

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102418\
 Data File : VX005555.D
 Acq On : 24 Oct 2018 21:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:45 AM

Quant Time: Oct 25 05:40:08 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	225726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315299	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168887	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	128091	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
35) Dibromofluoromethane	5.49	113	103664	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	8.71	98	384289	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	145266	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	75857	34.047	ug/l	98
3) Chloromethane	1.32	50	108957	38.401	ug/l	100
4) Vinyl Chloride	1.40	62	114173	40.923	ug/l	98
5) Bromomethane	1.64	94	75984	43.769	ug/l	99
6) Chloroethane	1.71	64	78305	43.935	ug/l #	87
7) Trichlorofluoromethane	1.92	101	169411	43.700	ug/l	94
8) Diethyl Ether	2.19	74	69115	44.674	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99736	44.840	ug/l	99
10) Methyl Iodide	2.51	142	117123	50.396	ug/l	96
11) Tert butyl alcohol	3.07	59	177641	239.578	ug/l	99
12) 1,1-Dichloroethene	2.37	96	93396	44.078	ug/l	93
13) Acrolein	2.29	56	90944	240.445	ug/l	96
14) Allyl chloride	2.73	41	213522	45.152	ug/l	96
15) Acrylonitrile	3.15	53	375622	225.915	ug/l	97
16) Acetone	2.45	43	342980	235.563	ug/l	94
17) Carbon Disulfide	2.57	76	279047	43.202	ug/l	99
18) Methyl Acetate	2.78	43	179911	50.019	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	355952	47.094	ug/l	98
20) Methylene Chloride	2.85	84	107616	44.131	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	103581	44.772	ug/l	94
22) Diisopropyl ether	3.87	45	388410	47.034	ug/l #	91
23) Vinyl Acetate	3.82	43	1737737	238.931	ug/l	96
24) 1,1-Dichloroethane	3.70	63	209063	46.564	ug/l	98
25) 2-Butanone	4.70	43	528315	238.281	ug/l	94
26) 2,2-Dichloropropane	4.58	77	138413	39.931	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	114965	46.094	ug/l	91
28) Bromochloromethane	5.02	49	99320	45.737	ug/l	92
29) Tetrahydrofuran	5.15	42	347874	241.093	ug/l	94
30) Chloroform	5.21	83	194712	46.363	ug/l	95
31) Cyclohexane	5.57	56	173402	46.679	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	167735	45.252	ug/l	99
36) 1,1-Dichloropropene	5.80	75	145368	47.508	ug/l	100
37) Ethyl Acetate	4.86	43	191409	49.021	ug/l	98
38) Carbon Tetrachloride	5.78	117	148582	46.104	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	164276	48.620	ug/l	95
40) Benzene	6.14	78	435602	49.662	ug/l	100
41) Methacrylonitrile	5.06	41	106232	48.842	ug/l	94
42) 1,2-Dichloroethane	6.20	62	156487	46.963	ug/l	96
43) Isopropyl Acetate	6.46	43	282899	48.350	ug/l	95
44) Trichloroethene	7.21	130	114556	47.941	ug/l	93
45) 1,2-Dichloropropane	7.52	63	115097	48.807	ug/l	100
46) Dibromomethane	7.66	93	73605	48.327	ug/l	98
47) Bromodichloromethane	7.90	83	145965	49.378	ug/l	99
48) Methyl methacrylate	7.77	41	147760	51.838	ug/l	93
49) 1,4-Dioxane	7.76	88	64009	1027.569	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	992322	252.351	ug/l	93
52) Toluene	8.79	92	266555	50.003	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	161309	50.491	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	173040	50.307	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	108865	48.438	ug/l	96
56) Ethyl methacrylate	9.18	69	174465	52.043	ug/l	92
57) 1,3-Dichloropropane	9.37	76	185338	48.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	478932	255.797	ug/l	93
59) 2-Hexanone	9.50	43	793480	255.926	ug/l	92
60) Dibromochloromethane	9.59	129	119177	50.824	ug/l	100
61) 1,2-Dibromoethane	9.67	107	115618	49.725	ug/l	100
64) Tetrachloroethene	9.34	164	116532	47.107	ug/l	98
65) Chlorobenzene	10.14	112	301176	47.462	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	110409	47.718	ug/l	99
67) Ethyl Benzene	10.25	91	521129	49.915	ug/l	96
68) m/p-Xylenes	10.36	106	401913	99.224	ug/l	93
69) o-Xylene	10.70	106	193405	50.751	ug/l	95
70) Styrene	10.71	104	326679	51.208	ug/l	96
71) Bromoform	10.86	173	99875	48.373	ug/l	99
73) Isopropylbenzene	11.02	105	534744	51.797	ug/l	99
74) N-amyl acetate	10.90	43	263477	51.506	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	181497	47.653	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	171413m	49.829	ug/l	
77) Bromobenzene	11.26	156	139814	48.595	ug/l	97
78) n-propylbenzene	11.36	91	616119	52.192	ug/l	99
79) 2-Chlorotoluene	11.42	91	361027	49.325	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	458058	51.866	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	52486	47.927	ug/l	100
82) 4-Chlorotoluene	11.51	91	433970	50.282	ug/l	99
83) tert-Butylbenzene	11.77	119	449603	51.072	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	469800	52.488	ug/l	97
85) sec-Butylbenzene	11.94	105	542394	51.635	ug/l	98
86) p-Isopropyltoluene	12.07	119	489090	52.084	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	262065	48.438	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	264061	46.662	ug/l	98
89) n-Butylbenzene	12.39	91	433547	51.142	ug/l	97
90) Hexachloroethane	12.60	117	80550	49.735	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	263866	48.205	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45067	48.937	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	199086	50.173	ug/l	98
94) Hexachlorobutadiene	13.79	225	94497	45.955	ug/l	96
95) Naphthalene	13.83	128	617516	53.538	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	202312	50.297	ug/l	99

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

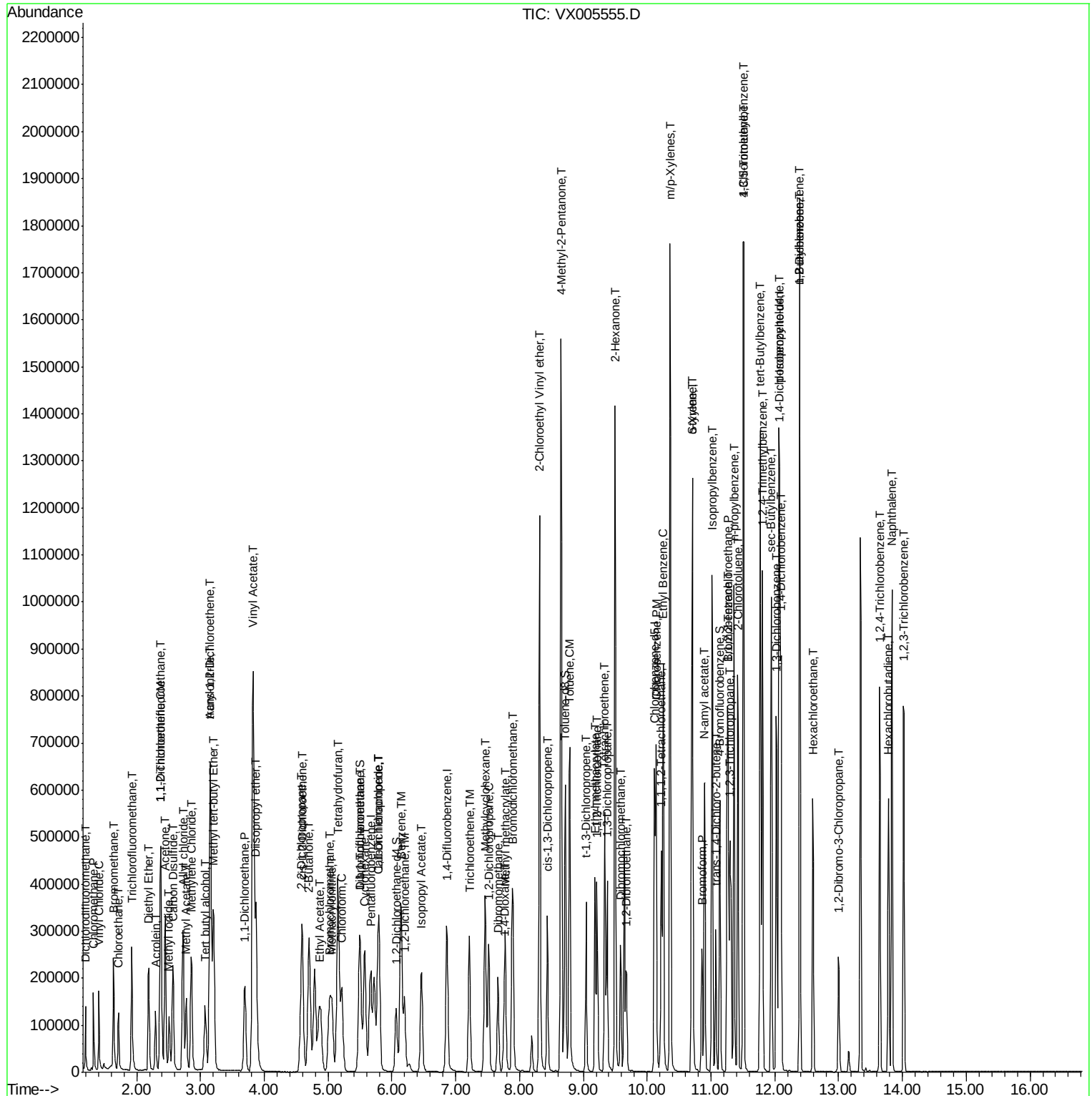
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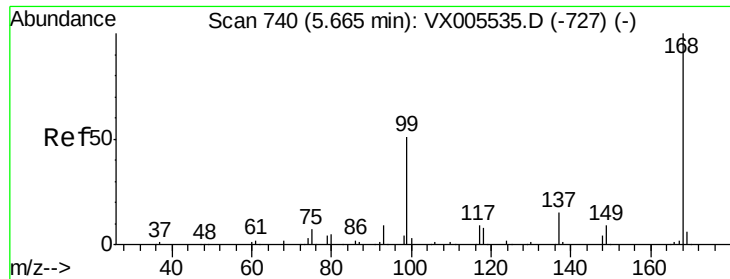
Instrument :
 MSVOA_X
 ClientSampleID :
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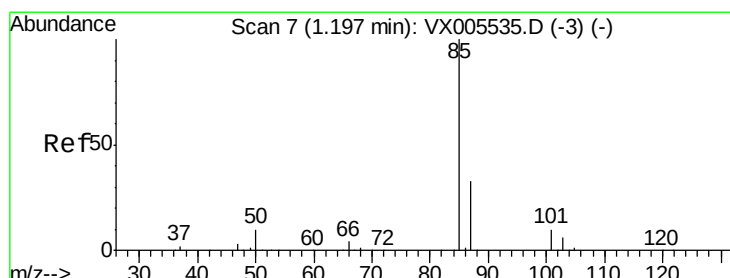
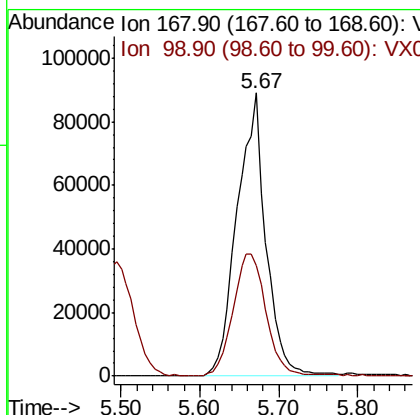
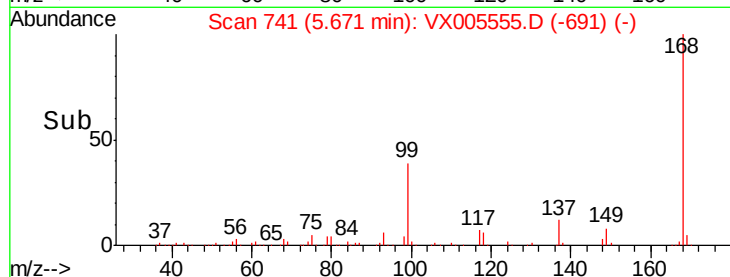
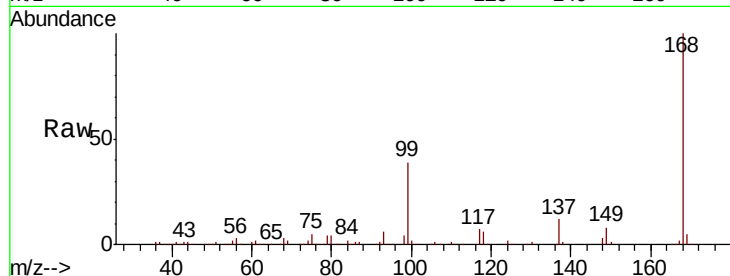
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	39.1	39.9	59.9#

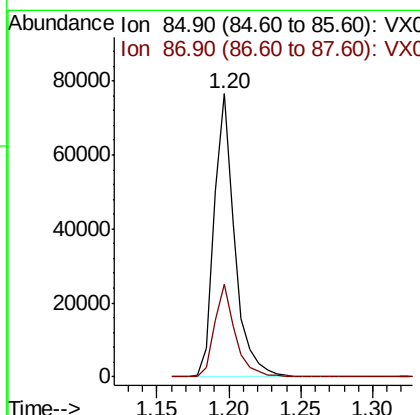
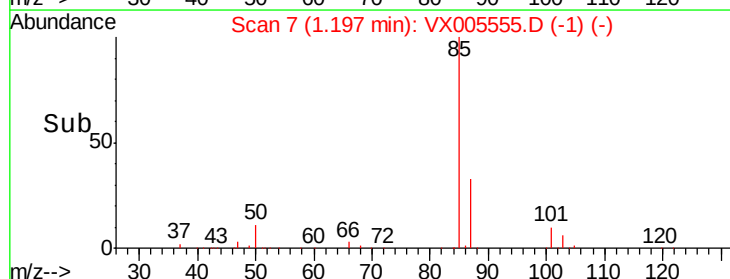
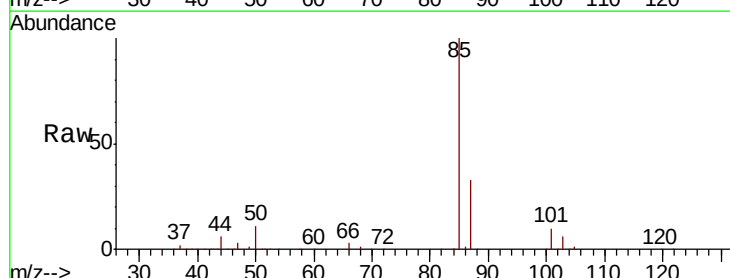
Manual Integrations
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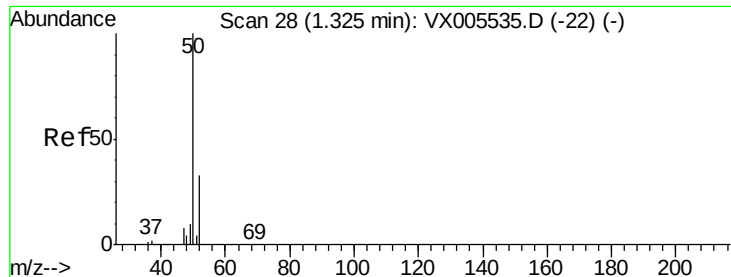
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#2
Dichlorodifluoromethane
Concen: 34.047 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	17.0	50.9





#3

Chloromethane

Concen: 38.401 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108957

Ion Ratio Lower Upper

50 100

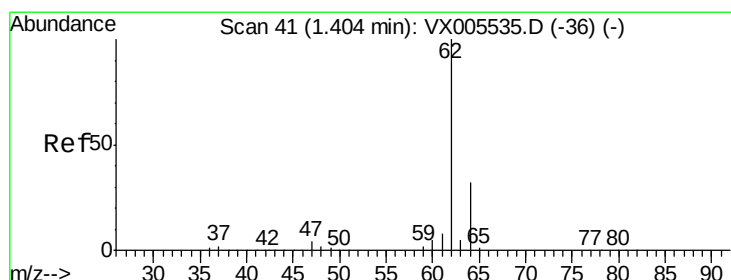
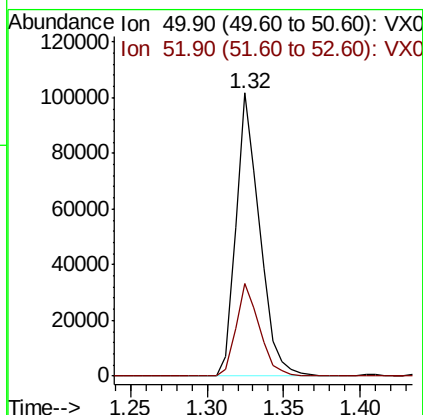
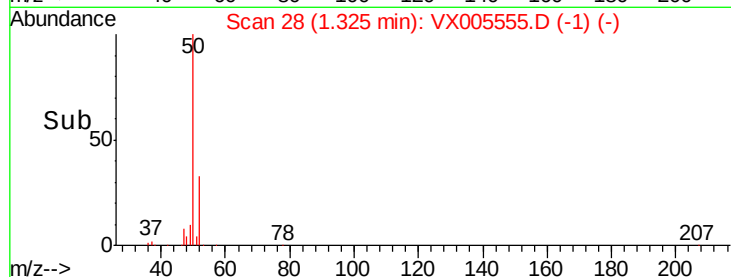
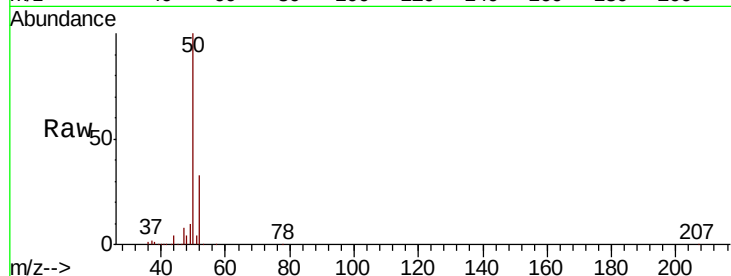
52 32.6 26.2 39.2

Manual Integrations

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10/26/2018 11:53:45 AM



#4

Vinyl Chloride

Concen: 40.923 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005555.D

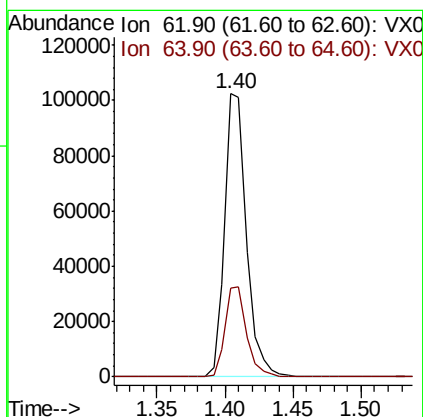
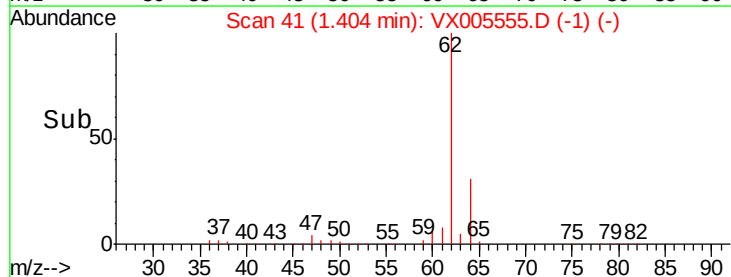
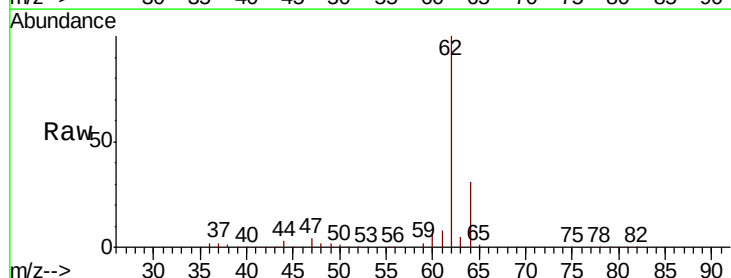
Acq: 24 Oct 2018 21:25

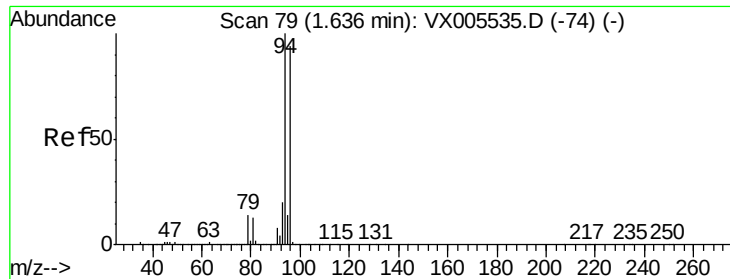
Tgt Ion: 62 Resp: 114173

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8





#5

Bromomethane

Concen: 43.769 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75984

Ion Ratio Lower Upper

94 100

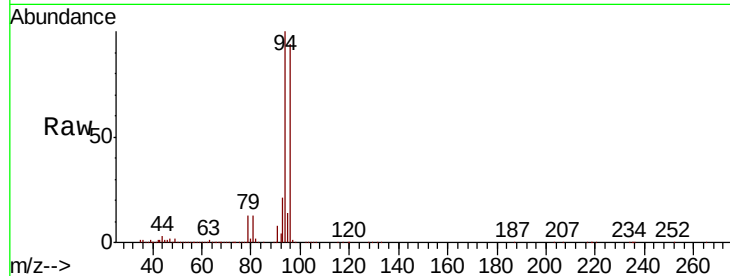
96 93.7 74.5 111.7

Manual Integrations

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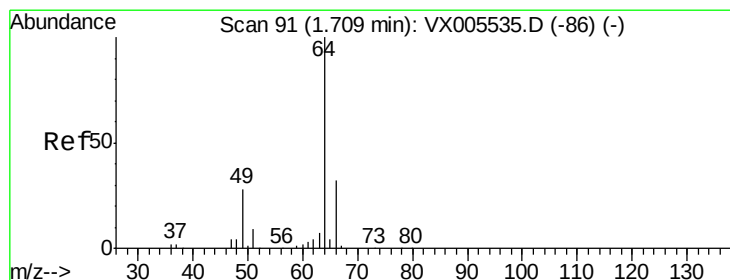
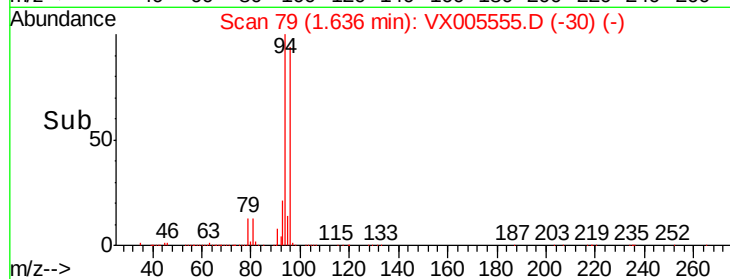
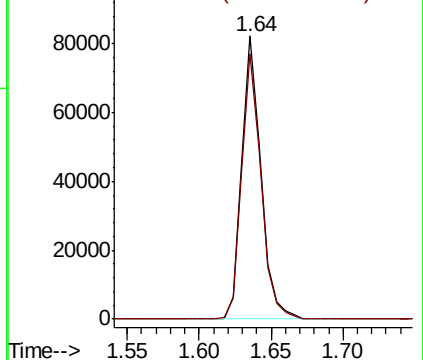
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10/26/2018 11:53:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.935 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005555.D

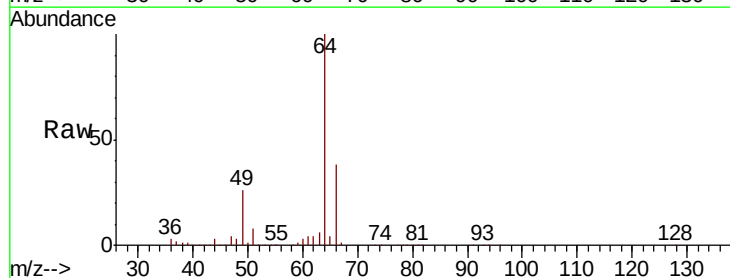
Acq: 24 Oct 2018 21:25

Tgt Ion: 64 Resp: 78305

Ion Ratio Lower Upper

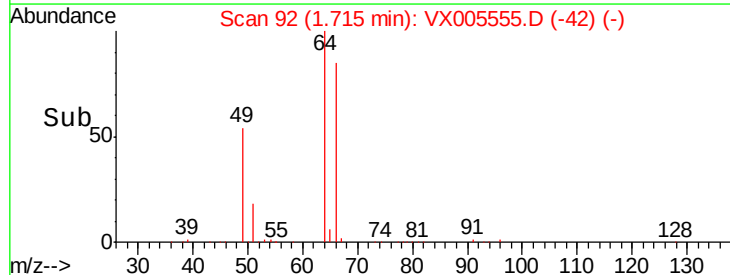
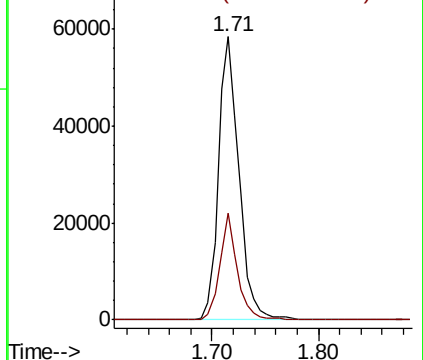
64 100

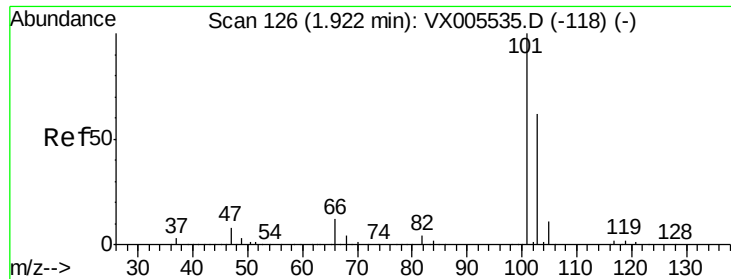
66 37.6 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

