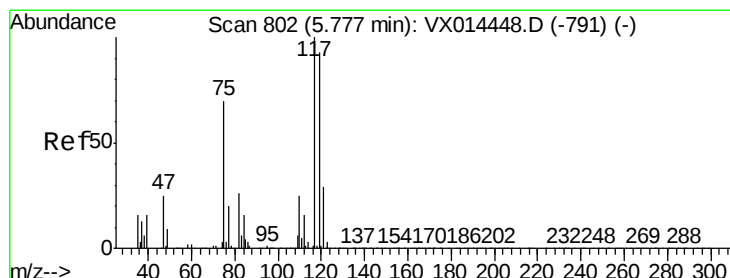
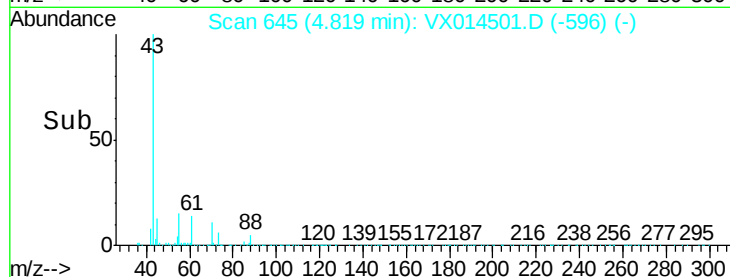
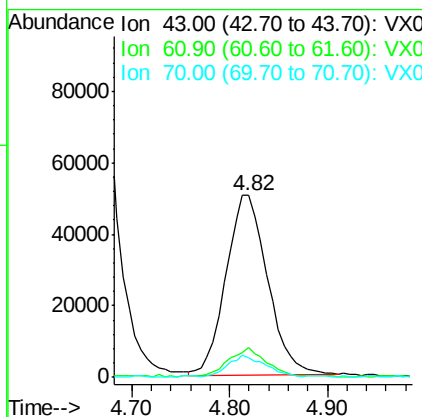
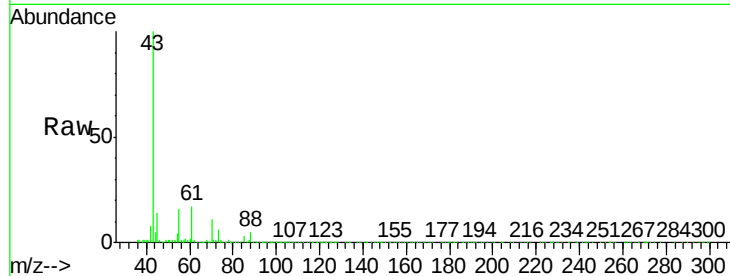
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	10.7	8.9	13.3

Manual Integrations
APPROVED

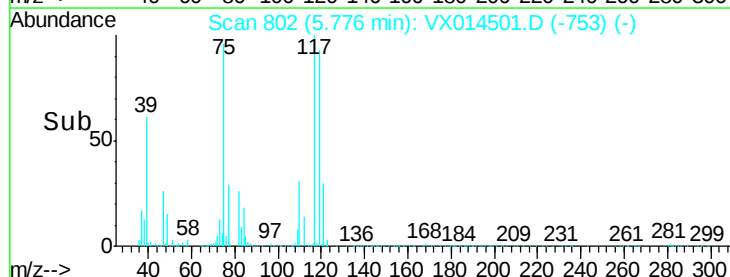
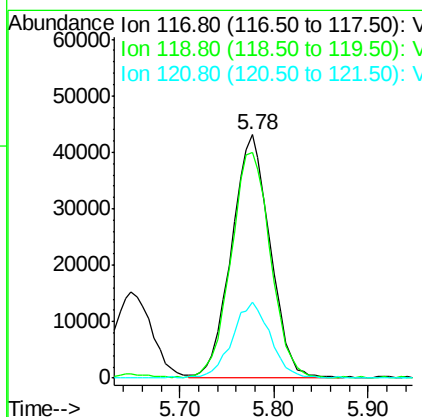
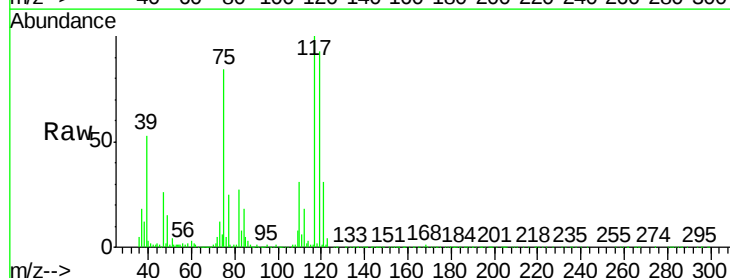
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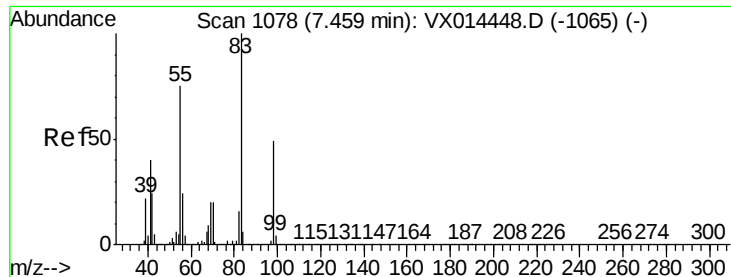
1/10/2020 8:35:07 AM



#38
Carbon Tetrachloride
Concen: 19.319 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	73.8	110.8
121	30.5	23.4	35.0





#39
Methvlcvclohexane
Concen: 19.814 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

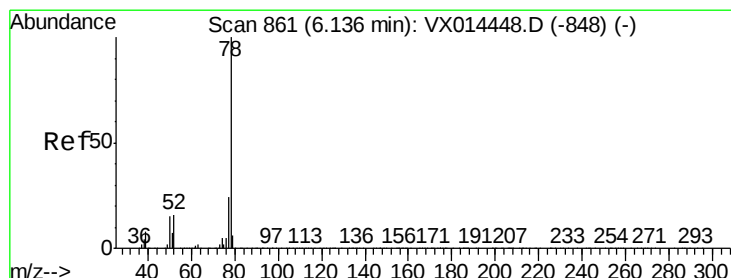
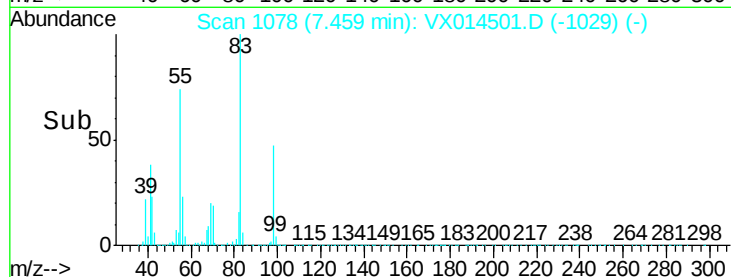
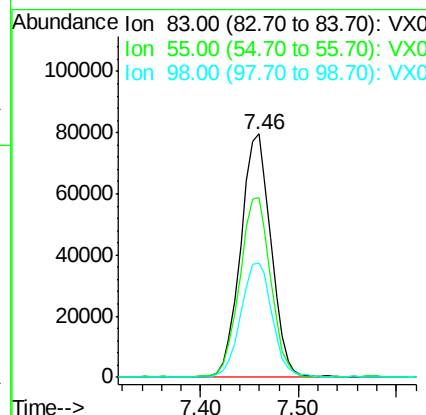
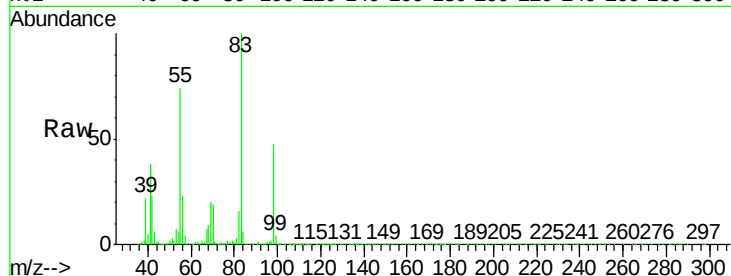
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.7	89.5
98	46.9	39.1	58.7

Manual Integrations
APPROVED

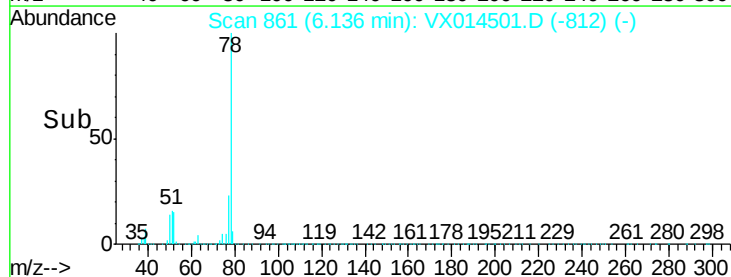
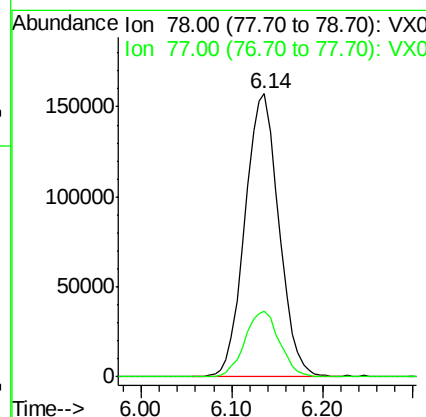
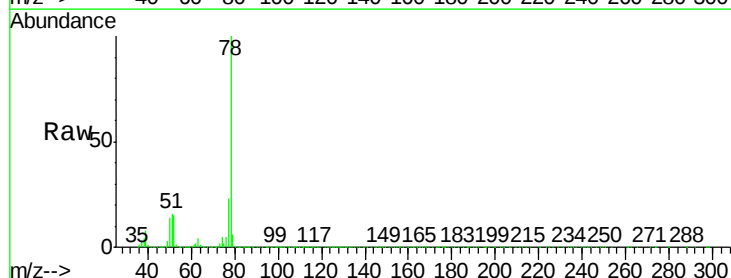
apatel

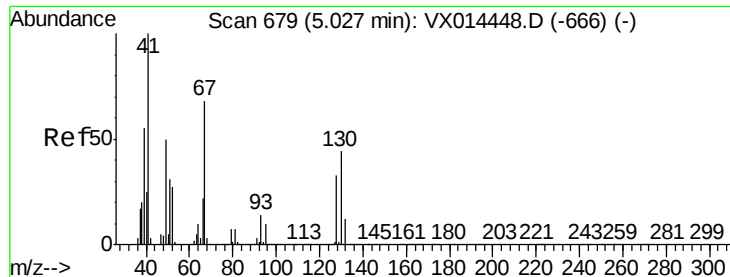
1/10/2020 8:35:07 AM



#40
Benzene
Concen: 19.986 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.5	29.3





#41
Methacrylonitrile
Concen: 20.785 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

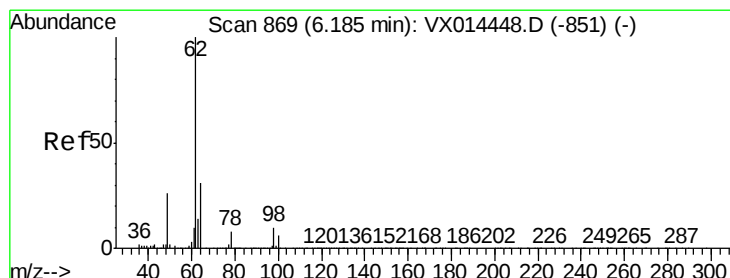
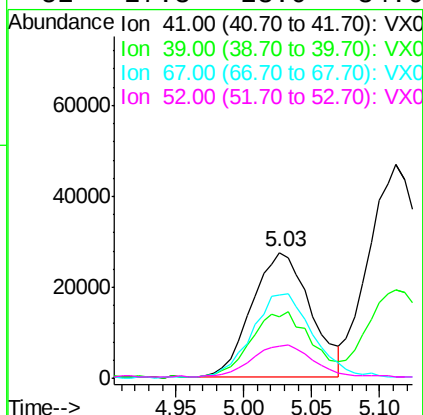
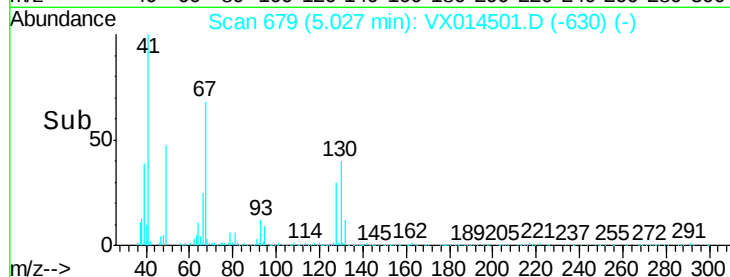
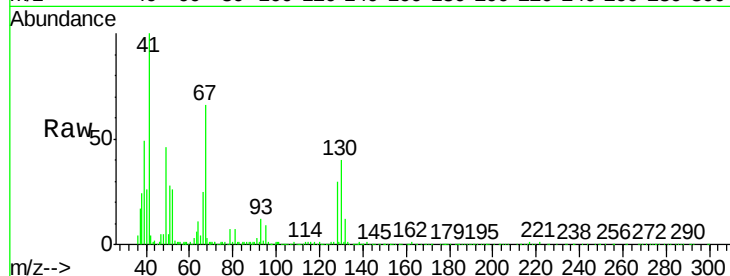
Instrument :
MSVOA_X
ClientSampled :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	43.6	65.4
67	69.3	57.9	86.9
52	27.3	23.0	34.6

Manual Integrations
APPROVED

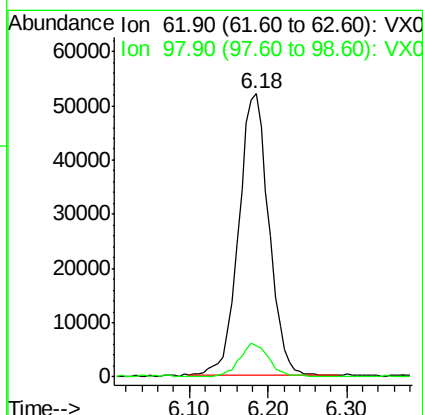
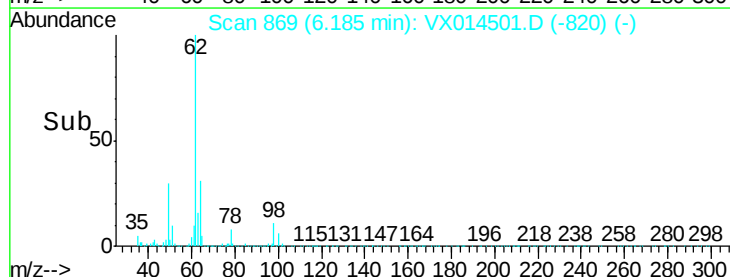
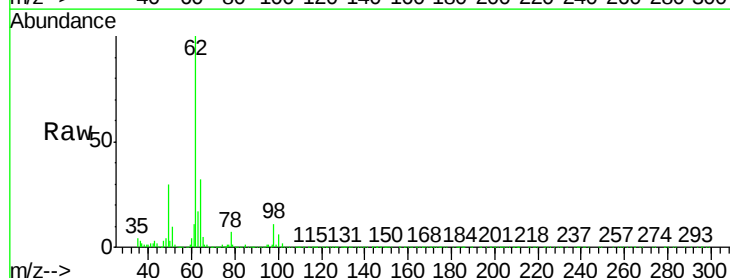
apatel

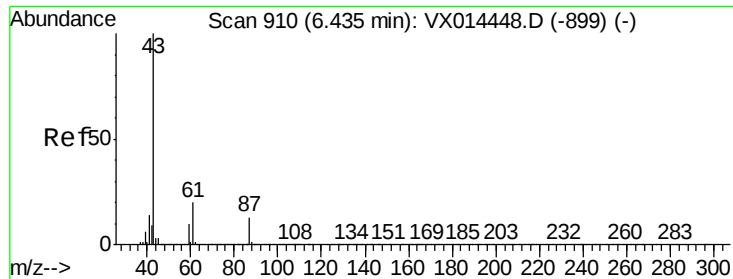
1/10/2020 8:35:07 AM



#42
1,2-Dichloroethane
Concen: 19.422 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	20.4





#43

Isopropyl Acetate
 Concen: 20.423 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

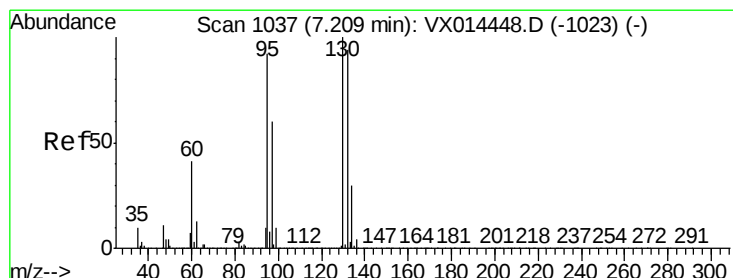
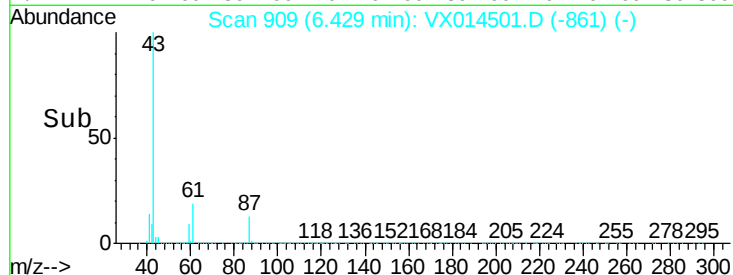
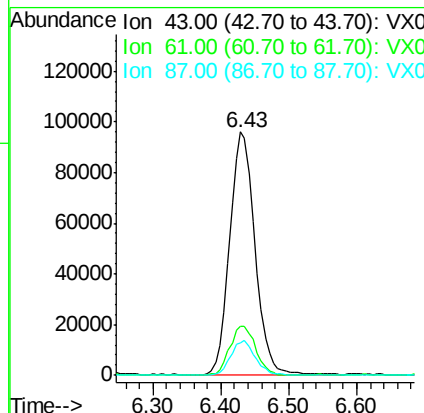
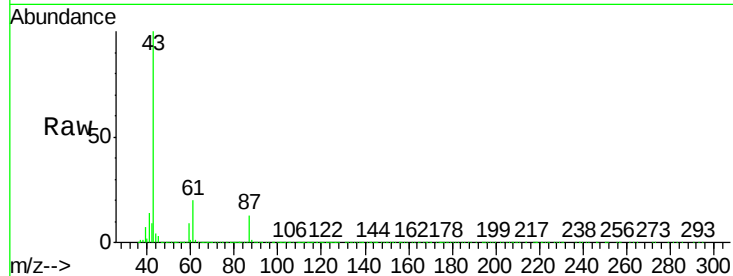
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0109WBSD02

Tot Ion:	43	Resp:	246277
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.6	24.8
87	13.7	10.8	16.2

