

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
 Data File : VX005559.D
 Acq On : 25 Oct 2018 00:05
 Operator : JC/MD
 Sample : VX1024WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:55 AM

Quant Time: Oct 25 06:34:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	209239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309625	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	131025	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	5.50	113	101549	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	8.71	98	391225	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.14	95	142033	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29673	14.367	ug/l	97
3) Chloromethane	1.32	50	42076	15.998	ug/l	99
4) Vinyl Chloride	1.40	62	44072	17.041	ug/l	97
5) Bromomethane	1.64	94	29567	18.373	ug/l	98
6) Chloroethane	1.72	64	28591	17.306	ug/l	97
7) Trichlorofluoromethane	1.93	101	68331	19.015	ug/l	95
8) Diethyl Ether	2.19	74	26981	18.814	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.39	101	38292	18.572	ug/l	98
10) Methyl Iodide	2.51	142	39467	20.055	ug/l	98
11) Tert butyl alcohol	3.06	59	69977	101.812	ug/l	100
12) 1,1-Dichloroethene	2.37	96	36619	18.644	ug/l	93
13) Acrolein	2.29	56	36567	104.297	ug/l	96
14) Allyl chloride	2.73	41	81545	18.603	ug/l	97
15) Acrylonitrile	3.15	53	148413	96.295	ug/l	98
16) Acetone	2.45	43	133985	99.274	ug/l	94
17) Carbon Disulfide	2.57	76	105399	17.604	ug/l	98
18) Methyl Acetate	2.78	43	71747	20.661	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	134442	19.189	ug/l	97
20) Methylene Chloride	2.85	84	43032	19.037	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	40355	18.818	ug/l	96
22) Diisopropyl ether	3.87	45	141087	18.431	ug/l	95
23) Vinyl Acetate	3.82	43	658232	97.635	ug/l #	91
24) 1,1-Dichloroethane	3.70	63	80336	19.303	ug/l	97
25) 2-Butanone	4.70	43	210221	102.285	ug/l #	86
26) 2,2-Dichloropropane	4.59	77	48689	15.153	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	44041	19.049	ug/l	95
28) Bromochloromethane	5.02	49	43838	21.778	ug/l	85
29) Tetrahydrofuran	5.15	42	138577	103.608	ug/l	90
30) Chloroform	5.21	83	74336	19.095	ug/l	96
31) Cyclohexane	5.57	56	63218	18.359	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	63944	18.610	ug/l	99
36) 1,1-Dichloropropene	5.80	75	55310	18.407	ug/l	99
37) Ethyl Acetate	4.85	43	73743	19.232	ug/l	97
38) Carbon Tetrachloride	5.78	117	56446	17.836	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59287	17.868	ug/l	93
40) Benzene	6.14	78	161619	18.763	ug/l	100
41) Methacrylonitrile	5.06	41	41329	19.350	ug/l	94
42) 1,2-Dichloroethane	6.20	62	62602	19.132	ug/l	96
43) Isopropyl Acetate	6.46	43	104537	18.194	ug/l	96
44) Trichloroethene	7.21	130	45029	19.190	ug/l	90
45) 1,2-Dichloropropane	7.52	63	44244	19.106	ug/l	99
46) Dibromomethane	7.66	93	28462	19.030	ug/l	97
47) Bromodichloromethane	7.90	83	55586	19.149	ug/l	99
48) Methyl methacrylate	7.77	41	54445	19.451	ug/l	92
49) 1,4-Dioxane	7.75	88	23499	384.154	ug/l	89
51) 4-Methyl-2-Pentanone	8.65	43	375402	97.215	ug/l	93
52) Toluene	8.79	92	101533	19.396	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	56290	17.942	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	63774	18.880	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	42378	19.201	ug/l	97
56) Ethyl methacrylate	9.18	69	61503	18.682	ug/l	92
57) 1,3-Dichloropropane	9.37	76	70902	18.986	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	187413	101.931	ug/l	94
59) 2-Hexanone	9.49	43	292702	96.137	ug/l	91
60) Dibromochloromethane	9.59	129	44015	19.114	ug/l	98
61) 1,2-Dibromoethane	9.67	107	43882	19.219	ug/l	99
64) Tetrachloroethene	9.34	164	47419	19.779	ug/l	98
65) Chlorobenzene	10.14	112	114864	18.678	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	41668	18.582	ug/l	99
67) Ethyl Benzene	10.26	91	190965	18.874	ug/l	98
68) m/p-Xylenes	10.36	106	150773	38.408	ug/l	94
69) o-Xylene	10.70	106	70850	19.184	ug/l	95
70) Styrene	10.71	104	118673	19.195	ug/l	96
71) Bromoform	10.86	173	35119	17.551	ug/l	97
73) Isopropylbenzene	11.02	105	196238	20.280	ug/l	99
74) N-amyl acetate	10.90	43	90674	18.911	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	68393	19.158	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	63778m	19.781	ug/l	
77) Bromobenzene	11.26	156	53324	19.774	ug/l	98
78) n-propylbenzene	11.36	91	226241	20.447	ug/l	99
79) 2-Chlorotoluene	11.42	91	135769	19.790	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	166987	20.173	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	17408	16.960	ug/l	96
82) 4-Chlorotoluene	11.51	91	158962	19.650	ug/l	99
83) tert-Butylbenzene	11.77	119	159198	19.294	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	172758	20.593	ug/l	96
85) sec-Butylbenzene	11.94	105	196337	19.941	ug/l	98
86) p-Isopropyltoluene	12.07	119	175495	19.939	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	96269	18.984	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	98721	18.612	ug/l	97
89) n-Butylbenzene	12.39	91	148982	18.750	ug/l	97
90) Hexachloroethane	12.60	117	27923	18.394	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	97027	18.912	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16121	18.677	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	69086	18.576	ug/l	100
94) Hexachlorobutadiene	13.79	225	34416	17.857	ug/l	98
95) Naphthalene	13.83	128	213066	19.709	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	72293	19.175	ug/l	98

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

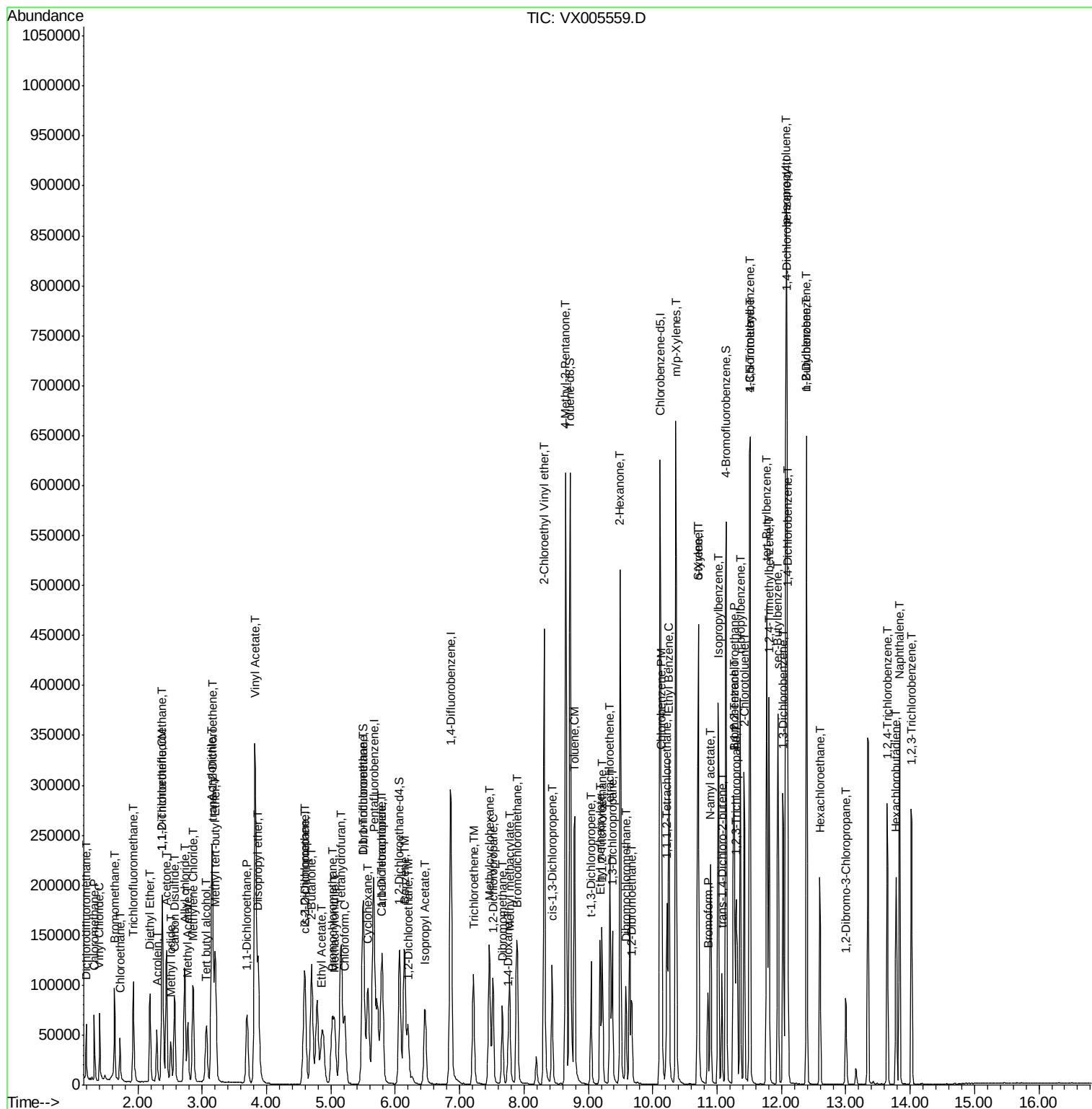
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Data File : VX005559.D
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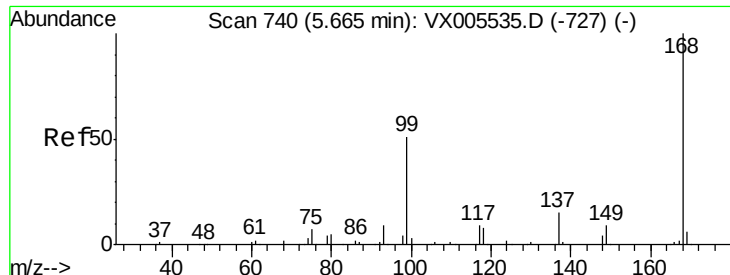
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

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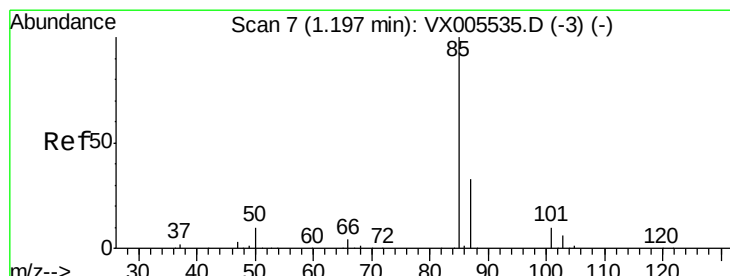
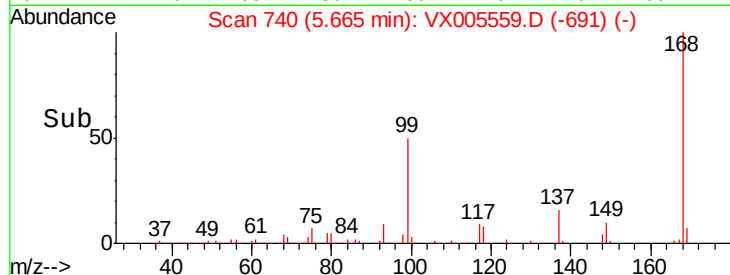
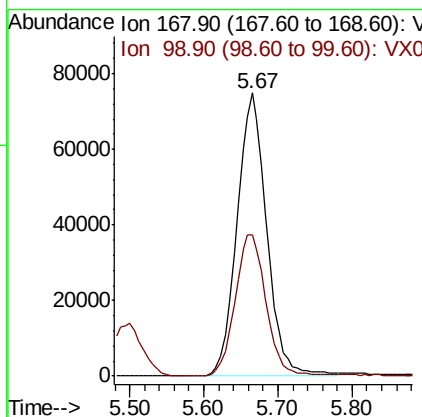
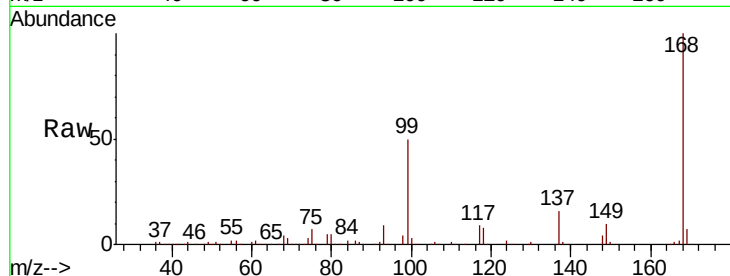
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.7	39.9	59.9

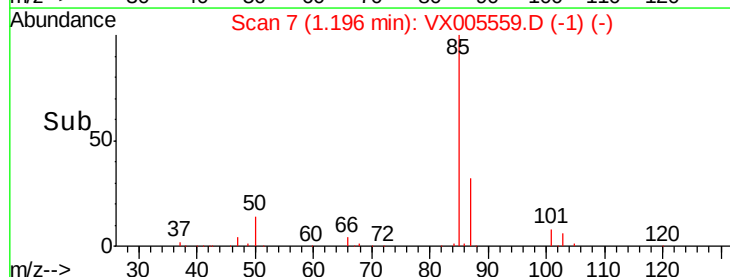
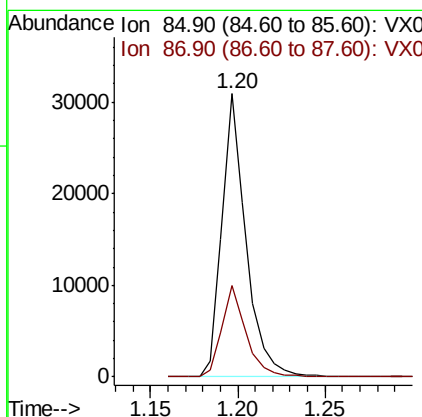
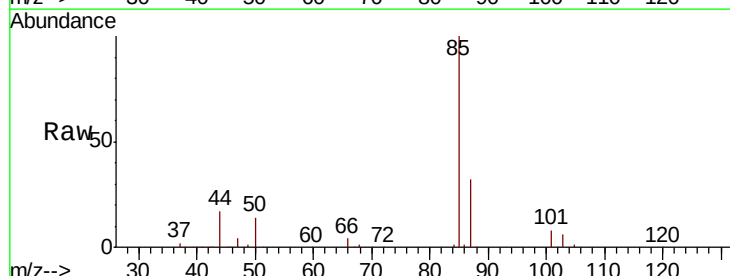
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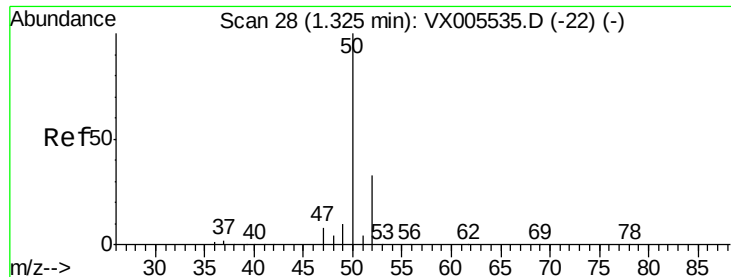
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#2
Dichlorodifluoromethane
Concen: 14.367 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.0	50.9





#3

Chloromethane

Concen: 15.998 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 50 Resp: 42076

Ion Ratio Lower Upper

50 100

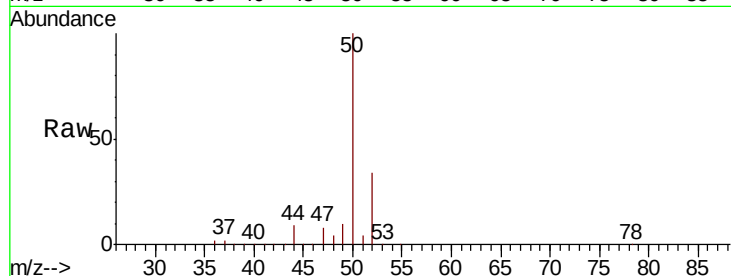
52 33.5 26.2 39.2

Manual Integrations

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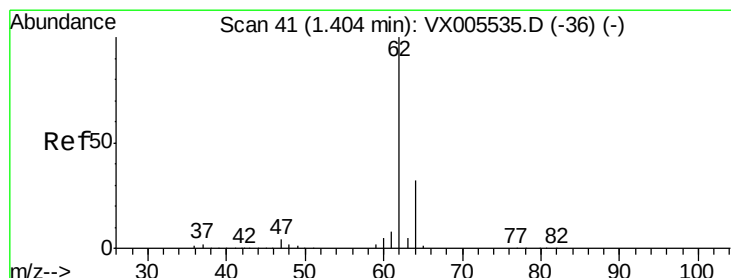
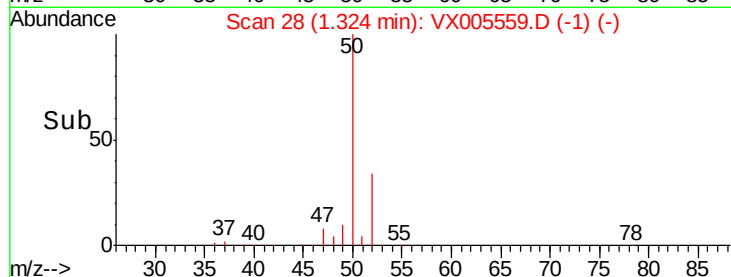
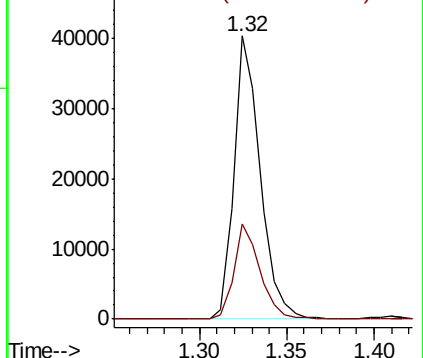
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.041 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005559.D

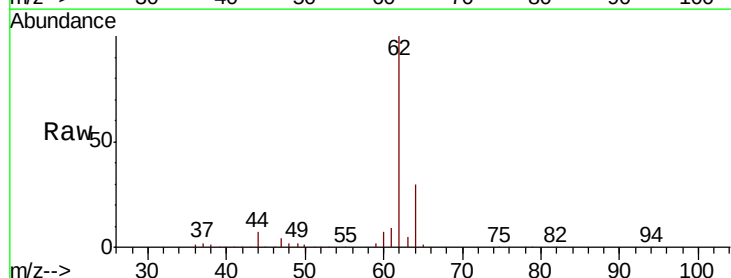
Acq: 25 Oct 2018 00:05

Tgt Ion: 62 Resp: 44072

Ion Ratio Lower Upper

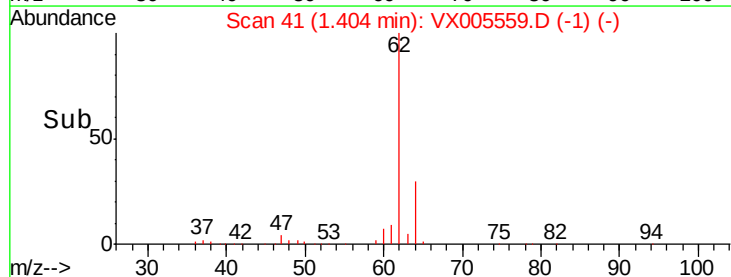
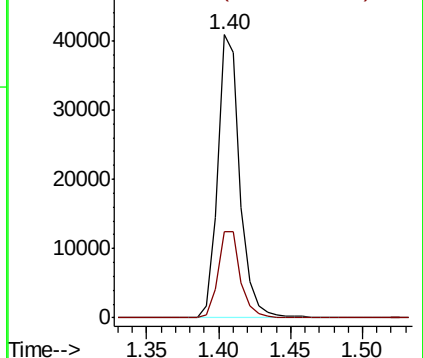
62 100

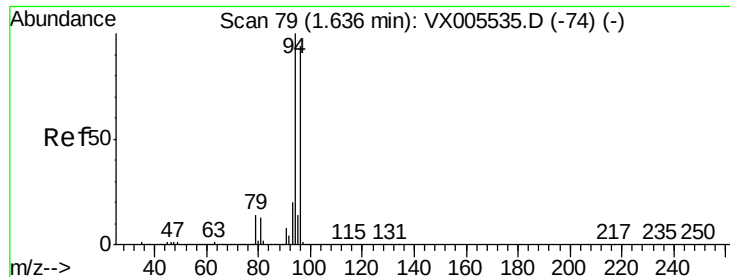
64 30.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.373 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 94 Resp: 29567

Ion Ratio Lower Upper

94 100

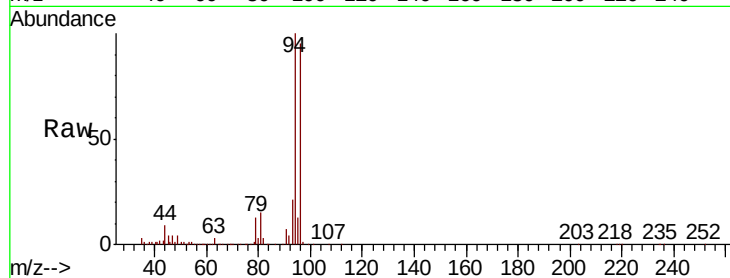
96 95.1 74.5 111.7

Manual Integrations

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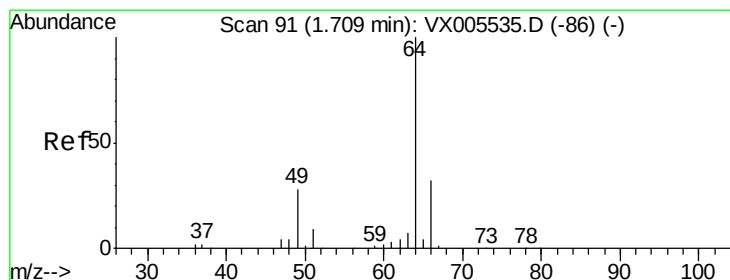
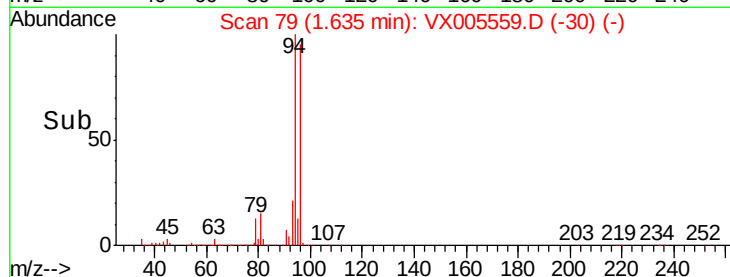
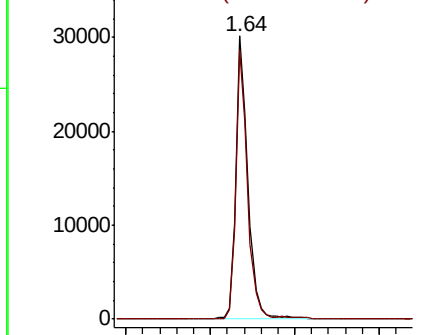
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.306 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005559.D

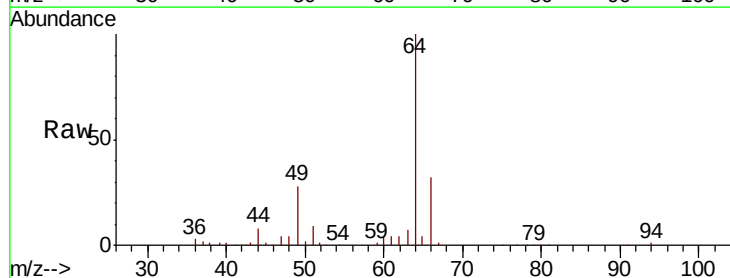
Acq: 25 Oct 2018 00:05

Tgt Ion: 64 Resp: 28591

Ion Ratio Lower Upper

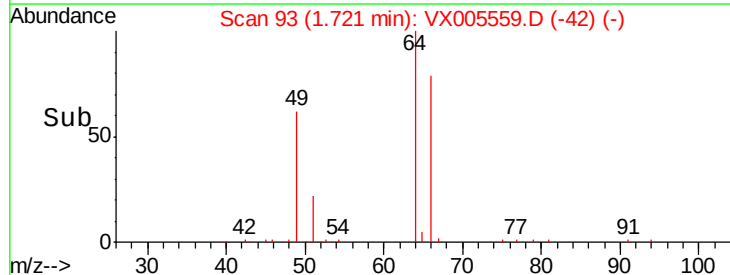
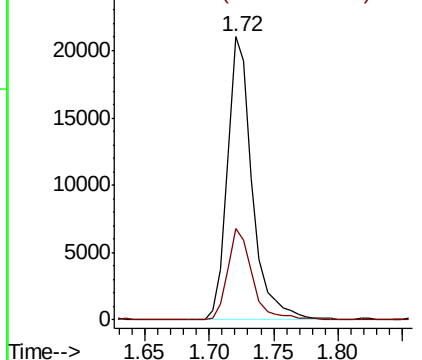
64 100

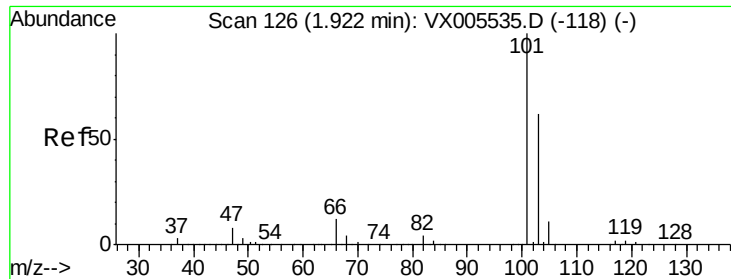
66 32.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

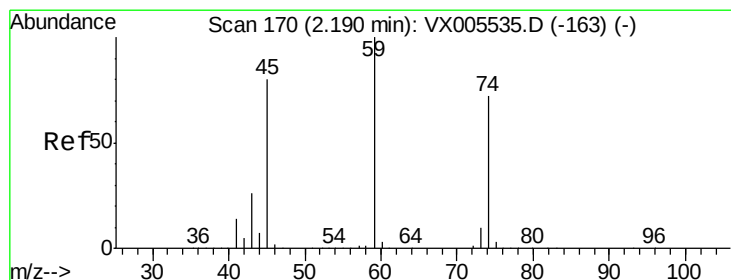
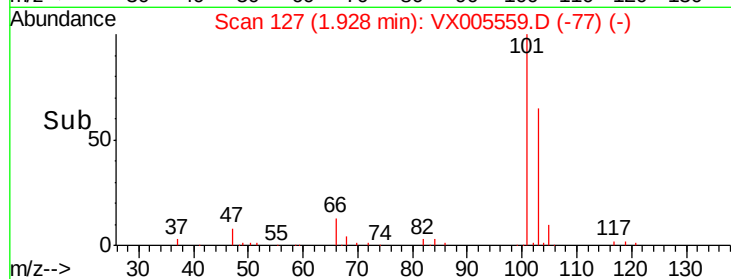
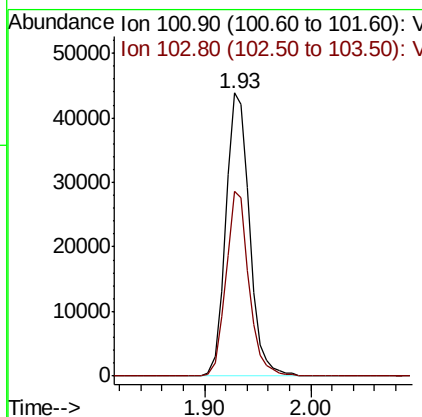
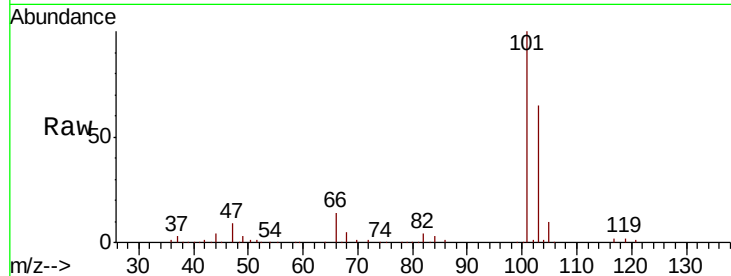
Trichlorofluoromethane
 Concen: 19.015 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	48.9	73.3

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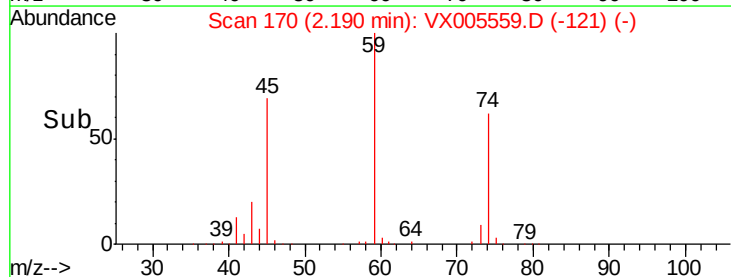
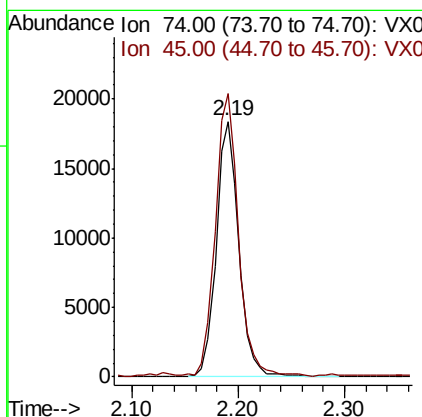
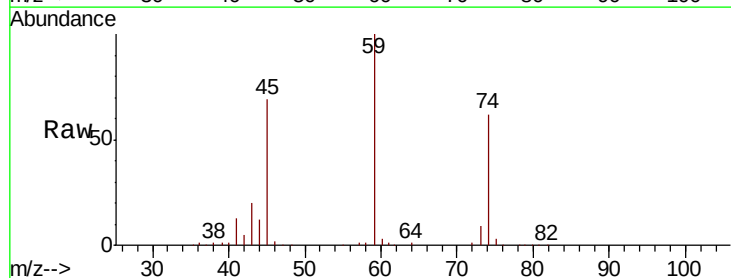
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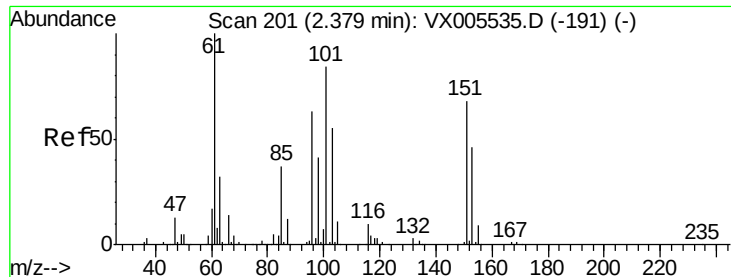


#8

Diethyl Ether
 Concen: 18.814 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.0	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.572 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

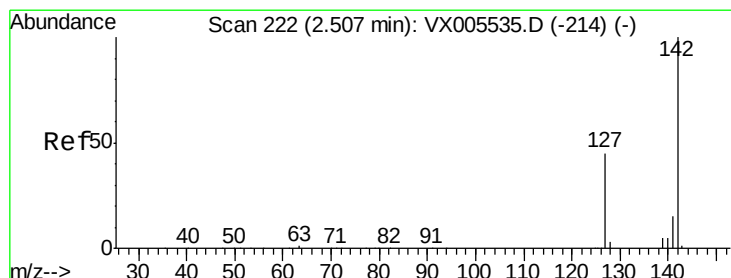
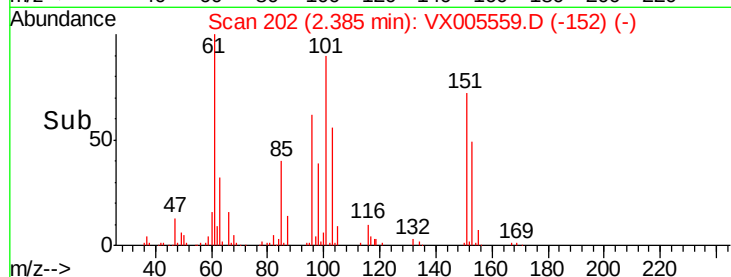
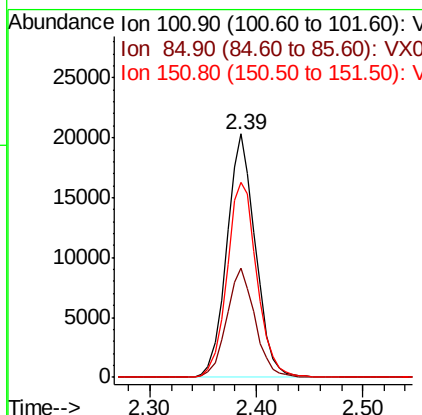
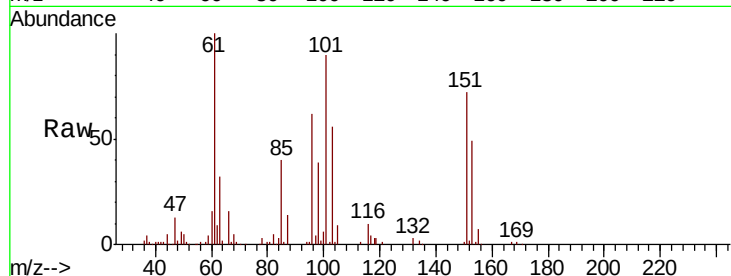
ClientSampleId :