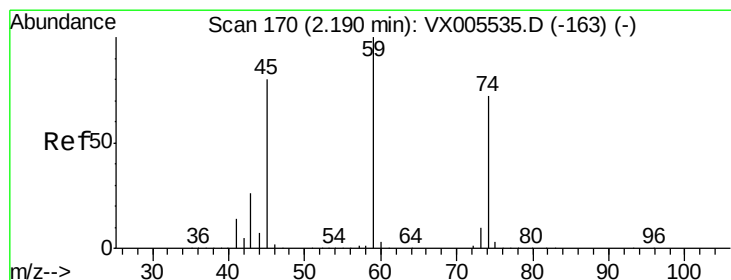
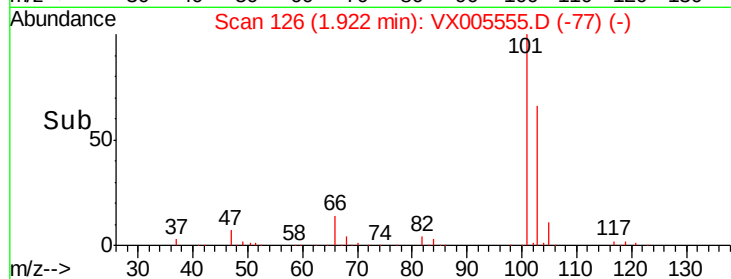
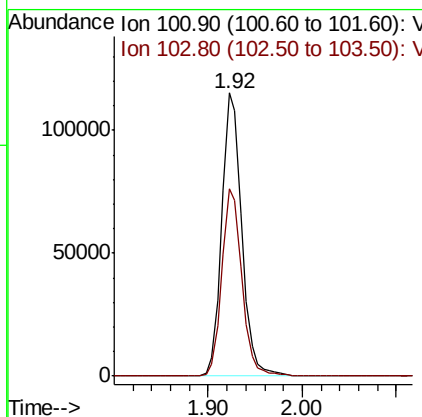
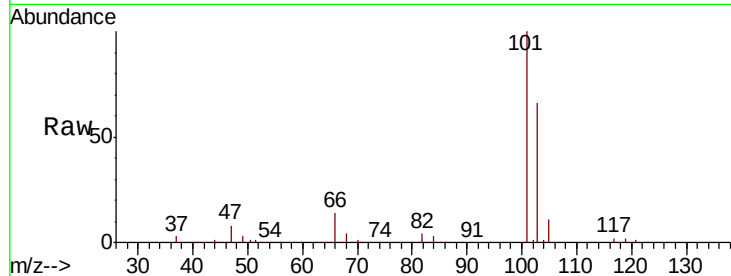
Trichlorofluoromethane
Concen: 43.700 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	48.9	73.3

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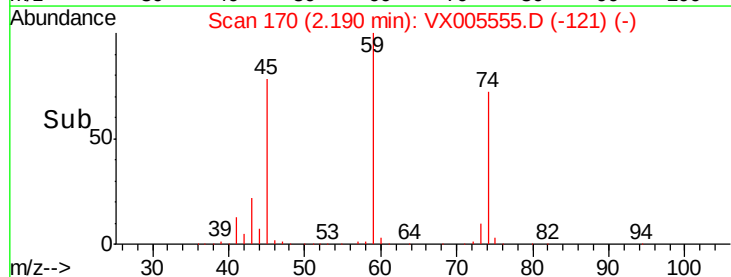
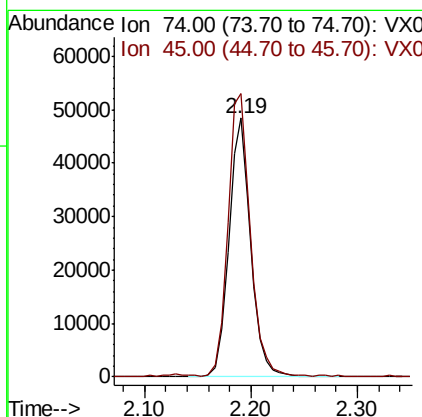
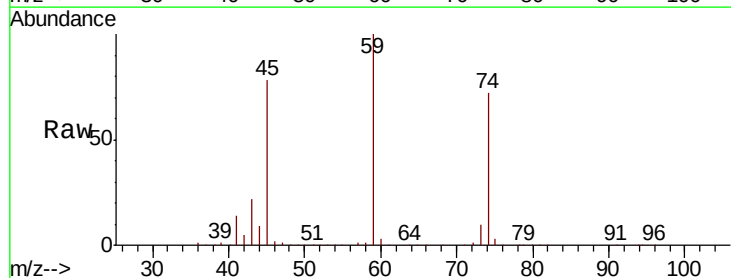
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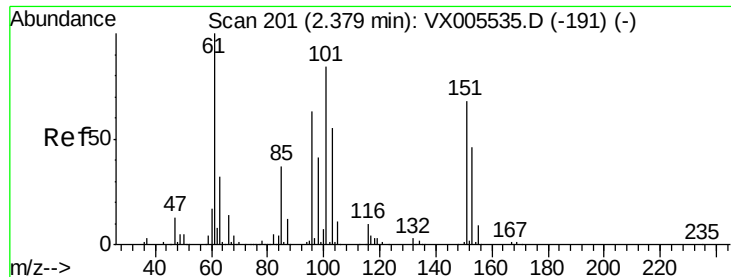


#8

Diethyl Ether
Concen: 44.674 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.0	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.840 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

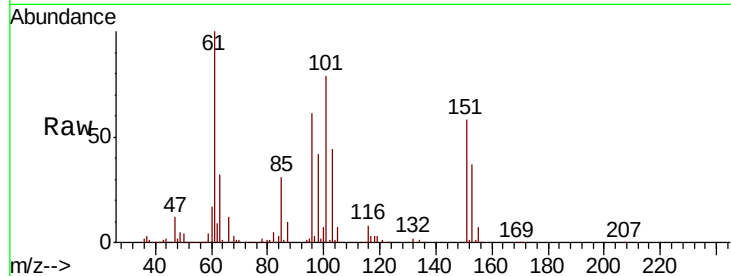
ClientSampleId :

VSTDCCC050EC

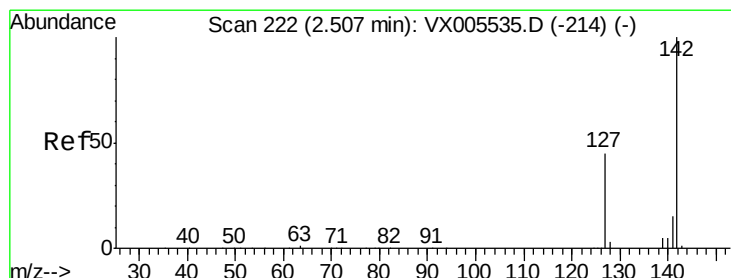
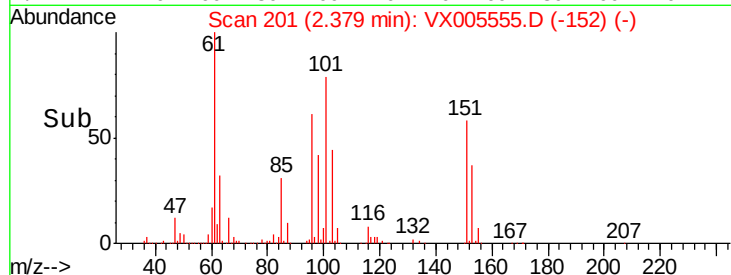
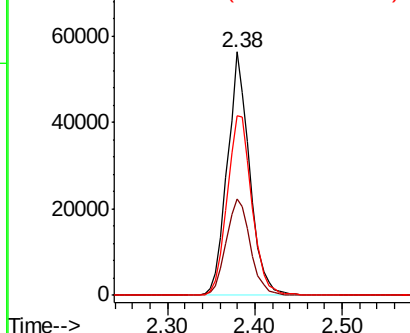
Tot Ion:	101	Resp:	99736
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	81.9	65.0	97.6

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



#10

Methyl Iodide

Concen: 50.396 ug/l

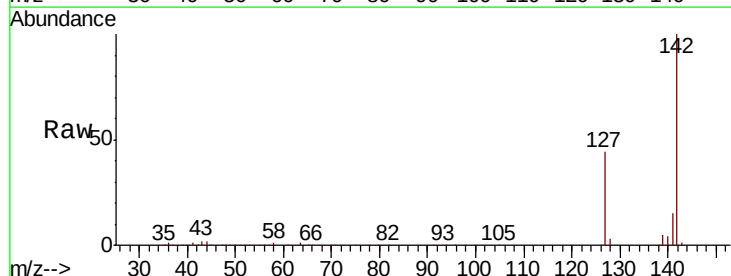
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

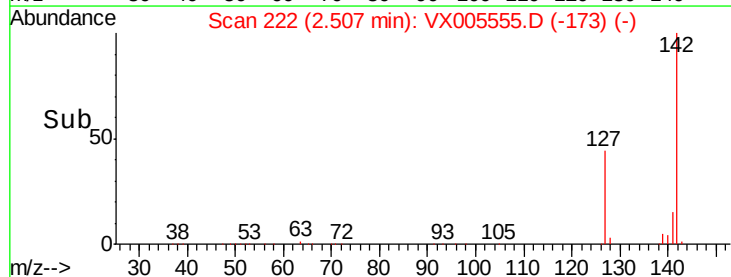
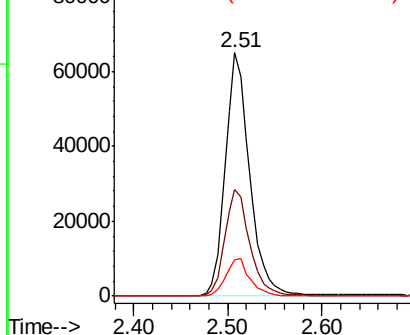
Lab File: VX005555.D

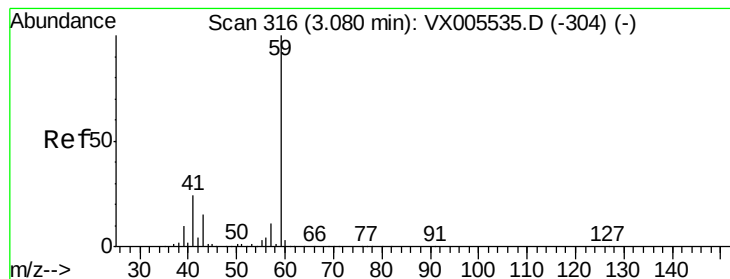
Acq: 24 Oct 2018 21:25

Tgt Ion:	142	Resp:	117123
Ion Ratio	Lower	Upper	
142	100		
127	44.8	33.8	50.6
141	15.1	11.4	17.0



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





#11

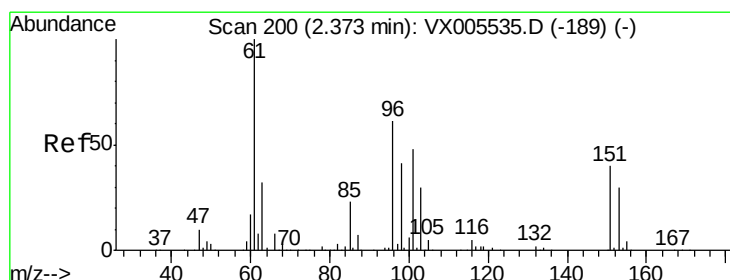
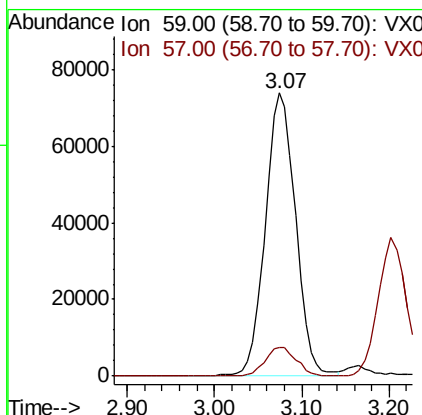
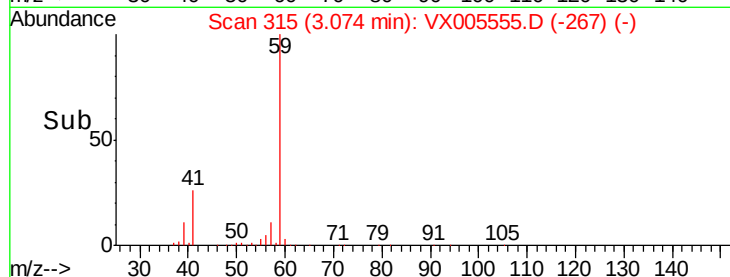
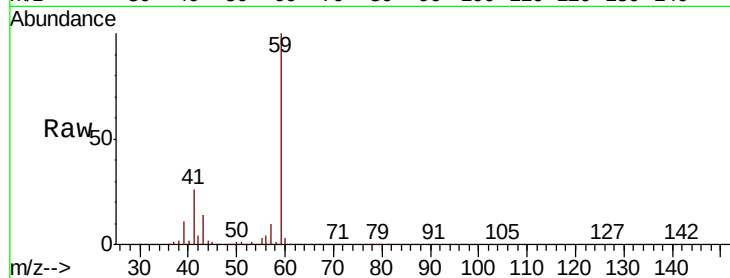
Tert butyl alcohol
Concen: 239.578 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.6	Resp	177641	Lower	Upper
59	100								
57		10.6						8.2	12.4

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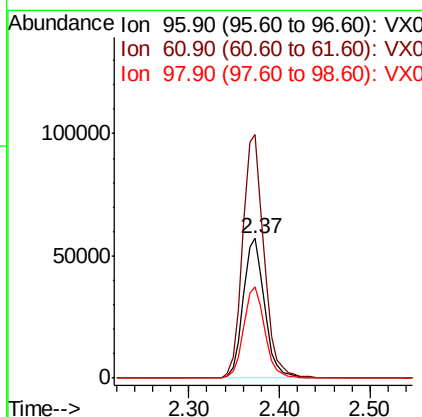
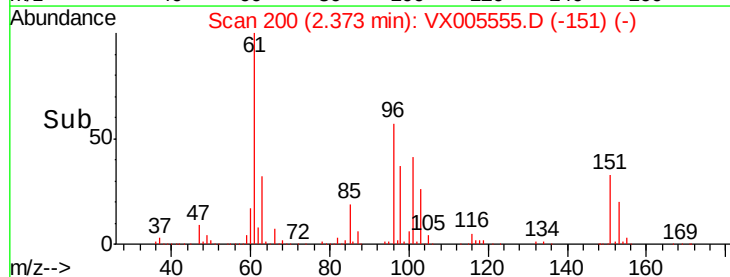
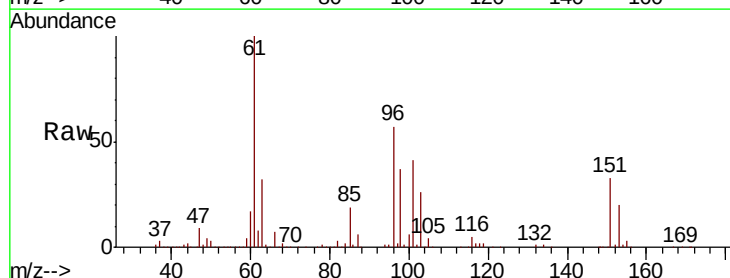
MMDadoda
10/26/2018 11:53:45 AM

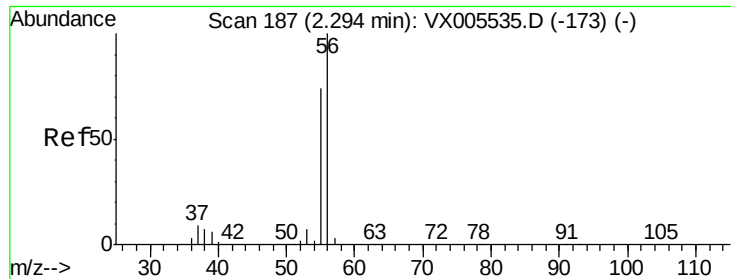


#12

1,1-Dichloroethene
Concen: 44.078 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	96	61	98	Ratio	100	174.3	65.2	Resp	93396	Lower	Upper
96	100										
61		174.3								128.8	193.2
98		65.2								52.2	78.2





#13

Acrolein

Concen: 240.445 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90944

Ion Ratio Lower Upper

56 100

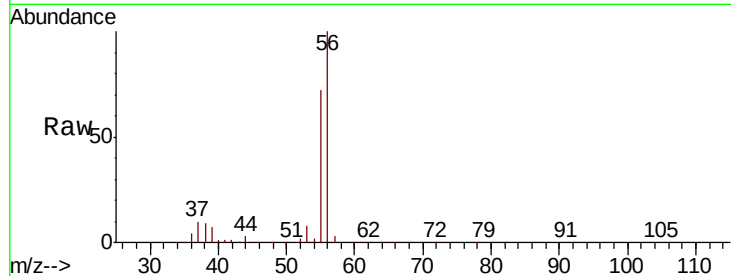
55 71.4 54.7 82.1

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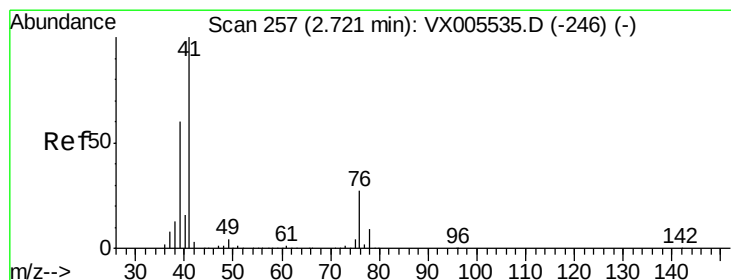
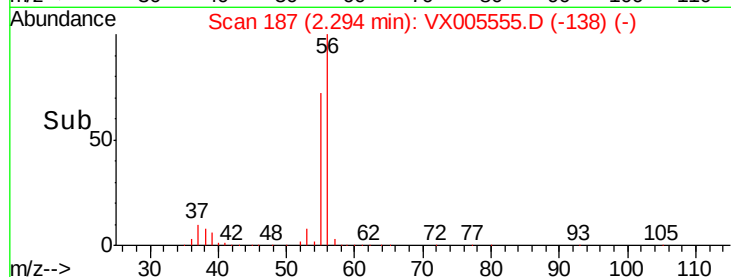
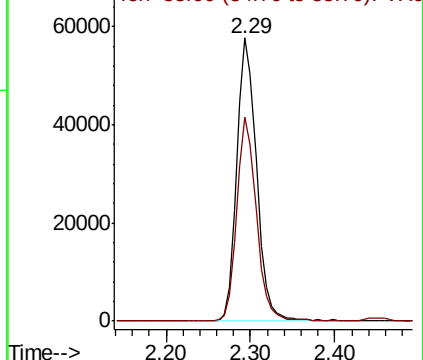
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.152 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

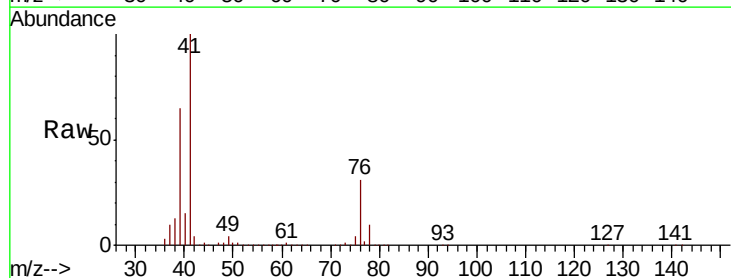
Tgt Ion: 41 Resp: 213522

Ion Ratio Lower Upper

41 100

39 60.1 48.9 73.3

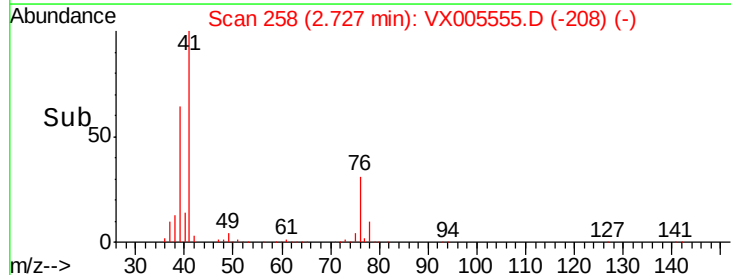
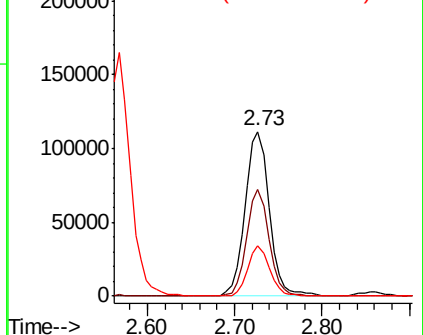
76 27.7 26.7 40.1

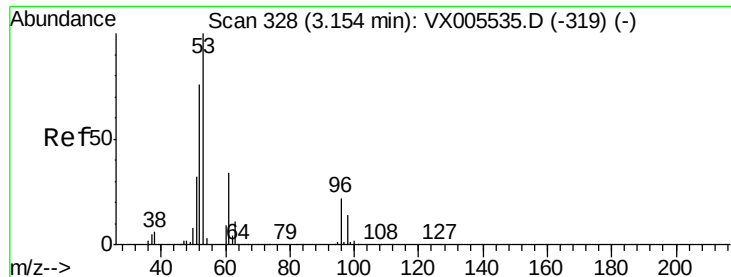


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 225.915 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

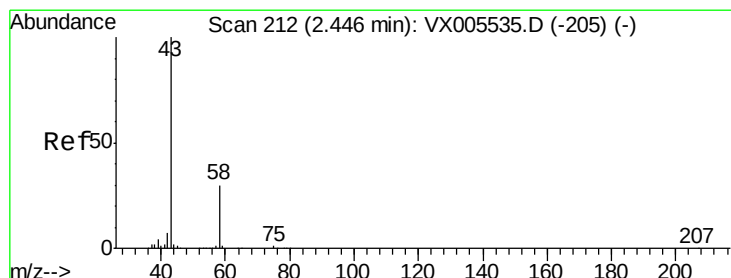
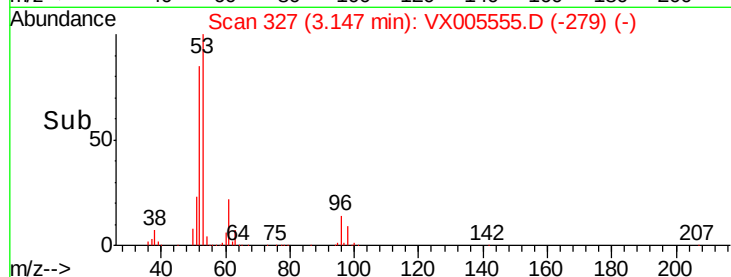
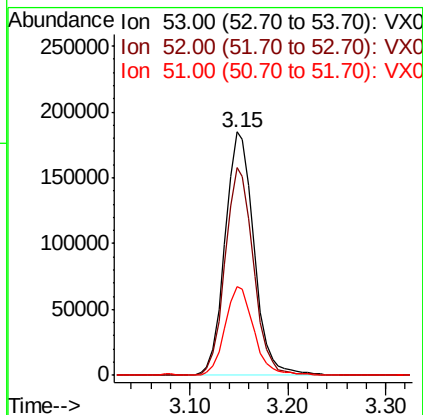
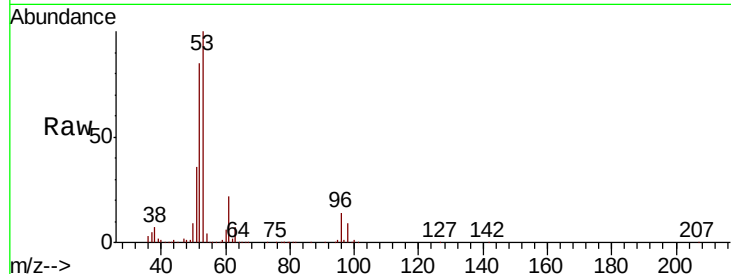
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	375622
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.2	97.8
51	36.7	28.2	42.2

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#16

Acetone

Concen: 235.563 ug/l

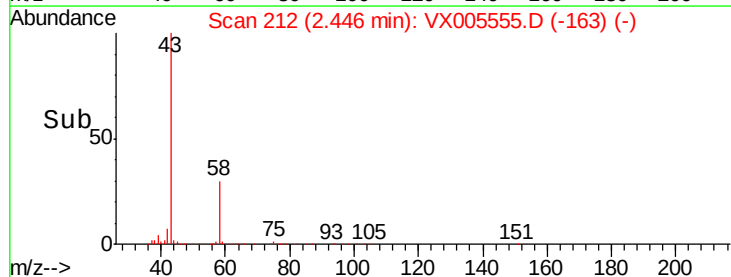
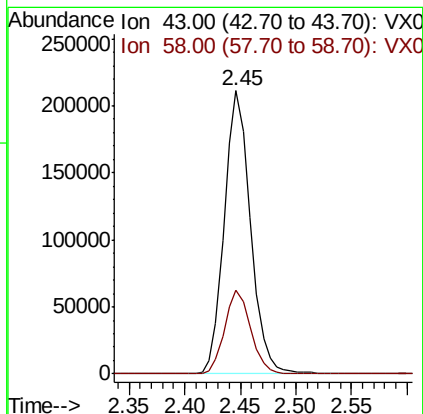
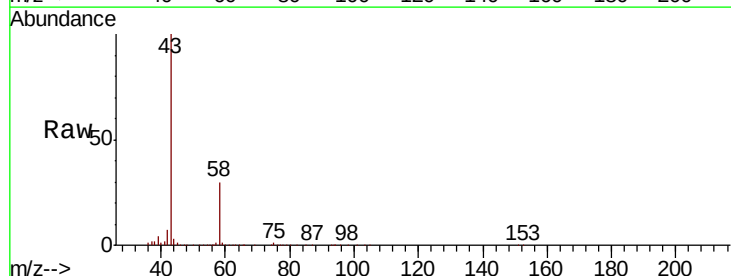
RT: 2.45 min Scan# 212