Manual Integrations
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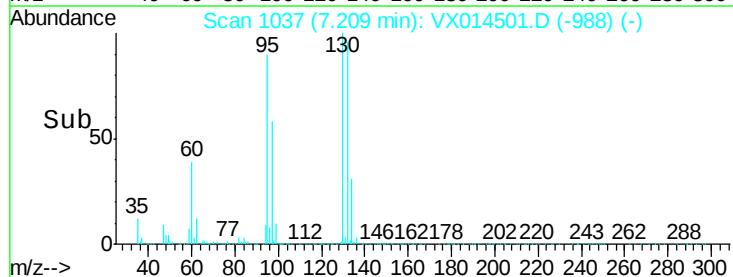
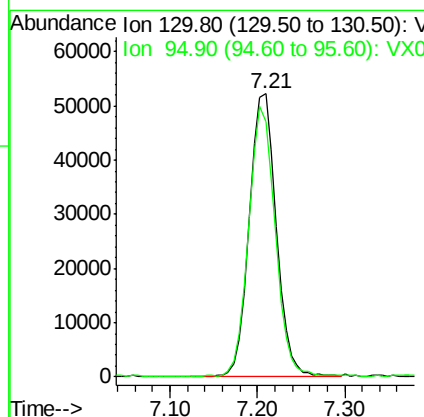
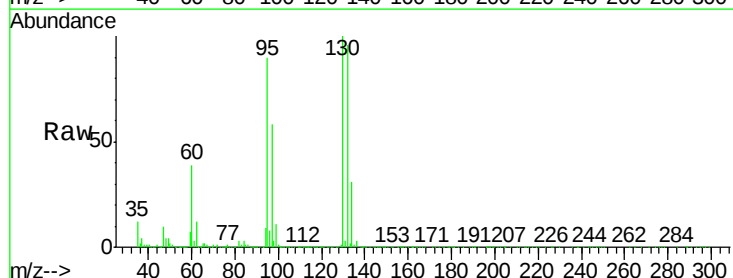
1/10/2020 8:35:07 AM

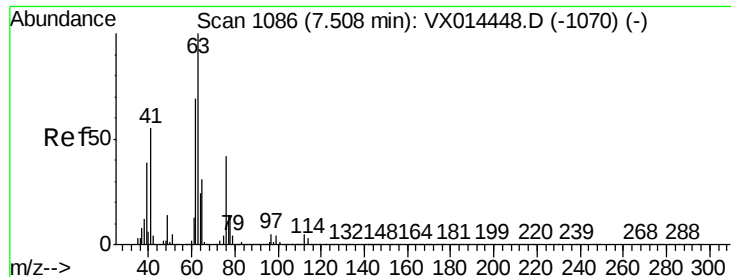


#44

Trichloroethene
 Concen: 19.155 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

Tgt Ion:	130	Resp:	112280
Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	184.2





#45

1,2-Dichloropropane

Concen: 20.226 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion: 63 Resp: 105180

Ion Ratio Lower Upper

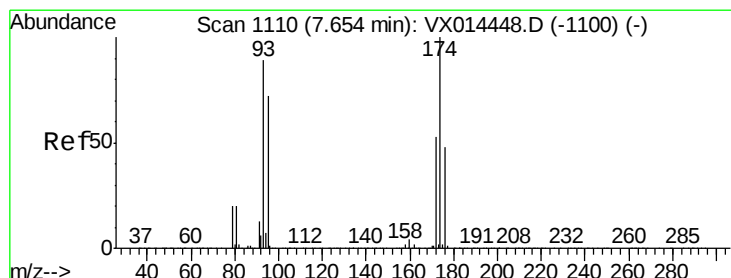
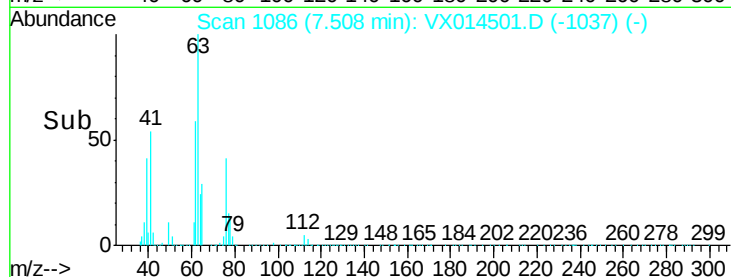
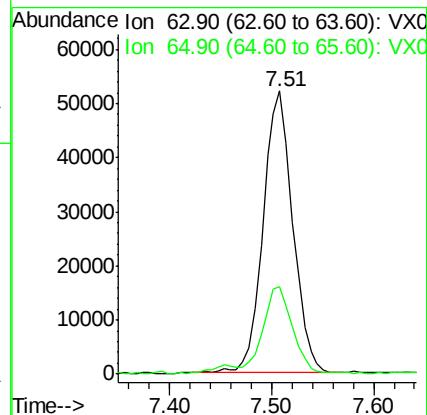
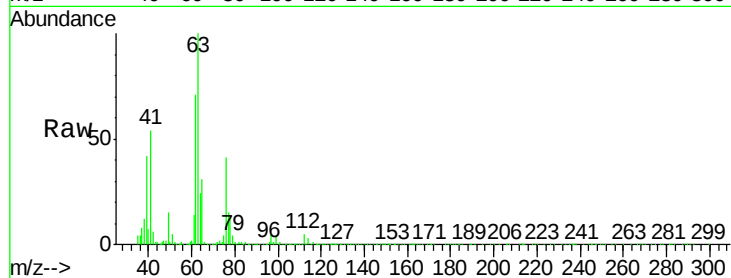
63 100

65 30.7 24.8 37.2

Manual Integrations
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#46

Dibromomethane

Concen: 19.153 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

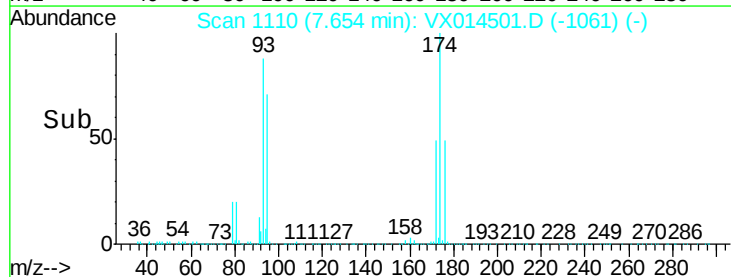
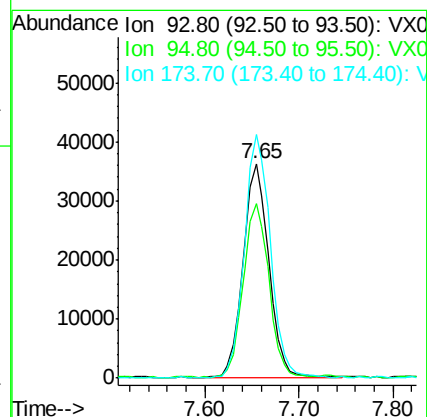
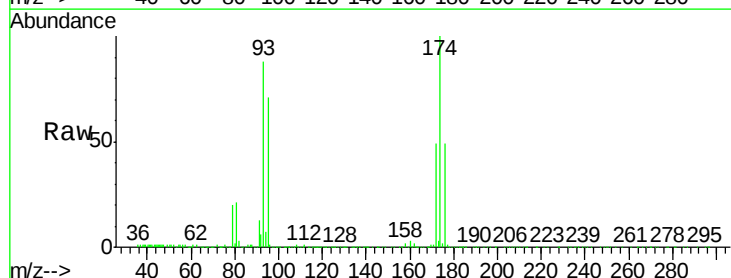
Tgt Ion: 93 Resp: 69516

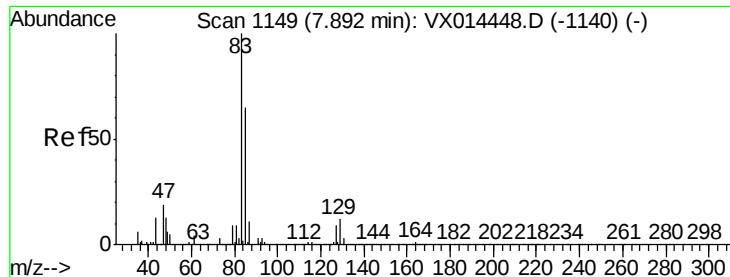
Ion Ratio Lower Upper

93 100

95 80.3 65.4 98.2

174 115.4 93.0 139.4





#47

Bromodichloromethane

Concen: 19.703 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

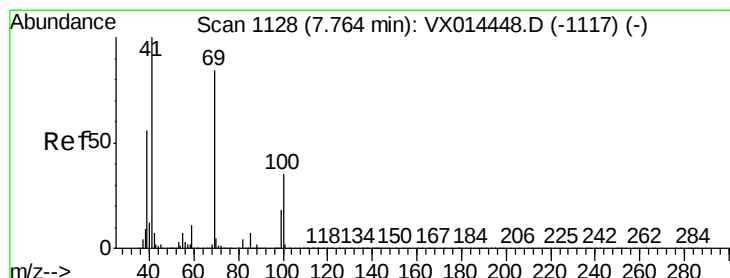
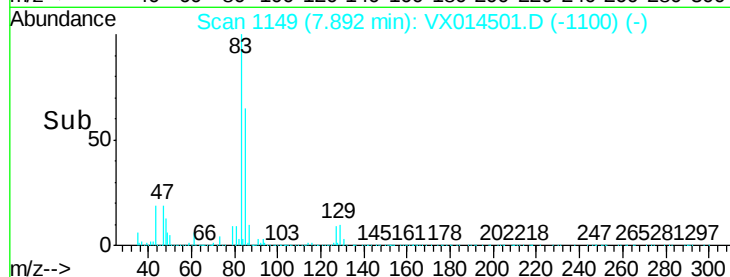
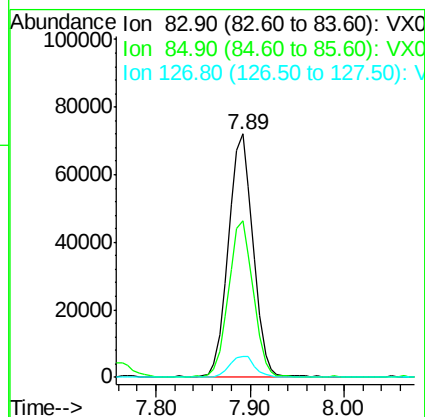
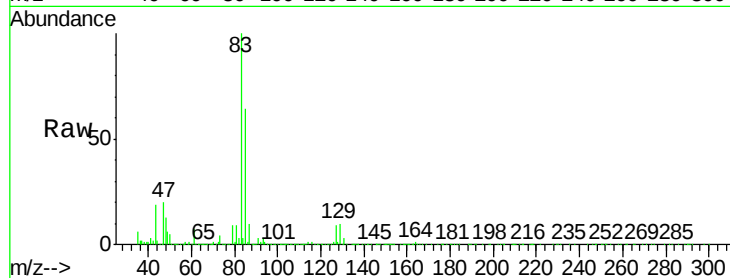
VX0109WBSD02

Tot Ion:	83	Resp:	130127
Ion Ratio		Lower	Upper
83	100		
85	64.2	51.7	77.5
127	8.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.782 ug/l

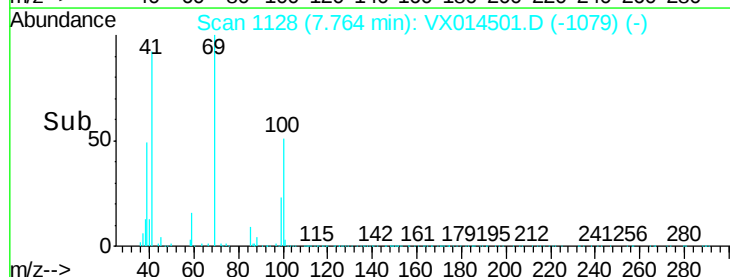
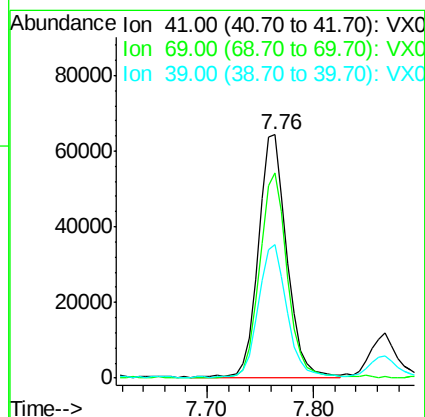
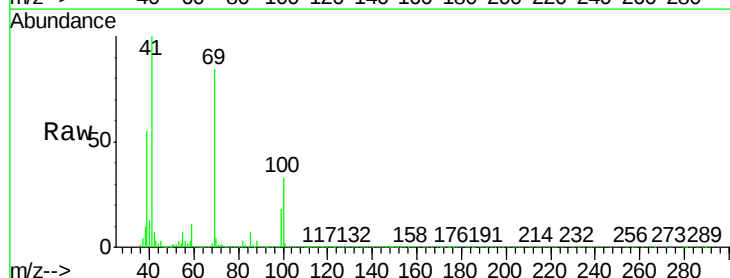
RT: 7.76 min Scan# 1128

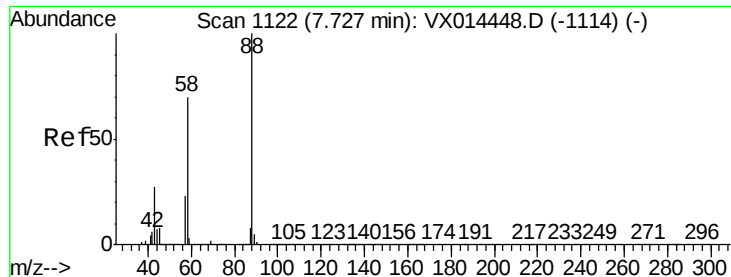
Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion:	41	Resp:	120027
Ion Ratio		Lower	Upper
41	100		
69	81.7	65.5	98.3
39	54.3	43.9	65.9





#49
1,4-Dioxane
Concen: 420.914 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

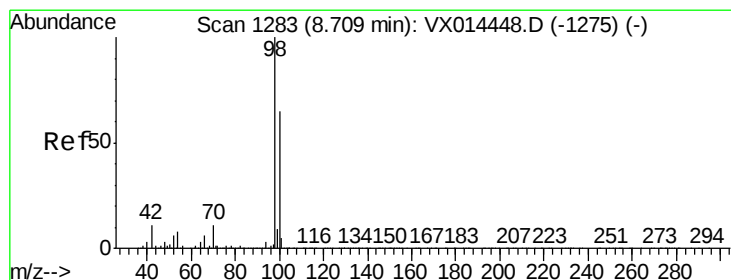
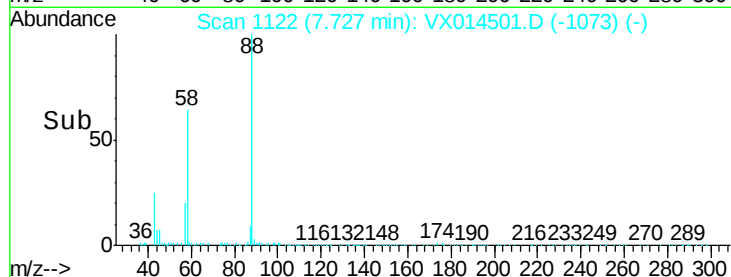
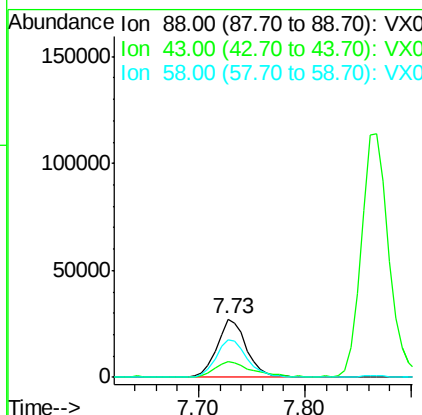
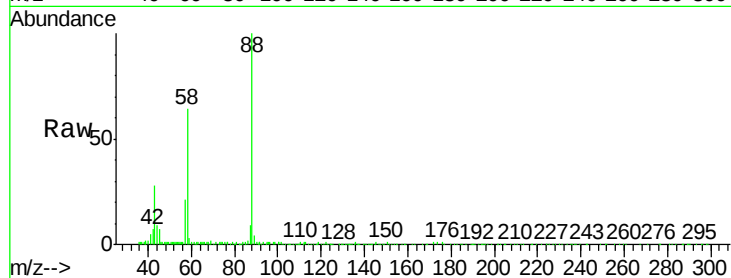
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	27.4	41.0
58	68.3	57.1	85.7

Manual Integrations
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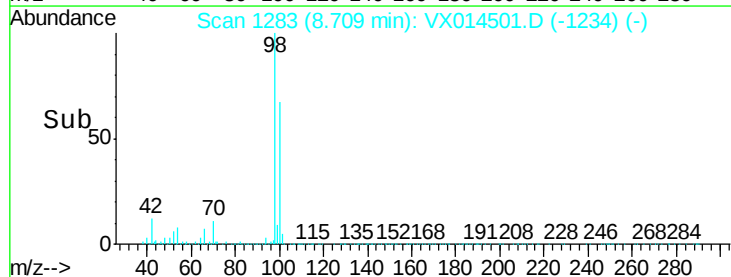
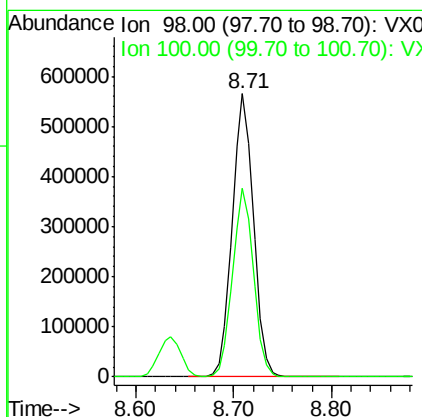
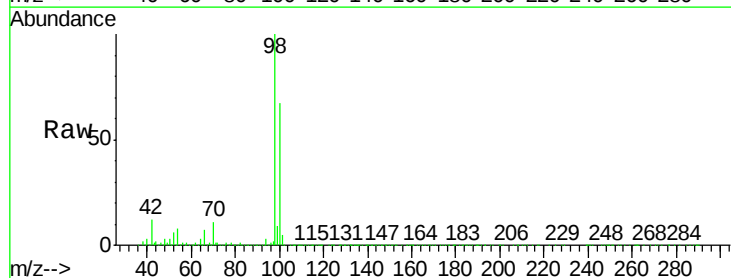
apatel

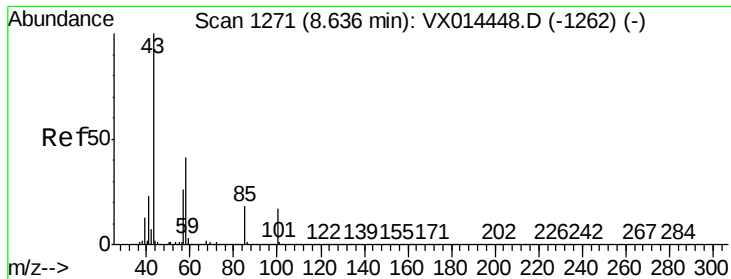
1/10/2020 8:35:07 AM



#50
Toluene-d8
Concen: 49.542 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.2	79.8





#51
4-Methyl-2-Pentanone
Concen: 104.774 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

