

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX093019\
 Data File : VX012698.D
 Acq On : 30 Sep 2019 12:25
 Operator : JC/SP
 Sample : VX0930WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 10:07:39 AM

Quant Time: Oct 01 04:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	324284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	131511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	134937	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	5.48	113	101339	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	8.71	98	380813	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.14	95	145256	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	36134	17.273	ug/l	98
3) Chloromethane	1.32	50	43011	17.906	ug/l	97
4) Vinyl Chloride	1.40	62	42632	17.856	ug/l	95
5) Bromomethane	1.63	94	19442	20.711	ug/l	94
6) Chloroethane	1.72	64	28445	17.672	ug/l	96
7) Trichlorofluoromethane	1.92	101	61249	18.271	ug/l	96
8) Diethyl Ether	2.18	74	25978	18.910	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37489	18.361	ug/l	97
10) Methyl Iodide	2.50	142	30608	17.773	ug/l	94
11) Tert butyl alcohol	3.03	59	68499	101.266	ug/l	97
12) 1,1-Dichloroethene	2.36	96	37449	18.731	ug/l	97
13) Acrolein	2.28	56	36503	103.141	ug/l	98
14) Allyl chloride	2.72	41	73194	18.452	ug/l	98
15) Acrylonitrile	3.13	53	129438	94.320	ug/l	98
16) Acetone	2.43	43	121098	84.432	ug/l	99
17) Carbon Disulfide	2.56	76	97657	17.423	ug/l	100
18) Methyl Acetate	2.76	43	63399	18.772	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	142875	18.880	ug/l	99
20) Methylene Chloride	2.84	84	44930	18.521	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	41603	18.783	ug/l	98
22) Diisopropyl ether	3.84	45	145477	18.980	ug/l	99
23) Vinyl Acetate	3.80	43	629217	93.613	ug/l	98
24) 1,1-Dichloroethane	3.69	63	78200	18.770	ug/l	98
25) 2-Butanone	4.66	43	184072	89.506	ug/l	95
26) 2,2-Dichloropropane	4.57	77	67231	18.144	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	47874	18.628	ug/l	95
28) Bromochloromethane	5.00	49	29278	19.354	ug/l	97
29) Tetrahydrofuran	5.12	42	117105	93.425	ug/l	98
30) Chloroform	5.20	83	80232	18.823	ug/l	99
31) Cyclohexane	5.57	56	70512	18.708	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	70356	18.624	ug/l	99
36) 1,1-Dichloropropene	5.79	75	59262	18.959	ug/l	98
37) Ethyl Acetate	4.82	43	68077	18.629	ug/l	97
38) Carbon Tetrachloride	5.78	117	59844	18.847	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70059	18.618	ug/l	97
40) Benzene	6.13	78	176051	19.143	ug/l	99
41) Methacrylonitrile	5.03	41	36863	17.979	ug/l	96
42) 1,2-Dichloroethane	6.18	62	66000	18.898	ug/l	98
43) Isopropyl Acetate	6.43	43	112233	18.365	ug/l	97
44) Trichloroethene	7.21	130	45085	19.176	ug/l	95
45) 1,2-Dichloropropane	7.51	63	45209	19.200	ug/l	98
46) Dibromomethane	7.66	93	30113	18.784	ug/l	95
47) Bromodichloromethane	7.89	83	59834	18.674	ug/l	99
48) Methyl methacrylate	7.76	41	54159	18.482	ug/l	93
49) 1,4-Dioxane	7.73	88	26180	393.898	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	356452	94.491	ug/l	97
52) Toluene	8.78	92	111491	19.288	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	66738	18.826	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	72417	18.709	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45087	19.619	ug/l	97
56) Ethyl methacrylate	9.17	69	73043	18.919	ug/l	94
57) 1,3-Dichloropropane	9.37	76	78102	19.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	174581	100.739	ug/l	98
59) 2-Hexanone	9.49	43	269673	93.394	ug/l	96
60) Dibromochloromethane	9.57	129	45608	19.605	ug/l	97
61) 1,2-Dibromoethane	9.67	107	46081	19.267	ug/l	99
64) Tetrachloroethene	9.33	164	40050	19.599	ug/l	91
65) Chlorobenzene	10.14	112	115408	18.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	42544	19.025	ug/l	98
67) Ethyl Benzene	10.25	91	210662	18.819	ug/l	99
68) m/p-Xylenes	10.35	106	157469	37.552	ug/l	99
69) o-Xylene	10.70	106	76539	18.863	ug/l	98
70) Styrene	10.71	104	128973	18.960	ug/l	99
71) Bromoform	10.85	173	29520	18.958	ug/l #	98
73) Isopropylbenzene	11.01	105	208097	19.428	ug/l	100
74) N-amyl acetate	10.89	43	94673	18.527	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	66919	18.864	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	66655m	19.160	ug/l	
77) Bromobenzene	11.25	156	46135	19.031	ug/l	100
78) n-propylbenzene	11.35	91	222379	18.441	ug/l	100
79) 2-Chlorotoluene	11.42	91	140144	18.630	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	172297	19.182	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21278	17.528	ug/l	99
82) 4-Chlorotoluene	11.51	91	160574	18.725	ug/l	98
83) tert-Butylbenzene	11.76	119	167081	19.283	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	173539	19.152	ug/l	99
85) sec-Butylbenzene	11.94	105	194984	19.348	ug/l	100
86) p-Isopropyltoluene	12.06	119	176636	19.425	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81764	18.742	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	82620	18.741	ug/l	98
89) n-Butylbenzene	12.38	91	144216	17.998	ug/l	99
90) Hexachloroethane	12.59	117	30351	18.722	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	82704	18.935	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16722	18.845	ug/l	95

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ClientSampleId :
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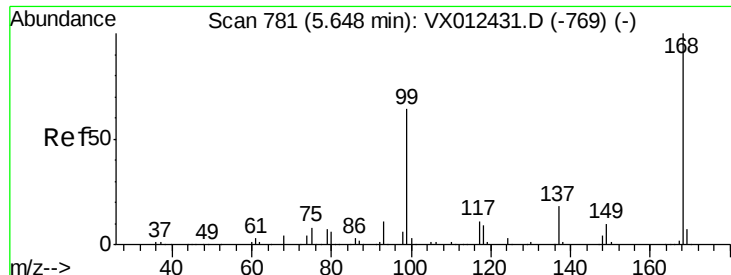
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48057	18.042	ug/l	99
94) Hexachlorobutadiene	13.77	225	22524	19.656	ug/l	99
95) Naphthalene	13.83	128	178792	18.552	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	50672	18.991	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion:168 Resp: 185951

Ion Ratio Lower Upper

168 100

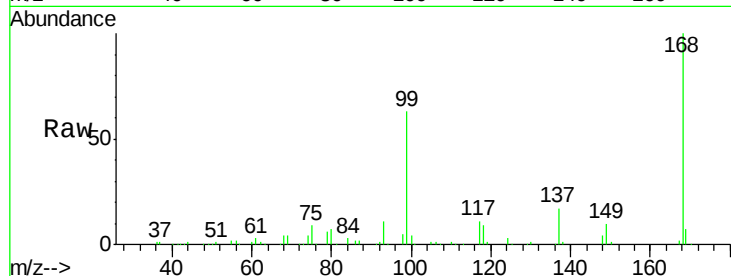
99 62.6 51.4 77.2

Manual Integrations

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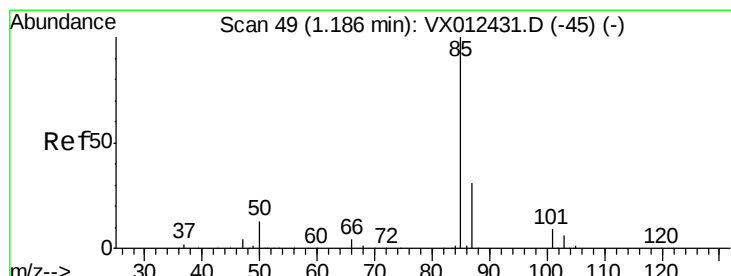
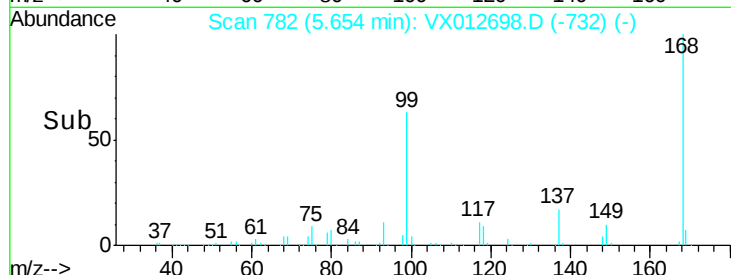
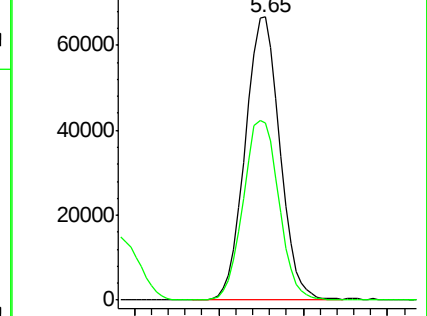
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.273 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012698.D

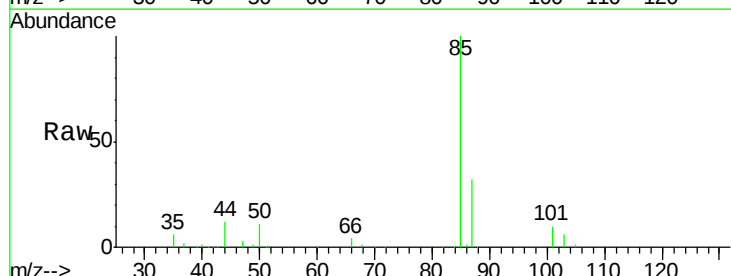
Acq: 30 Sep 2019 12:25

Tgt Ion: 85 Resp: 36134

Ion Ratio Lower Upper

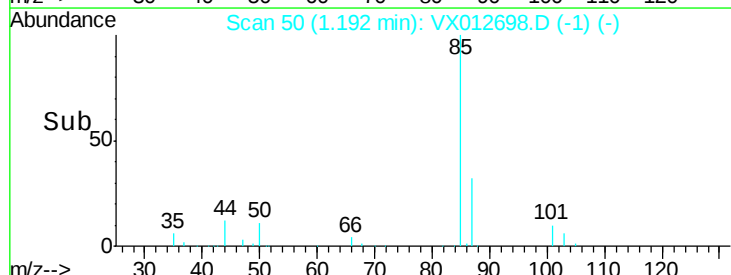
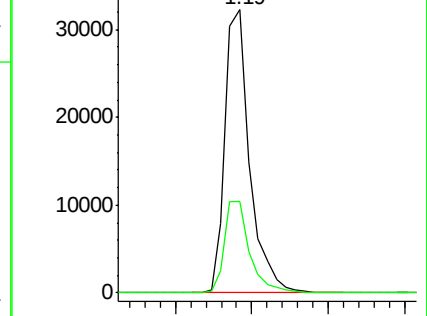
85 100

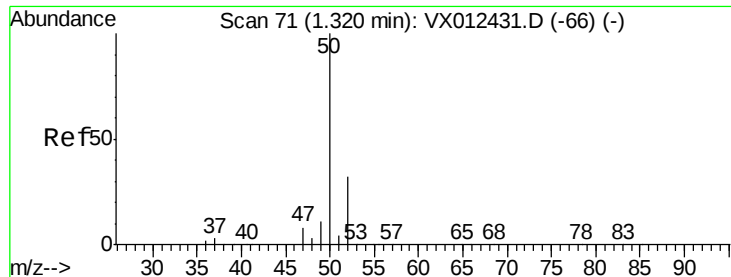
87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.906 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 50 Resp: 43011

Ion Ratio Lower Upper

50 100

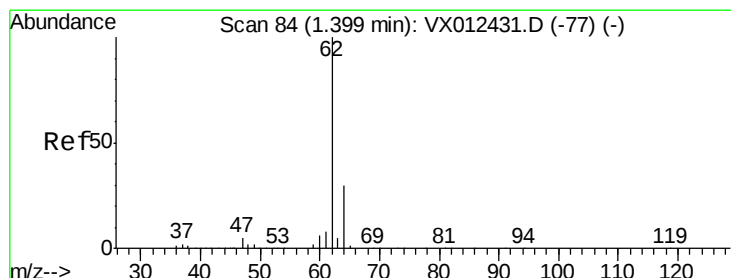
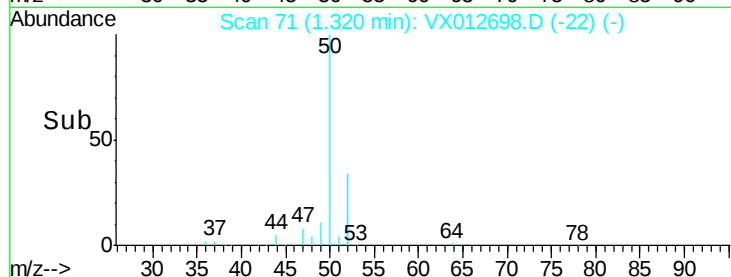
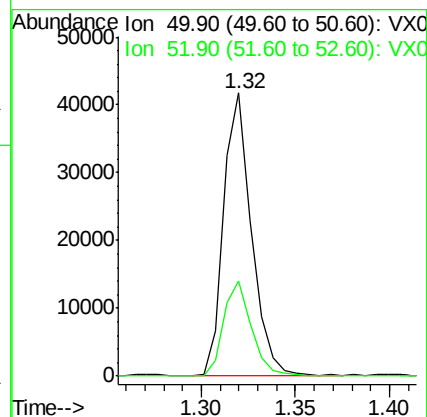
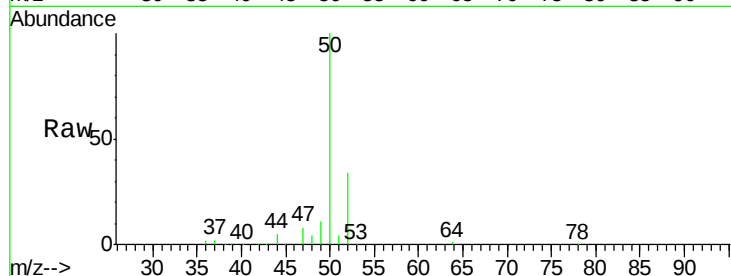
52 33.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.856 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012698.D

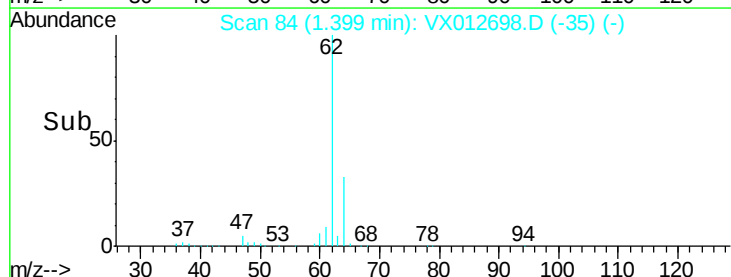
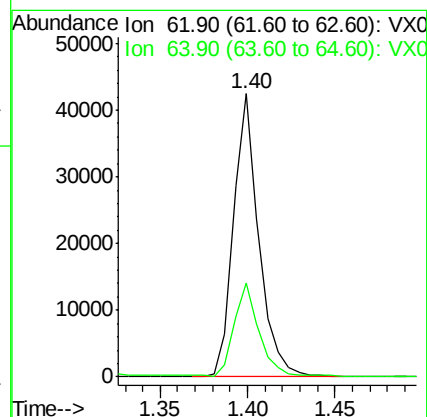
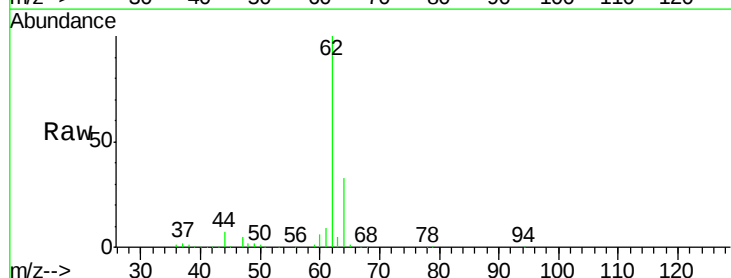
Acq: 30 Sep 2019 12:25

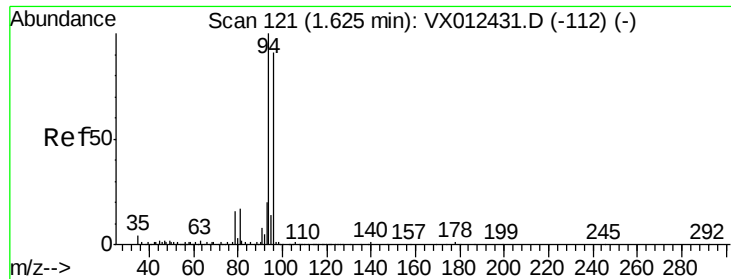
Tgt Ion: 62 Resp: 42632

Ion Ratio Lower Upper

62 100

64 32.9 24.2 36.2





#5

Bromomethane

Concen: 20.711 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 94 Resp: 19442

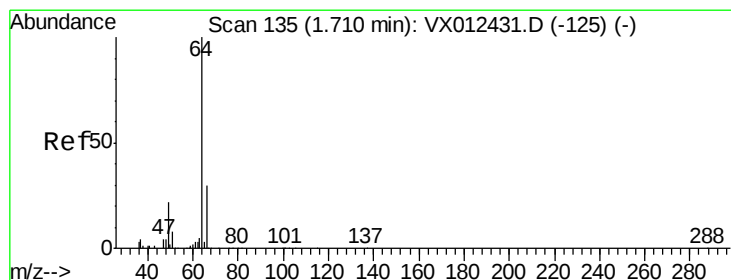
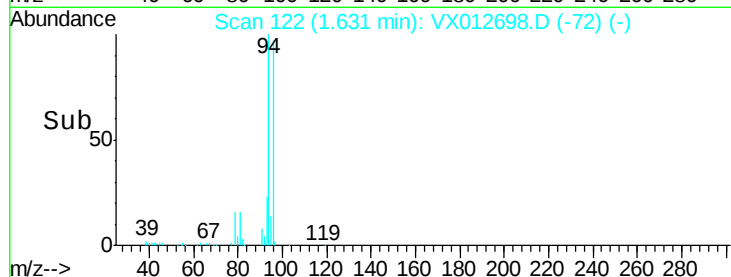
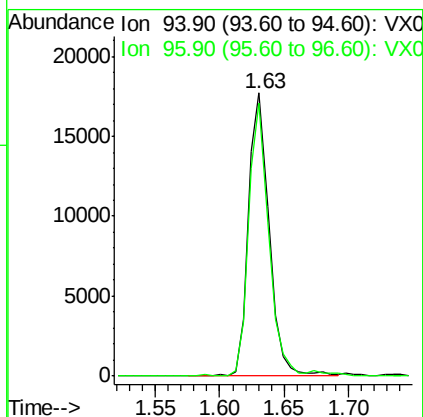
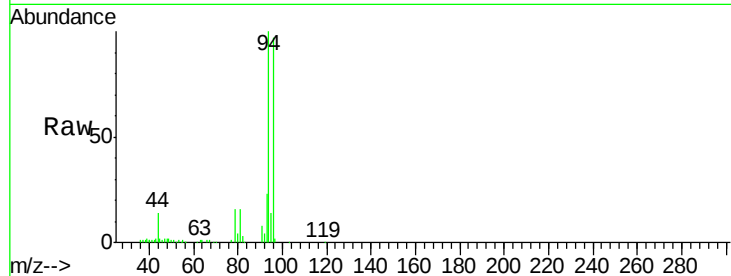
Ion Ratio Lower Upper

94 100

96 96.2 72.8 109.2

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#6

Chloroethane

Concen: 17.672 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012698.D

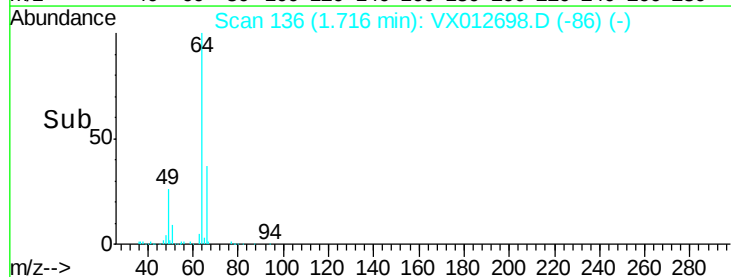
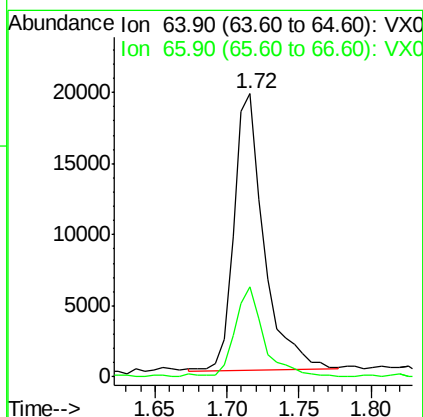
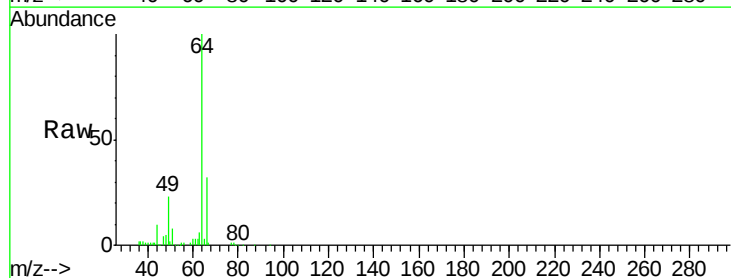
Acq: 30 Sep 2019 12:25

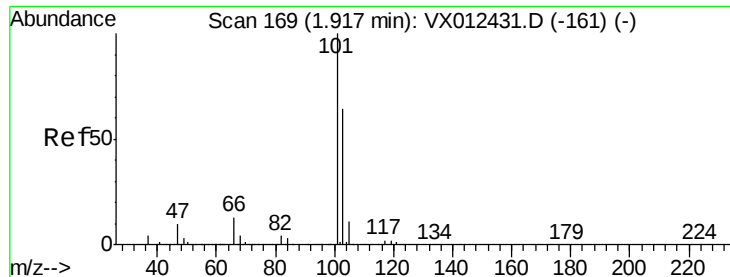
Tgt Ion: 64 Resp: 28445

Ion Ratio Lower Upper

64 100

66 32.4 24.0 36.0





#7

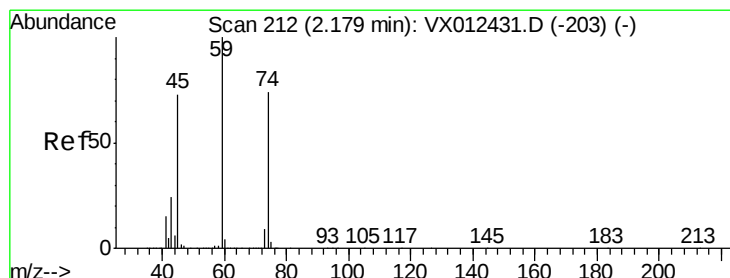
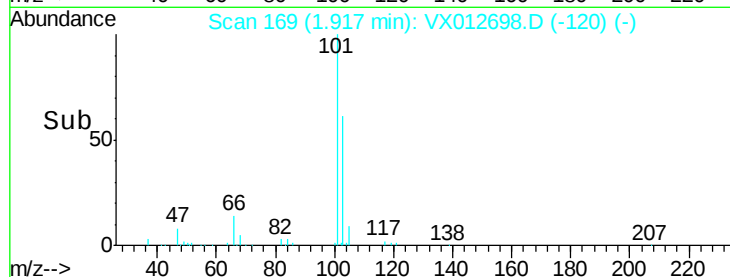
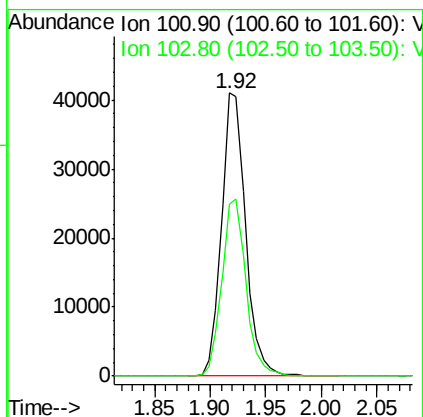
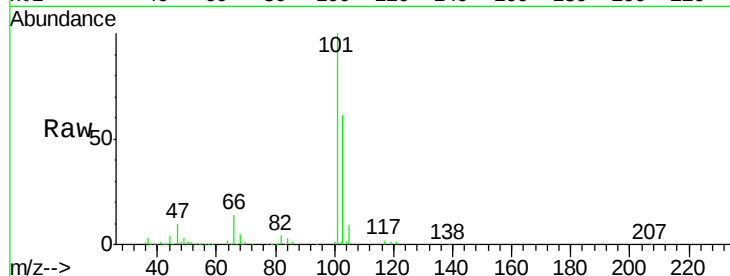
Trichlorofluoromethane
Concen: 18.271 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

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ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.0	76.4

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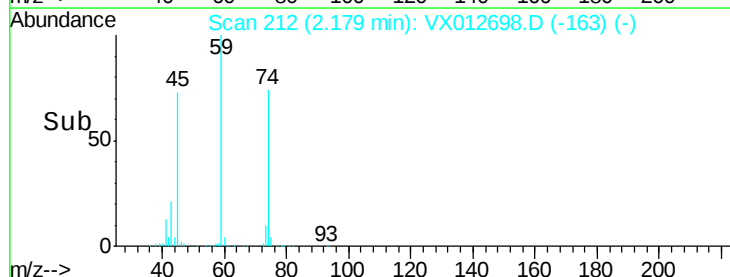
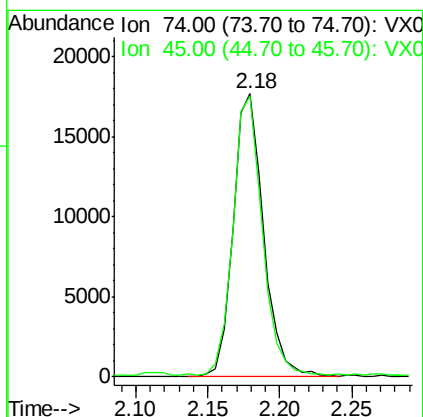
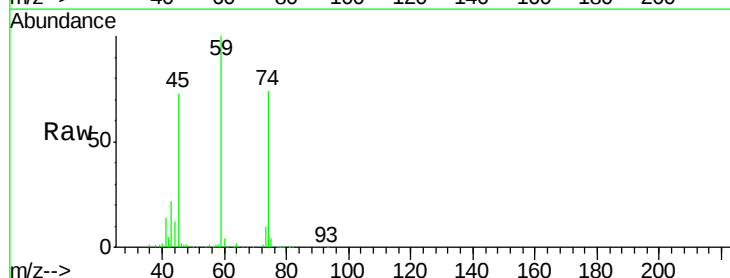
MMDadoda
10/1/2019 10:07:39 AM

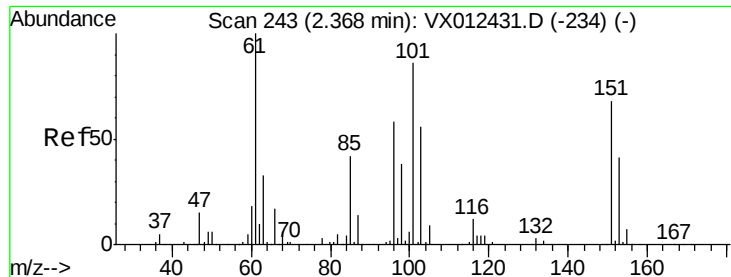


#8

Diethyl Ether
Concen: 18.910 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.361 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

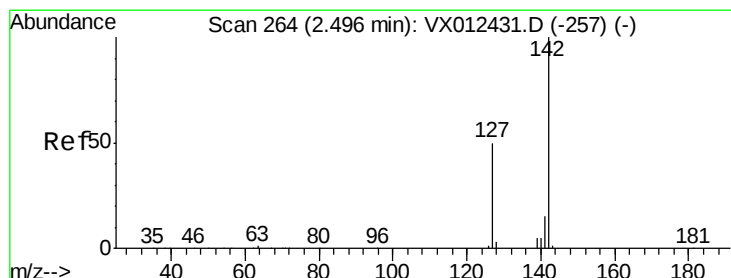
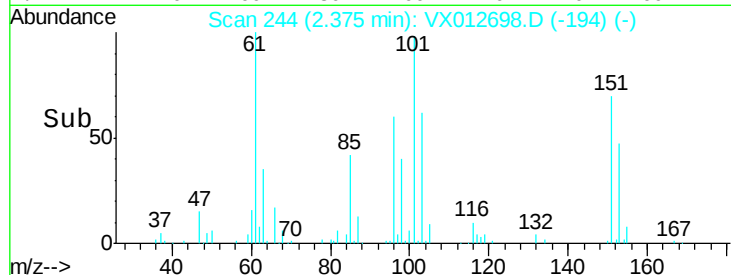
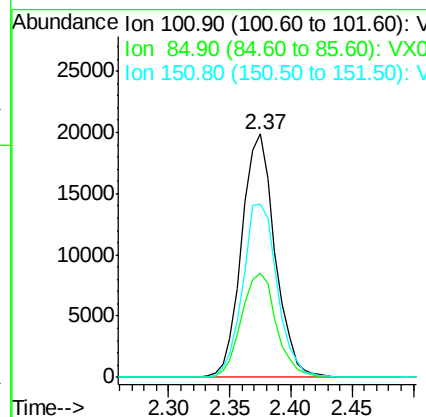
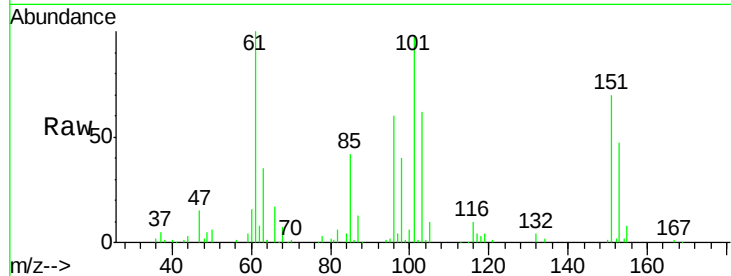
ClientSampleId :

VX0930WBS01

Tot Ion:	101	Resp:	37489
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.3	55.9
151	73.9	61.0	91.4

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#10

Methyl Iodide

Concen: 17.773 ug/l

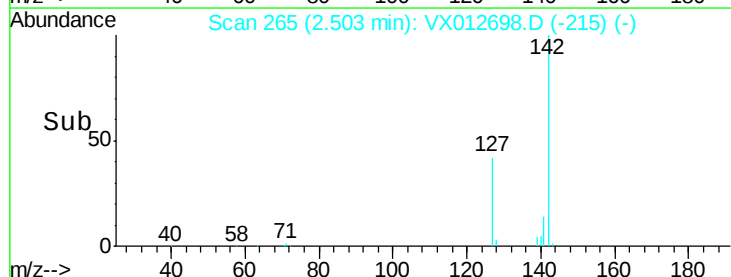
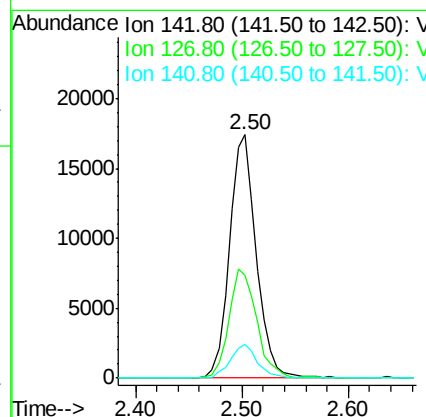
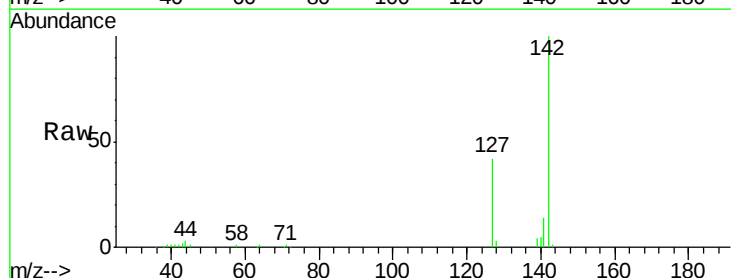
RT: 2.50 min Scan# 265