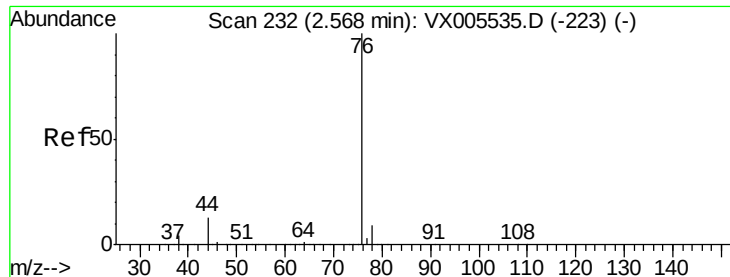
Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Tgt Ion:	43	Resp:	342980
Ion	Ratio	Lower	Upper
43	100		
58	29.5	26.2	39.4





#17

Carbon Disulfide

Concen: 43.202 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 279047

Ion Ratio Lower Upper

76 100

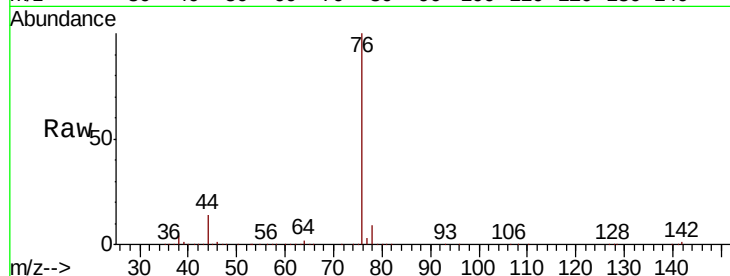
78 9.3 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

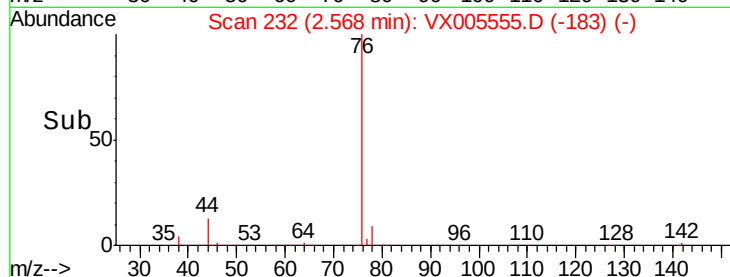
150000

100000

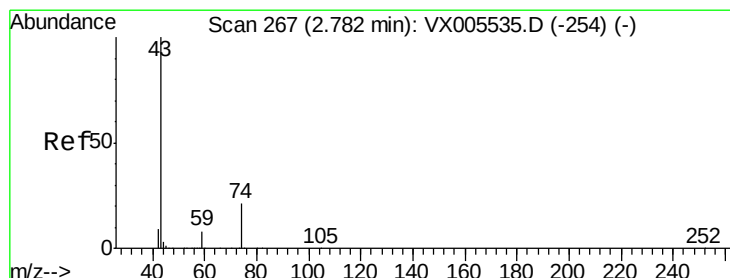
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 50.019 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005555.D

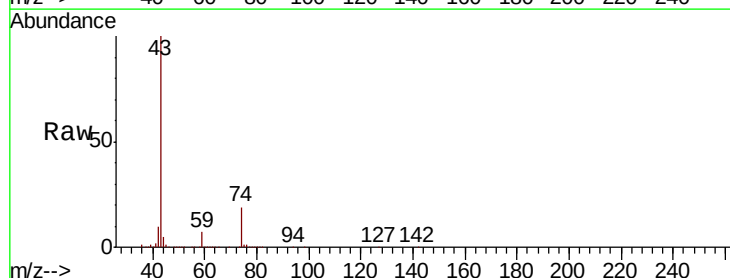
Acq: 24 Oct 2018 21:25

Tgt Ion: 43 Resp: 179911

Ion Ratio Lower Upper

43 100

74 20.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

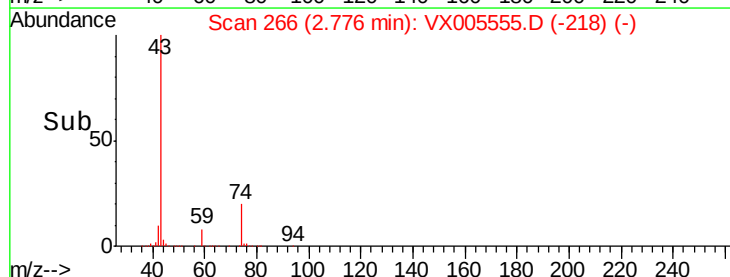
60000

40000

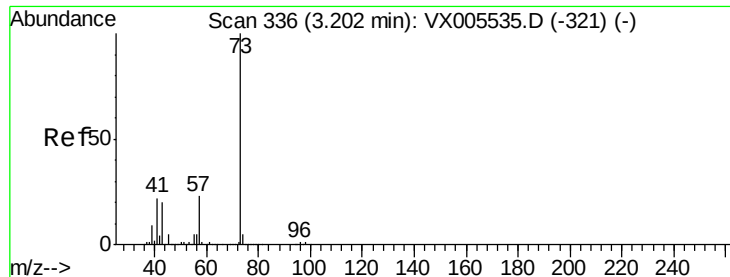
20000

0

Time-->



Time-->



#19

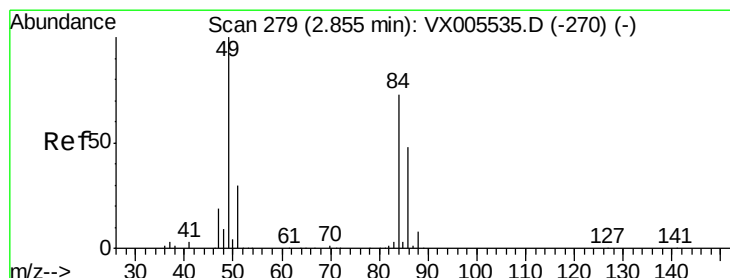
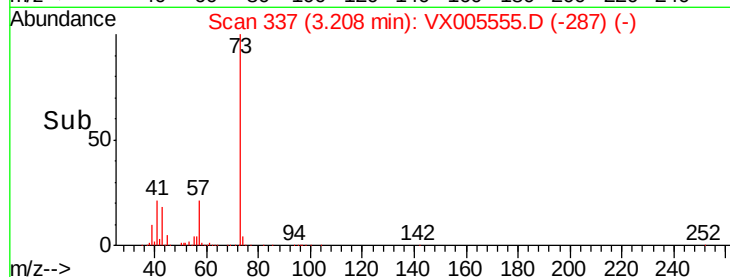
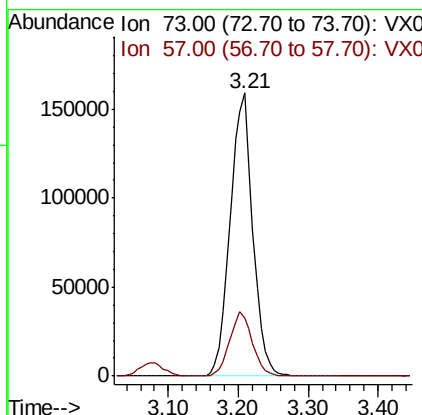
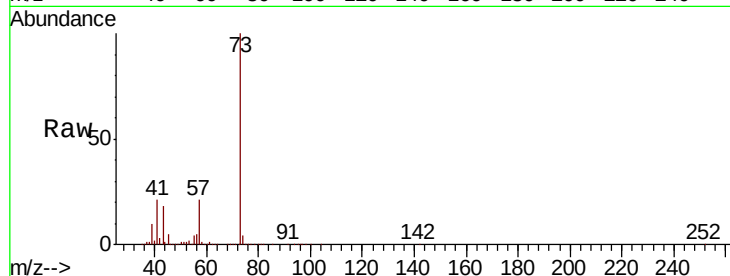
Methyl tert-butyl Ether
 Concen: 47.094 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.1	25.7

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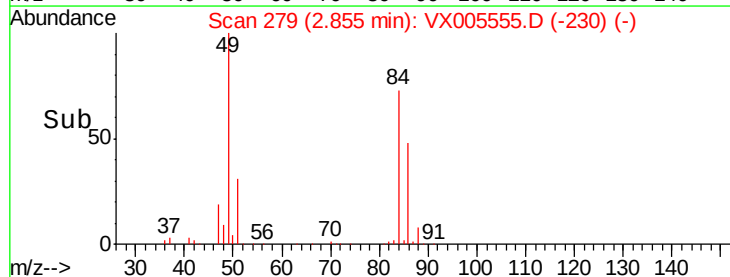
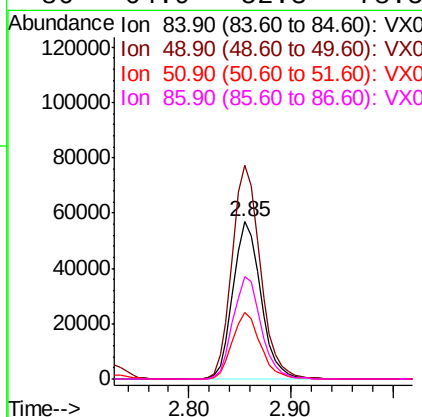
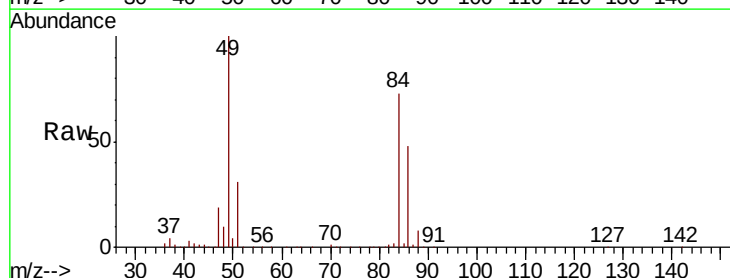
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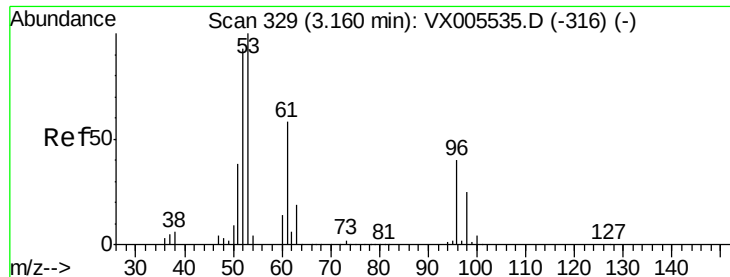


#20

Methylene Chloride
 Concen: 44.131 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.0	101.2	151.8
51	42.1	29.5	44.3
86	64.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 44.772 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

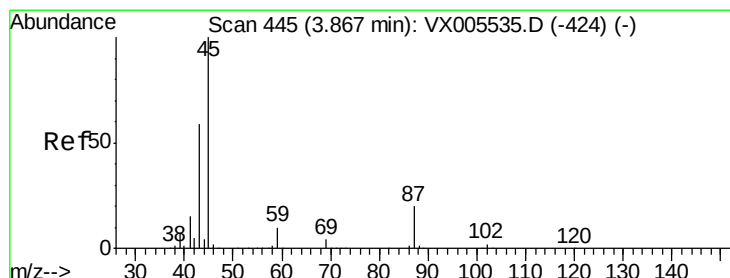
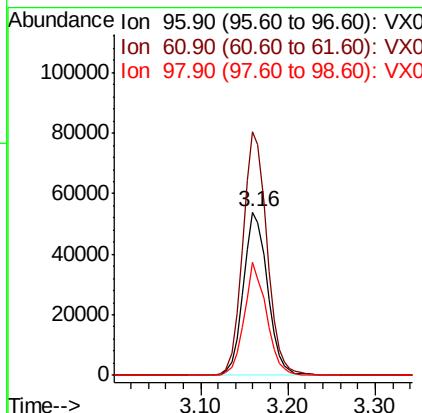
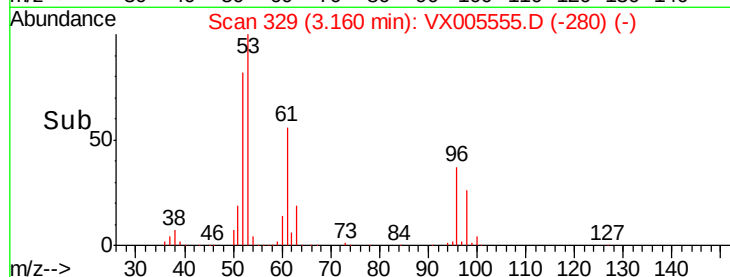
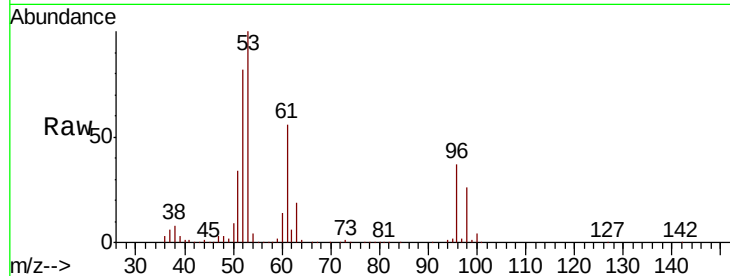
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	103581
Ion	Ratio	Lower	Upper
96	100		
61	149.1	113.8	170.6
98	69.6	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.034 ug/l

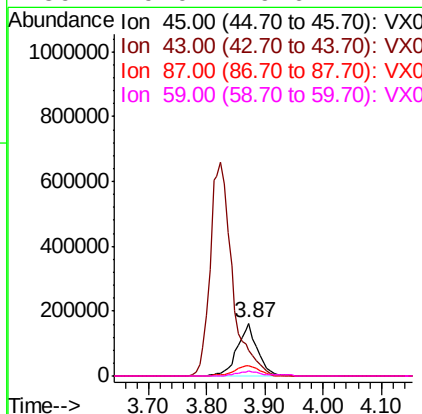
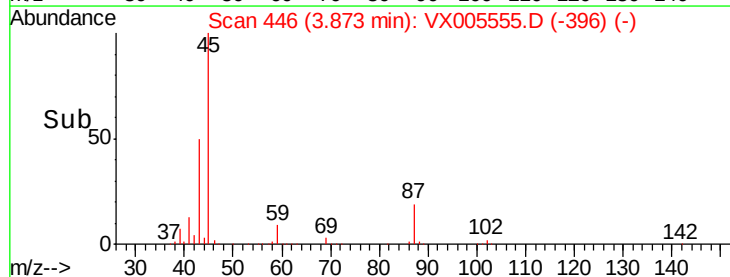
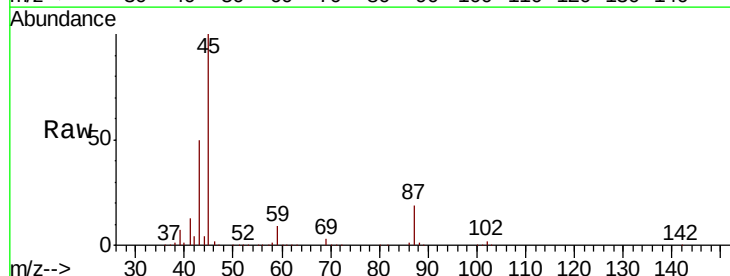
RT: 3.87 min Scan# 446

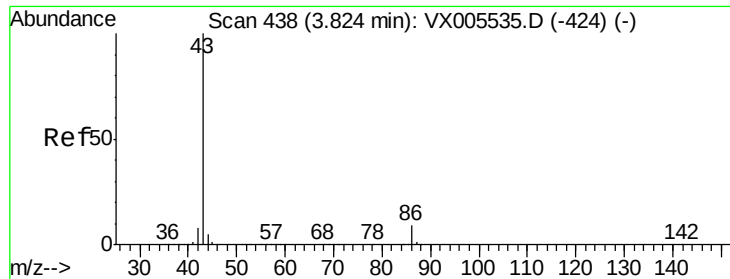
Delta R.T. 0.01 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Tgt Ion:	45	Resp:	388410
Ion	Ratio	Lower	Upper
45	100		
43	49.6	42.8	64.2
87	19.4	22.6	34.0#
59	9.0	9.6	14.4#





#23

Vinyl Acetate

Concen: 238.931 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1737737

Ion Ratio Lower Upper

43 100

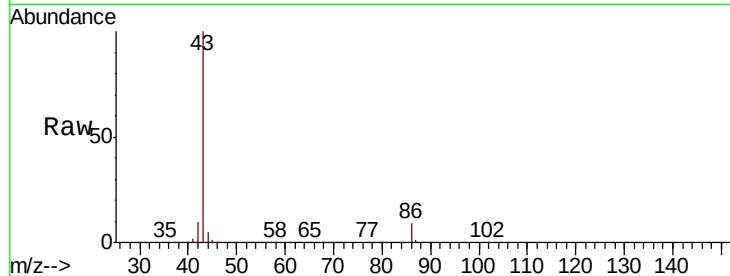
86 9.5 8.9 13.3

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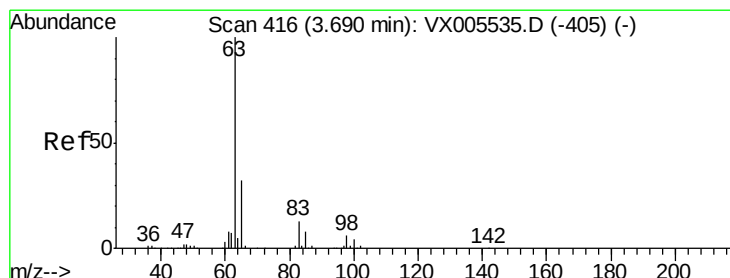
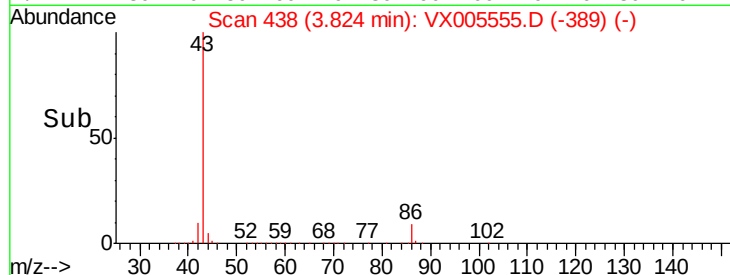
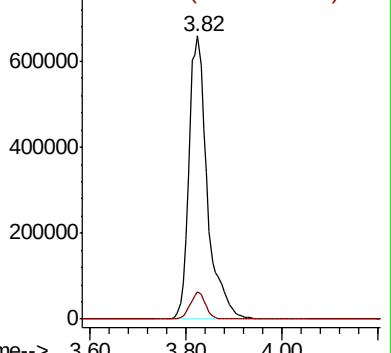
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.564 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

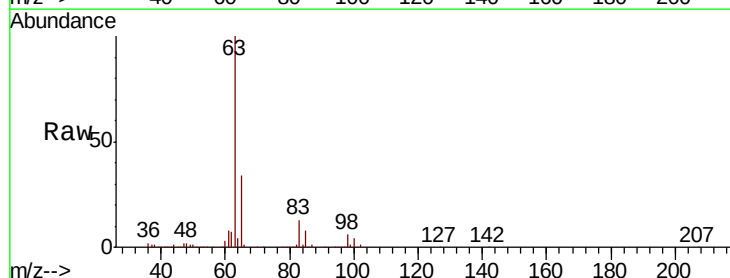
Tgt Ion: 63 Resp: 209063

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

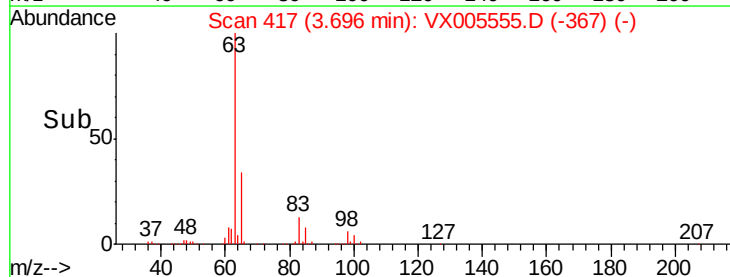
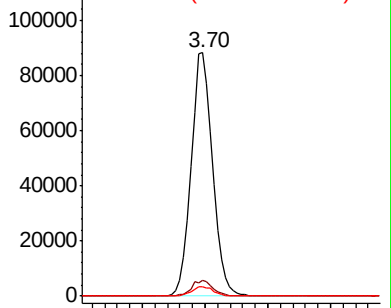
100 3.7 2.4 7.1

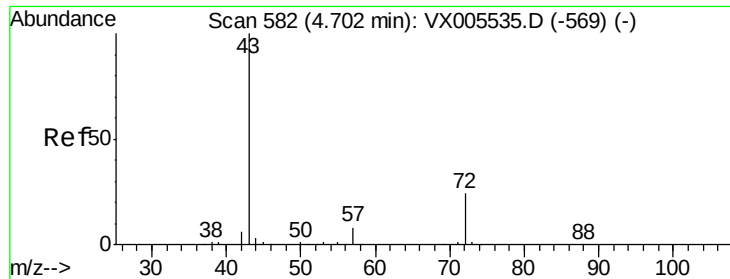


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 238.281 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 528315

Ion Ratio Lower Upper

43 100

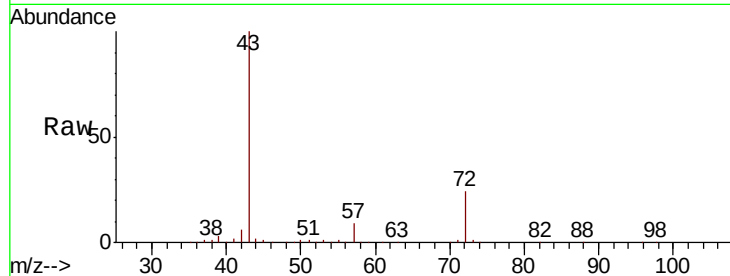
72 24.4 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

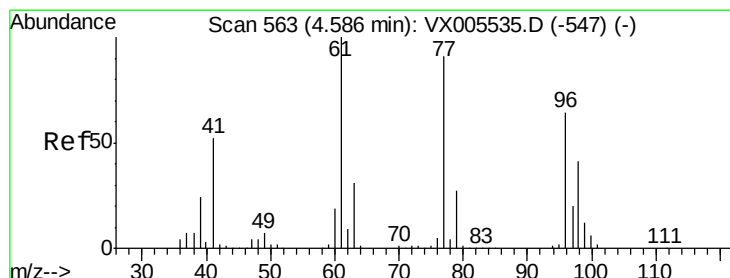
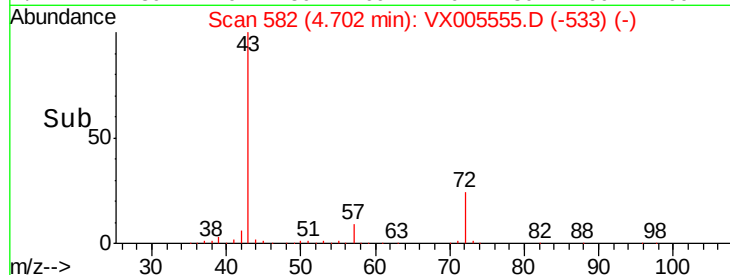
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 39.931 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005555.D

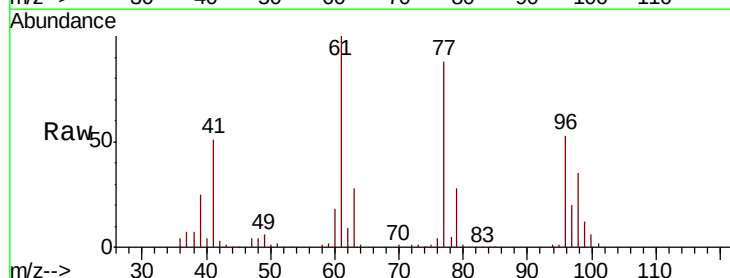
Acq: 24 Oct 2018 21:25

Tgt Ion: 77 Resp: 138413

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

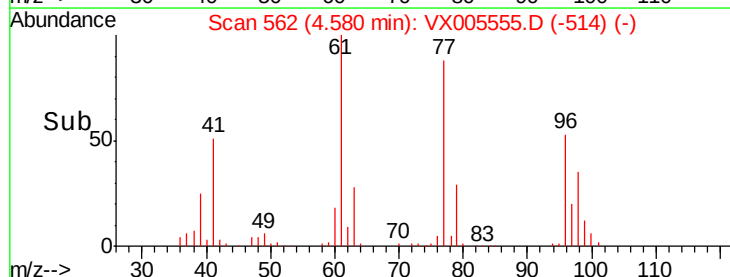
20000

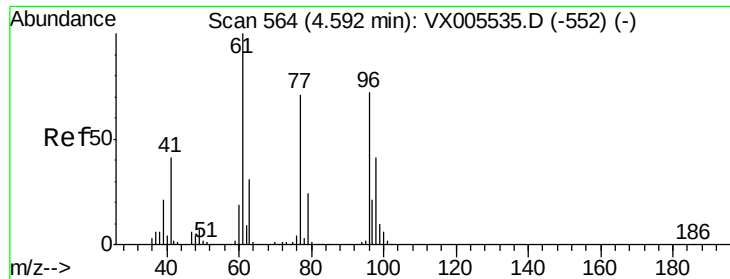
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