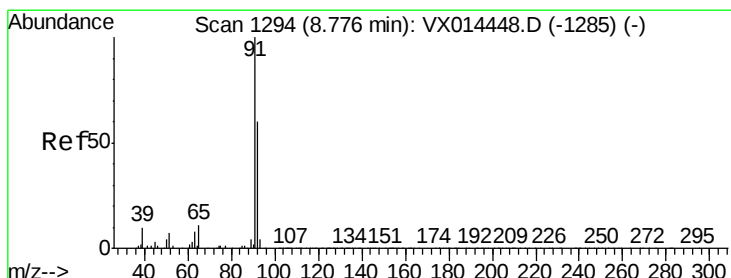
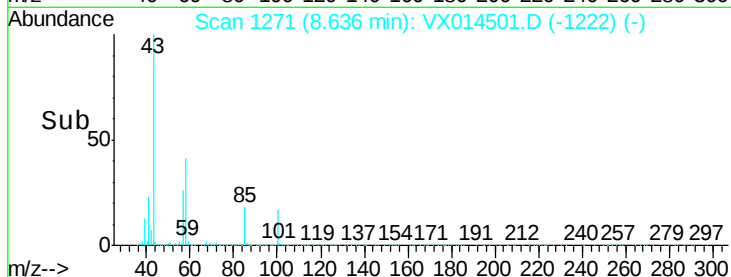
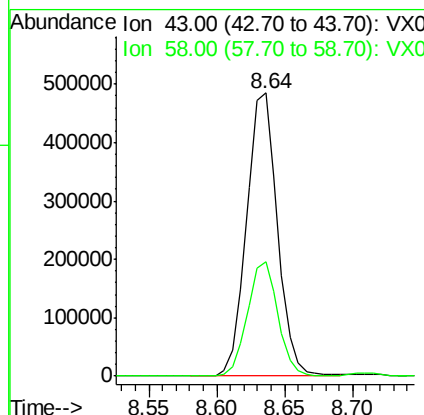
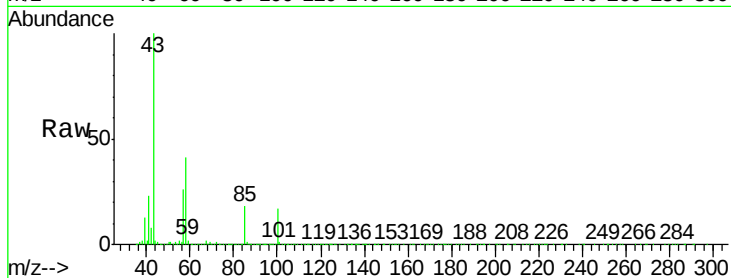
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	32.4	48.6

Manual Integrations
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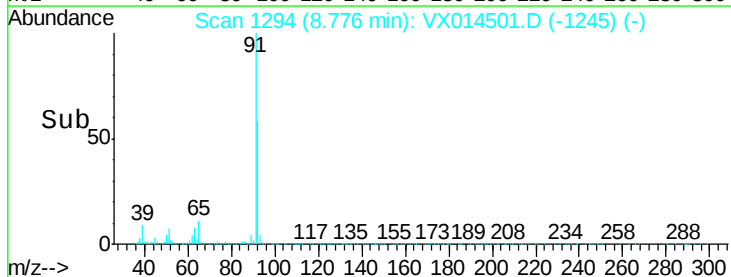
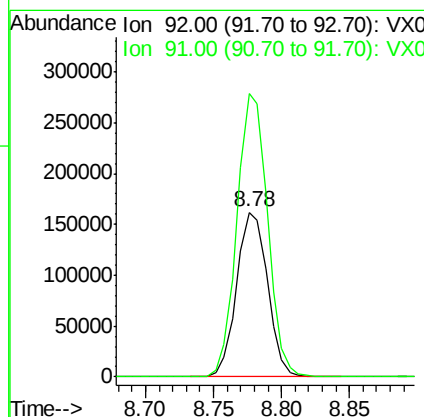
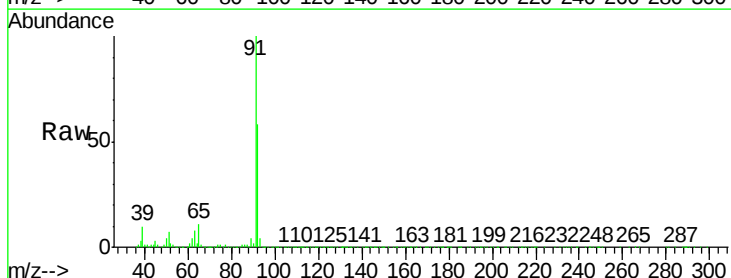
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#52
Toluene
Concen: 19.690 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	135.7	203.5





#53
t-1,3-Dichloropropene
Concen: 18.833 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

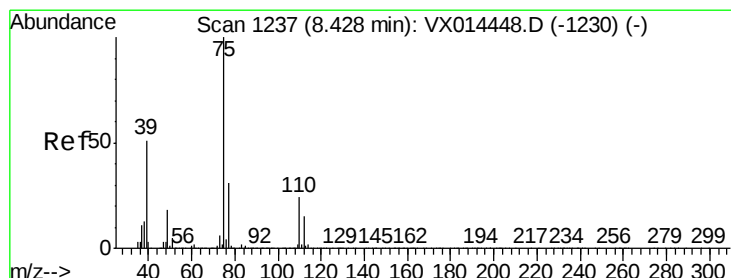
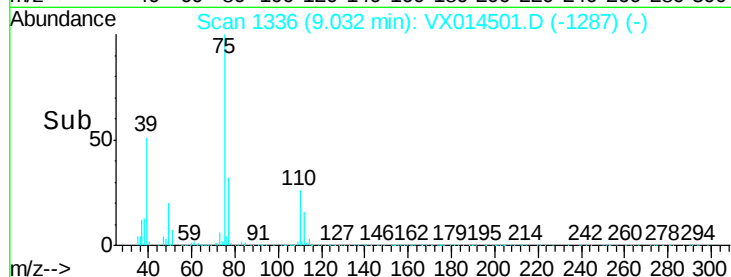
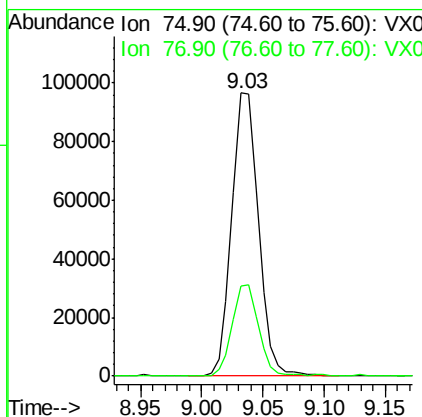
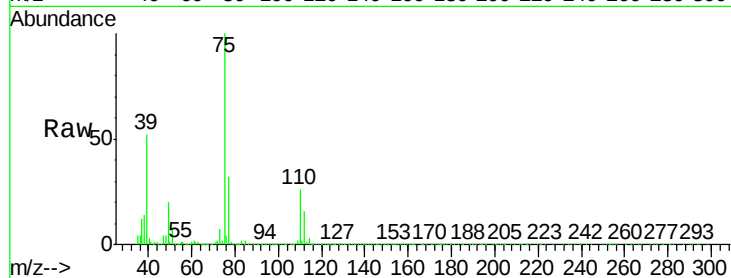
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

Manual Integrations
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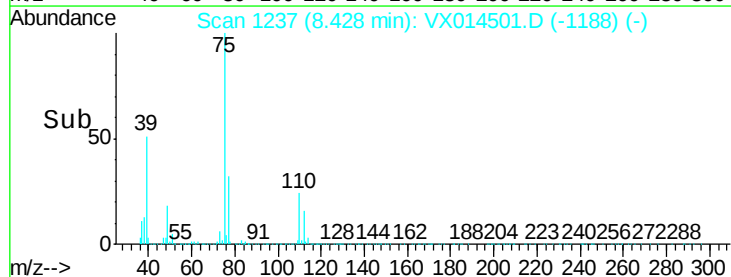
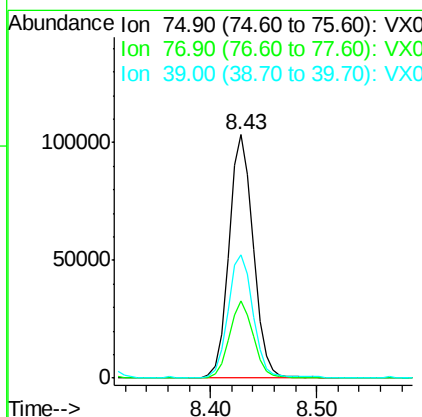
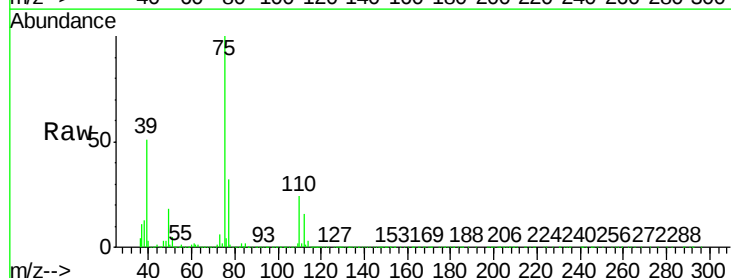
apatel

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#54
cis-1,3-Dichloropropene
Concen: 19.853 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	50.5	40.7	61.1





#55
 1,1,2-Trichloroethane
 Concen: 19.912 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

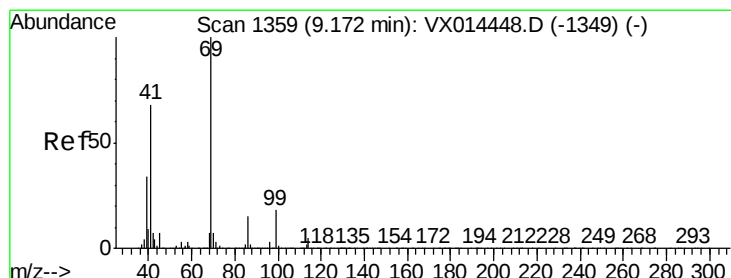
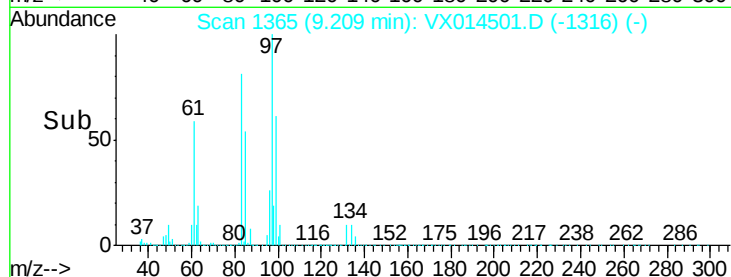
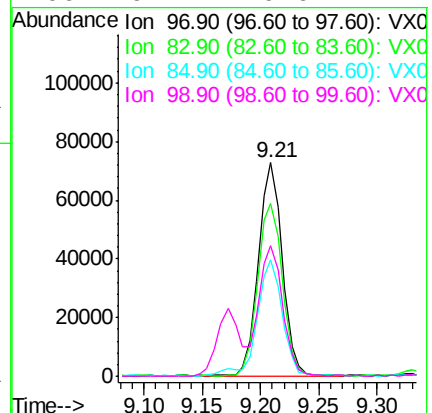
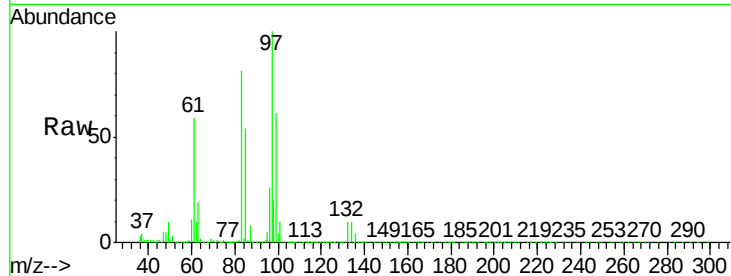
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		104430		
83	81.0	66.4	99.6		
85	54.2	43.4	65.2		
99	61.2	49.6	74.4		

Manual Integrations
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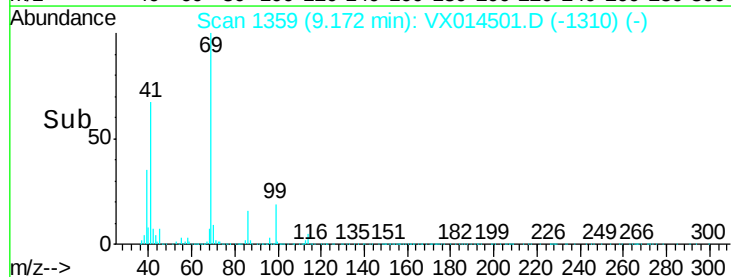
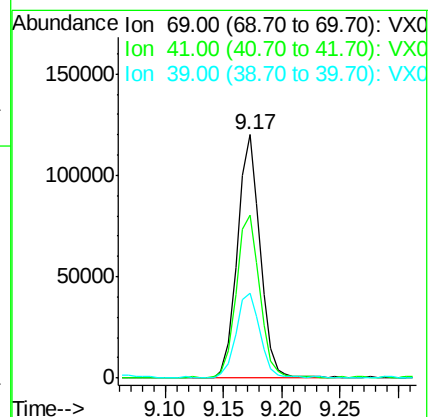
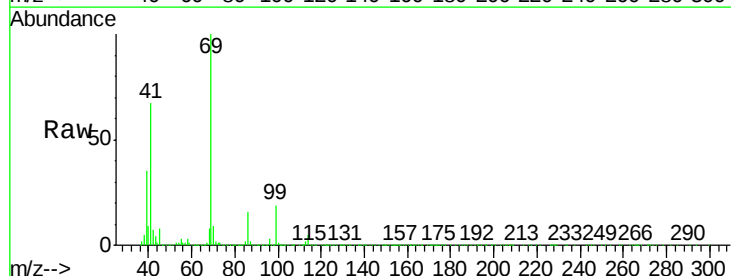
apatel

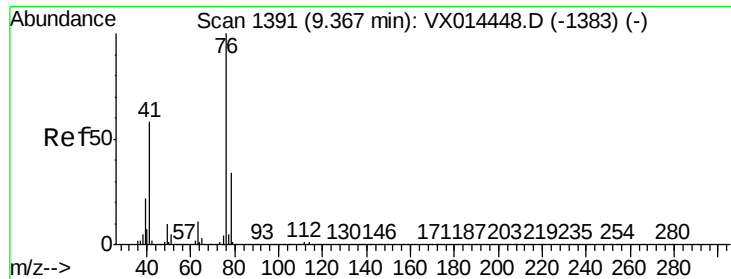
1/10/2020 8:35:07 AM



#56
 Ethyl methacrylate
 Concen: 20.334 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		163379		
41	69.0	54.2	81.2		
39	36.3	28.2	42.2		





#57

1,3-Dichloropropane

Concen: 20.332 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion: 76 Resp: 178293

Ion Ratio Lower Upper

76 100

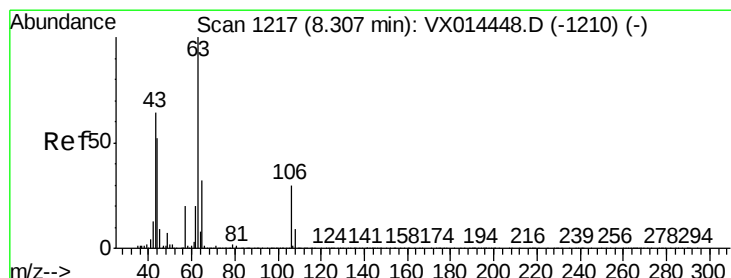
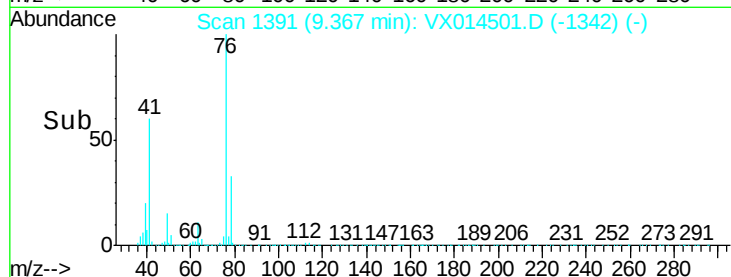
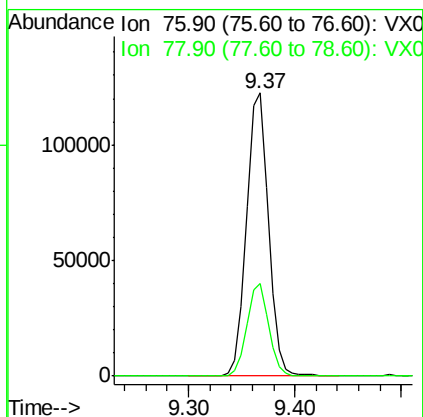
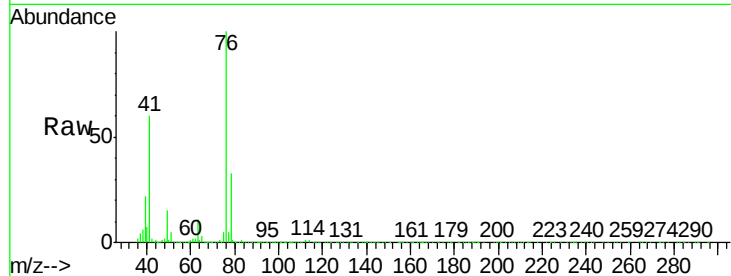
78 31.9 26.4 39.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 105.066 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX014501.D

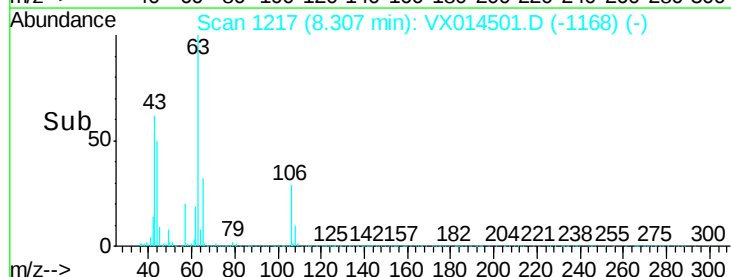
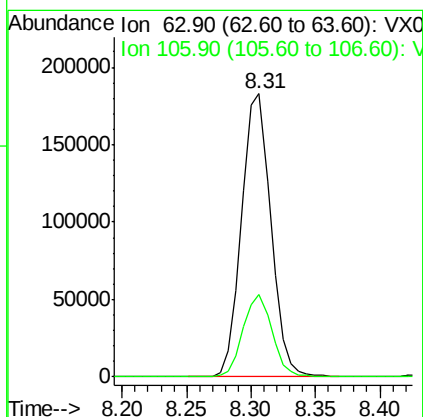
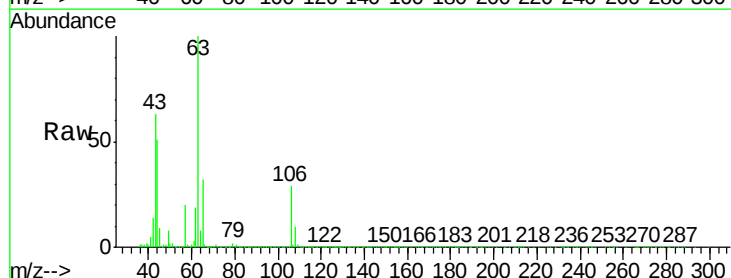
Acq: 09 Jan 2020 17:00

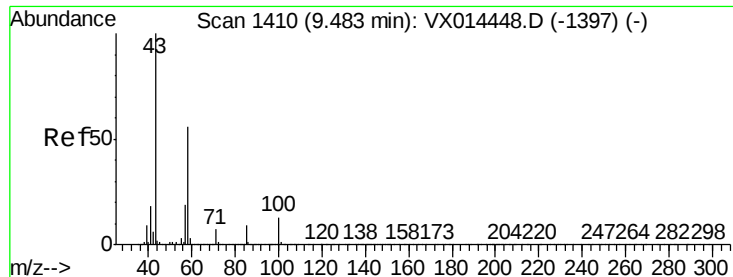
Tgt Ion: 63 Resp: 287222

Ion Ratio Lower Upper

63 100

106 28.6 23.6 35.4





#59
2-Hexanone
Concen: 103.073 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