VX1024WBS02

Tot Ion:	101	Resp:	38292
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.2	51.4
151	83.5	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.055 ug/l

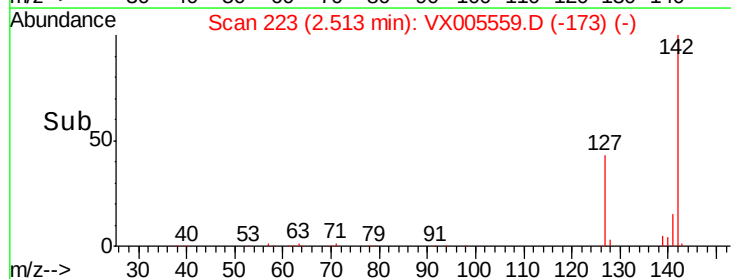
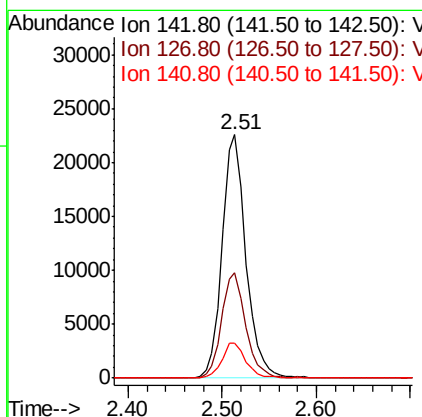
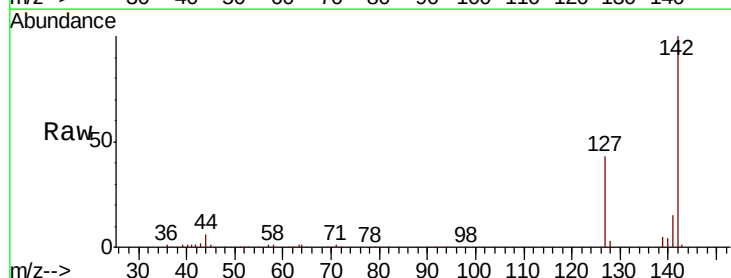
RT: 2.51 min Scan# 223

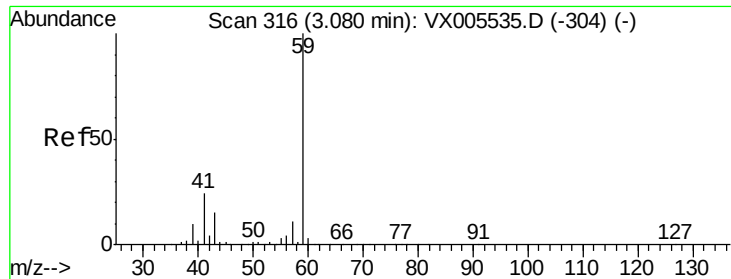
Delta R.T. 0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion:	142	Resp:	39467
Ion Ratio	Lower	Upper	
142	100		
127	43.9	33.8	50.6
141	14.6	11.4	17.0





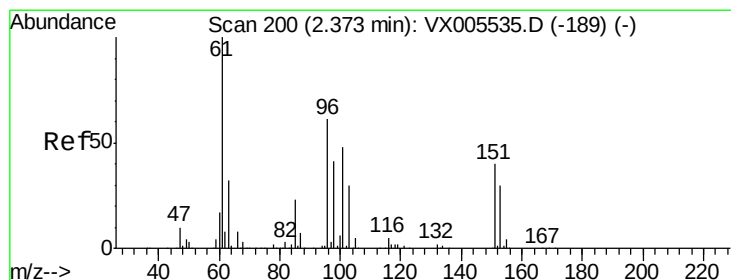
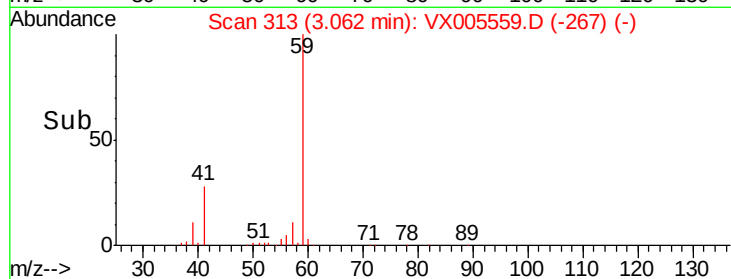
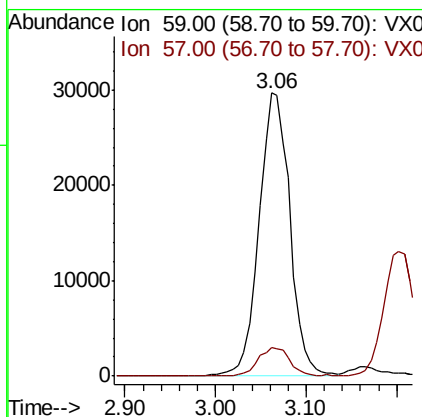
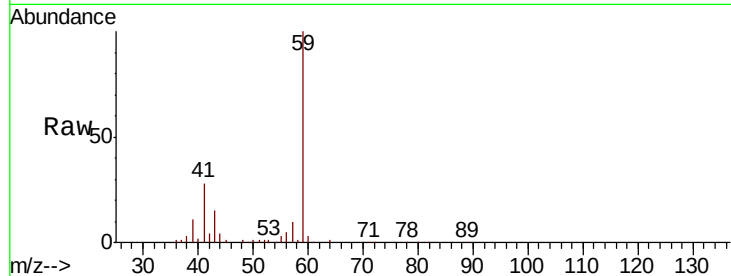
#11
Tert butyl alcohol
Concen: 101.812 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion: 59 Resp: 69977
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

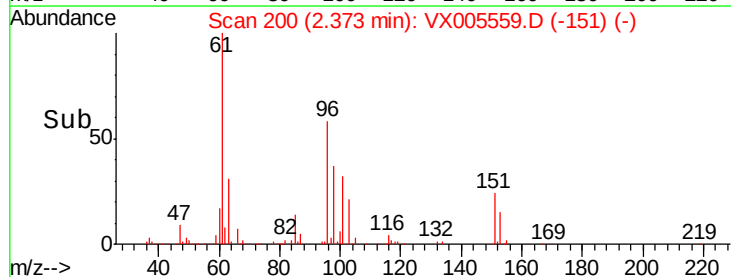
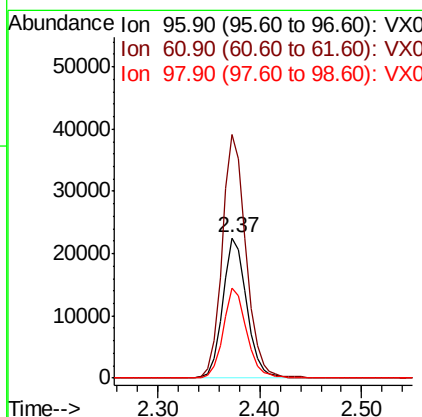
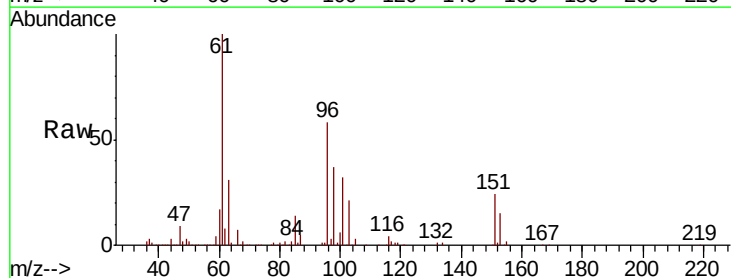
Manual Integrations
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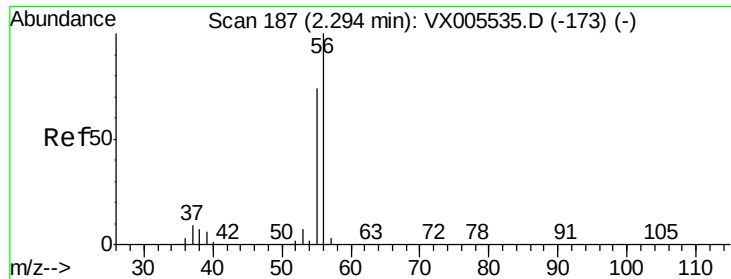
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.644 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion: 96 Resp: 36619
Ion Ratio Lower Upper
96 100
61 173.9 128.8 193.2
98 63.9 52.2 78.2





#13

Acrolein

Concen: 104.297 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 56 Resp: 36567

Ion Ratio Lower Upper

56 100

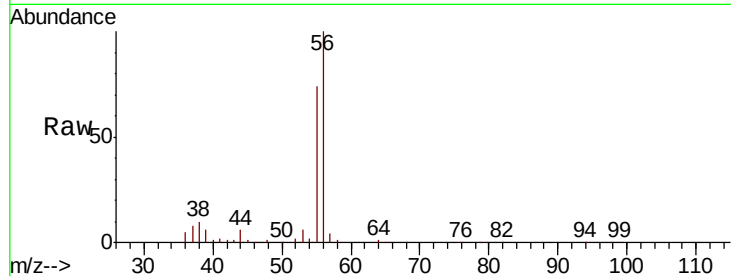
55 71.7 54.7 82.1

Manual Integrations

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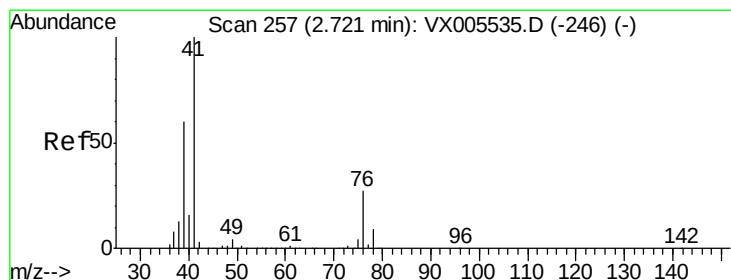
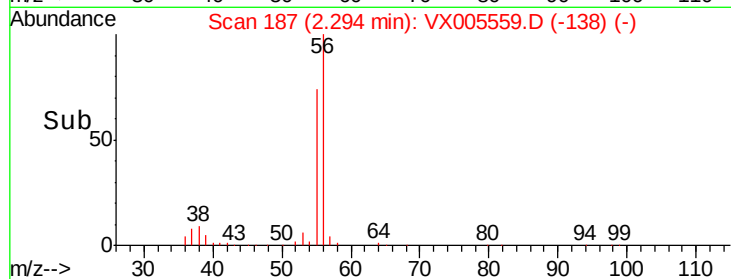
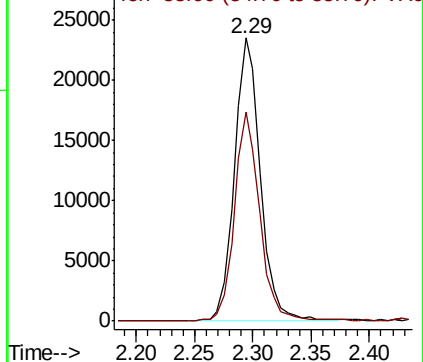
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.603 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

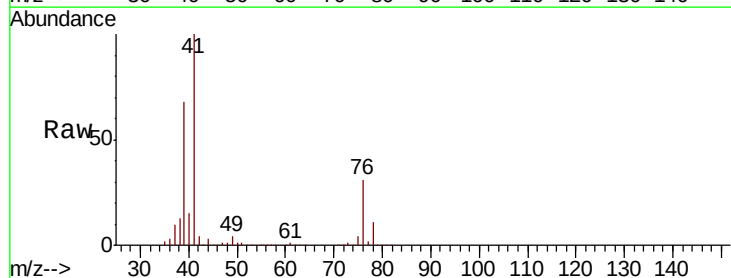
Tgt Ion: 41 Resp: 81545

Ion Ratio Lower Upper

41 100

39 60.9 48.9 73.3

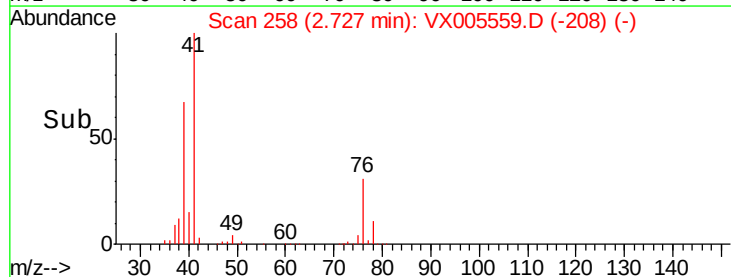
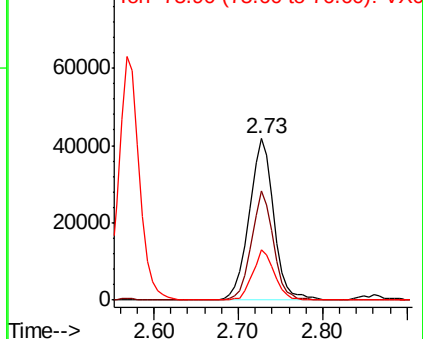
76 28.1 26.7 40.1

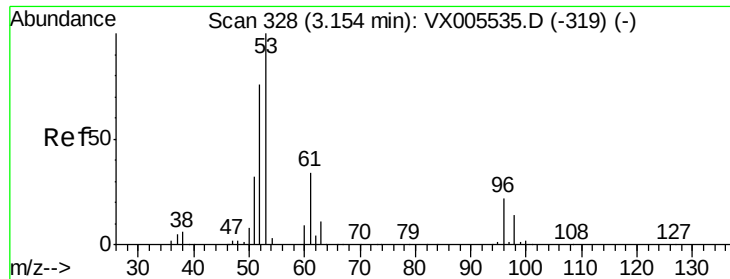


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 96.295 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

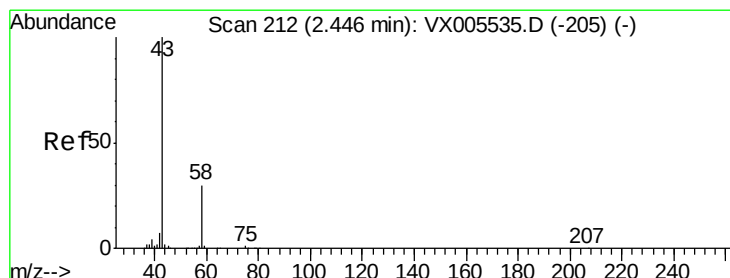
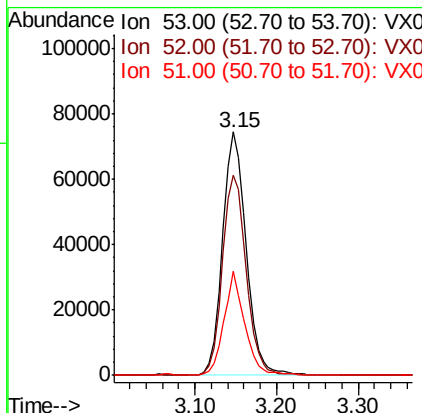
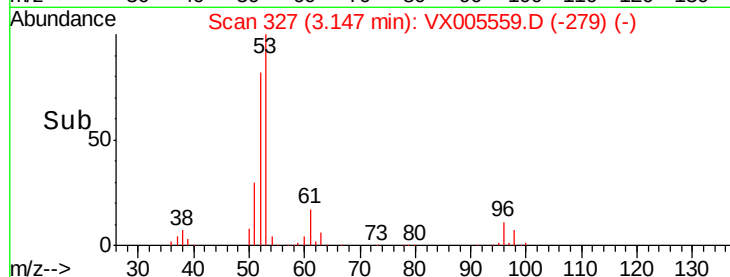
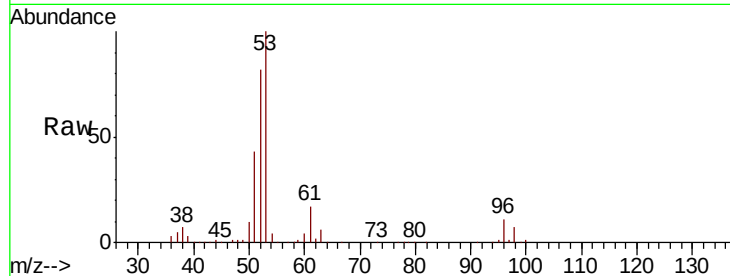
ClientSampleId :

VX1024WBS02

Tot Ion:	53	Resp:	148413
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.2	97.8
51	37.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 99.274 ug/l

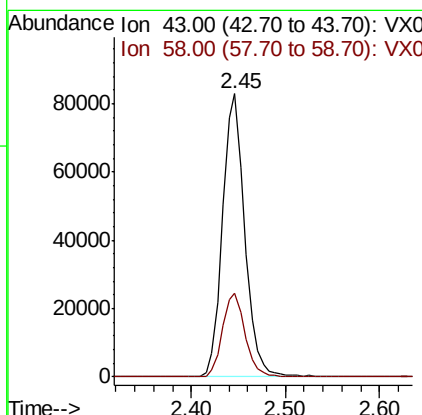
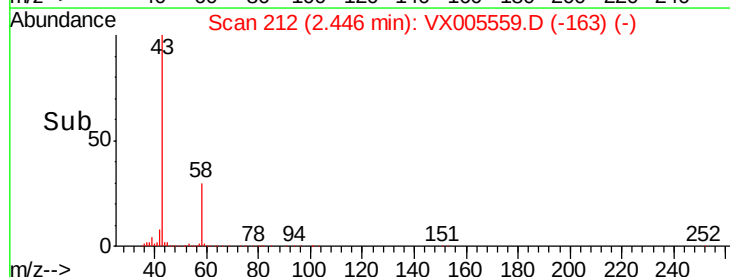
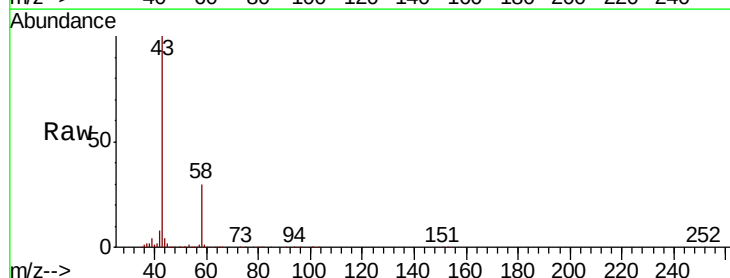
RT: 2.45 min Scan# 212

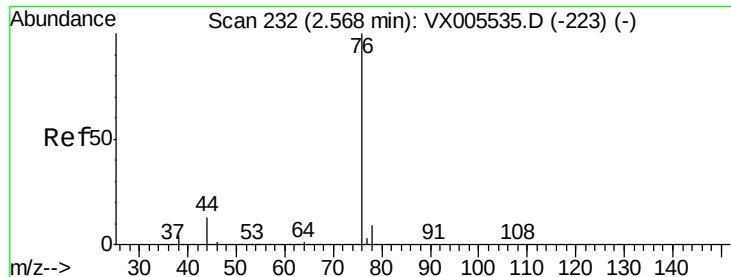
Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion:	43	Resp:	133985
Ion Ratio	Lower	Upper	
43	100		
58	29.7	26.2	39.4





#17

Carbon Disulfide

Concen: 17.604 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 76 Resp: 105399

Ion Ratio Lower Upper

76 100

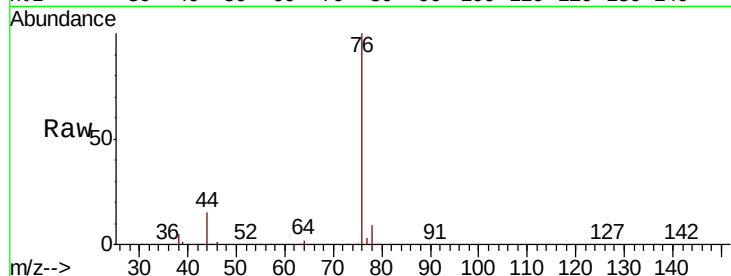
78 9.4 7.0 10.6

Manual Integrations

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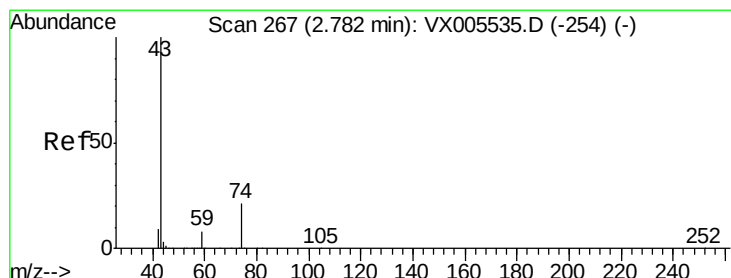
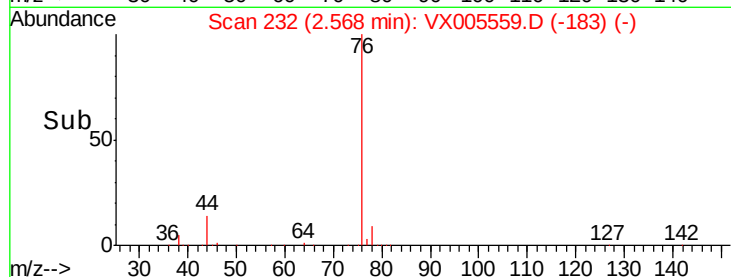
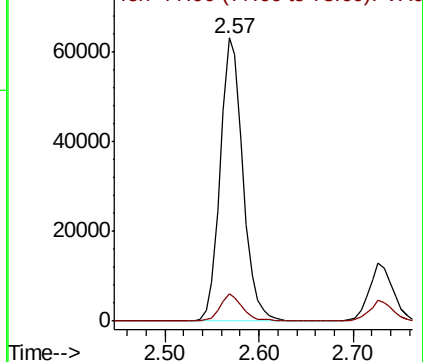
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.661 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005559.D

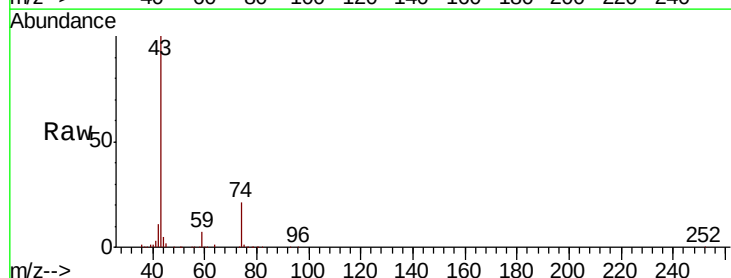
Acq: 25 Oct 2018 00:05

Tgt Ion: 43 Resp: 71747

Ion Ratio Lower Upper

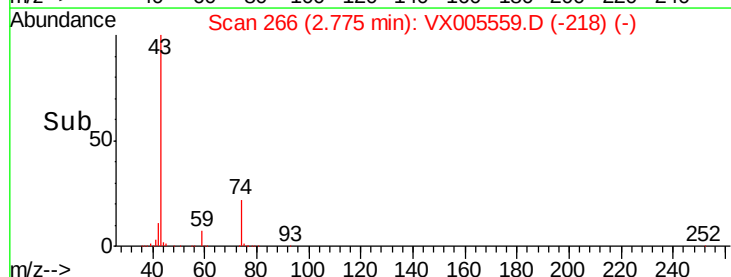
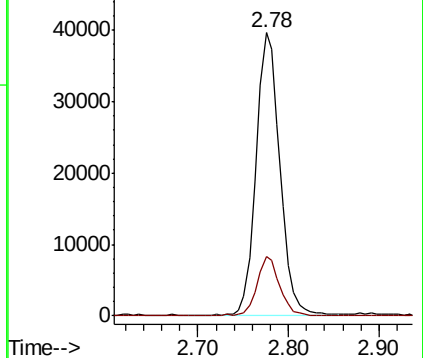
43 100

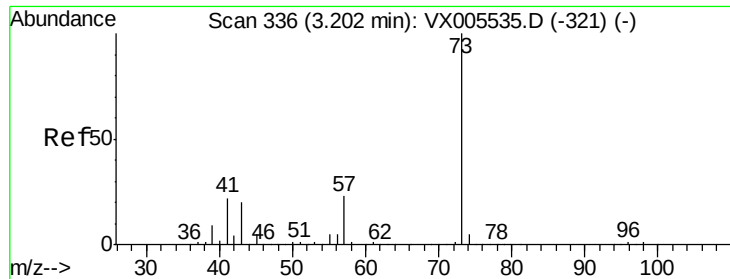
74 20.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

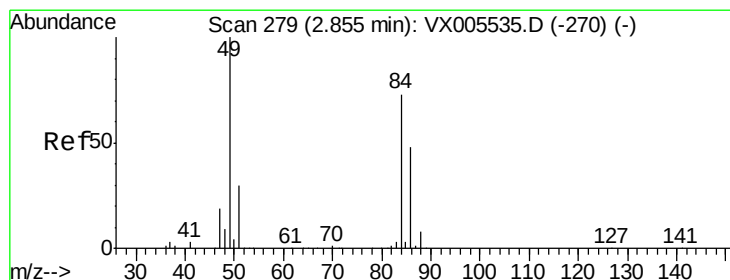
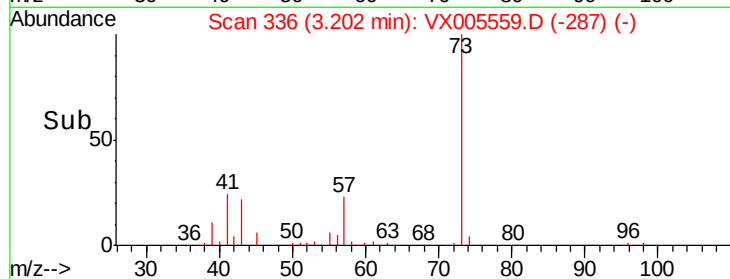
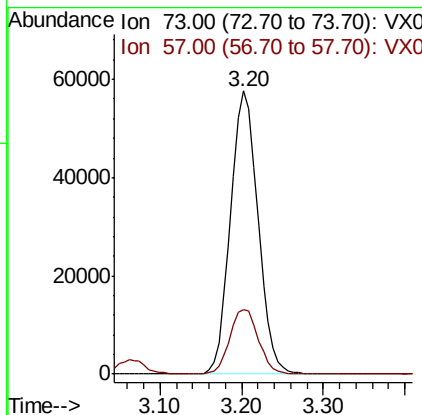
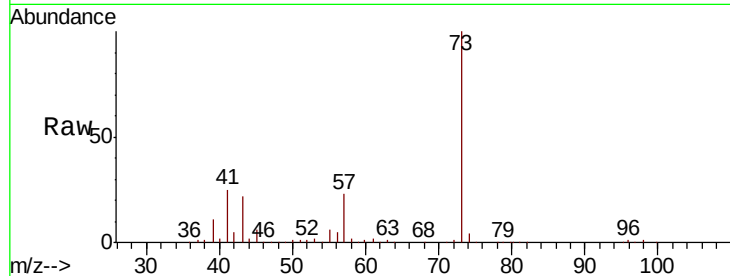
Methyl tert-butyl Ether
 Concen: 19.189 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.1	25.7

Manual Integrations
 APPROVED

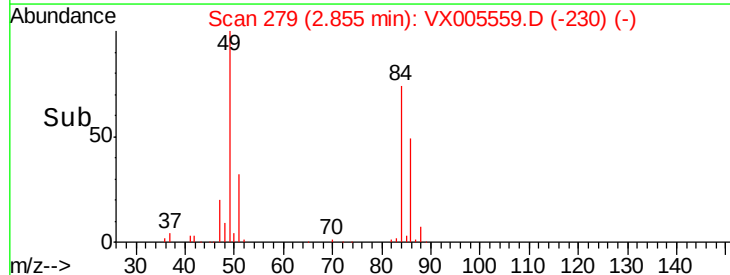
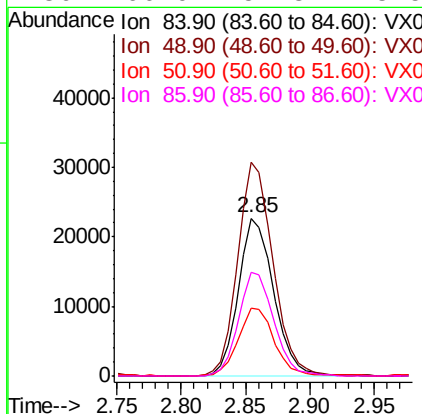
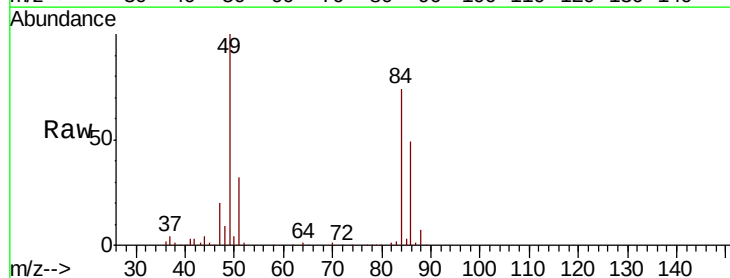
MMDadoda
 10/26/2018 11:53:55 AM

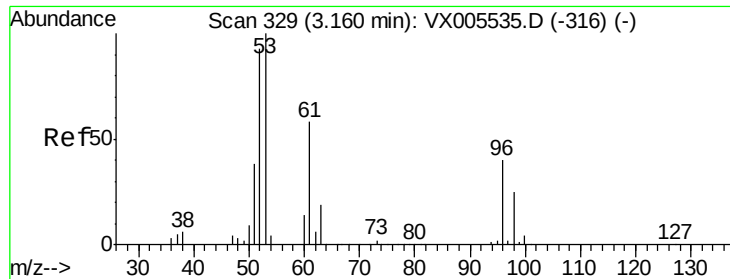


#20

Methylene Chloride
 Concen: 19.037 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.0	101.2	151.8
51	42.5	29.5	44.3
86	66.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.818 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 96 Resp: 40355

Ion Ratio Lower Upper

96 100

61 148.3 113.8 170.6

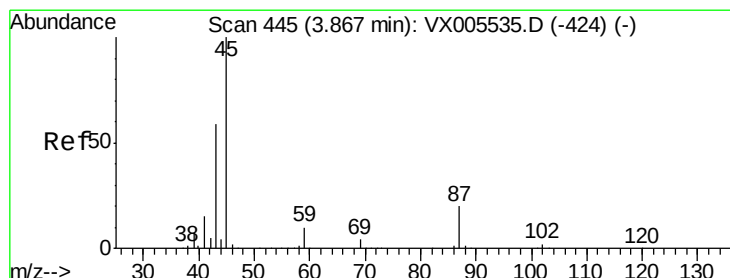
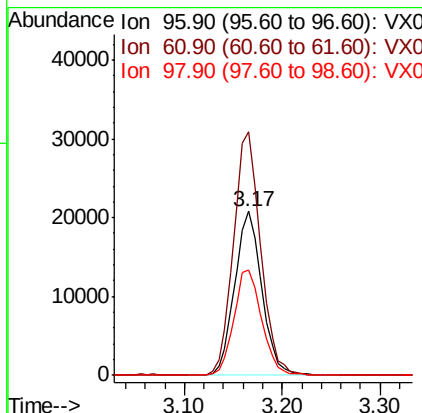
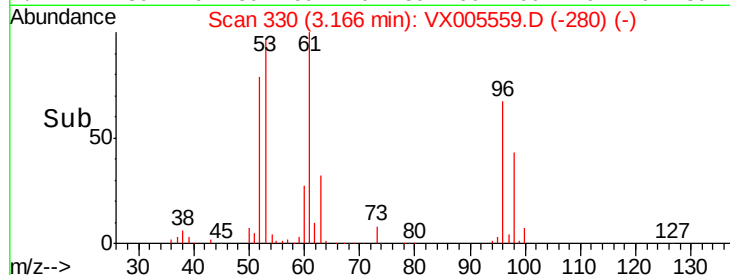
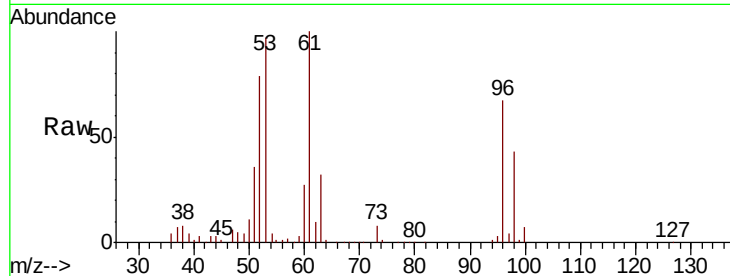
98 64.5 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.431 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion: 45 Resp: 141087