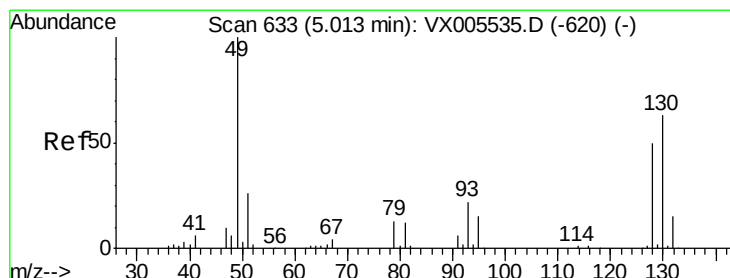
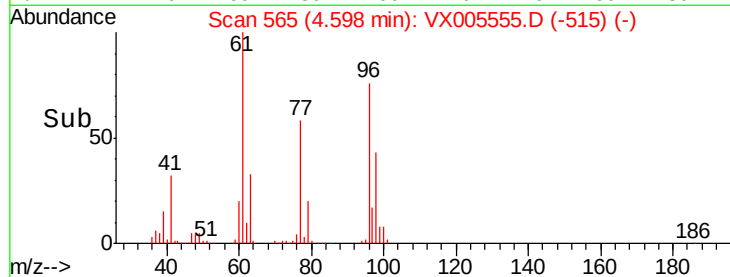
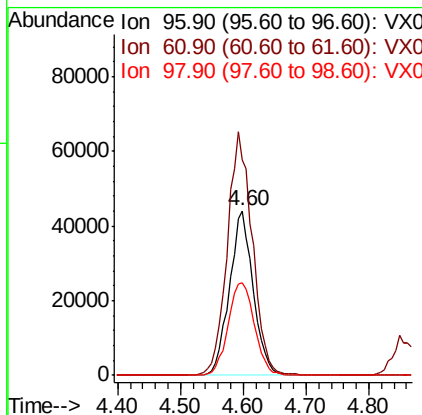
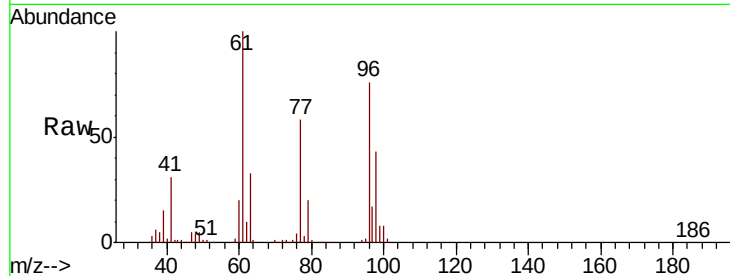
cis-1,2-Dichloroethene
Concen: 46.094 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.4	0.0	282.6	
98	62.5	0.0	130.2	

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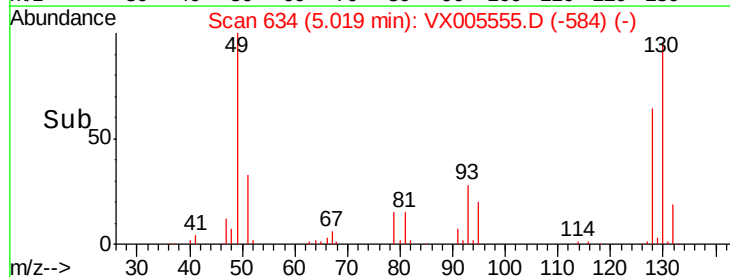
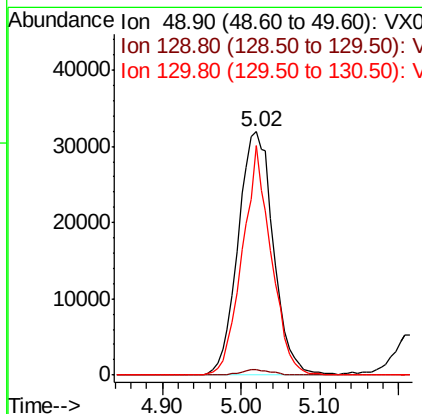
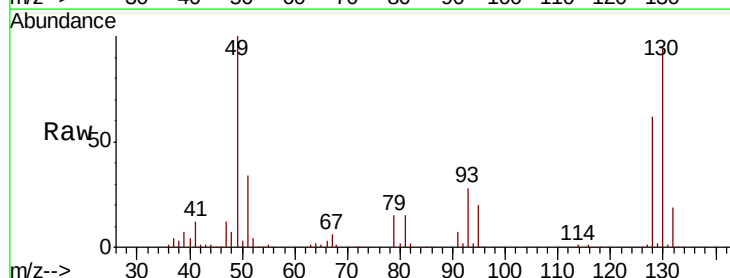
MMDadoda
10/26/2018 11:53:45 AM

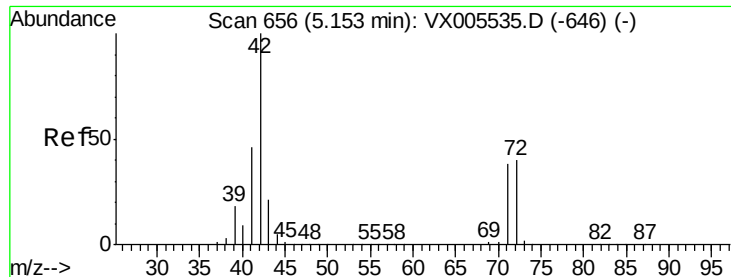


#28

Bromochloromethane
Concen: 45.737 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	77.0	67.5	101.3	





#29

Tetrahydrofuran

Concen: 241.093 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

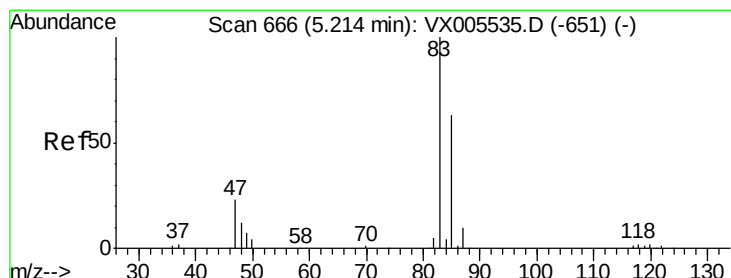
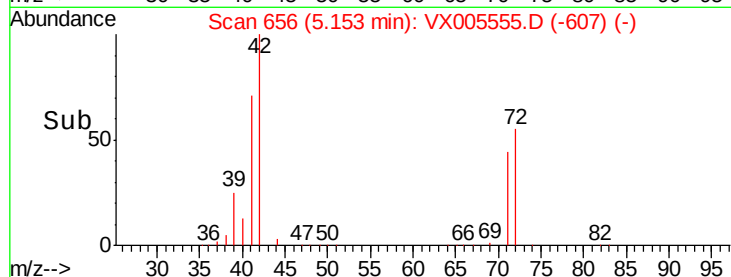
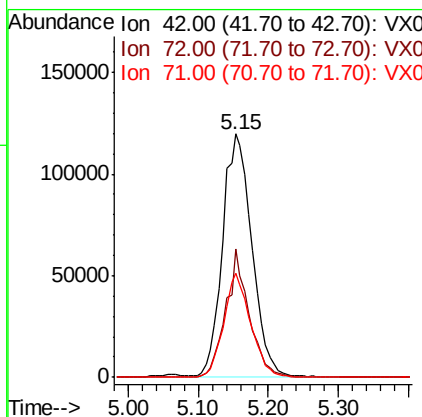
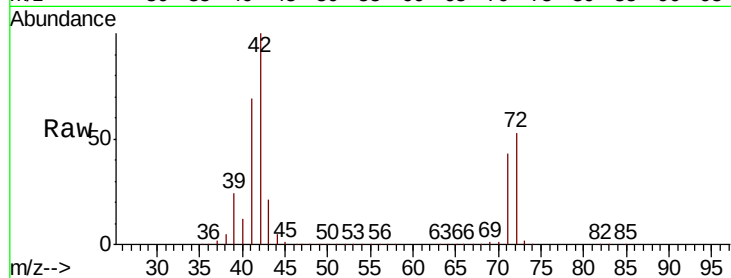
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	347874
Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.4	56.0
71	39.2	34.5	51.7

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#30

Chloroform

Concen: 46.363 ug/l

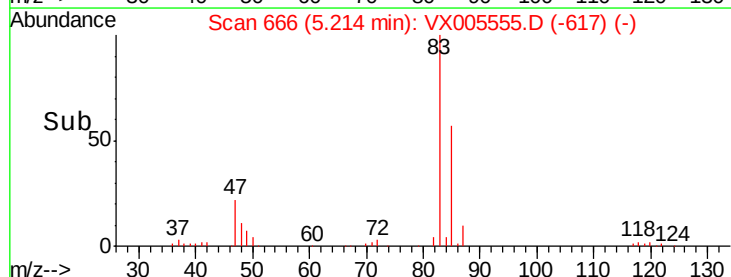
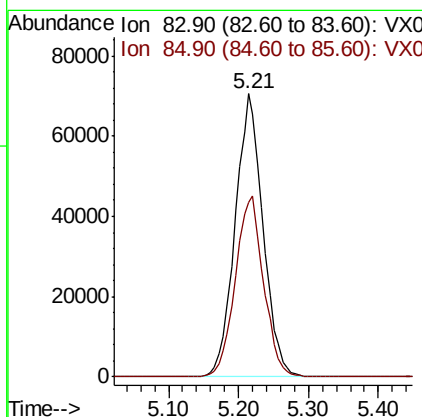
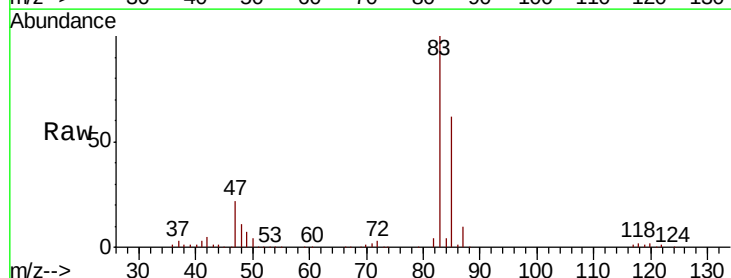
RT: 5.21 min Scan# 666

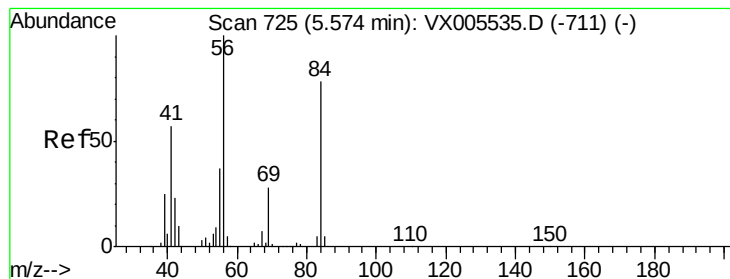
Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Tgt Ion:	83	Resp:	194712
Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.6	79.0





#31

Cyclohexane

Concen: 46.679 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 173402

Ion Ratio Lower Upper

56 100

69 28.0 25.4 38.2

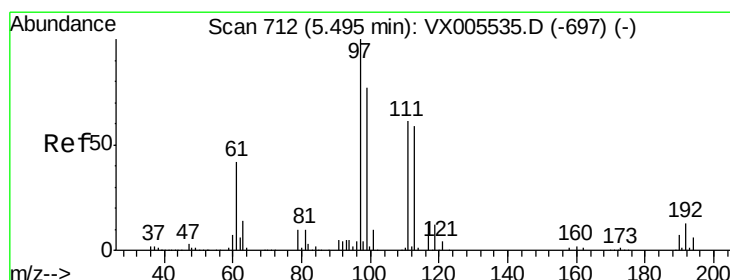
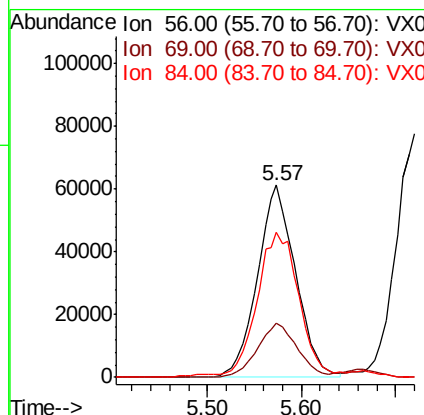
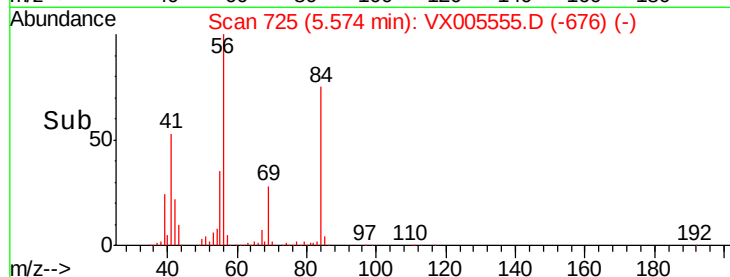
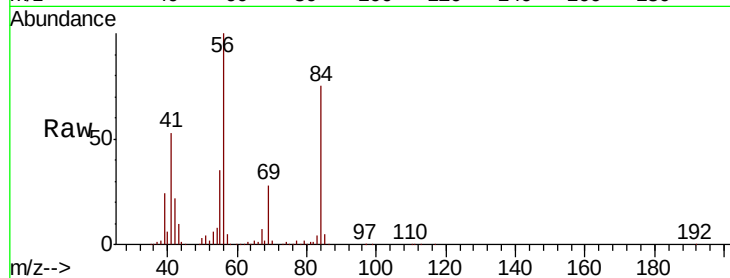
84 74.1 71.4 107.2

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#32

1,1,1-Trichloroethane

Concen: 45.252 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

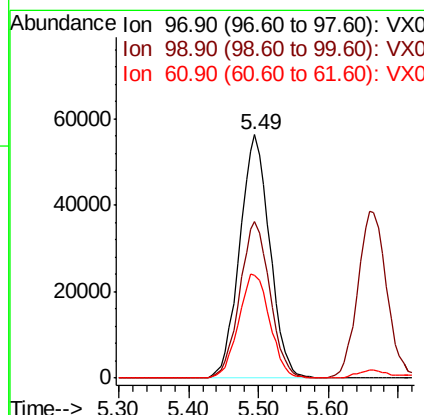
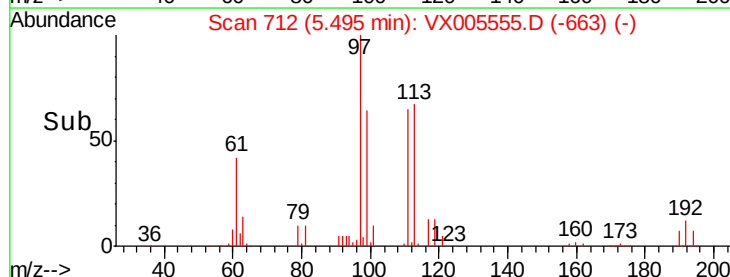
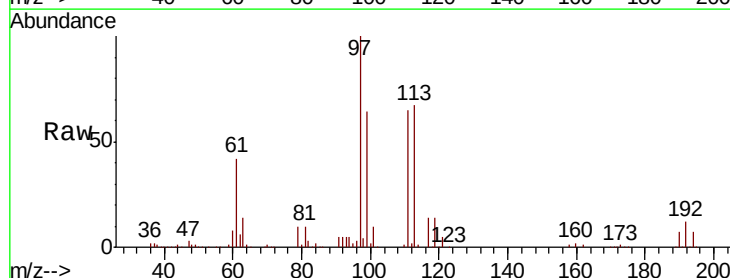
Tgt Ion: 97 Resp: 167735

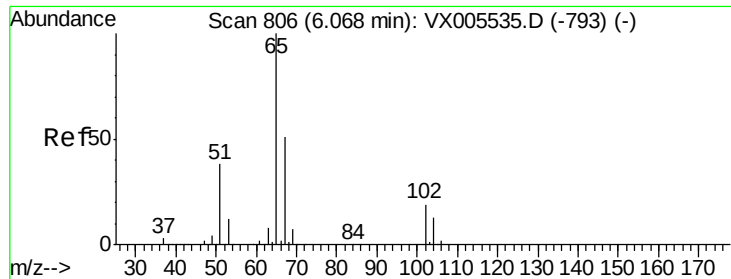
Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 44.5 34.9 52.3





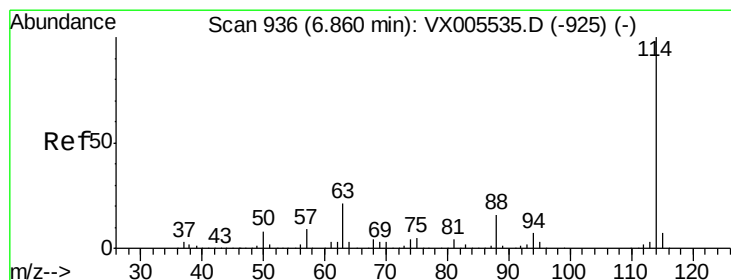
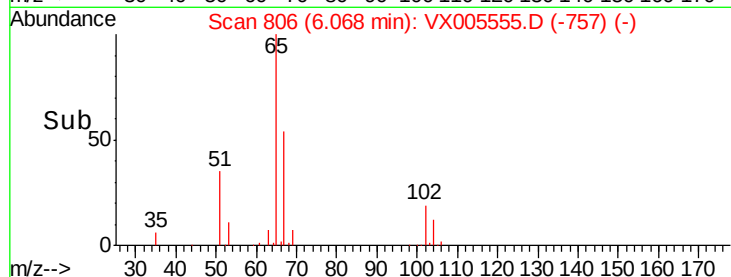
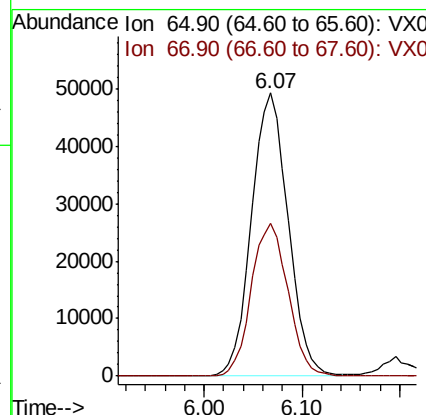
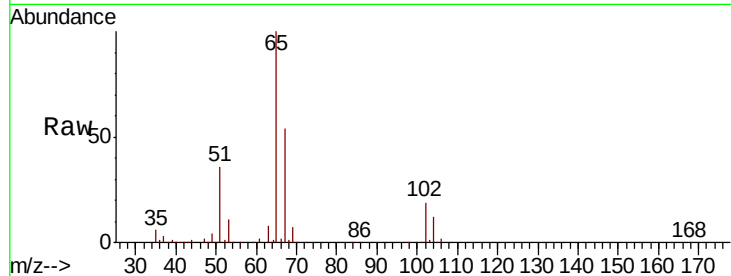
#33
 1,2-Dichloroethane-d4
 Concen: 46.487 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.8

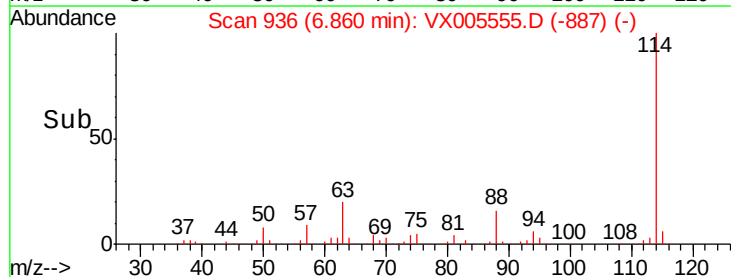
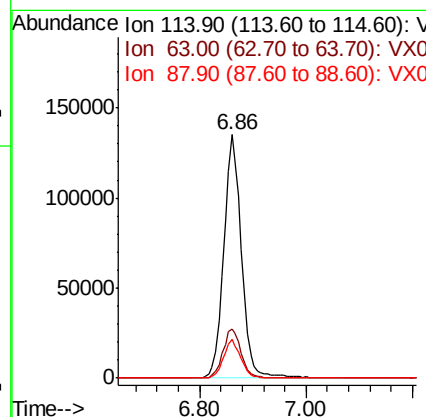
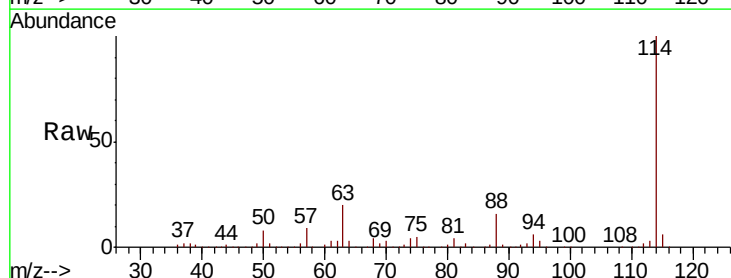
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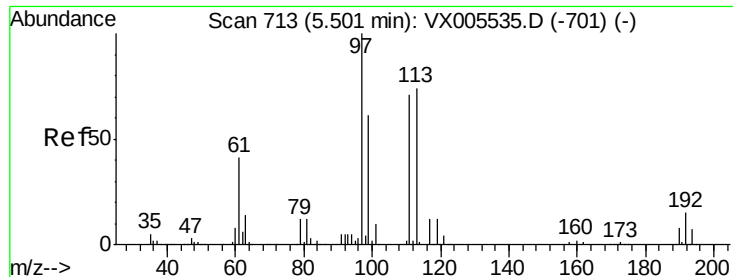
MMDadoda
 10/26/2018 11:53:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.0
88	15.7	0.0	30.4





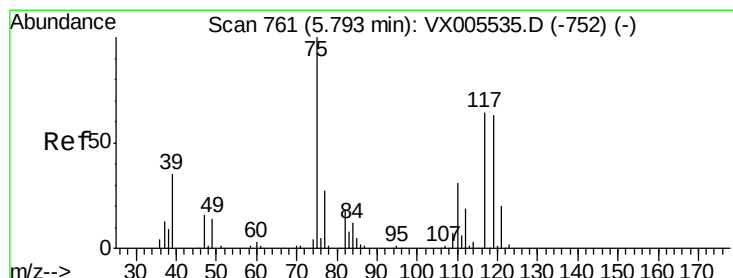
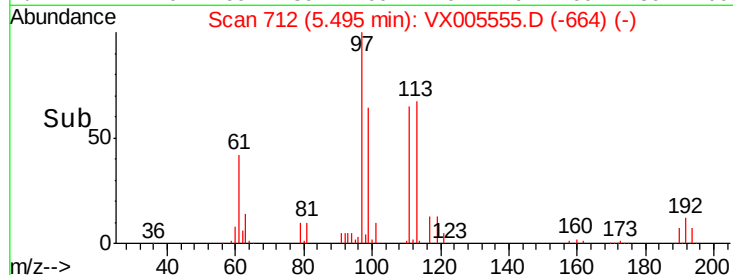
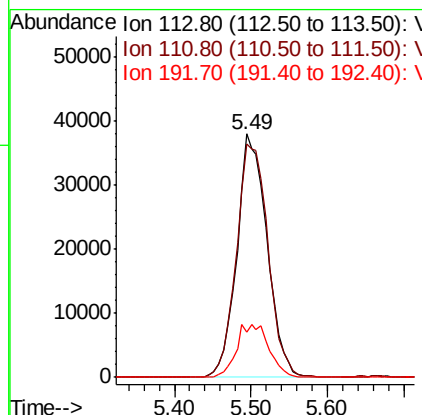
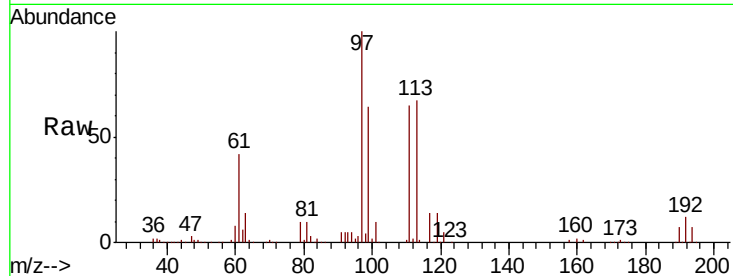
#35
 Dibromofluoromethane
 Concen: 48.556 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103664		
111	100.9	82.4	123.6	
192	23.2	19.4	29.2	

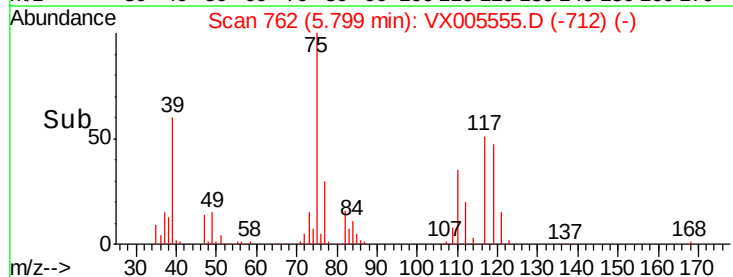
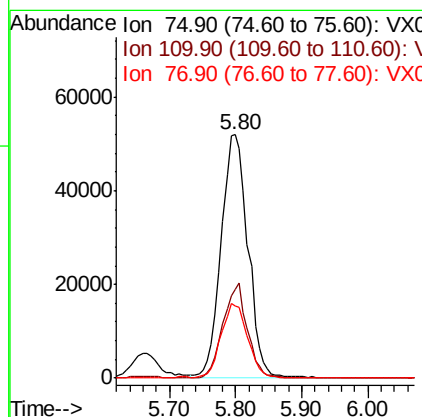
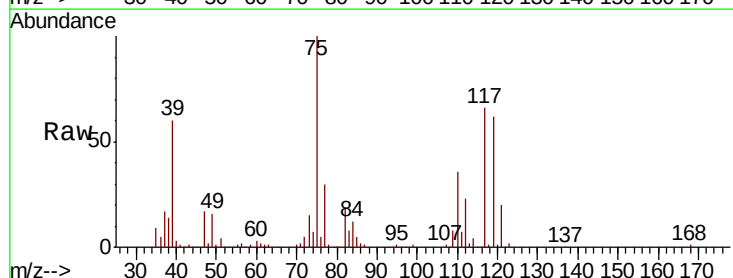
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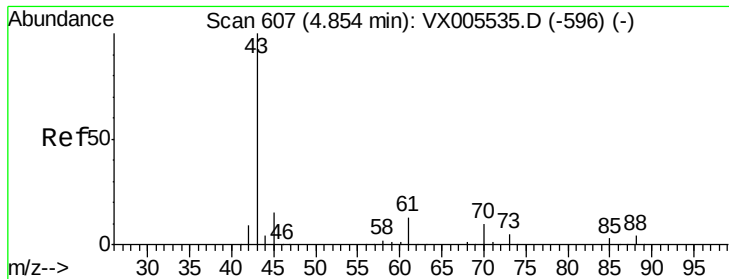
MMDadoda
 10/26/2018 11:53:45 AM



#36
 1,1-Dichloropropene
 Concen: 47.508 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145368		
110	35.5	18.0	54.0	
77	30.6	24.6	36.8	