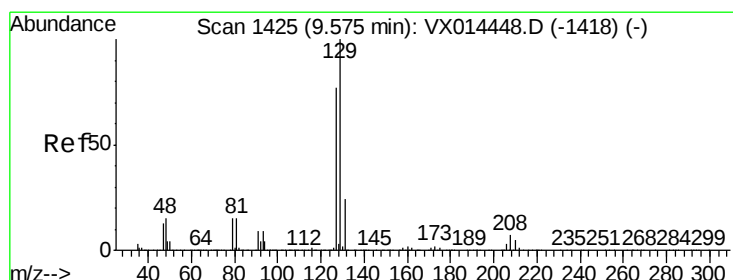
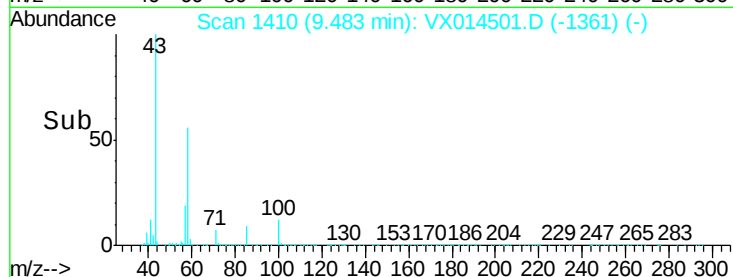
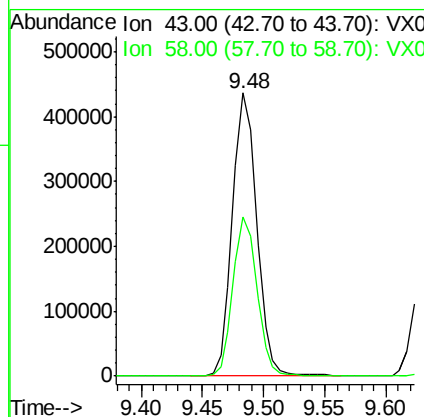
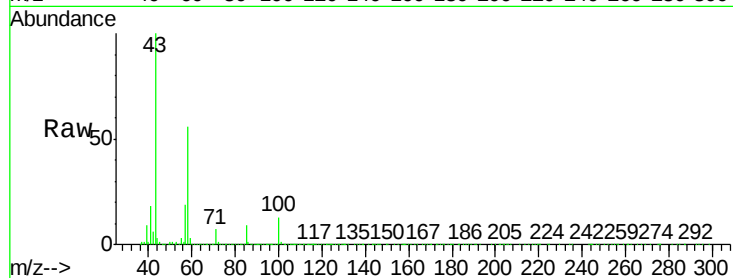
Instrument :
MSVOA_X
ClientSampled :
VX0109WBSD02

Tot Ion: 43 Resp: 599302
Ion Ratio Lower Upper
43 100
58 55.7 27.9 83.7

Manual Integrations
APPROVED

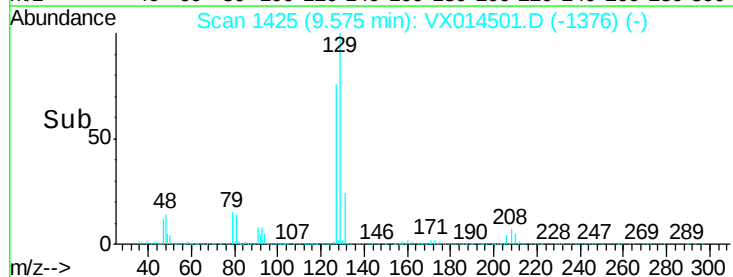
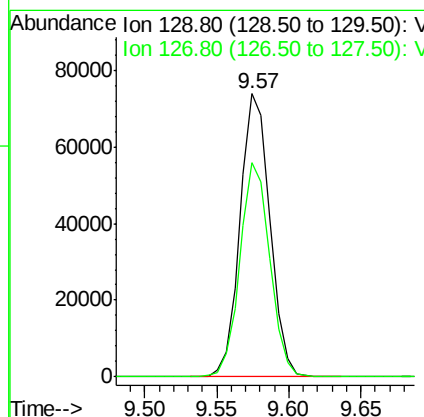
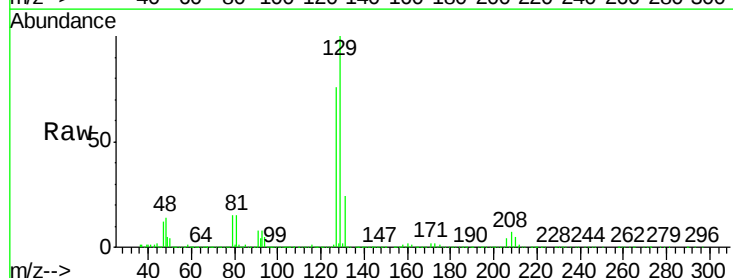
apatel

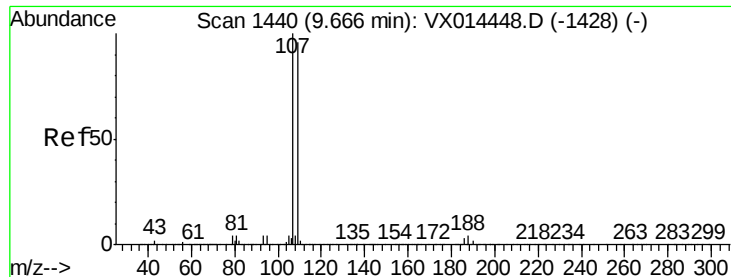
1/10/2020 8:35:07 AM



#60
Dibromochloromethane
Concen: 20.066 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion: 129 Resp: 105776
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61
 1,2-Dibromoethane
 Concen: 19.961 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

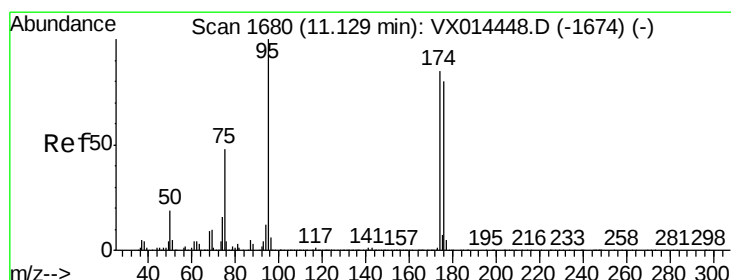
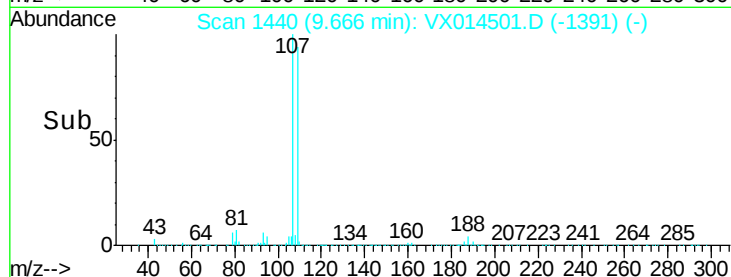
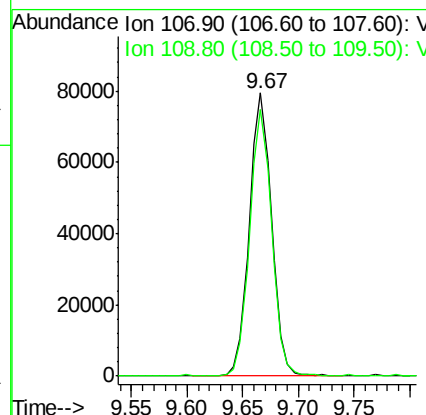
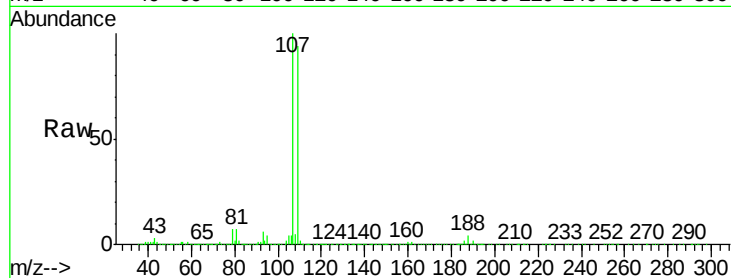
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	76.5	114.7

Manual Integrations
 APPROVED

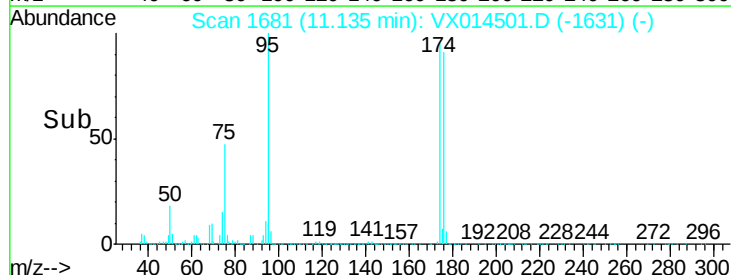
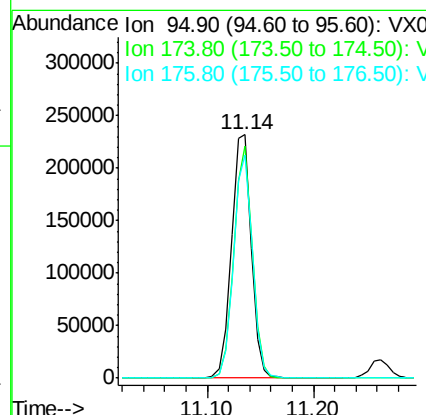
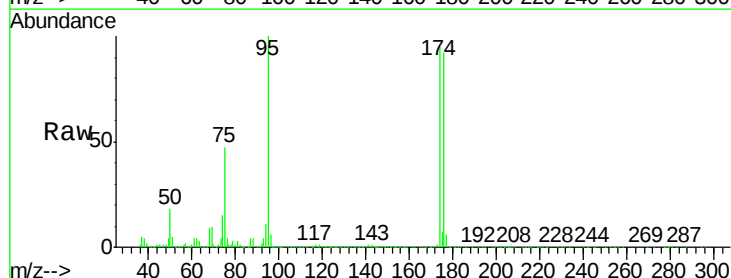
apatel

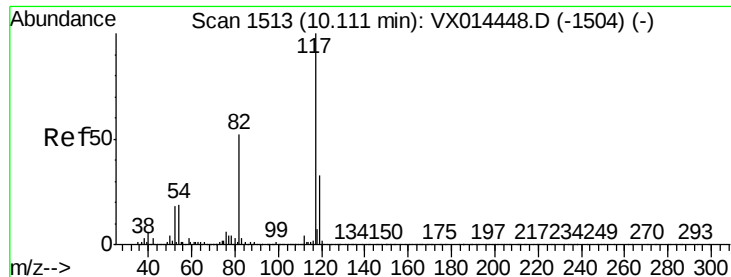
1/10/2020 8:35:07 AM



#62
 4-Bromofluorobenzene
 Concen: 47.912 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	180.8
176	87.8	0.0	172.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

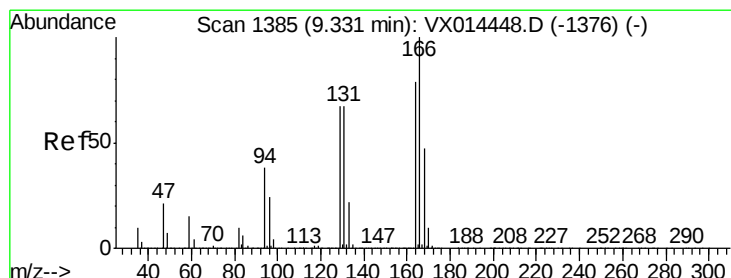
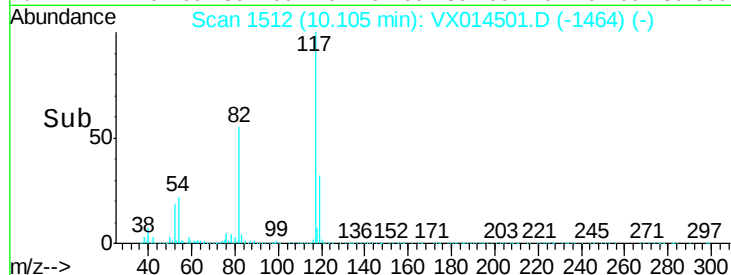
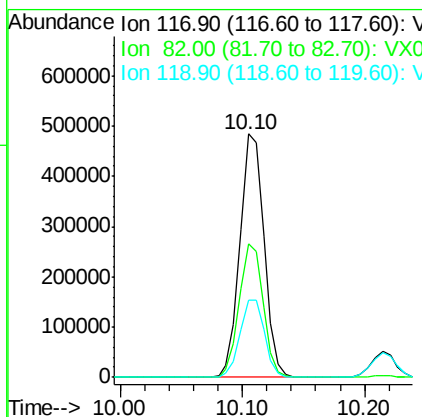
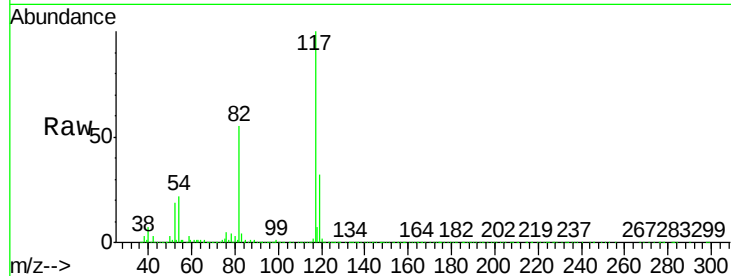
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	41.8	62.6
119	31.6	26.2	39.4

Manual Integrations
APPROVED

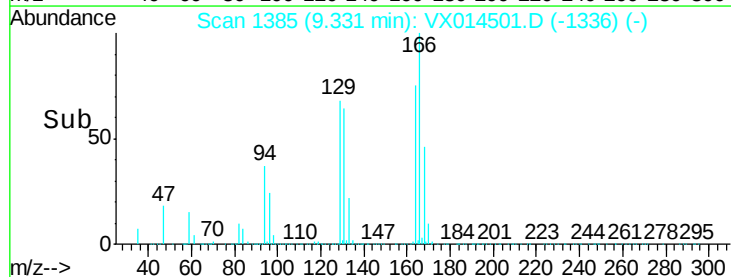
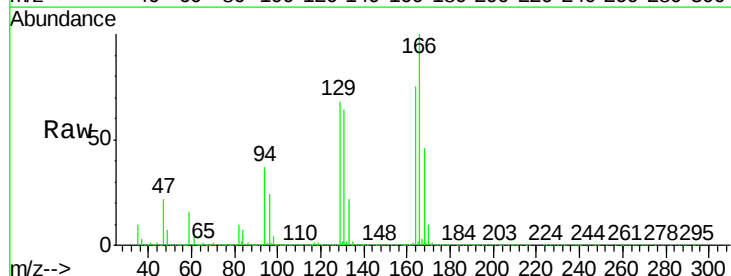
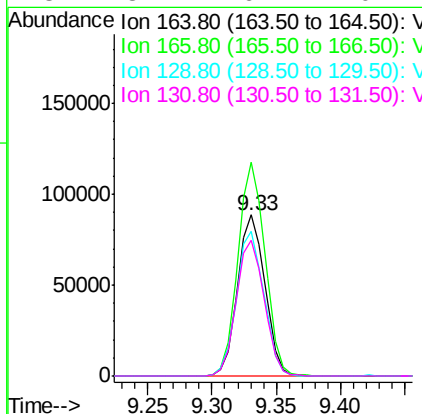
apatel

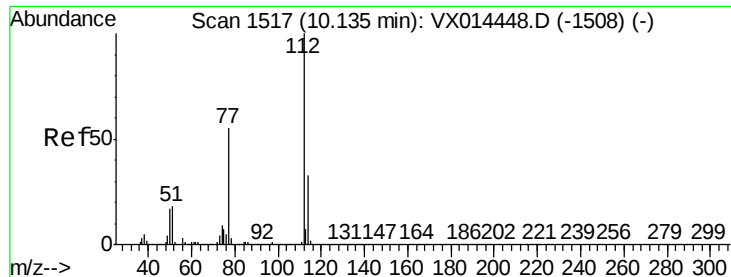
1/10/2020 8:35:07 AM



#64
Tetrachloroethene
Concen: 19.717 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	101.2	151.8
129	89.6	68.3	102.5
131	84.7	67.4	101.2





#65
Chlorobenzene
Concen: 19.212 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

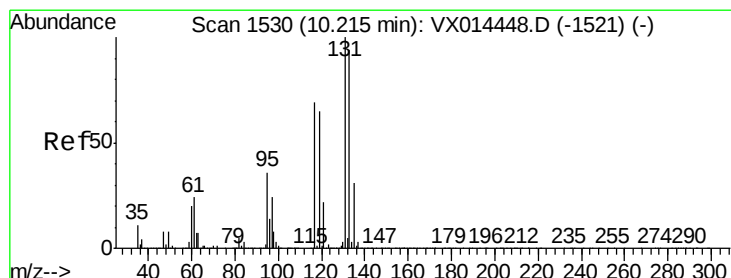
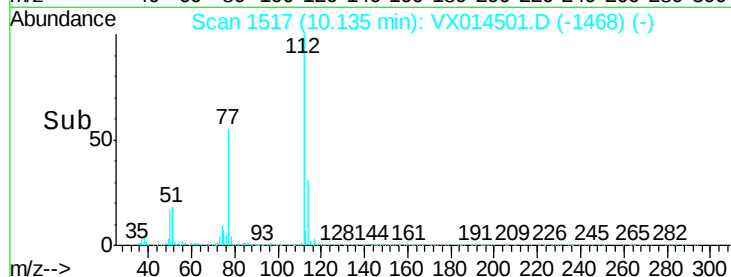
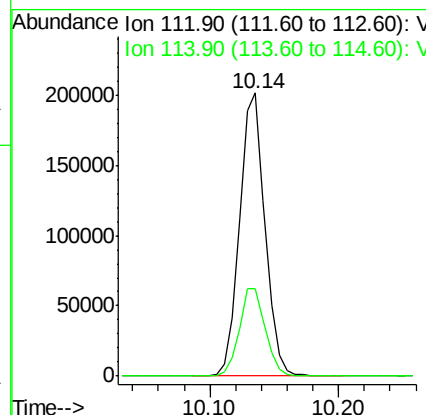
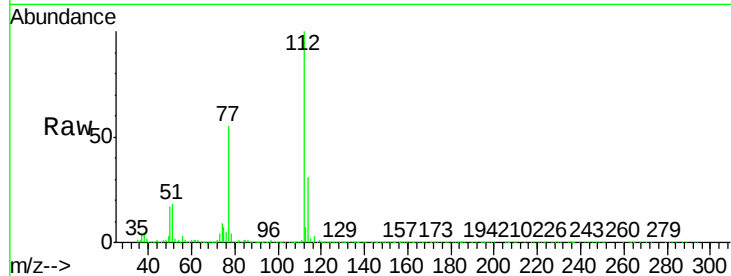
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion:112 Resp: 275571
Ion Ratio Lower Upper
112 100
114 30.7 26.2 39.4

Manual Integrations
APPROVED

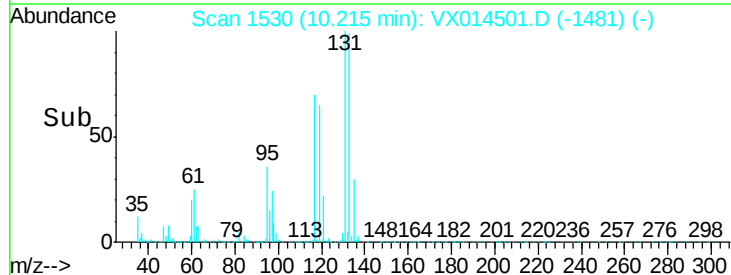
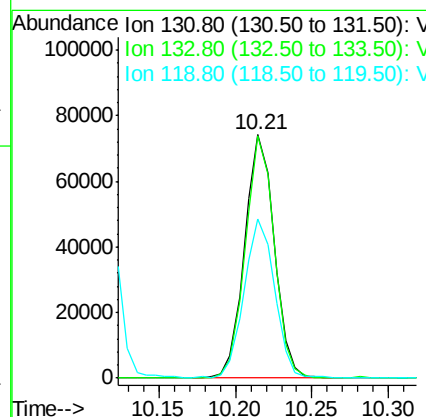
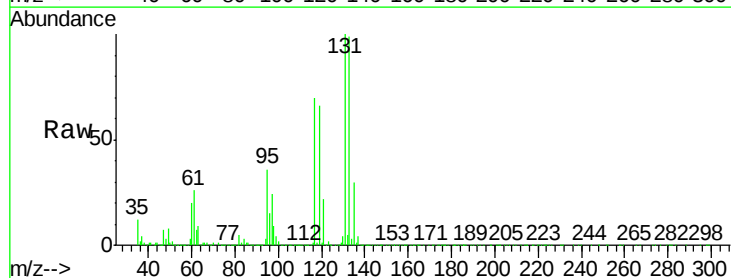
apatel