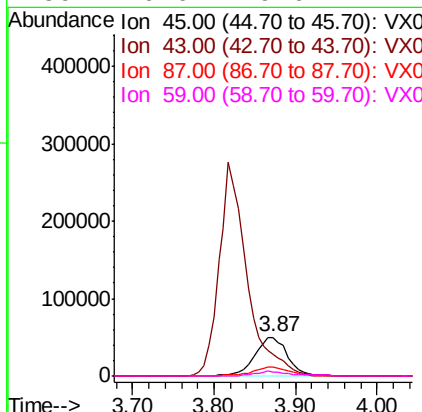
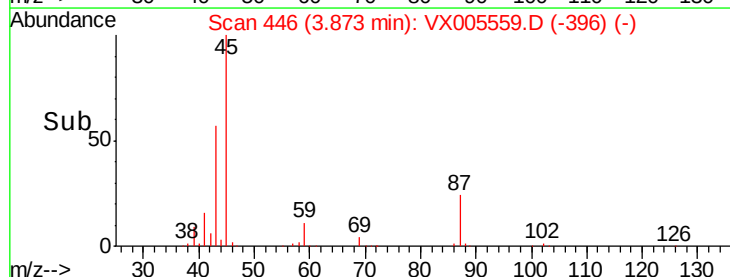
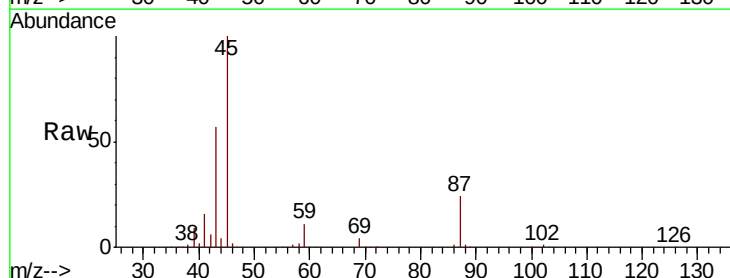
Ion Ratio Lower Upper

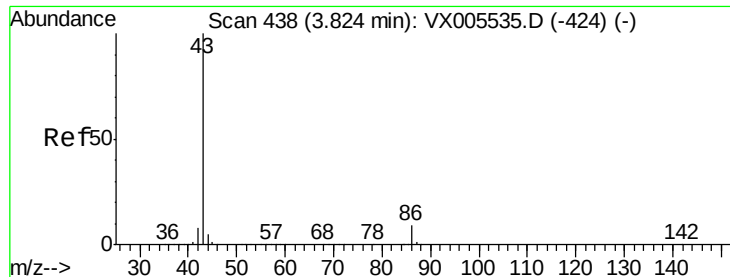
45 100

43 56.3 42.8 64.2

87 24.4 22.6 34.0

59 10.6 9.6 14.4





#23

Vinyl Acetate

Concen: 97.635 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 43 Resp: 658232

Ion Ratio Lower Upper

43 100

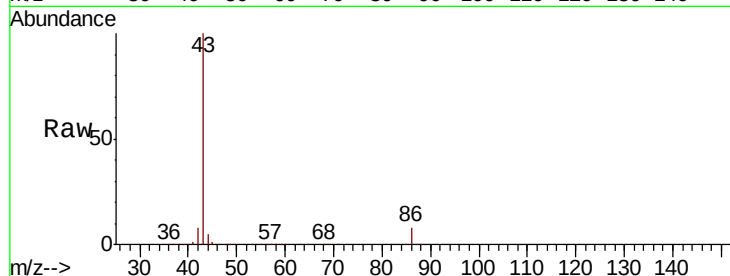
86 7.8 8.9 13.3#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

300000

250000

200000

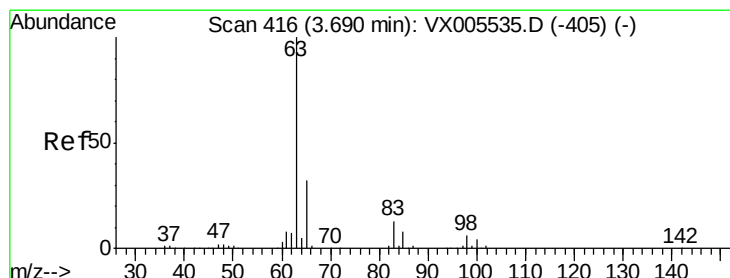
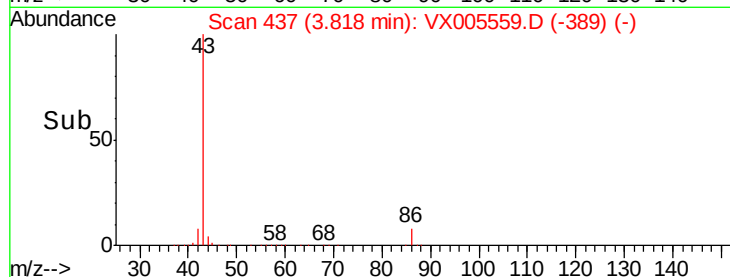
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.303 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

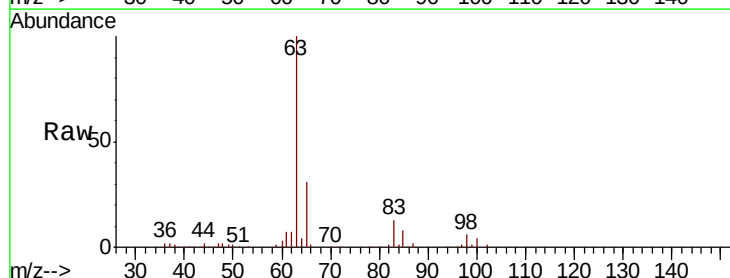
Tgt Ion: 63 Resp: 80336

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

100 3.7 2.4 7.1



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

40000

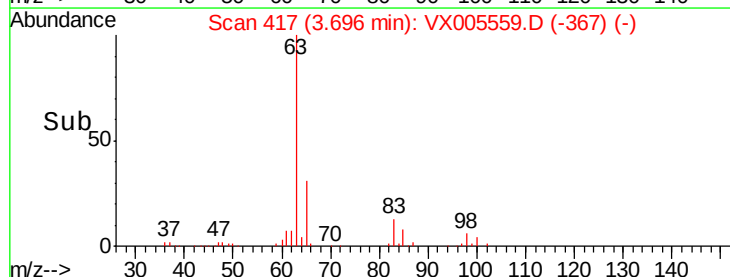
30000

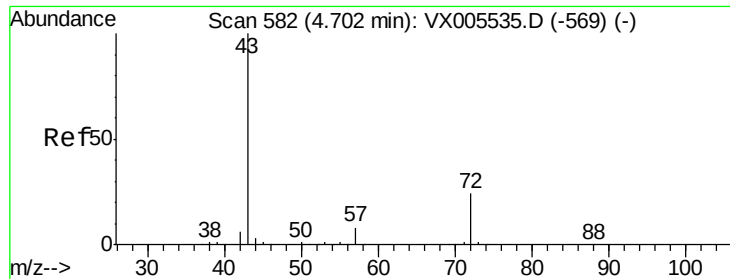
20000

10000

0

Time-->





#25

2-Butanone

Concen: 102.285 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 43 Resp: 210221

Ion Ratio Lower Upper

43 100

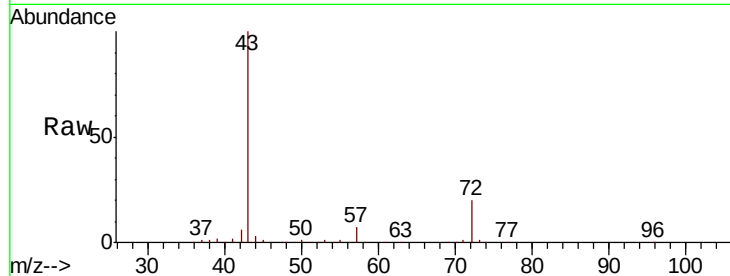
72 20.3 22.0 33.0#

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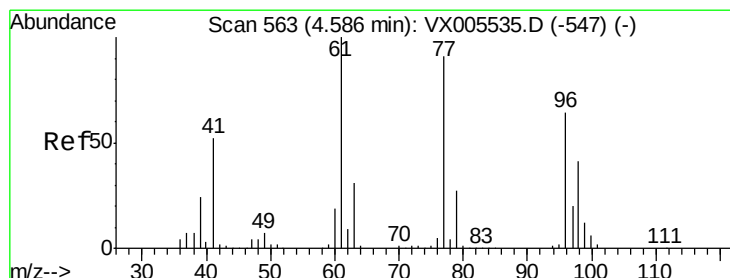
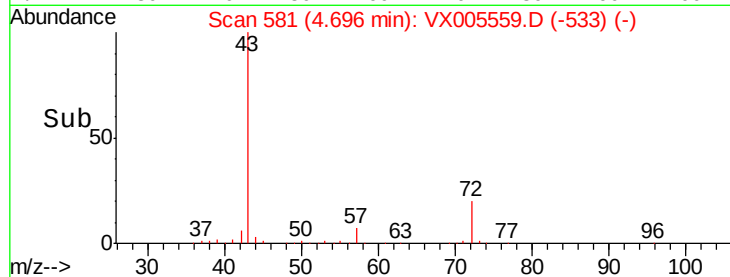
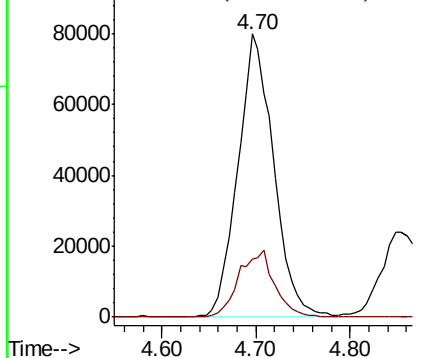
MMDadoda

10/26/2018 11:53:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.153 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005559.D

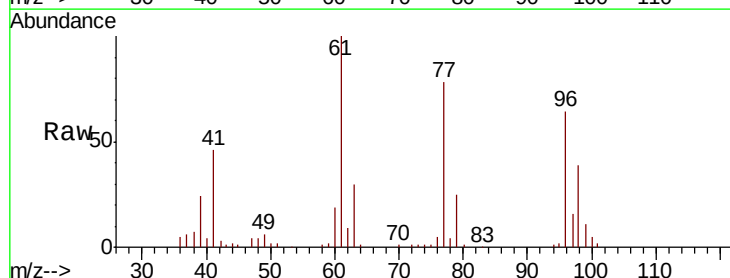
Acq: 25 Oct 2018 00:05

Tgt Ion: 77 Resp: 48689

Ion Ratio Lower Upper

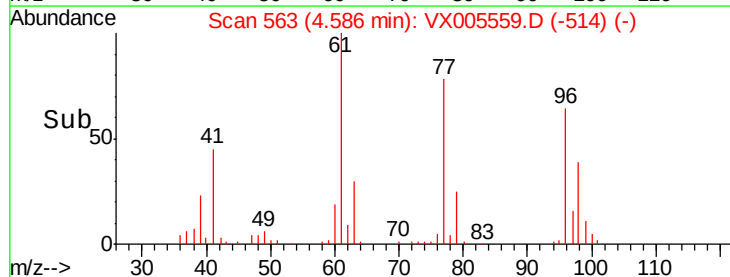
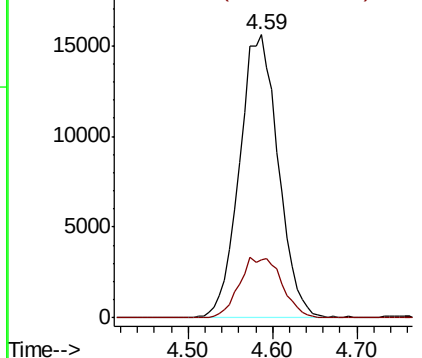
77 100

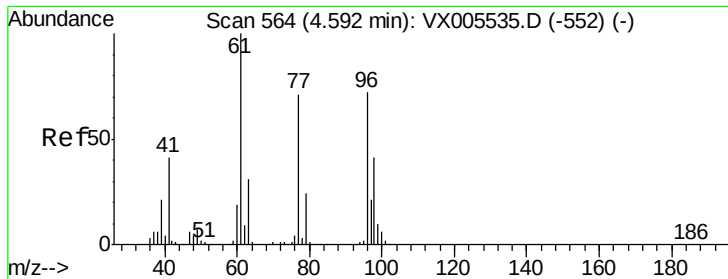
97 23.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

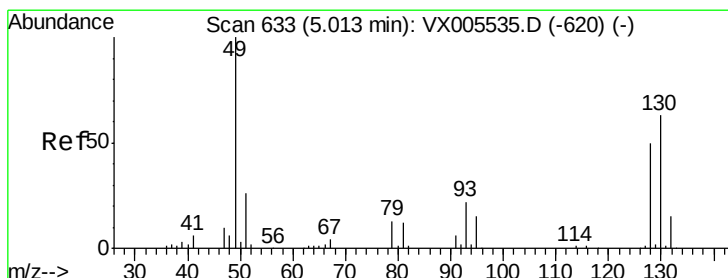
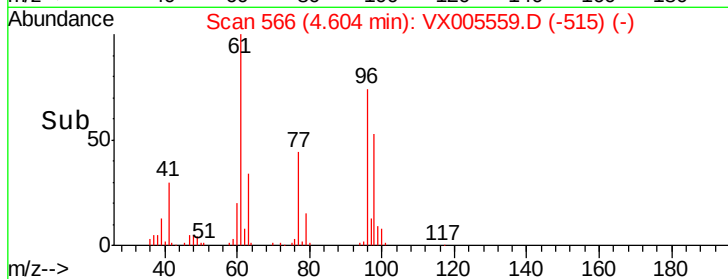
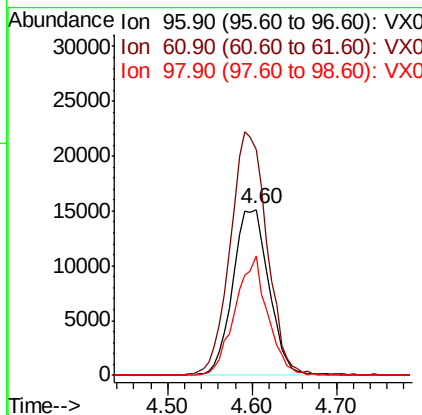
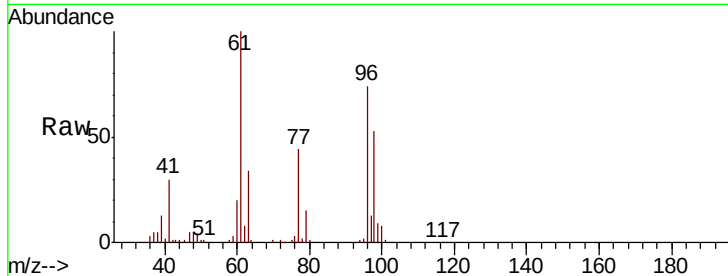
cis-1,2-Dichloroethene
 Concen: 19.049 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	282.6
98	64.1	0.0	130.2

Manual Integrations
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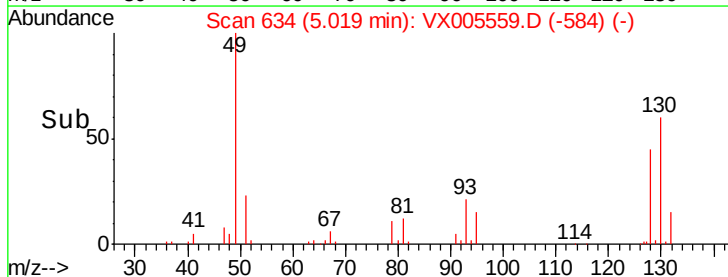
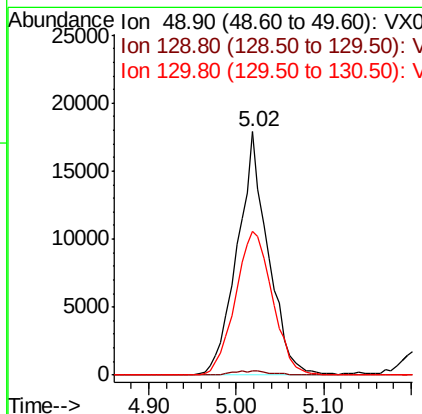
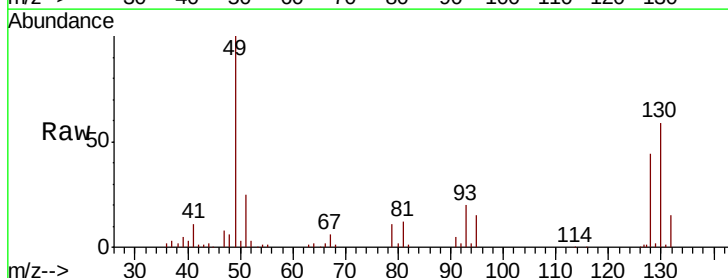
MMDadoda
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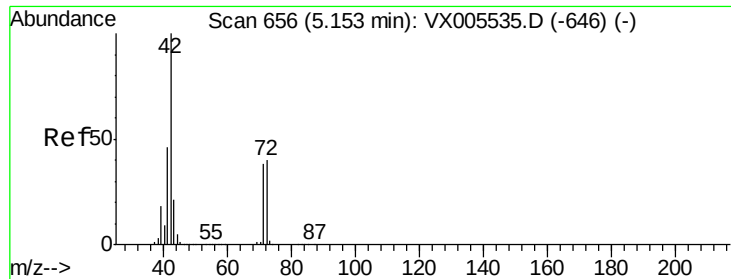


#28

Bromochloromethane
 Concen: 21.778 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	70.7	67.5	101.3





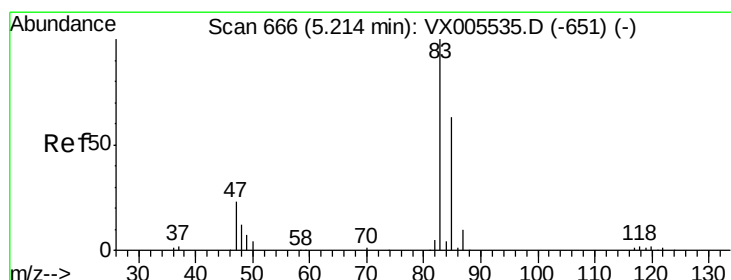
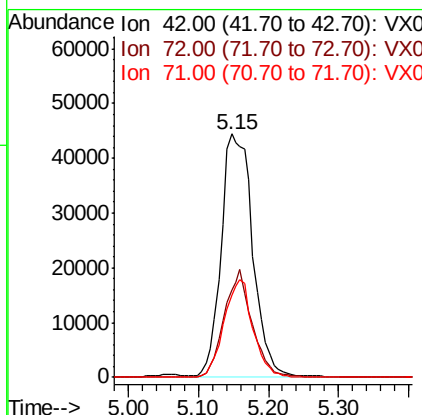
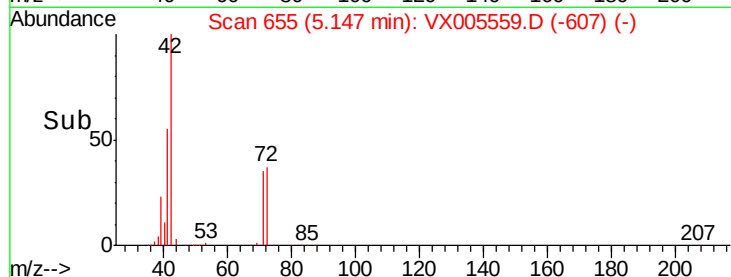
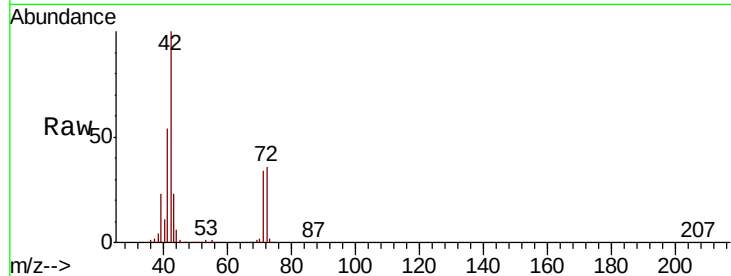
#29
Tetrahydrofuran
Concen: 103.608 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	37.4	56.0
71	37.0	34.5	51.7

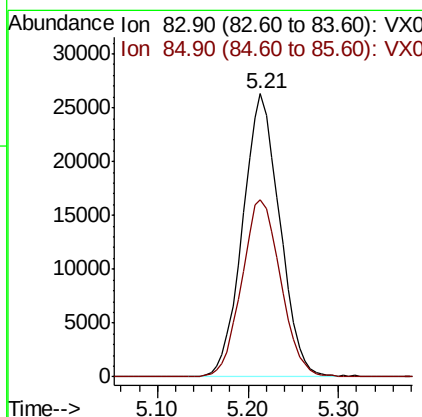
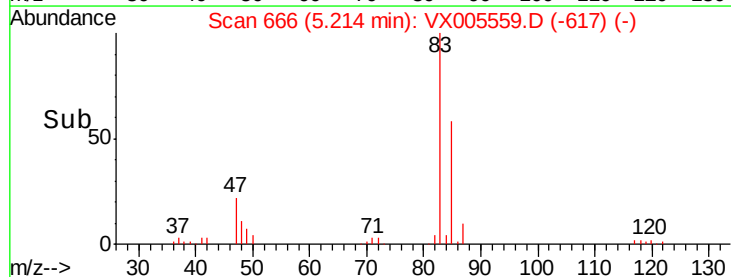
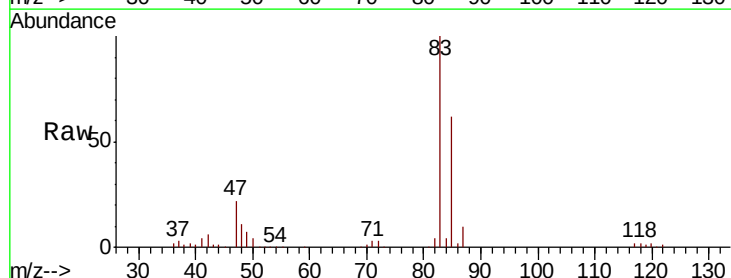
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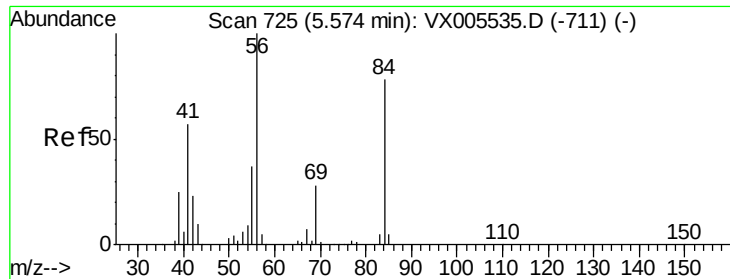
MMDadoda
10/26/2018 11:53:55 AM



#30
Chloroform
Concen: 19.095 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	79.0





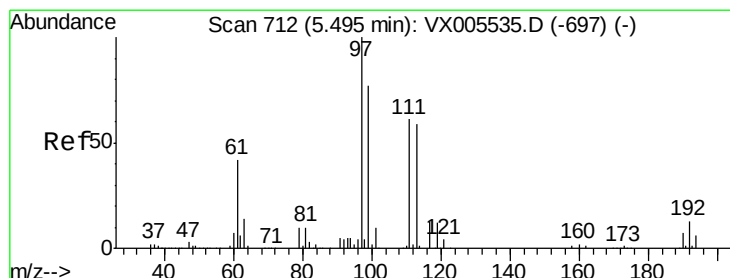
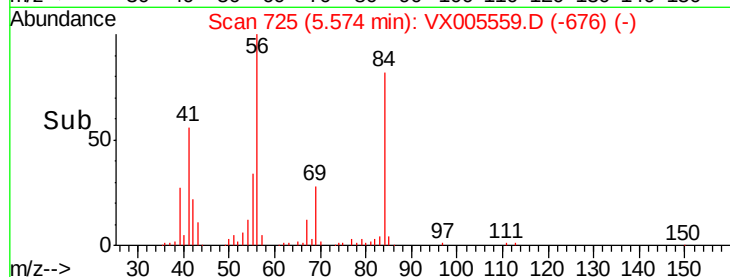
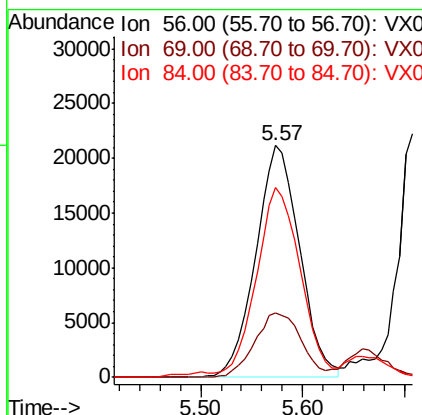
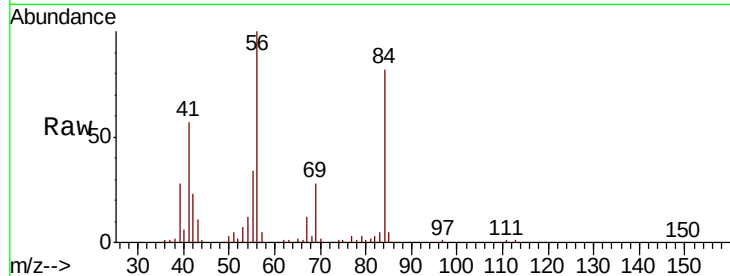
#31
Cyclohexane
Concen: 18.359 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	25.4	38.2
84	80.4	71.4	107.2

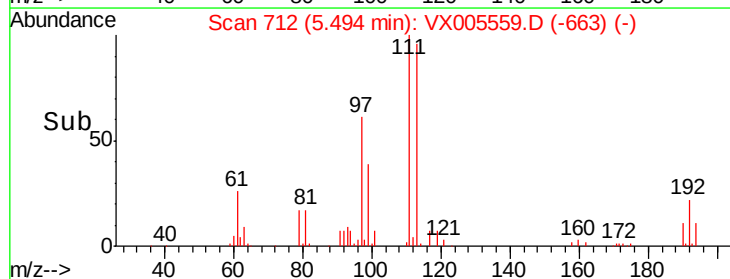
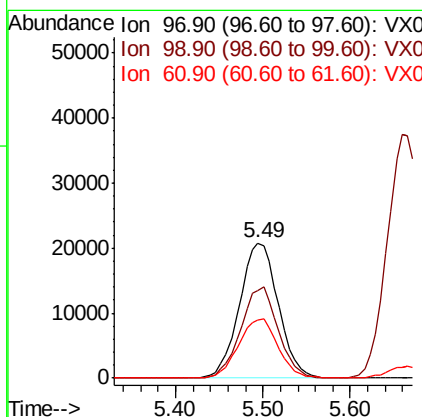
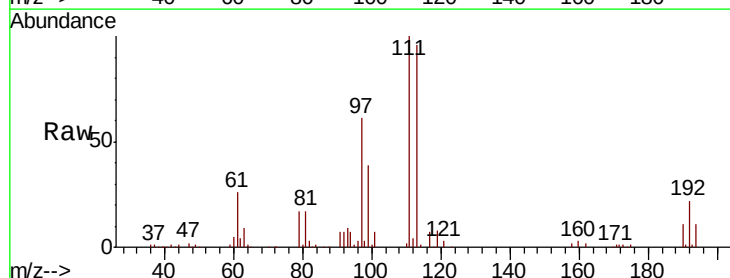
Manual Integrations
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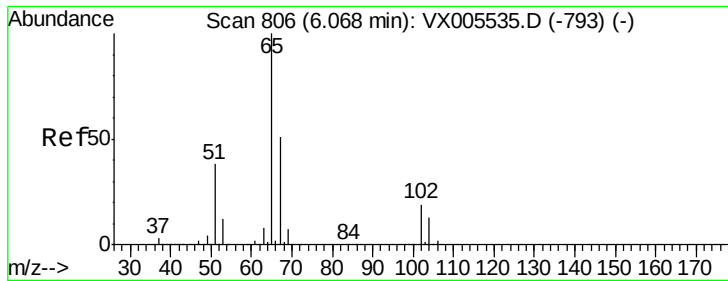
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#32
1,1,1-Trichloroethane
Concen: 18.610 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	44.7	34.9	52.3





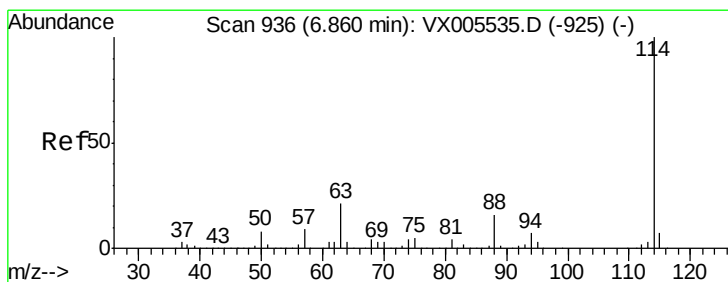
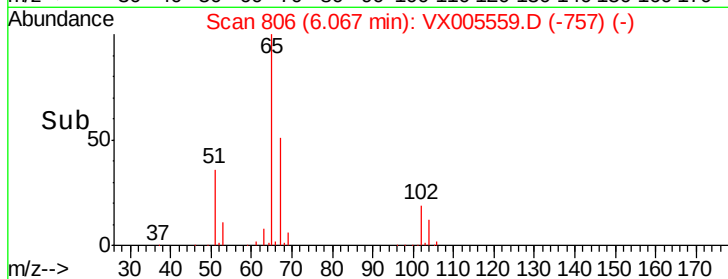
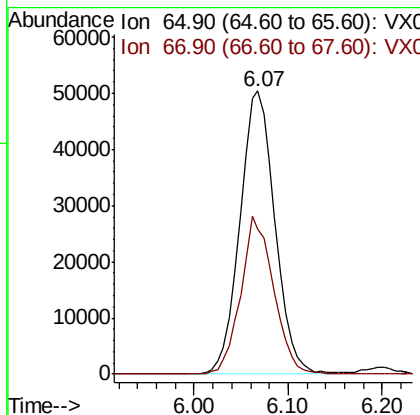
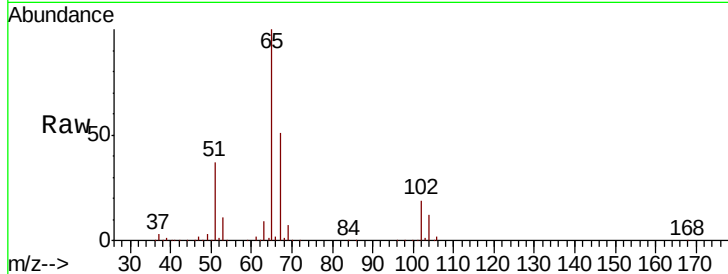
#33
 1,2-Dichloroethane-d4
 Concen: 51.299 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.8