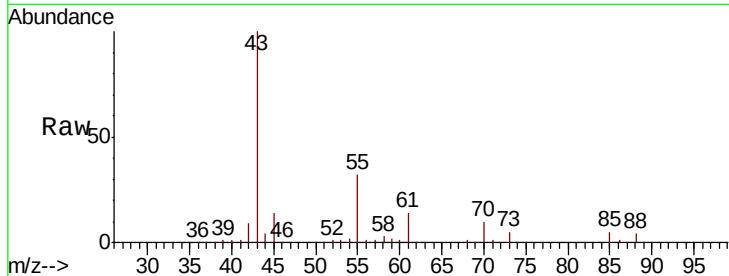
#37
Ethyl Acetate
Concen: 49.021 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

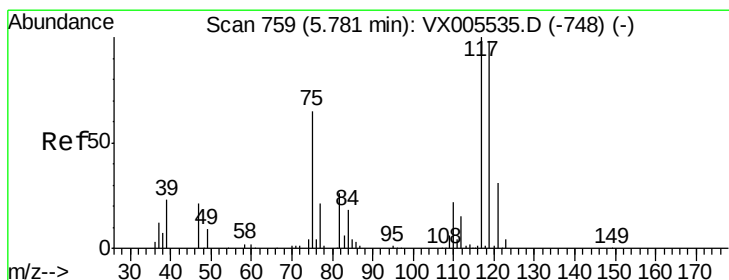
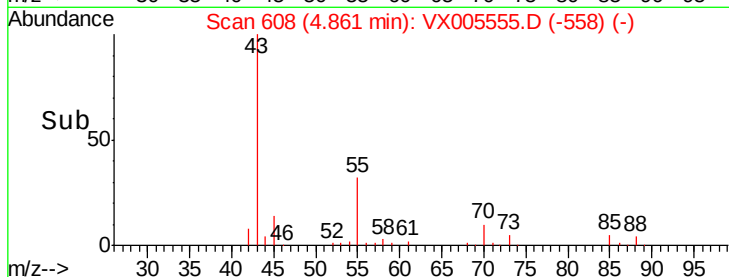
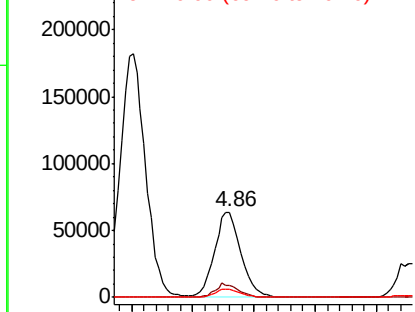
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	9.6	9.0	13.6

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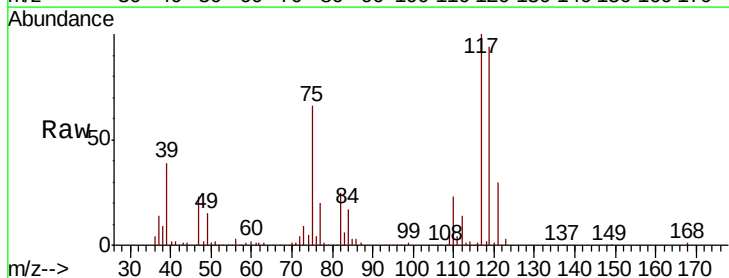


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

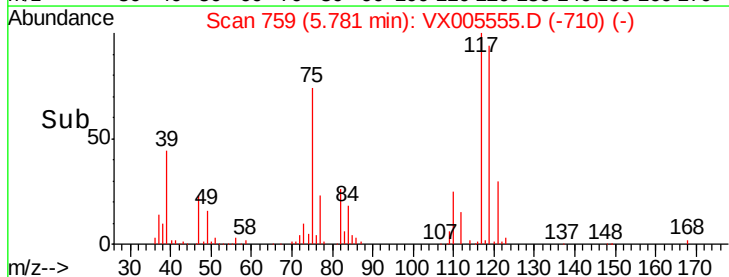
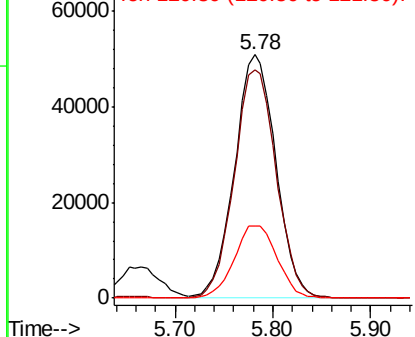


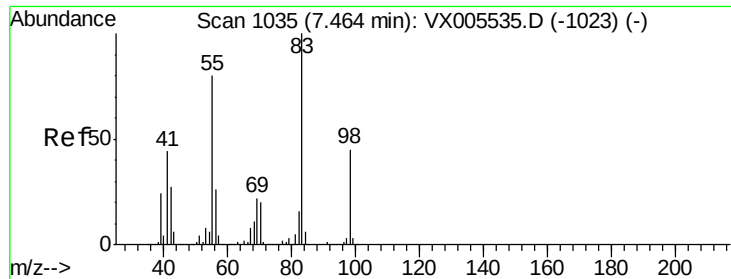
#38
Carbon Tetrachloride
Concen: 46.104 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.8	118.2
121	29.7	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





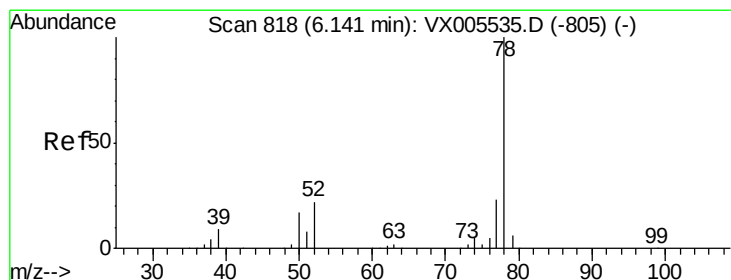
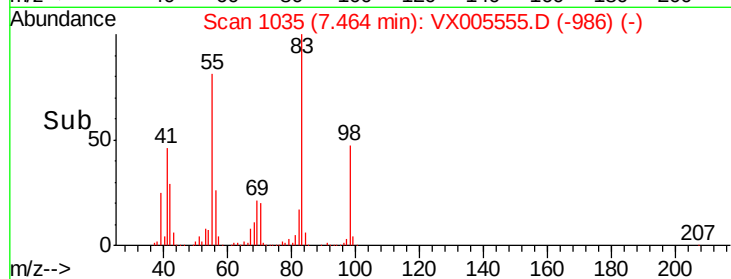
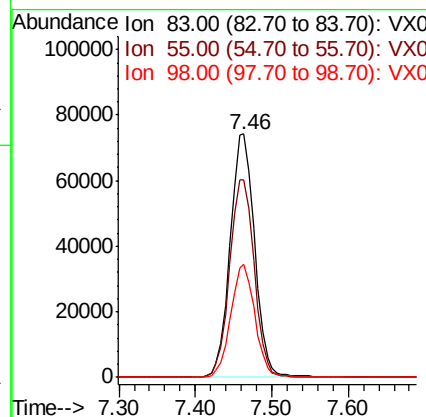
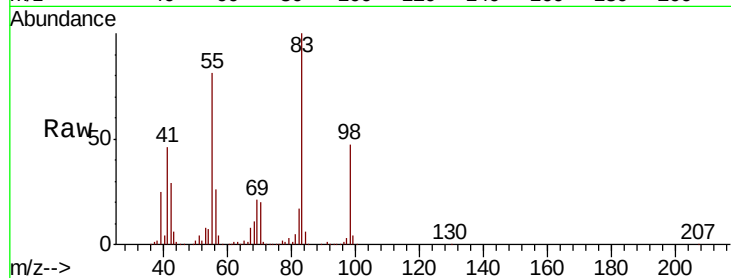
#39
Methylvlcyclohexane
Concen: 48.620 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	61.0	91.4
98	46.7	39.6	59.4

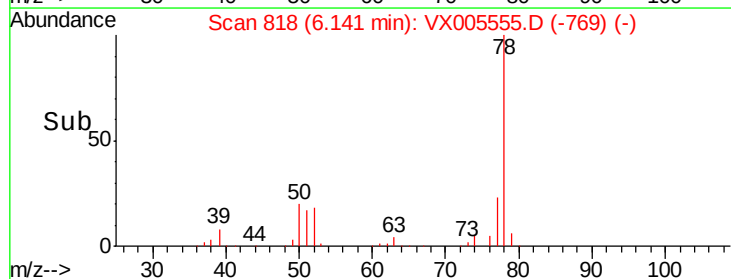
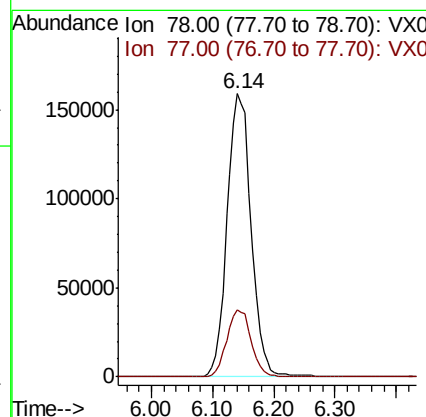
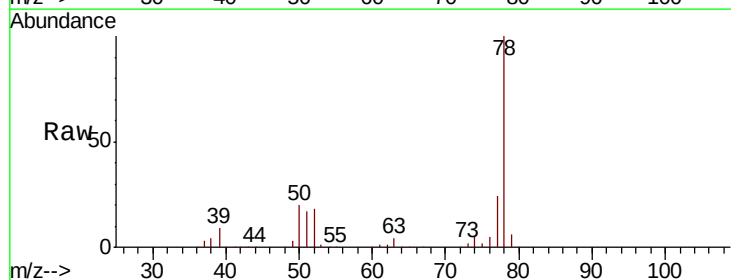
Manual Integrations
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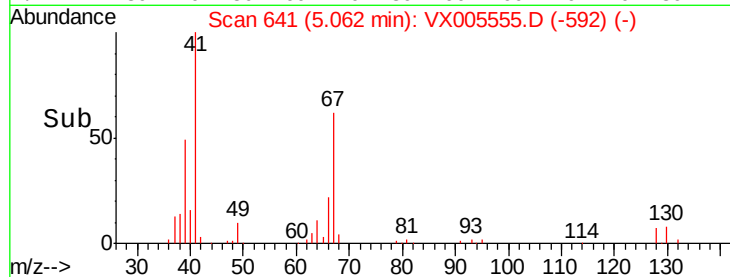
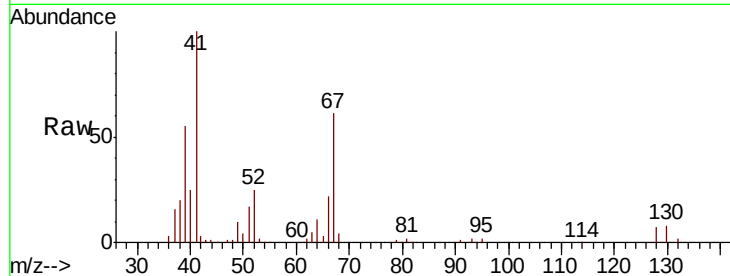
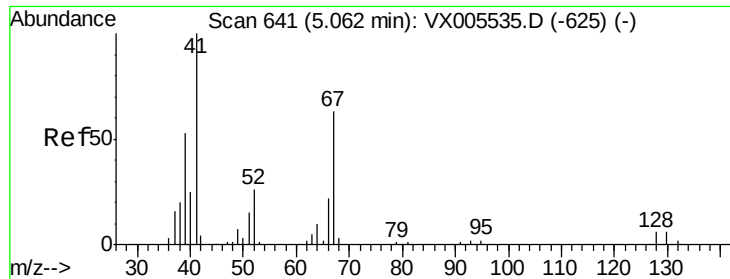
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#40
Benzene
Concen: 49.662 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





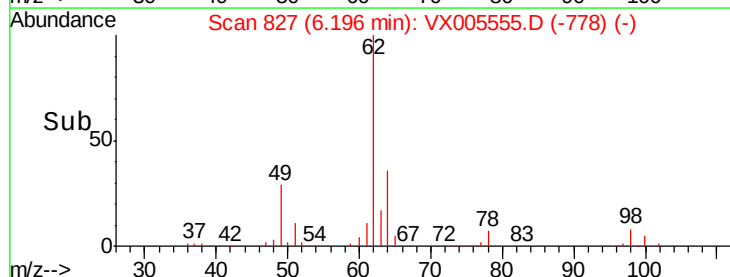
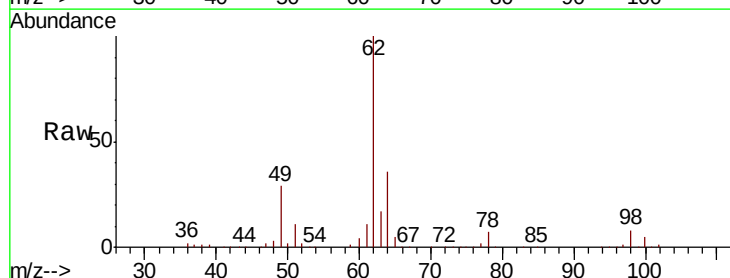
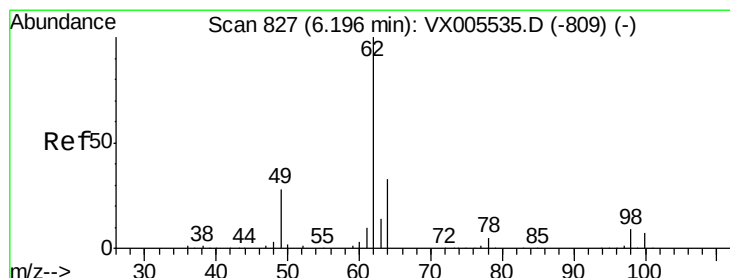
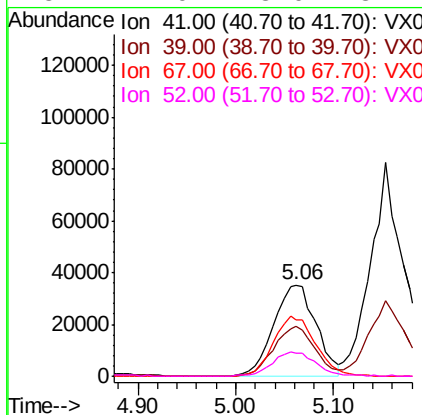
#41
Methacrylonitrile
Concen: 48.842 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		106232		
39	53.9	42.4	63.6		
67	65.7	59.2	88.8		
52	27.0	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

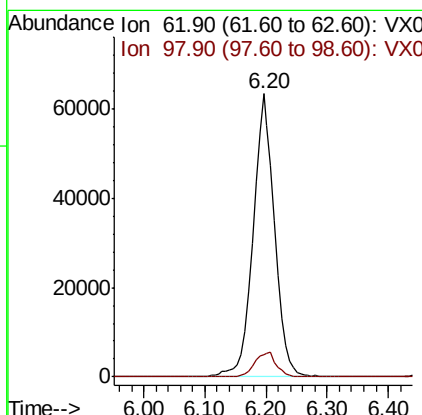
Manual Integrations
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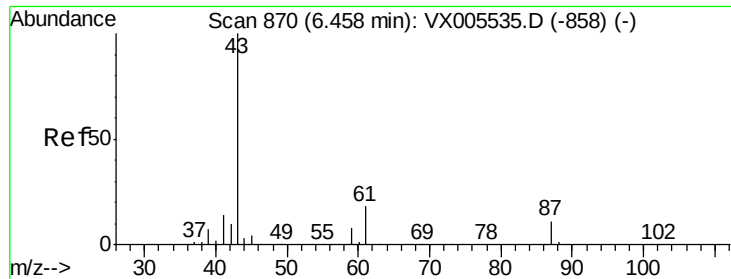
MMDadoda
10/26/2018 11:53:45 AM



#42
1,2-Dichloroethane
Concen: 46.963 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		156487		
98	8.8	0.0	20.6		





#43

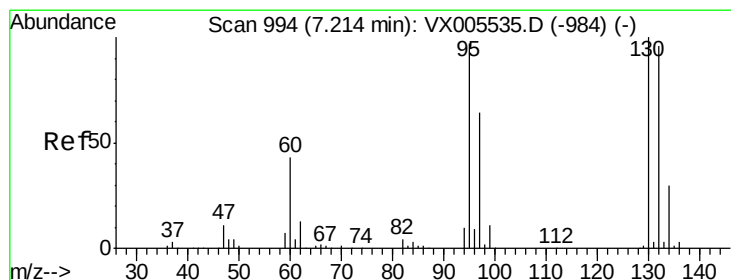
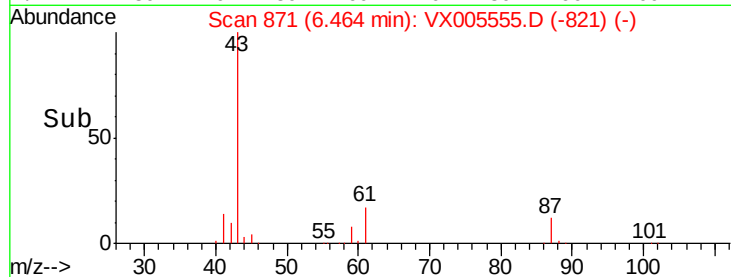
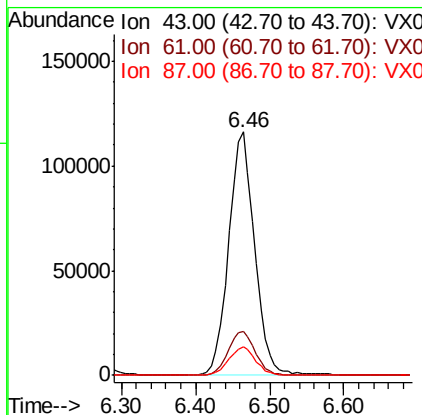
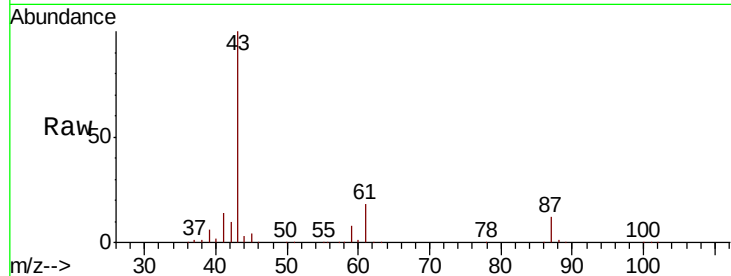
Isopropyl Acetate
 Concen: 48.350 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	17.0	25.4
87	12.2	11.4	17.2

Manual Integrations
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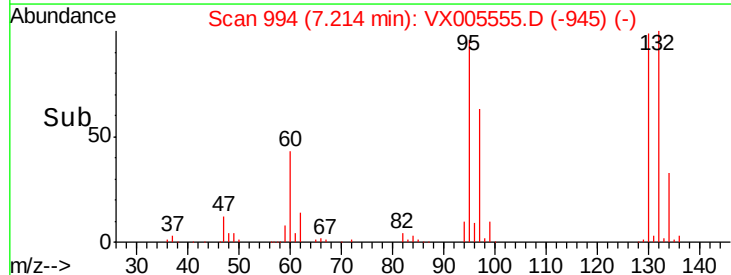
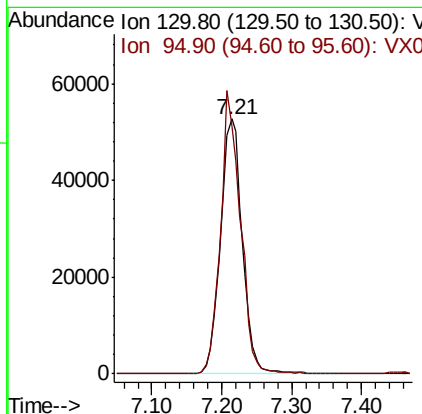
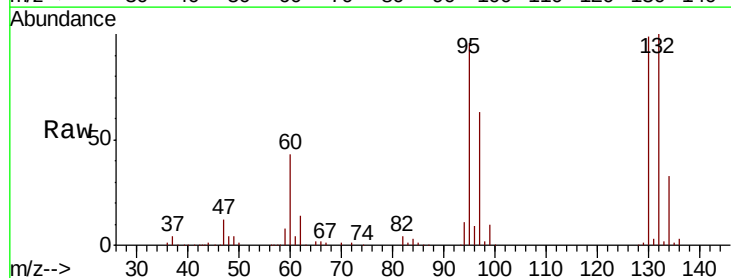
MMDadoda
 10/26/2018 11:53:45 AM

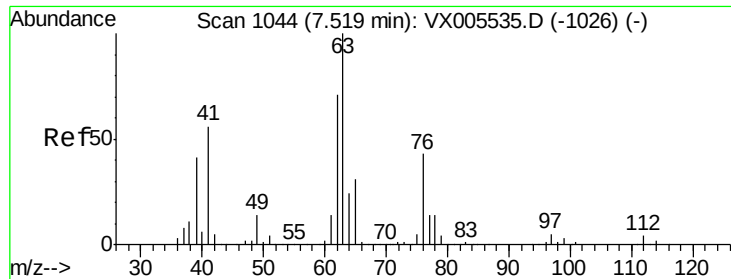


#44

Trichloroethene
 Concen: 47.941 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	181.6





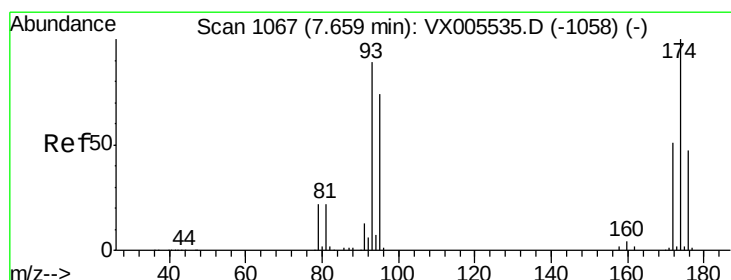
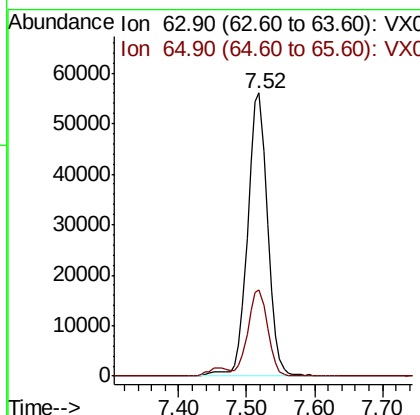
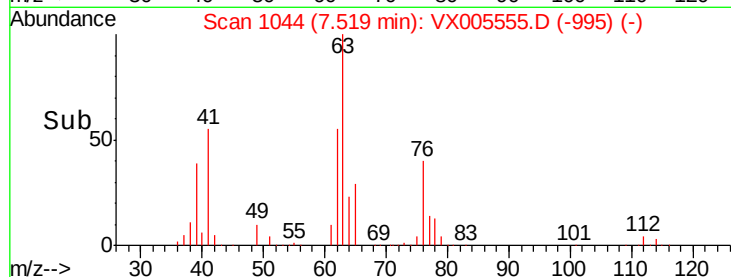
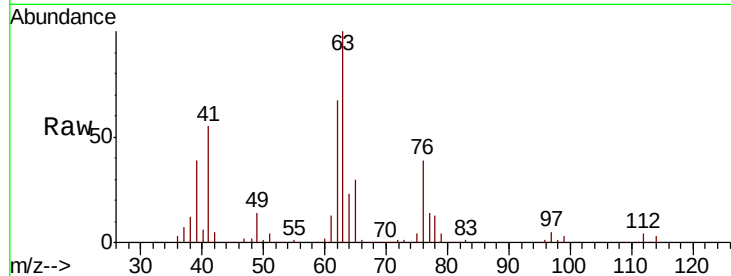
#45
 1,2-Dichloropropane
 Concen: 48.807 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 115097
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5

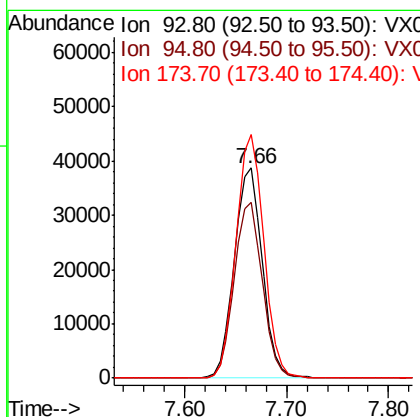
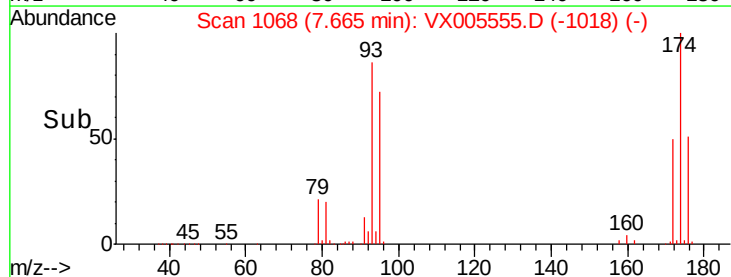
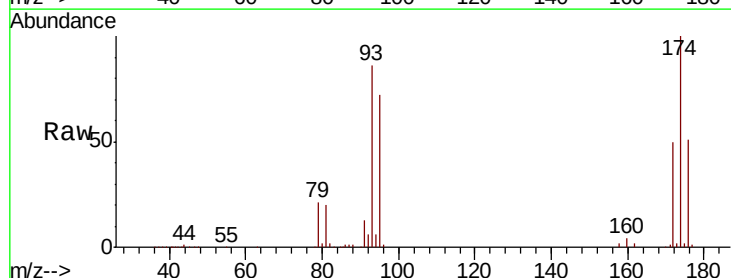
Manual Integrations
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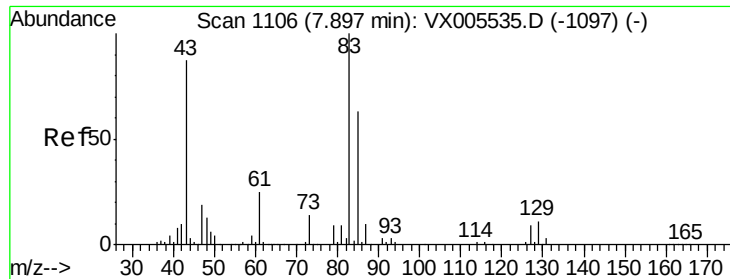
MMDadoda
 10/26/2018 11:53:45 AM