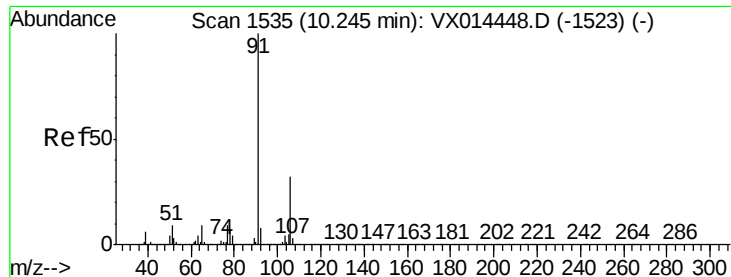
1/10/2020 8:35:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.411 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion:131 Resp: 99362
Ion Ratio Lower Upper
131 100
133 96.7 47.3 142.0
119 68.0 32.8 98.4





#67

Ethyl Benzene

Concen: 19.771 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampled :

VX0109WBSD02

Tot Ion: 91 Resp: 483374

Ion Ratio Lower Upper

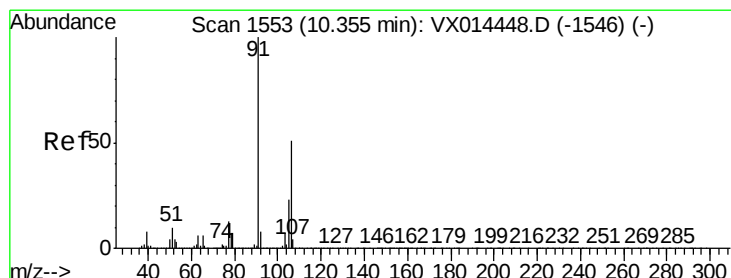
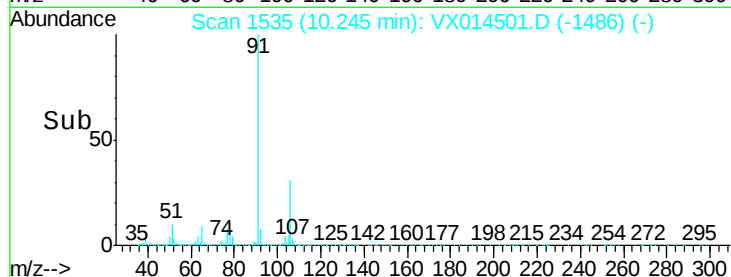
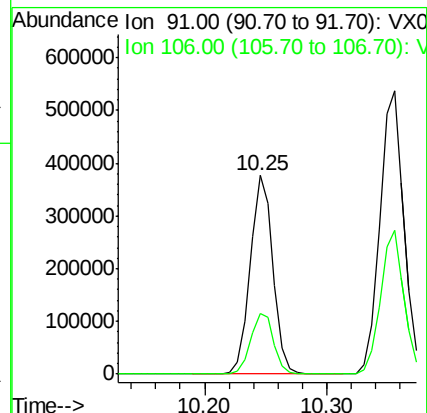
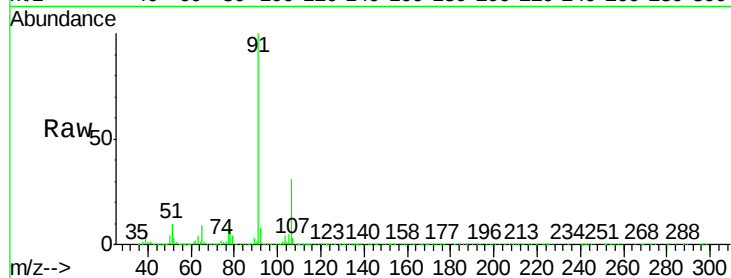
91 100

106 30.8 25.6 38.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.612 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX014501.D

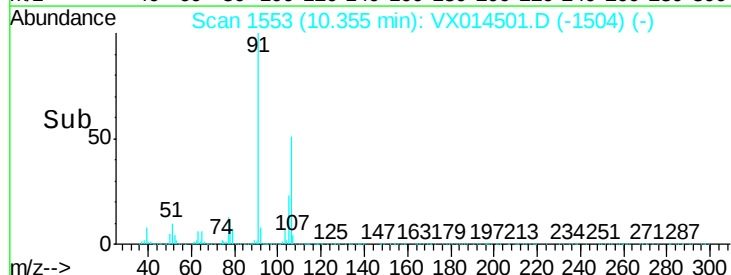
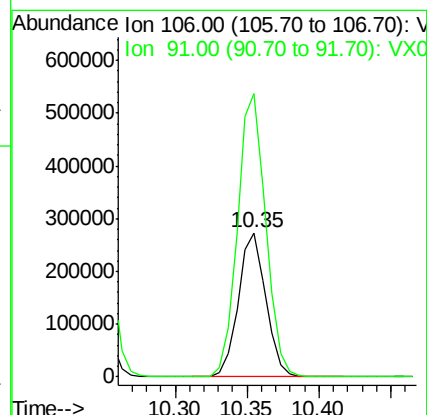
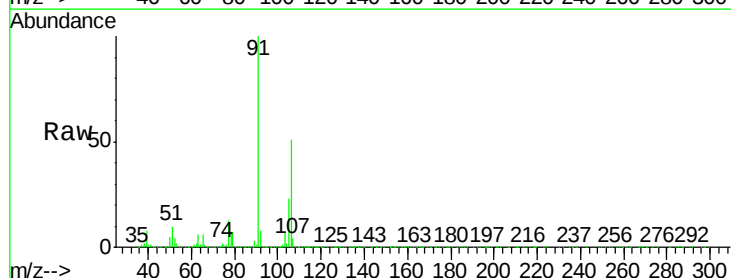
Acq: 09 Jan 2020 17:00

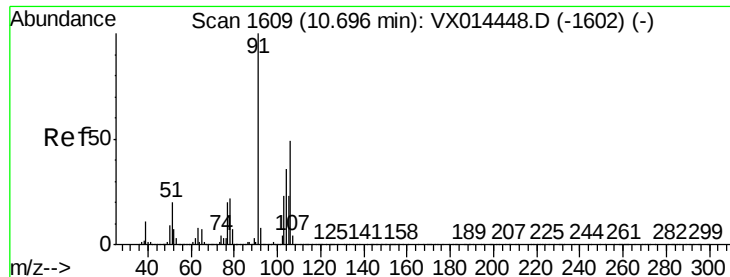
Tgt Ion: 106 Resp: 364188

Ion Ratio Lower Upper

106 100

91 200.7 157.4 236.0





#69
o-Xylene
Concen: 19.993 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

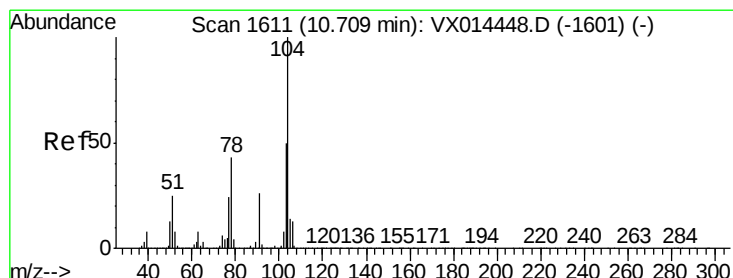
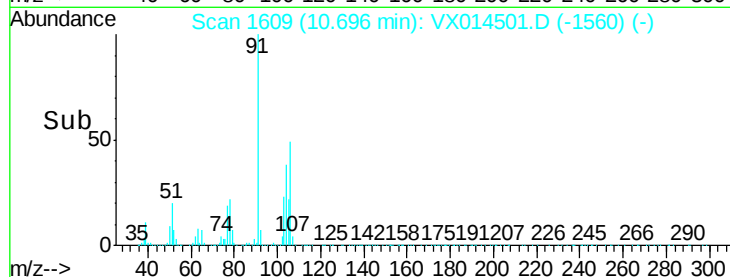
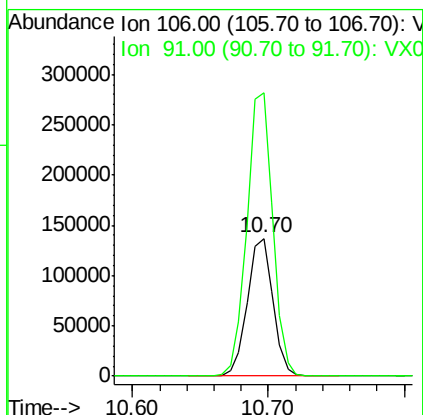
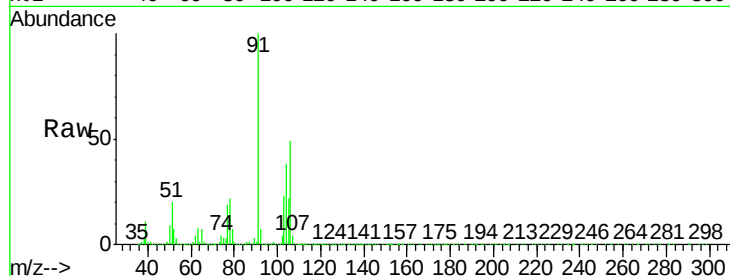
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.4	105.1	315.1

Manual Integrations
APPROVED

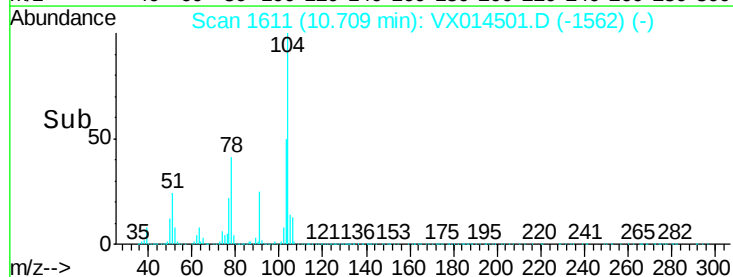
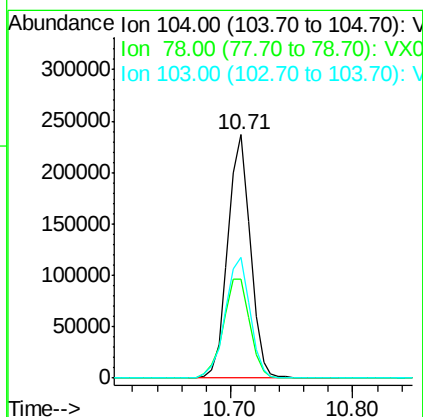
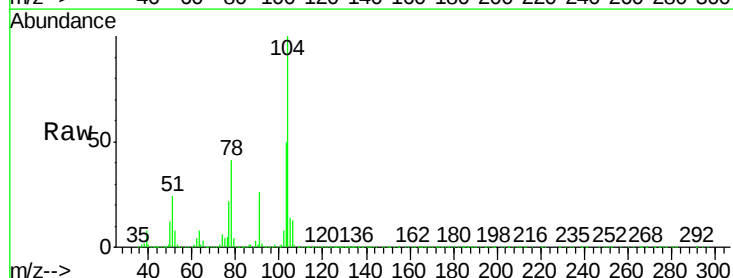
apatel

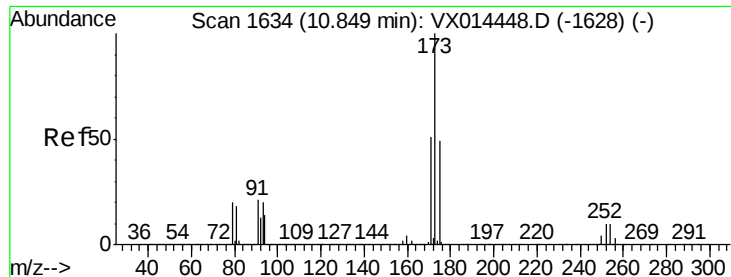
1/10/2020 8:35:07 AM



#70
Styrene
Concen: 19.382 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.6	58.0
103	54.5	43.7	65.5





#71
Bromoform
Concen: 18.920 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

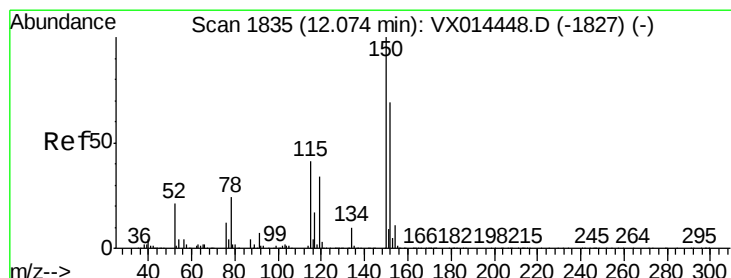
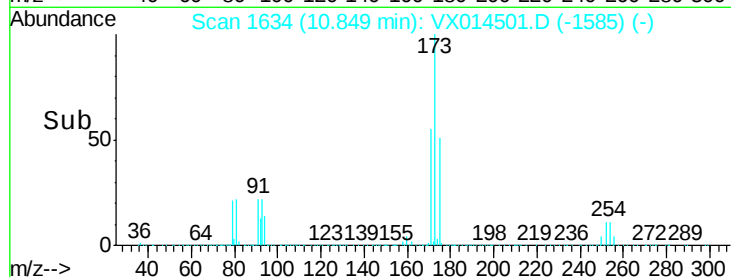
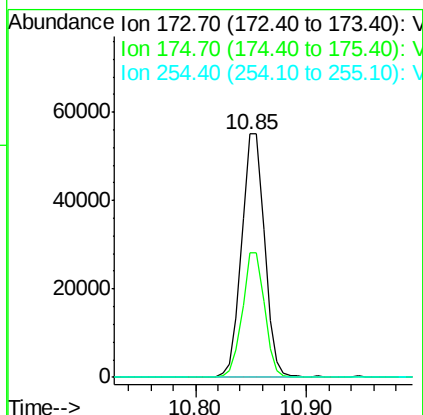
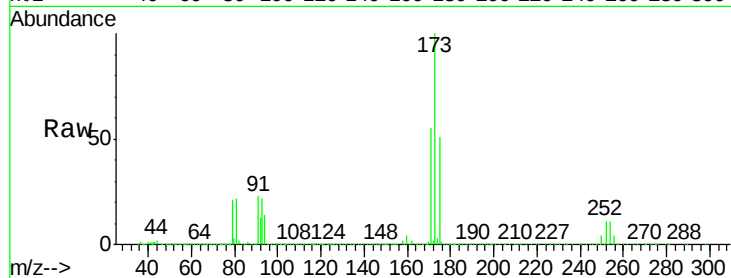
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.1	0.2	0.2

Manual Integrations
APPROVED

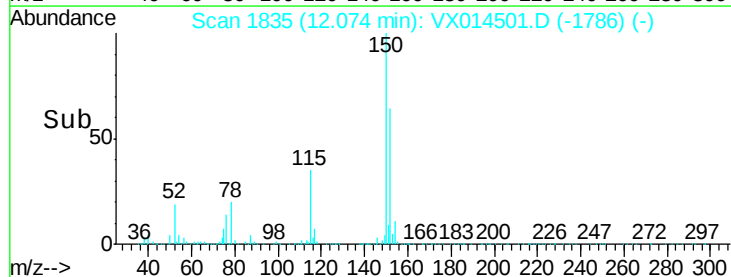
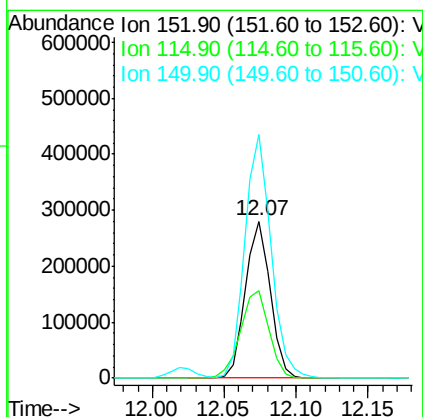
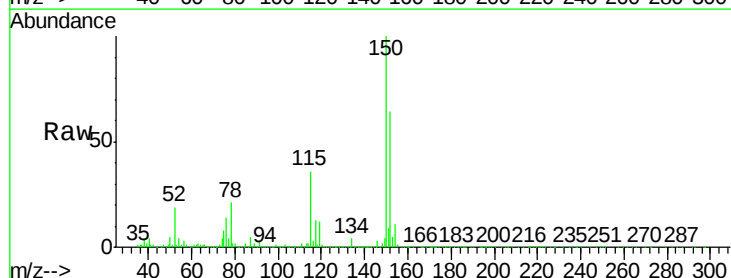
apatel

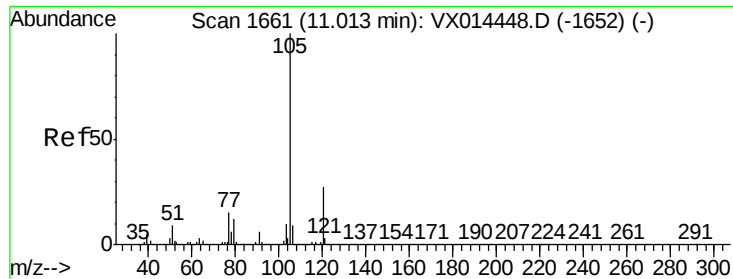
1/10/2020 8:35:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	39.5	118.3
150	163.5	0.0	350.2





#73

Isopropylbenzene

Concen: 20.305 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion:105 Resp: 475223

Ion Ratio Lower Upper

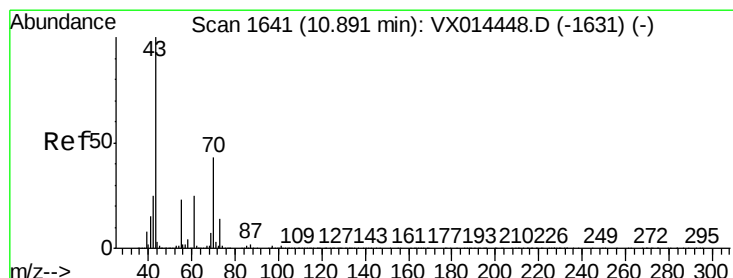
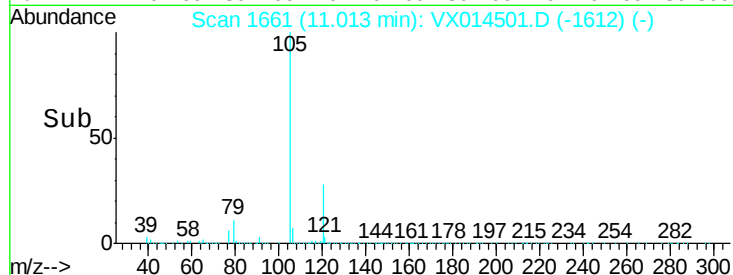
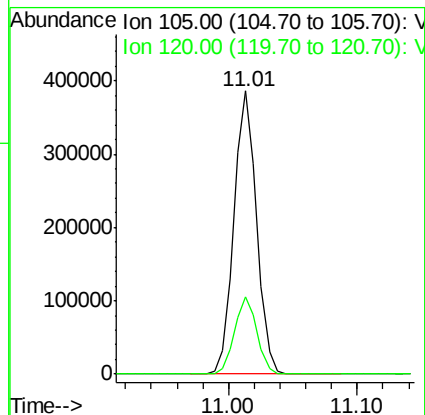
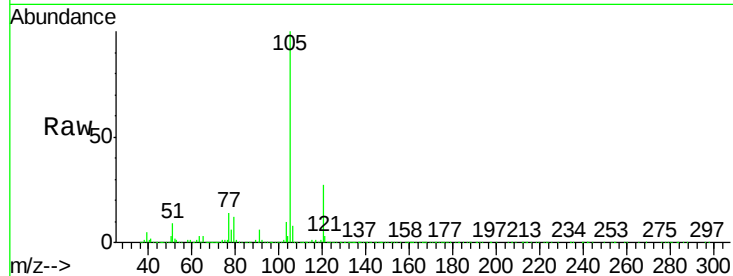
105 100