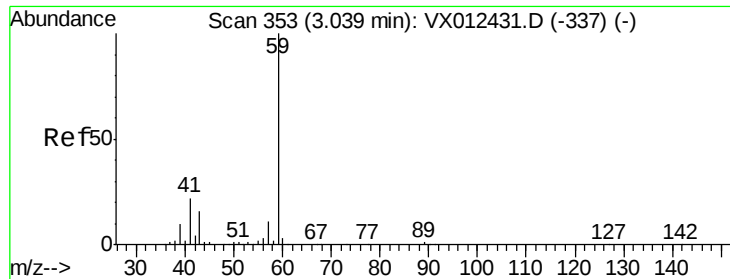
Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion:	142	Resp:	30608
Ion Ratio	Lower	Upper	
142	100		
127	46.2	40.8	61.2
141	13.8	12.1	18.1





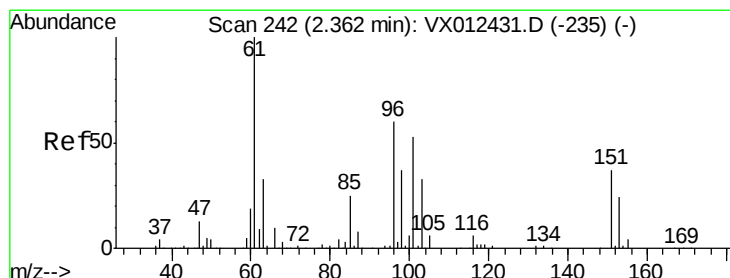
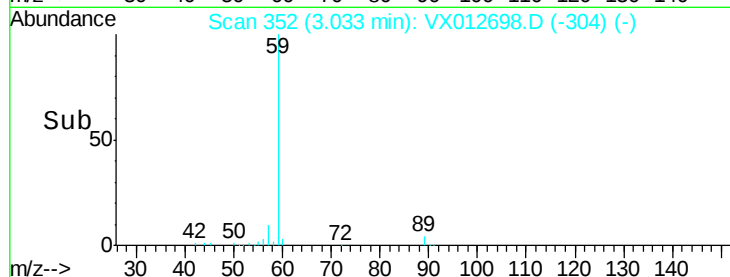
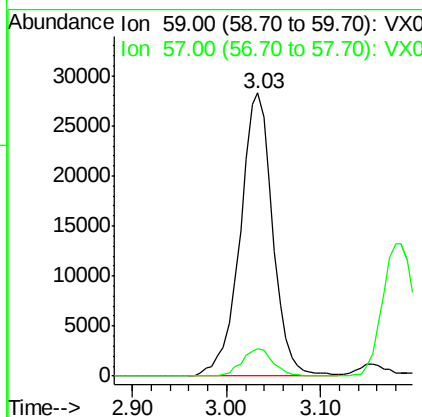
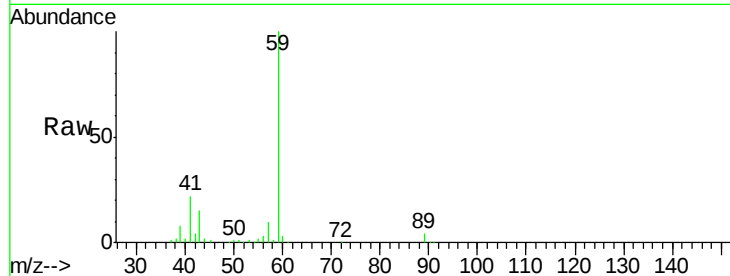
#11
Tert butyl alcohol
Concen: 101.266 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.3	12.5

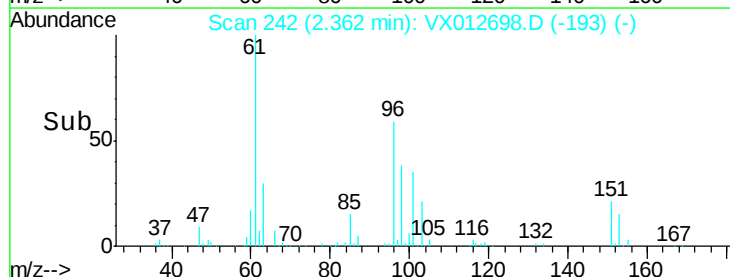
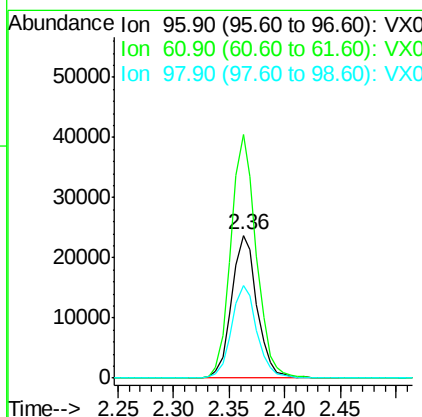
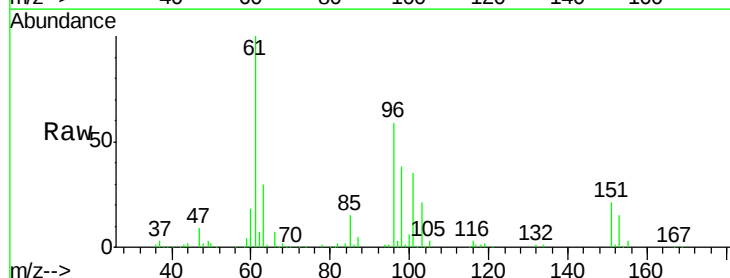
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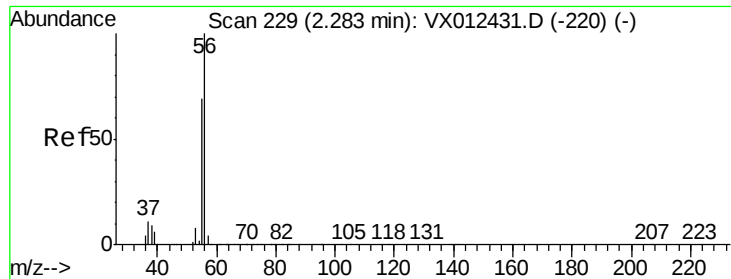
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#12
1,1-Dichloroethene
Concen: 18.731 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	133.8	200.6
98	64.4	49.9	74.9





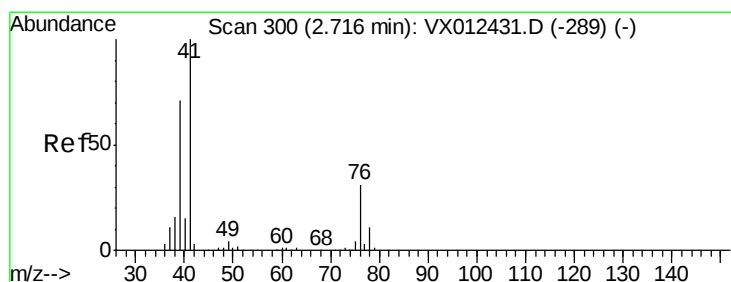
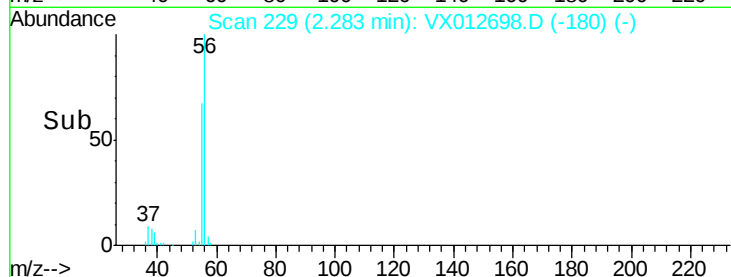
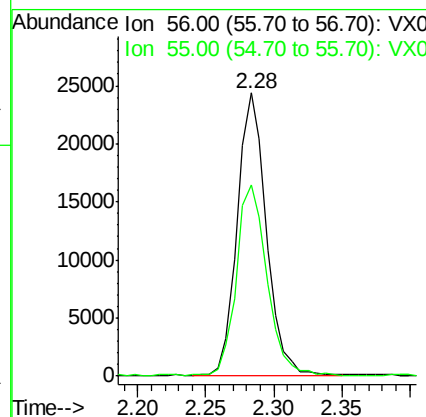
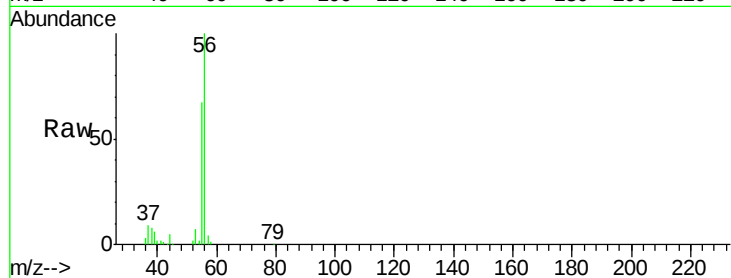
#13
Acrolein
Concen: 103.141 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	55.8	83.8

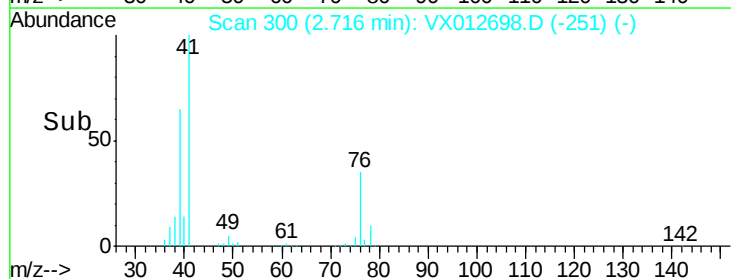
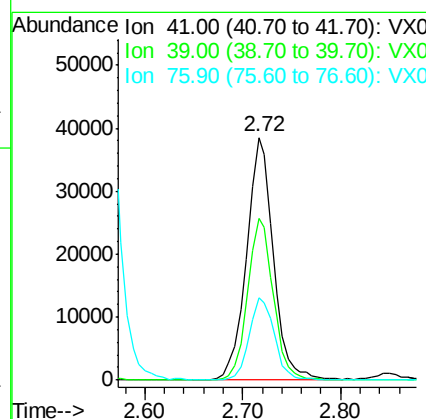
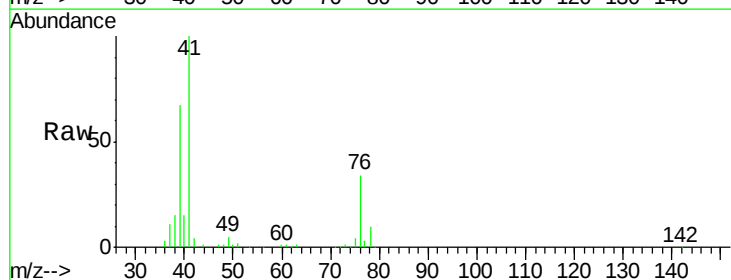
Manual Integrations
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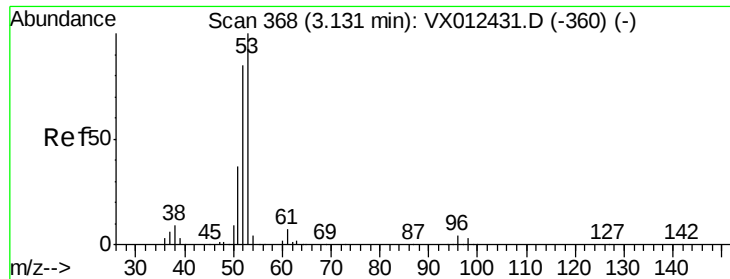
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#14
Allyl chloride
Concen: 18.452 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.4	51.3	76.9
76	31.7	22.6	33.8





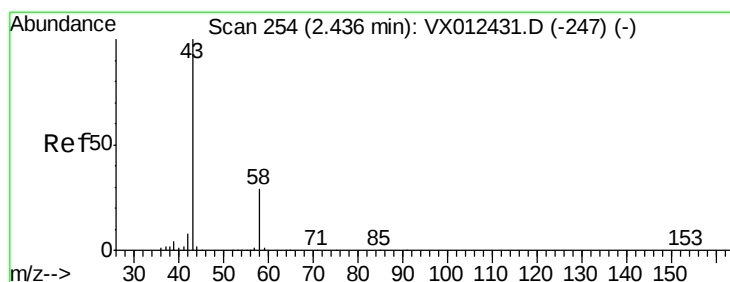
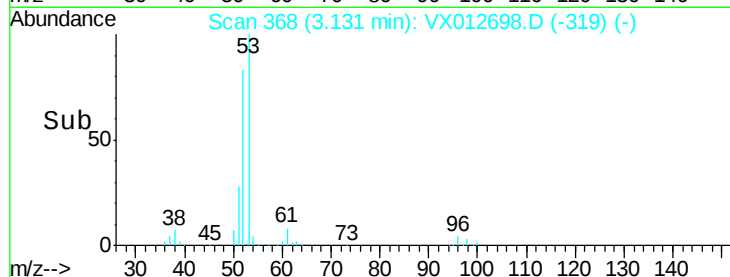
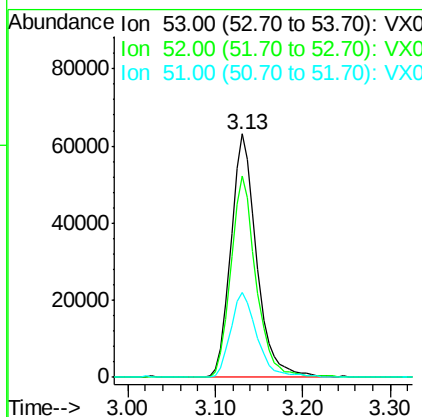
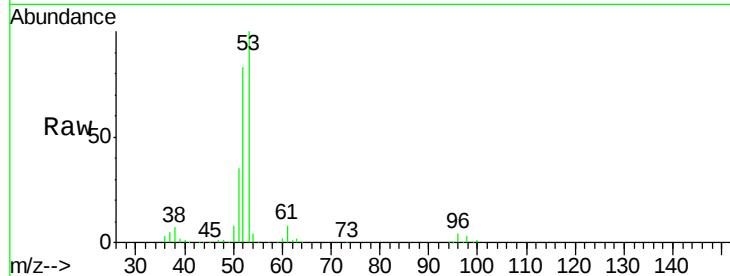
#15
 Acrylonitrile
 Concen: 94.320 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.0	100.4
51	36.0	29.6	44.4

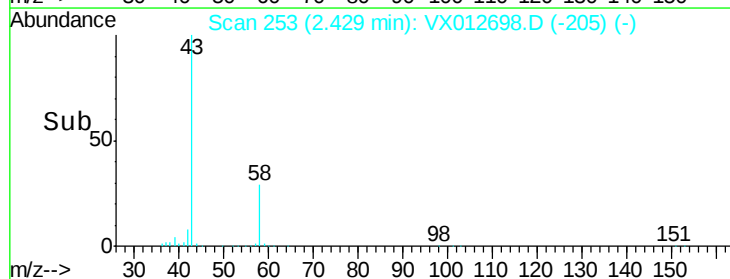
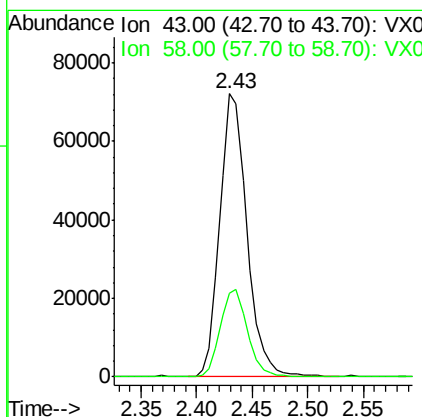
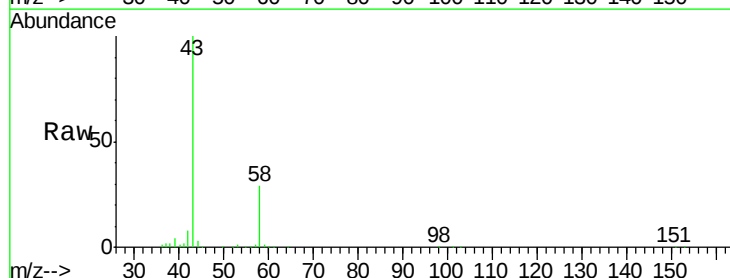
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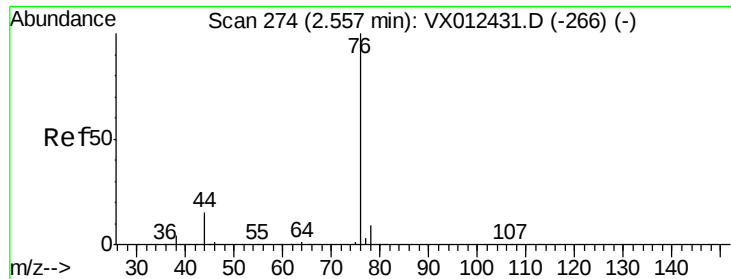
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#16
 Acetone
 Concen: 84.432 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.3	34.9





#17

Carbon Disulfide

Concen: 17.423 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 76 Resp: 97657

Ion Ratio Lower Upper

76 100

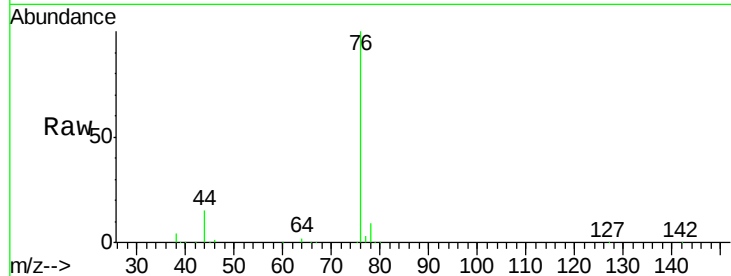
78 9.0 7.3 10.9

Manual Integrations

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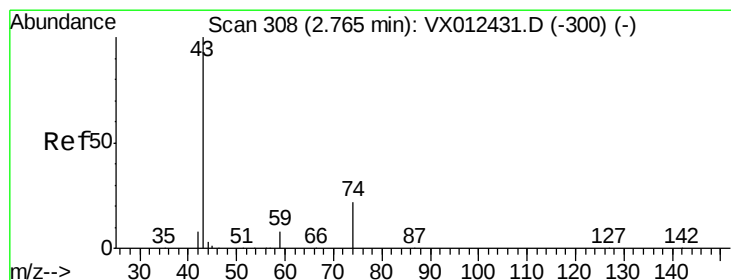
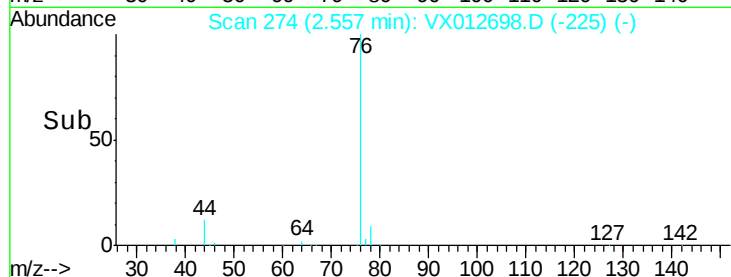
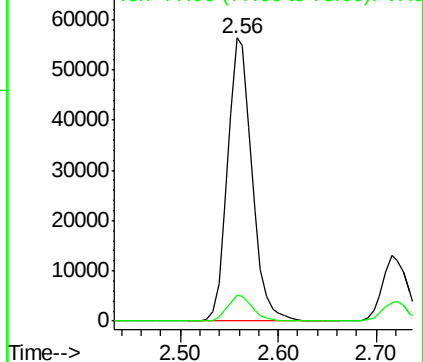
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.772 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012698.D

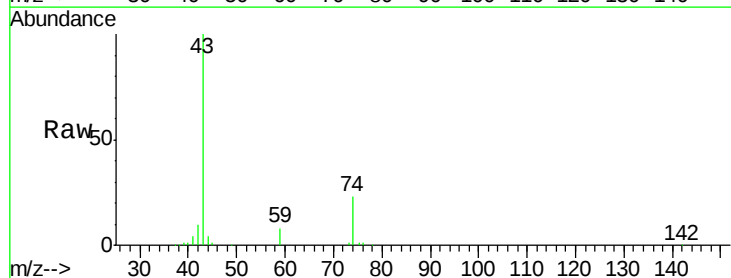
Acq: 30 Sep 2019 12:25

Tgt Ion: 43 Resp: 63399

Ion Ratio Lower Upper

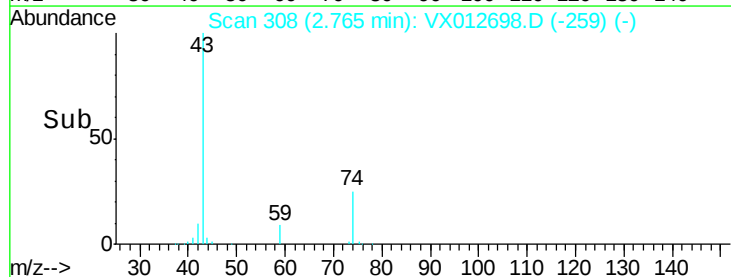
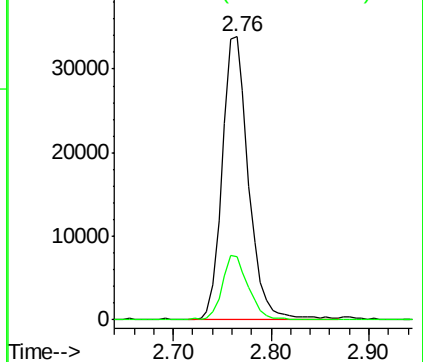
43 100

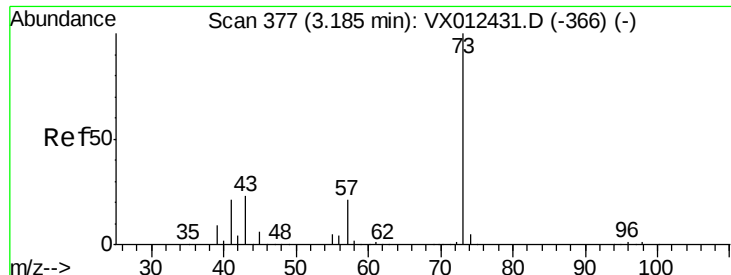
74 22.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





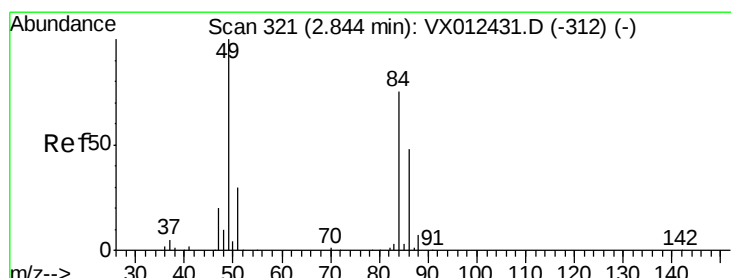
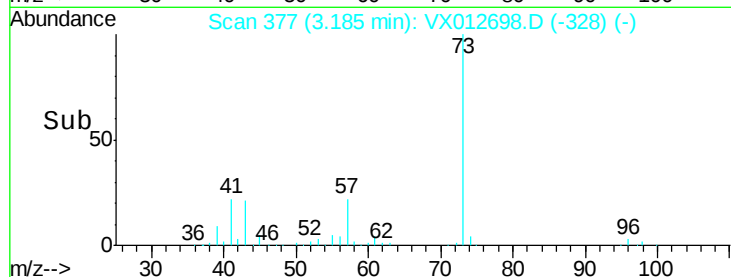
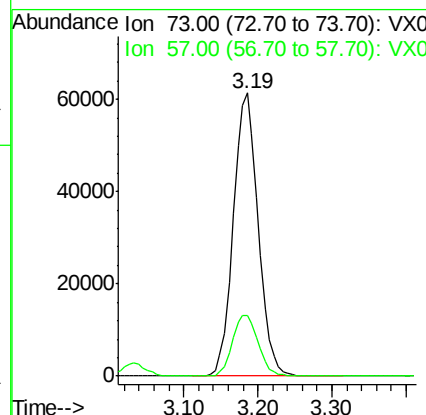
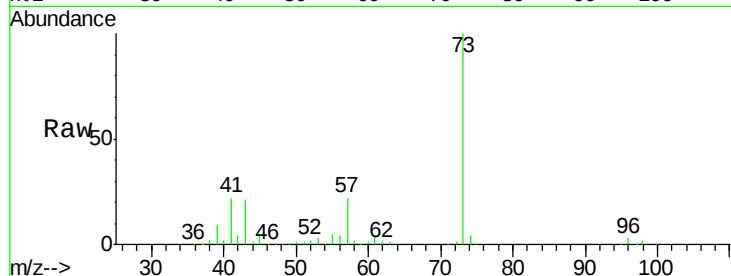
#19
Methvl tert-butvl Ether
Concen: 18.880 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion: 73 Resp: 142875
Ion Ratio Lower Upper
73 100
57 21.5 16.8 25.2

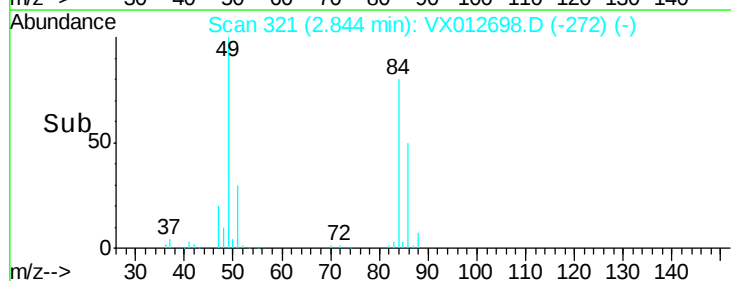
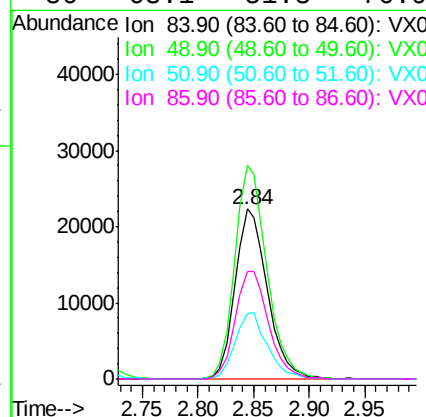
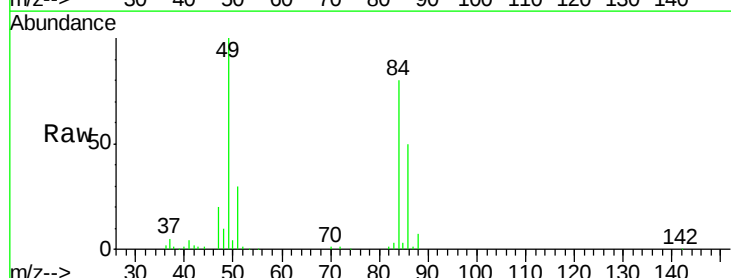
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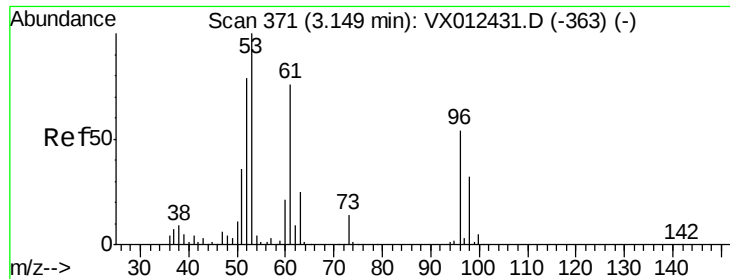
MMDadoda
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#20
Methylene Chloride
Concen: 18.521 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion: 84 Resp: 44930
Ion Ratio Lower Upper
84 100
49 125.7 106.8 160.2
51 38.1 32.3 48.5
86 63.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.783 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 96 Resp: 41603

Ion Ratio Lower Upper

96 100

61 136.7 112.0 168.0

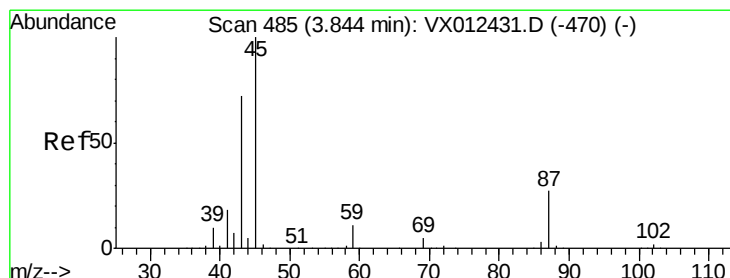
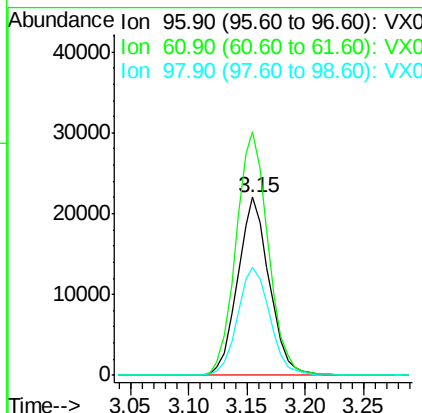
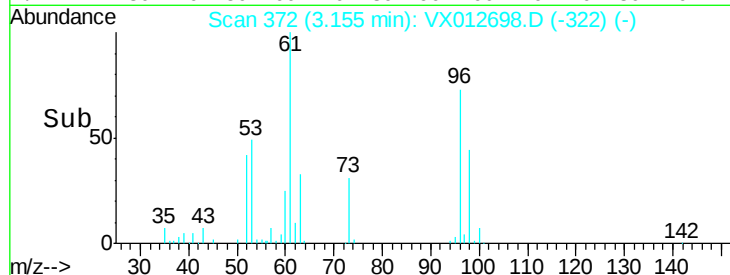
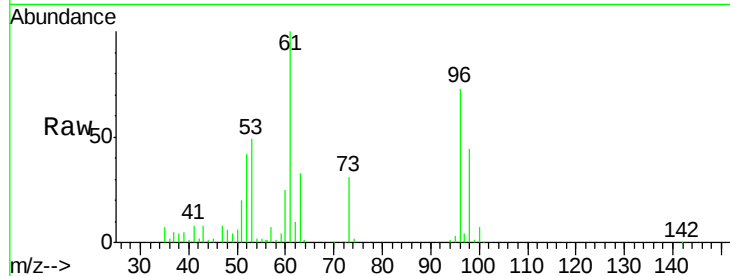
98 60.8 47.8 71.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.980 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion: 45 Resp: 145477

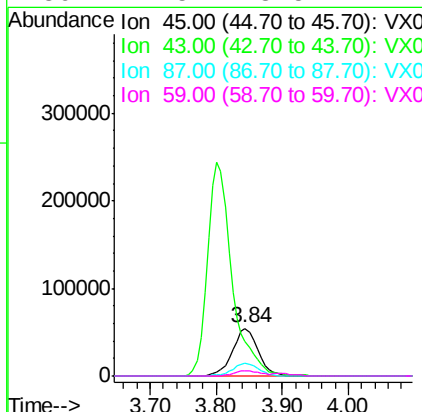
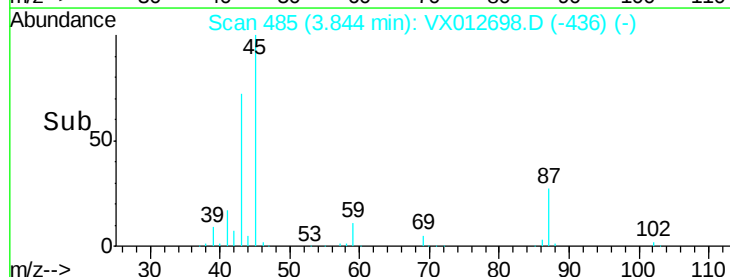
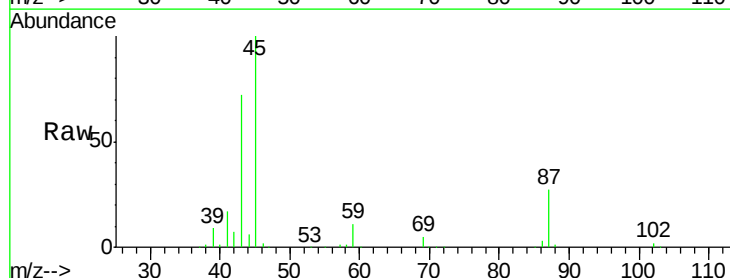
Ion Ratio Lower Upper