#46
 Dibromomethane
 Concen: 48.327 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion: 93 Resp: 73605
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.5 98.3
 174 115.4 94.2 141.4





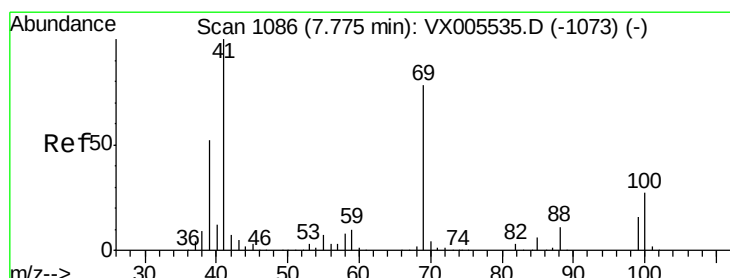
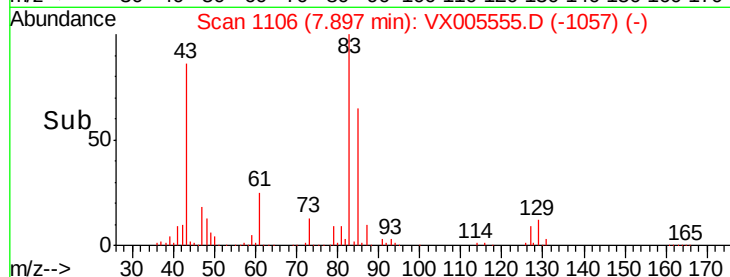
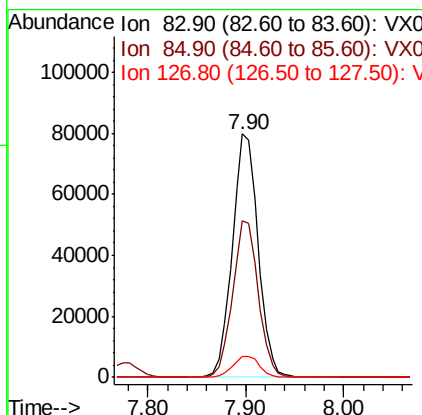
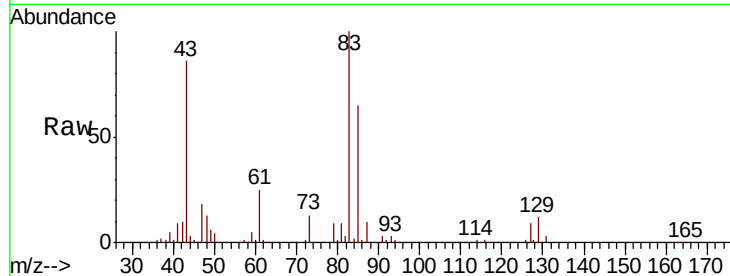
#47
 Bromodichloromethane
 Concen: 49.378 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	145965
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.9	76.3
127	8.5	7.3	10.9

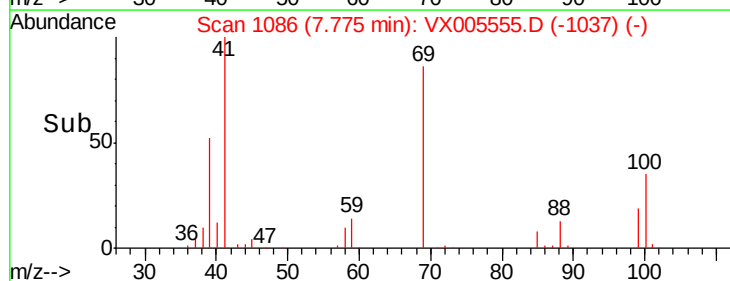
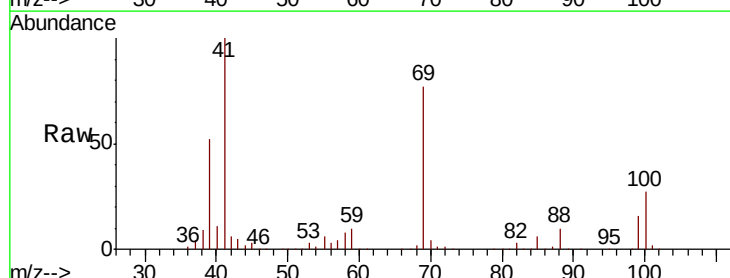
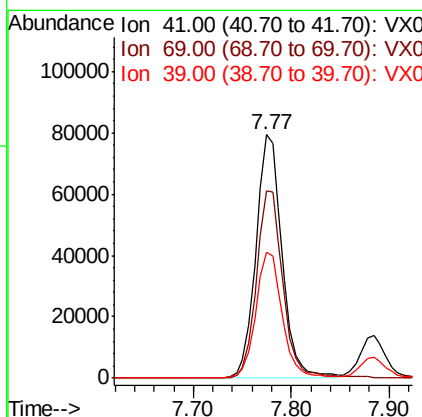
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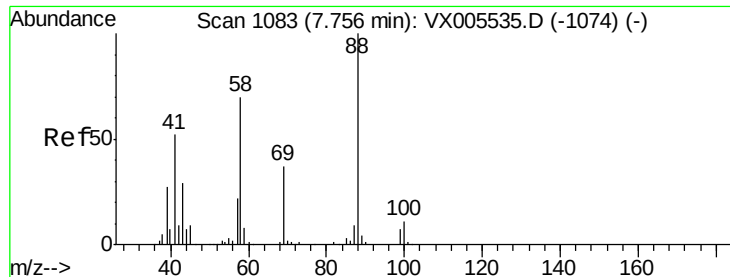
MMDadoda
 10/26/2018 11:53:45 AM



#48
 Methyl methacrylate
 Concen: 51.838 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	41	Resp	147760
Ion Ratio	Lower	Upper	
41	100		
69	78.4	70.2	105.4
39	52.1	42.7	64.1





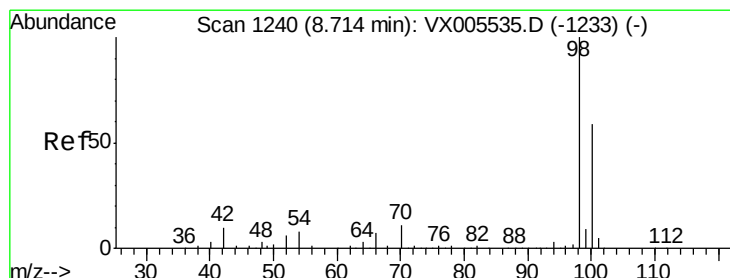
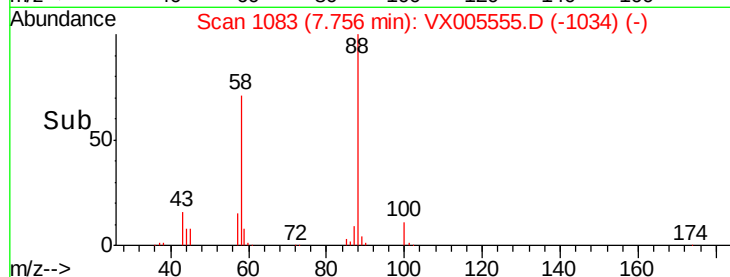
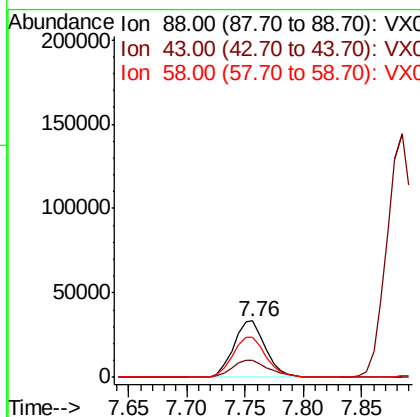
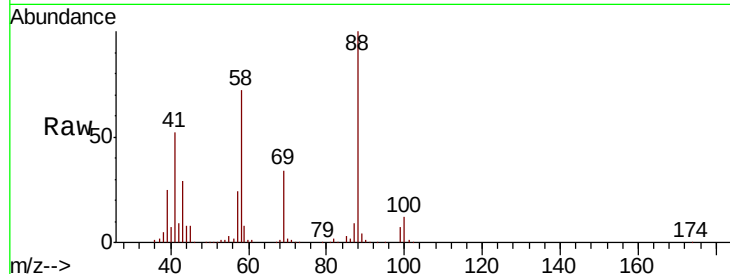
#49
1,4-Dioxane
Concen: 1027.569 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	24.7	37.1
58	75.0	55.3	82.9

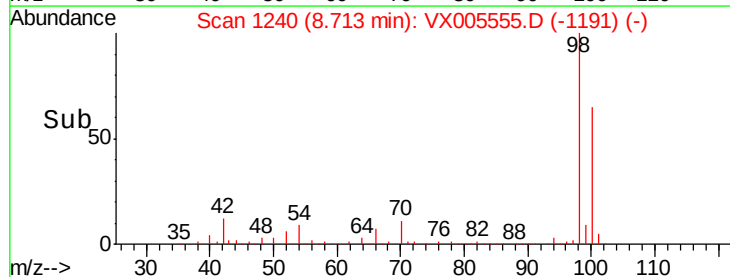
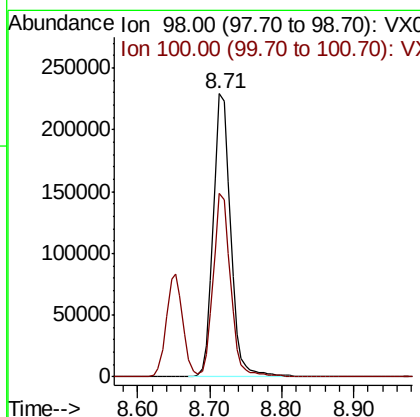
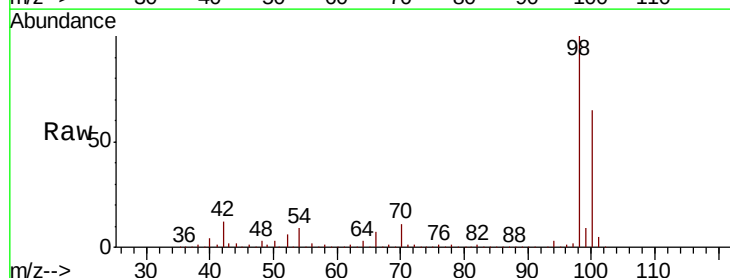
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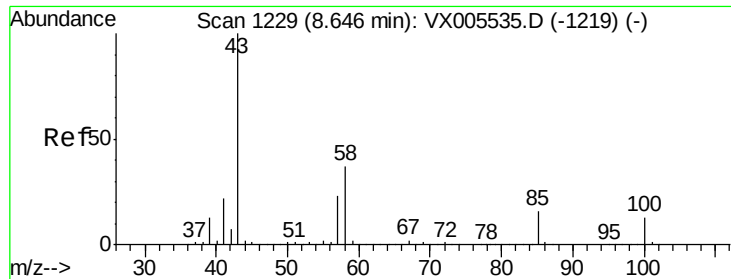
MMDadoda
10/26/2018 11:53:45 AM



#50
Toluene-d8
Concen: 50.094 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 252.351 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 992322

Ion Ratio Lower Upper

43 100

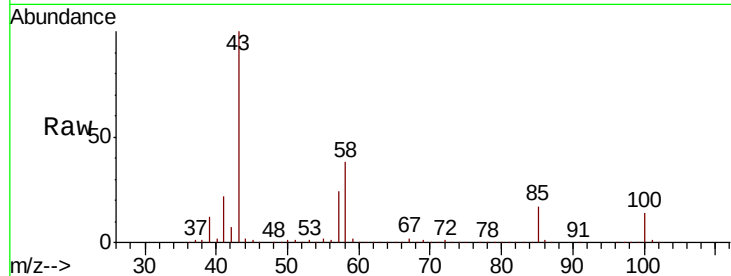
58 37.2 33.1 49.7

Manual Integrations

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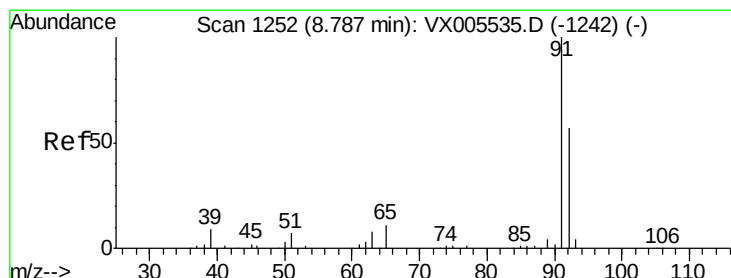
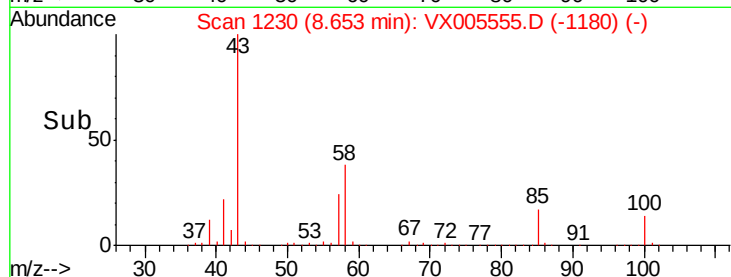
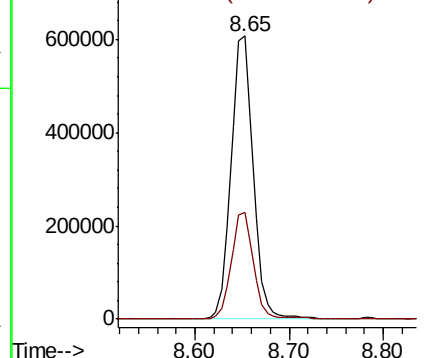
MMDadoda

10/26/2018 11:53:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.003 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005555.D

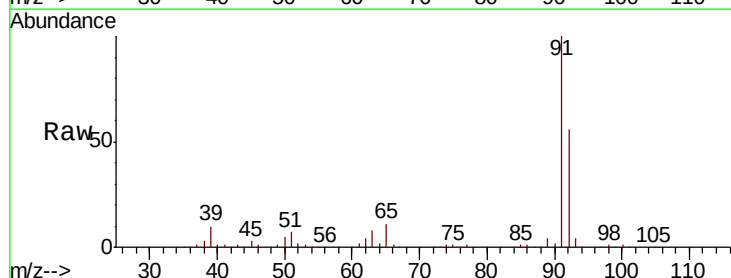
Acq: 24 Oct 2018 21:25

Tgt Ion: 92 Resp: 266555

Ion Ratio Lower Upper

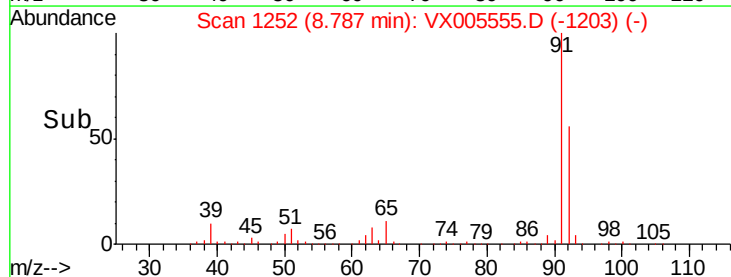
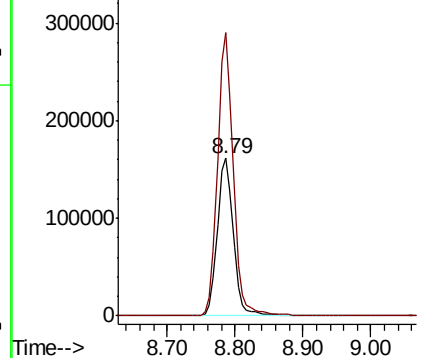
92 100

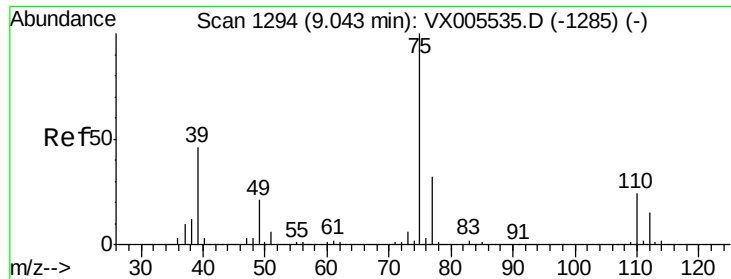
91 175.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





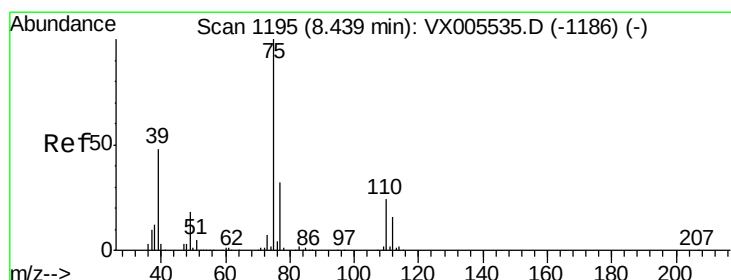
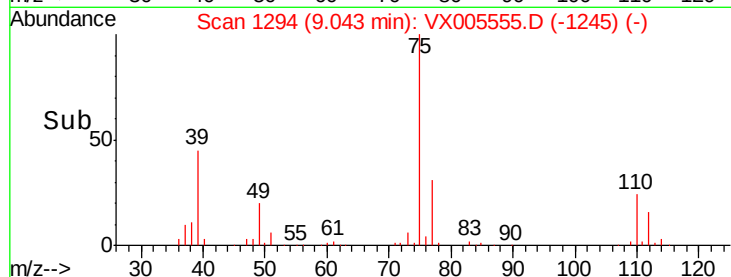
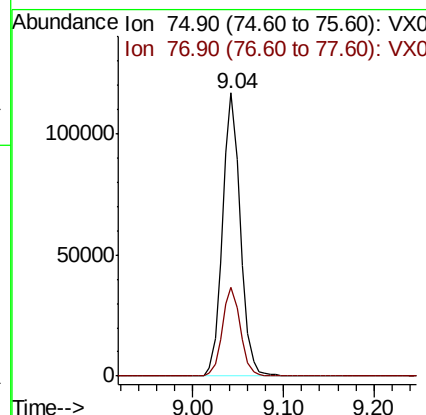
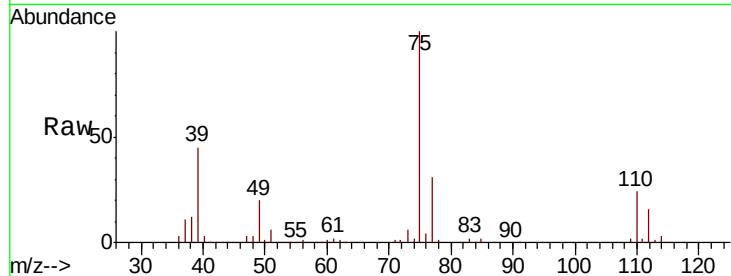
#53
t-1,3-Dichloropropene
Concen: 50.491 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	37.0

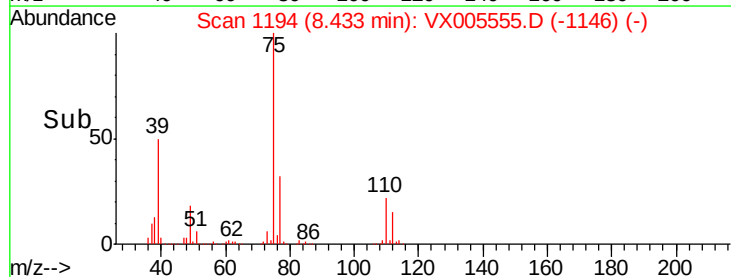
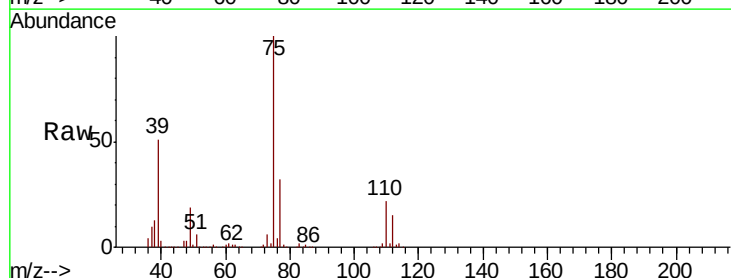
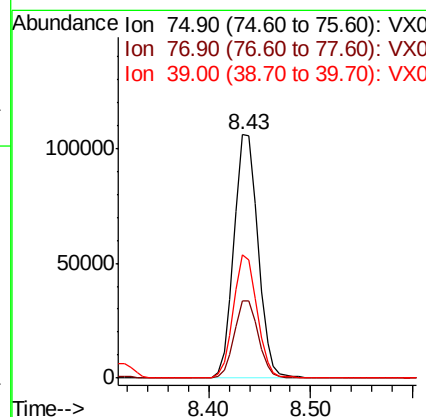
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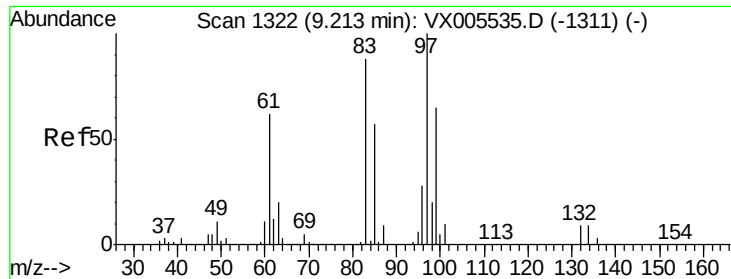
MMDadoda
10/26/2018 11:53:45 AM



#54
cis-1,3-Dichloropropene
Concen: 50.307 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.2
39	50.5	36.4	54.6





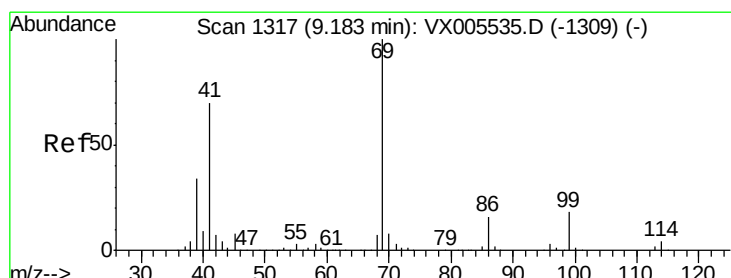
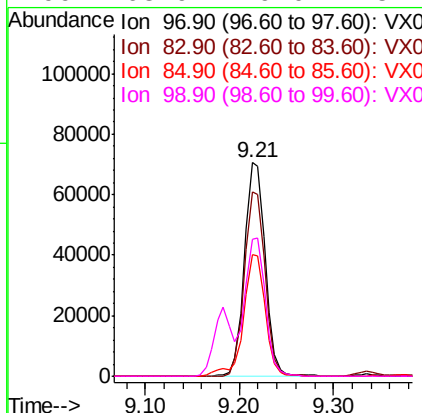
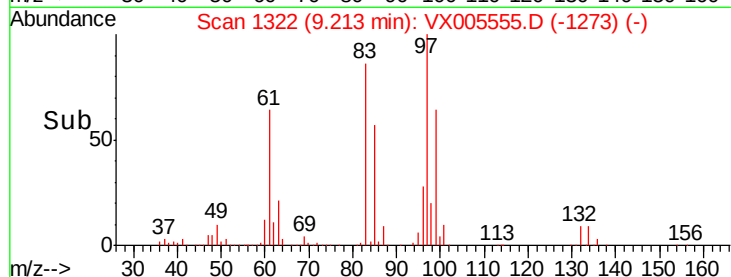
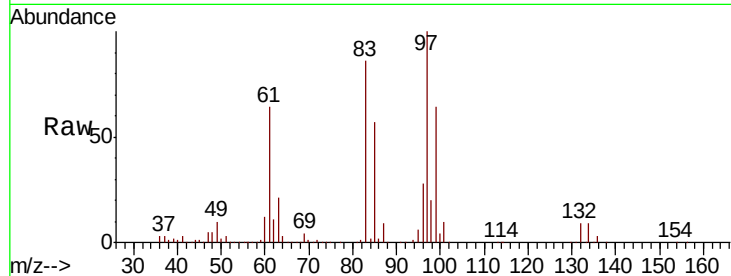
#55
 1,1,2-Trichloroethane
 Concen: 48.438 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108865		
83	86.4	66.4	99.6		
85	57.2	43.3	64.9		
99	63.9	49.0	73.4		

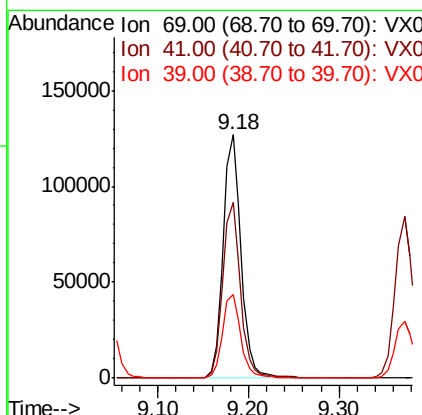
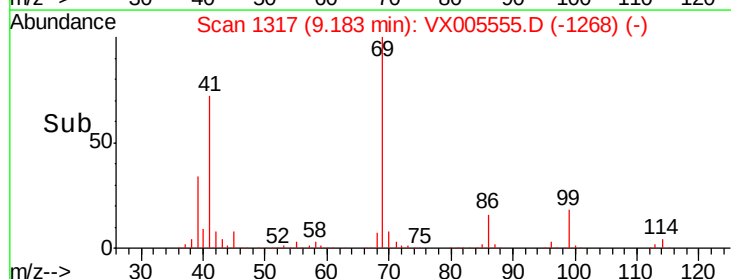
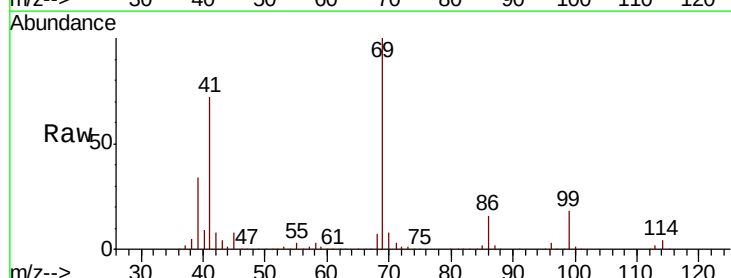
Manual Integrations
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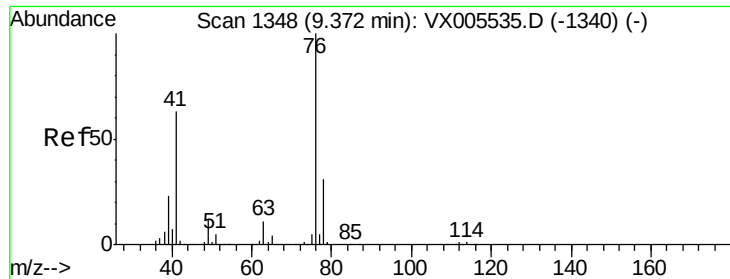
MMDadoda
 10/26/2018 11:53:45 AM