120 27.2 13.4 40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.730 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion: 43 Resp: 214041

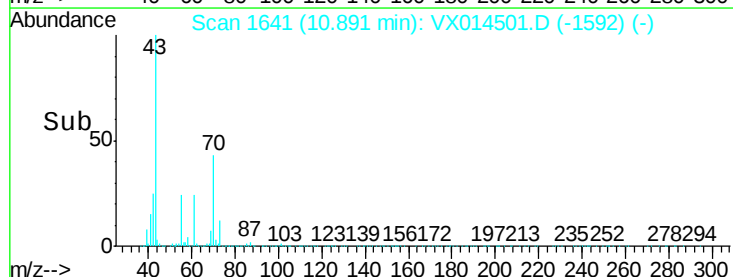
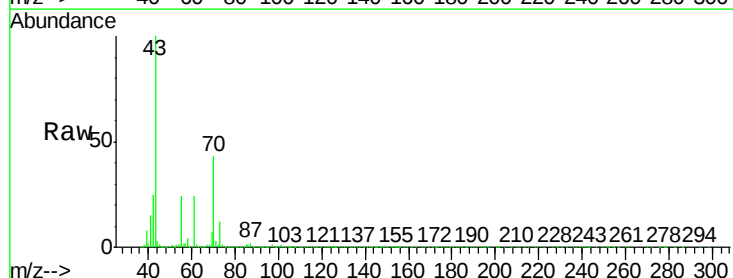
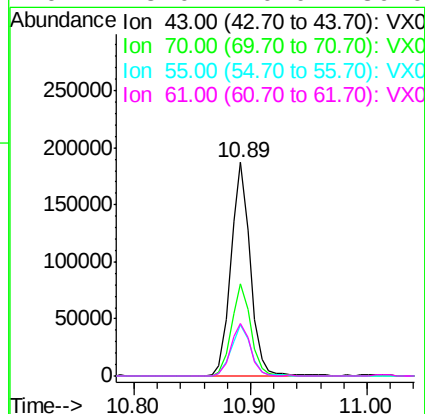
Ion Ratio Lower Upper

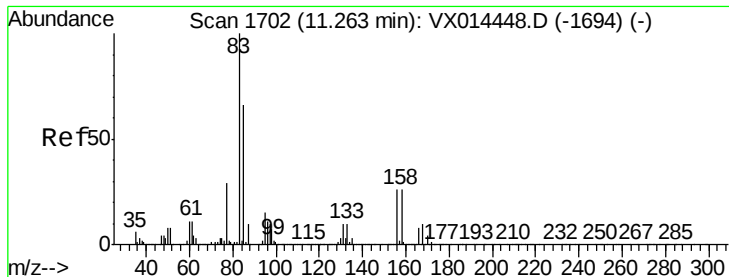
43 100

70 43.3 35.1 52.7

55 24.9 19.3 28.9

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.339 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion: 83 Resp: 152655

Ion Ratio Lower Upper

83 100

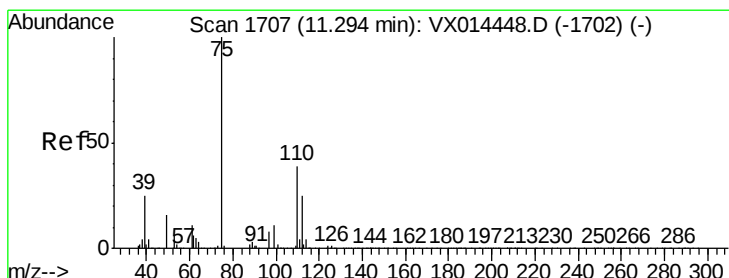
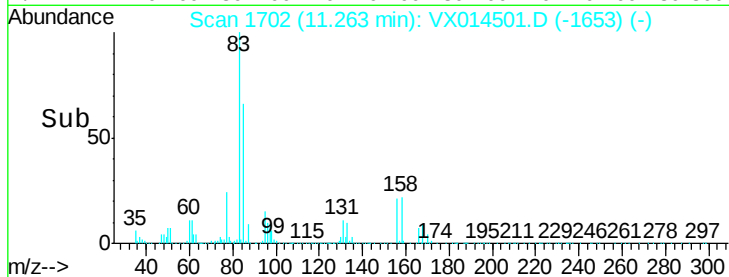
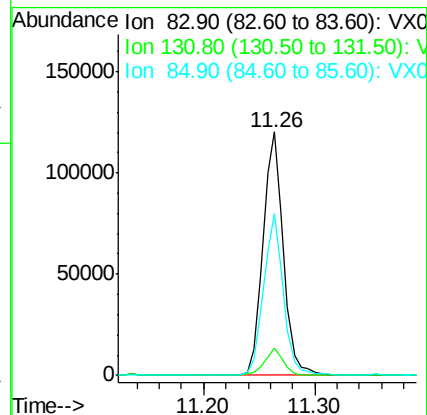
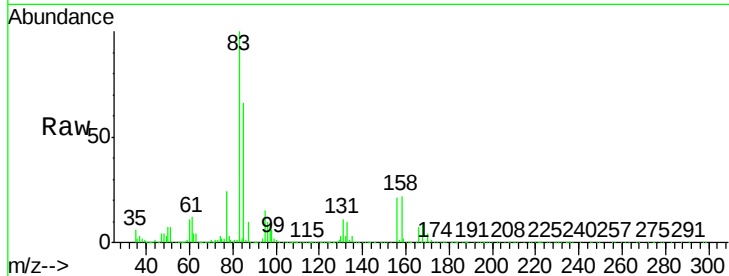
131 10.3 5.1 15.4

85 65.0 32.5 97.4

Manual Integrations
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apatel

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#76

1,2,3-Trichloropropane

Concen: 21.641 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014501.D

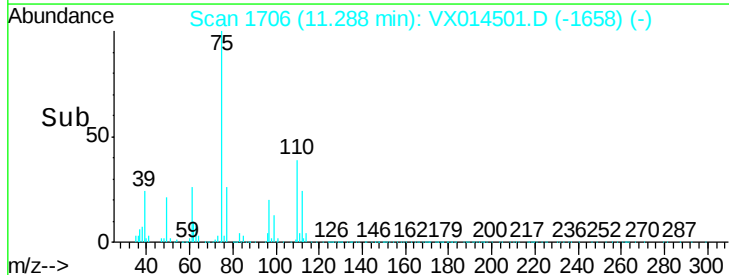
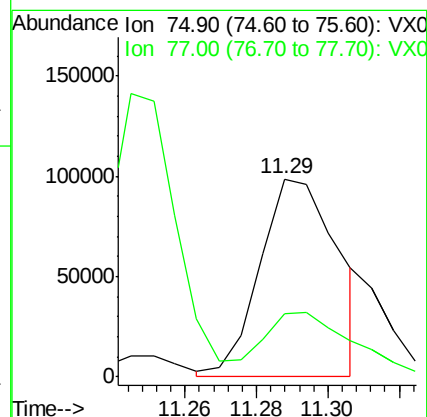
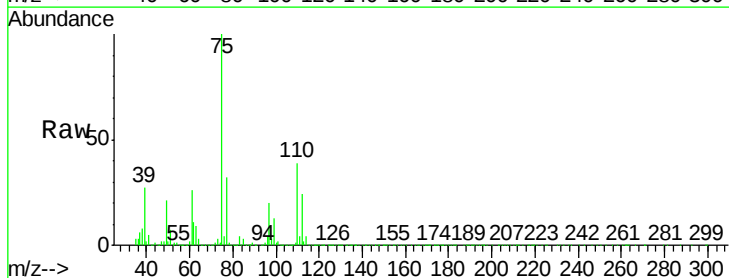
Acq: 09 Jan 2020 17:00

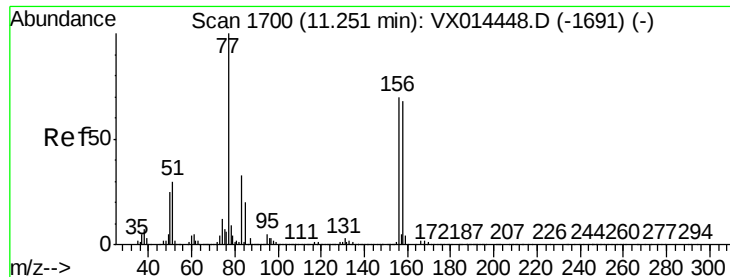
Tgt Ion: 75 Resp: 149230

Ion Ratio Lower Upper

75 100

77 36.4 21.9 65.7





#77

Bromobenzene

Concen: 19.068 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

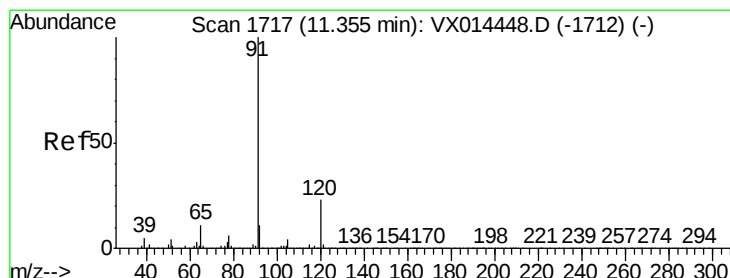
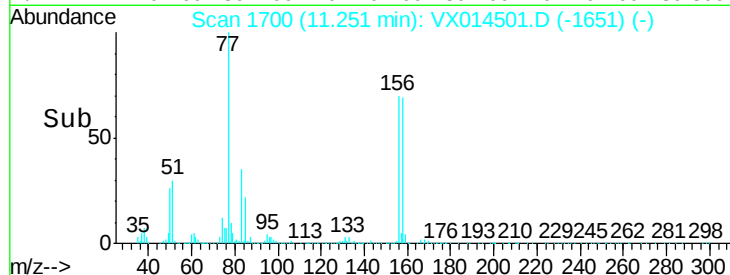
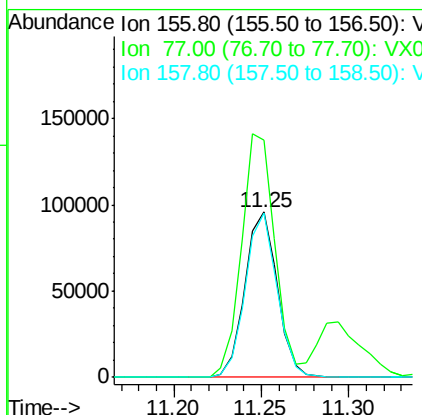
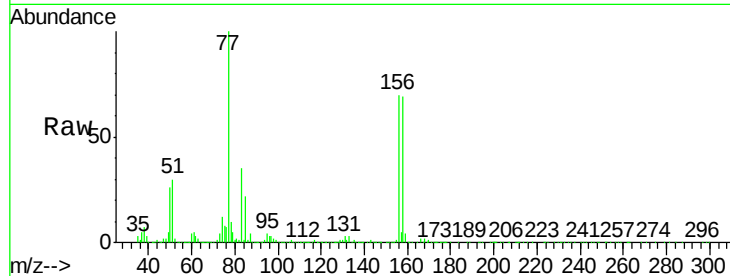
VX0109WBSD02

Tot Ion:	156	Resp:	123761
Ion Ratio	Lower	Upper	
156	100		
77	150.2	75.4	226.3
158	96.3	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.984 ug/l

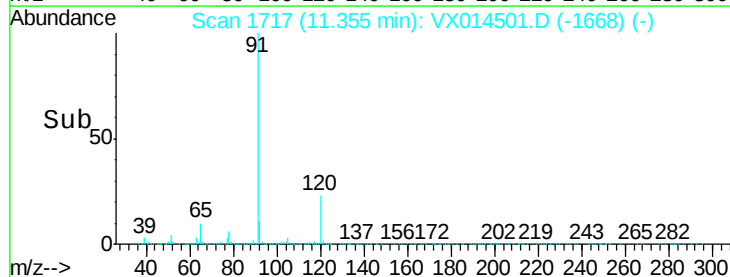
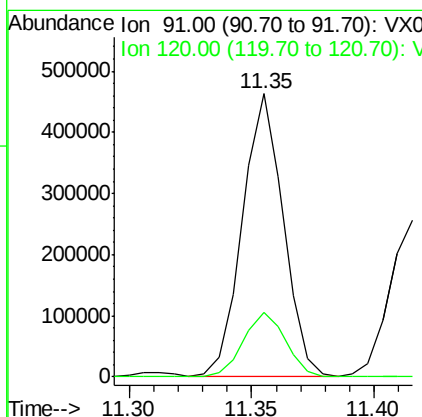
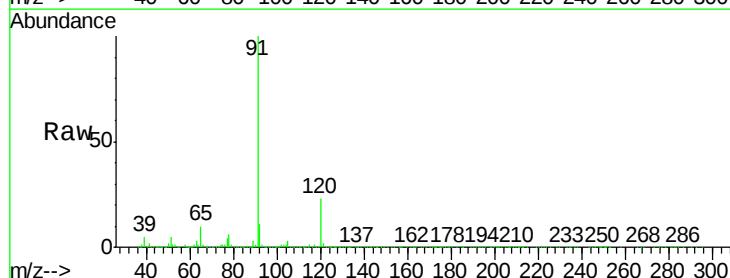
RT: 11.35 min Scan# 1717

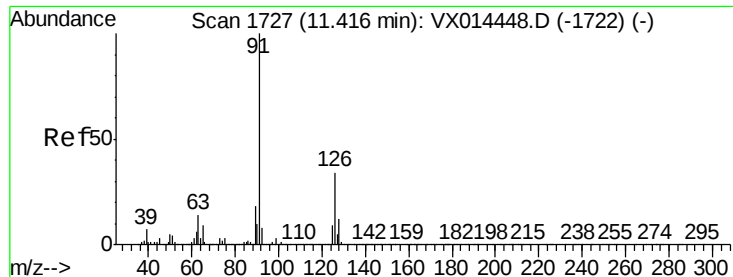
Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion:	91	Resp:	535640
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.751 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampled :

VX0109WBSD02

Tot Ion: 91 Resp: 315506

Ion Ratio Lower Upper

91 100

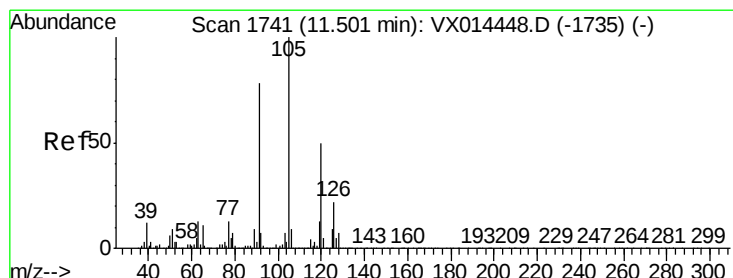
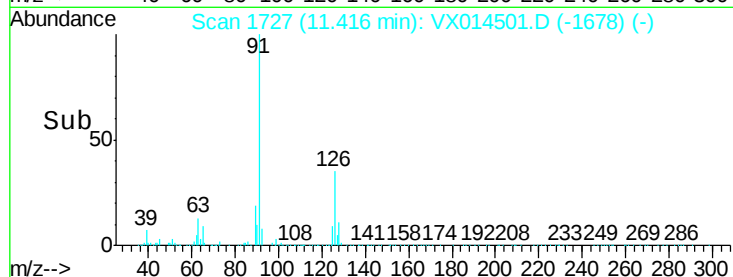
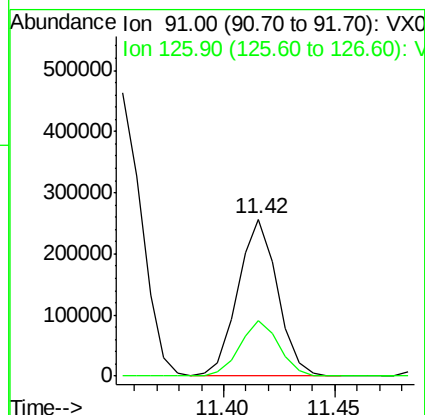
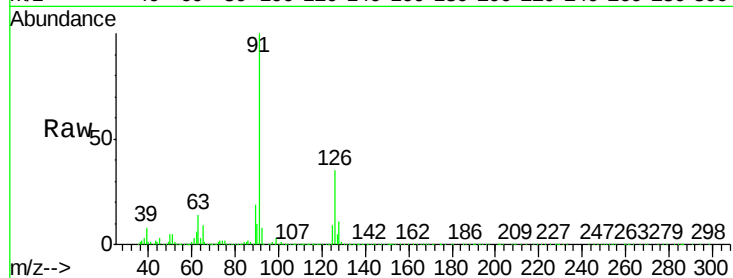
126 35.2 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.317 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014501.D

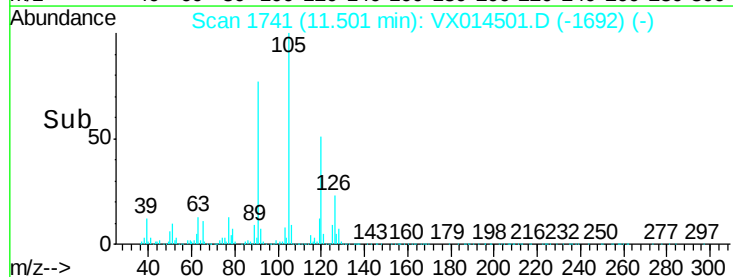
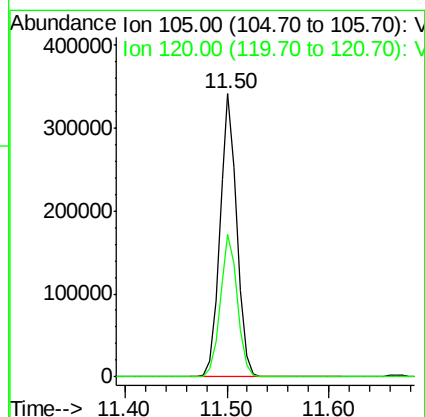
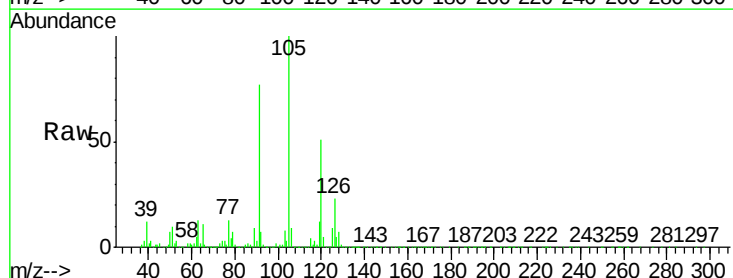
Acq: 09 Jan 2020 17:00