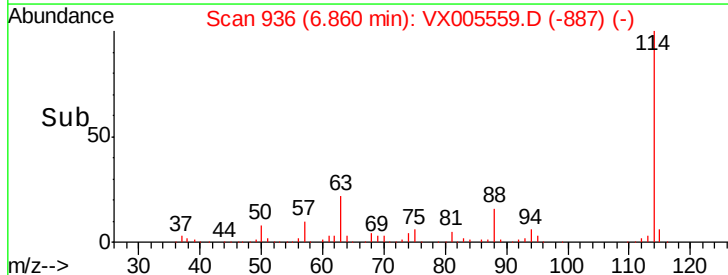
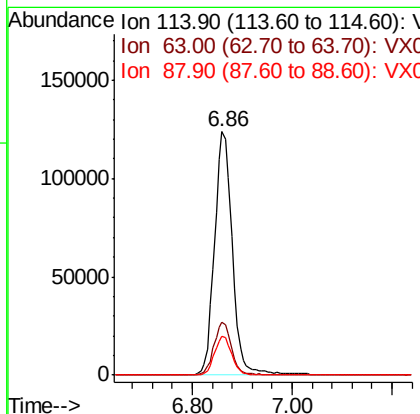
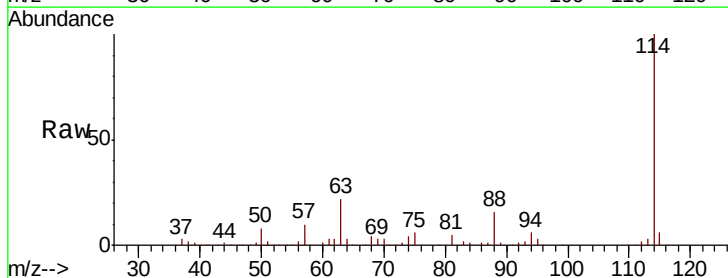
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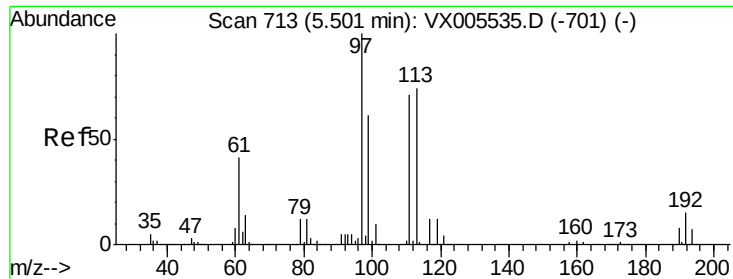
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	39.0
88	16.0	0.0	30.4





#35

Dibromofluoromethane

Concen: 48.437 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

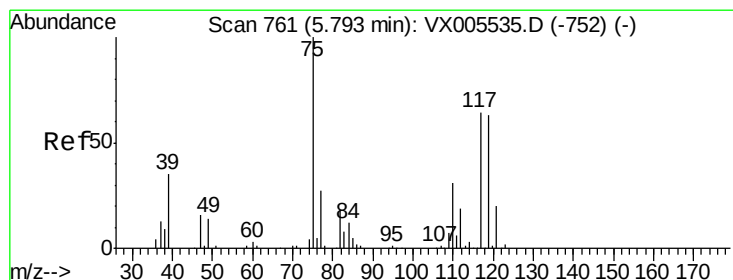
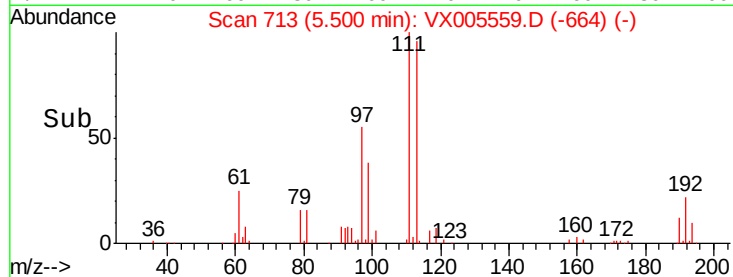
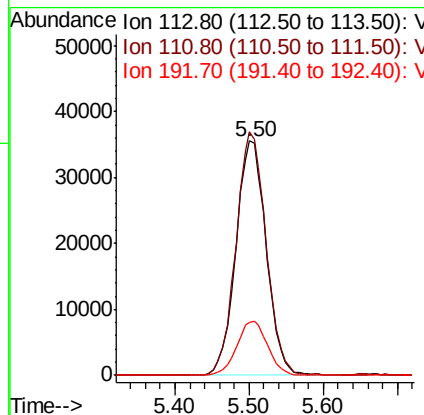
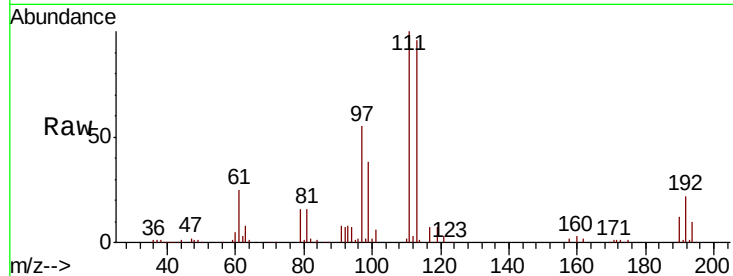
ClientSampleId :

VX1024WBS02

Tot Ion:	113	Resp:	101549
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.4	123.6
192	23.4	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.407 ug/l

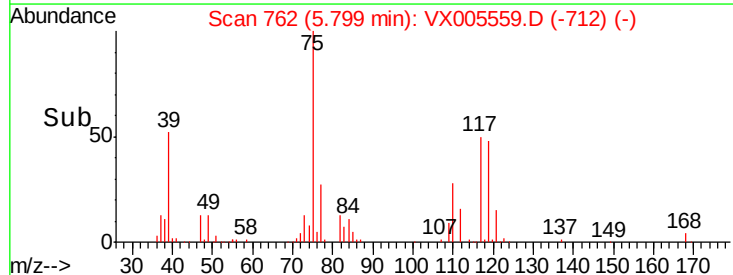
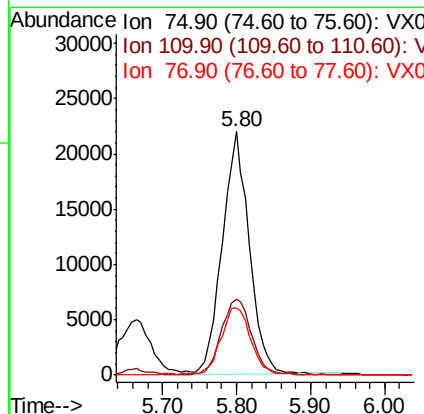
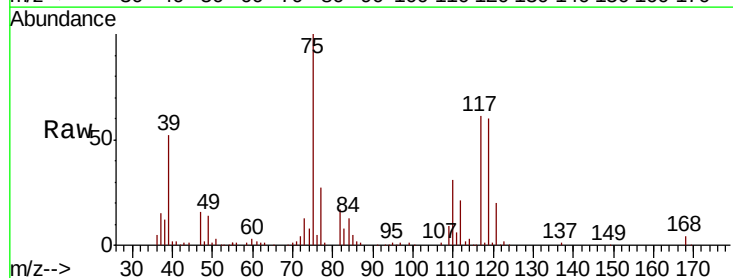
RT: 5.80 min Scan# 762

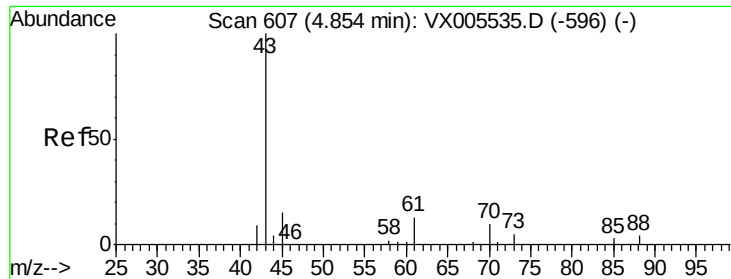
Delta R.T. 0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion:	75	Resp:	55310
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.0	54.0
77	30.0	24.6	36.8





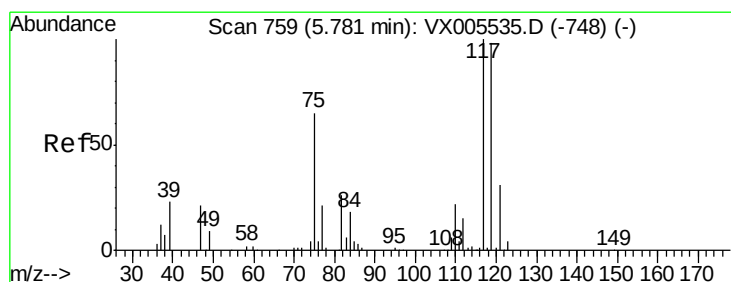
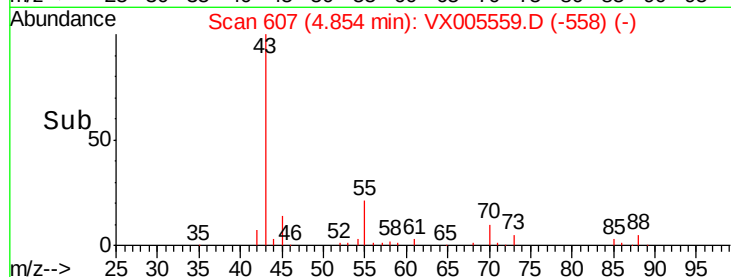
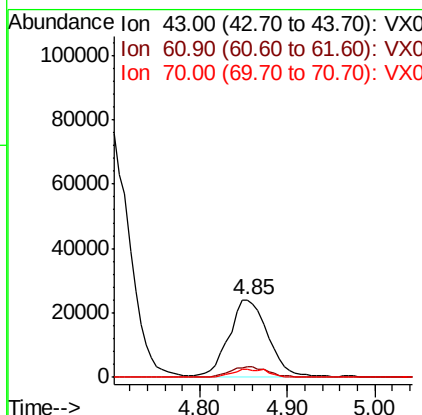
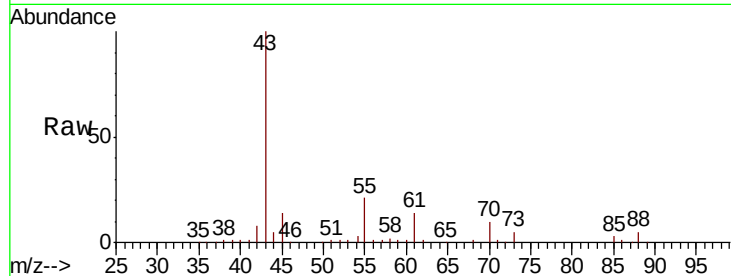
#37
Ethyl Acetate
Concen: 19.232 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.8	9.0	13.6

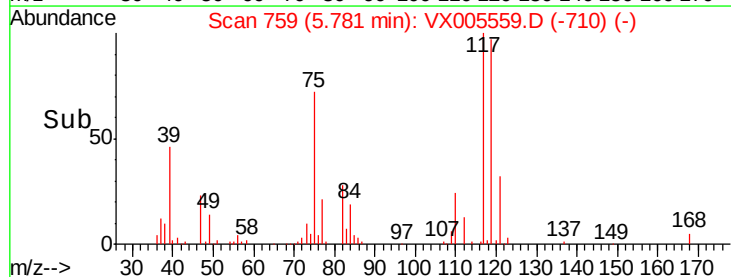
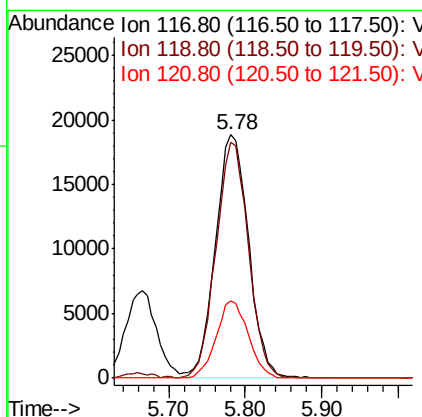
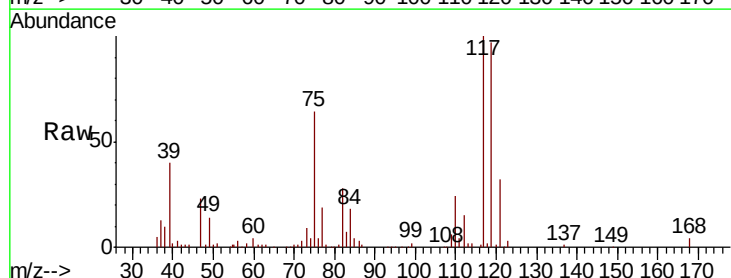
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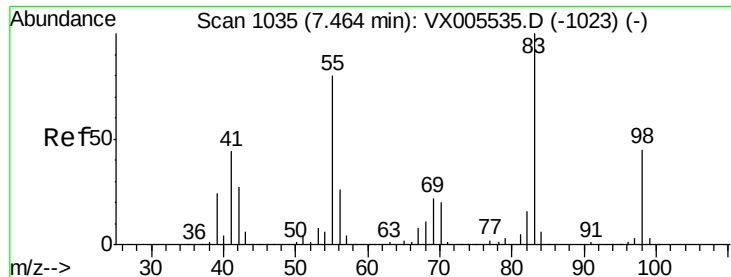
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#38
Carbon Tetrachloride
Concen: 17.836 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.8	118.2
121	31.7	24.9	37.3





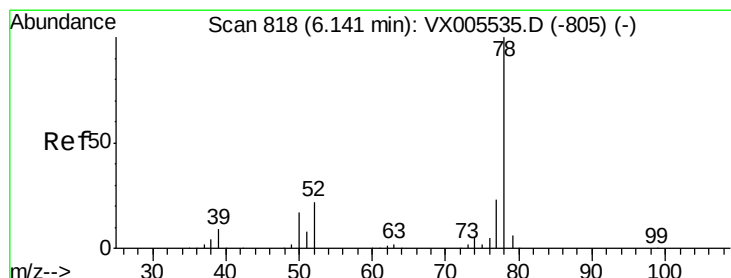
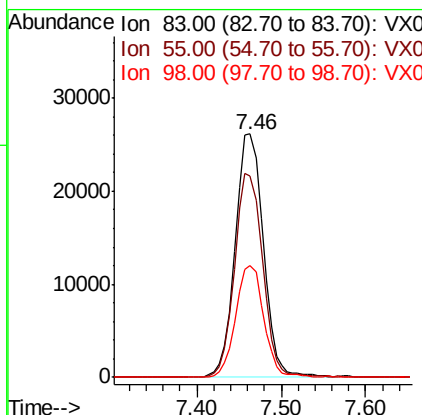
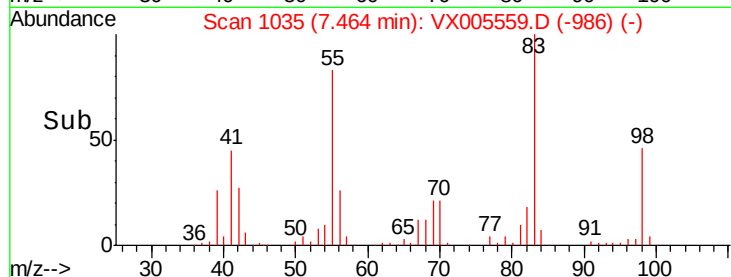
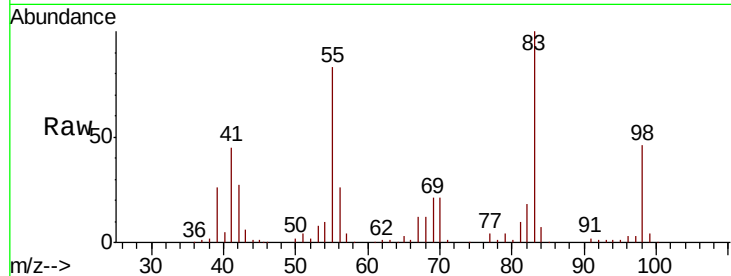
#39
Methylvlcyclohexane
Concen: 17.868 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	61.0	91.4
98	45.9	39.6	59.4

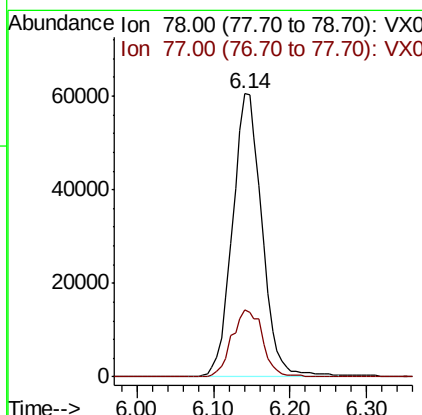
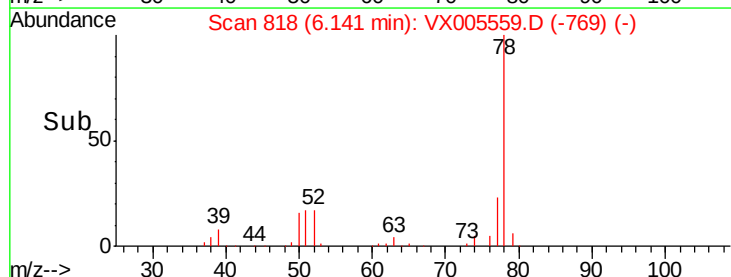
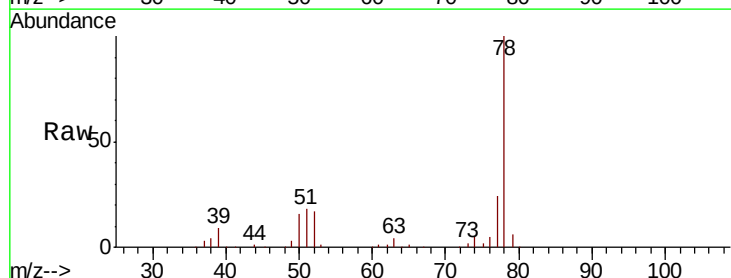
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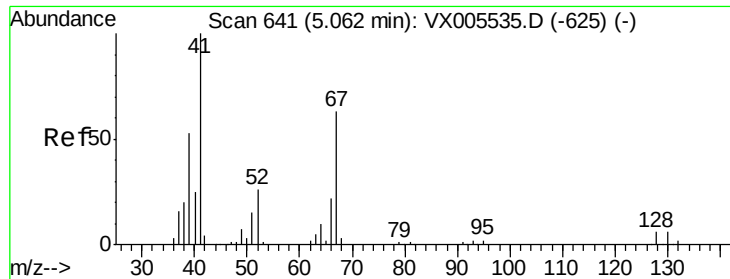
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#40
Benzene
Concen: 18.763 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 19.350 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

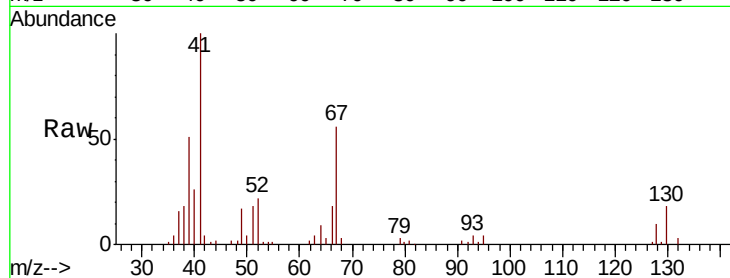
ClientSampleId :

VX1024WBS02

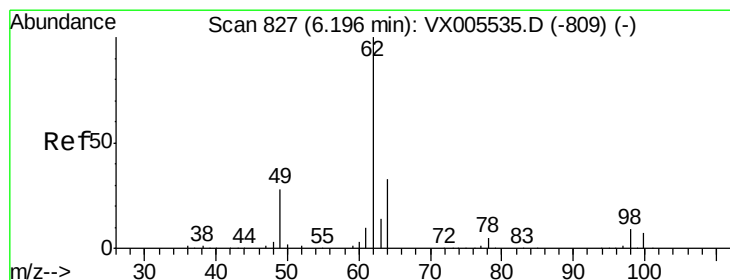
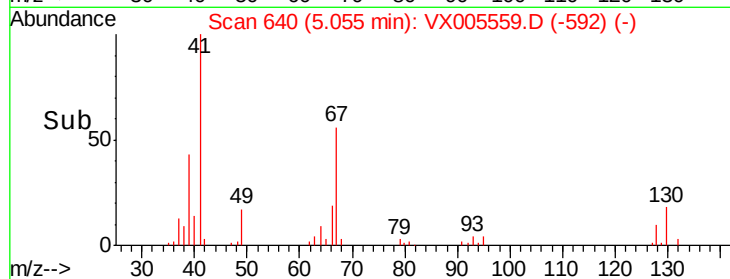
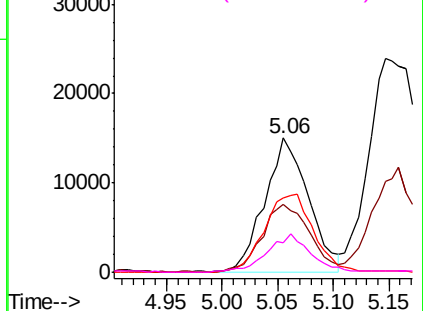
Tot Ion:	41	Resp:	41329
Ion	Ratio	Lower	Upper
41	100		
39	54.1	42.4	63.6
67	64.9	59.2	88.8
52	28.4	23.0	34.4

Manual Integrations
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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: 19.132 ug/l

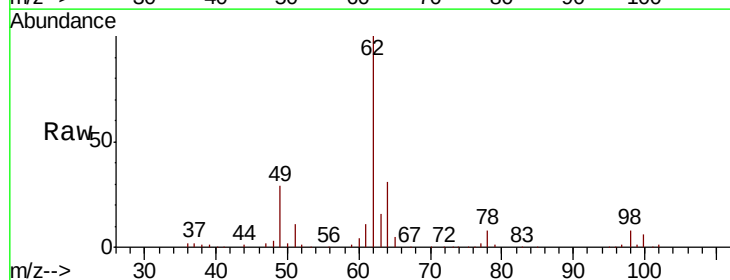
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

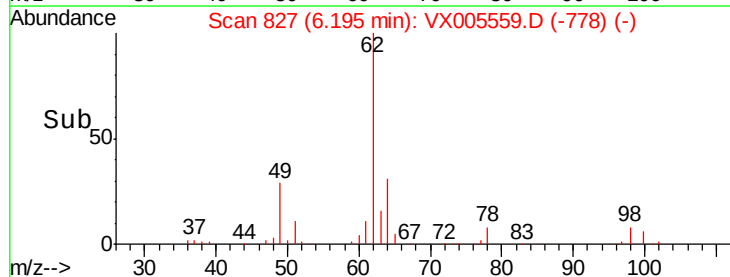
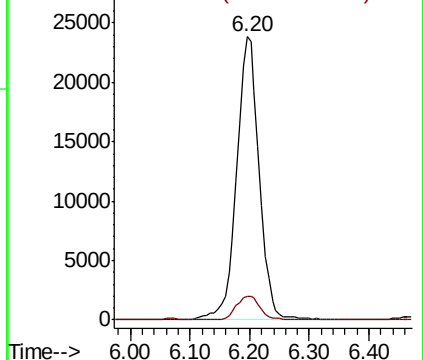
Lab File: VX005559.D

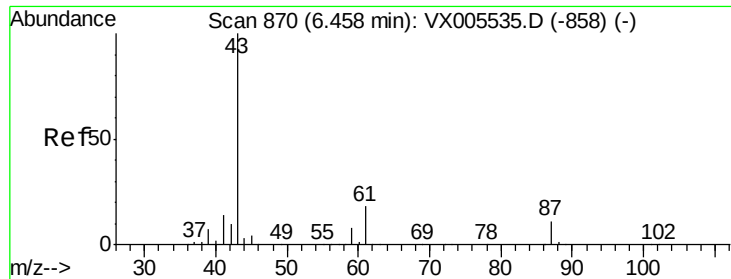
Acq: 25 Oct 2018 00:05

Tgt Ion:	62	Resp:	62602
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.194 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

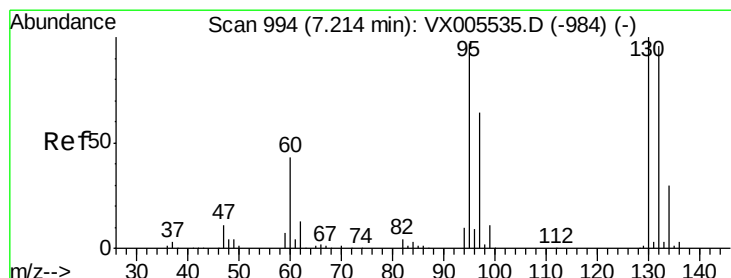
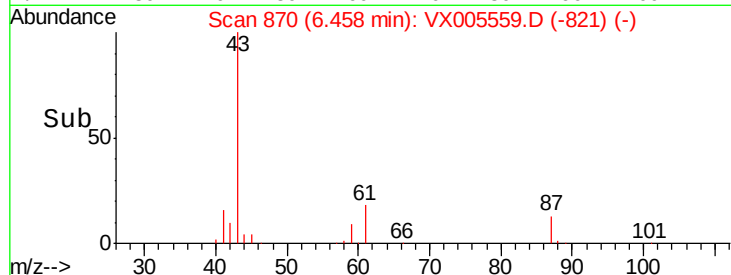
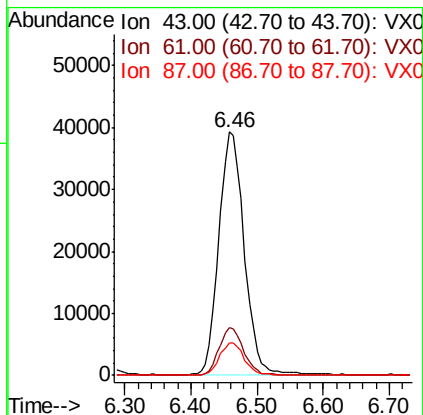
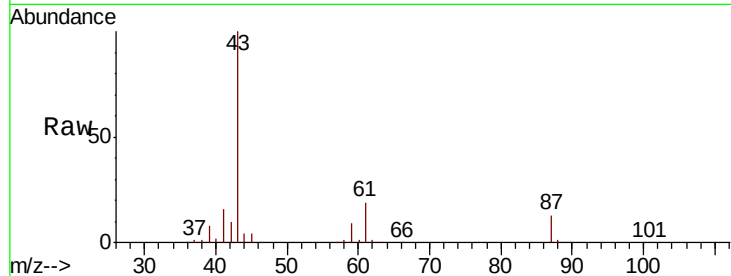
ClientSampleId :

VX1024WBS02

Tot Ion:	43	Resp:	104537
Ion	Ratio	Lower	Upper
43	100		
61	19.1	17.0	25.4
87	13.0	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.190 ug/l

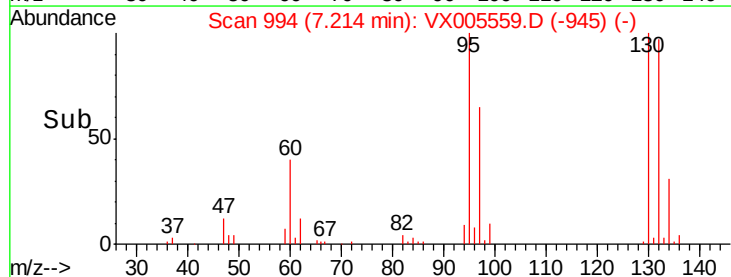
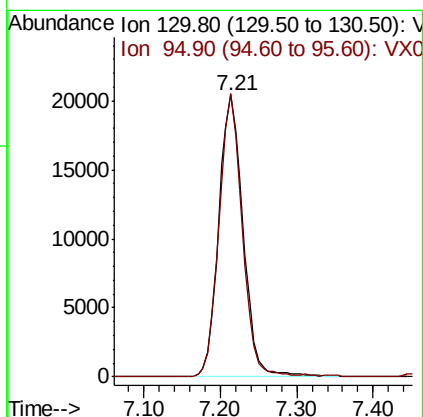
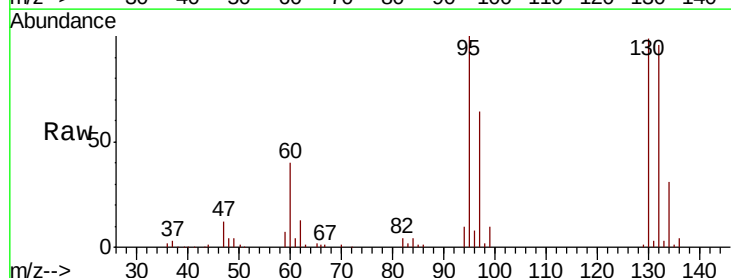
RT: 7.21 min Scan# 994

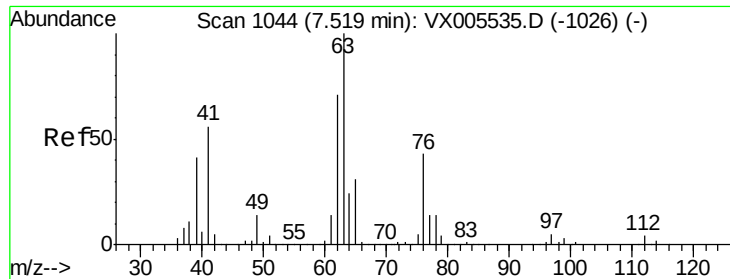
Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion:	130	Resp:	45029
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	181.6





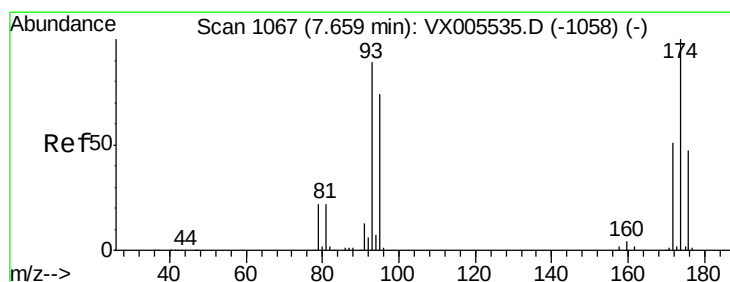
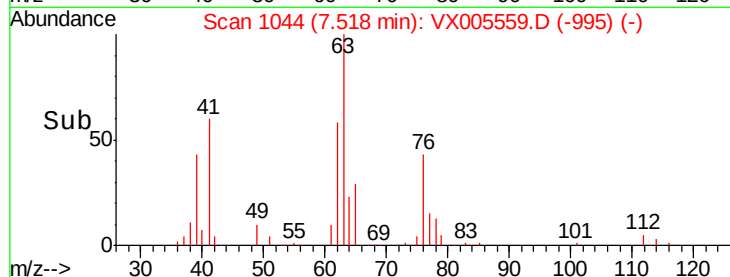
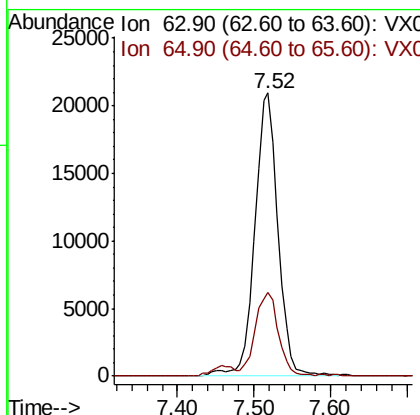
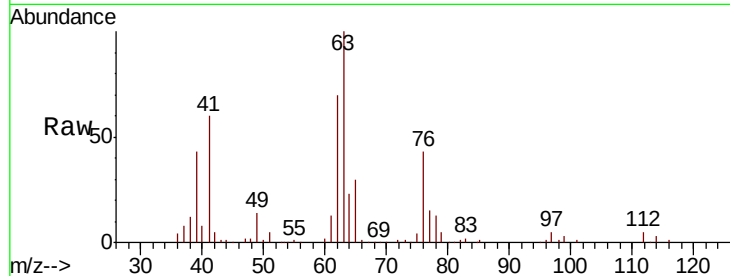
#45
 1,2-Dichloropropane
 Concen: 19.106 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS02

Tot Ion: 63 Resp: 44244
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.3 36.5

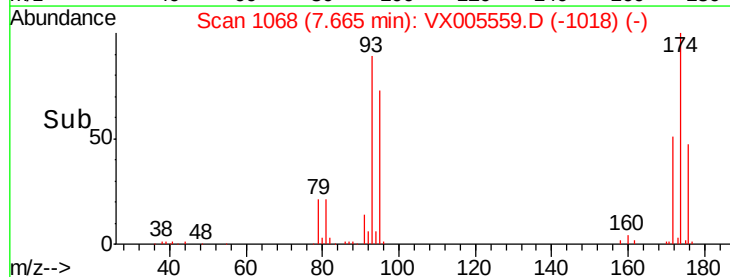
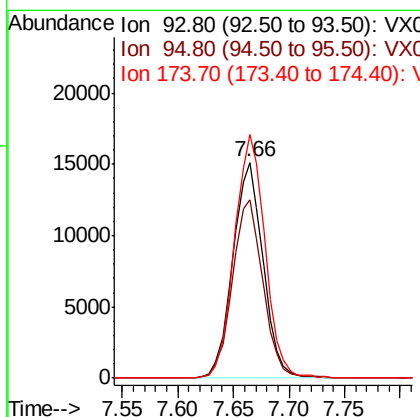
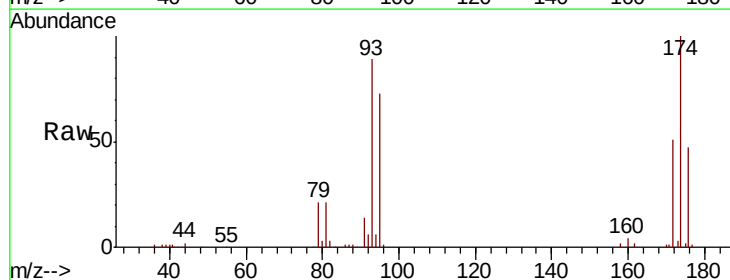
Manual Integrations
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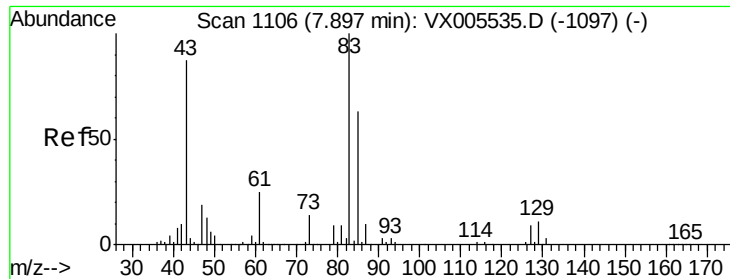
MMDadoda
 10/26/2018 11:53:55 AM