#56
 Ethyl methacrylate
 Concen: 52.043 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		174465		
41	71.8	51.0	76.4		
39	35.1	26.1	39.1		





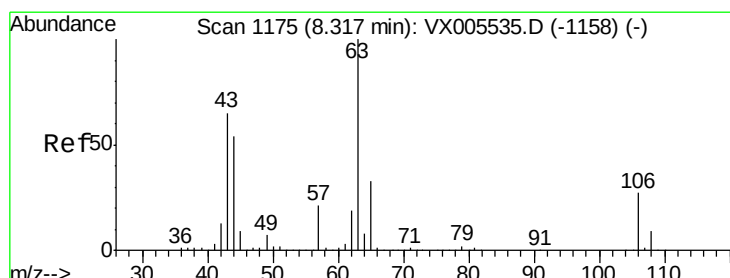
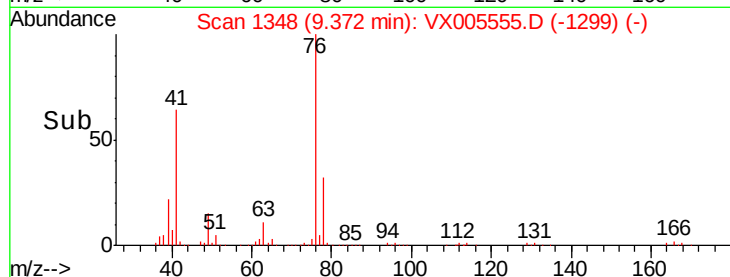
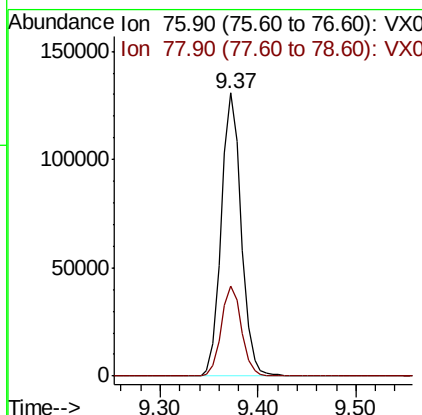
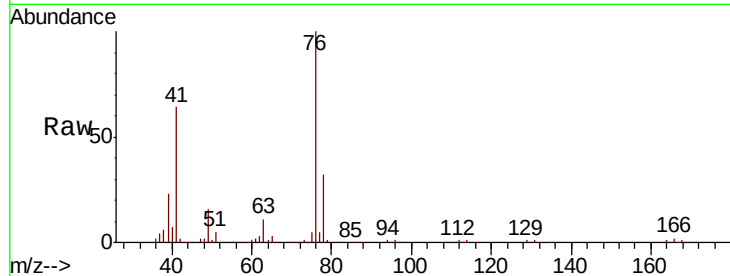
#57
 1,3-Dichloropropane
 Concen: 48.737 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

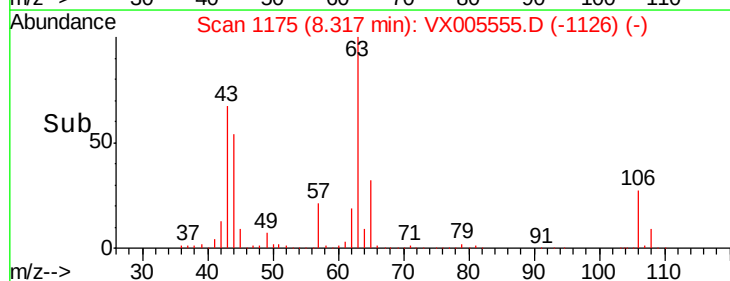
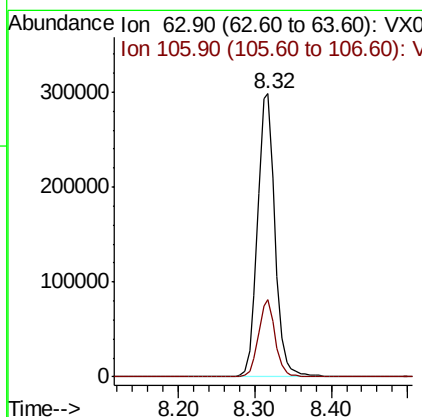
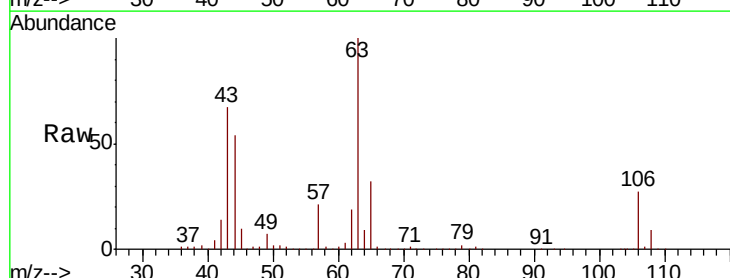
Manual Integrations
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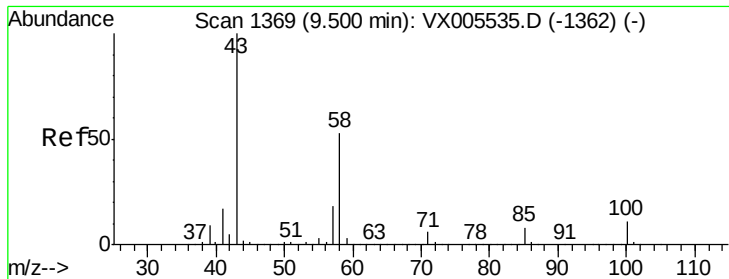
MMDadoda
 10/26/2018 11:53:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.797 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	23.9	35.9





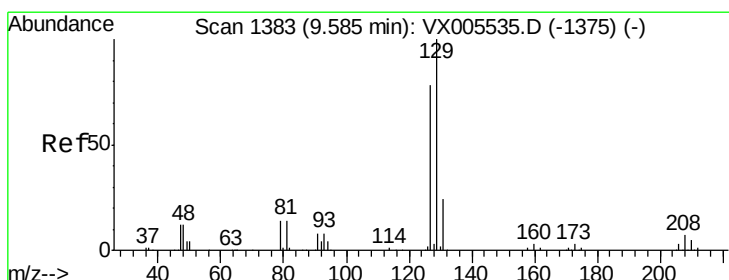
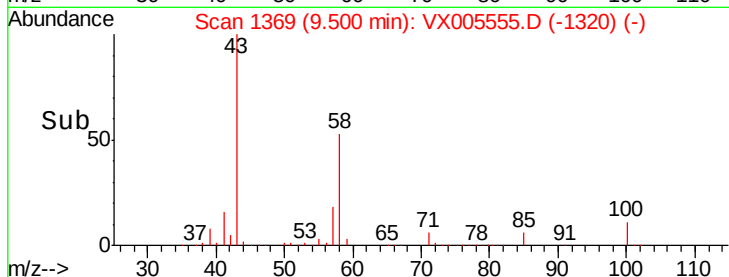
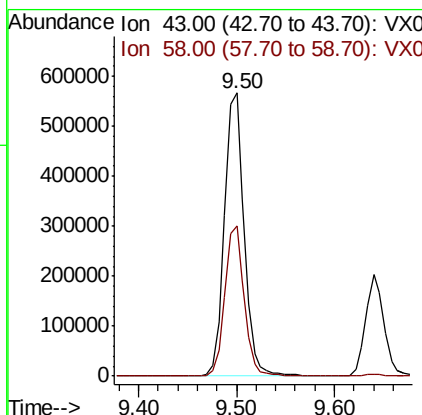
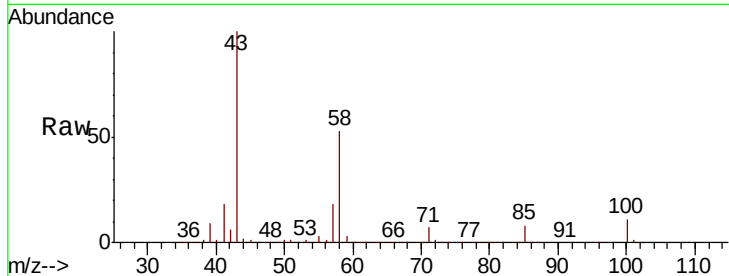
#59
2-Hexanone
Concen: 255.926 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	29.0	87.0

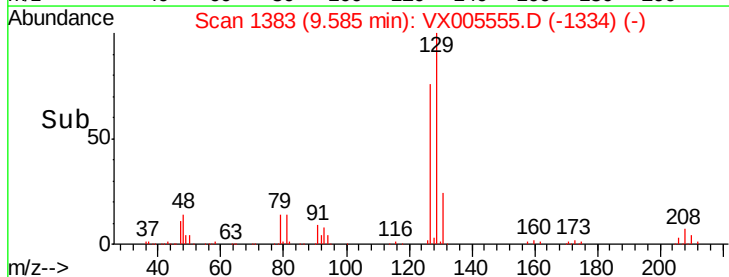
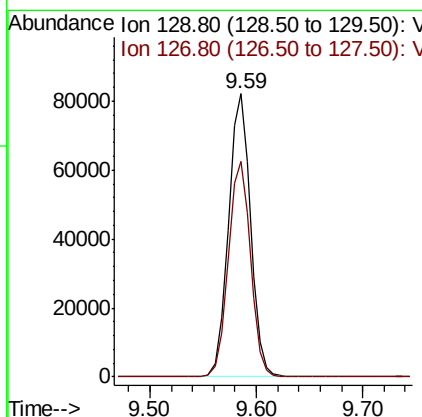
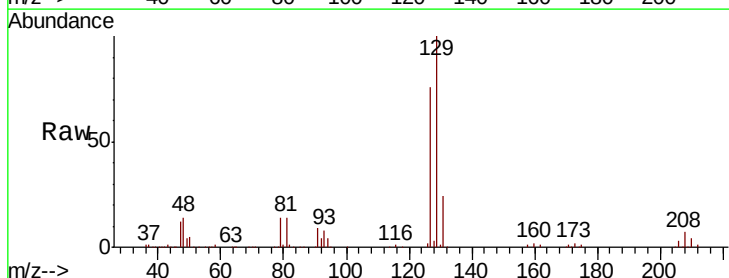
Manual Integrations
APPROVED

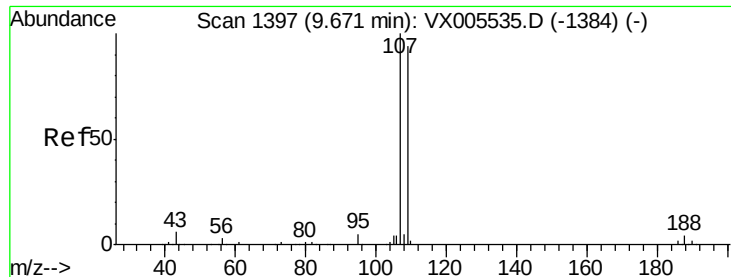
MMDadoda
10/26/2018 11:53:45 AM



#60
Dibromochloromethane
Concen: 50.824 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5





#61

1,2-Dibromoethane

Concen: 49.725 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 115618

Ion Ratio Lower Upper

107 100

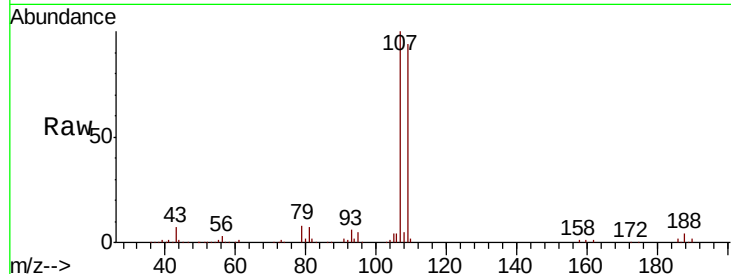
109 95.0 76.0 114.0

Manual Integrations

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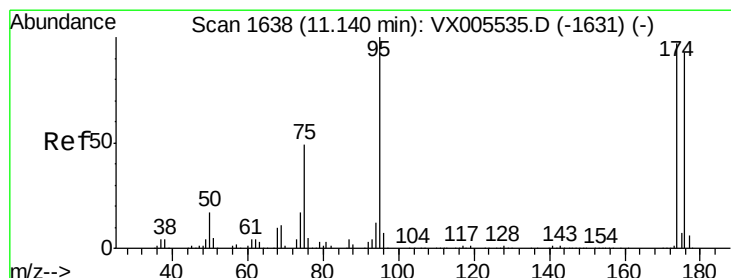
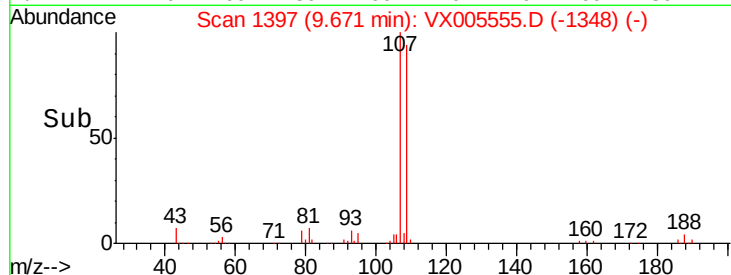
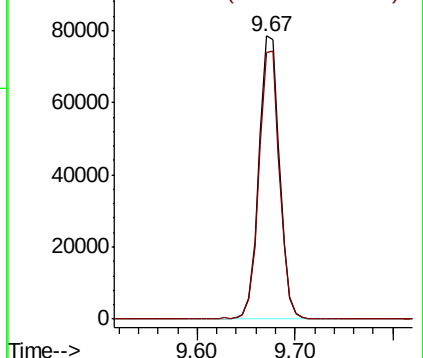
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.143 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

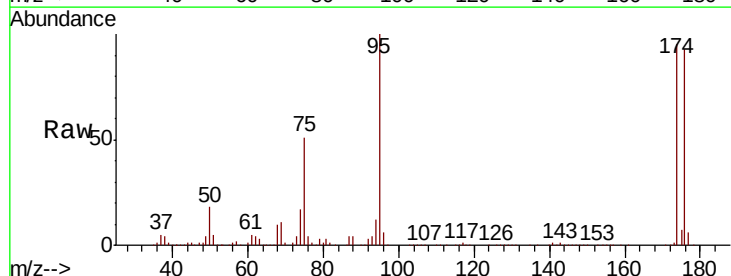
Tgt Ion: 95 Resp: 145266

Ion Ratio Lower Upper

95 100

174 91.3 0.0 185.2

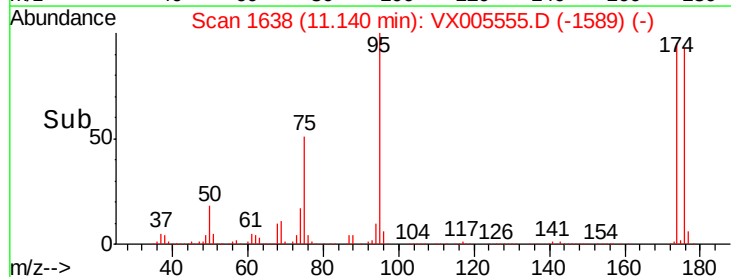
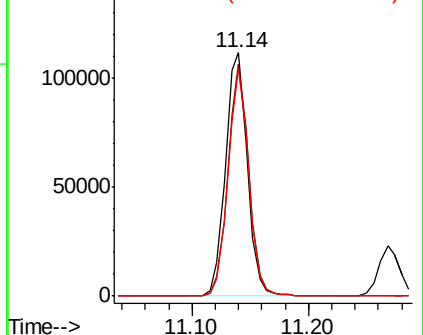
176 88.8 0.0 178.6

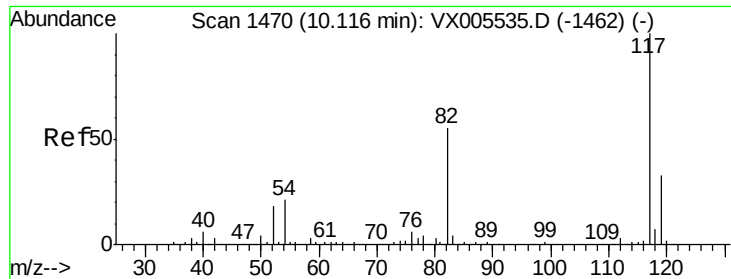


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





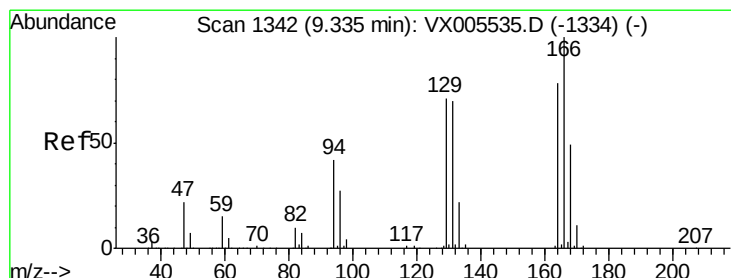
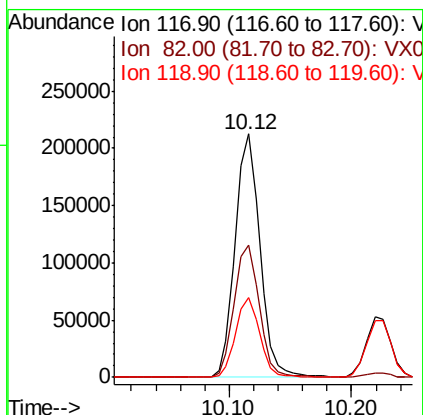
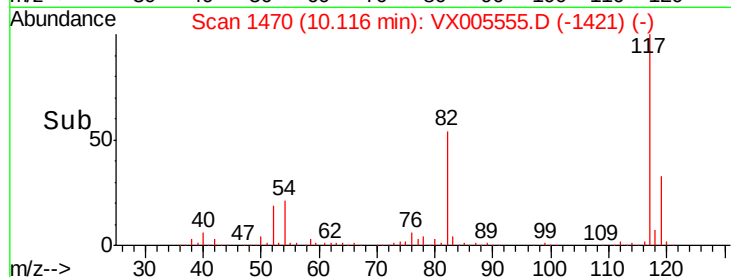
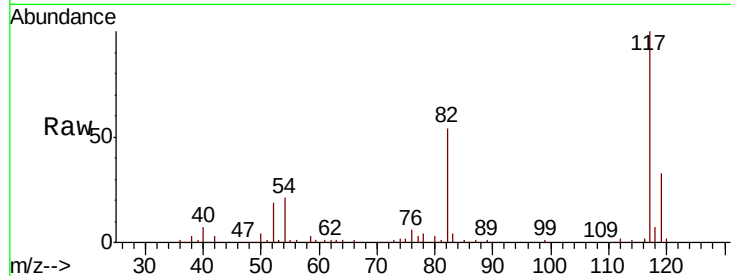
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	47.8	71.6
119	32.6	29.3	43.9

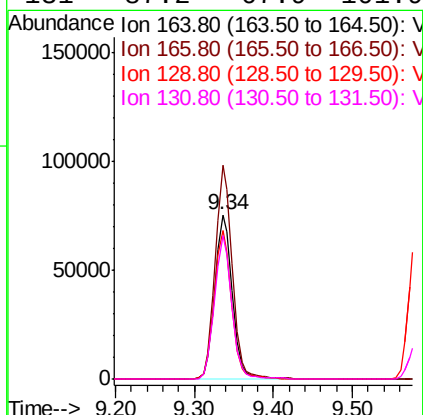
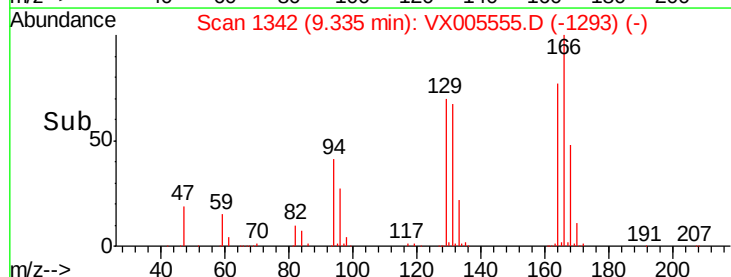
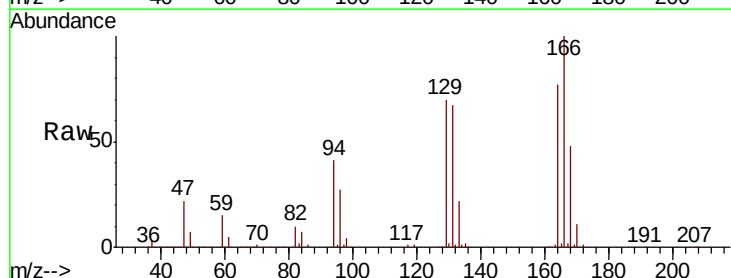
Manual Integrations
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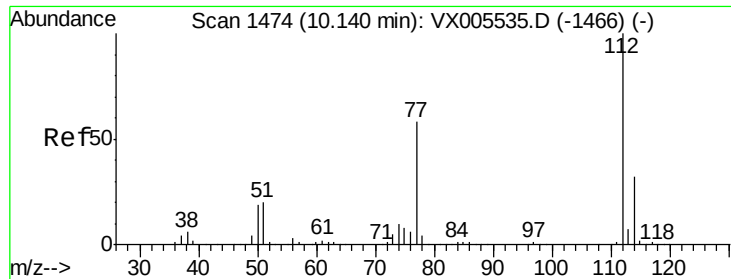
MMDadoda
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#64
Tetrachloroethene
Concen: 47.107 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.8	154.2
129	90.4	69.4	104.0
131	87.2	67.9	101.9





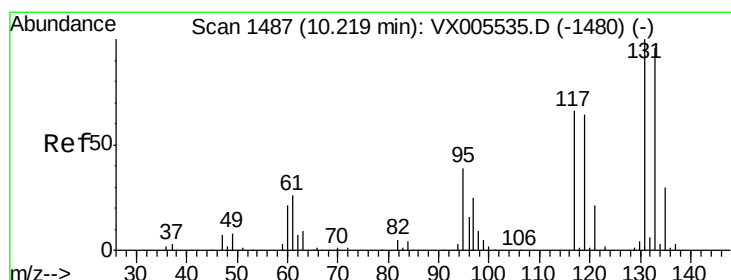
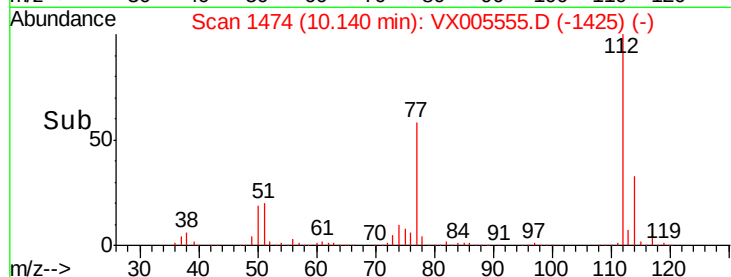
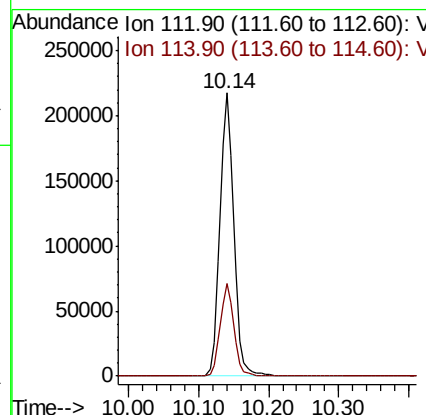
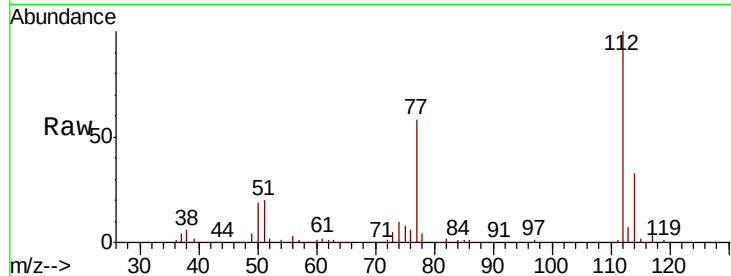
#65
Chlorobenzene
Concen: 47.462 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	27.8	41.8