45 100

43 71.4 57.8 86.8

87 27.1 21.3 31.9

59 11.5 8.5 12.7





#23

Vinyl Acetate

Concen: 93.613 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VX0930WBS01

Tot Ion: 43 Resp: 629217

Ion Ratio Lower Upper

43 100

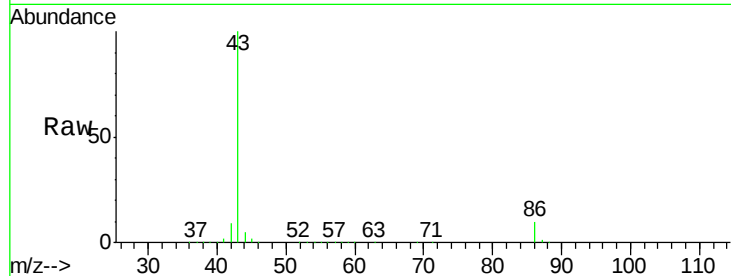
86 10.5 7.8 11.8

Manual Integrations

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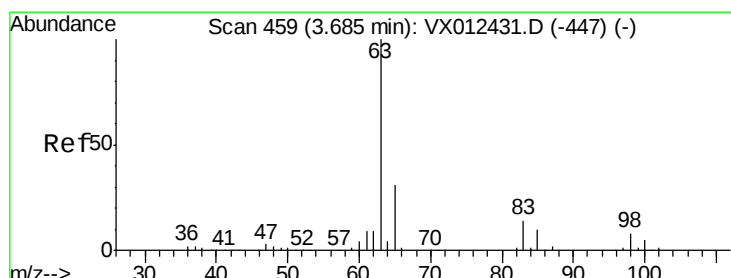
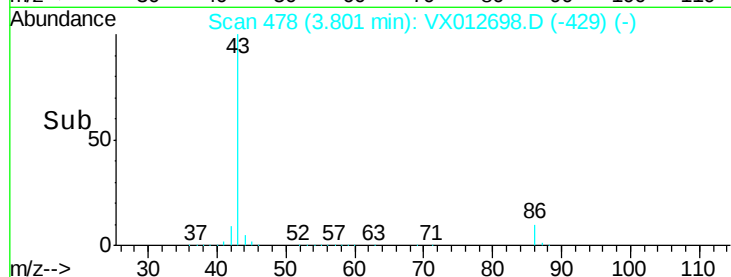
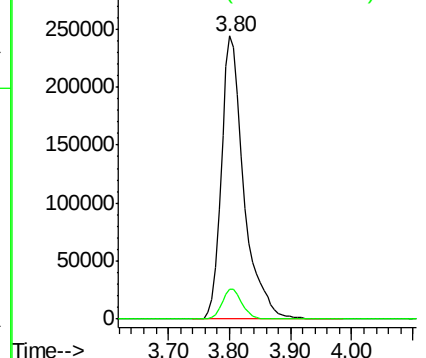
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.770 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

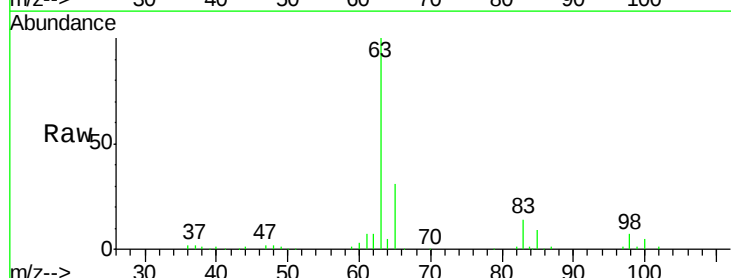
Tgt Ion: 63 Resp: 78200

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

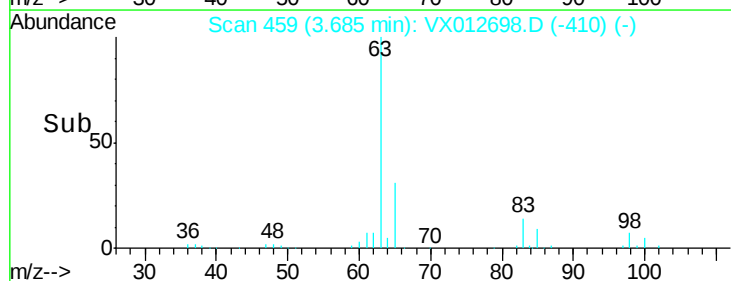
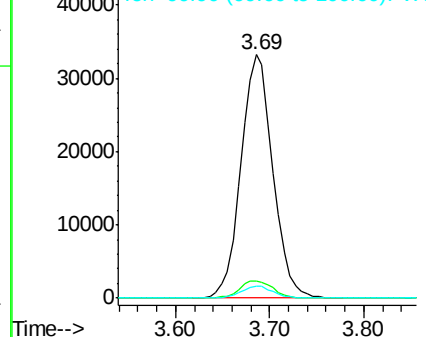
100 4.8 2.3 6.9

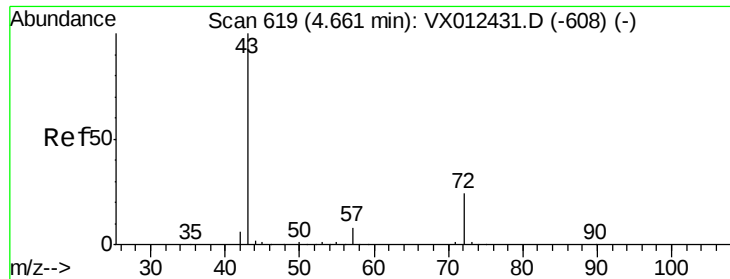


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 89.506 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 43 Resp: 184072

Ion Ratio Lower Upper

43 100

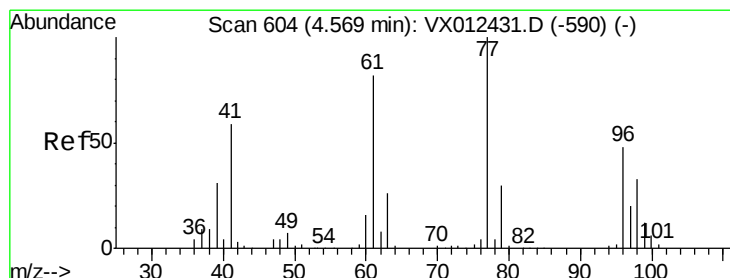
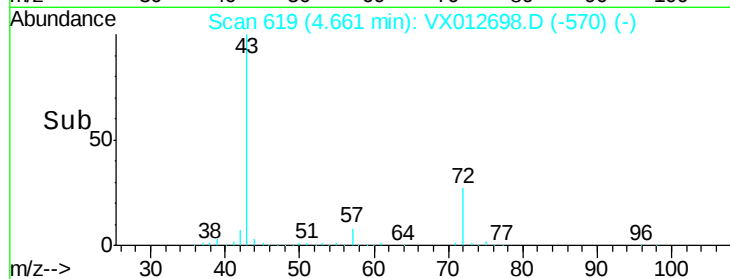
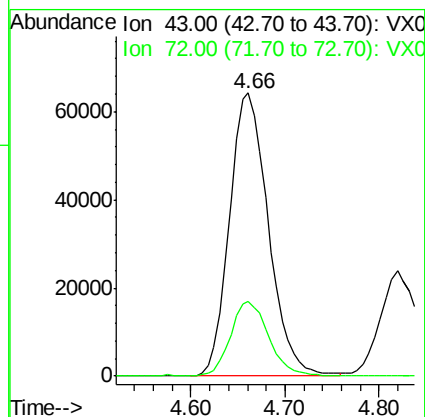
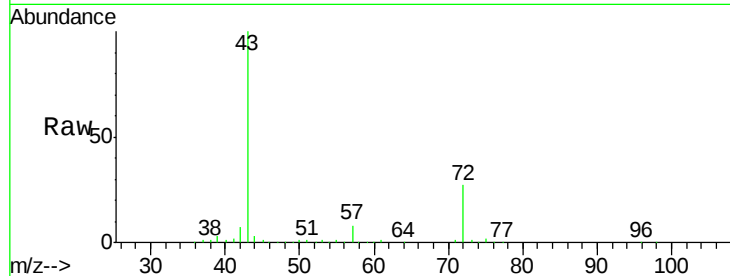
72 26.5 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.144 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012698.D

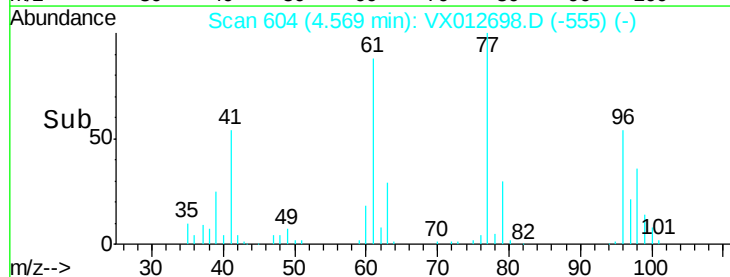
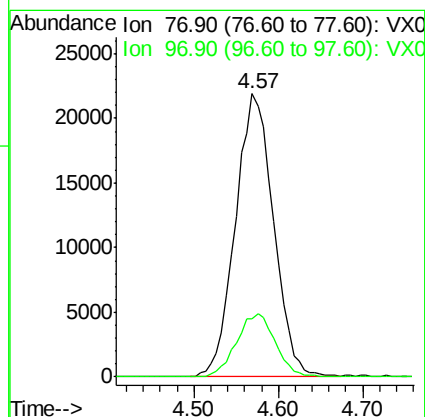
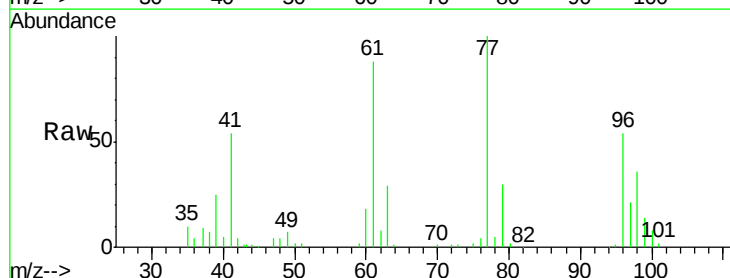
Acq: 30 Sep 2019 12:25

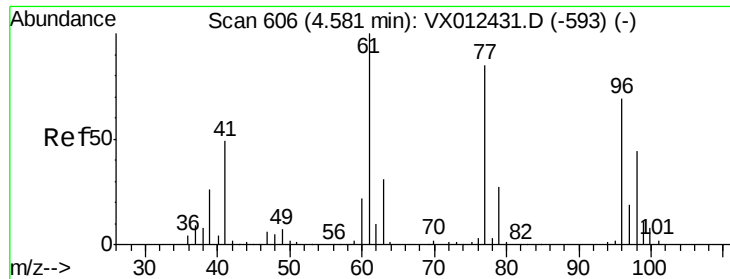
Tgt Ion: 77 Resp: 67231

Ion Ratio Lower Upper

77 100

97 22.7 10.5 31.6





#27

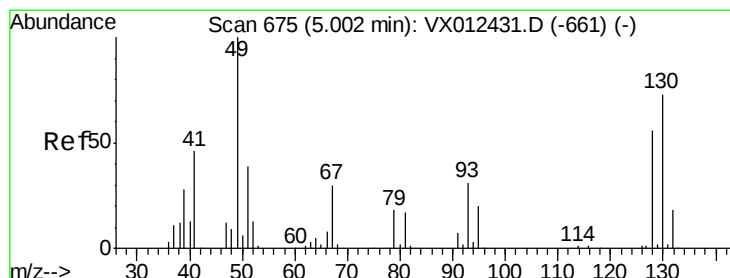
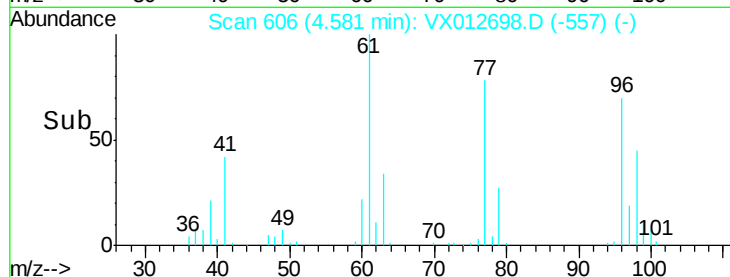
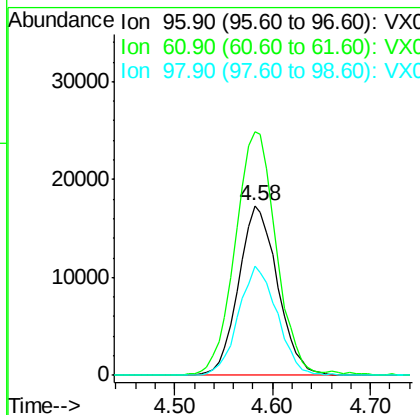
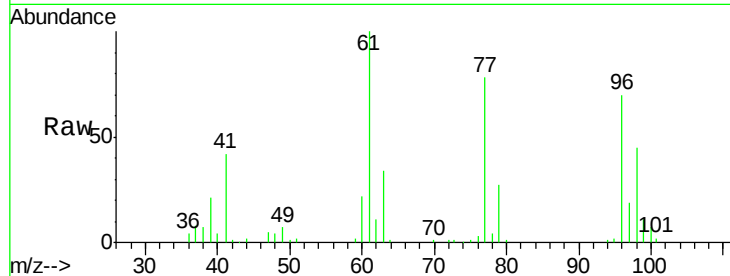
cis-1,2-Dichloroethene
Concen: 18.628 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	319.4
98	64.2	0.0	130.6

Manual Integrations
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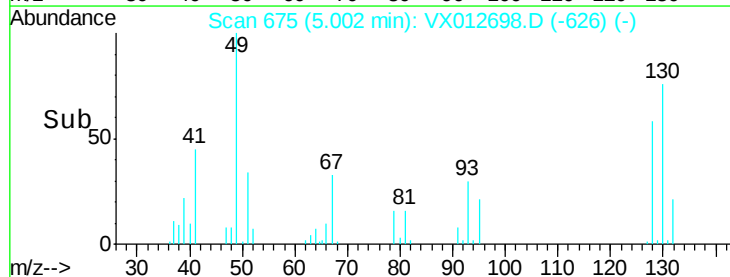
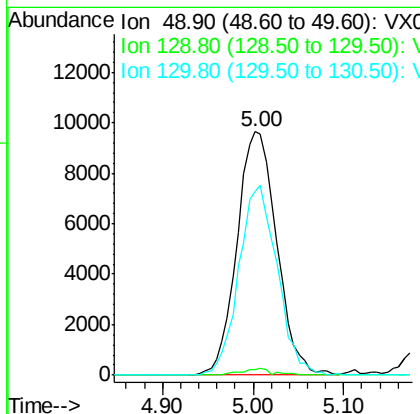
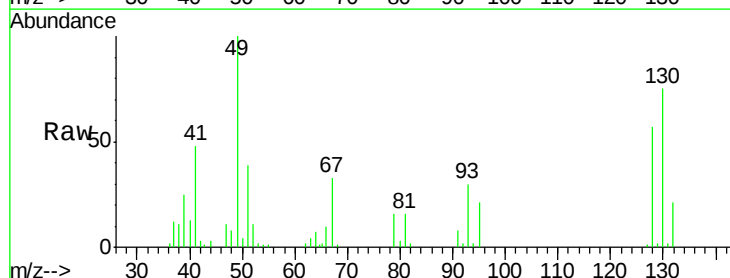
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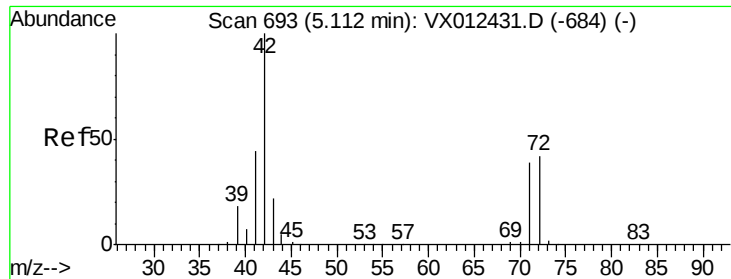


#28

Bromochloromethane
Concen: 19.354 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	75.1	58.2	87.4





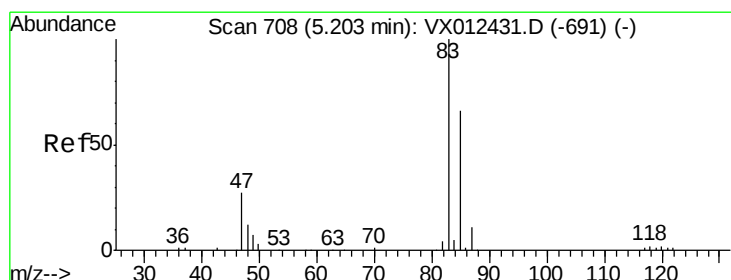
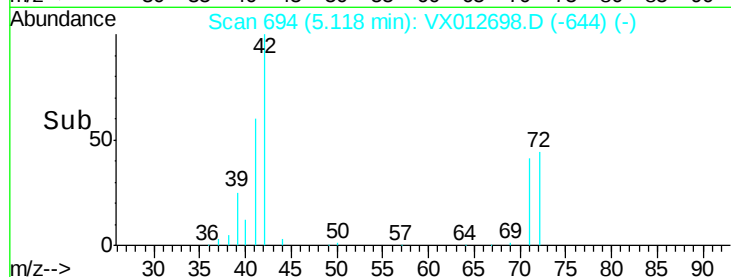
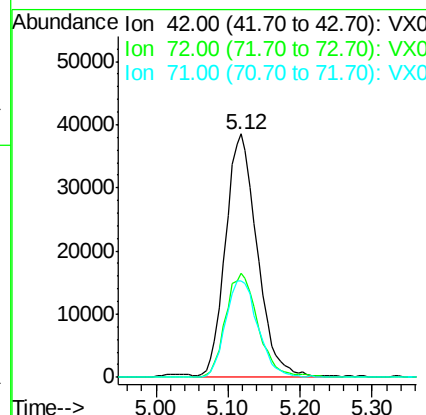
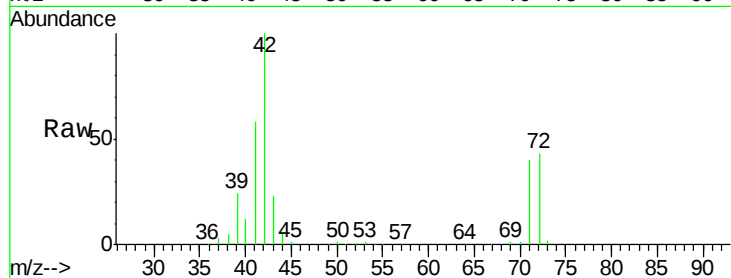
#29
Tetrahydrofuran
Concen: 93.425 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.0	51.0
71	40.8	31.5	47.3

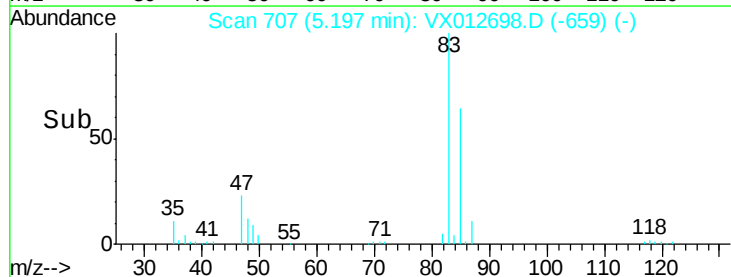
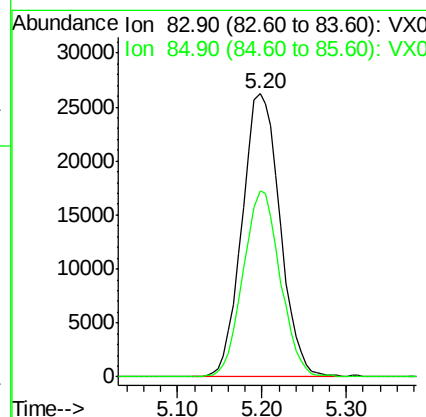
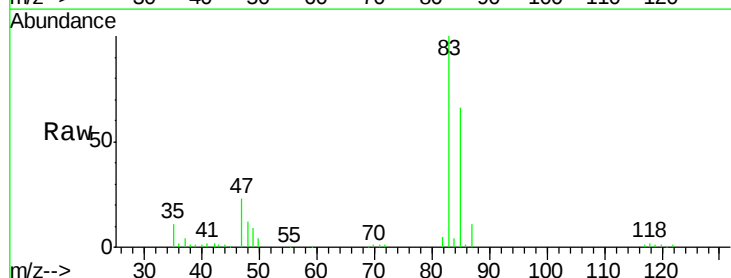
Manual Integrations
APPROVED

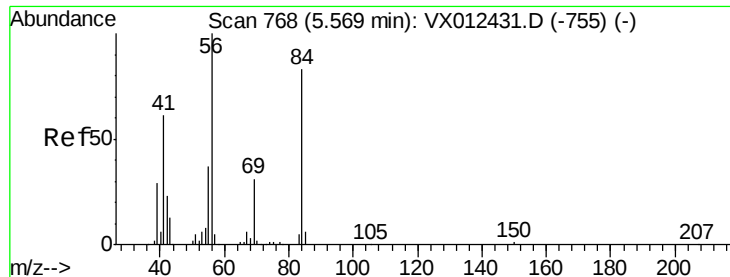
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#30
Chloroform
Concen: 18.823 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.0	79.4





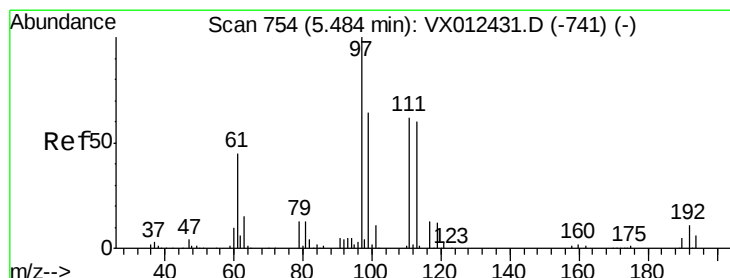
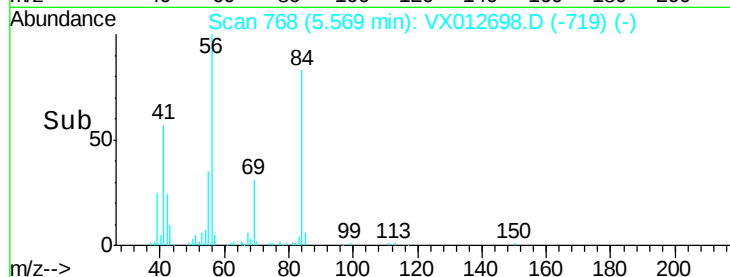
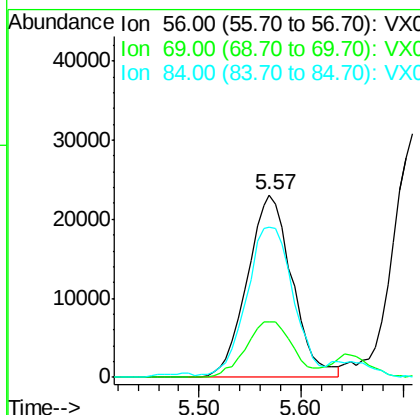
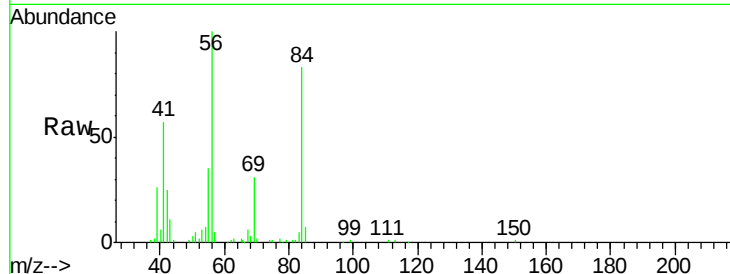
#31
Cyclohexane
Concen: 18.708 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.0	37.6
84	80.5	66.4	99.6

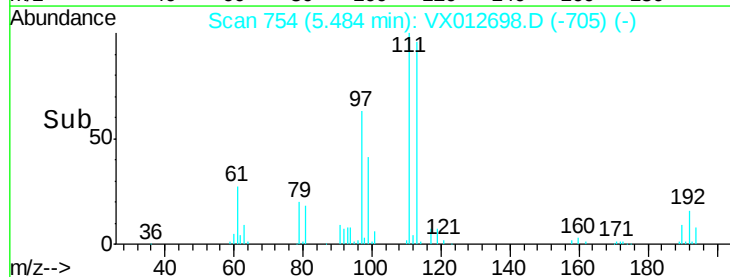
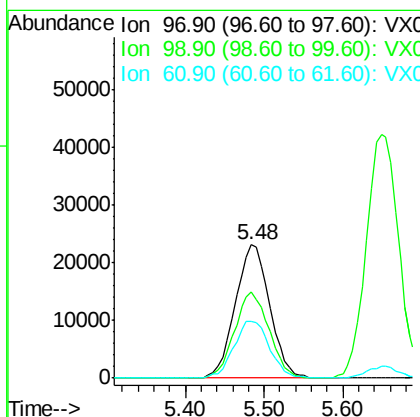
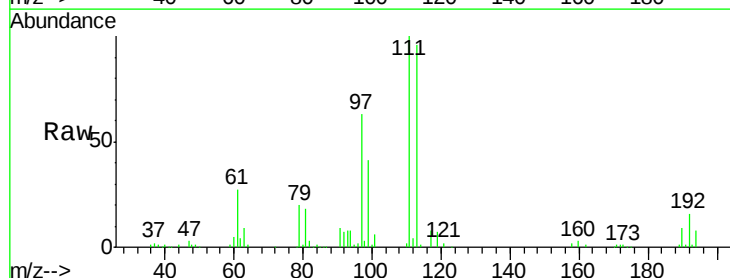
Manual Integrations
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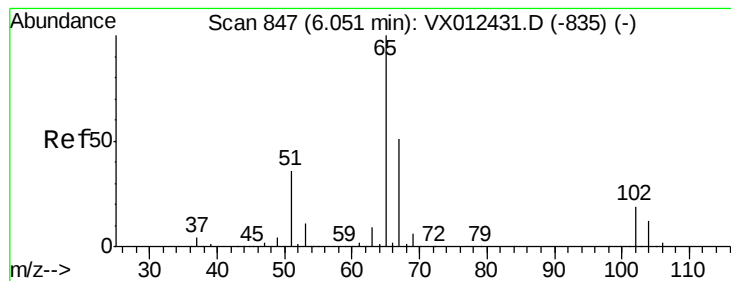
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#32
1,1,1-Trichloroethane
Concen: 18.624 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	44.5	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 49.833 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 65 Resp: 134937

Ion Ratio Lower Upper

65 100

67 51.5

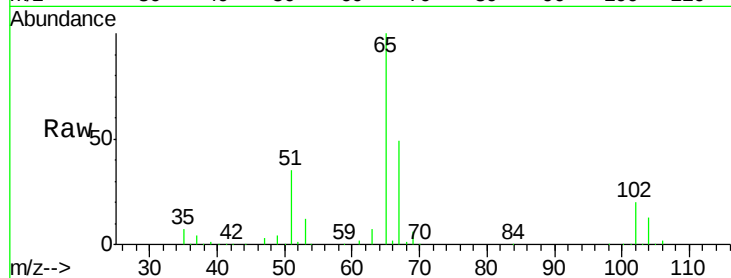
0.0 101.2

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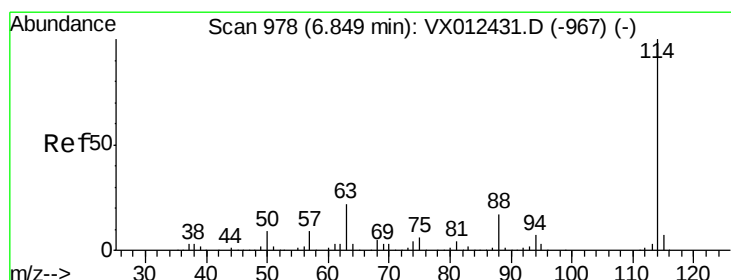
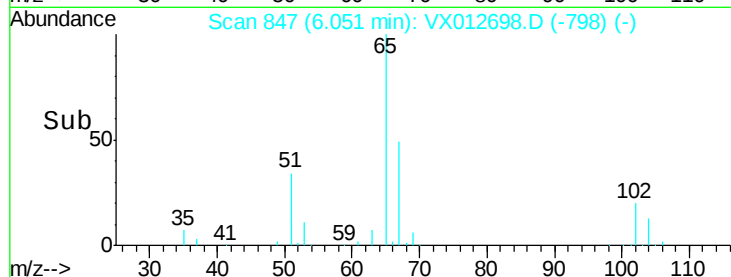
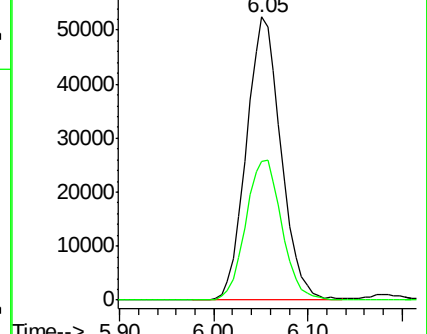
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion: 114 Resp: 324284

Ion Ratio Lower Upper

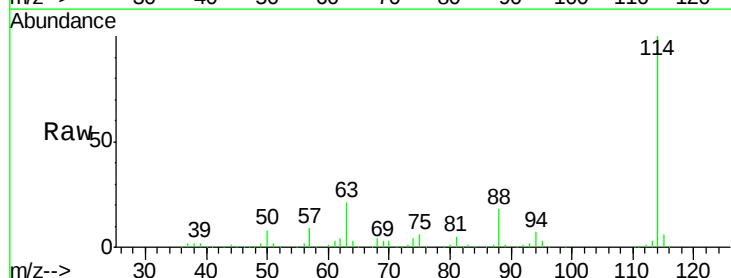
114 100

63 21.5

88 17.8

0.0 43.2

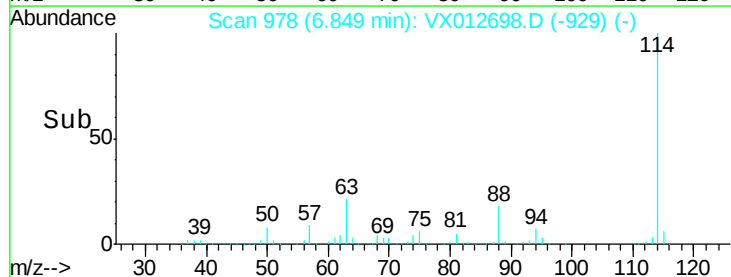
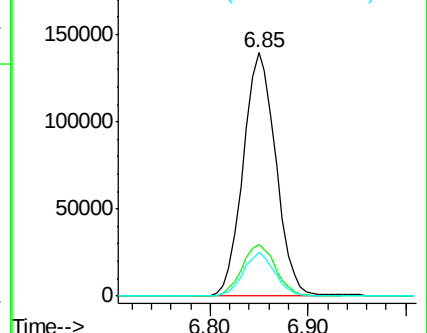
0.0 33.2