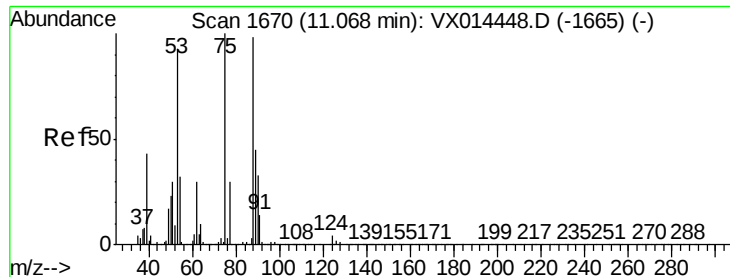
Tgt Ion: 105 Resp: 394776

Ion Ratio Lower Upper

105 100

120 51.0 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.095 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

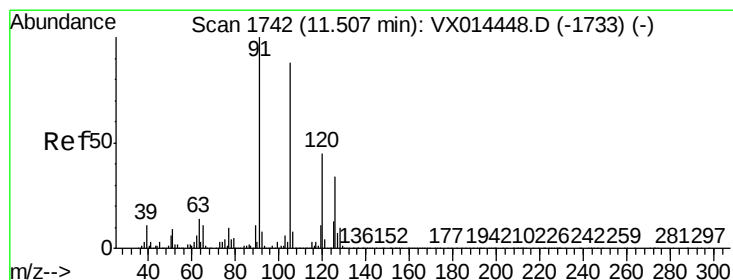
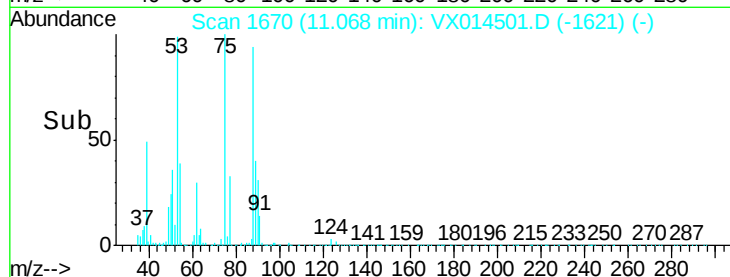
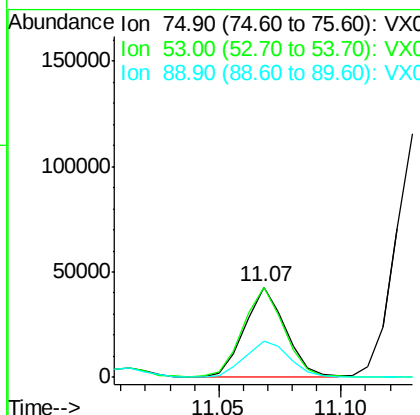
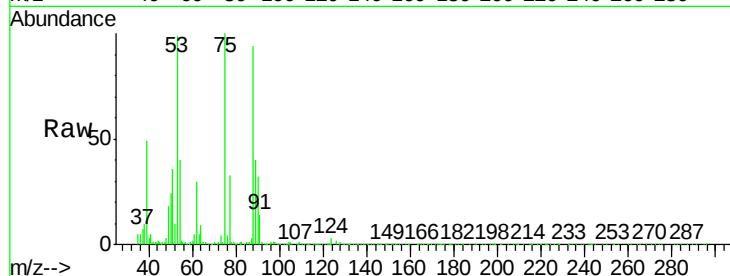
VX0109WBSD02

Tot Ion:	75	Resp:	49805
Ion Ratio	Lower	Upper	
75	100		
53	100.1	74.8	112.2
89	44.2	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.336 ug/l

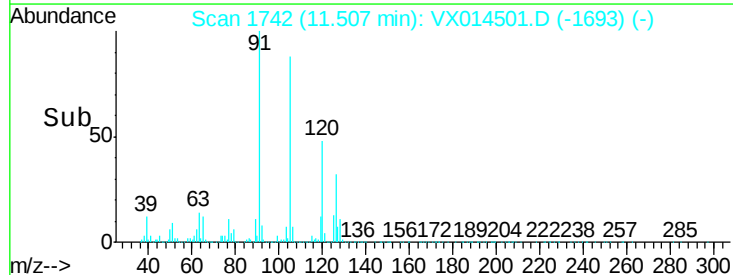
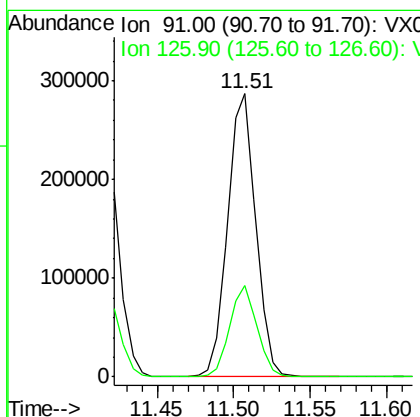
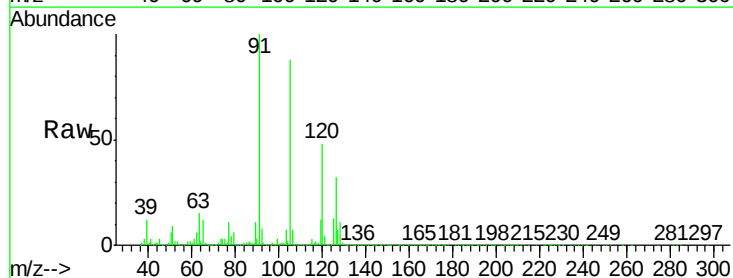
RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion:	91	Resp:	362563
Ion Ratio	Lower	Upper	
91	100		
126	31.4	15.9	47.7





#83

tert-Butylbenzene

Concen: 19.777 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampled :

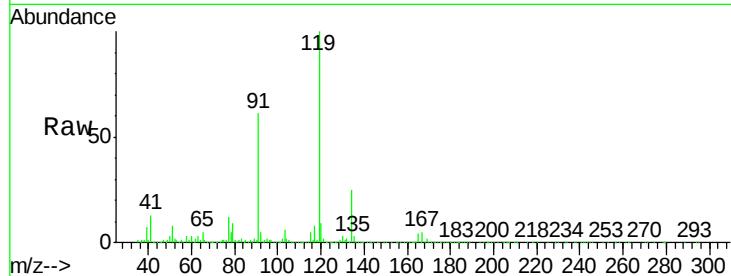
VX0109WBSD02

Tot Ion:	119	Resp:	363099
Ion Ratio	Lower	Upper	
119	100		
91	59.0	29.3	88.0
134	25.0	12.4	37.4

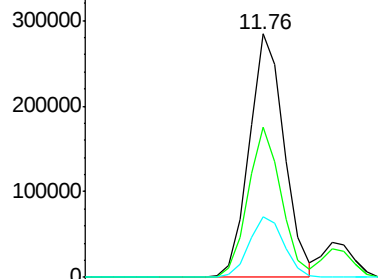
Manual Integrations
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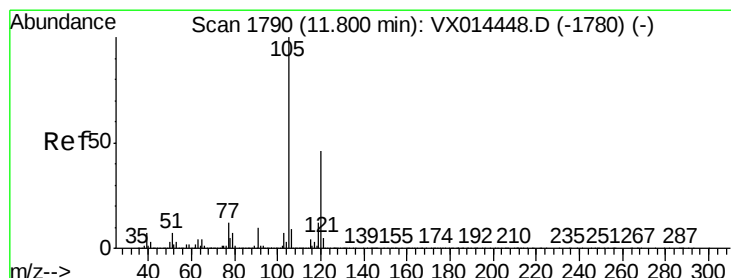
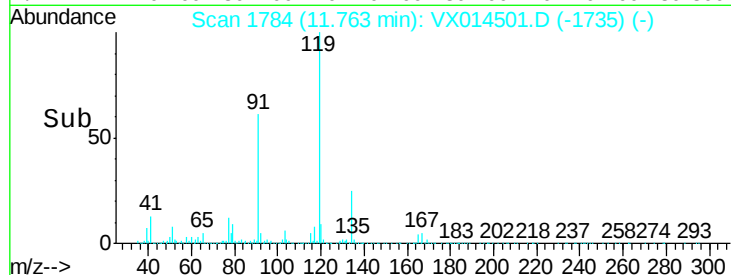
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Abundance Ion 119.00 (118.70 to 119.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 20.401 ug/l

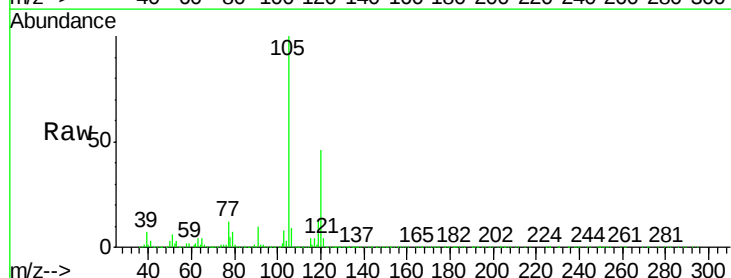
RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

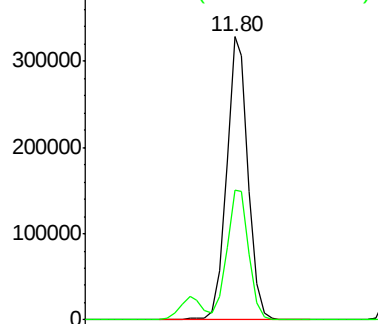
Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

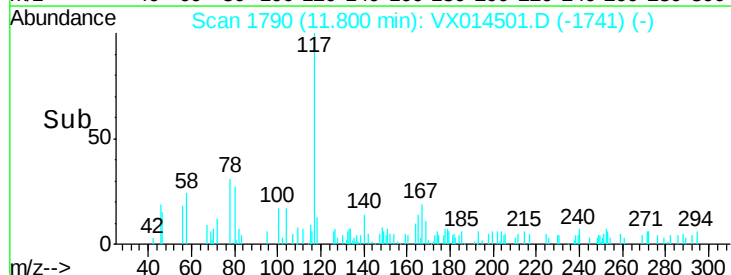
Tgt Ion:	105	Resp:	400547
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.1	69.3

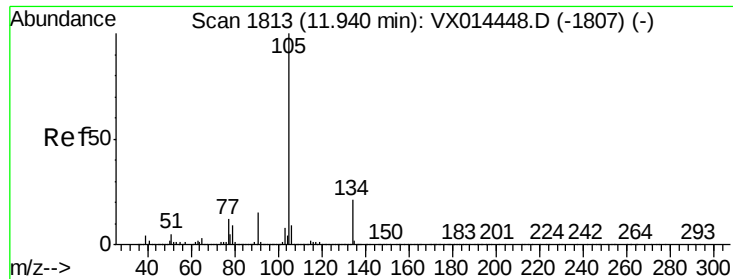


Abundance Ion 105.00 (104.70 to 105.70): V



Time-->





#85

sec-Butylbenzene

Concen: 20.114 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD02

Tot Ion:105 Resp: 459058

Ion Ratio Lower Upper

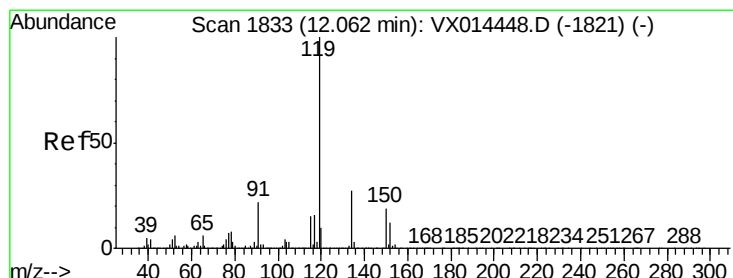
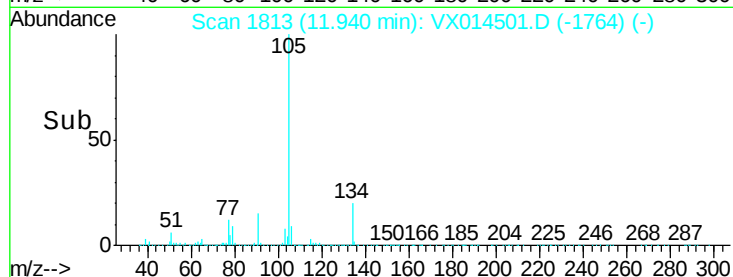
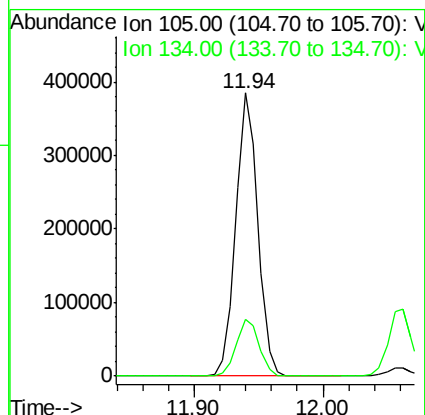
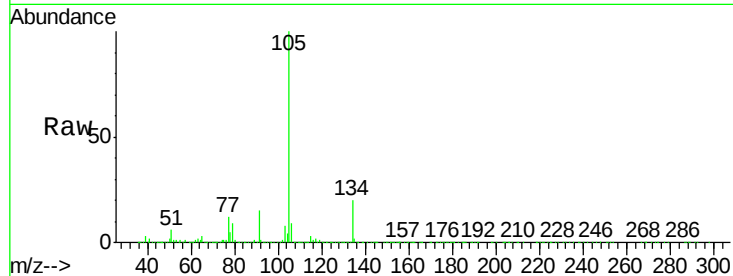
105 100

134 20.9 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 19.820 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

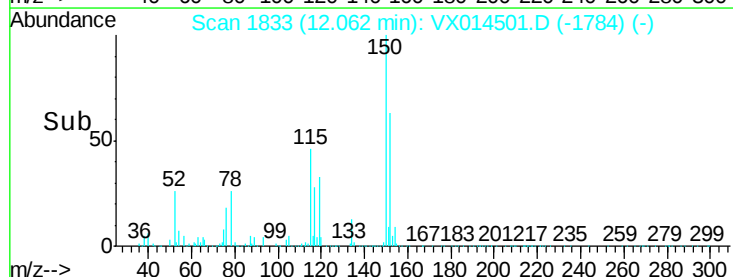
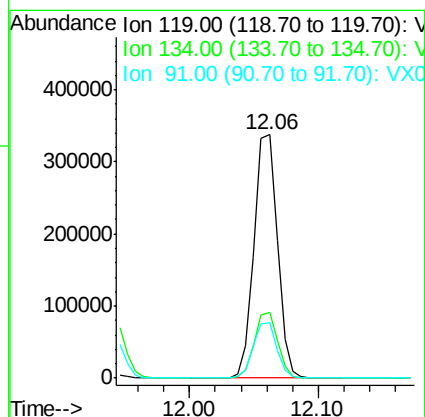
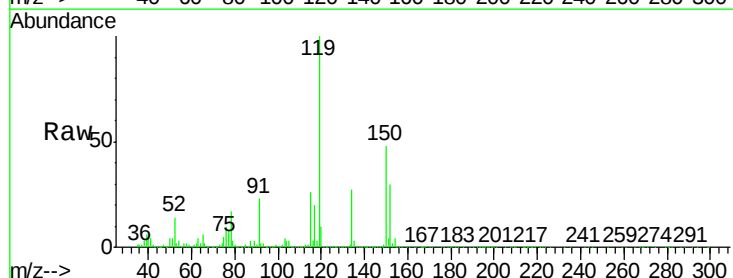
Tgt Ion:119 Resp: 419774

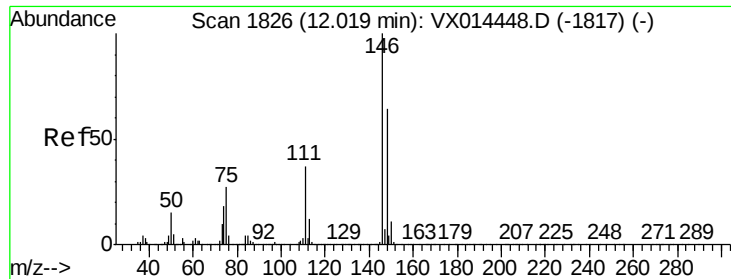
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 22.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 18.936 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Instrument :
MSVOA_X

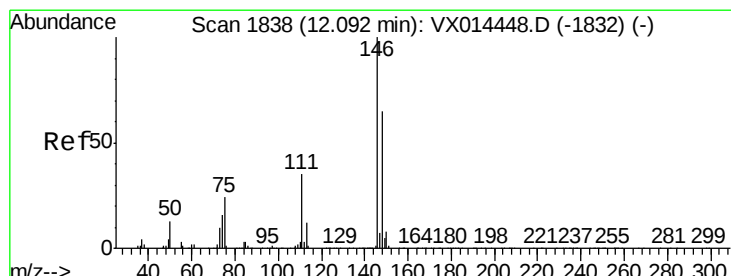
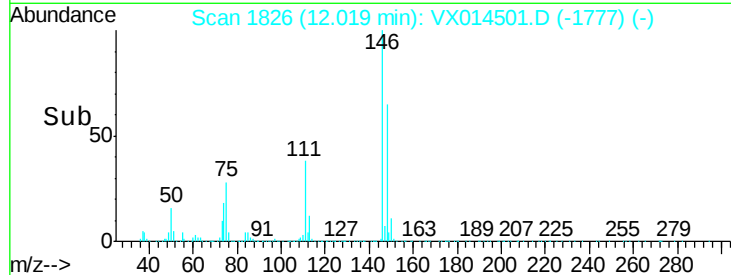
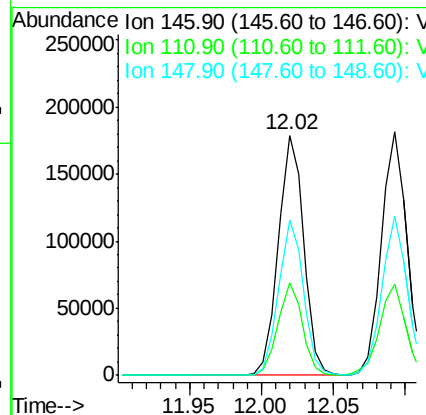
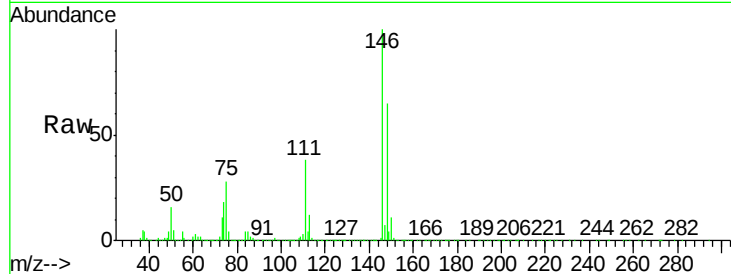
ClientSampleId :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	63.4	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.533 ug/l

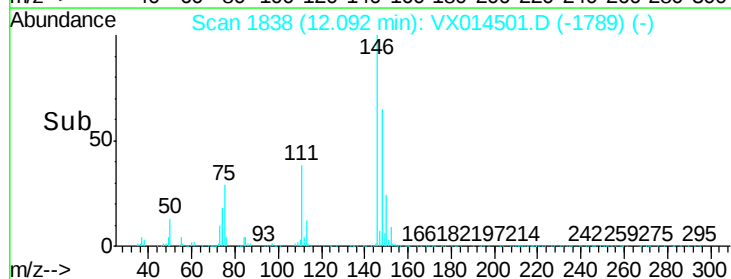
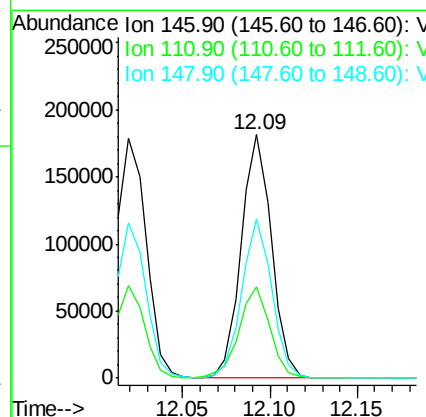
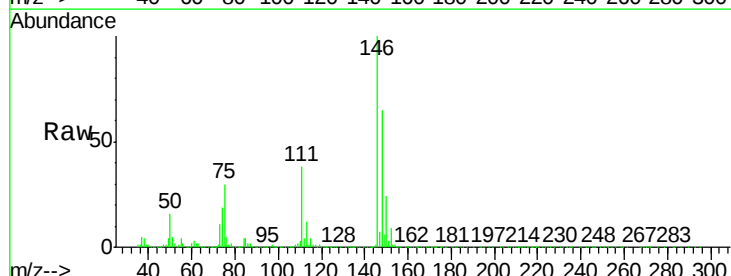
RT: 12.09 min Scan# 1838