#46
 Dibromomethane
 Concen: 19.030 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Tgt Ion: 93 Resp: 28462
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 113.9 94.2 141.4





#47

Bromodichloromethane

Concen: 19.149 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

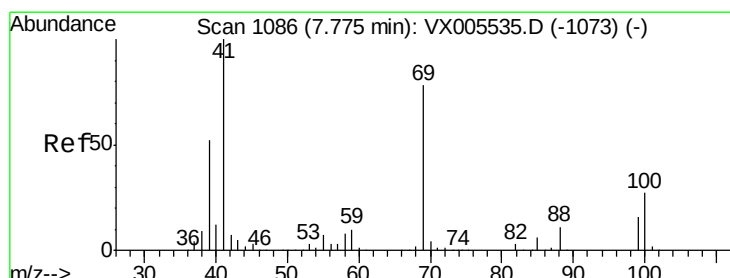
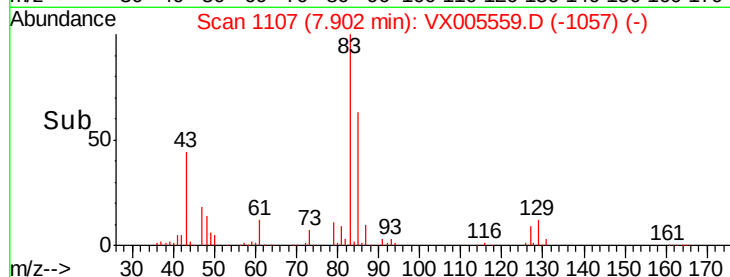
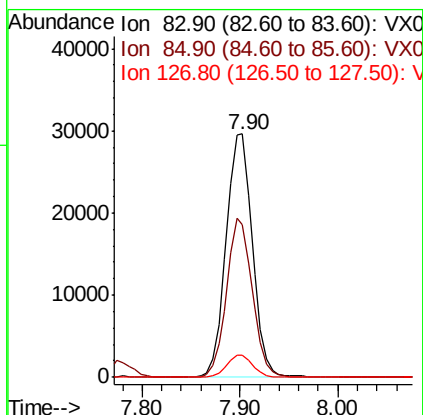
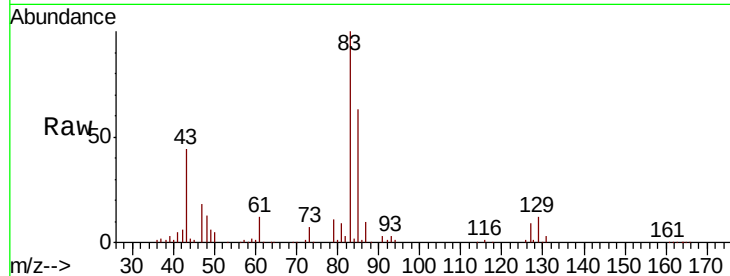
ClientSampleId :

VX1024WBS02

Tot Ion:	83	Resp:	55586
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	9.3	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:55 AM



#48

Methyl methacrylate

Concen: 19.451 ug/l

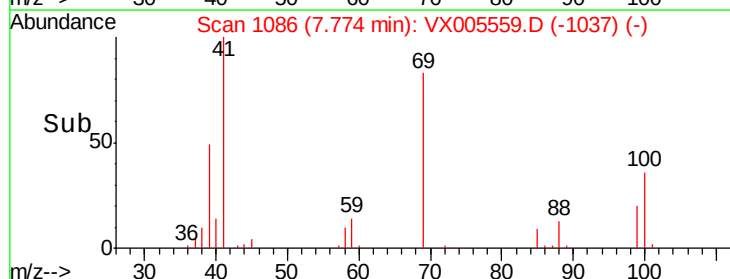
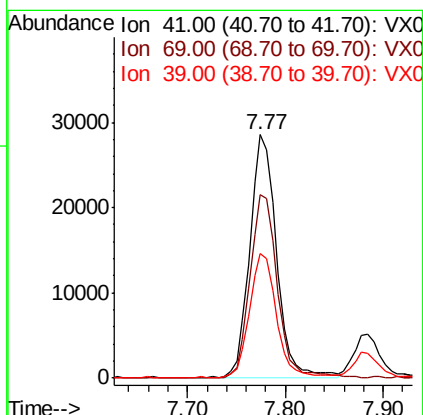
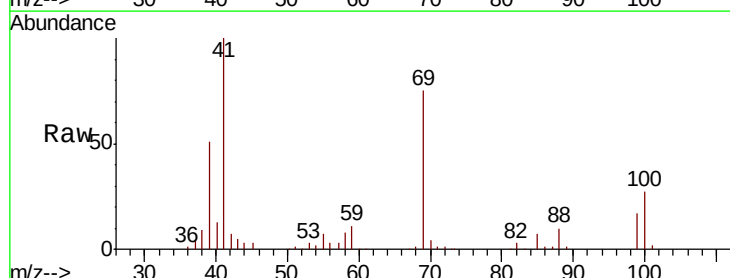
RT: 7.77 min Scan# 1086

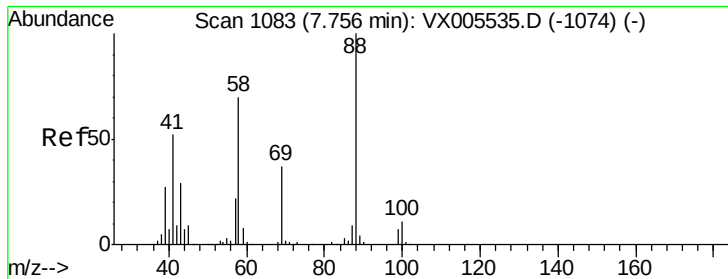
Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion:	41	Resp:	54445
Ion	Ratio	Lower	Upper
41	100		
69	77.5	70.2	105.4
39	50.8	42.7	64.1





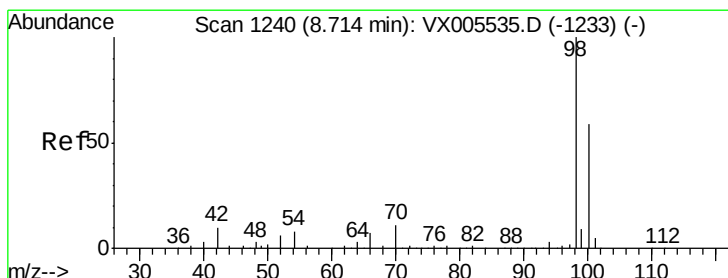
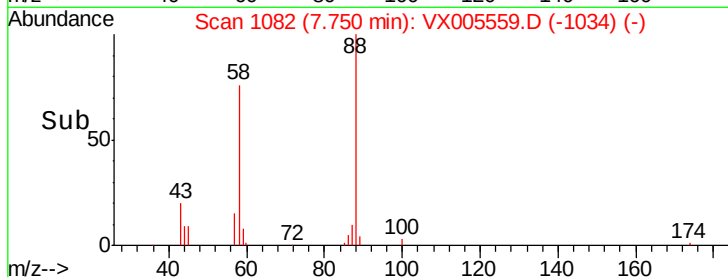
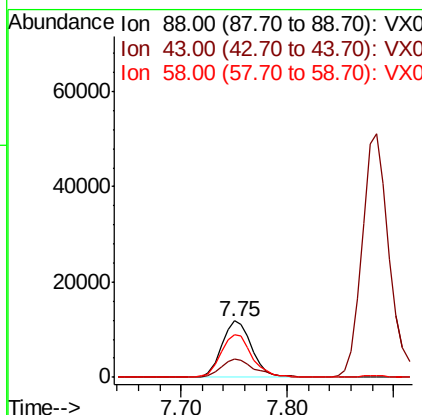
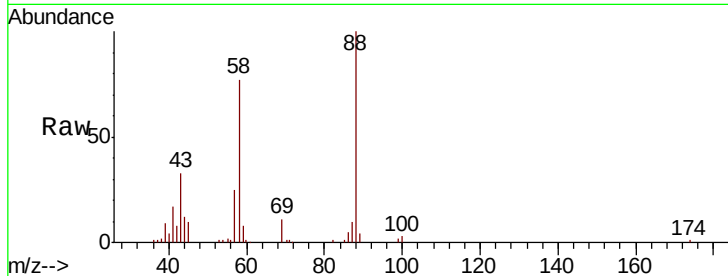
#49
1,4-Dioxane
Concen: 384.154 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	24.7	37.1
58	78.0	55.3	82.9

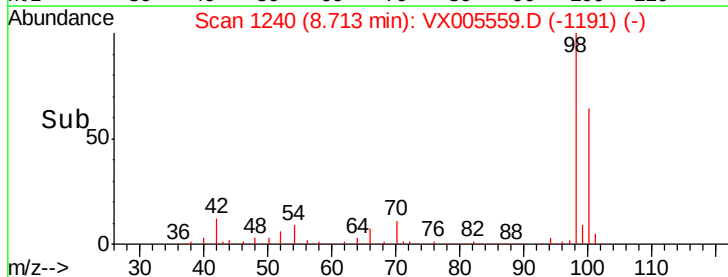
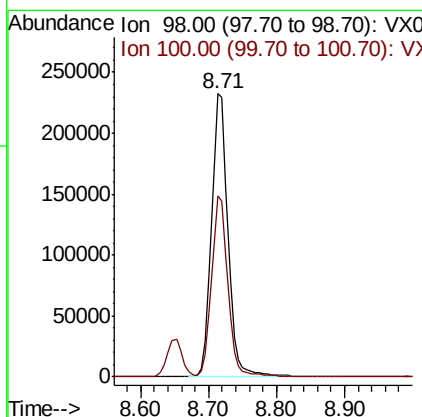
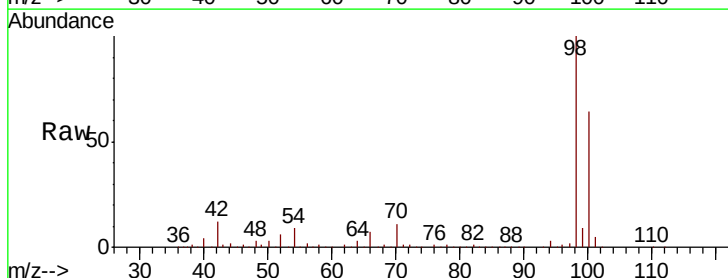
Manual Integrations
APPROVED

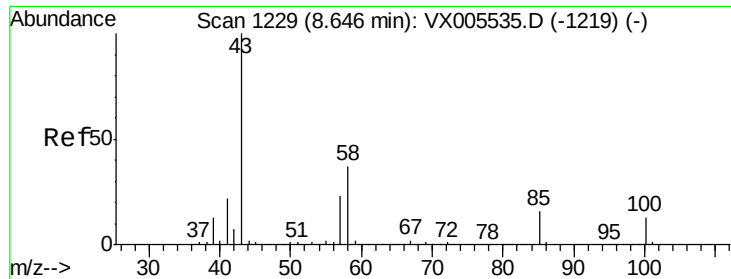
MMDadoda
10/26/2018 11:53:55 AM



#50
Toluene-d8
Concen: 51.933 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 97.215 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 43 Resp: 375402

Ion Ratio Lower Upper

43 100

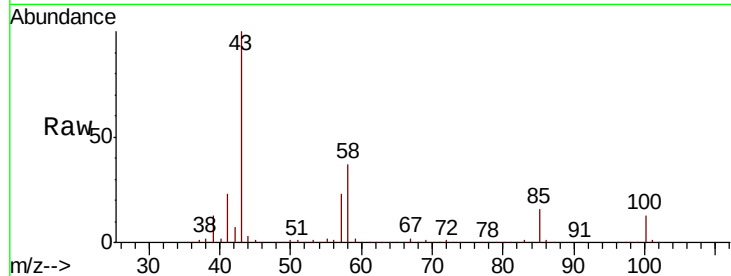
58 37.0 33.1 49.7

Manual Integrations

APPROVED

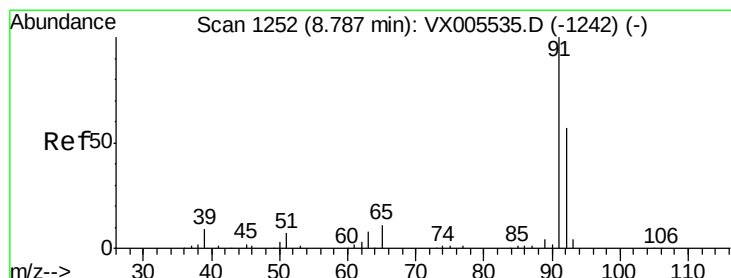
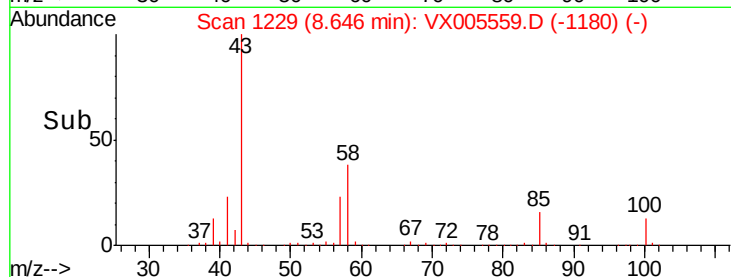
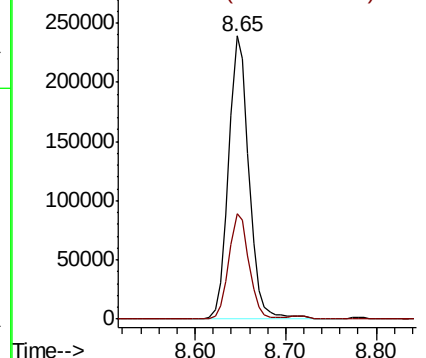
MMDadoda

10/26/2018 11:53:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.396 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005559.D

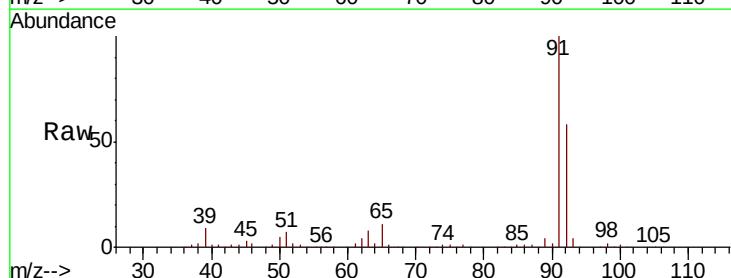
Acq: 25 Oct 2018 00:05

Tgt Ion: 92 Resp: 101533

Ion Ratio Lower Upper

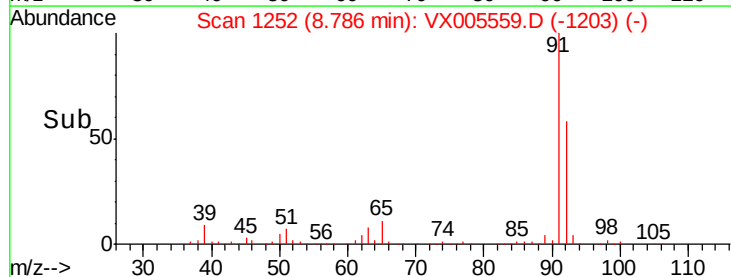
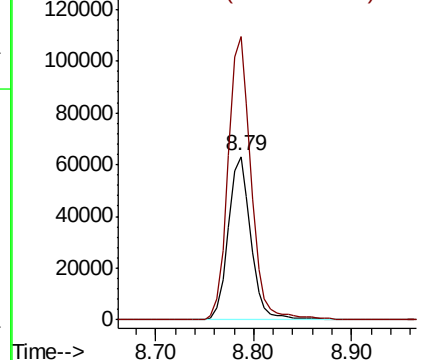
92 100

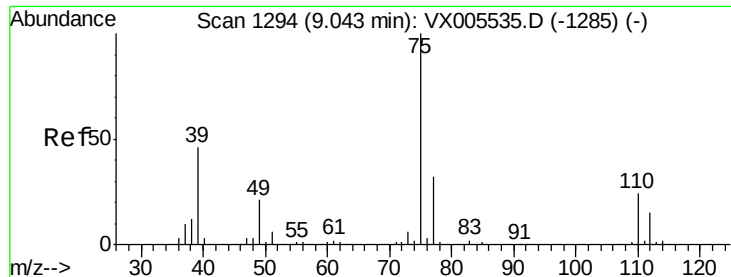
91 176.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





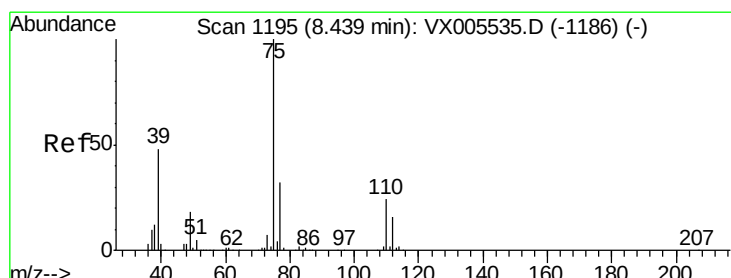
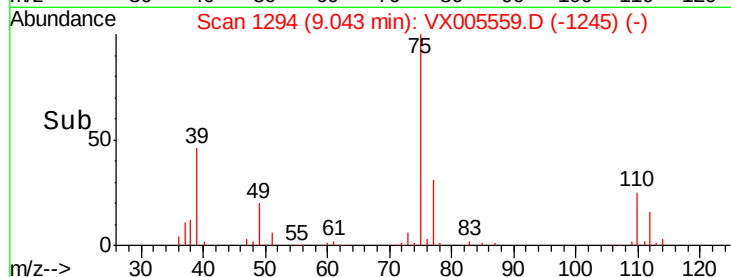
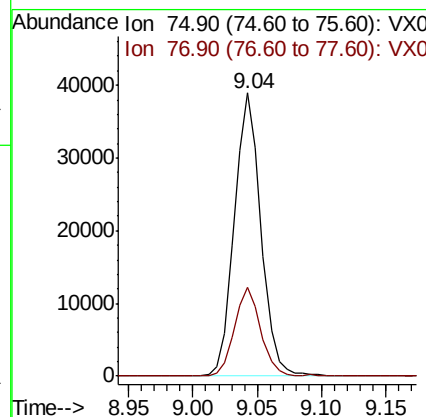
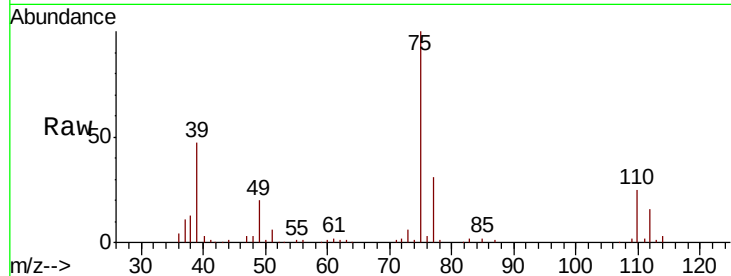
#53
t-1,3-Dichloropropene
Concen: 17.942 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion: 75 Resp: 56290
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0

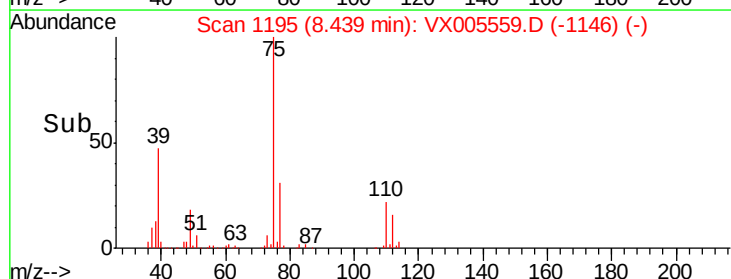
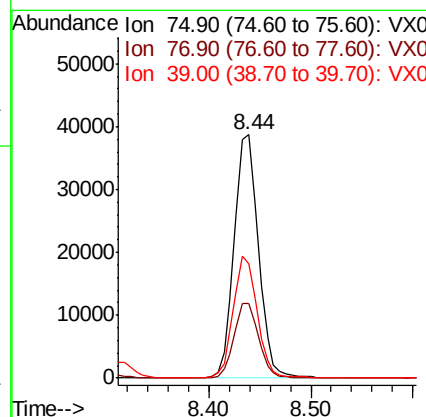
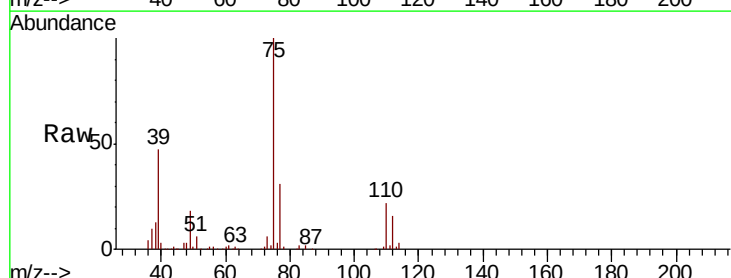
Manual Integrations
APPROVED

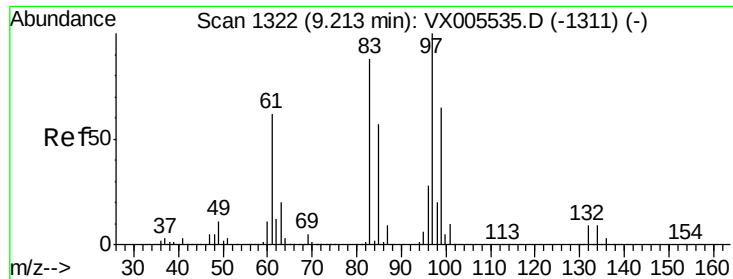
MMDadoda
10/26/2018 11:53:55 AM



#54
cis-1,3-Dichloropropene
Concen: 18.880 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion: 75 Resp: 63774
Ion Ratio Lower Upper
75 100
77 30.6 26.2 39.2
39 46.6 36.4 54.6





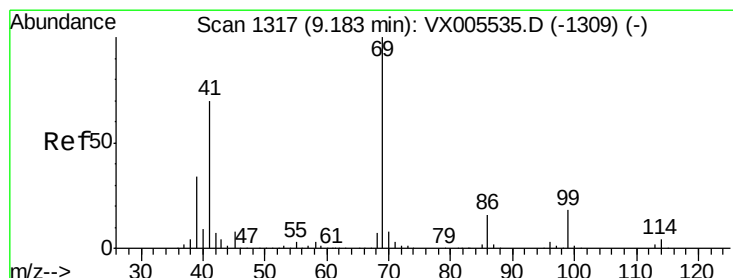
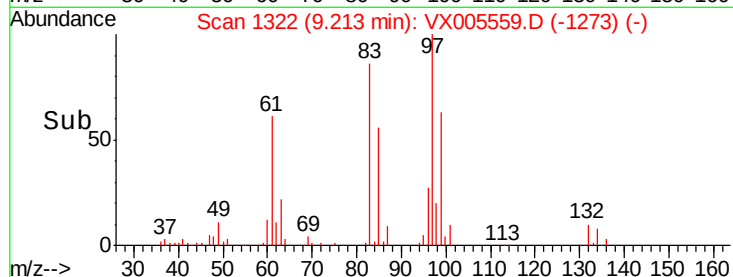
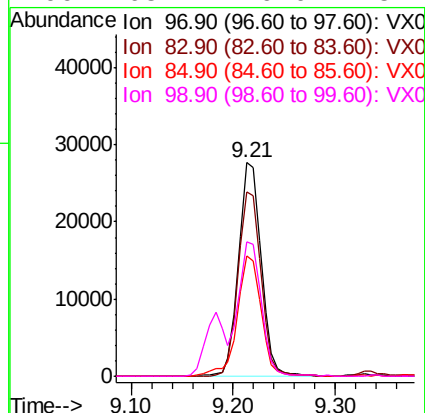
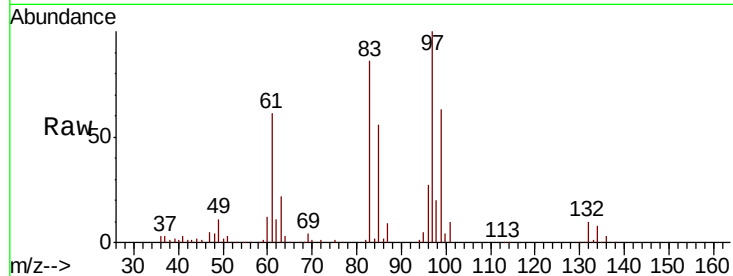
#55
1,1,2-Trichloroethane
Concen: 19.201 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion:	97	Resp:	42378
Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.4	99.6
85	56.1	43.3	64.9
99	63.1	49.0	73.4

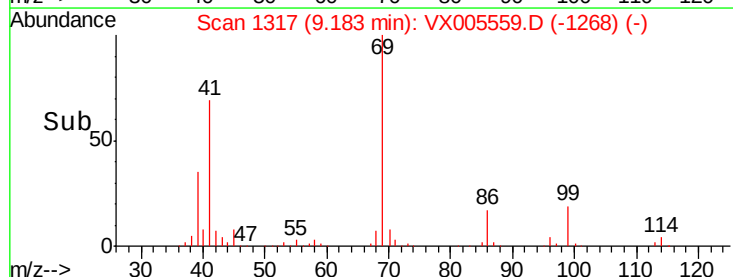
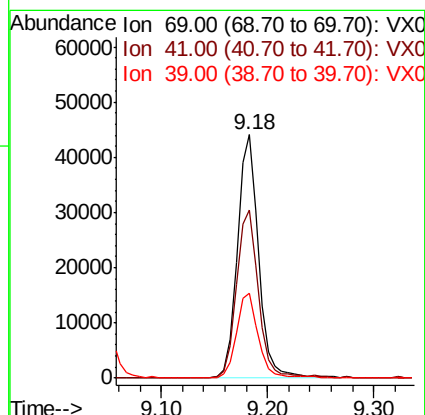
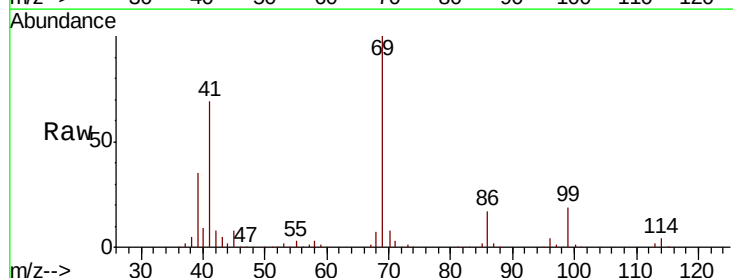
Manual Integrations
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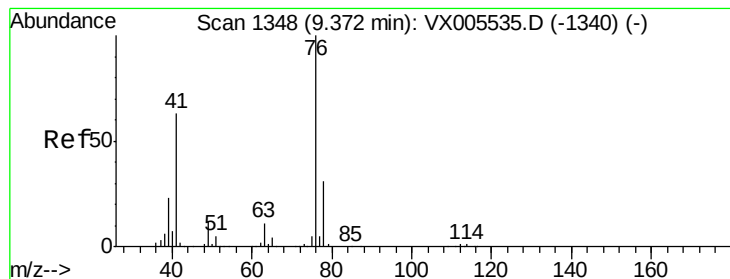
MMDadoda
10/26/2018 11:53:55 AM



#56
Ethyl methacrylate
Concen: 18.682 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion:	69	Resp:	61503
Ion	Ratio	Lower	Upper
69	100		
41	71.5	51.0	76.4
39	35.7	26.1	39.1





#57

1,3-Dichloropropane

Concen: 18.986 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 76 Resp: 70902

Ion Ratio Lower Upper

76 100

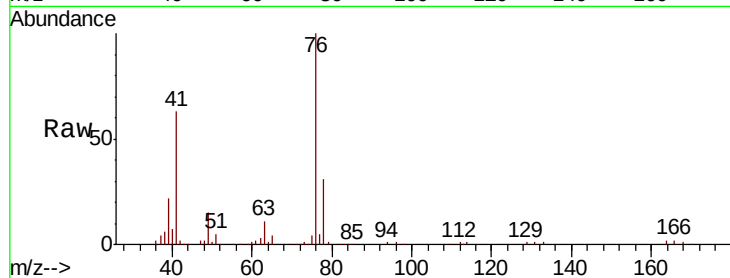
78 32.3 25.5 38.3

Manual Integrations

APPROVED

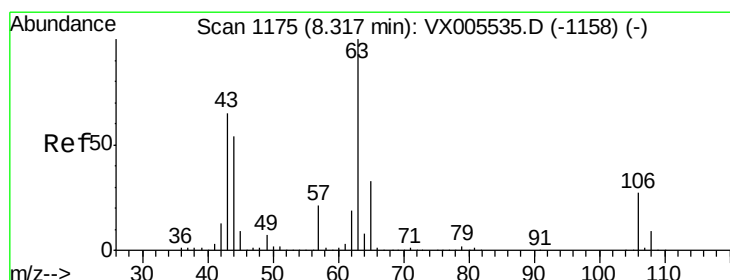
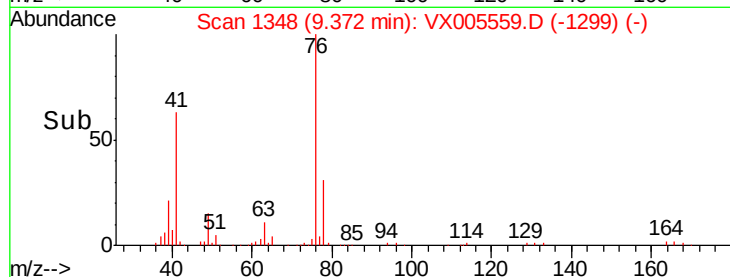
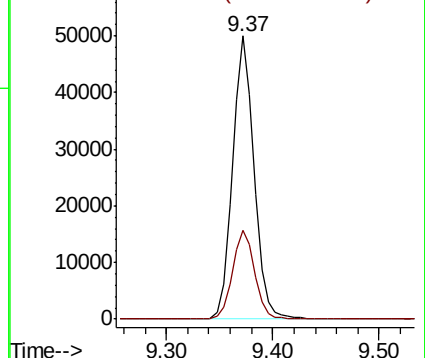
MMDadoda

10/26/2018 11:53:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 101.931 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005559.D

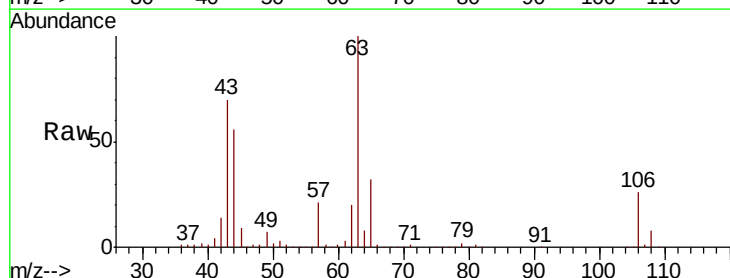
Acq: 25 Oct 2018 00:05

Tgt Ion: 63 Resp: 187413

Ion Ratio Lower Upper

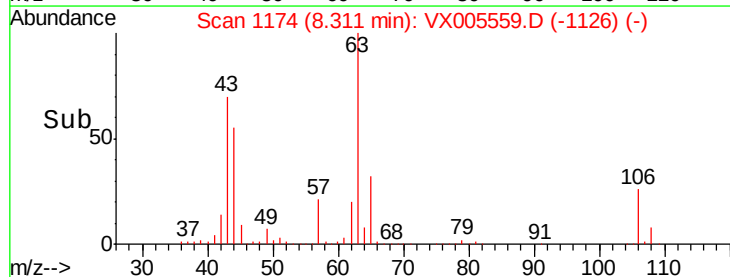
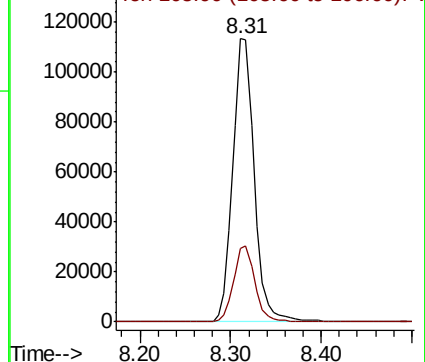
63 100