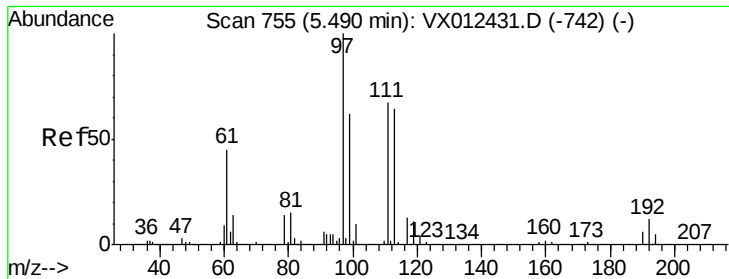


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.473 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

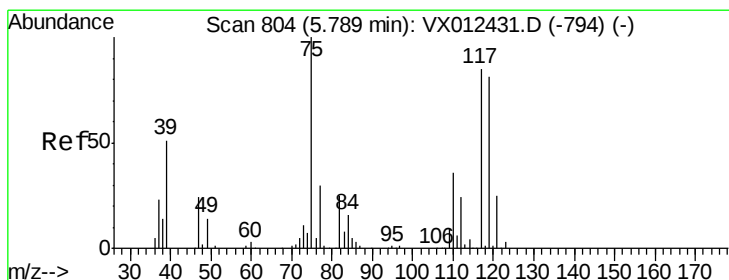
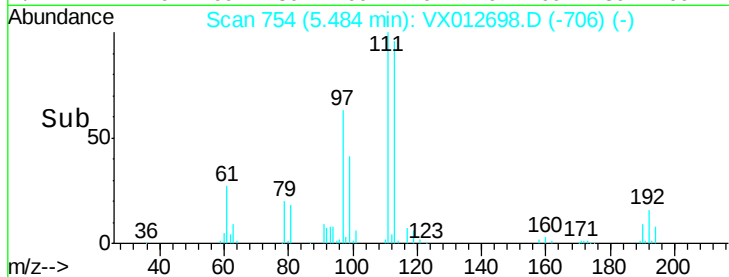
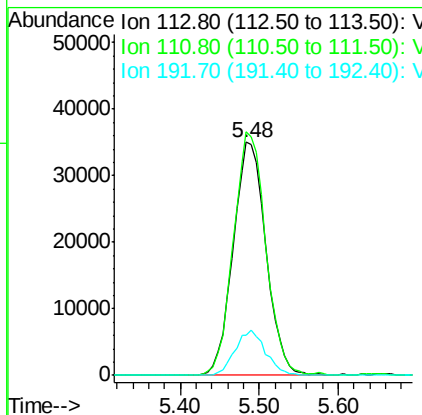
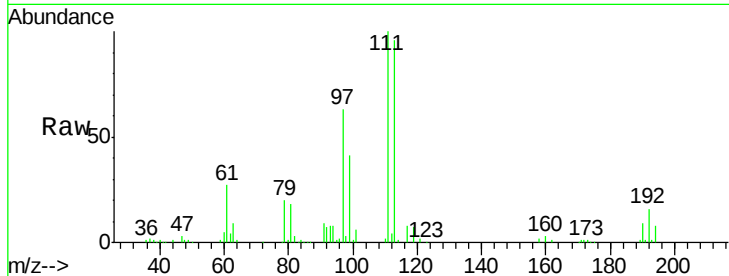
ClientSampleId :

VX0930WBS01

Tot Ion:	113	Resp:	101339
Ion Ratio	Lower	Upper	
113	100		
111	102.9	83.4	125.2
192	18.0	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.959 ug/l

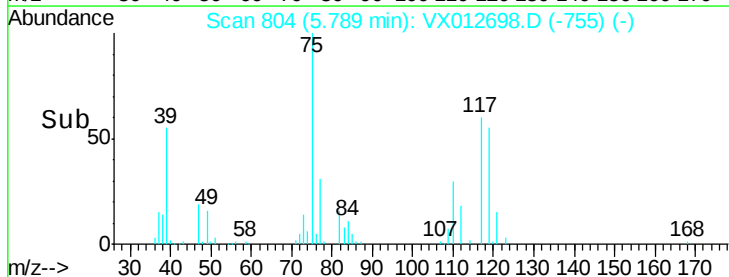
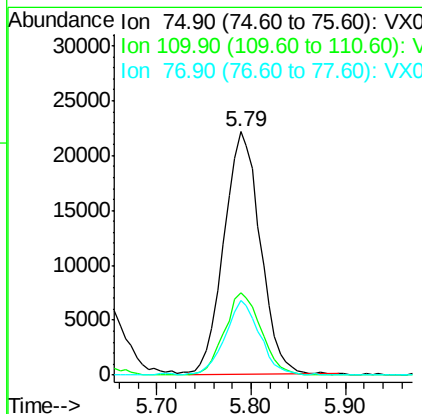
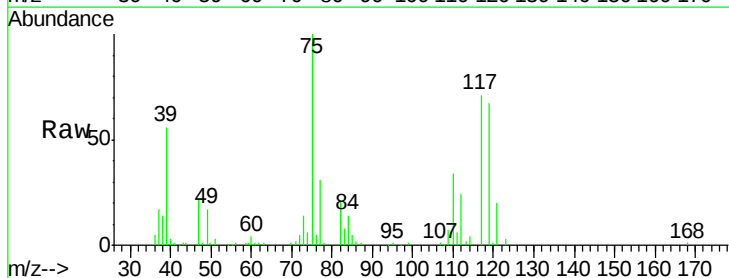
RT: 5.79 min Scan# 804

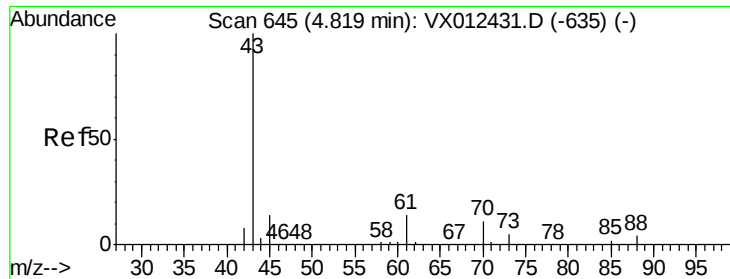
Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion:	75	Resp:	59262
Ion Ratio	Lower	Upper	
75	100		
110	34.4	16.7	50.0
77	29.4	24.2	36.2





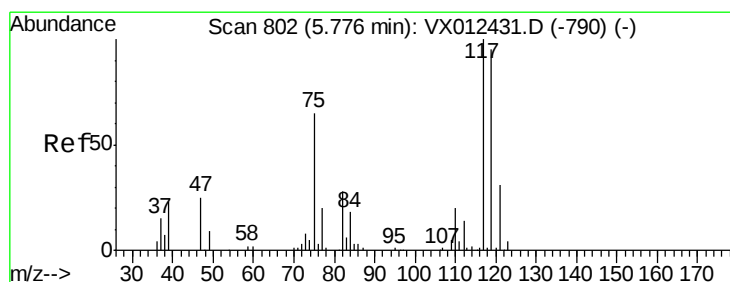
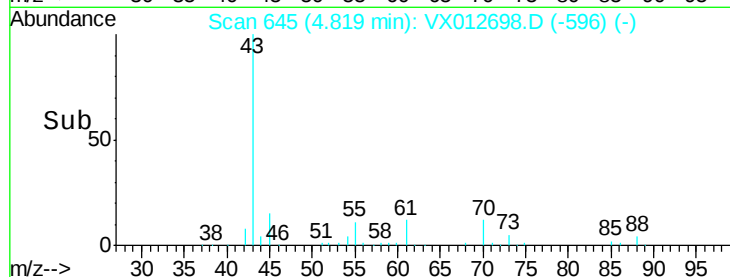
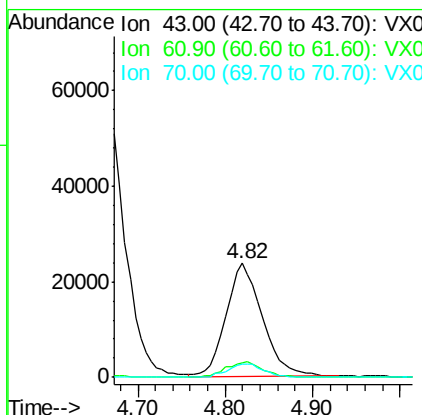
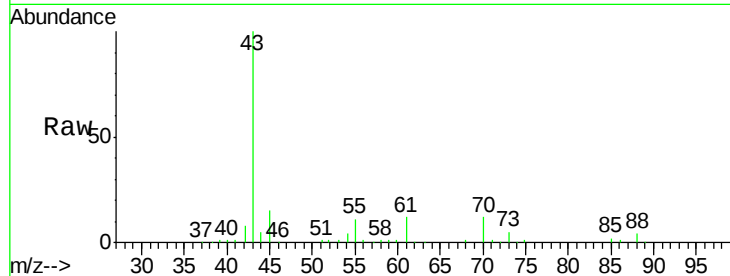
#37
Ethyl Acetate
Concen: 18.629 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.4
70	12.0	8.7	13.1

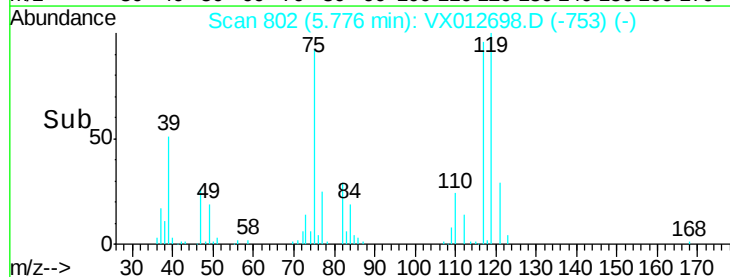
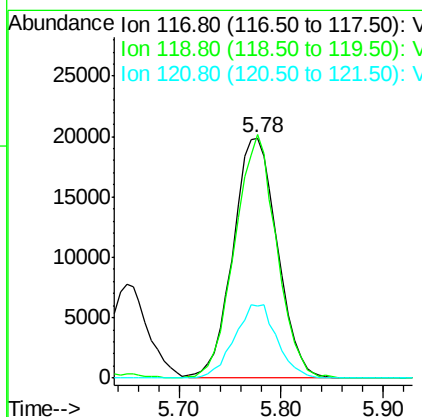
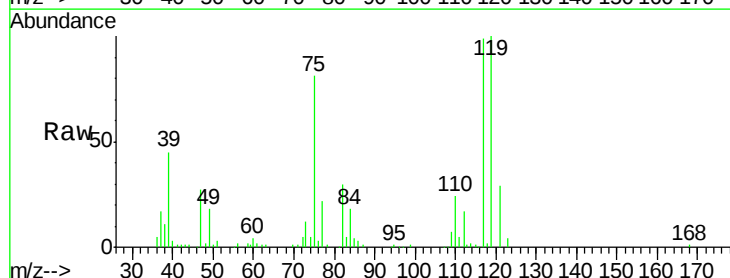
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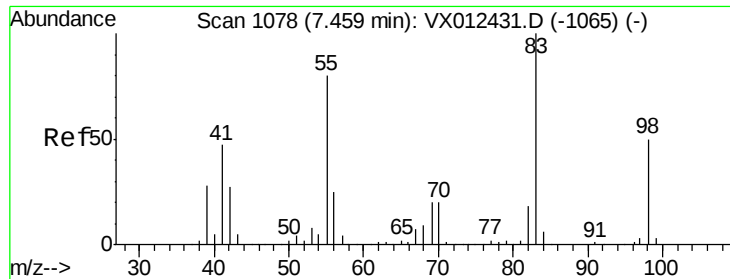
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#38
Carbon Tetrachloride
Concen: 18.847 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.0	75.7	113.5
121	29.8	24.2	36.4





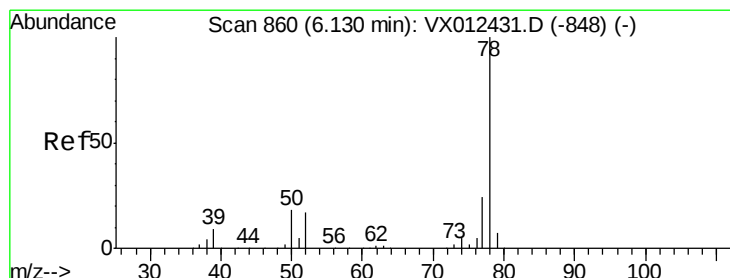
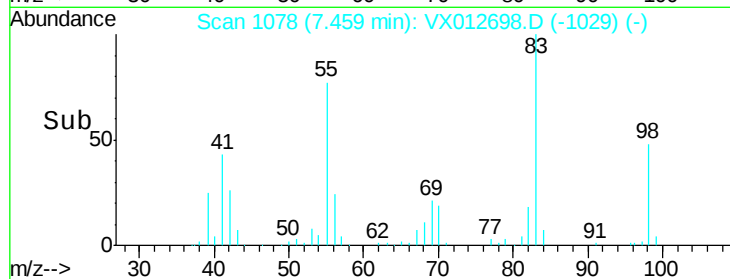
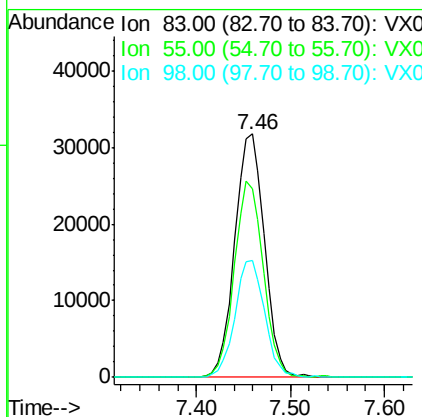
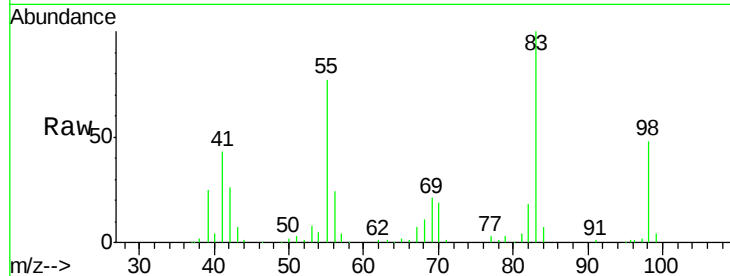
#39
Methvlcvclohexane
Concen: 18.618 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	83.00	Resp:	70059
Ion	Ratio	Lower	Upper
83	100		
55	77.2	64.4	96.6
98	48.1	40.1	60.1

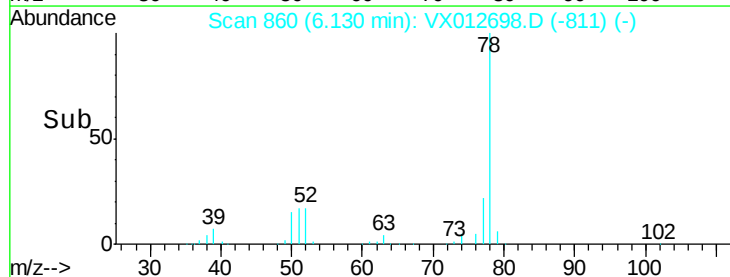
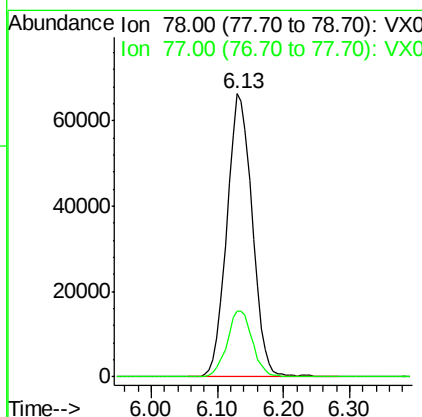
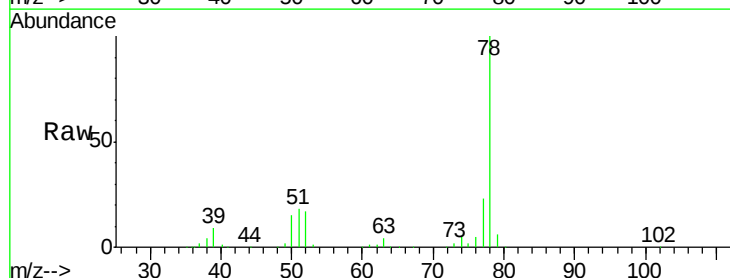
Manual Integrations
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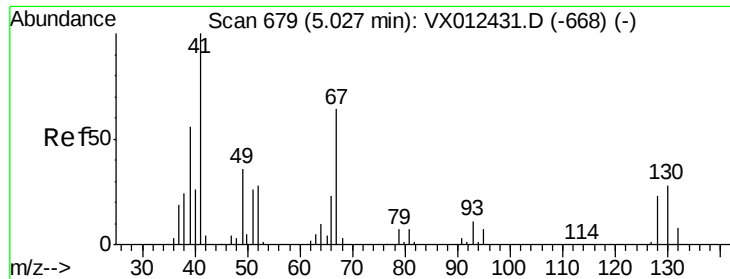
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#40
Benzene
Concen: 19.143 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	78.00	Resp:	176051
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 17.979 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 41 Resp: 36863

Ion Ratio Lower Upper

41 100

39 56.9 46.0 69.0

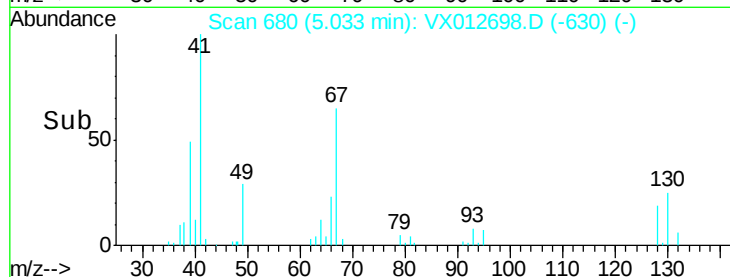
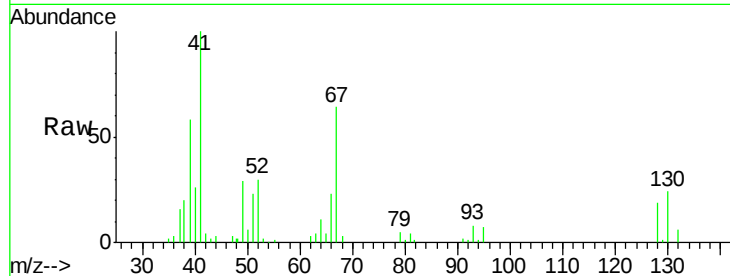
67 71.4 52.2 78.2

52 30.3 22.7 34.1

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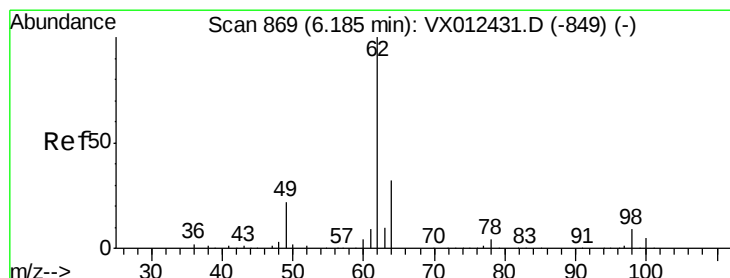
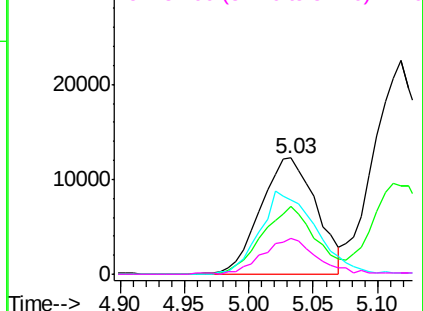


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.898 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012698.D

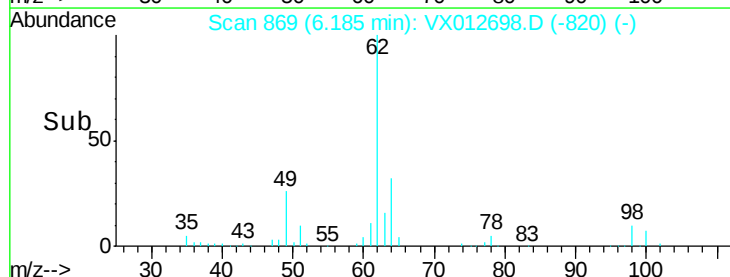
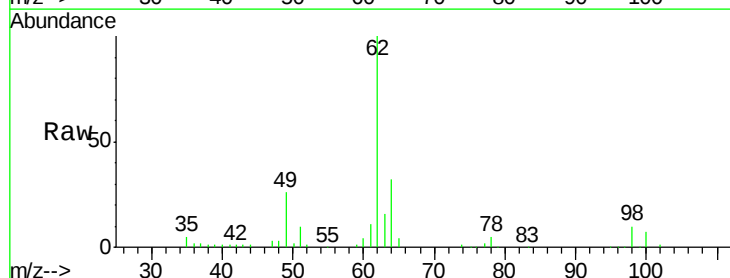
Acq: 30 Sep 2019 12:25

Tgt Ion: 62 Resp: 66000

Ion Ratio Lower Upper

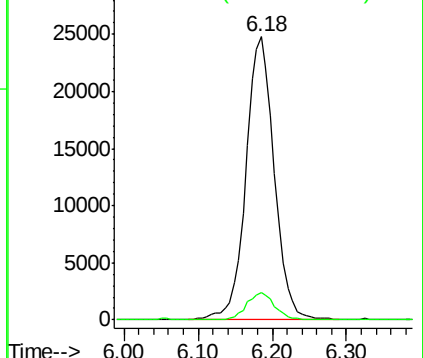
62 100

98 9.5 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

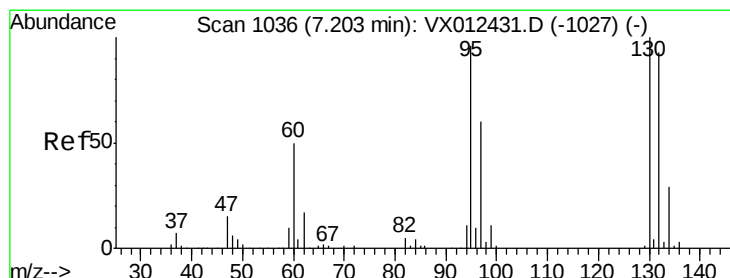
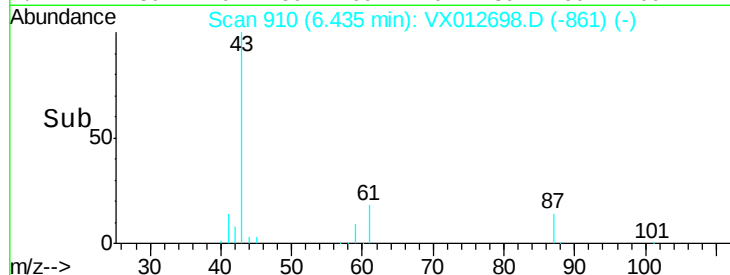
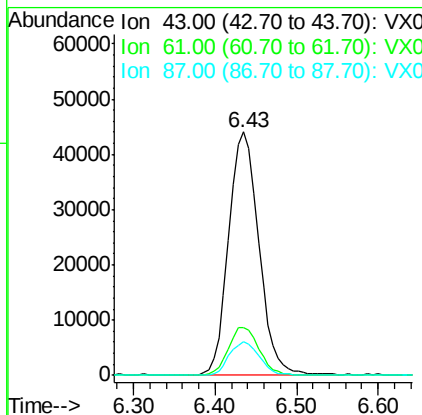
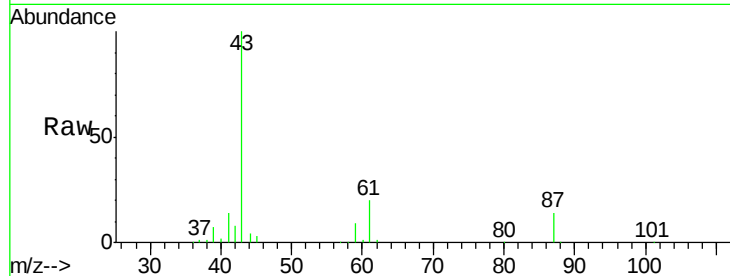
Isopropyl Acetate
 Concen: 18.365 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.4	23.0
87	13.7	9.8	14.8

Manual Integrations
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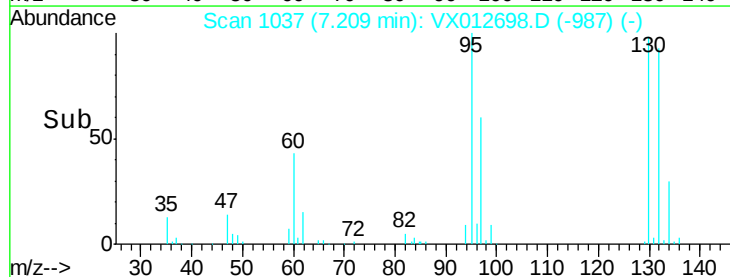
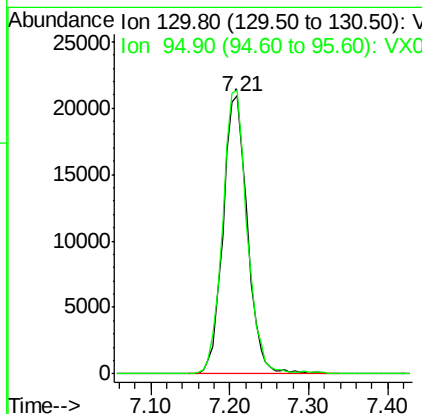
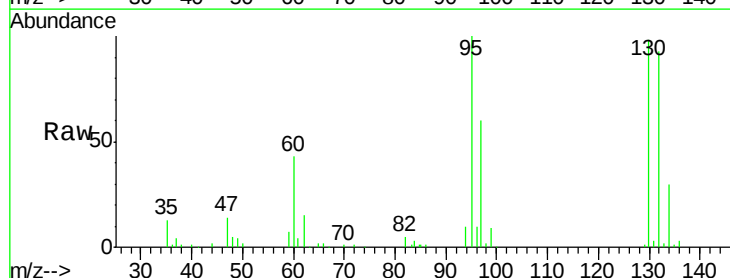
MMDadoda
 10/1/2019 10:07:39 AM



#44

Trichloroethene
 Concen: 19.176 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	193.0





#45

1,2-Dichloropropane

Concen: 19.200 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VX0930WBS01

Tot Ion: 63 Resp: 45209

Ion Ratio Lower Upper

63 100

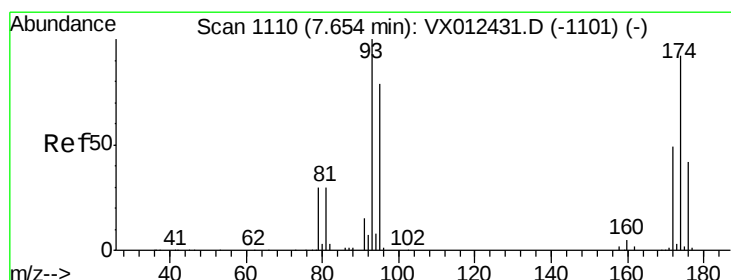
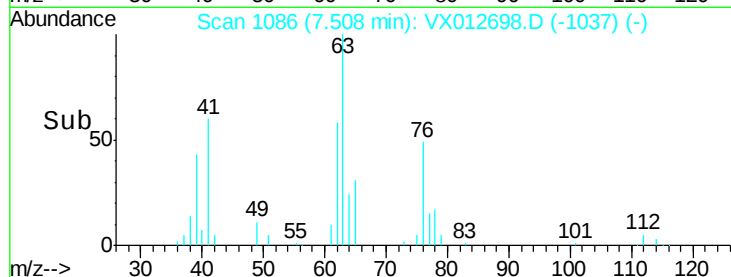
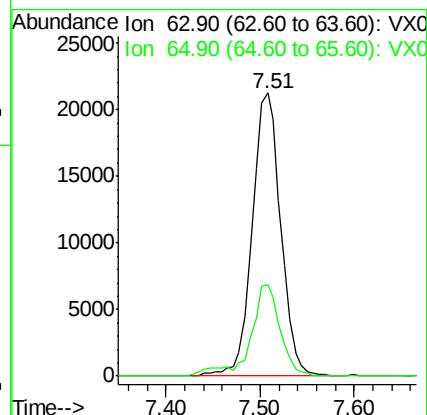
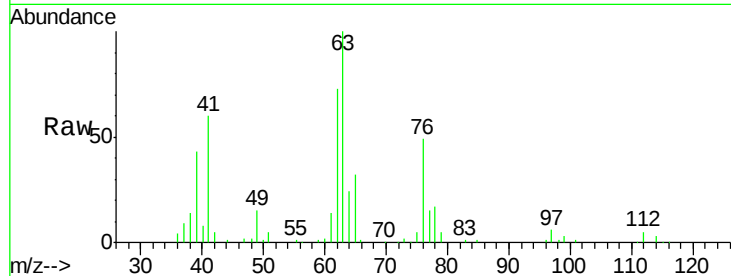
65 32.2 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 18.784 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

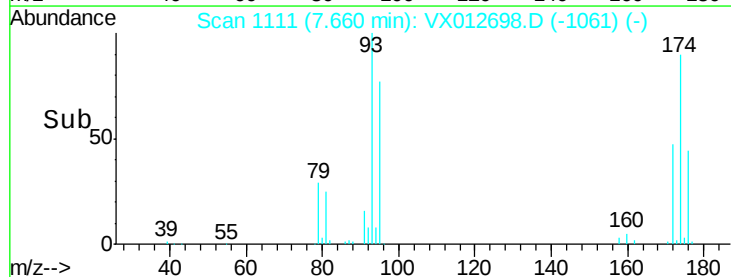
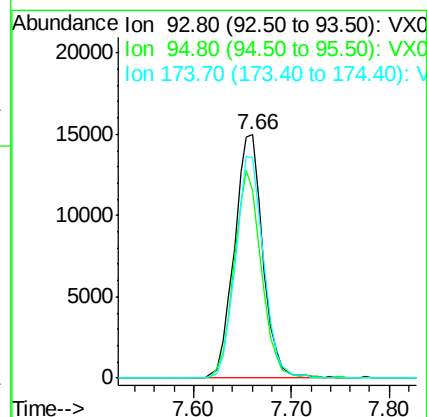
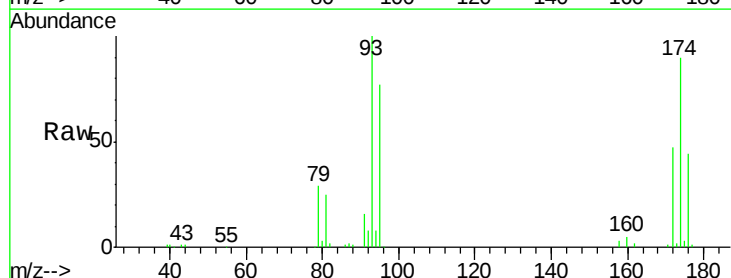
Tgt Ion: 93 Resp: 30113

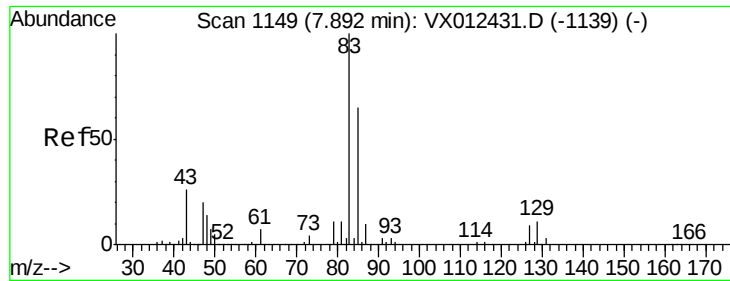
Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