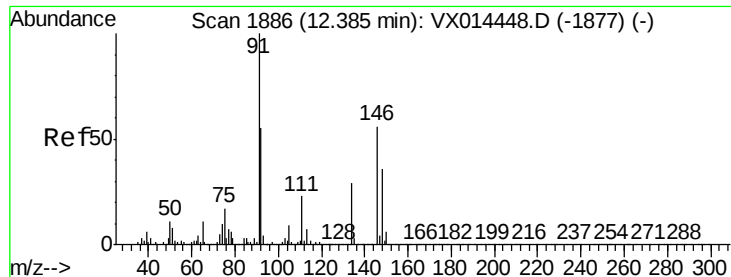
Delta R.T. 0.00 min

Lab File: VX014501.D

Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	65.2	32.1	96.3





#89
n-Butylbenzene
Concen: 18.620 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

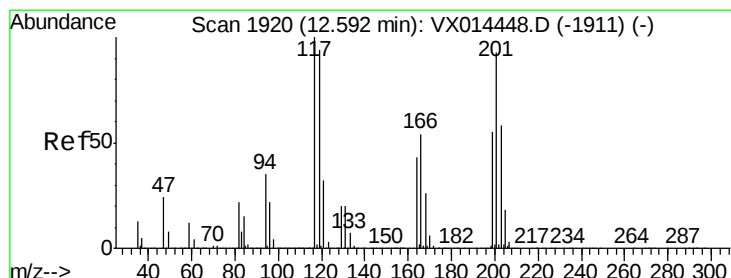
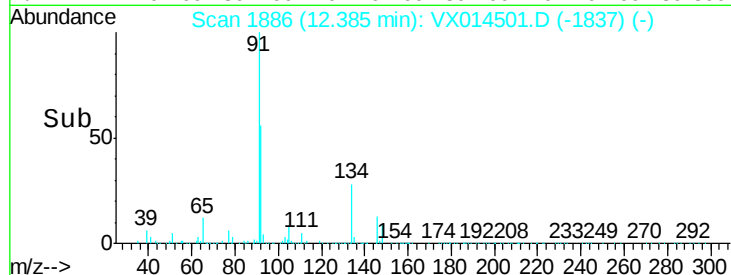
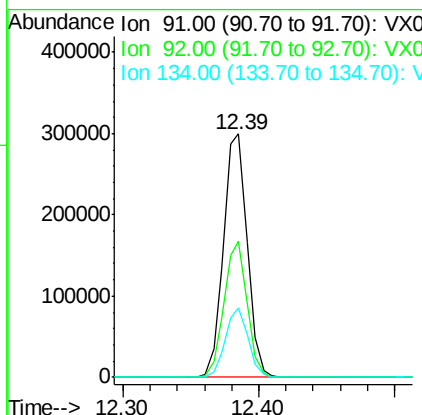
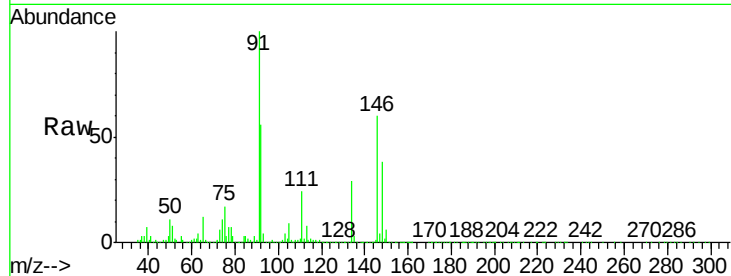
Instrument :
MSVOA_X
ClientSampled :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.2
134	27.6	13.9	41.7

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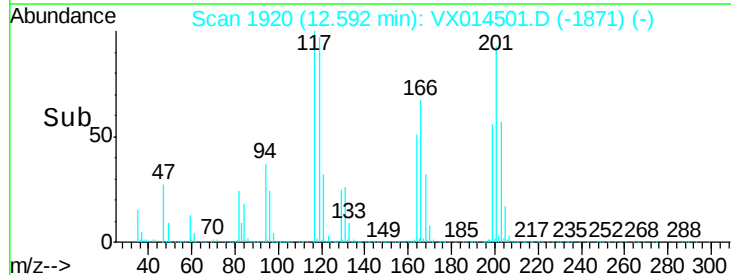
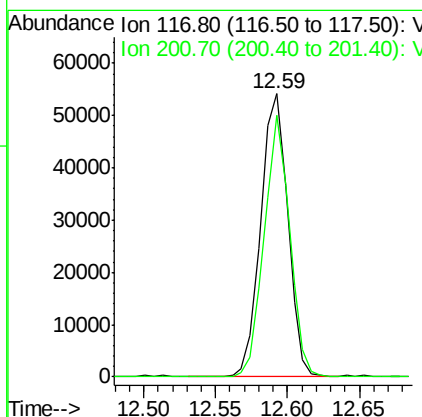
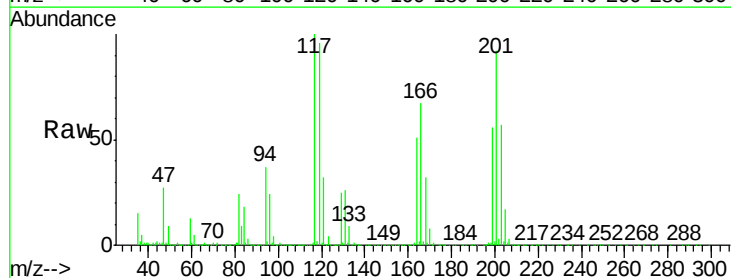
apatel

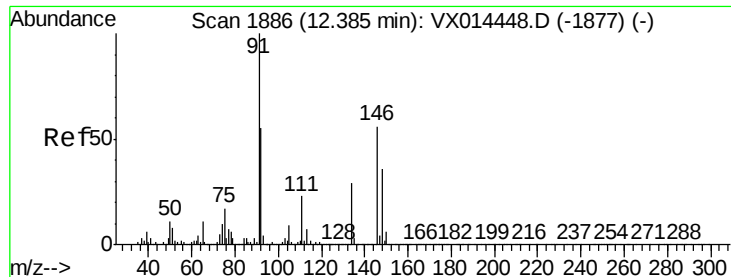
1/10/2020 8:35:07 AM



#90
Hexachloroethane
Concen: 18.909 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	44.8	134.3





#91
 1,2-Dichlorobenzene
 Concen: 19.198 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

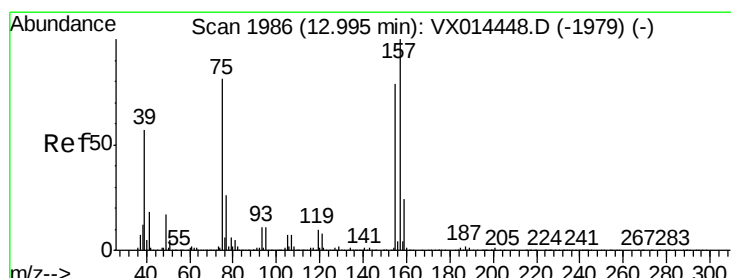
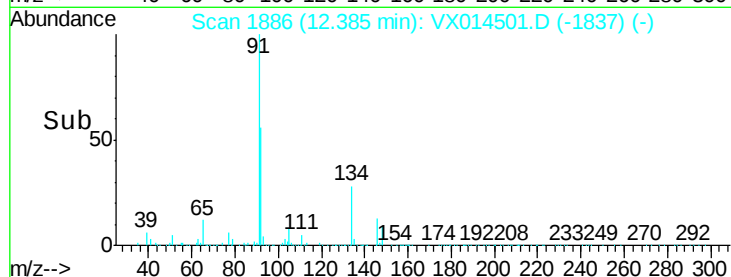
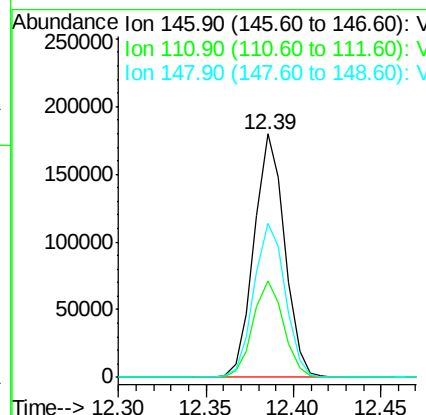
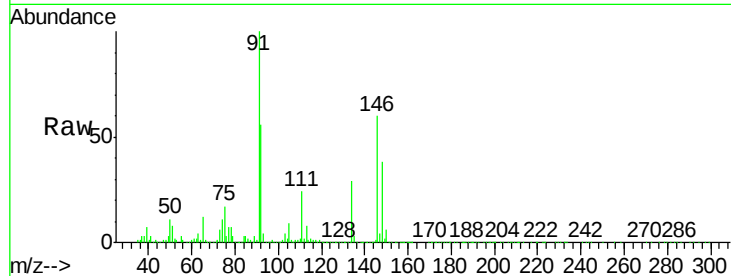
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	65.0	32.3	96.8

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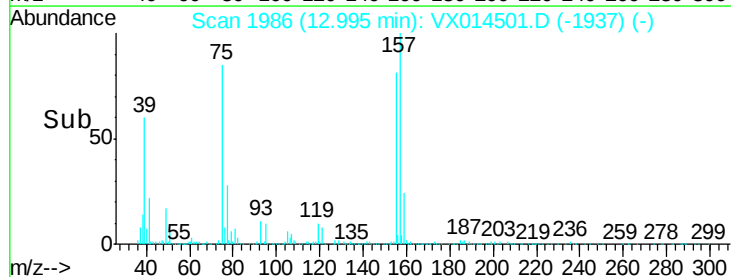
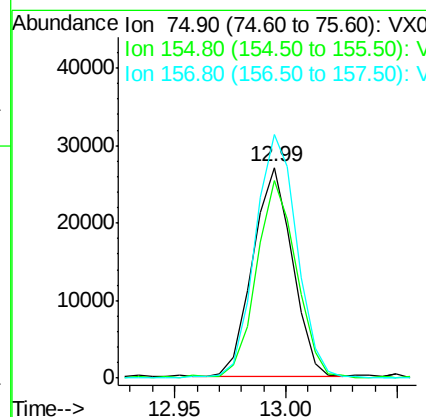
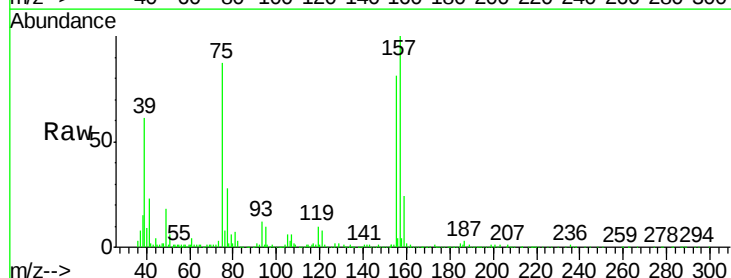
apatel

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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.811 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	48.7	146.1
157	123.6	62.0	185.9





#93
 1,2,4-Trichlorobenzene
 Concen: 19.122 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

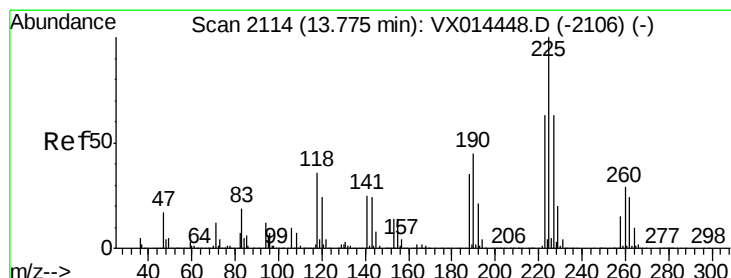
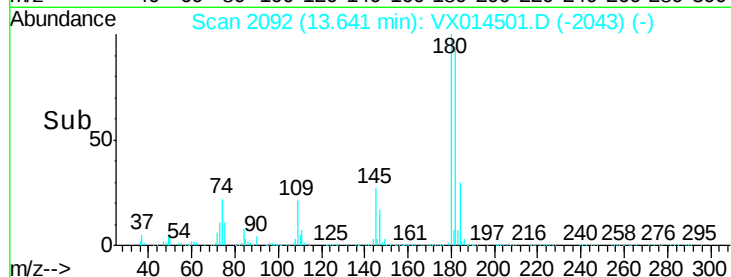
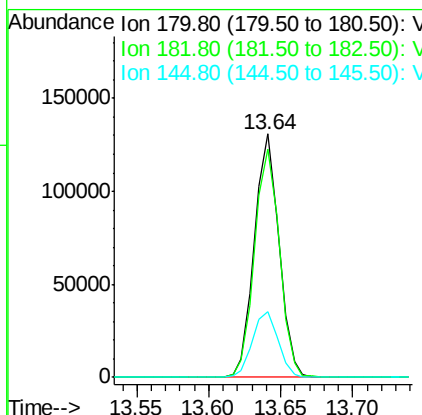
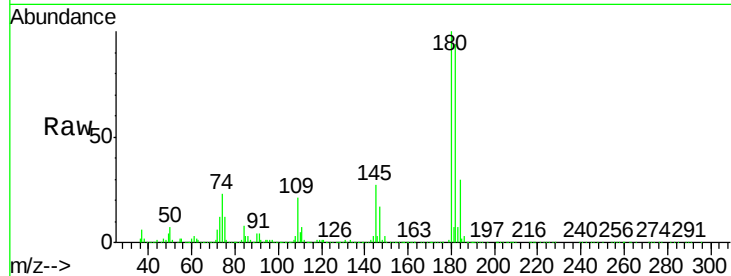
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	153712		
182	94.9	47.5	142.5	
145	28.1	13.9	41.6	

Manual Integrations
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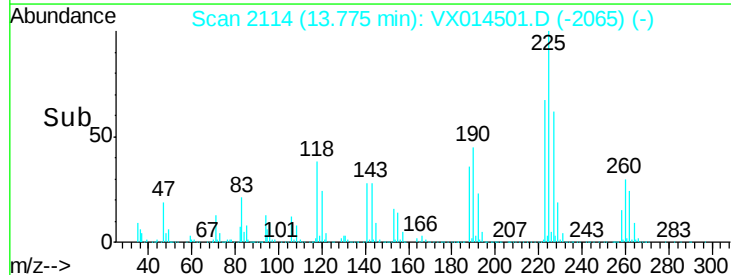
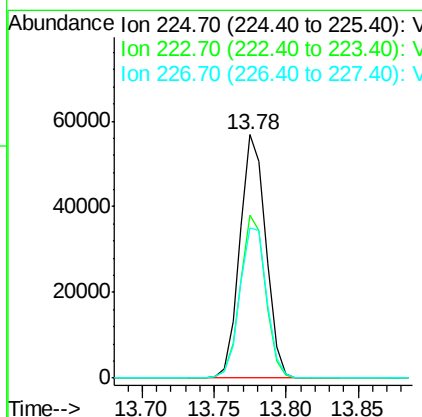
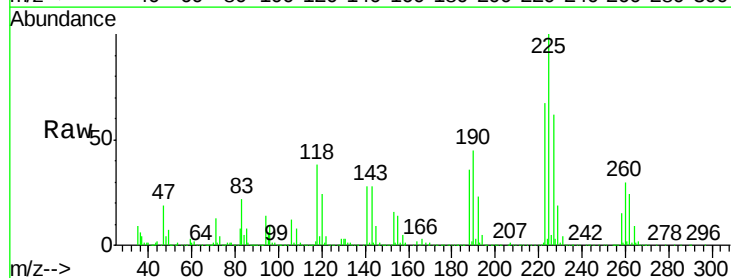
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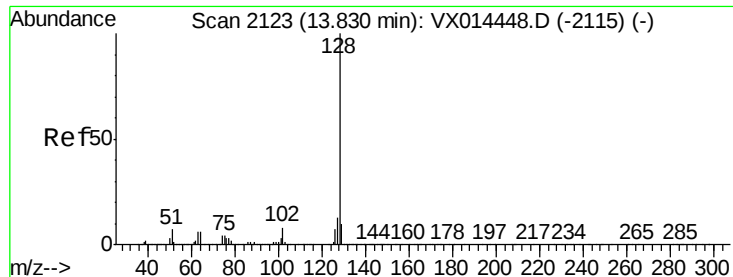
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#94
 Hexachlorobutadiene
 Concen: 18.945 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014501.D
 Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70926		
223	65.1	31.1	93.2	
227	64.2	31.4	94.2	





#95
Naphthalene
Concen: 18.546 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

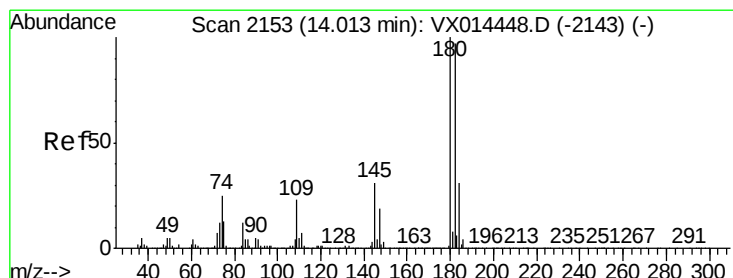
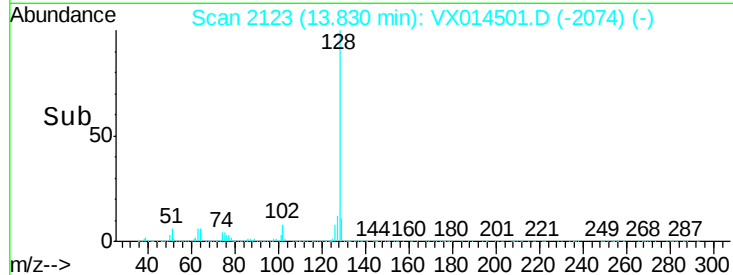
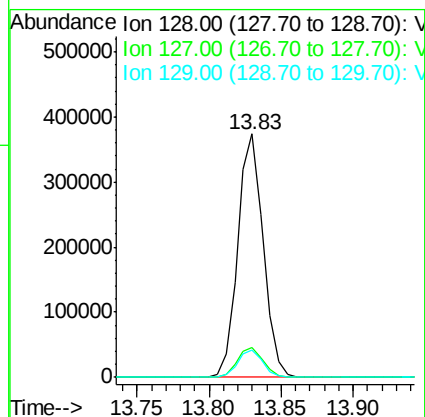
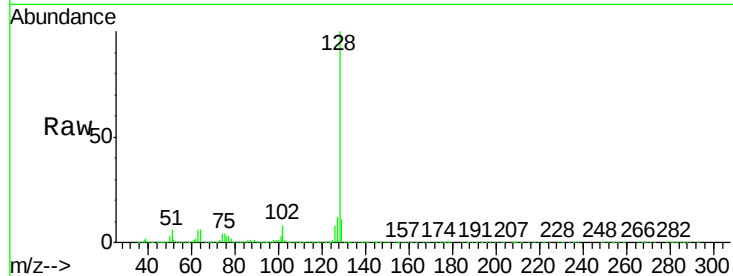
Instrument :
MSVOA_X
ClientSampled :
VX0109WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.493 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014501.D
Acq: 09 Jan 2020 17:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	30.7	14.8	44.3