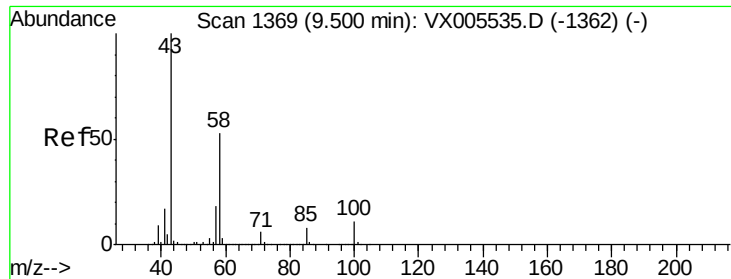
106 26.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





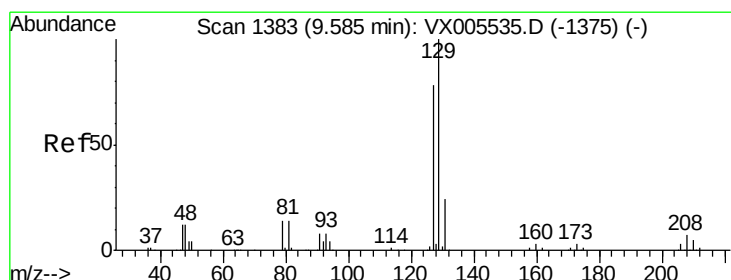
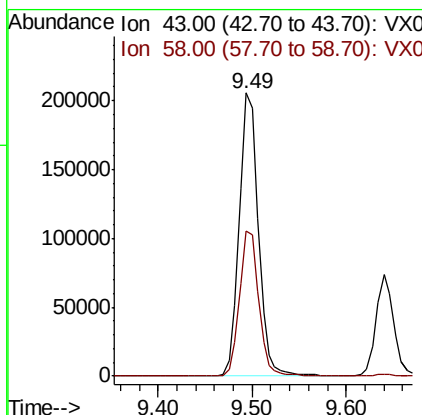
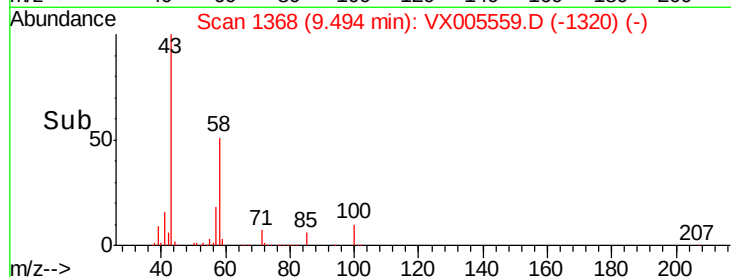
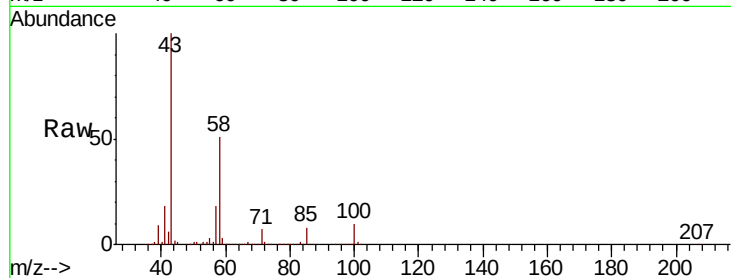
#59
2-Hexanone
Concen: 96.137 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion: 43 Resp: 292702
Ion Ratio Lower Upper
43 100
58 51.7 29.0 87.0

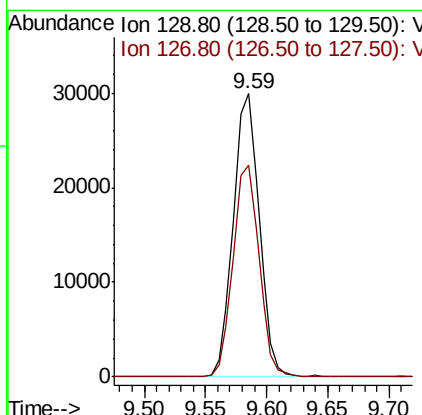
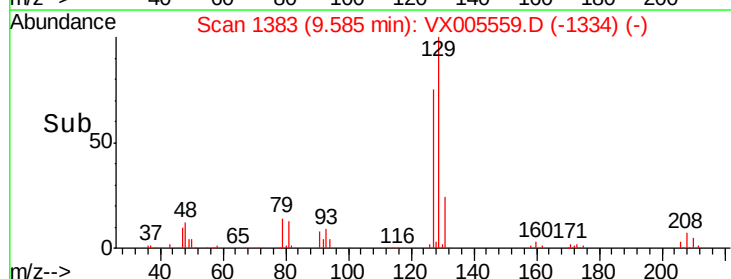
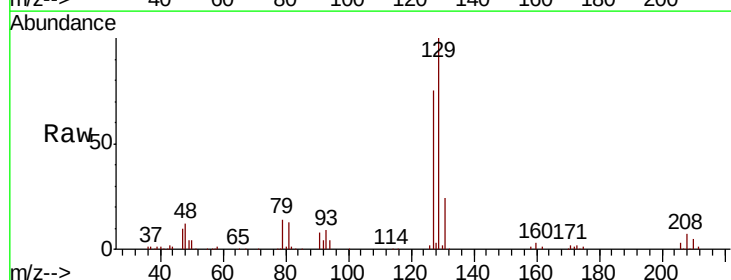
Manual Integrations
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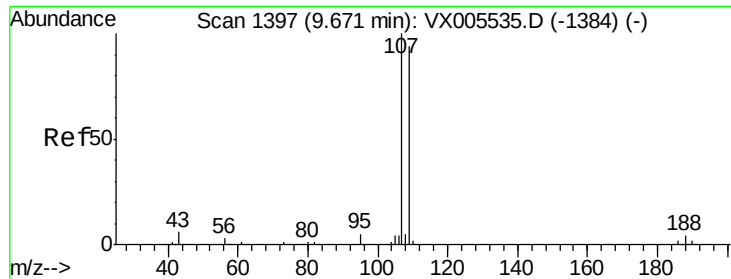
MMDadoda
10/26/2018 11:53:55 AM



#60
Dibromochloromethane
Concen: 19.114 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion:129 Resp: 44015
Ion Ratio Lower Upper
129 100
127 75.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.219 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 107 Resp: 43882

Ion Ratio Lower Upper

107 100

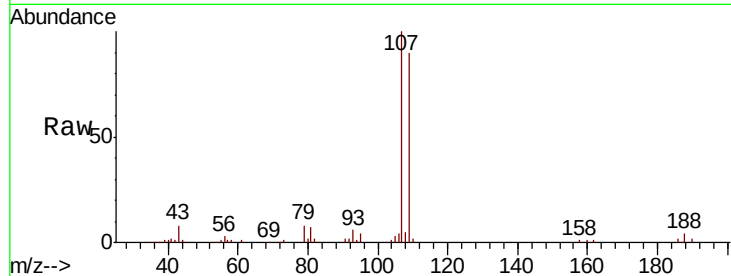
109 95.6 76.0 114.0

Manual Integrations

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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

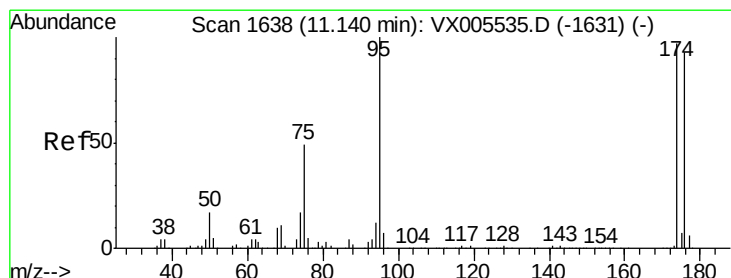
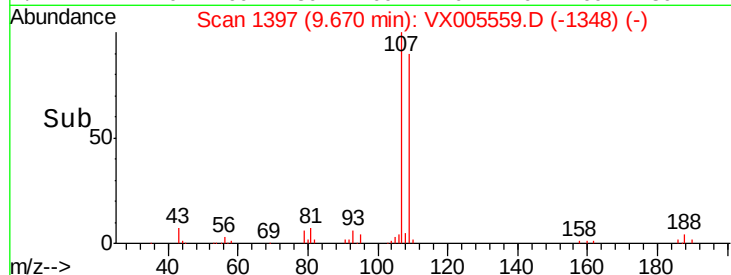
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.926 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

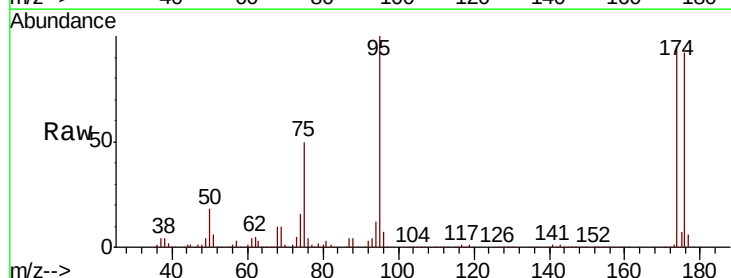
Tgt Ion: 95 Resp: 142033

Ion Ratio Lower Upper

95 100

174 92.8 0.0 185.2

176 89.6 0.0 178.6



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

150000

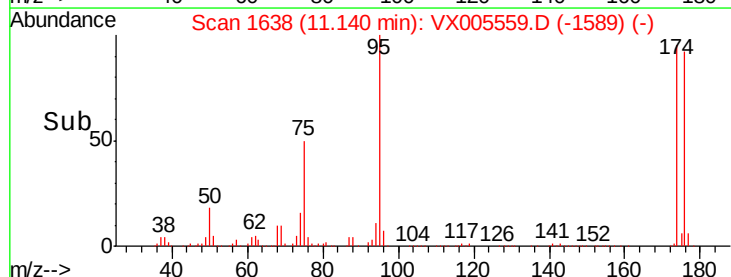
100000

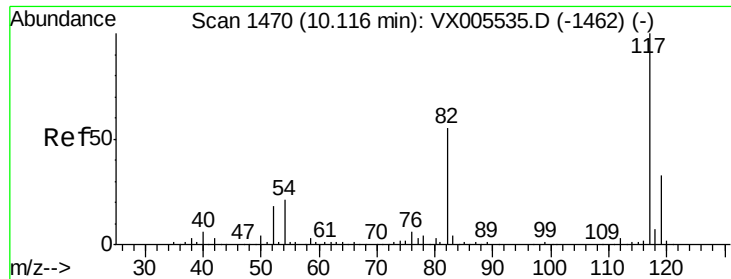
50000

0

Time-->

11.10 11.20





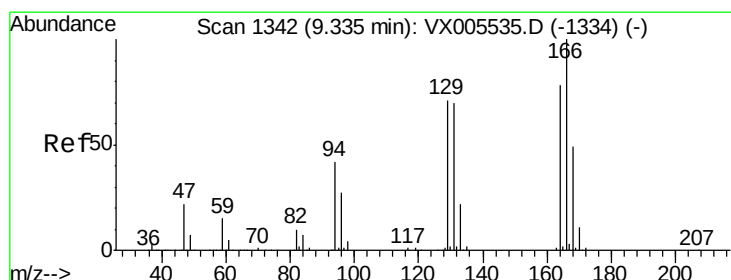
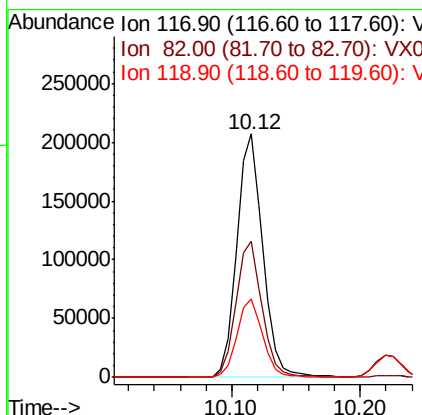
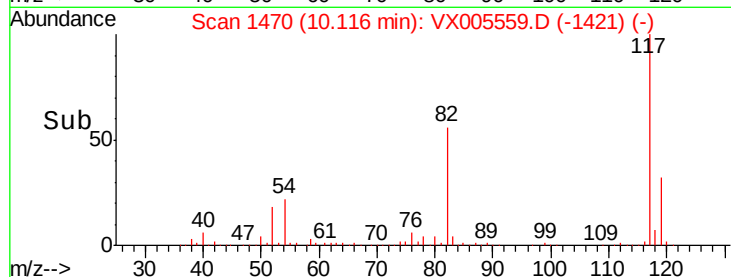
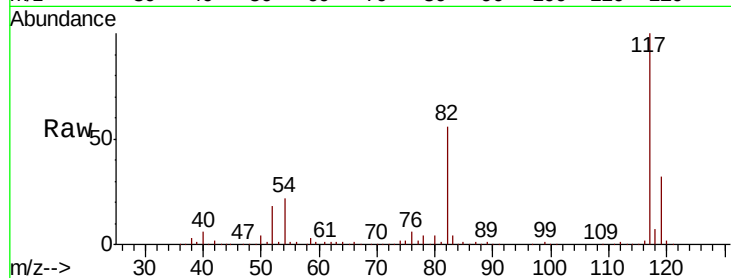
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.6
119	32.4	29.3	43.9

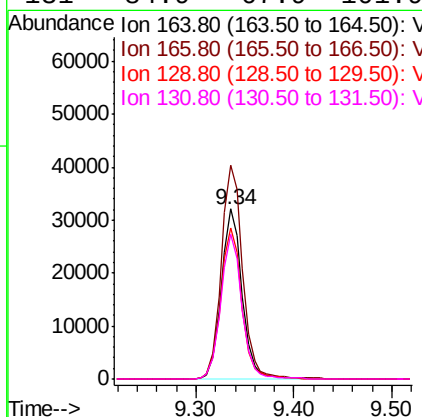
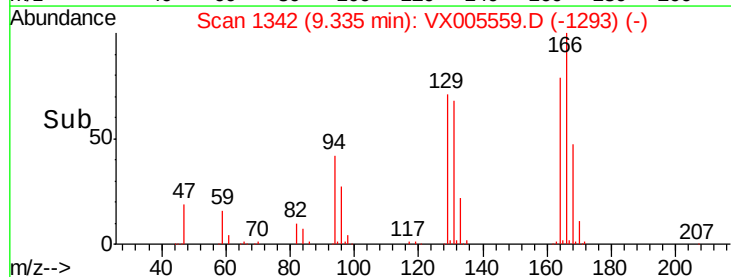
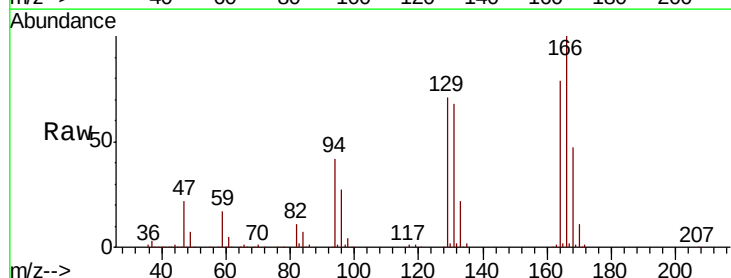
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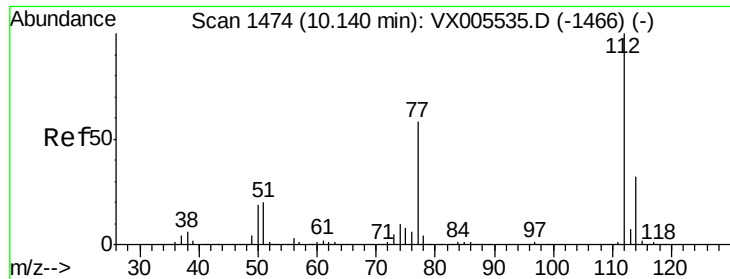
MMDadoda
10/26/2018 11:53:55 AM



#64
Tetrachloroethene
Concen: 19.779 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.8	154.2
129	89.3	69.4	104.0
131	84.9	67.9	101.9





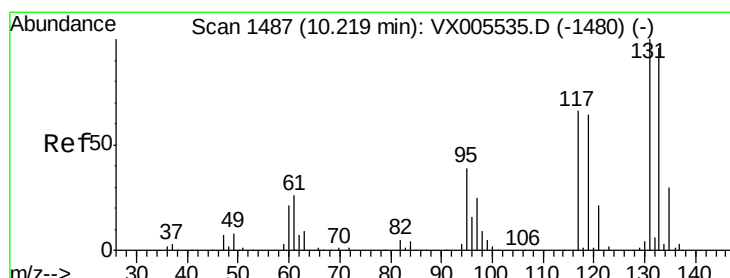
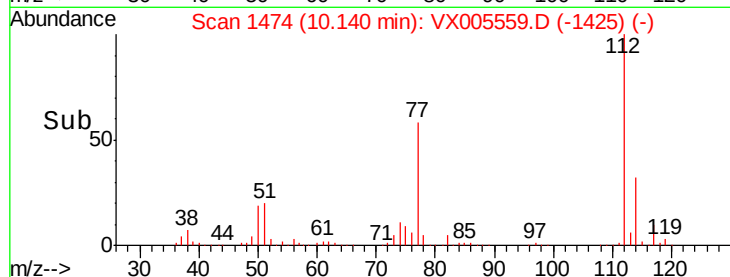
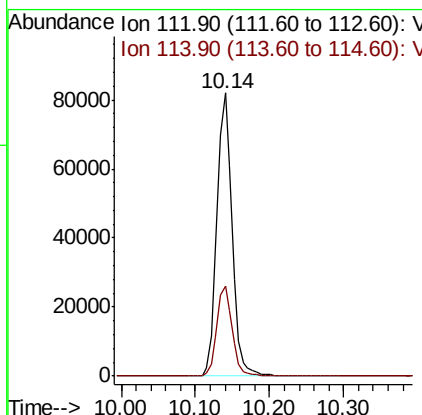
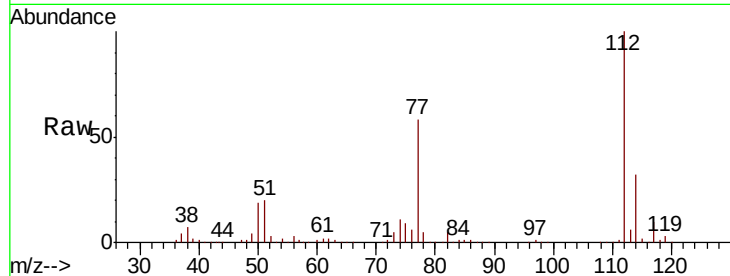
#65
Chlorobenzene
Concen: 18.678 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion:112 Resp: 114864
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.8

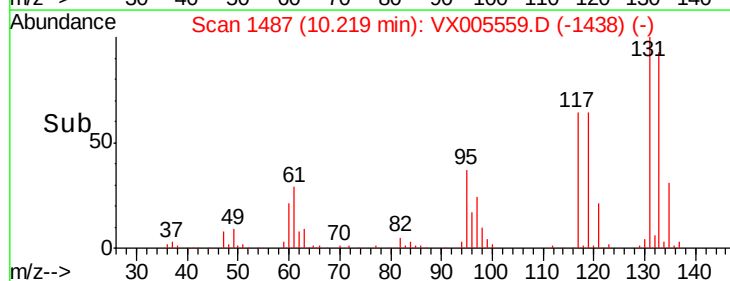
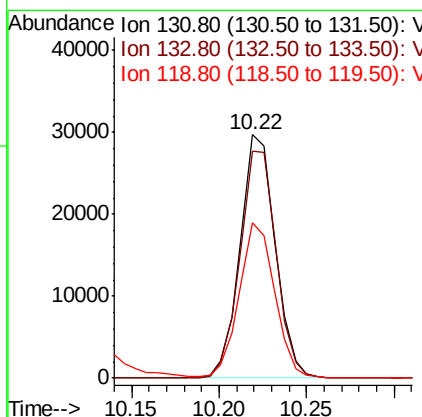
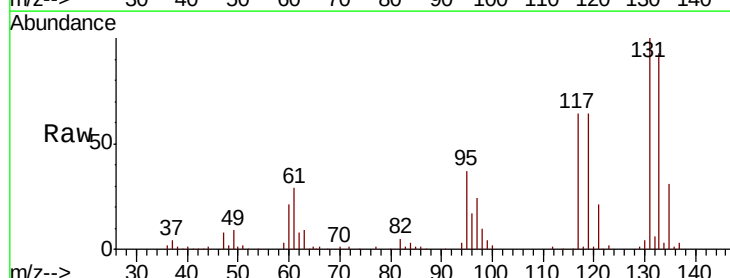
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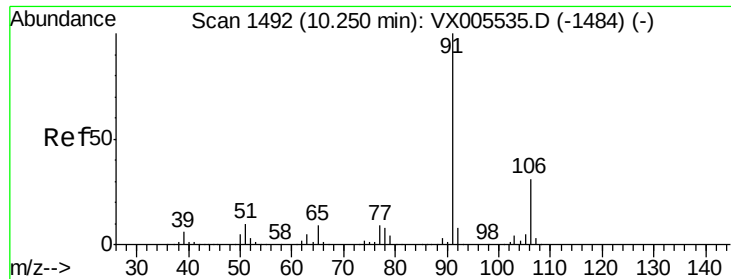
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.582 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion:131 Resp: 41668
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 64.8 32.9 98.6





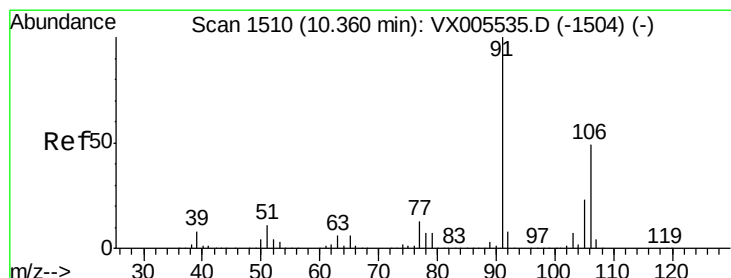
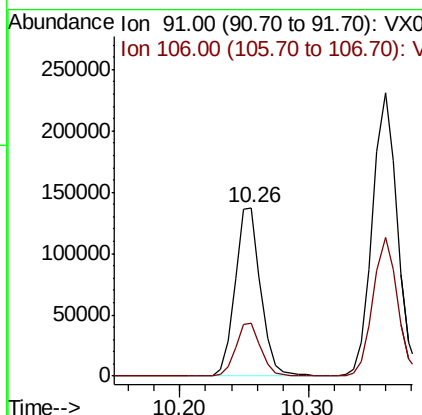
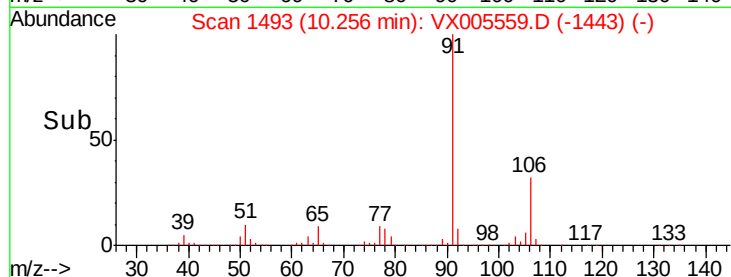
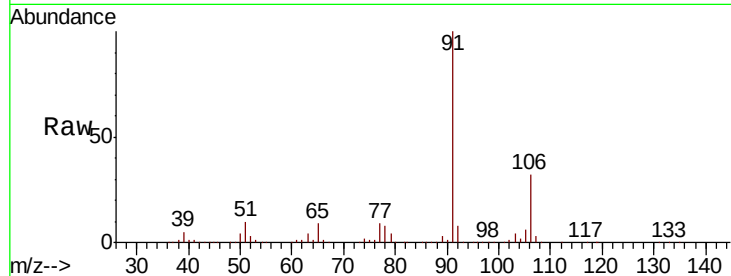
#67
Ethyl Benzene
Concen: 18.874 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion: 91 Resp: 190965
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9

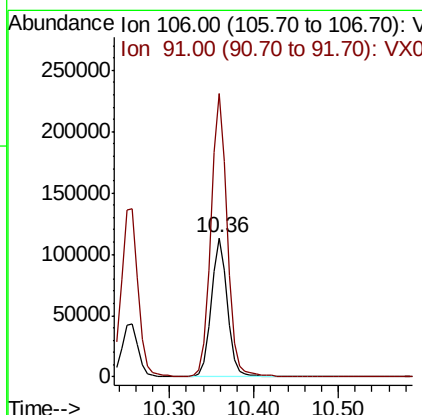
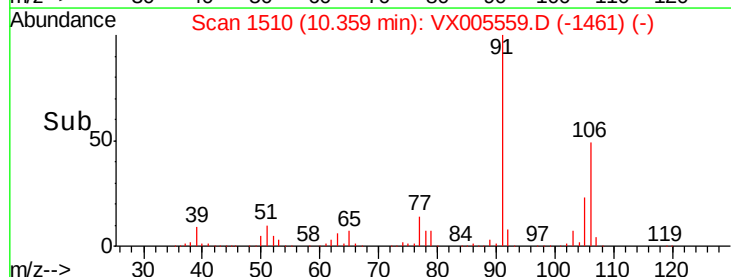
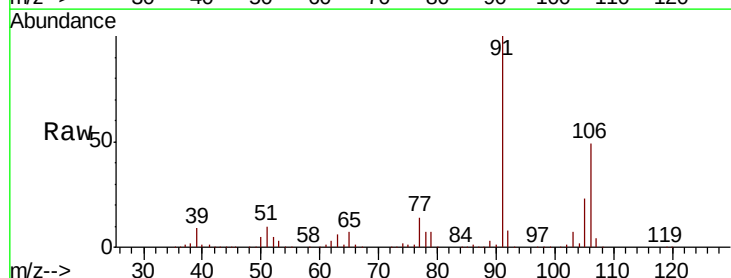
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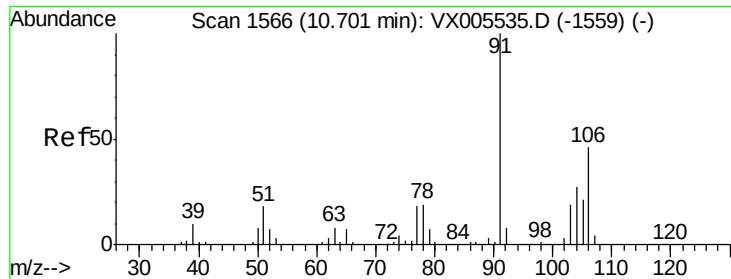
MMDadoda
10/26/2018 11:53:55 AM



#68
m/p-Xylenes
Concen: 38.408 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion: 106 Resp: 150773
Ion Ratio Lower Upper
106 100
91 205.3 157.1 235.7





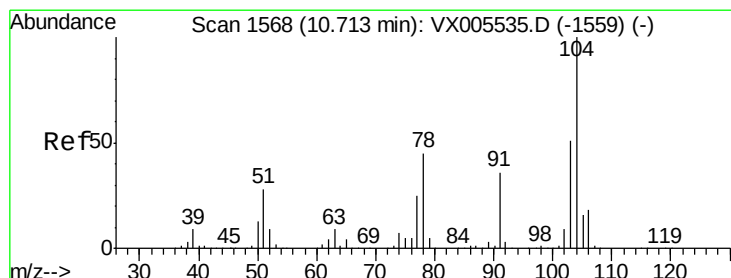
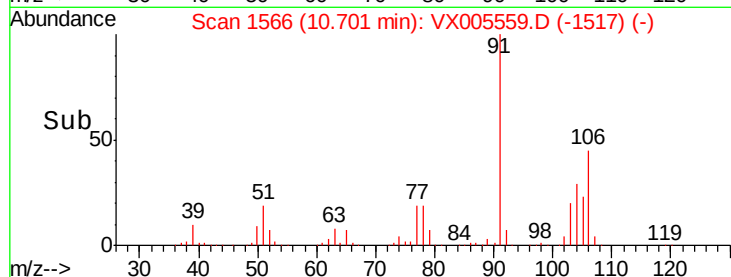
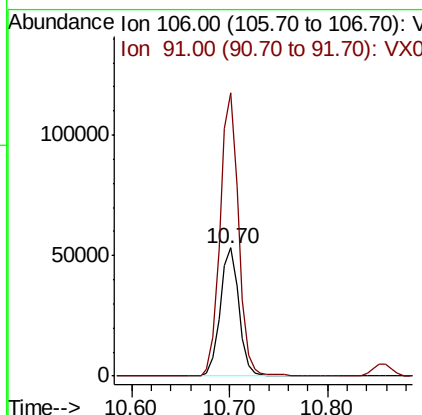
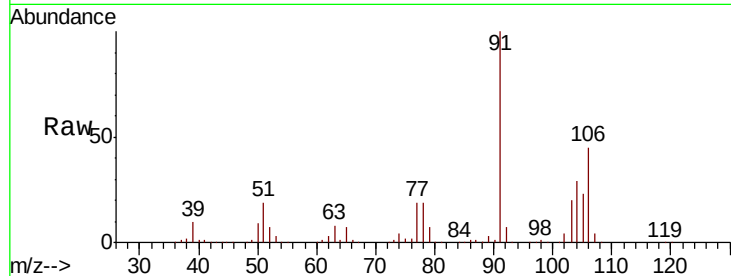
#69
o-Xylene
Concen: 19.184 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion:106 Resp: 70850
Ion Ratio Lower Upper
106 100
91 217.4 105.1 315.1

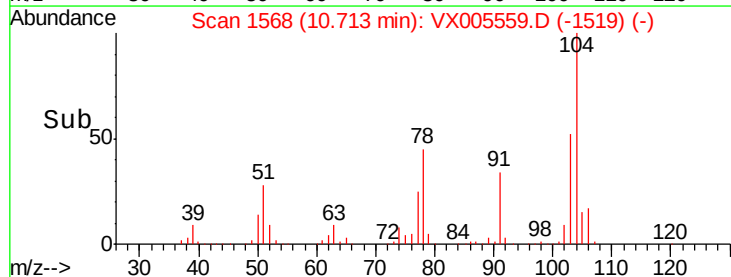
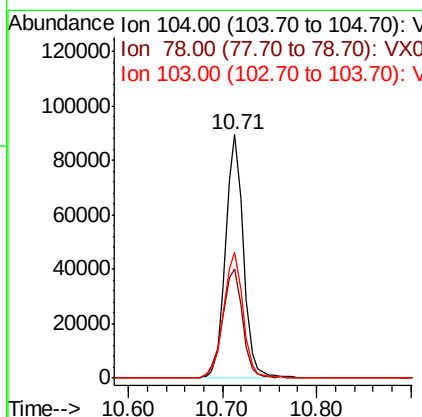
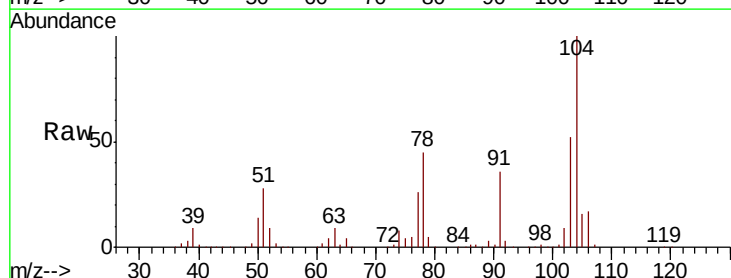
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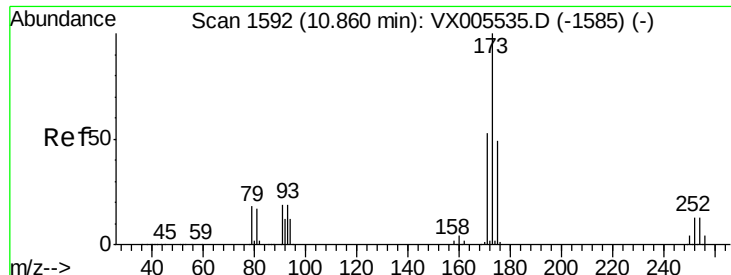
MMDadoda
10/26/2018 11:53:55 AM



#70
Styrene
Concen: 19.195 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion:104 Resp: 118673
Ion Ratio Lower Upper
104 100
78 50.5 37.4 56.0
103 56.1 43.8 65.6





#71

Bromoform

Concen: 17.551 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion:173 Resp: 35119