174 89.5 77.4 116.0





#47

Bromodichloromethane

Concen: 18.674 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

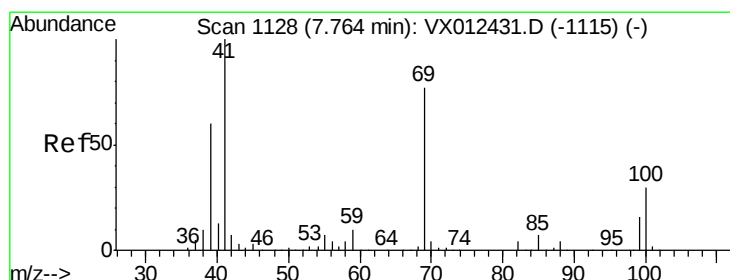
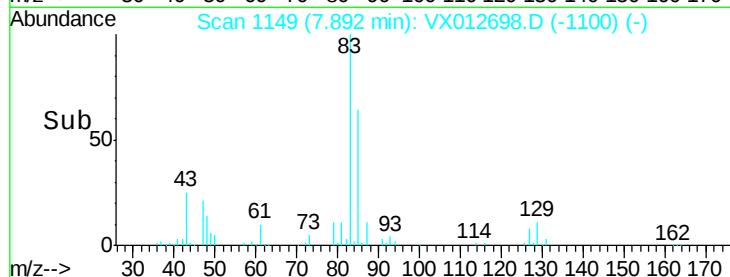
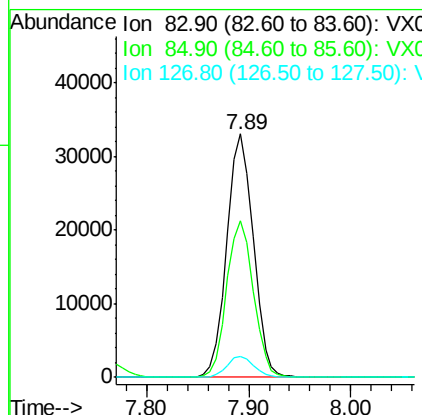
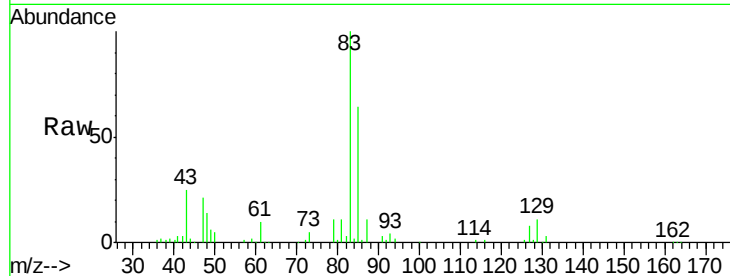
ClientSampleId :

VX0930WBS01

Tot Ion:	83	Resp:	59834
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6
127	8.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.482 ug/l

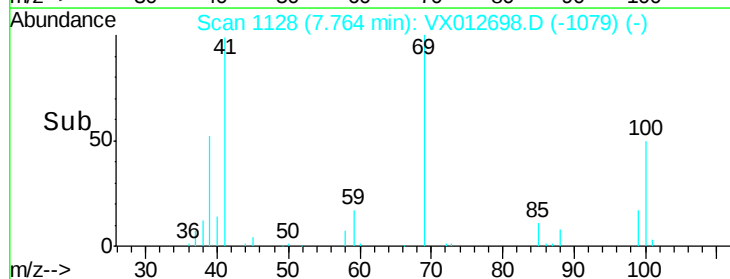
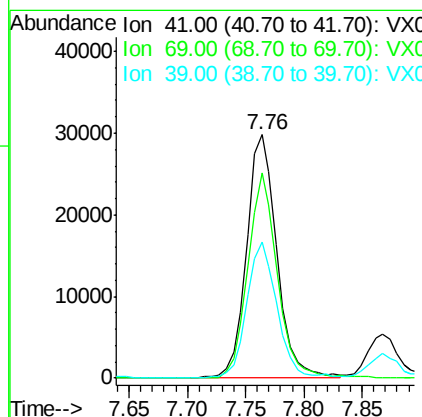
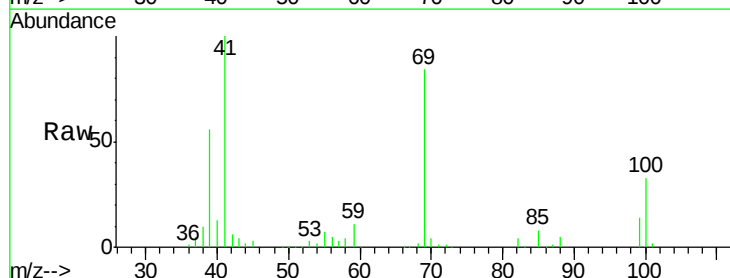
RT: 7.76 min Scan# 1128

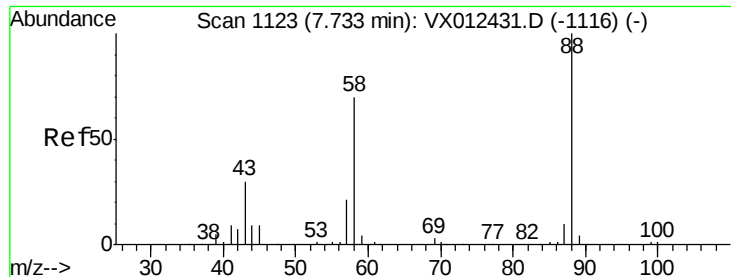
Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion:	41	Resp:	54159
Ion	Ratio	Lower	Upper
41	100		
69	82.5	59.9	89.9
39	56.0	47.8	71.6





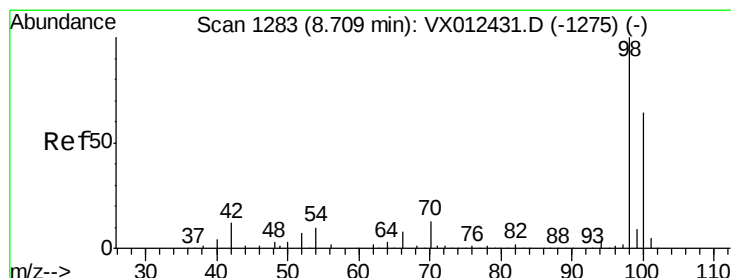
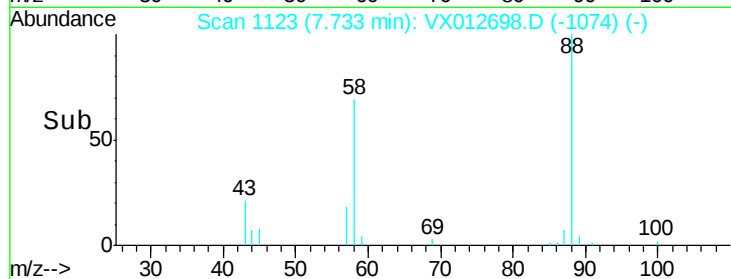
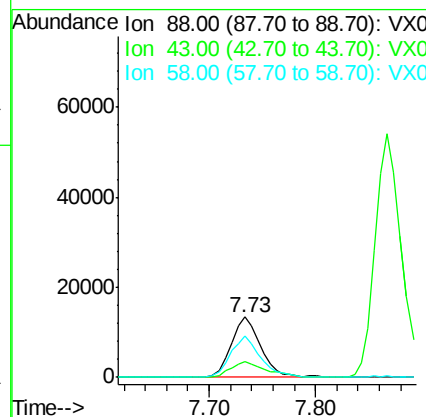
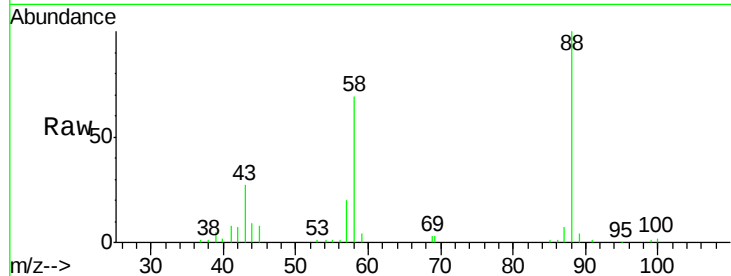
#49
1,4-Dioxane
Concen: 393.898 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	29.4	44.0
58	69.7	57.5	86.3

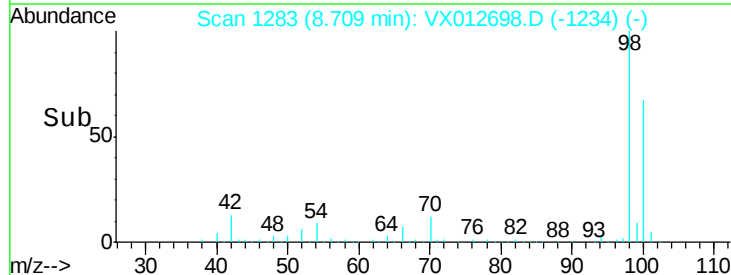
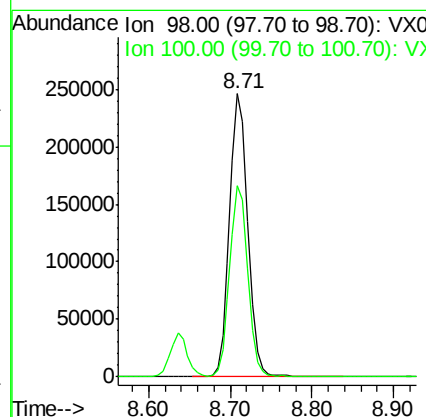
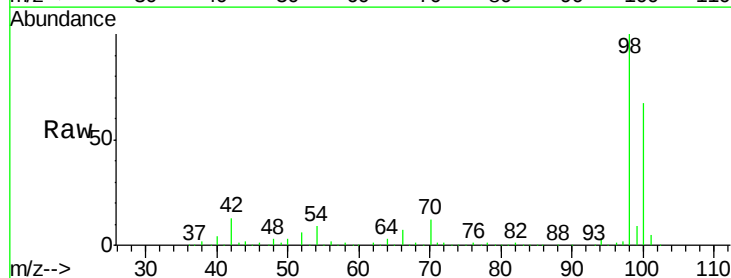
Manual Integrations
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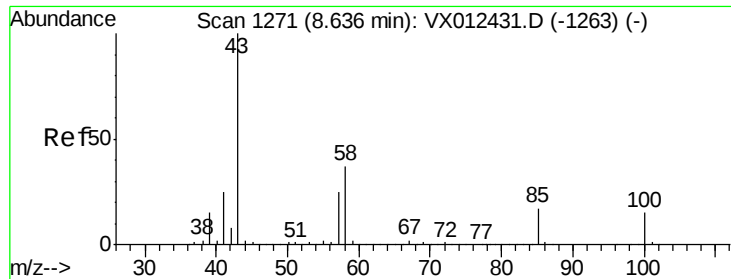
MMDadoda
10/1/2019 10:07:39 AM



#50
Toluene-d8
Concen: 51.203 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 94.491 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VX0930WBS01

Tot Ion: 43 Resp: 356452

Ion Ratio Lower Upper

43 100

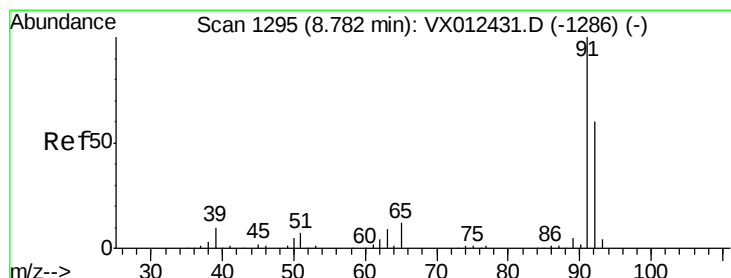
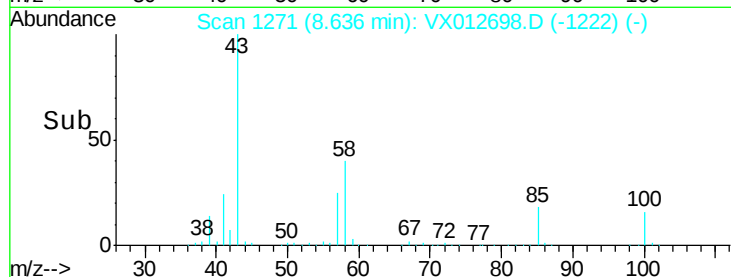
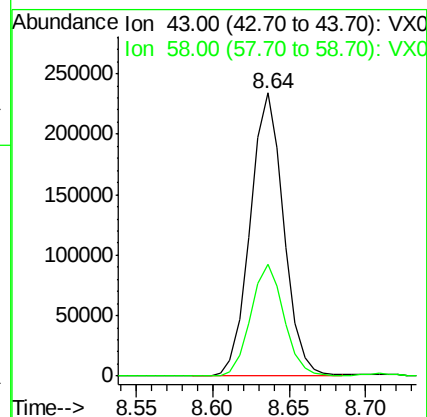
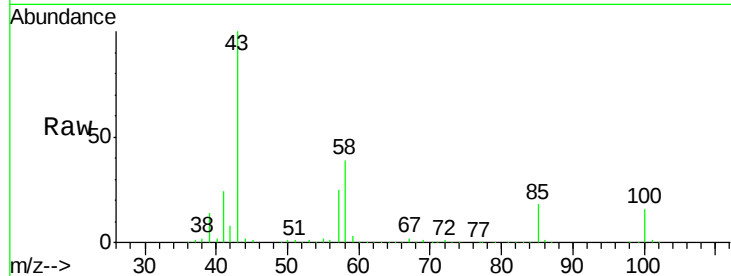
58 39.2 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 19.288 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012698.D

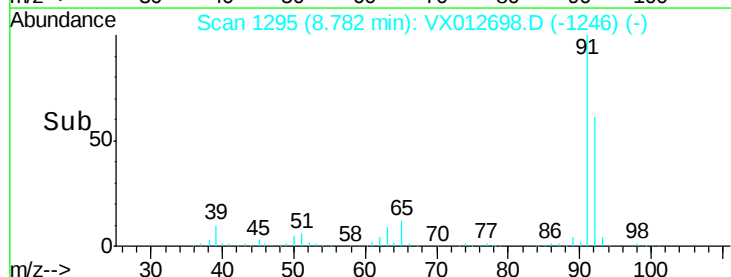
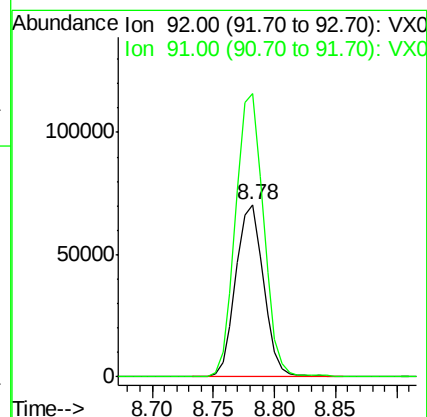
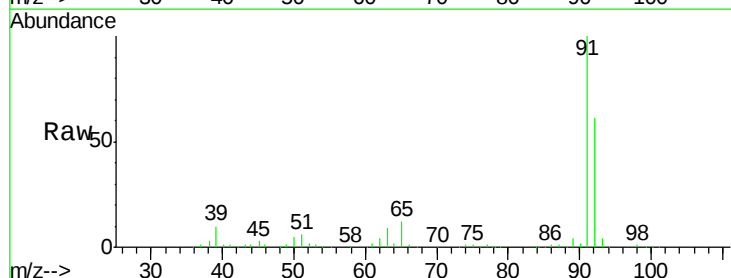
Acq: 30 Sep 2019 12:25

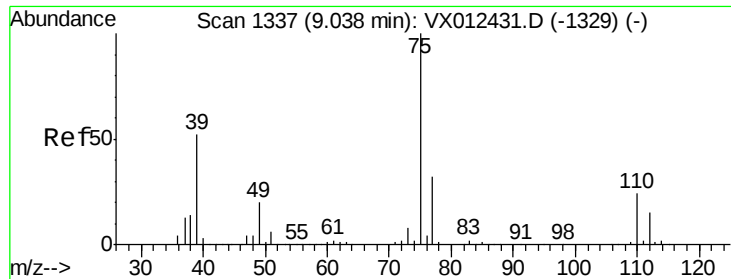
Tgt Ion: 92 Resp: 111491

Ion Ratio Lower Upper

92 100

91 165.8 135.4 203.0





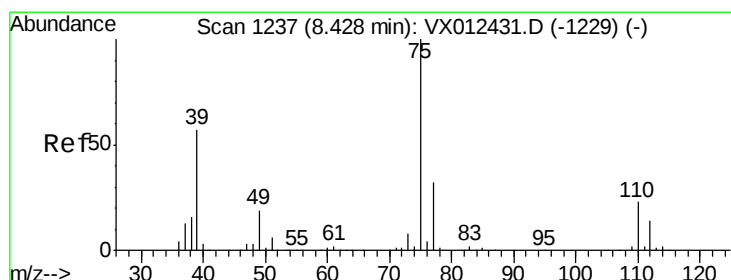
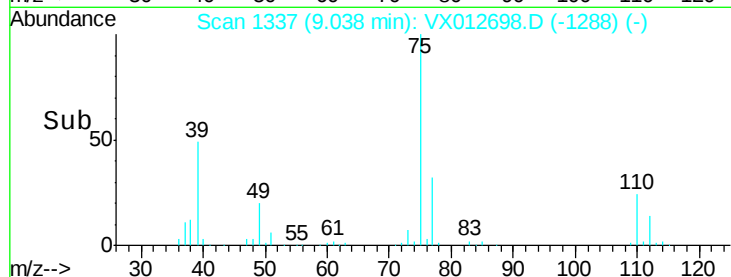
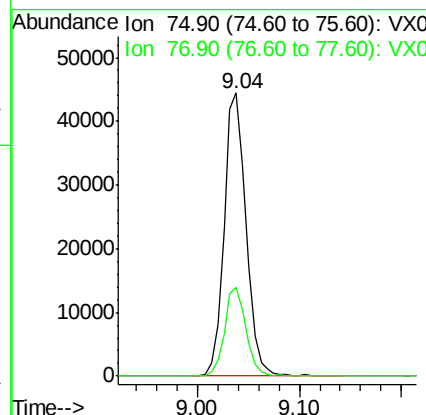
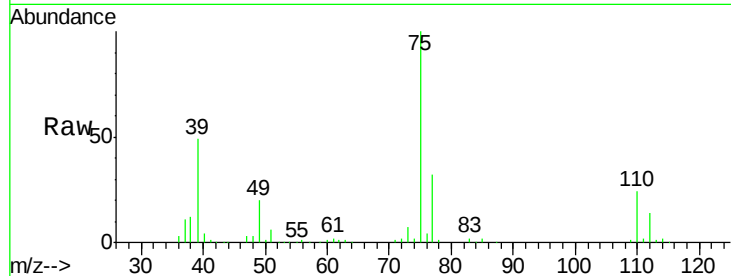
#53
 t-1,3-Dichloropropene
 Concen: 18.826 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Tot Ion: 75 Resp: 66738
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8

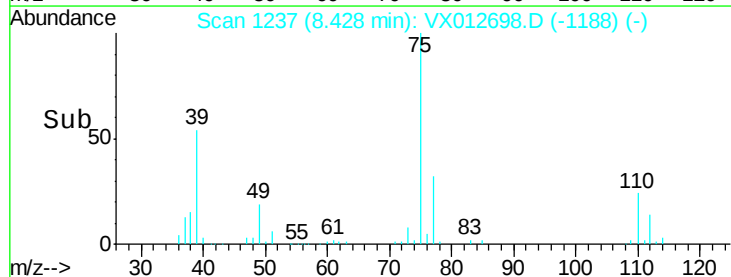
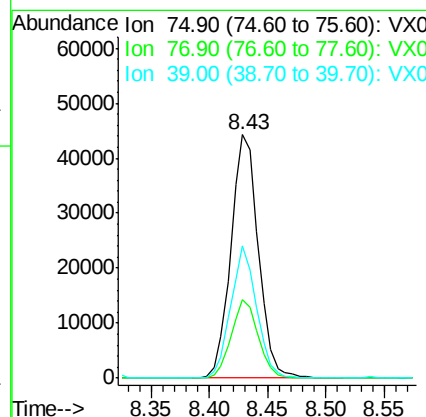
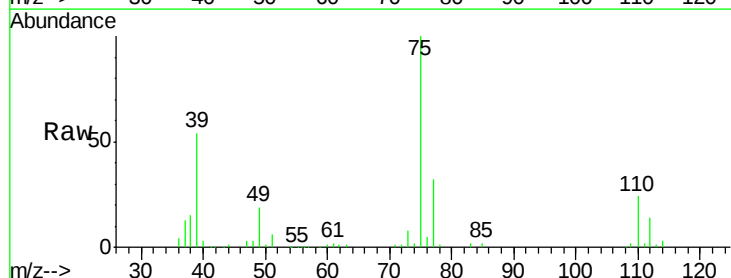
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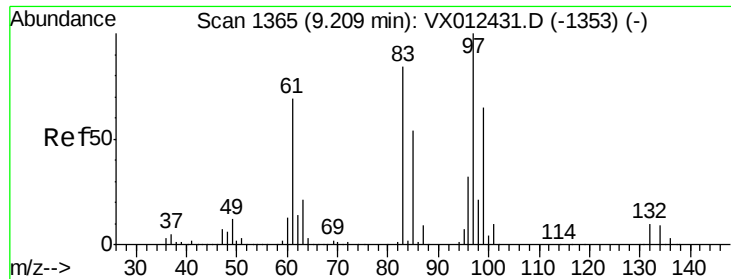
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 18.709 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 75 Resp: 72417
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8
 39 54.3 45.5 68.3





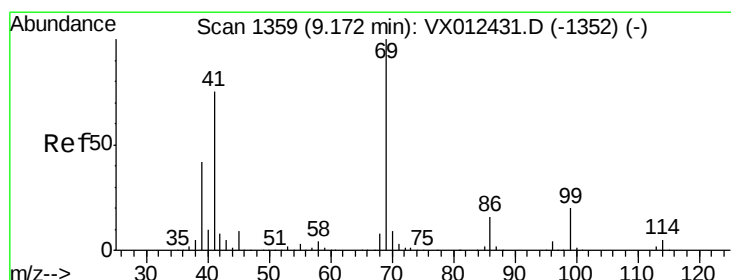
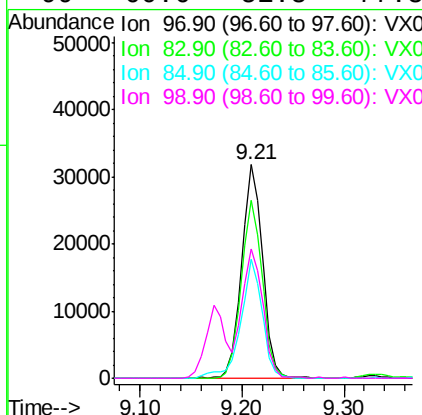
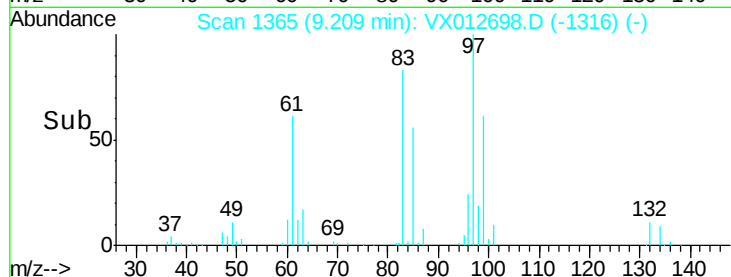
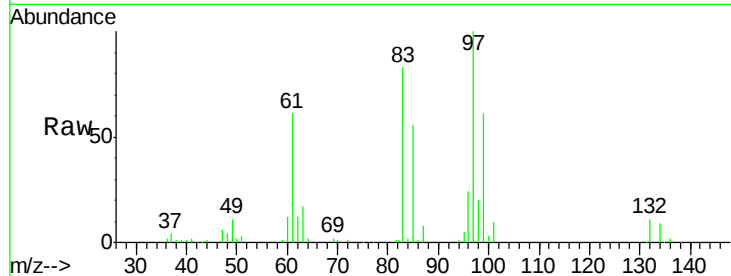
#55
 1,1,2-Trichloroethane
 Concen: 19.619 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0930WBS01

Tot Ion:	97	Resp:	45087
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.4	101.2
85	55.7	43.5	65.3
99	60.6	51.8	77.8

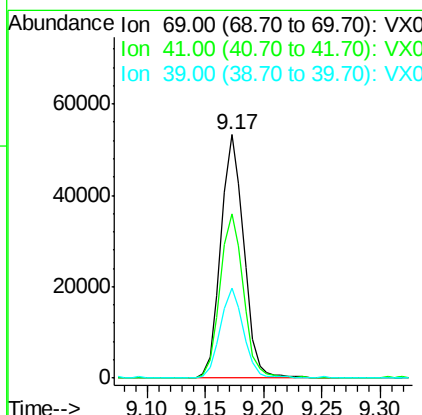
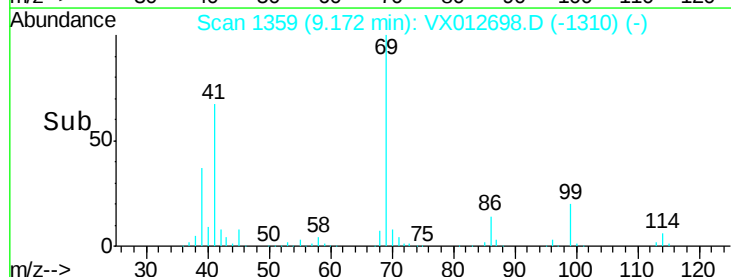
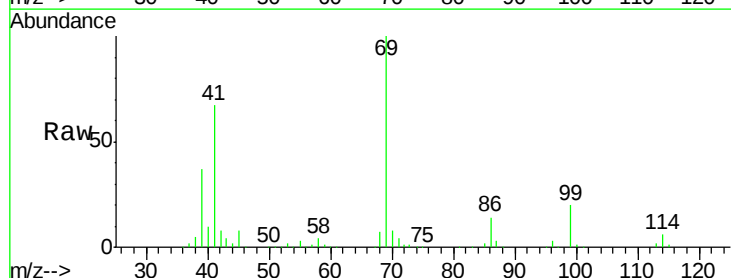
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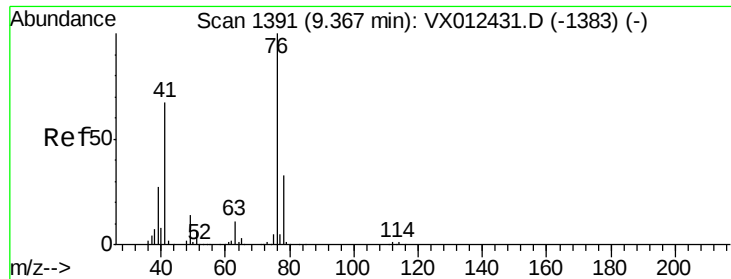
MMDadoda
 10/1/2019 10:07:39 AM



#56
 Ethyl methacrylate
 Concen: 18.919 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion:	69	Resp:	73043
Ion	Ratio	Lower	Upper
69	100		
41	68.0	58.4	87.6
39	37.2	33.4	50.0





#57

1,3-Dichloropropane

Concen: 19.419 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 76 Resp: 78102

Ion Ratio Lower Upper

76 100

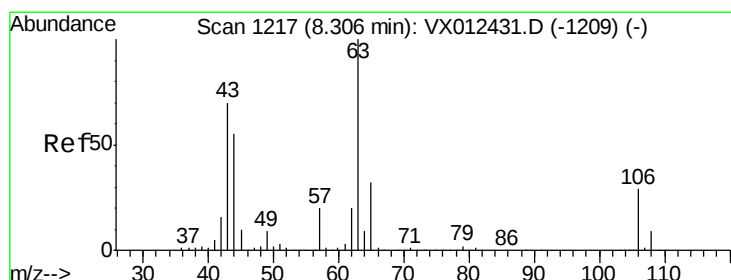
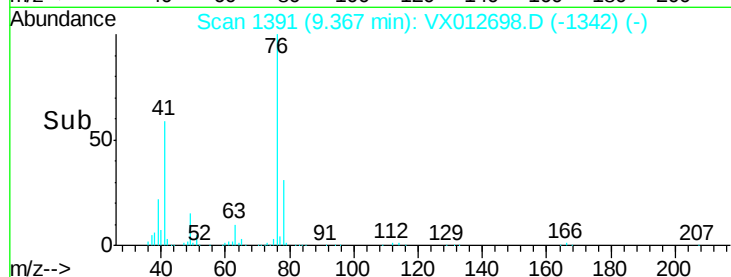
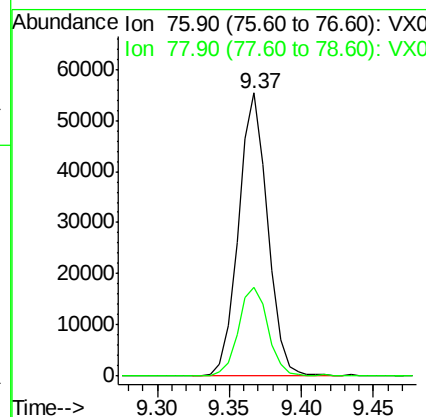
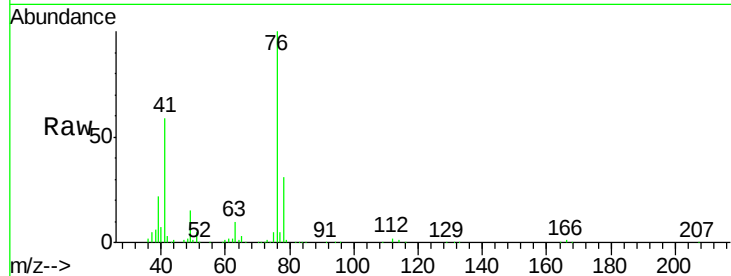
78 32.2 26.2 39.2

Manual Integrations

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MMDadoda

10/1/2019 10:07:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 100.739 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012698.D

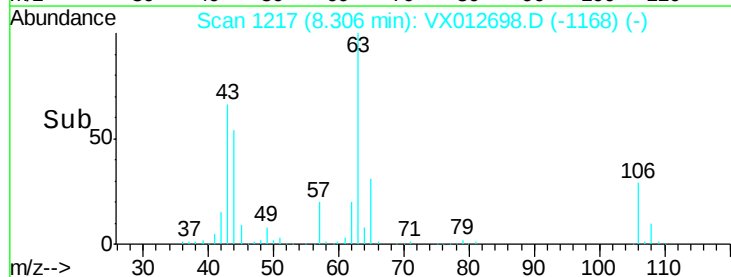
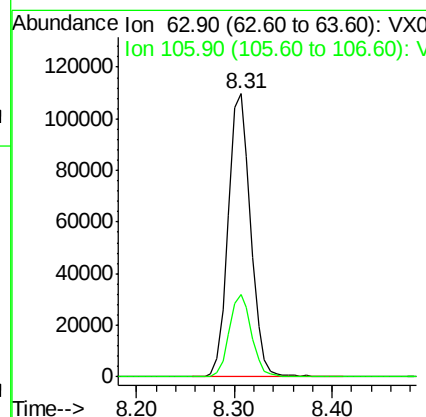
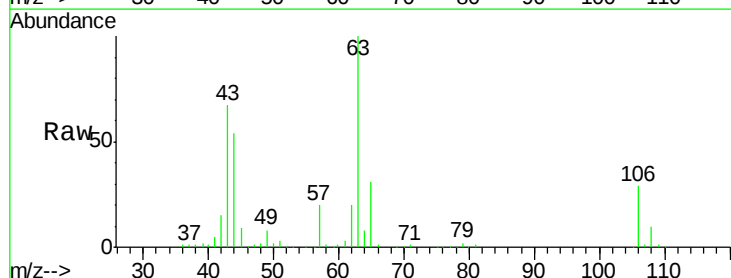
Acq: 30 Sep 2019 12:25