Ion Ratio Lower Upper

173 100

175 50.1 24.1 72.3

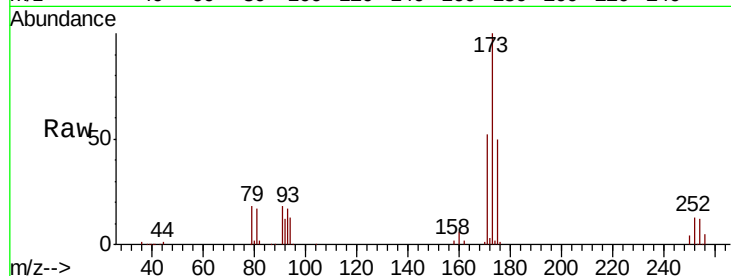
254 0.2 0.2 0.2

Manual Integrations

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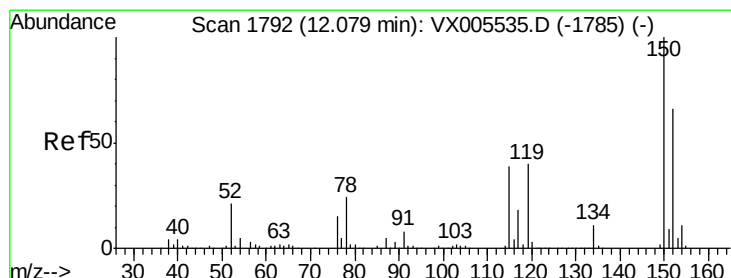
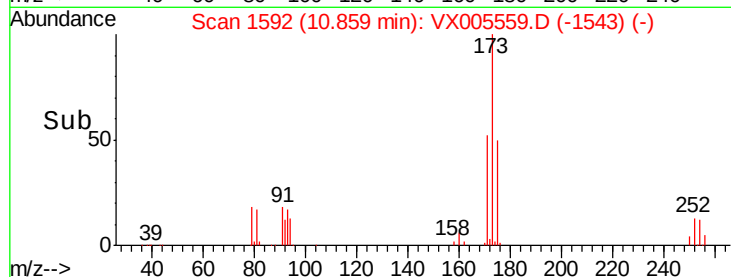
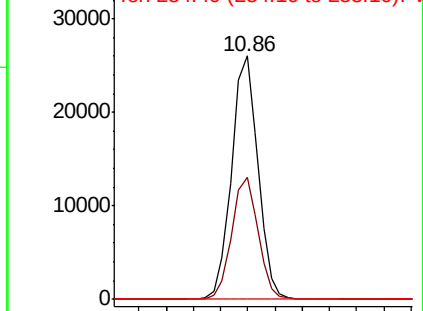
10/26/2018 11:53:55 AM



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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

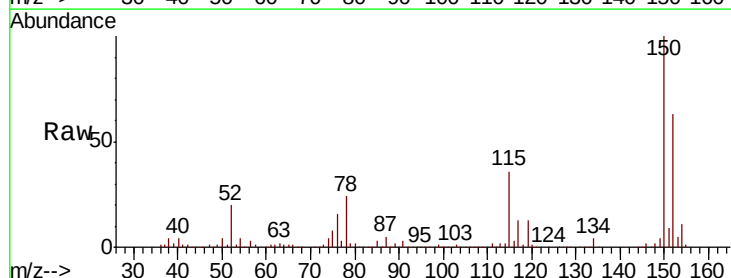
Tgt Ion:152 Resp: 158296

Ion Ratio Lower Upper

152 100

115 64.8 39.0 117.0

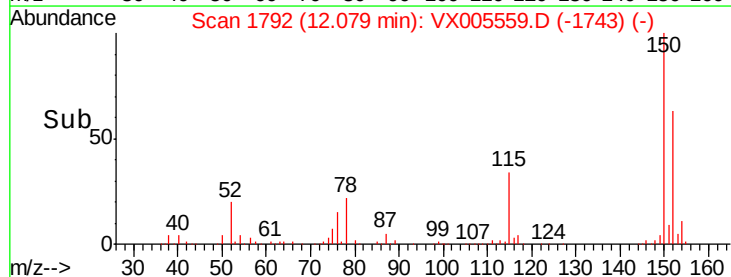
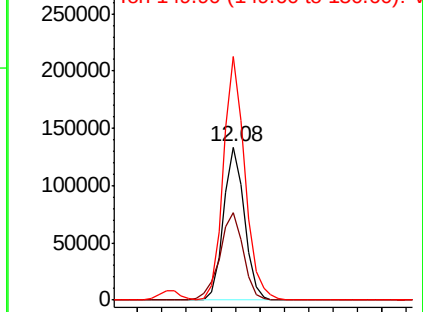
150 163.5 0.0 351.0

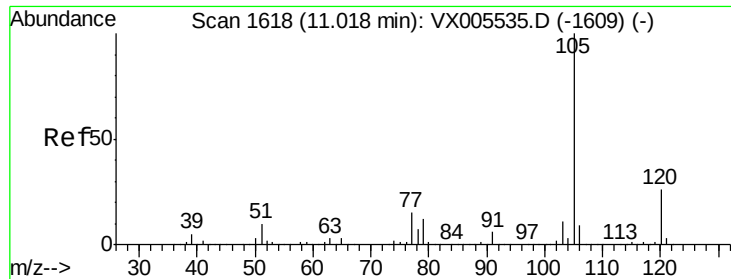


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





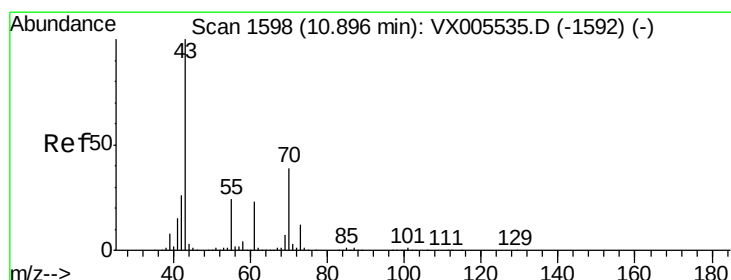
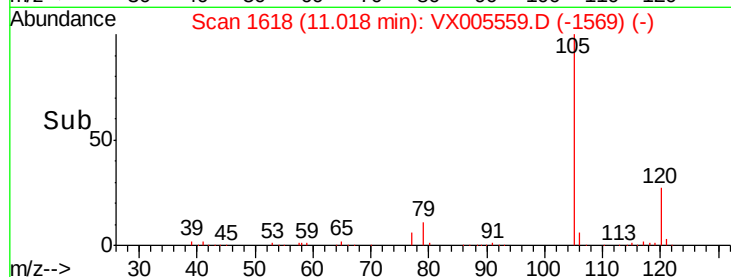
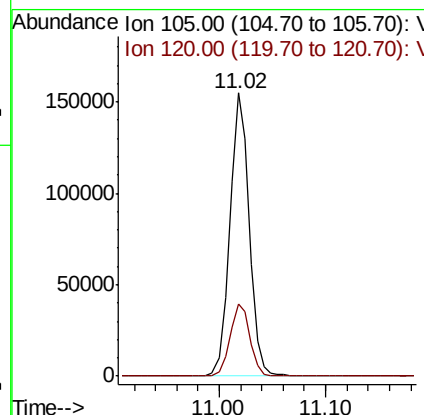
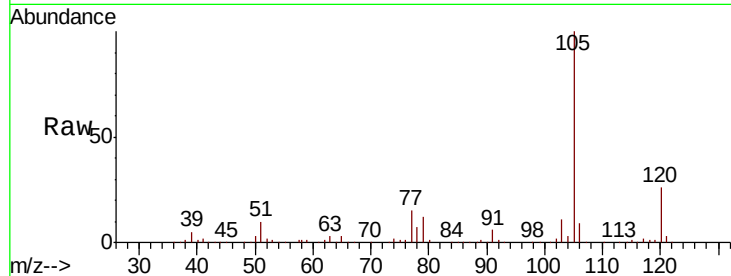
#73
Isopropylbenzene
Concen: 20.280 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.5	40.4

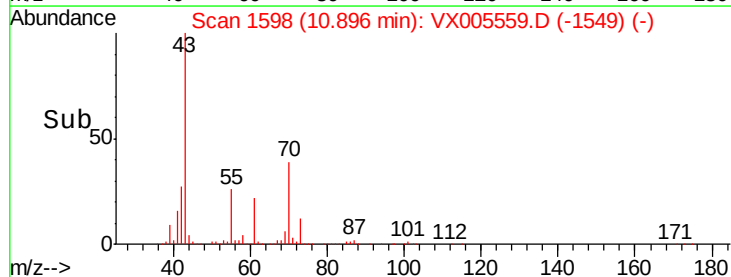
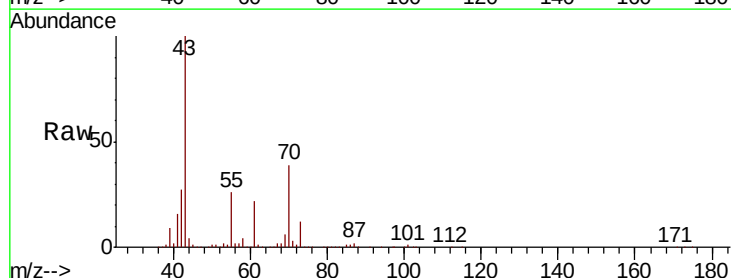
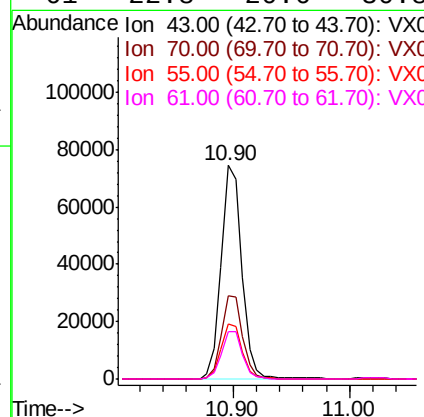
Manual Integrations
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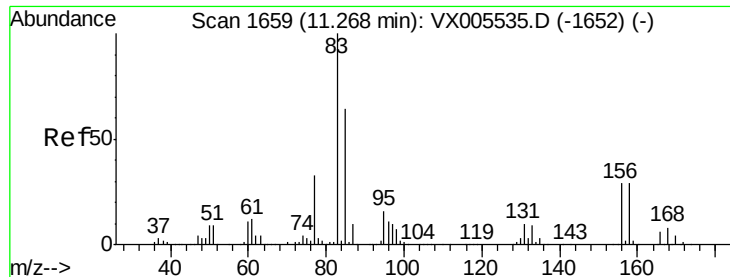
MMDadoda
10/26/2018 11:53:55 AM



#74
N-ethyl acetate
Concen: 18.911 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.9	37.4	56.0
55	26.5	21.8	32.8
61	22.8	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.158 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

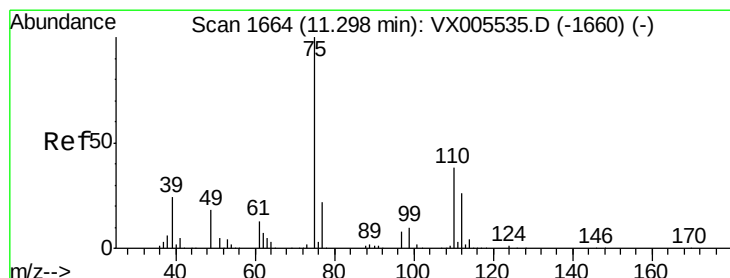
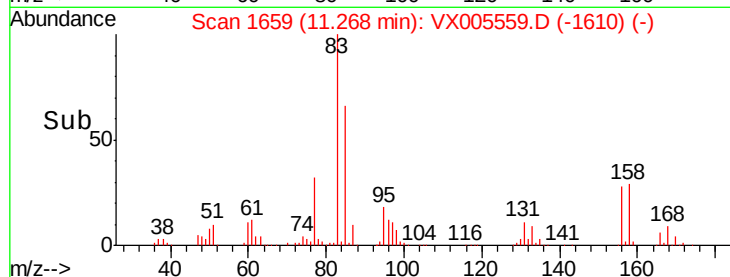
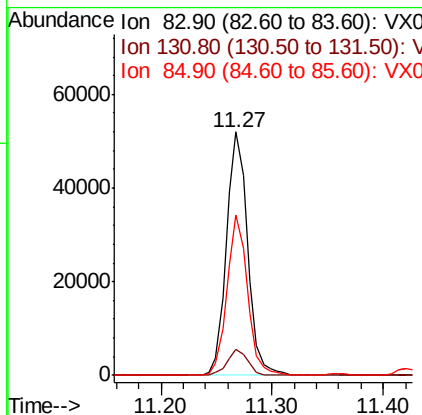
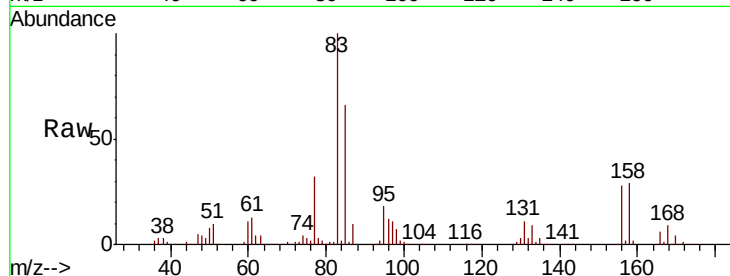
ClientSampleId :

VX1024WBS02

Tot Ion:	83	Resp:	68393
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	63.8	32.3	96.8

Manual Integrations
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10/26/2018 11:53:55 AM



#76

1,2,3-Trichloropropane

Concen: 19.781 ug/l m

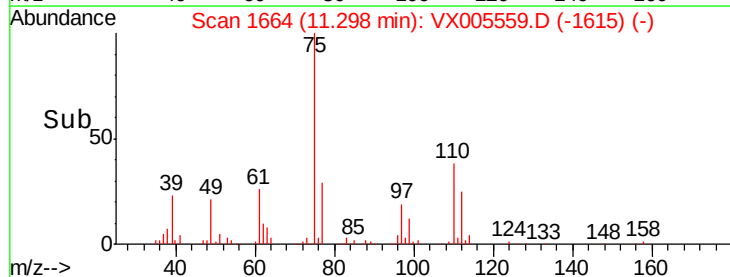
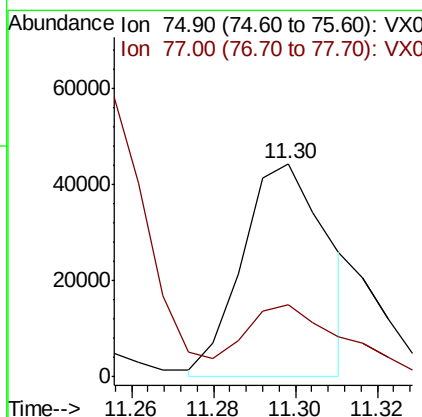
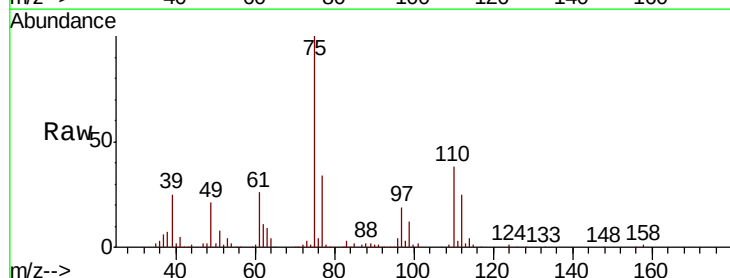
RT: 11.30 min Scan# 1664

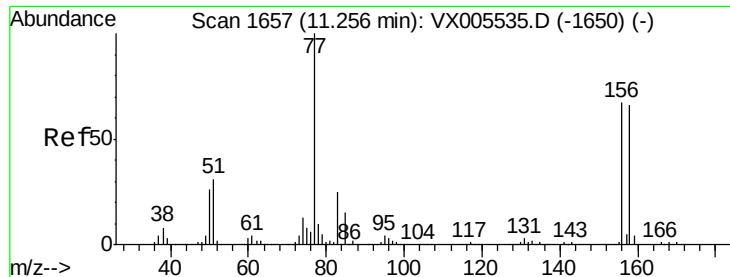
Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion:	75	Resp:	63778
Ion Ratio	Lower	Upper	
75	100		
77	39.2	20.2	60.6





#77

Bromobenzene

Concen: 19.774 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion:156 Resp: 53324

Ion Ratio Lower Upper

156 100

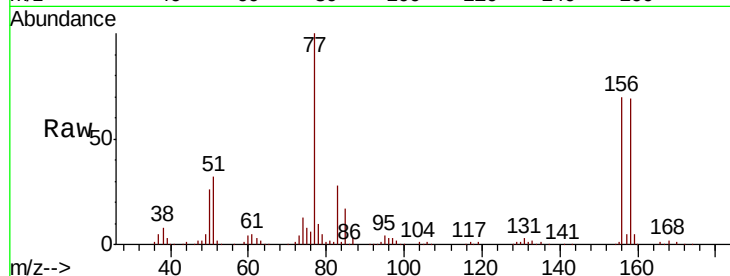
77 146.1 71.5 214.3

158 98.3 48.9 146.8

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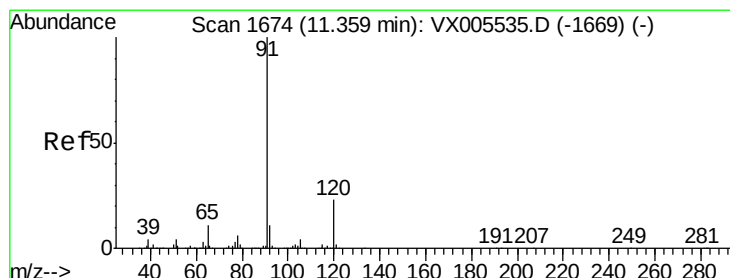
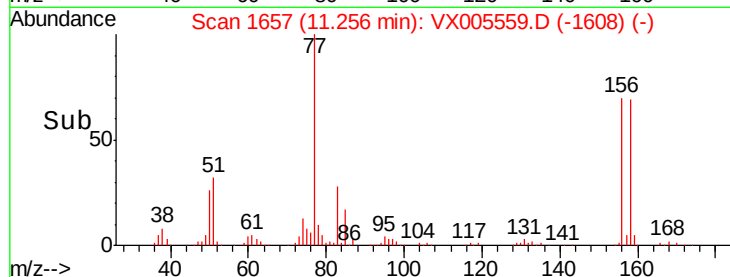
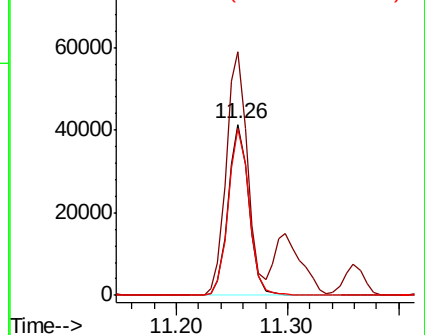
10/26/2018 11:53:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.447 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005559.D

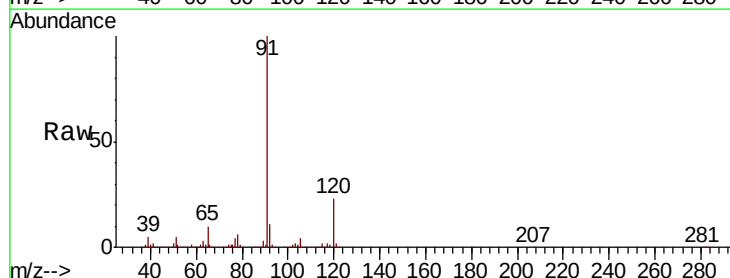
Acq: 25 Oct 2018 00:05

Tgt Ion: 91 Resp: 226241

Ion Ratio Lower Upper

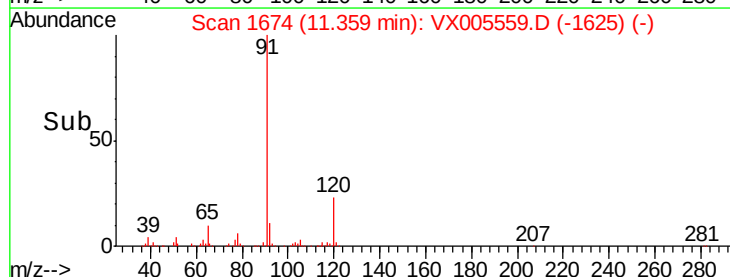
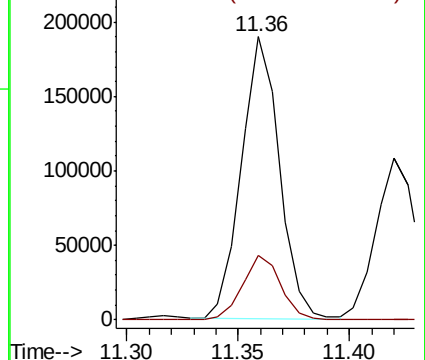
91 100

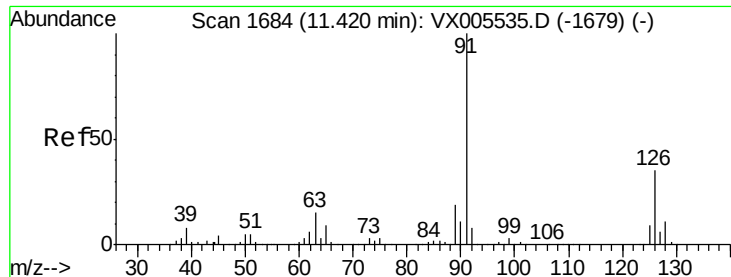
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.790 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion: 91 Resp: 135769

Ion Ratio Lower Upper

91 100

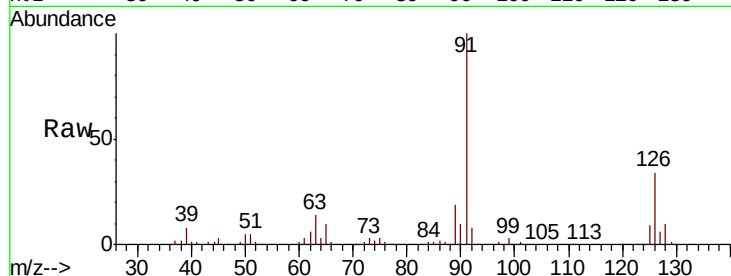
126 35.2 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

200000

150000

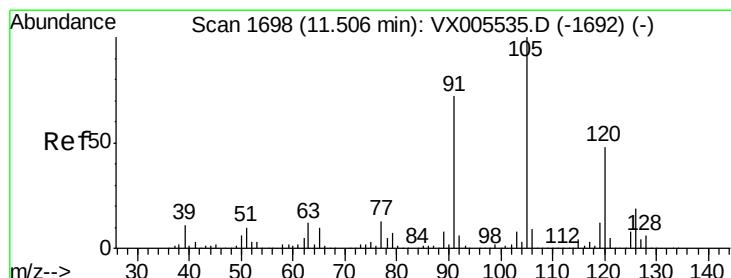
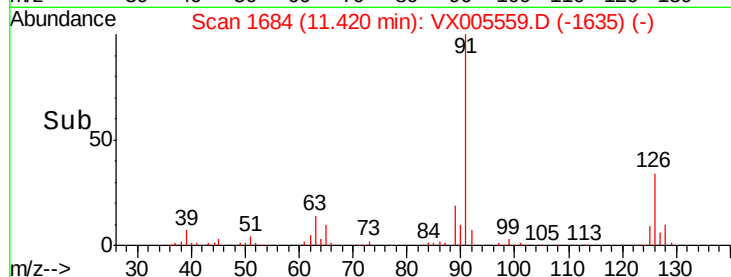
100000

50000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.173 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005559.D

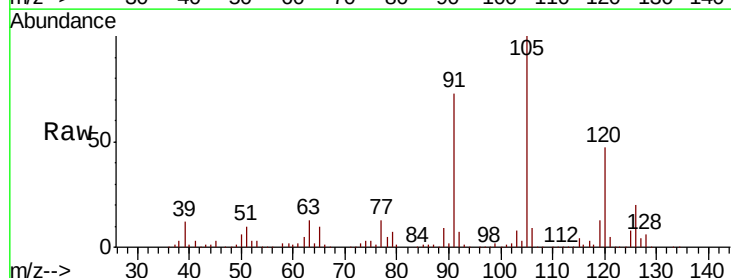
Acq: 25 Oct 2018 00:05

Tgt Ion:105 Resp: 166987

Ion Ratio Lower Upper

105 100

120 48.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

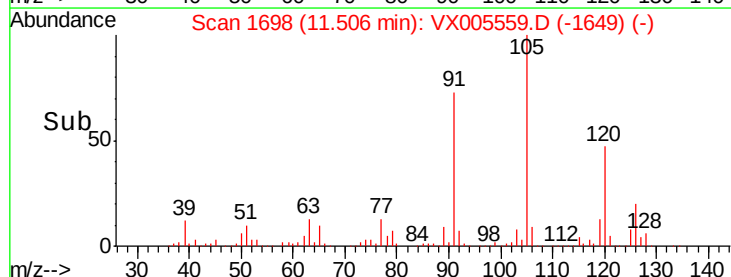
100000

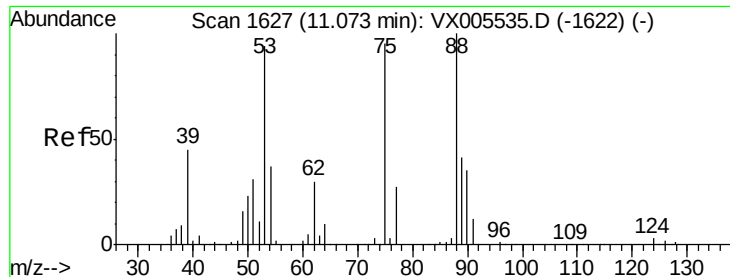
50000

0

11.50 11.60

Time-->





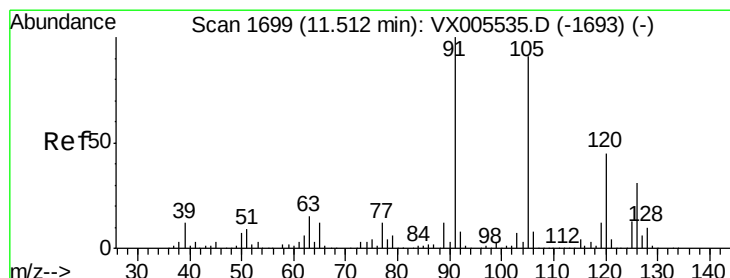
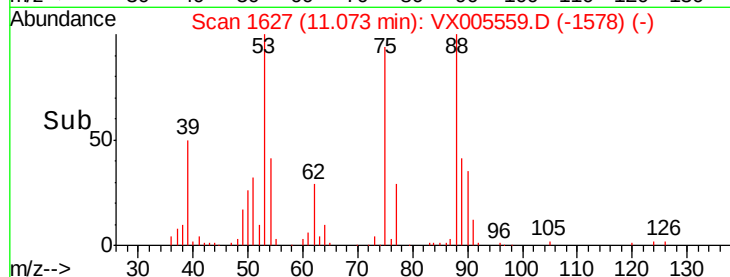
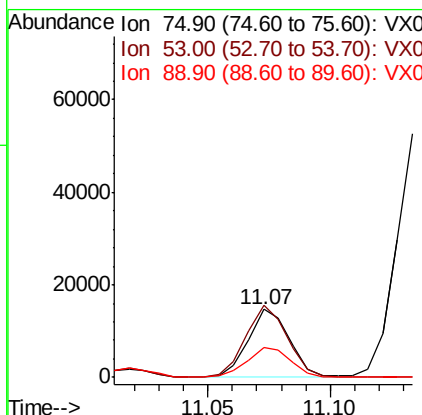
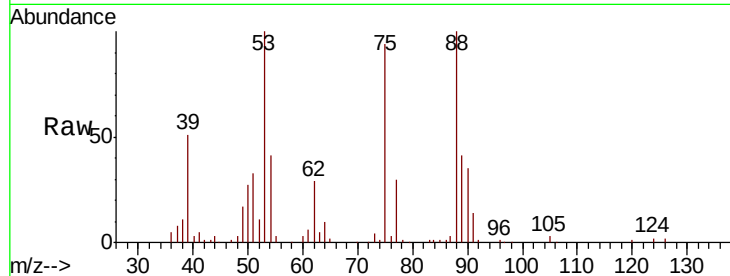
#81
trans-1,4-Dichloro-2-butene
Concen: 16.960 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	80.1	120.1
89	46.6	37.2	55.8

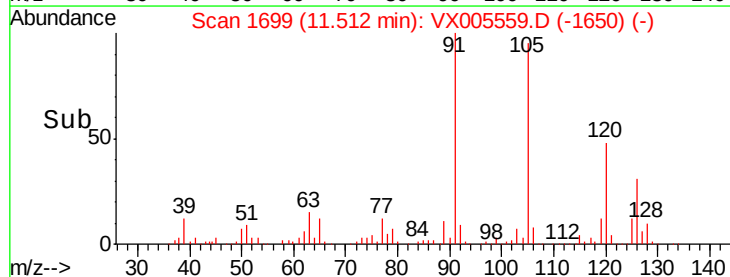
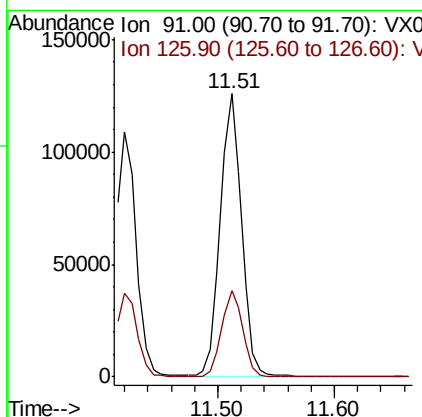
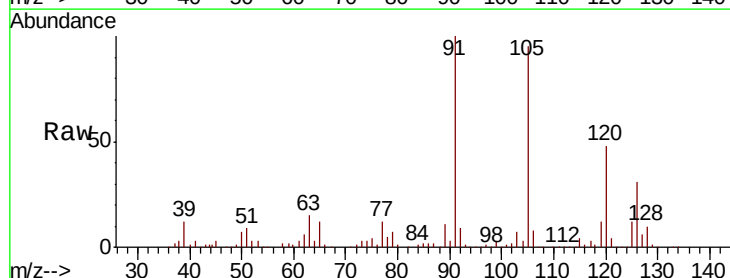
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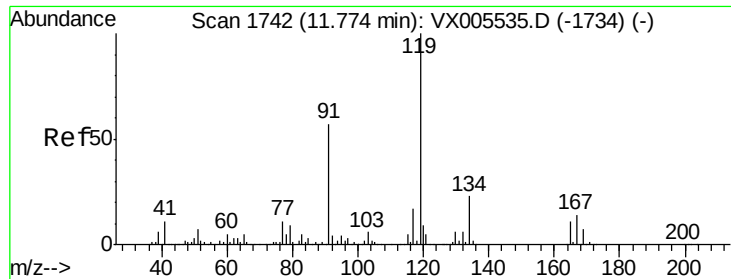
MMDadoda
10/26/2018 11:53:55 AM



#82
4-Chlorotoluene
Concen: 19.650 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





#83

tert-Butylbenzene

Concen: 19.294 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

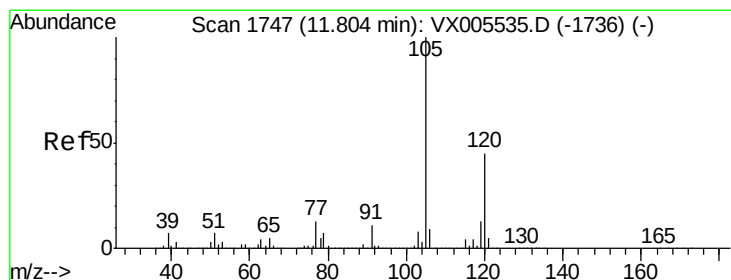
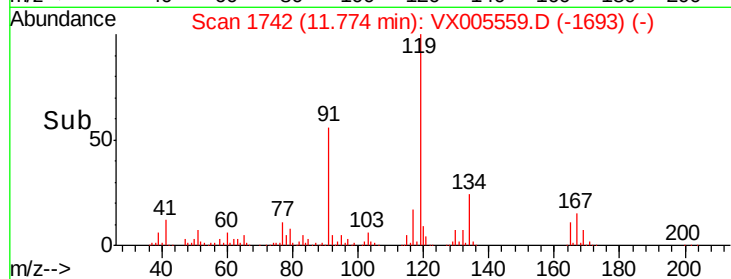
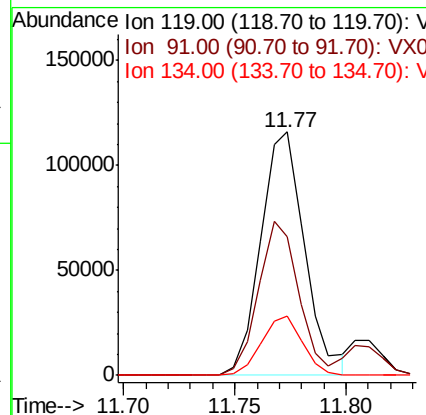
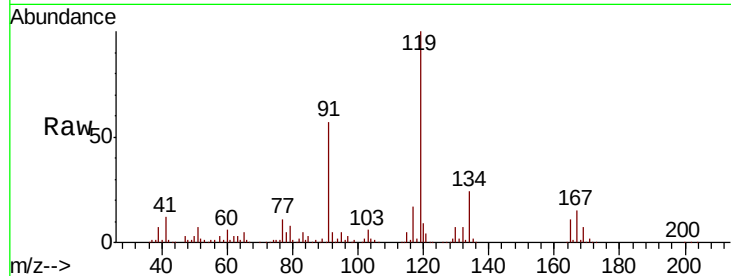
ClientSampleId :