Tgt Ion: 63 Resp: 174581

Ion Ratio Lower Upper

63 100

106 28.8 23.8 35.6





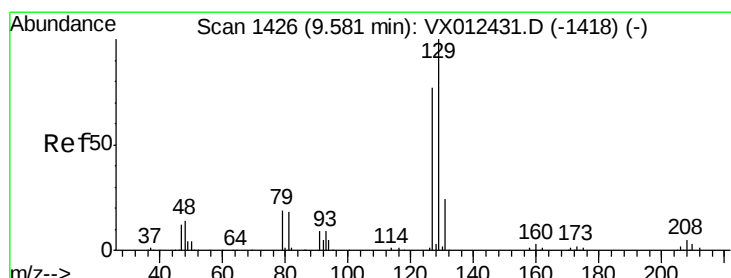
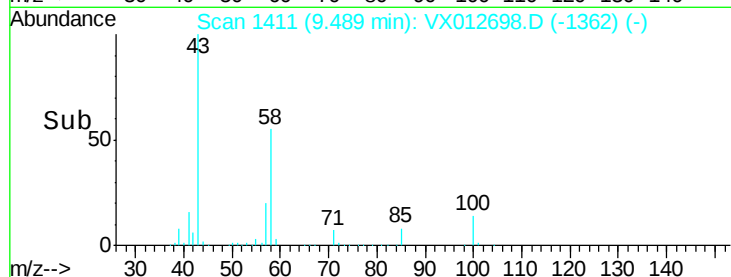
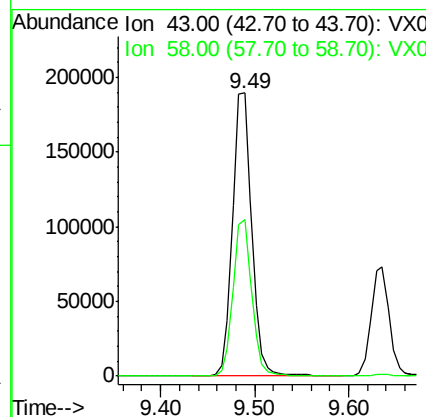
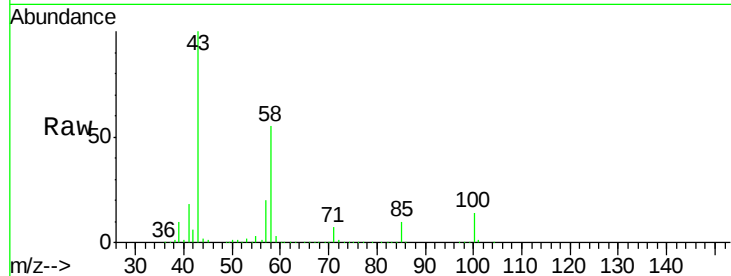
#59
2-Hexanone
Concen: 93.394 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion: 43 Resp: 269673
Ion Ratio Lower Upper
43 100
58 54.2 25.7 77.1

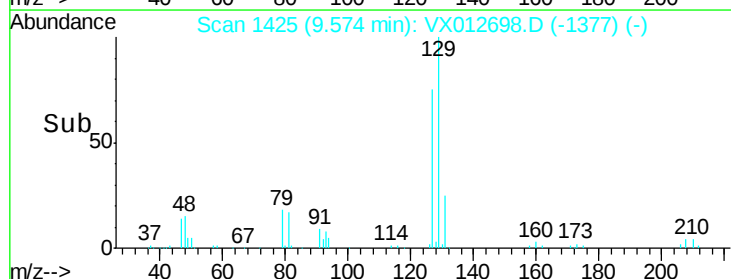
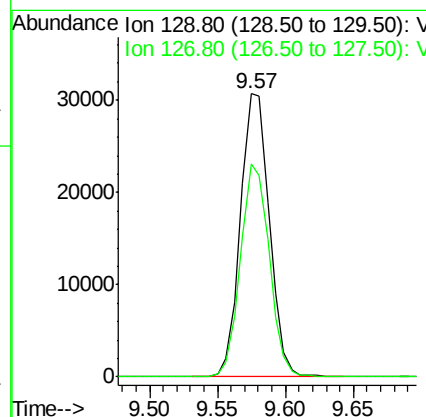
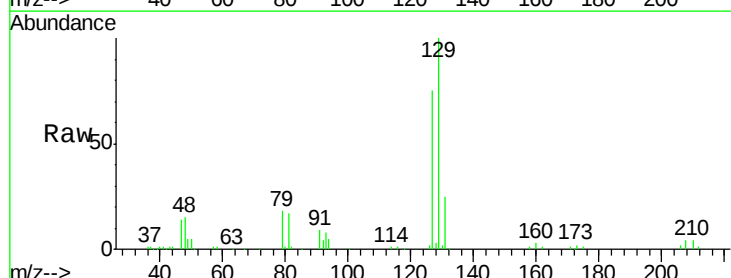
Manual Integrations
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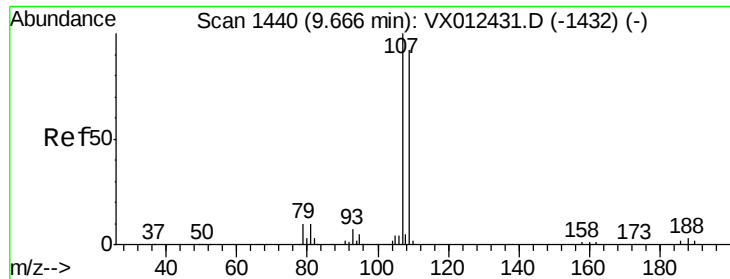
MMDadoda
10/1/2019 10:07:39 AM



#60
Dibromochloromethane
Concen: 19.605 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion: 129 Resp: 45608
Ion Ratio Lower Upper
129 100
127 75.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.267 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion:107 Resp: 46081

Ion Ratio Lower Upper

107 100

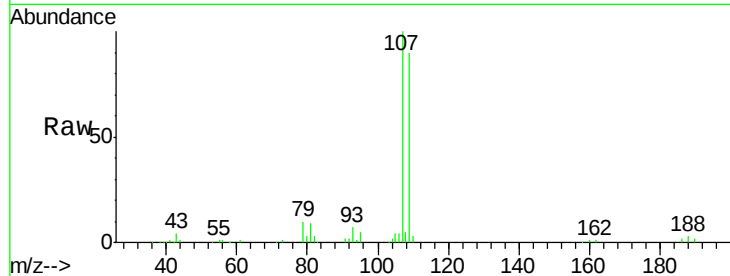
109 93.9 74.7 112.1

Manual Integrations

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10/1/2019 10:07:39 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

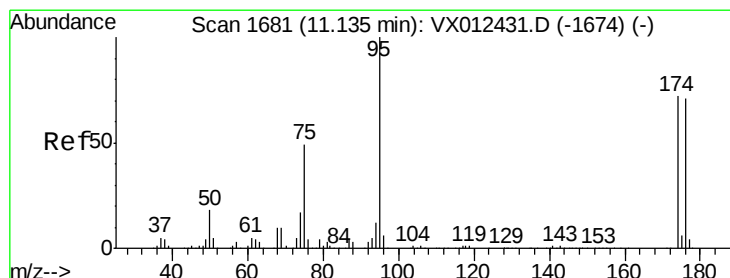
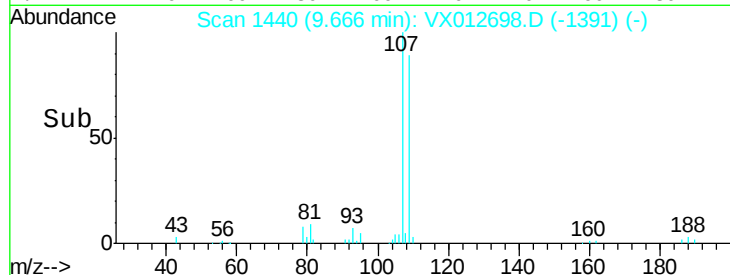
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.670 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

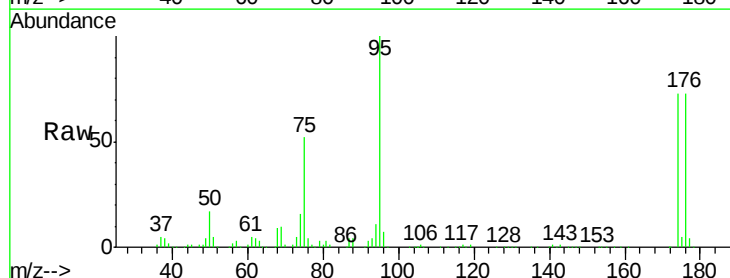
Tgt Ion: 95 Resp: 145256

Ion Ratio Lower Upper

95 100

174 68.7 0.0 140.0

176 66.9 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

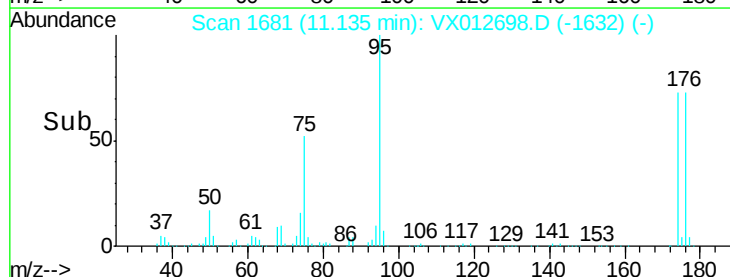
100000

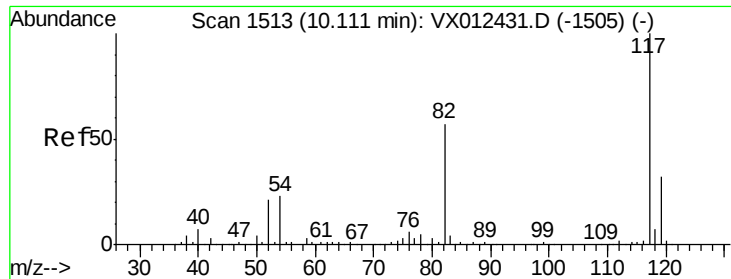
50000

0

Time-->

11.05 11.10 11.15 11.20





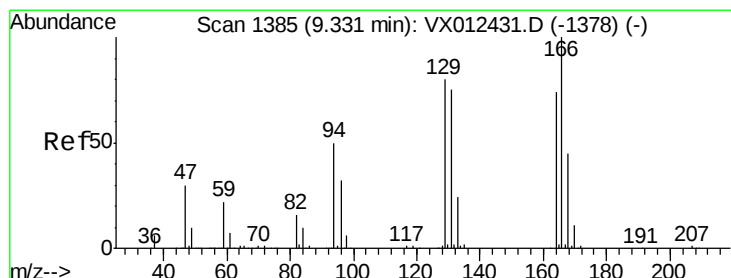
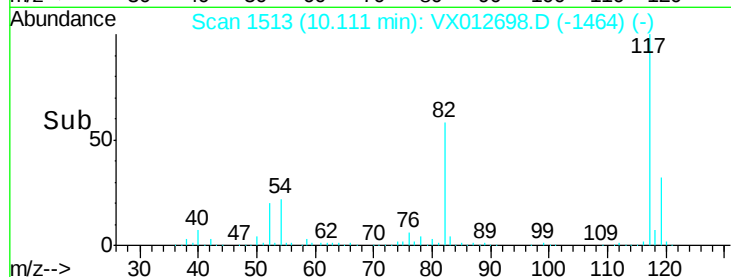
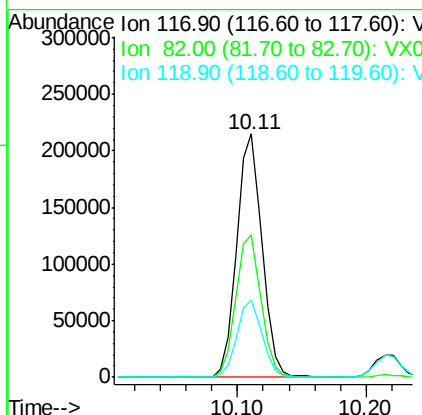
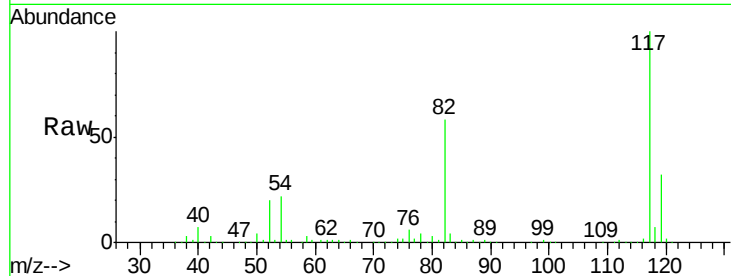
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293090		
82	58.5	45.9	68.9	
119	31.6	25.3	37.9	

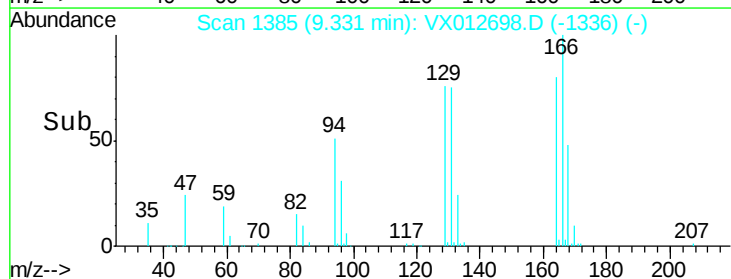
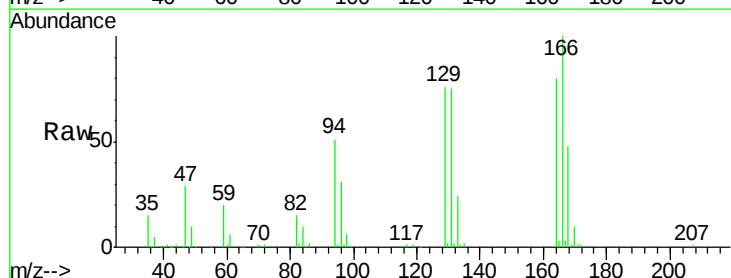
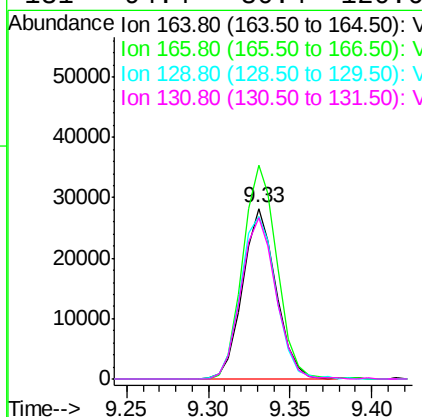
Manual Integrations
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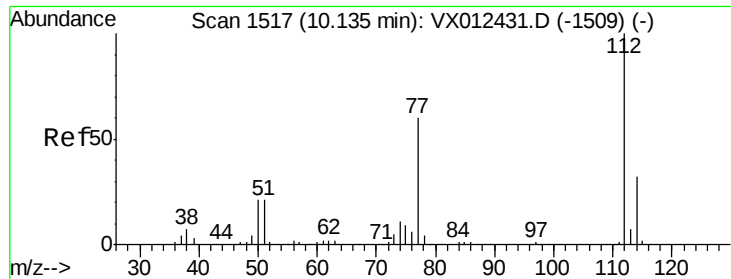
MMDadoda
10/1/2019 10:07:39 AM



#64
Tetrachloroethene
Concen: 19.599 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40050		
166	125.1	107.8	161.6	
129	94.9	86.2	129.2	
131	94.4	80.4	120.6	





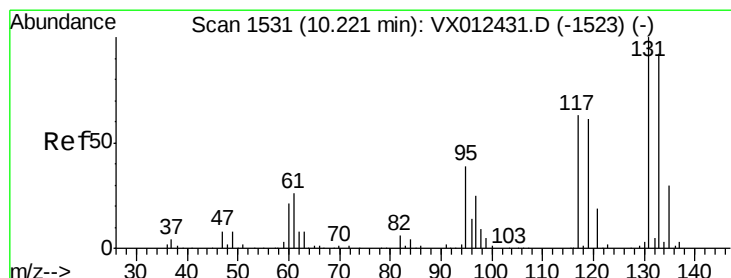
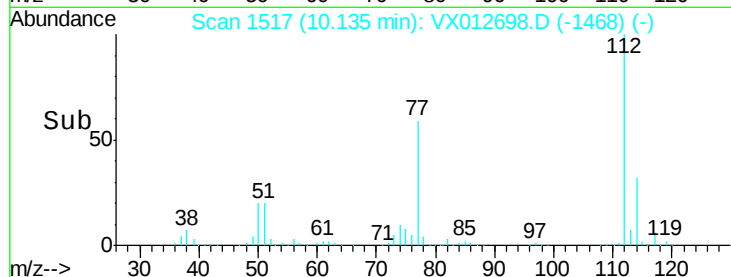
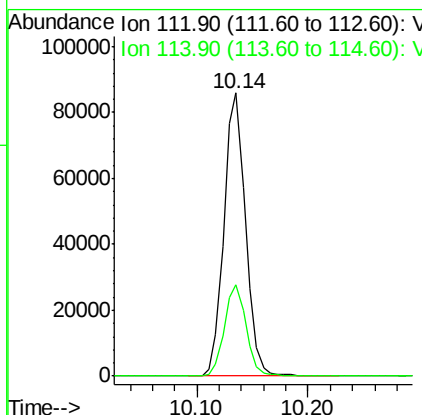
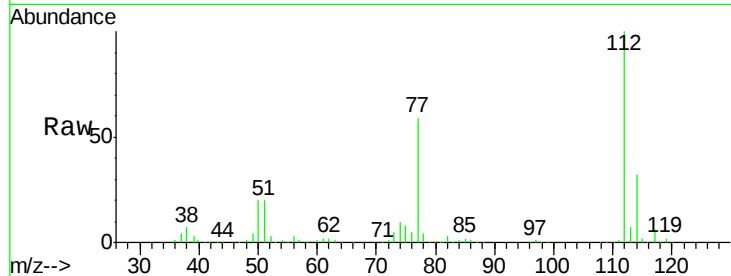
#65
Chlorobenzene
Concen: 18.699 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
VX0930WBS01

Tot Ion:112 Resp: 115408
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

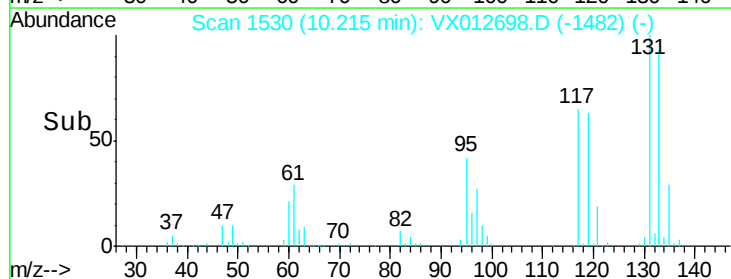
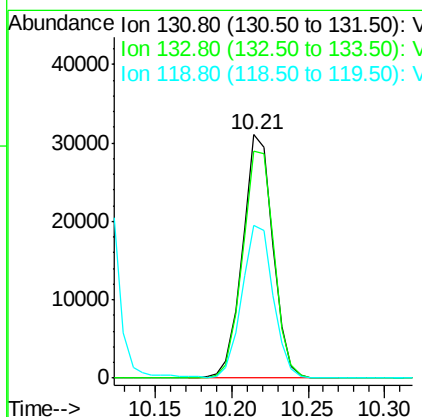
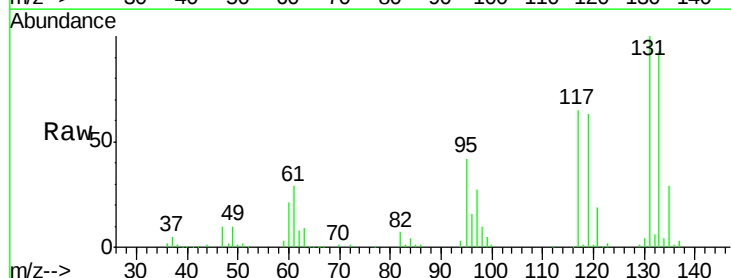
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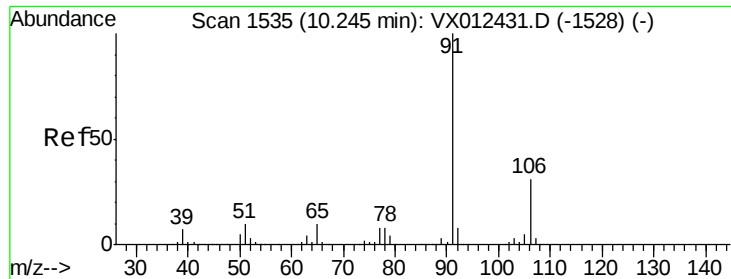
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.025 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion:131 Resp: 42544
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 64.9 31.3 93.8





#67

Ethyl Benzene

Concen: 18.819 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VX0930WBS01

Tot Ion: 91 Resp: 210662

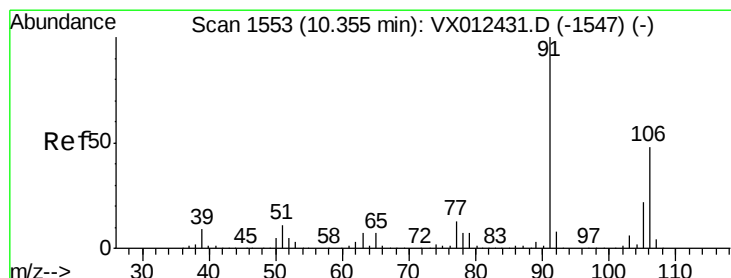
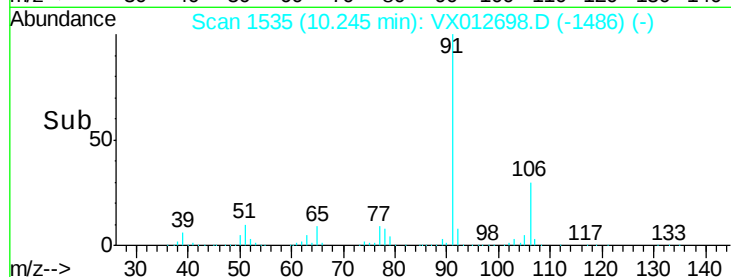
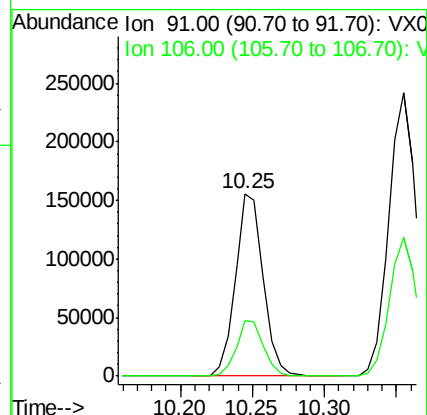
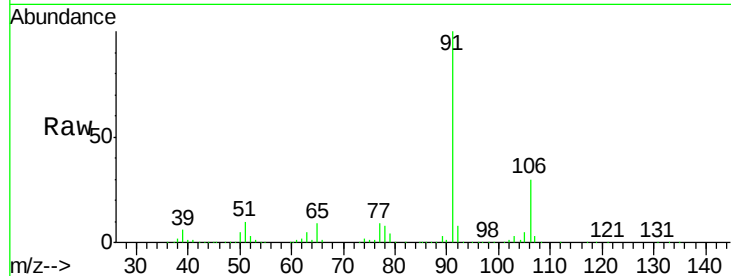
Ion Ratio Lower Upper

91 100

106 30.3 24.6 37.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 37.552 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012698.D

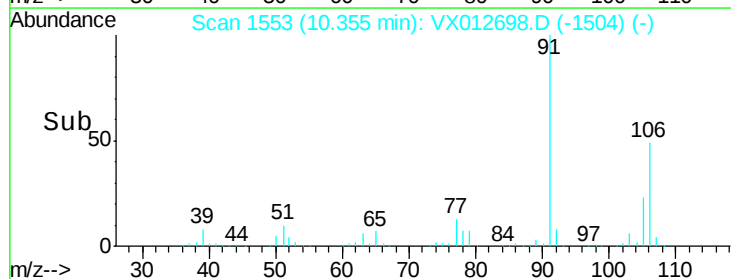
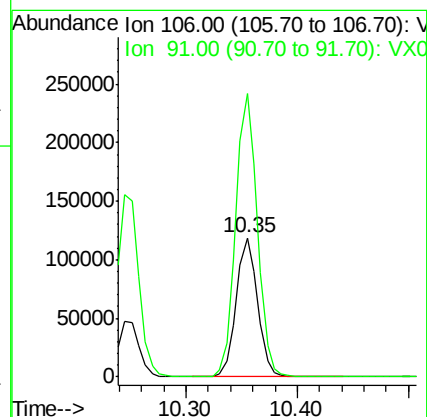
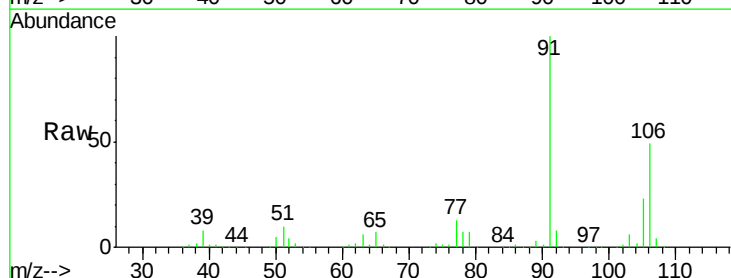
Acq: 30 Sep 2019 12:25

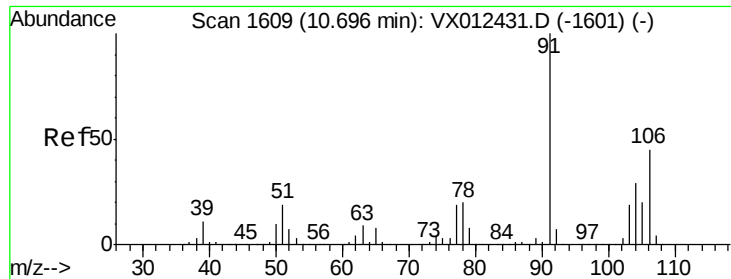
Tgt Ion: 106 Resp: 157469

Ion Ratio Lower Upper

106 100

91 206.1 166.6 250.0





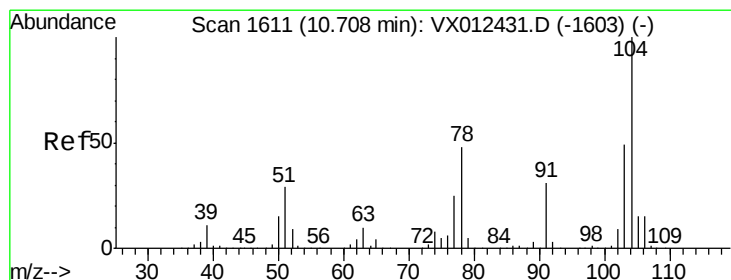
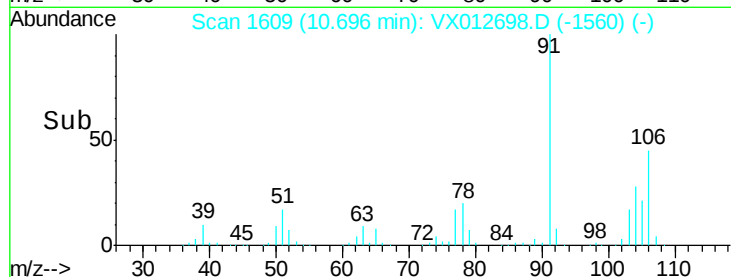
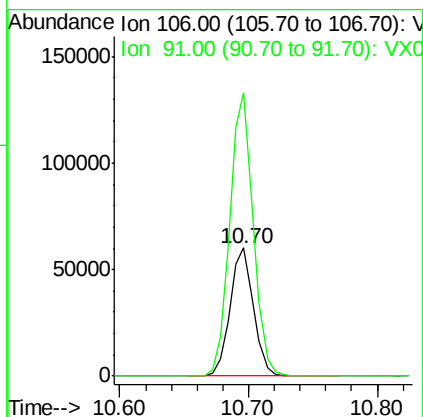
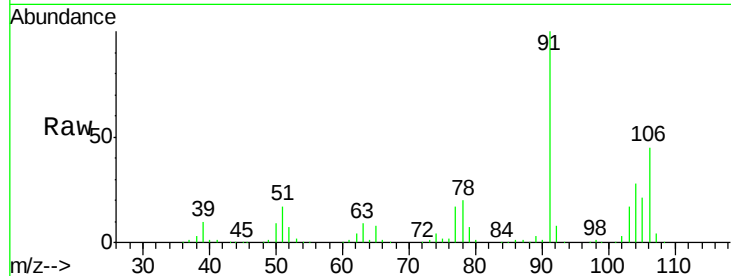
#69
o-Xylene
Concen: 18.863 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
VX0930WBS01

Tot Ion:106 Resp: 76539
Ion Ratio Lower Upper
106 100
91 222.0 109.4 328.2

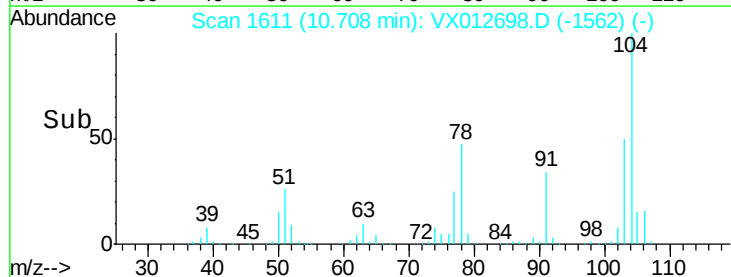
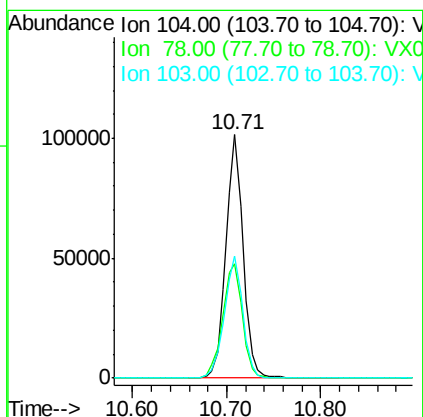
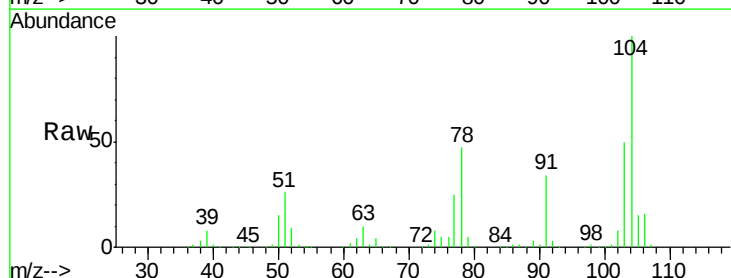
Manual Integrations
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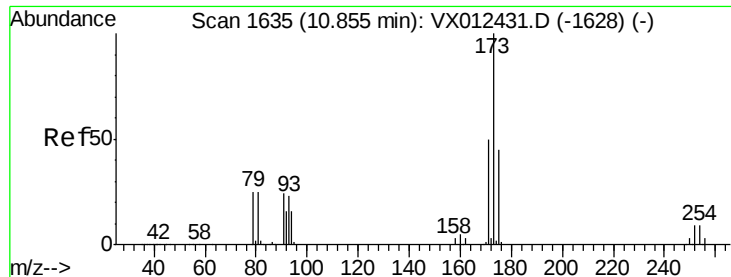
MMDadoda
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#70
Styrene
Concen: 18.960 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion:104 Resp: 128973
Ion Ratio Lower Upper
104 100
78 53.7 43.4 65.2
103 53.4 43.3 64.9





#71

Bromoform

Concen: 18.958 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion:173 Resp: 29520

Ion Ratio Lower Upper

173 100

175 46.1 23.7 71.1

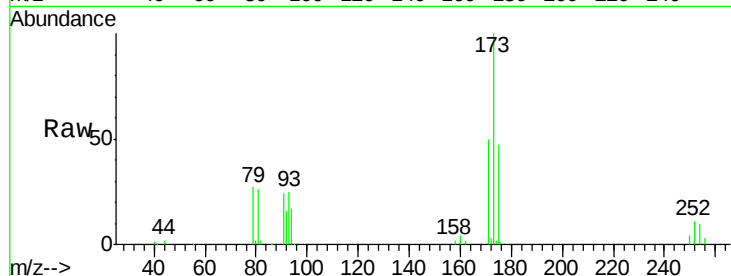
254 0.0 0.1 0.1#

Manual Integrations

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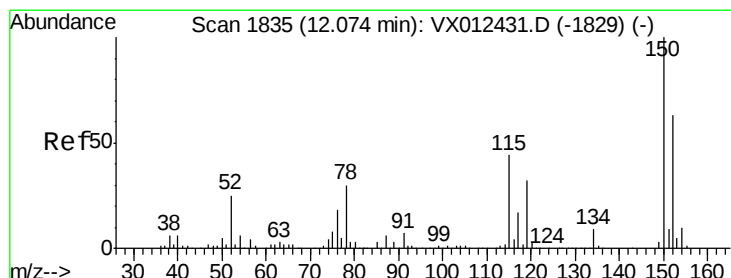
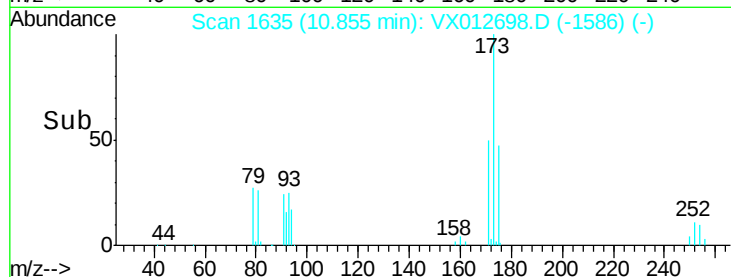
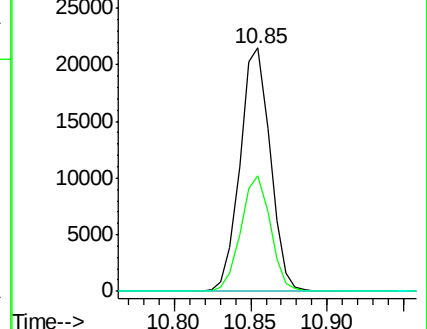
10/1/2019 10:07:39 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

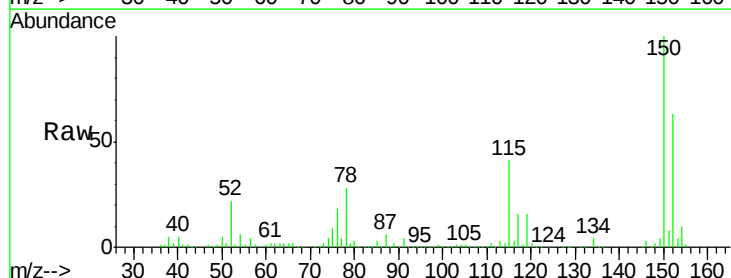
Tgt Ion:152 Resp: 131511

Ion Ratio Lower Upper

152 100

115 73.3 44.1 132.3

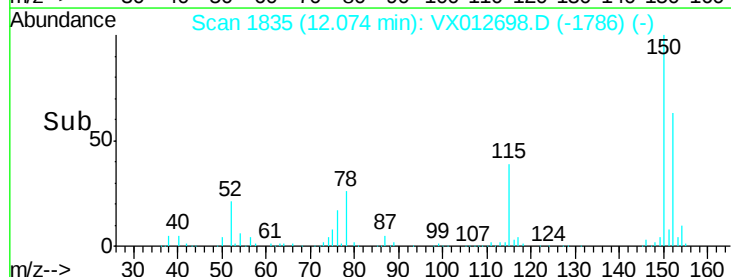
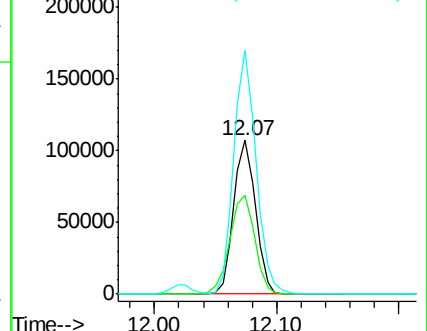
150 162.8 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.428 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 105 Resp: 208097

Ion Ratio Lower Upper

105 100

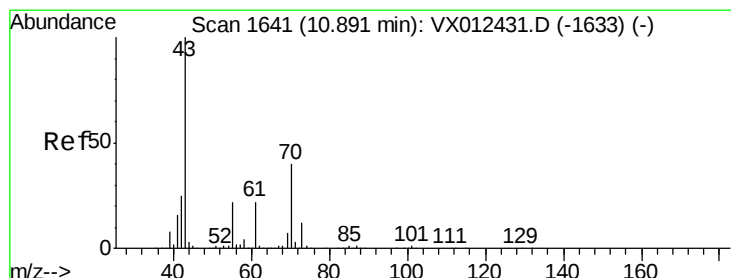
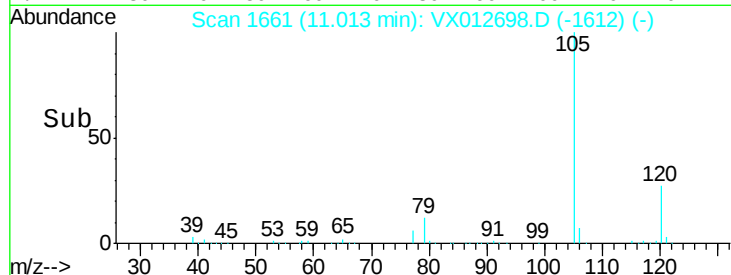
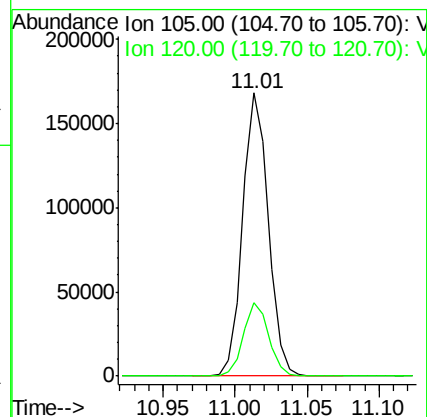
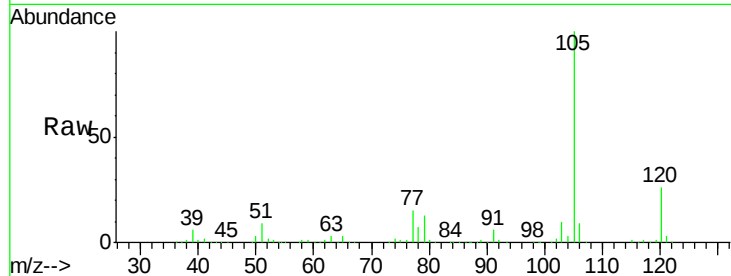
120 25.8 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.527 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion: 43 Resp: 94673

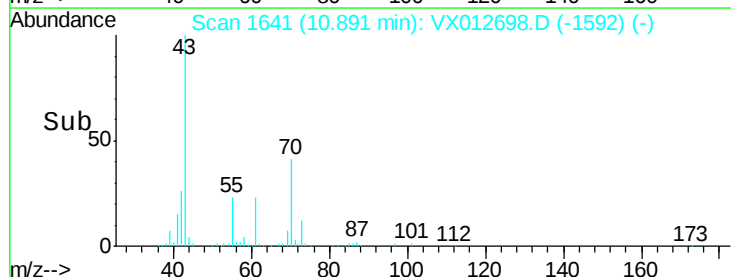
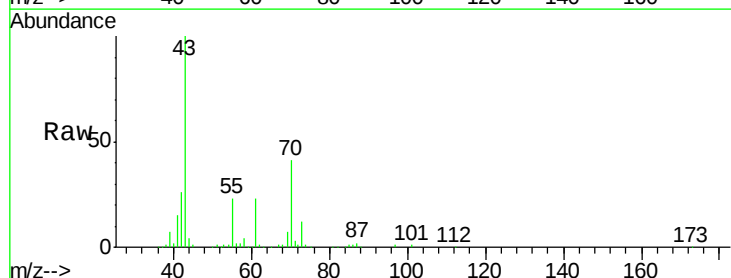
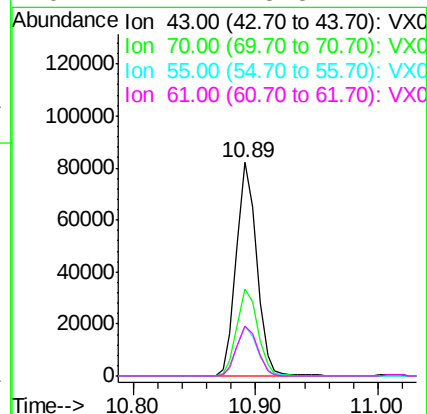
Ion Ratio Lower Upper

43 100

70 42.1 32.4 48.6

55 23.8 18.2 27.4

61 24.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.864 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

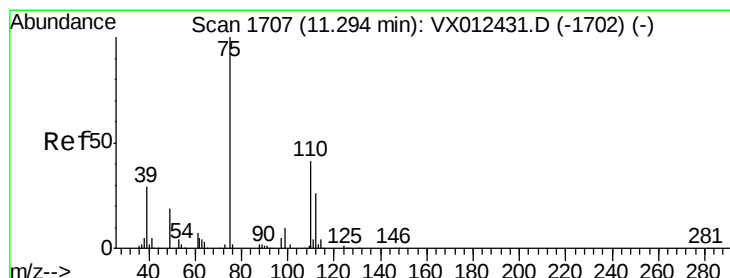
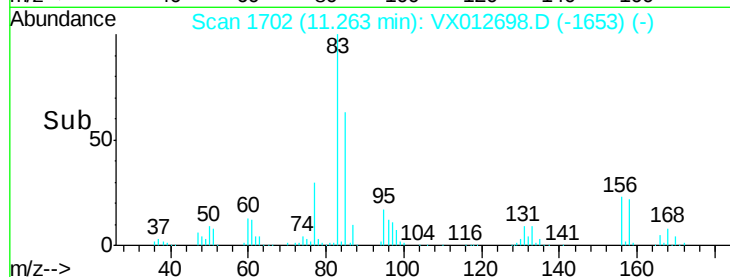
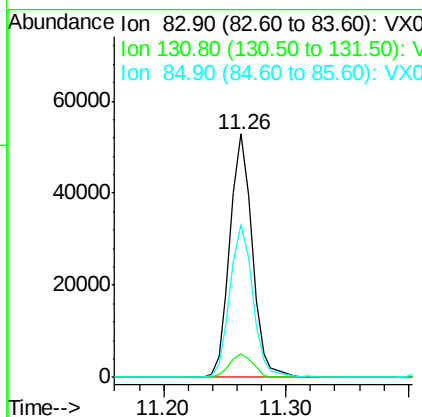
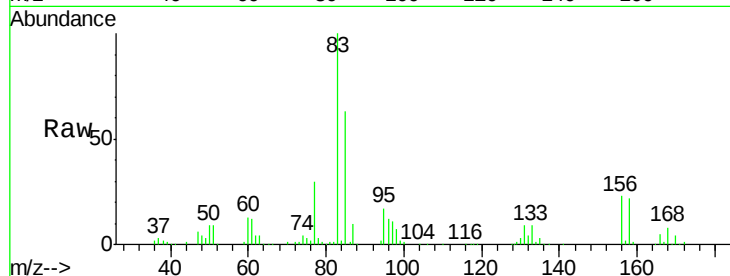
ClientSampled :

VX0930WBS01

Tot Ion:	83	Resp:	66919
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.2	15.6
85	64.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.160 ug/l m

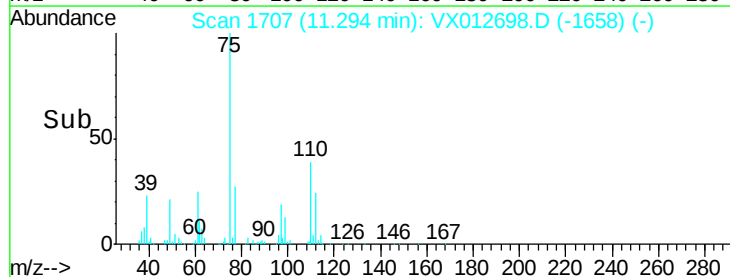
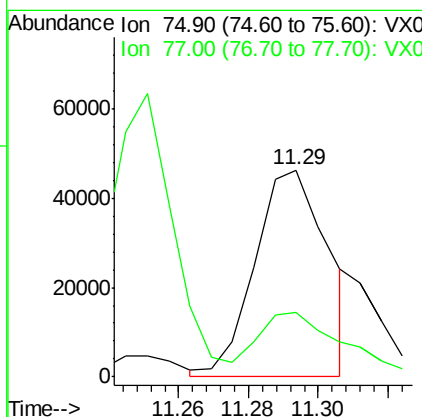
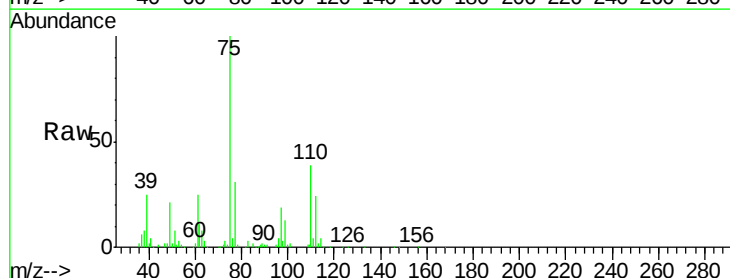
RT: 11.29 min Scan# 1707

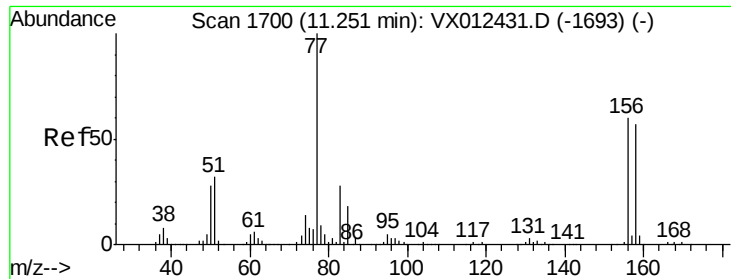
Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion:	75	Resp:	66655
Ion Ratio	Lower	Upper	
75	100		
77	36.4	19.7	59.0





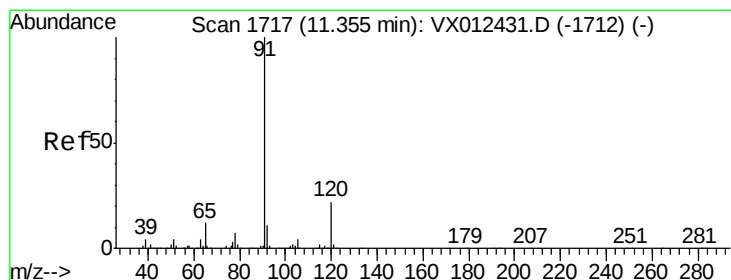
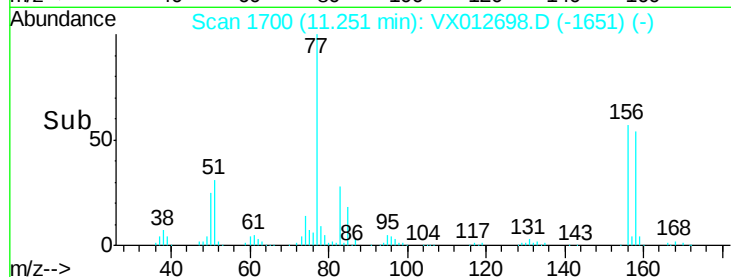
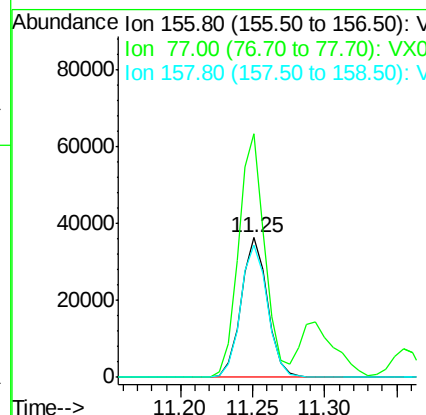
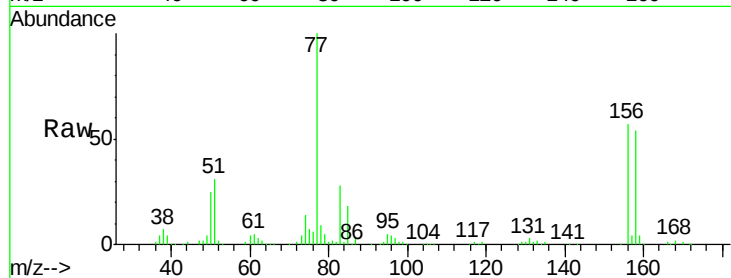
#77
Bromobenzene
Concen: 19.031 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.3	87.3	261.8
158	96.8	48.5	145.6

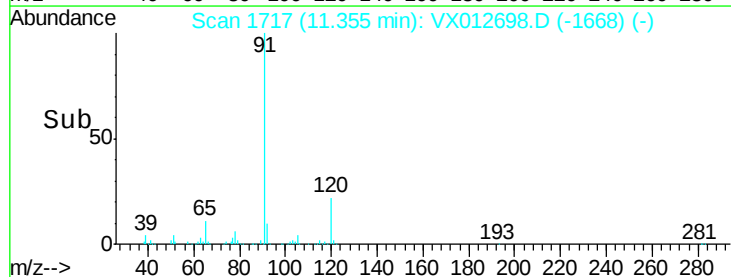
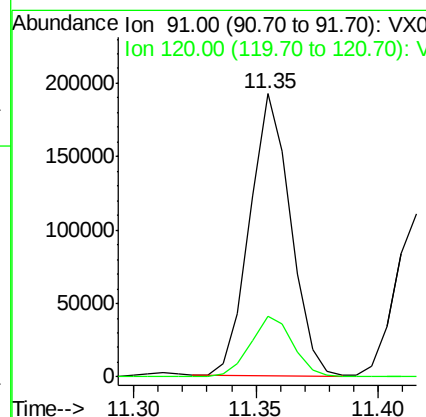
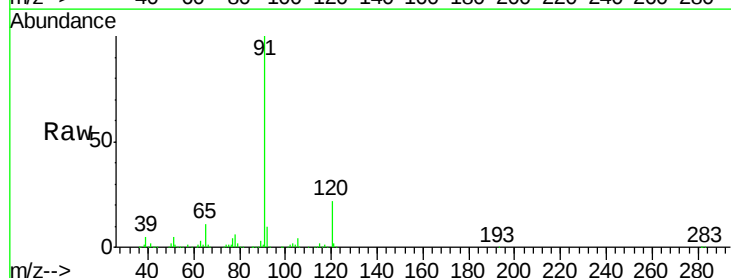
Manual Integrations
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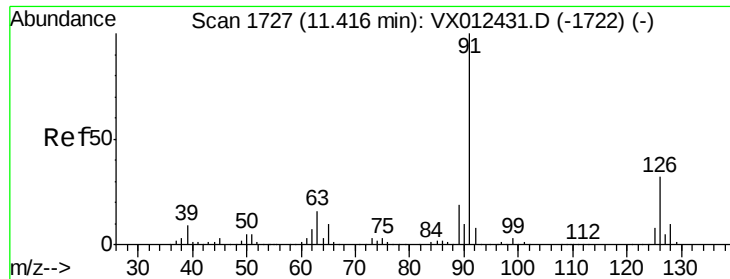
MMDadoda
10/1/2019 10:07:39 AM



#78
n-propylbenzene
Concen: 18.441 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8





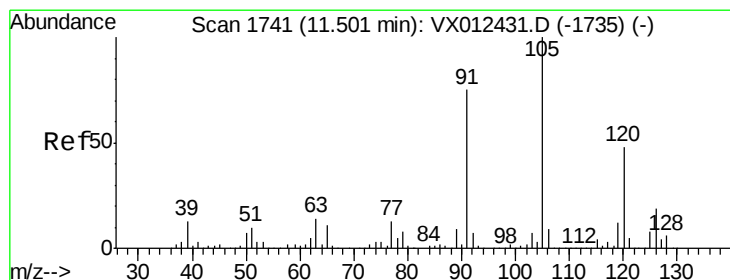
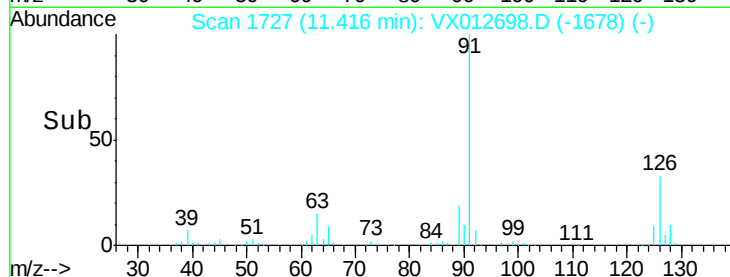
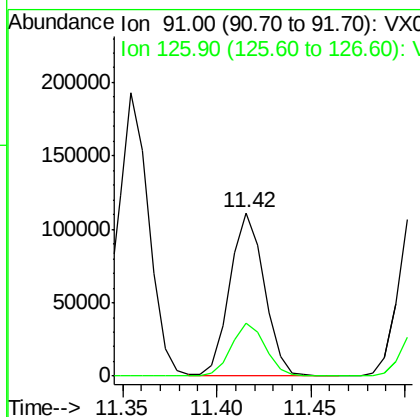
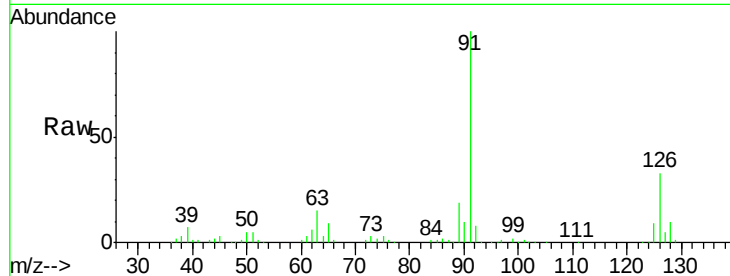
#79
 2-Chlorotoluene
 Concen: 18.630 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0930WBS01

Tot Ion: 91 Resp: 140144
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.4

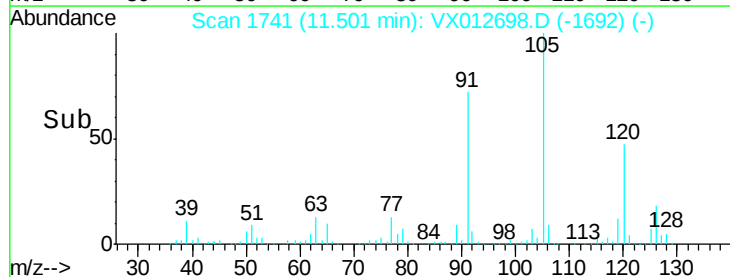
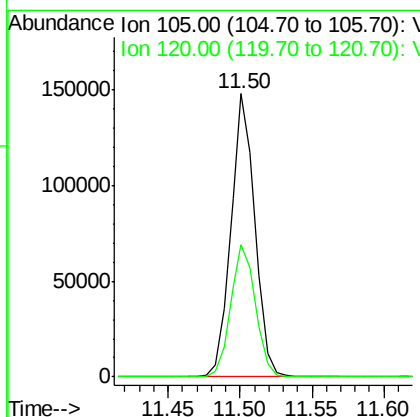
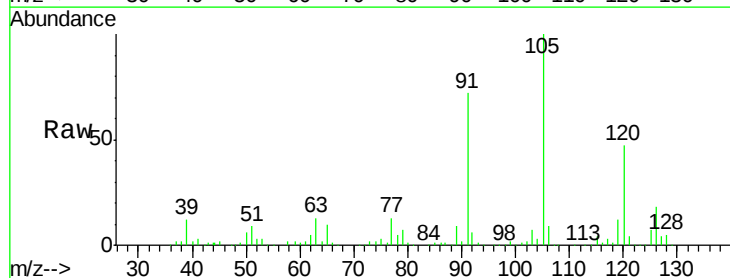
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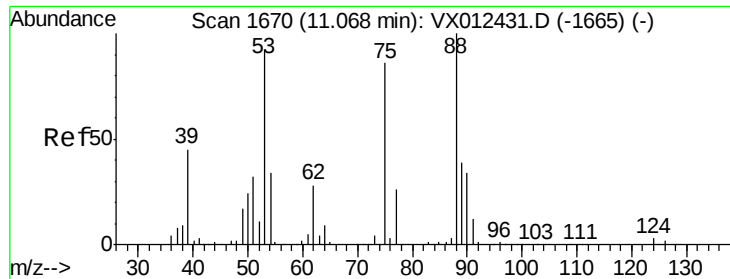
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.182 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 105 Resp: 172297
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.528 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion: 75 Resp: 21278

Ion Ratio Lower Upper

75 100

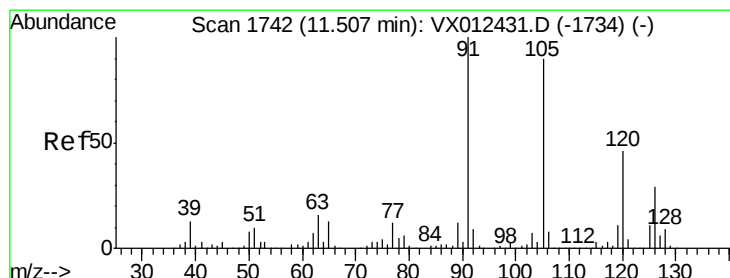
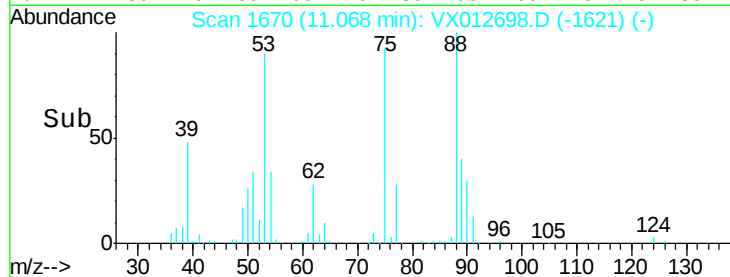
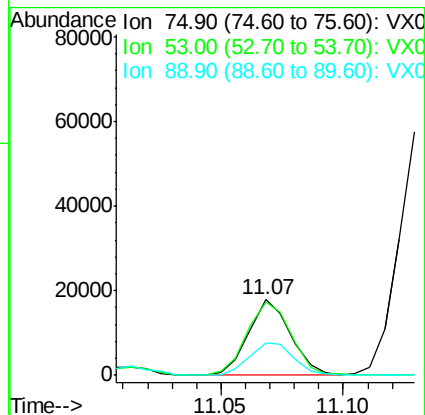
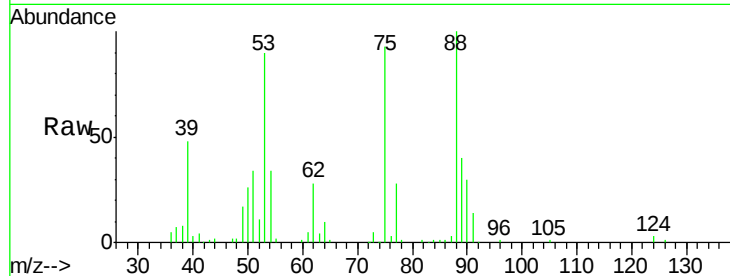
53 103.2 83.6 125.4

89 46.2 36.3 54.5

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#82

4-Chlorotoluene

Concen: 18.725 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012698.D

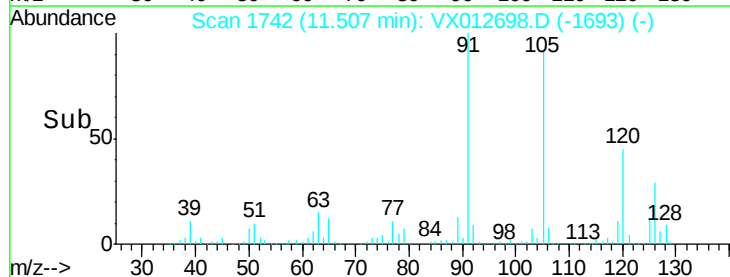
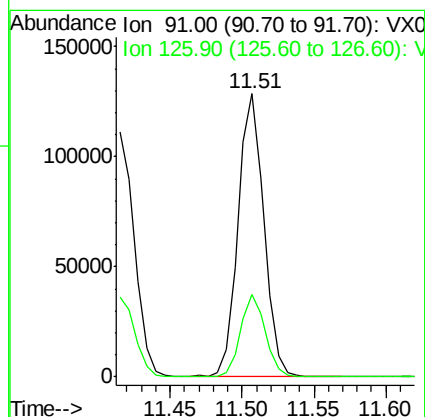
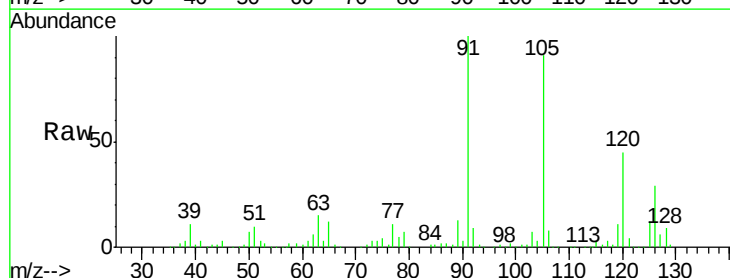
Acq: 30 Sep 2019 12:25

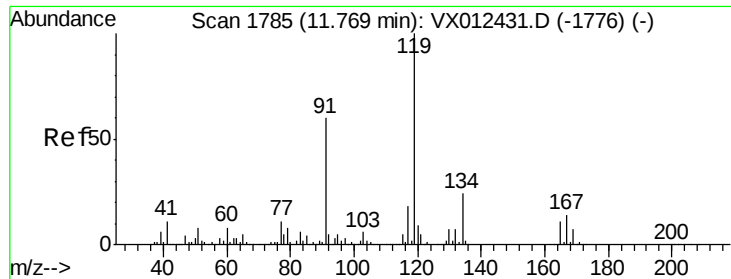
Tgt Ion: 91 Resp: 160574

Ion Ratio Lower Upper

91 100

126 27.9 14.4 43.0





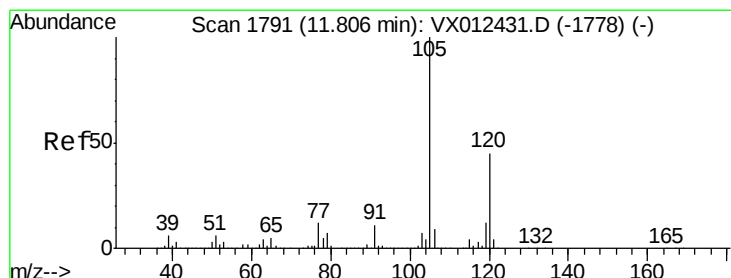
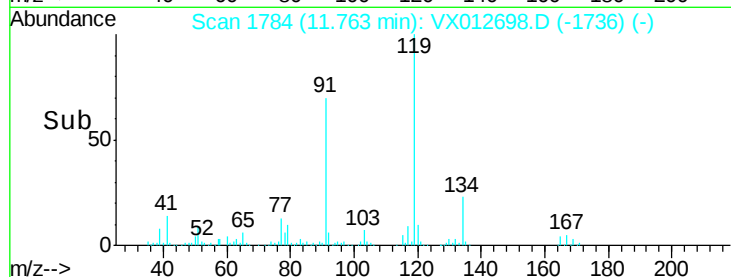
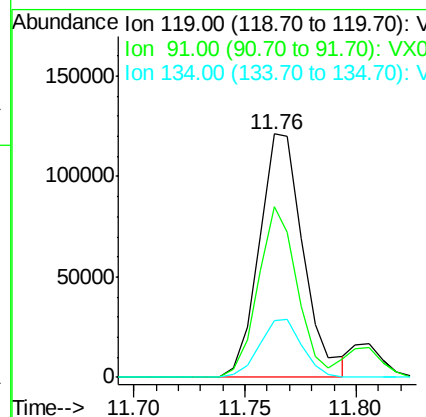
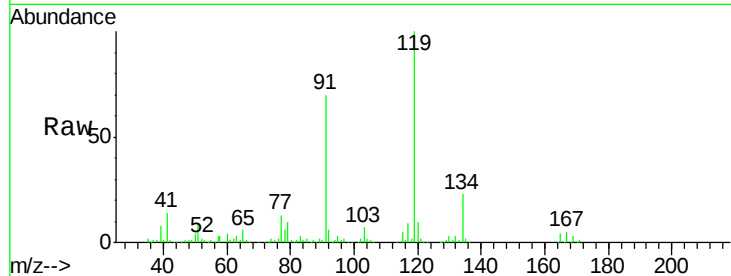
#83
 tert-Butylbenzene
 Concen: 19.283 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	167081		
91	62.1	30.0	90.0	
134	23.0	11.3	33.9	