VX1024WBS02

Tot Ion:	119	Resp:	159198
Ion Ratio	Lower	Upper	
119	100		
91	58.1	27.0	81.0
134	22.8	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 20.593 ug/l

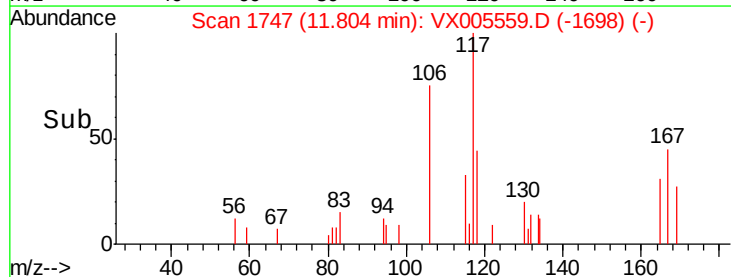
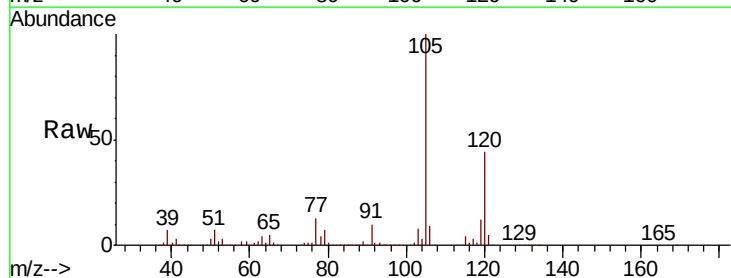
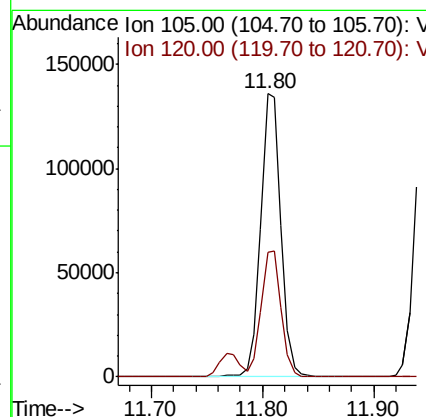
RT: 11.80 min Scan# 1747

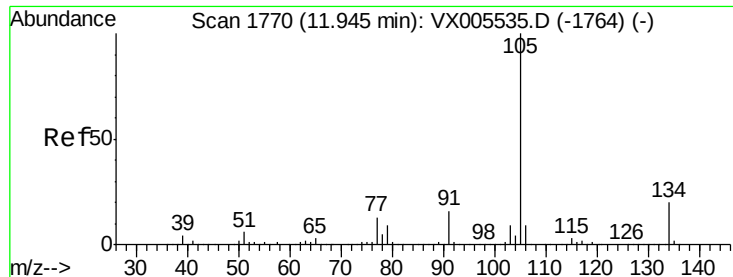
Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion:	105	Resp:	172758
Ion Ratio	Lower	Upper	
105	100		
120	43.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.941 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBS02

Tot Ion:105 Resp: 196337

Ion Ratio Lower Upper

105 100

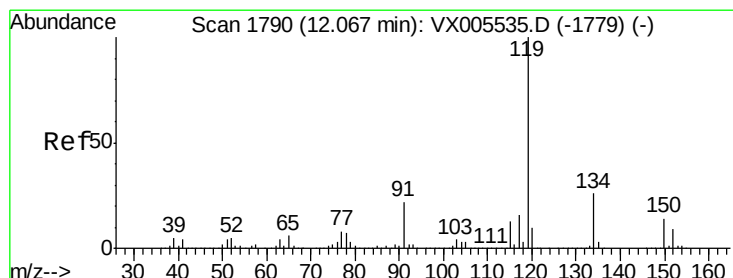
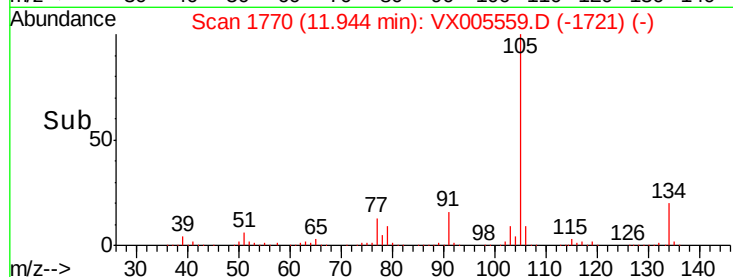
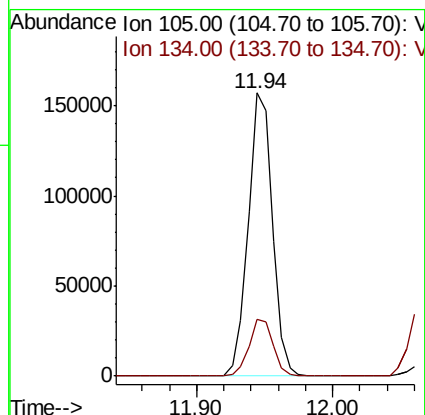
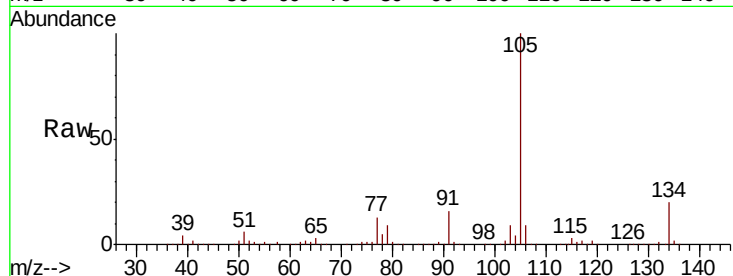
134 20.0

10.5 31.5

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#86

p-Isopropyltoluene

Concen: 19.939 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Tgt Ion:119 Resp: 175495

Ion Ratio Lower Upper

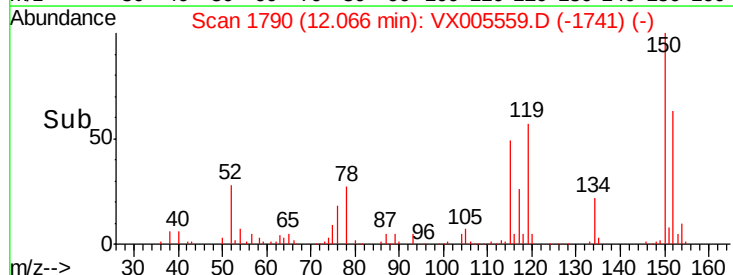
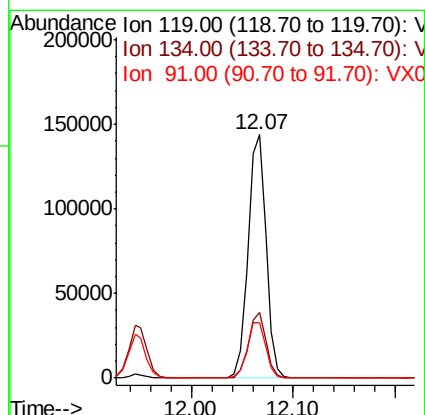
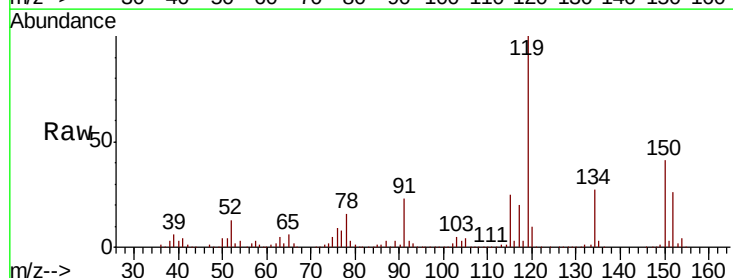
119 100

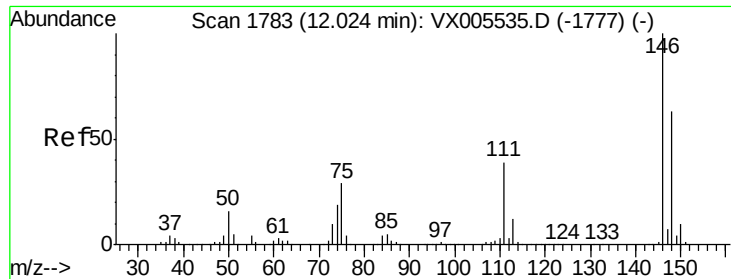
134 26.2

91 23.9

13.4 40.2

10.9 32.7





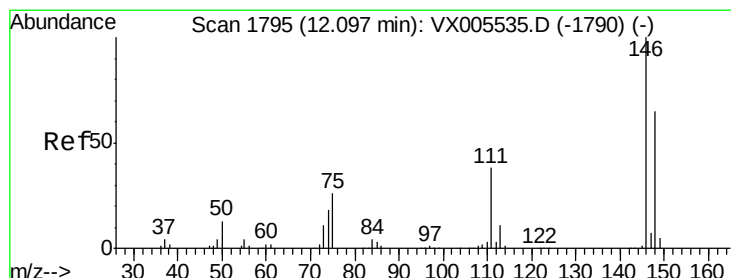
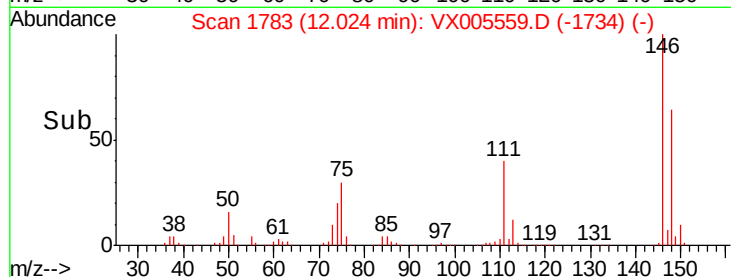
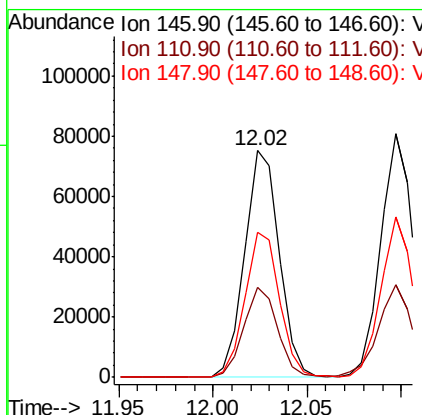
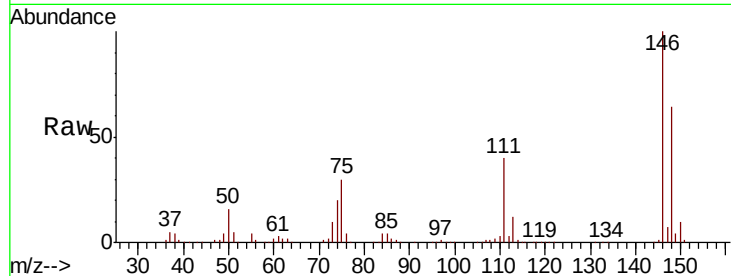
#87
 1,3-Dichlorobenzene
 Concen: 18.984 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.7	56.1
148	64.0	32.1	96.5

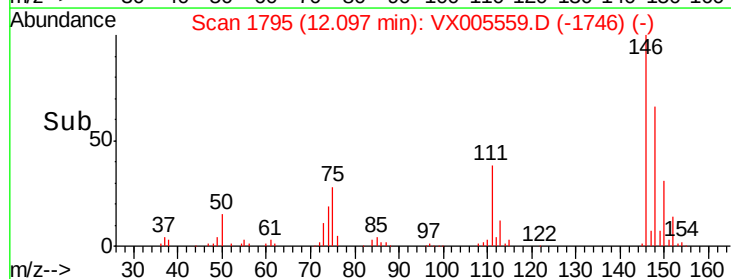
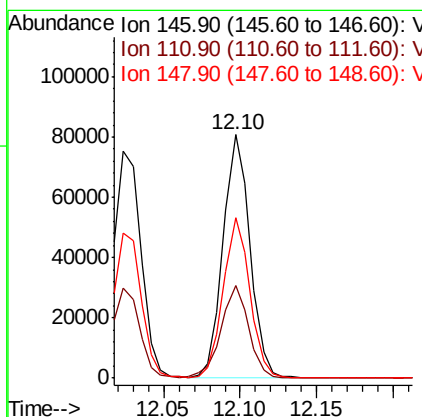
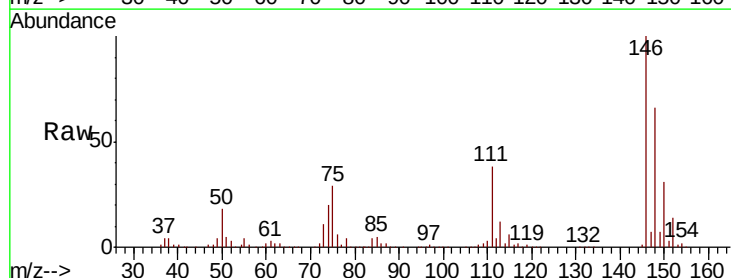
Manual Integrations
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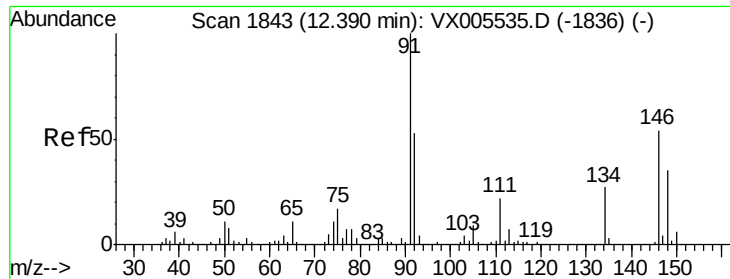
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#88
 1,4-Dichlorobenzene
 Concen: 18.612 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.1	54.1
148	65.3	32.0	96.0





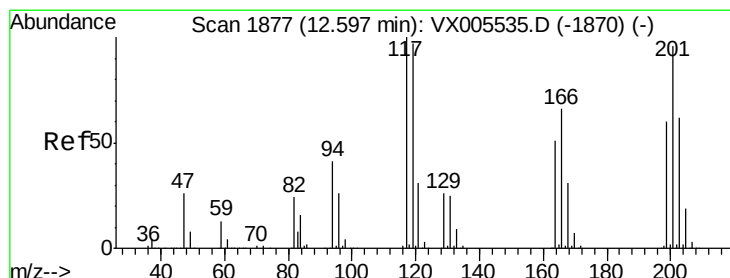
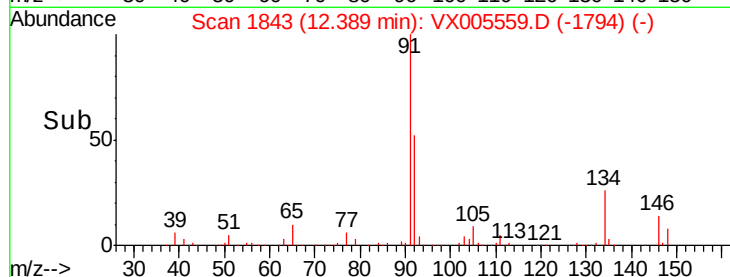
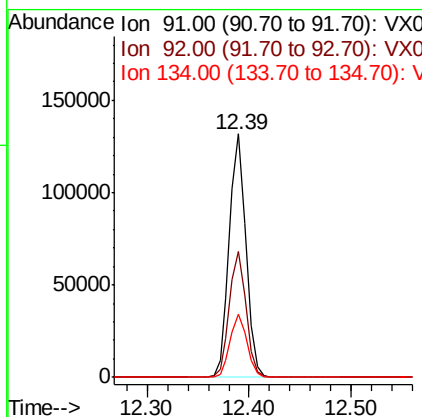
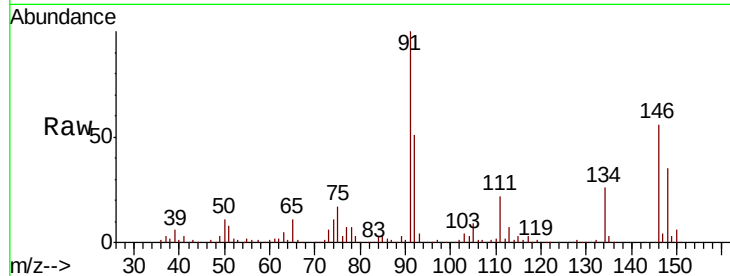
#89
n-Butylbenzene
Concen: 18.750 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	27.3	81.9
134	26.2	13.6	40.7

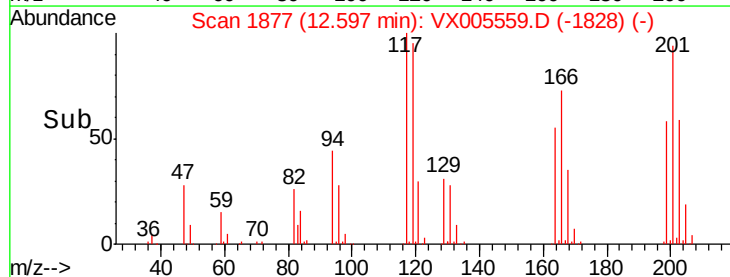
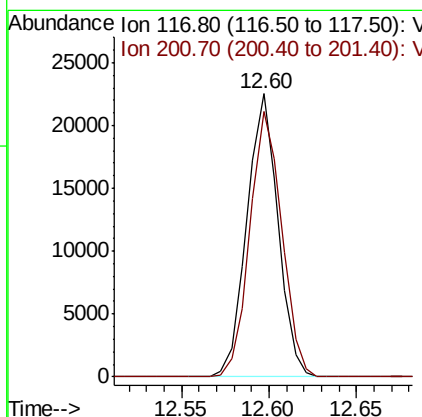
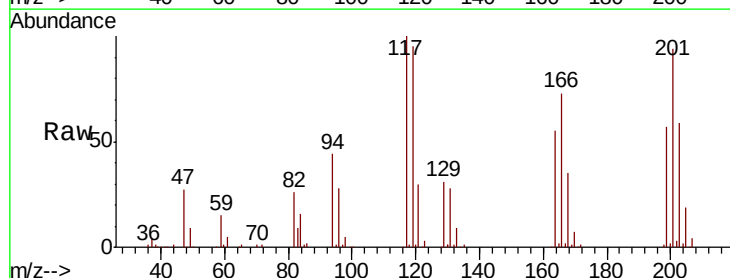
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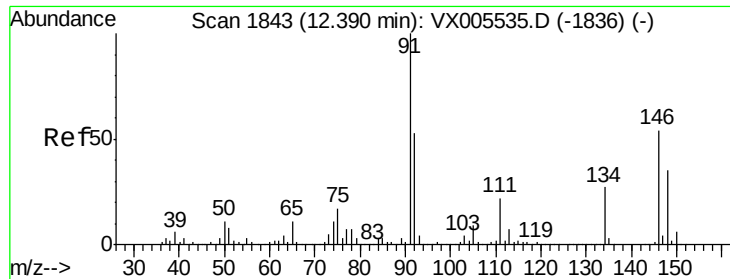
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#90
Hexachloroethane
Concen: 18.394 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 18.912 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005559.D

Acq: 25 Oct 2018 00:05

Instrument :

MSVOA_X

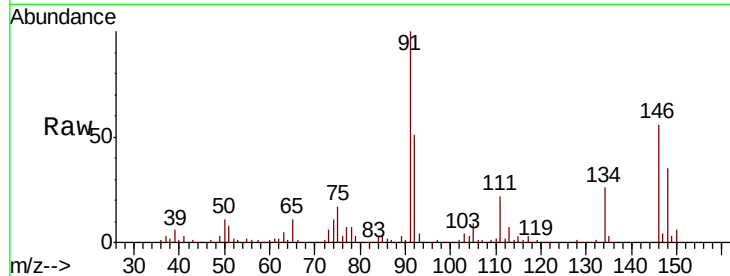
ClientSampleId :

VX1024WBS02

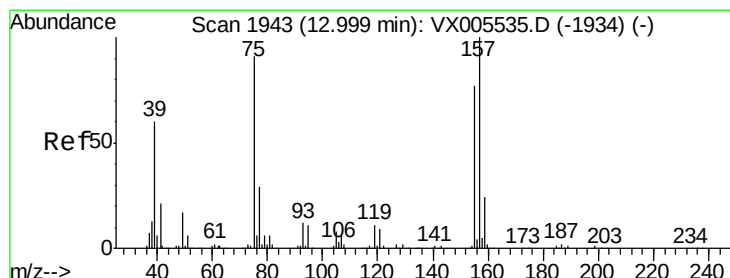
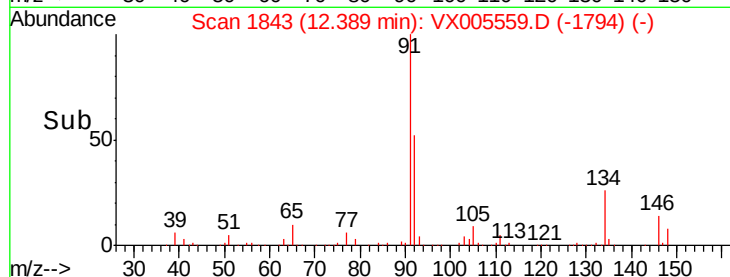
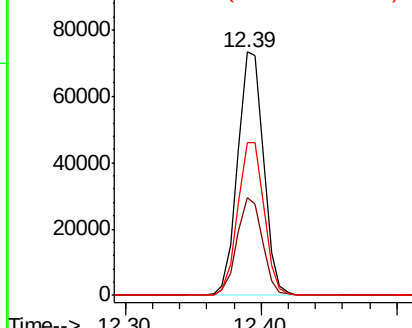
Tot Ion:	146	Resp:	97027
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.4	58.1
148	63.8	32.8	98.3

Manual Integrations
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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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.677 ug/l

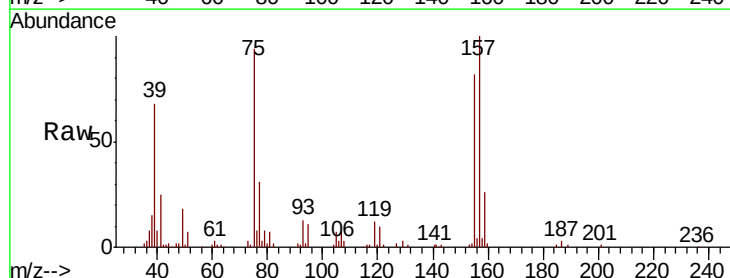
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

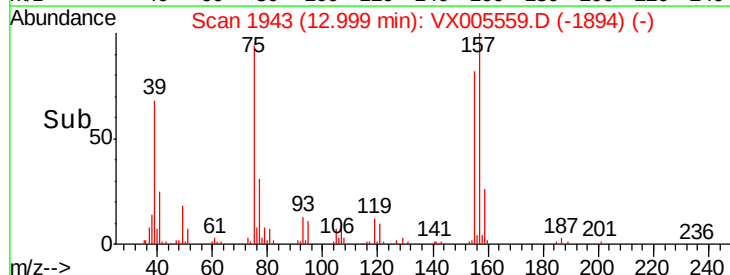
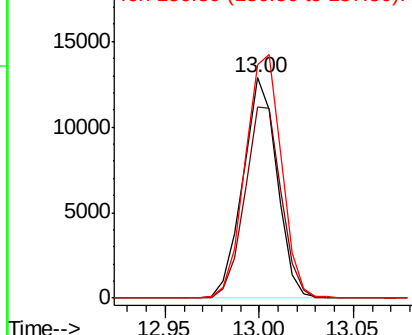
Lab File: VX005559.D

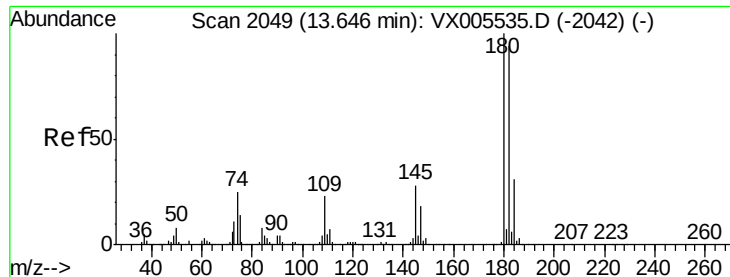
Acq: 25 Oct 2018 00:05

Tgt Ion:	75	Resp:	16121
Ion Ratio	Lower	Upper	
75	100		
155	92.1	48.0	144.2
157	117.5	61.4	184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





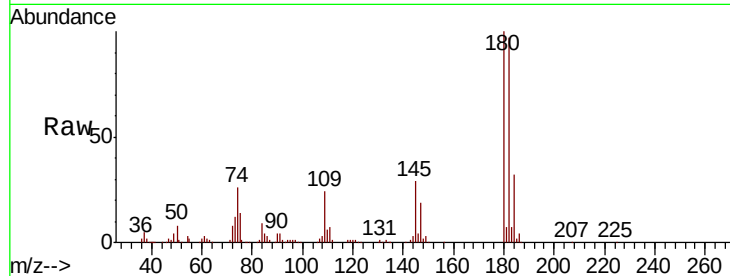
#93
 1,2,4-Trichlorobenzene
 Concen: 18.576 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS02

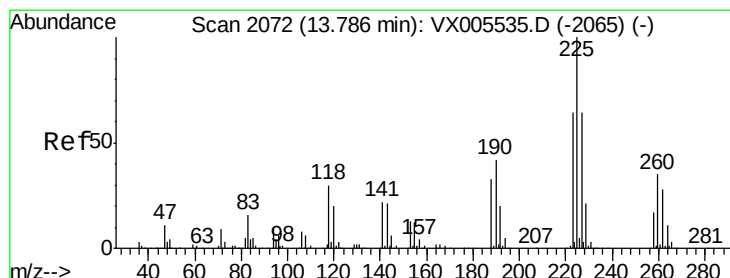
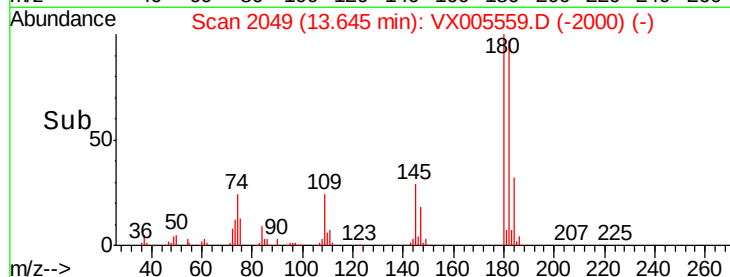
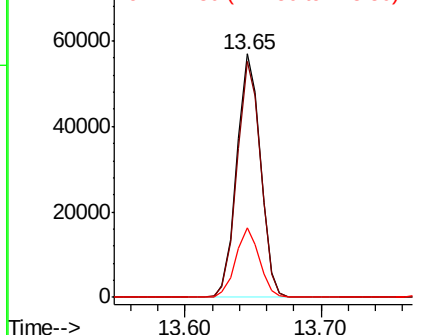
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.4	145.0
145	28.3	14.3	42.9

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:55 AM

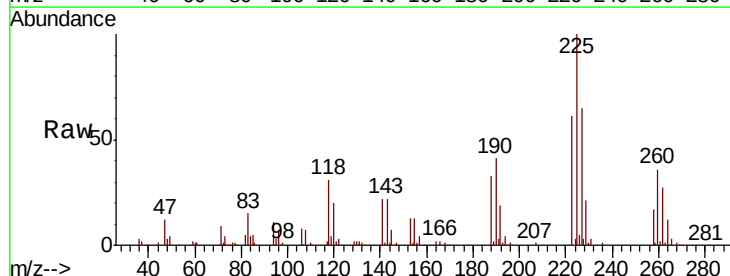


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

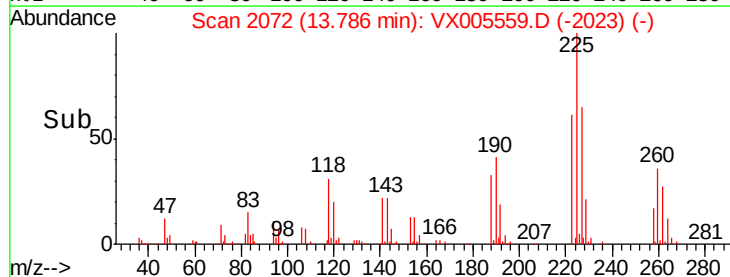
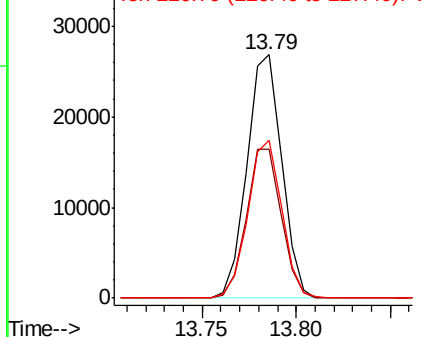


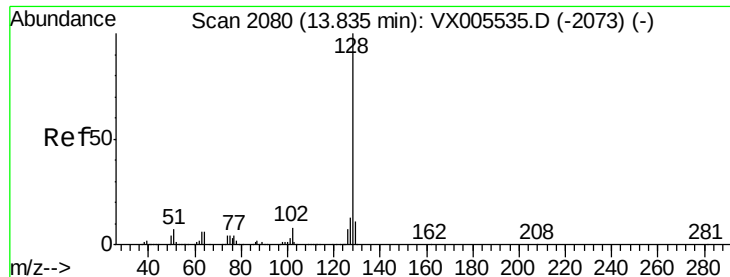
#94
 Hexachlorobutadiene
 Concen: 17.857 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005559.D
 Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.1	90.5
227	63.5	30.8	92.4



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





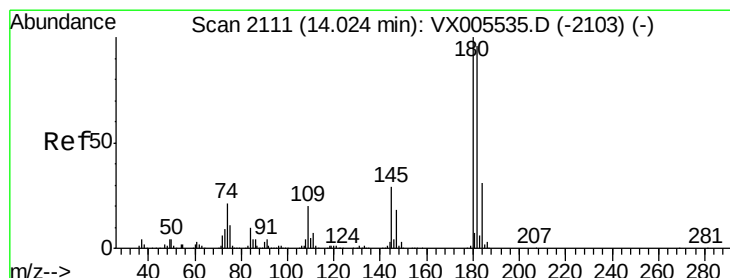
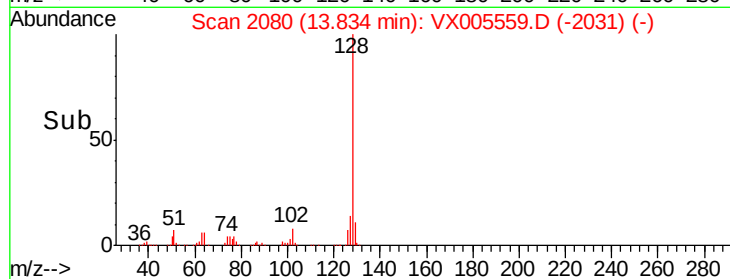
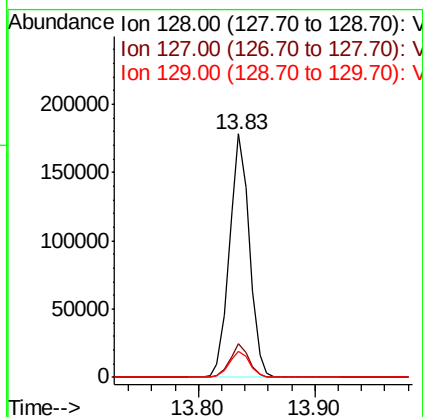
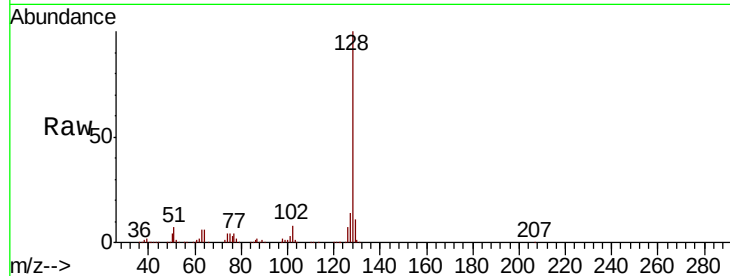
#95
Naphthalene
Concen: 19.709 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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10/26/2018 11:53:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.175 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005559.D
Acq: 25 Oct 2018 00:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.5	145.6
145	29.8	14.9	44.9