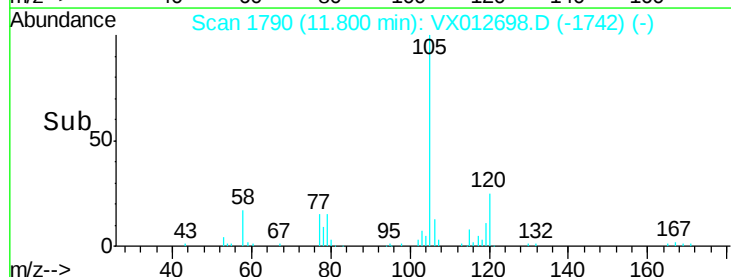
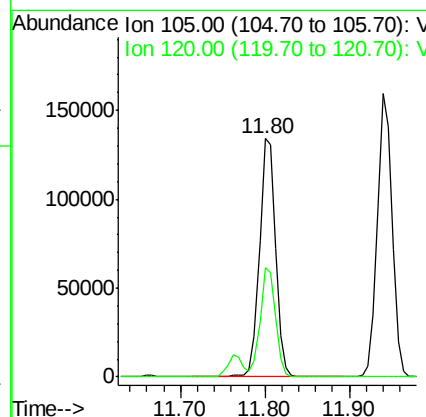
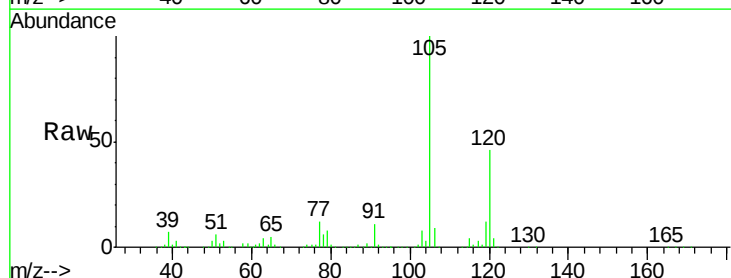
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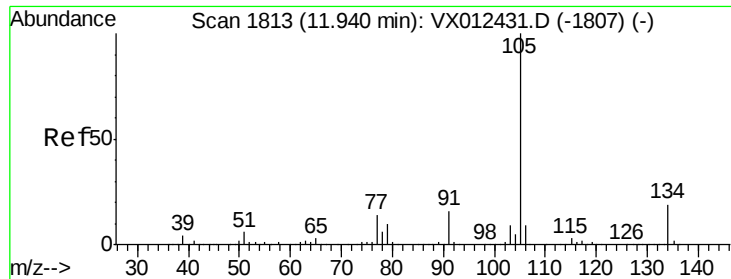
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.152 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	173539		
120	43.7	22.2	66.6	





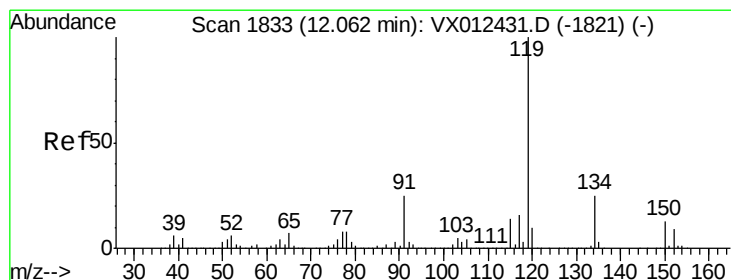
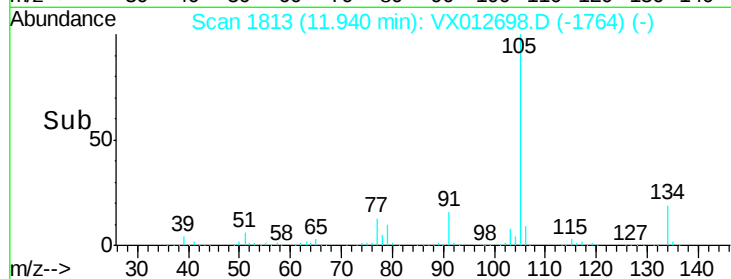
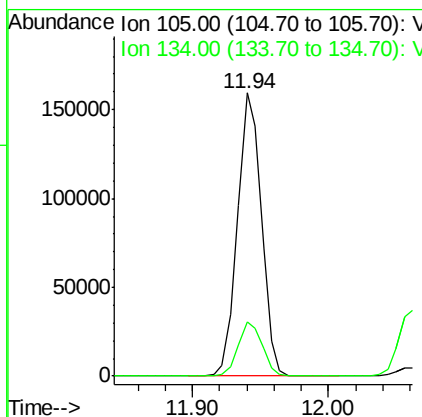
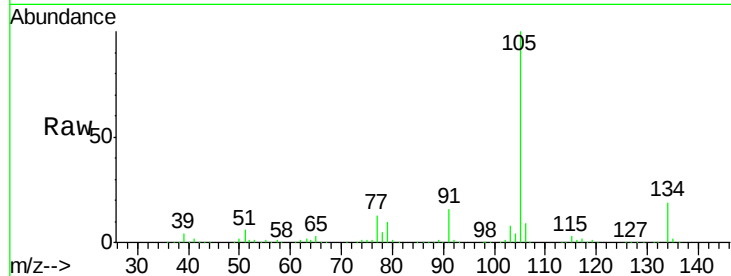
#85
 sec-Butylbenzene
 Concen: 19.348 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0930WBS01

Tot Ion:105 Resp: 194984
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4

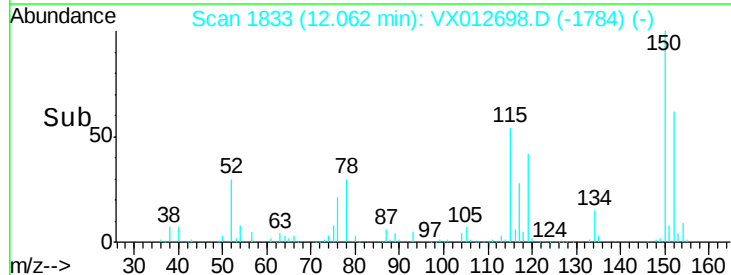
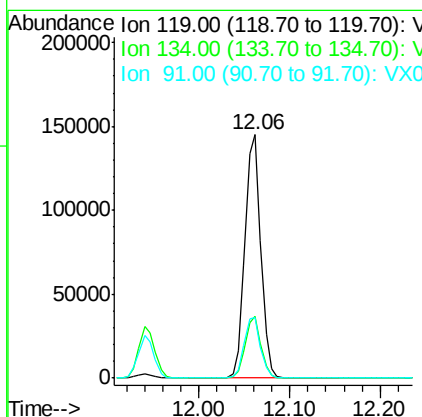
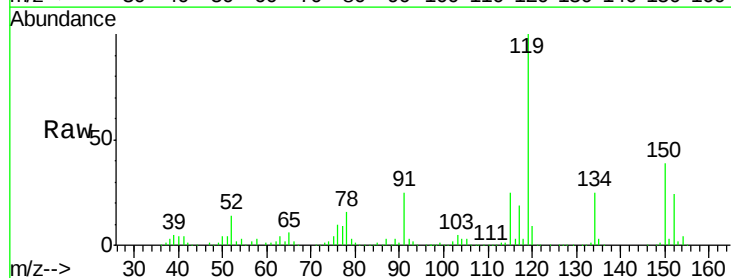
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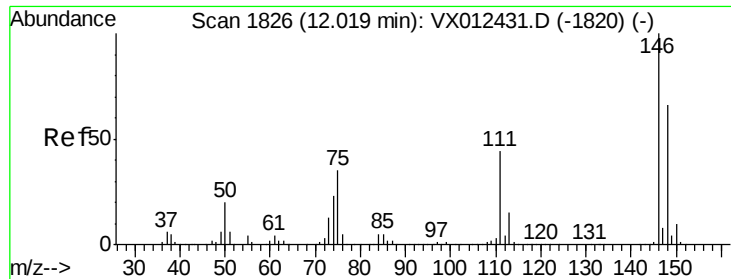
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#86
 p-Isopropyltoluene
 Concen: 19.425 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion:119 Resp: 176636
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.7 38.1
 91 25.9 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 18.742 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

Tot Ion:146 Resp: 81764

Ion Ratio Lower Upper

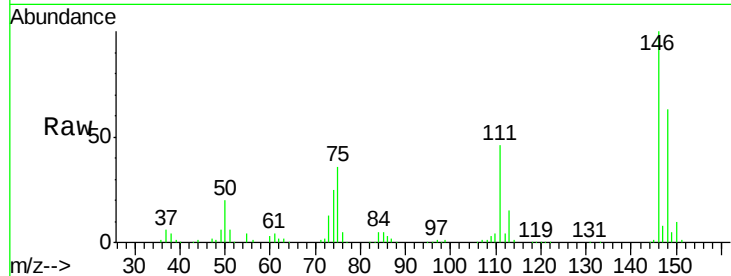
146 100

111 45.1 21.3 64.0

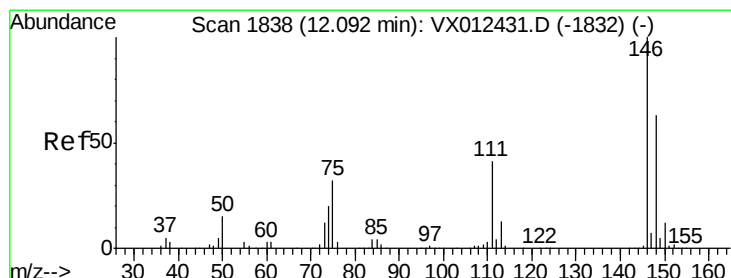
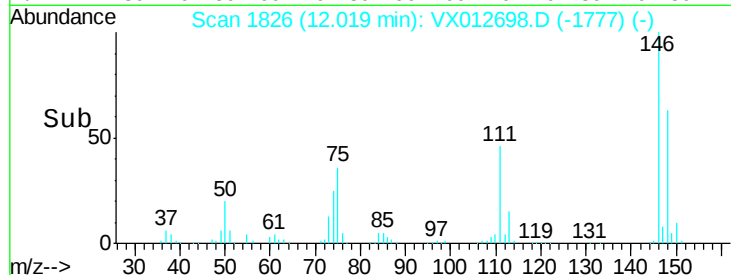
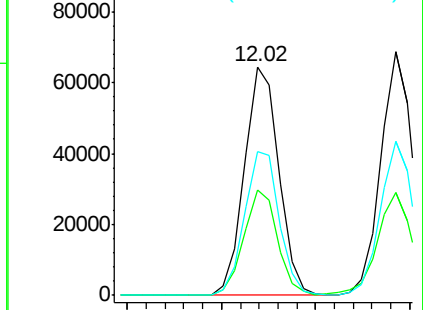
148 63.5 32.4 97.2

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.741 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

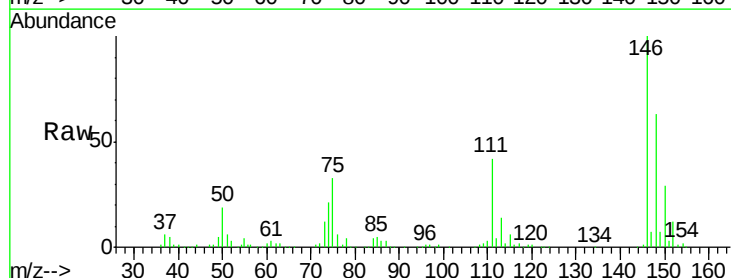
Tgt Ion:146 Resp: 82620

Ion Ratio Lower Upper

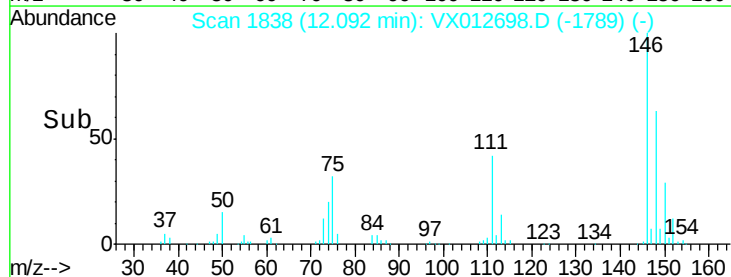
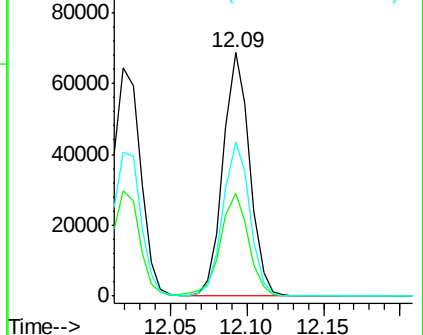
146 100

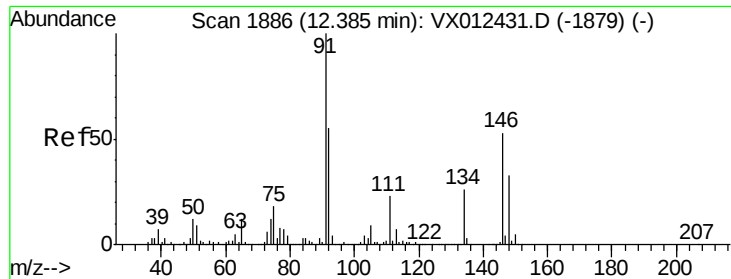
111 44.8 21.1 63.3

148 64.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





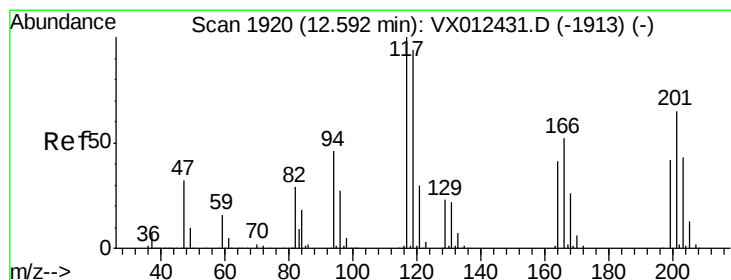
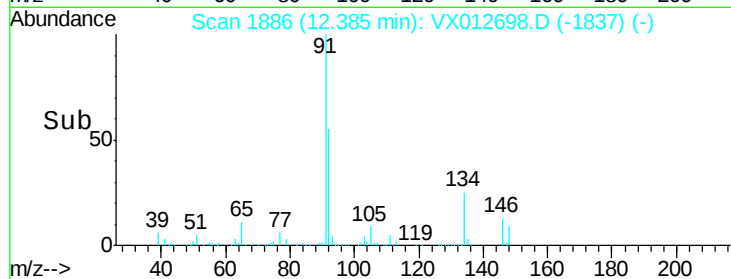
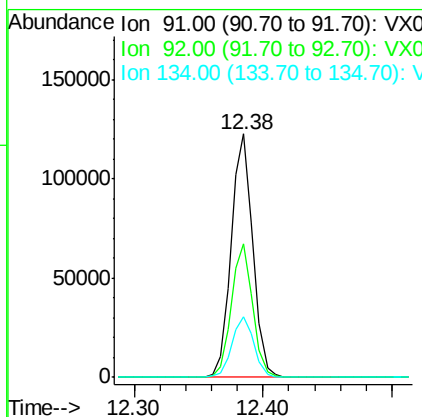
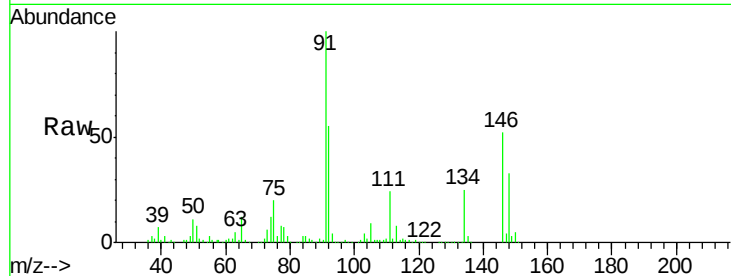
#89
n-Butylbenzene
Concen: 17.998 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	144216		
92	54.1		27.7	83.0
134	25.2		12.9	38.6

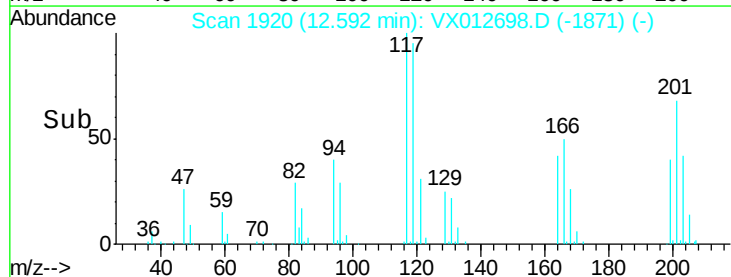
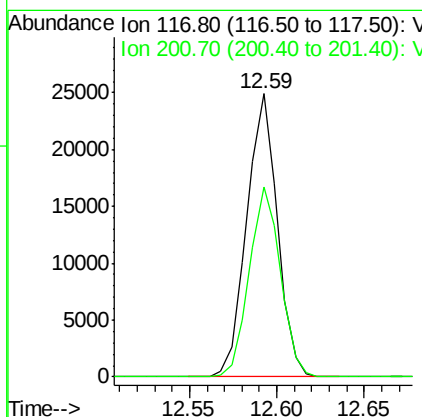
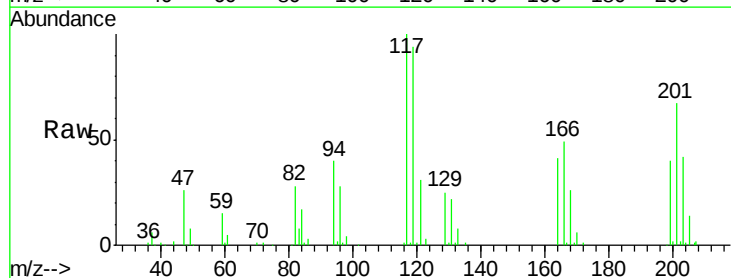
Manual Integrations
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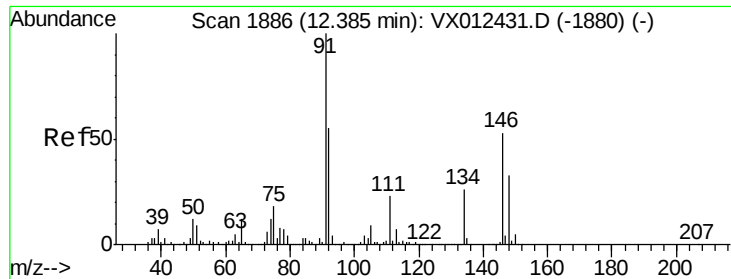
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#90
Hexachloroethane
Concen: 18.722 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30351		
201	68.2		33.3	99.8





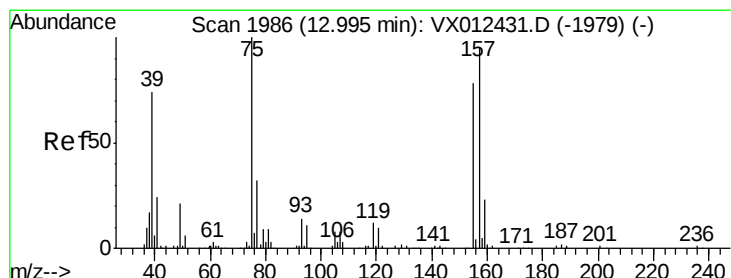
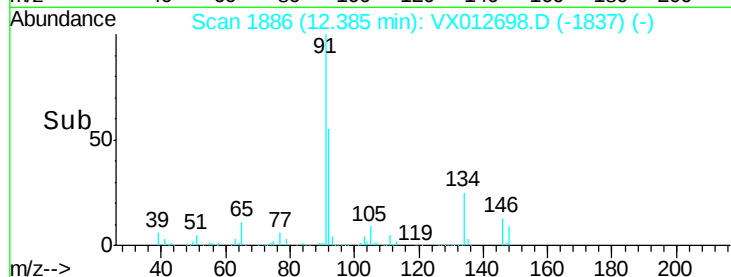
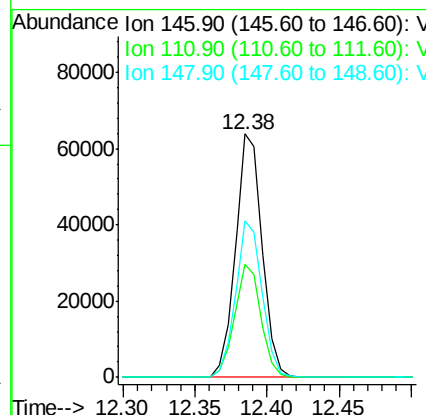
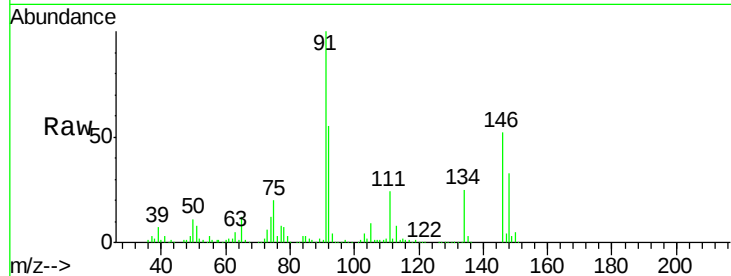
#91
 1,2-Dichlorobenzene
 Concen: 18.935 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.1	66.1
148	63.8	31.3	93.9

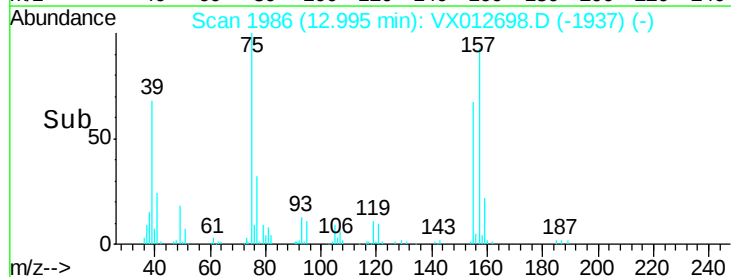
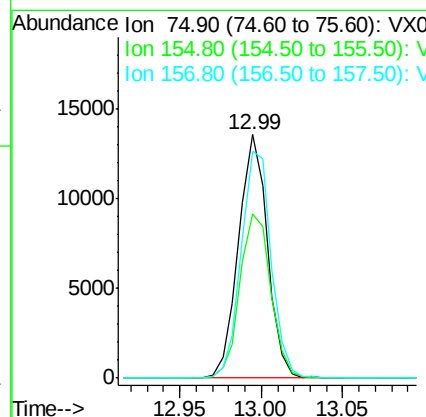
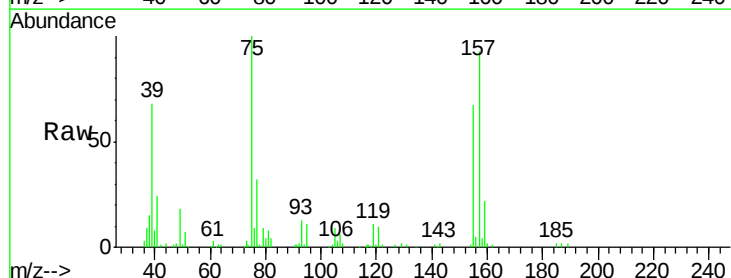
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.845 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	38.6	115.8
157	96.9	50.6	151.9





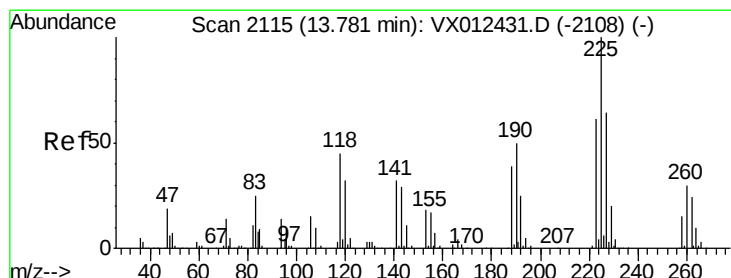
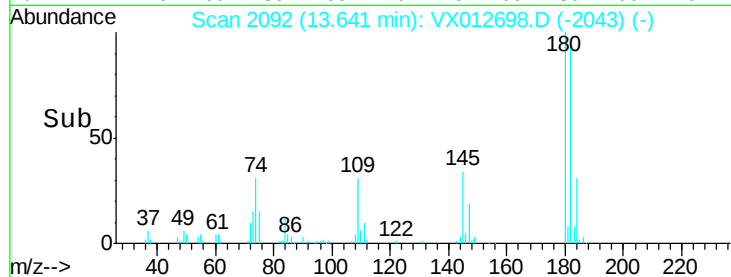
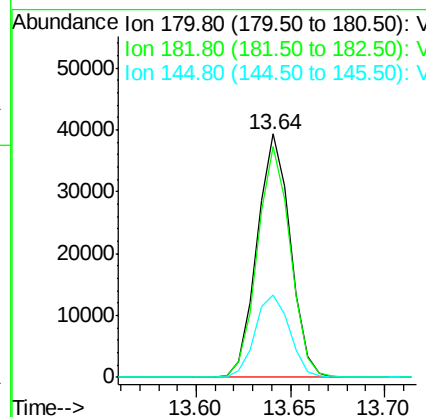
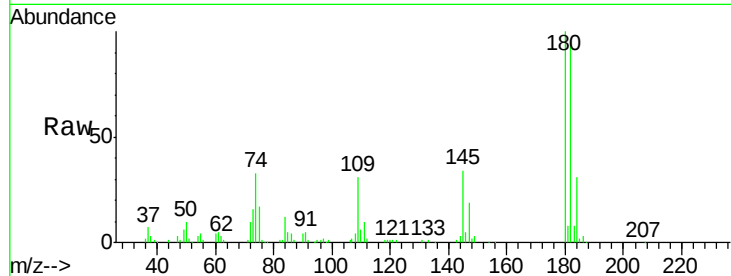
#93
 1,2,4-Trichlorobenzene
 Concen: 18.042 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48057		
182	93.9	47.0	141.0	
145	35.1	16.8	50.4	

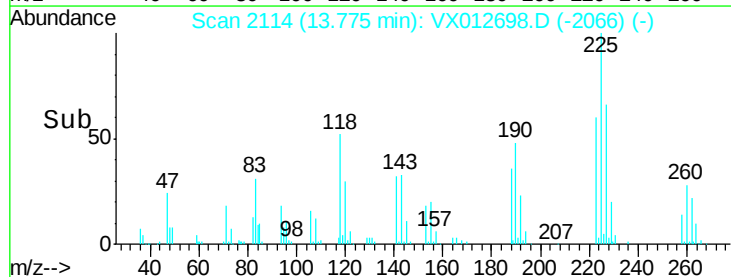
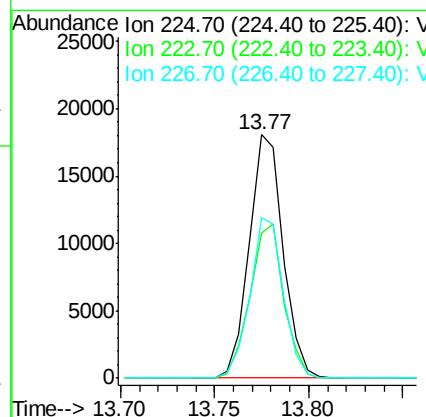
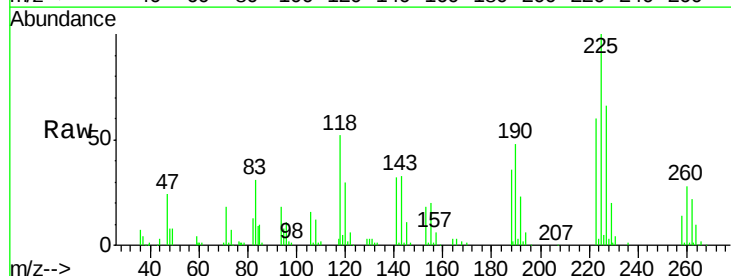
Manual Integrations
 APPROVED

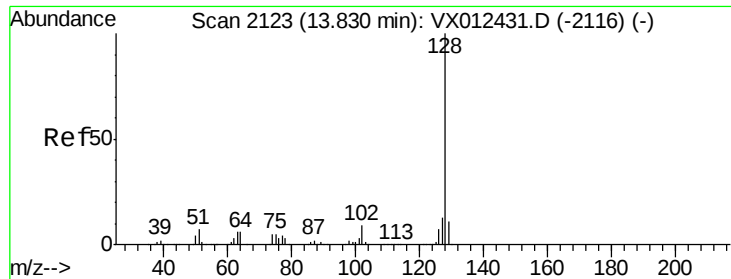
MMDadoda
 10/1/2019 10:07:39 AM



#94
 Hexachlorobutadiene
 Concen: 19.656 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22524		
223	63.0	32.0	96.2	
227	64.6	31.9	95.5	





#95

Naphthalene

Concen: 18.552 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

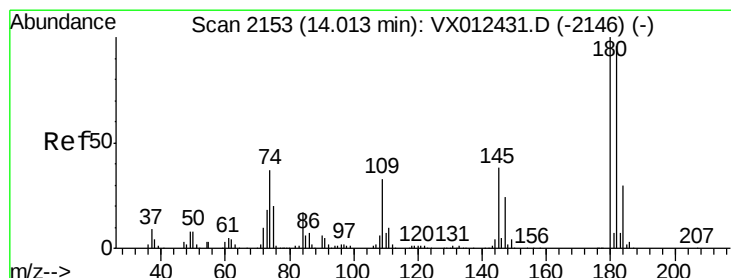
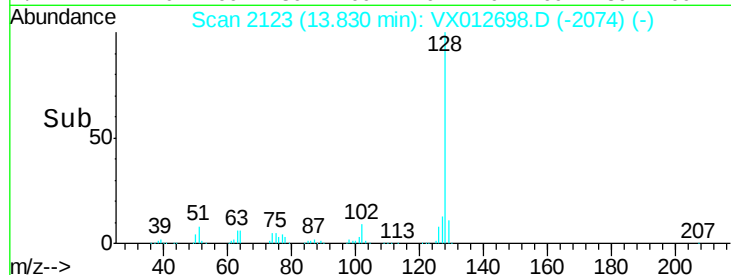
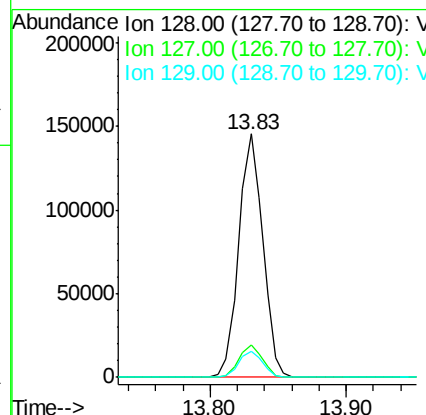
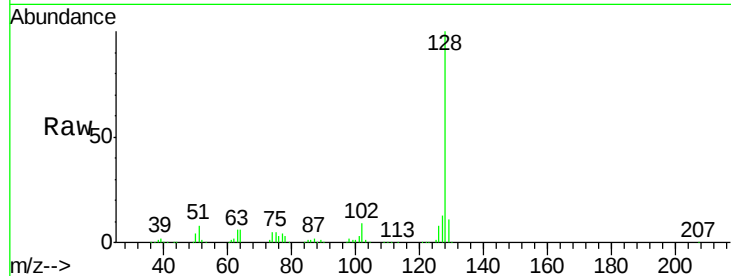
ClientSampleId :

VX0930WBS01

Tot Ion:	128	Resp:	178792
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/1/2019 10:07:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.991 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion:	180	Resp:	50672
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.1	141.3
145	36.0	18.0	54.0