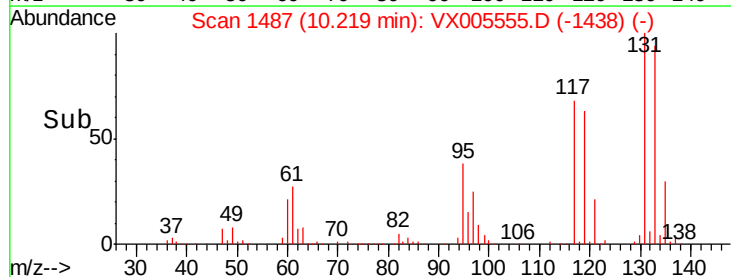
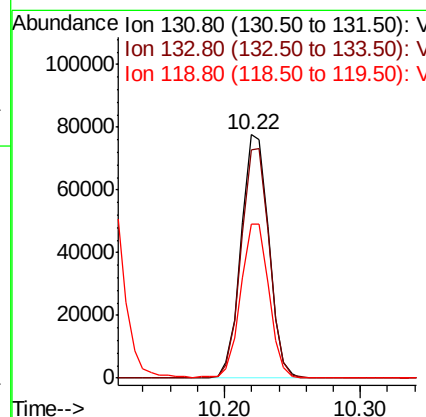
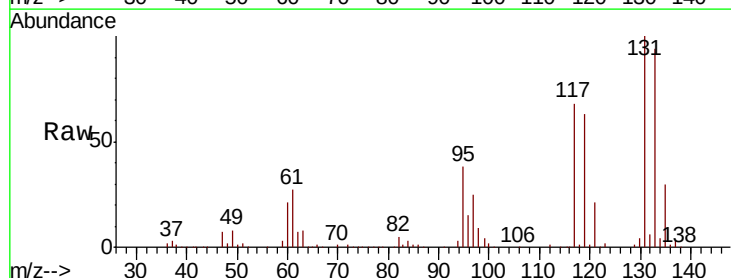
Manual Integrations
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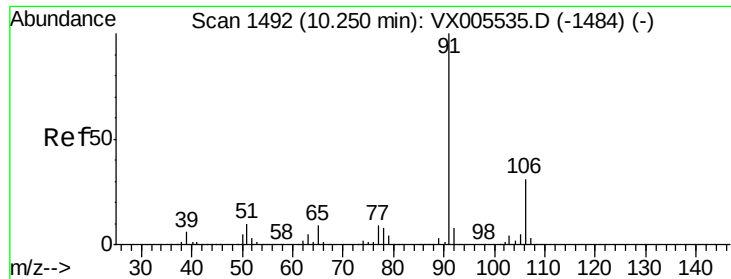
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.718 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.1	144.4
119	64.2	32.9	98.6





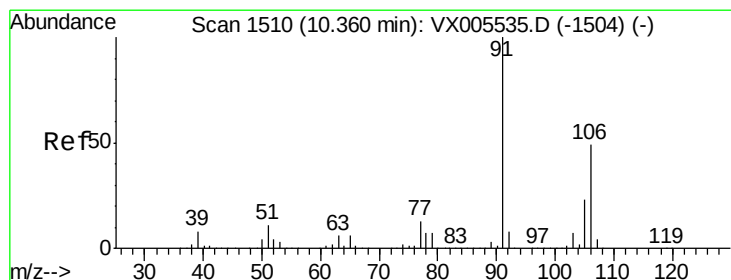
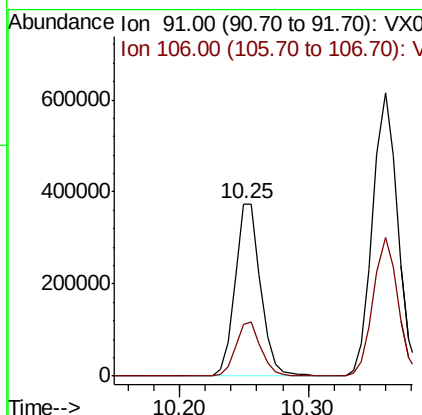
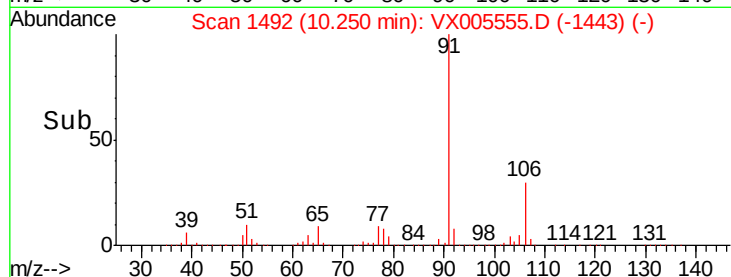
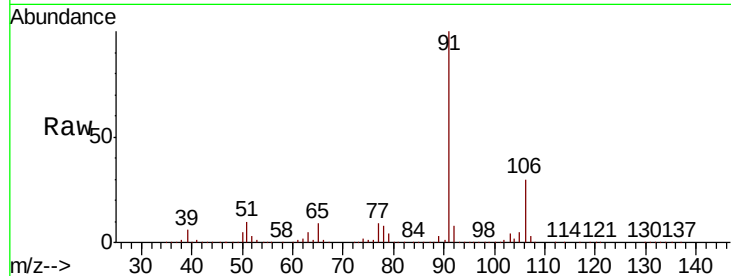
#67
Ethyl Benzene
Concen: 49.915 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 521129
Ion Ratio Lower Upper
91 100
106 30.1 25.9 38.9

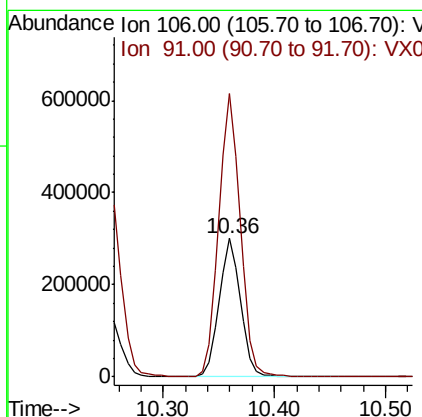
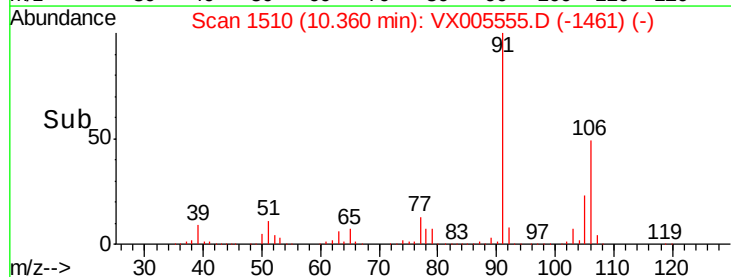
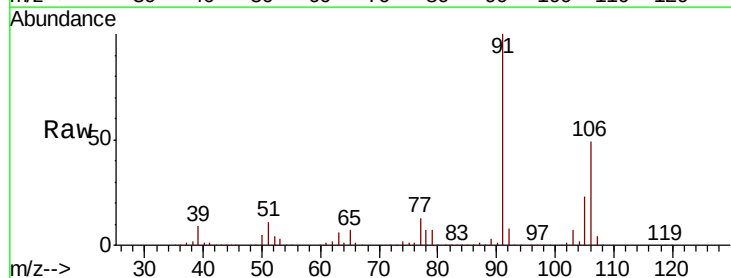
Manual Integrations
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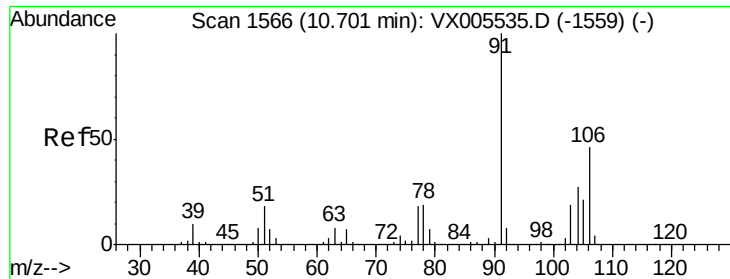
MMDadoda
10/26/2018 11:53:45 AM



#68
m/p-Xylenes
Concen: 99.224 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion: 106 Resp: 401913
Ion Ratio Lower Upper
106 100
91 206.6 157.1 235.7





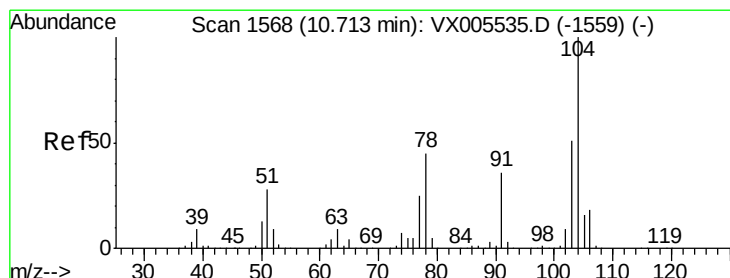
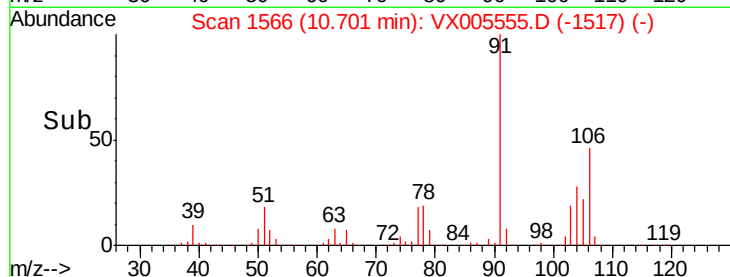
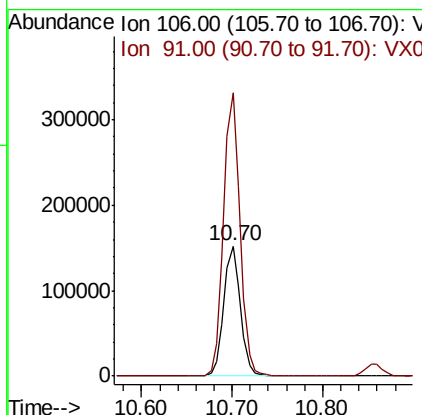
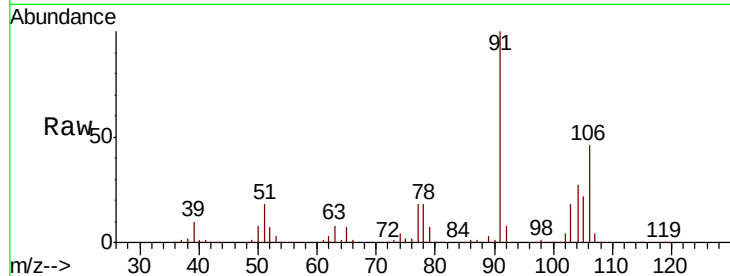
#69
o-Xylene
Concen: 50.751 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.9	105.1	315.1

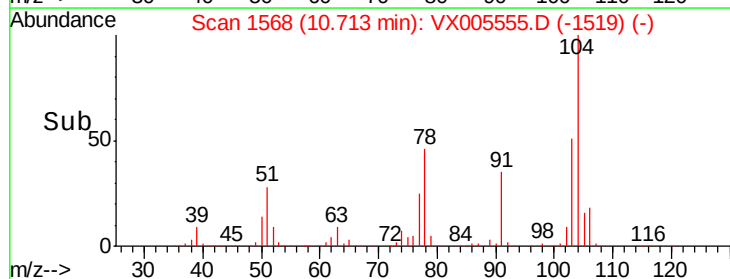
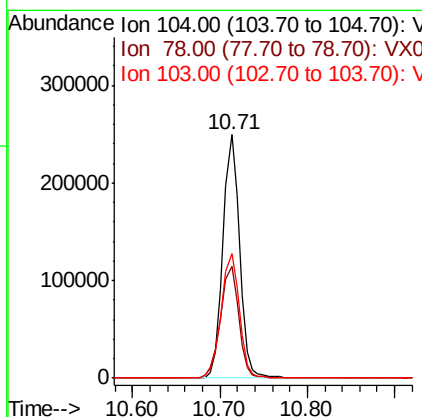
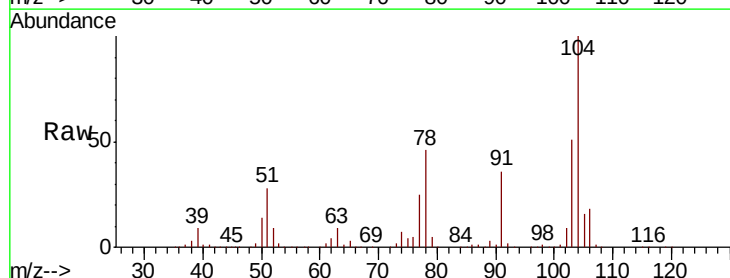
Manual Integrations
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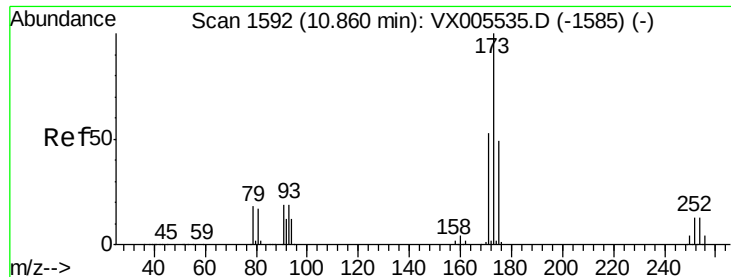
MMDadoda
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#70
Styrene
Concen: 51.208 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	37.4	56.0
103	56.1	43.8	65.6





#71

Bromoform

Concen: 48.373 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

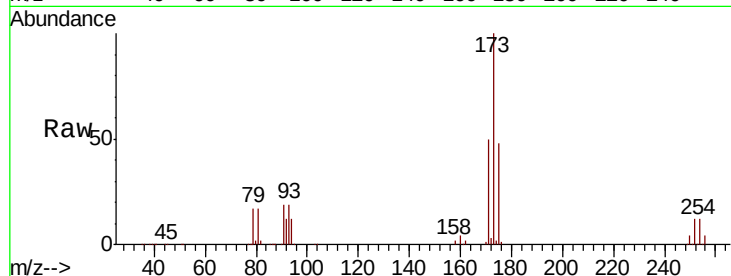
ClientSampleId :

VSTDCCC050EC

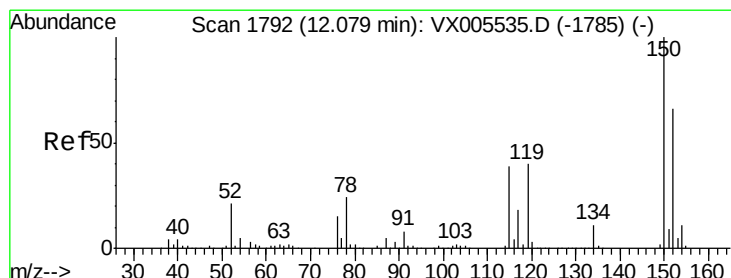
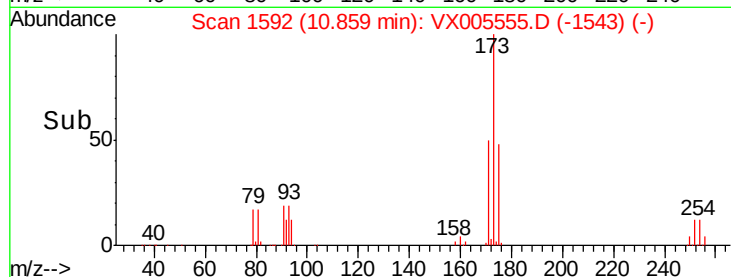
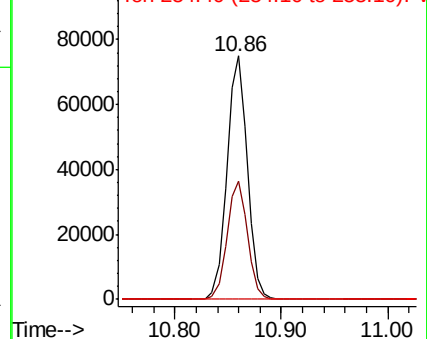
Tot Ion:	173	Resp:	99875
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

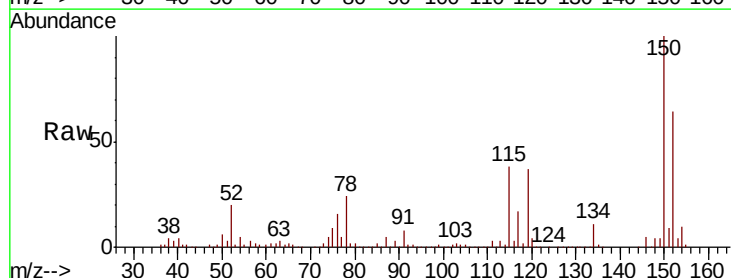
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

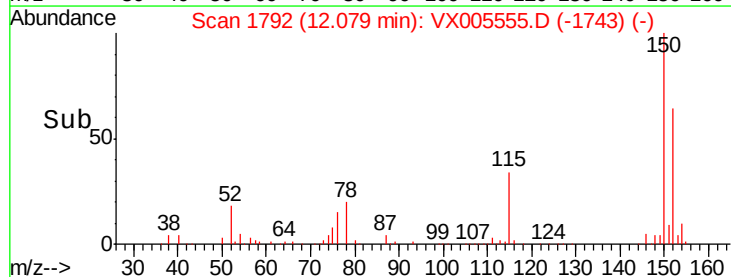
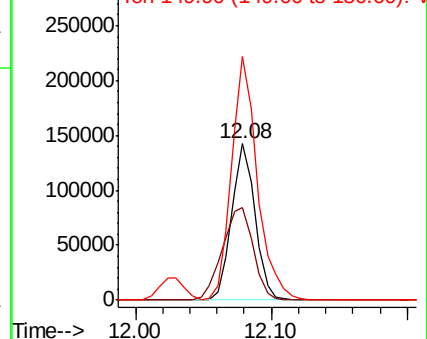
Lab File: VX005555.D

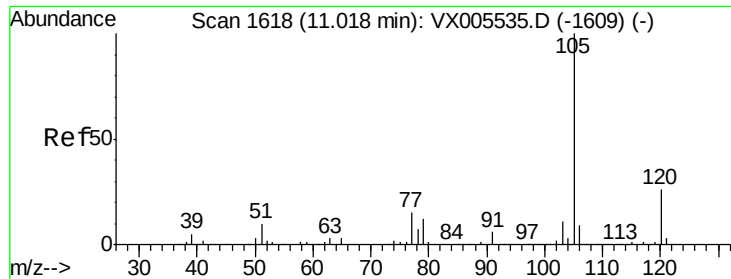
Acq: 24 Oct 2018 21:25

Tgt Ion:	152	Resp:	168887
Ion Ratio	Lower	Upper	
152	100		
115	77.8	39.0	117.0
150	172.5	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: 51.797 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 534744

Ion Ratio Lower Upper

105 100

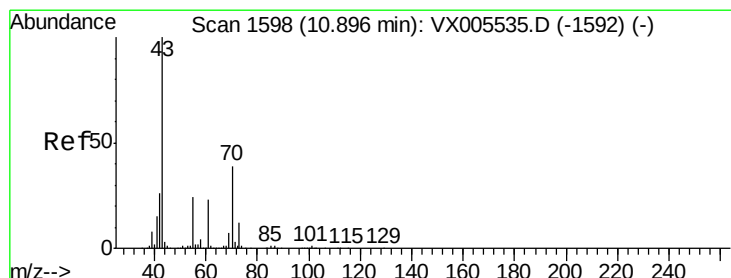
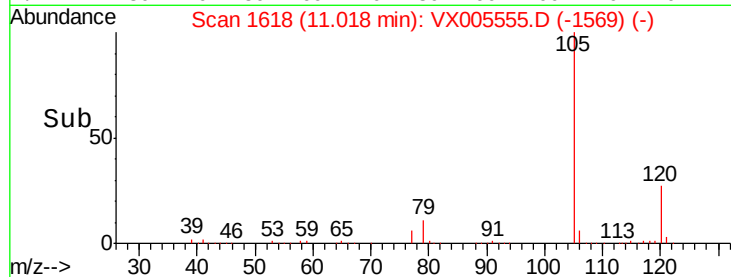
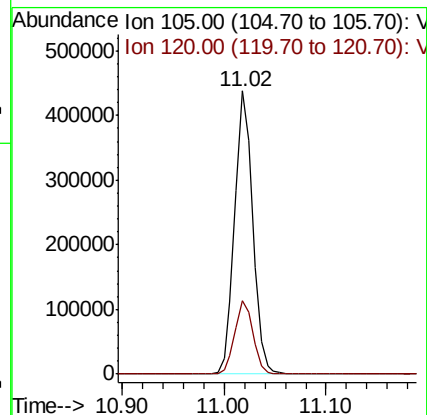
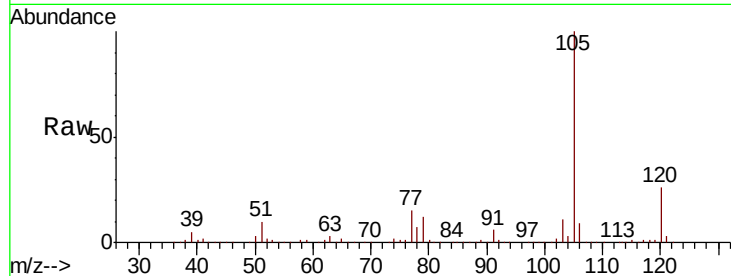
120 26.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.506 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Tgt Ion: 43 Resp: 263477

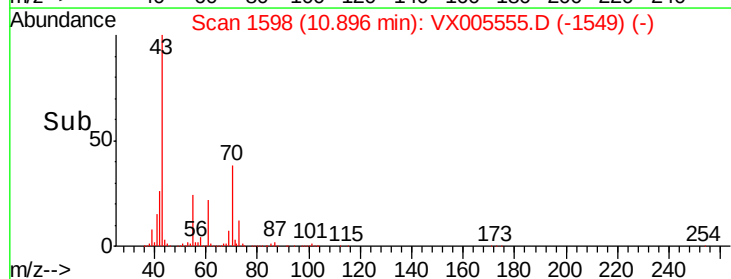
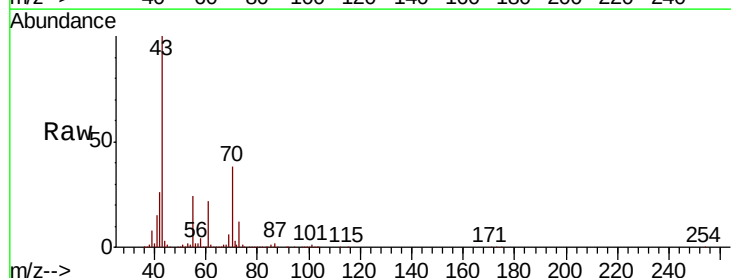
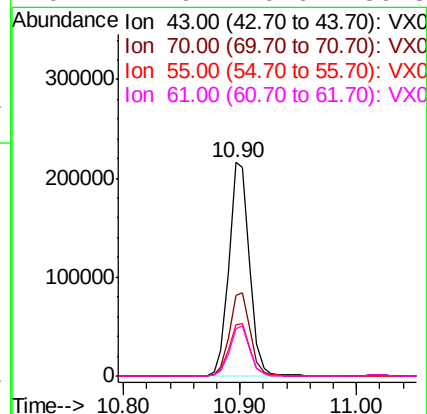
Ion Ratio Lower Upper

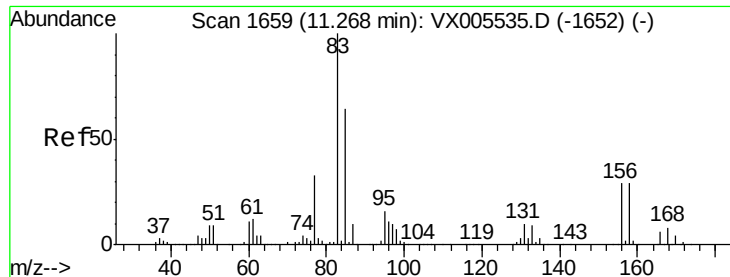
43 100

70 39.4 37.4 56.0

55 24.9 21.8 32.8

61 22.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.653 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

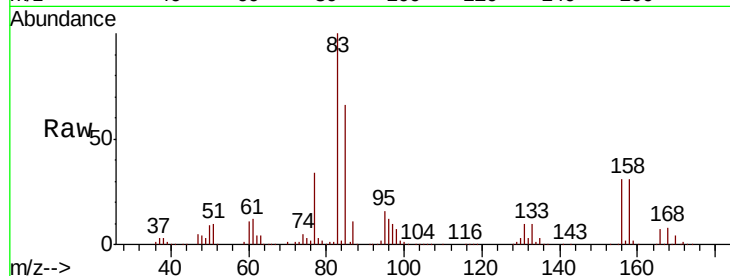
ClientSampleId :

VSTDCCC050EC

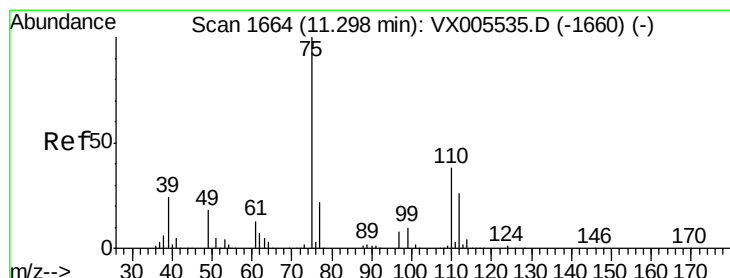
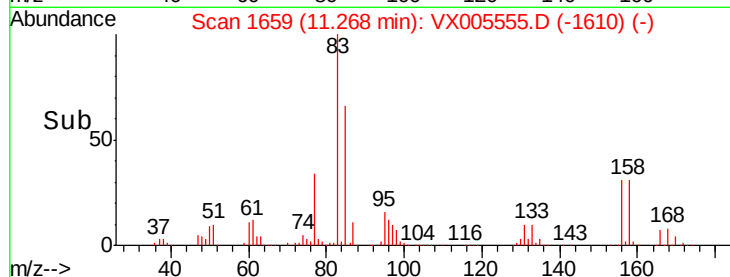
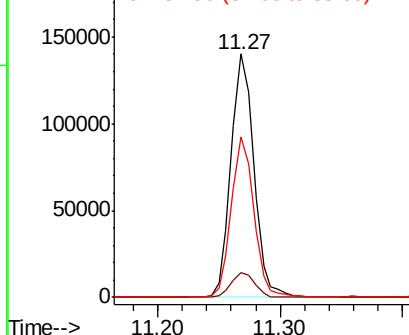
Tot Ion:	83	Resp:	181497
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	65.1	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.829 ug/l m

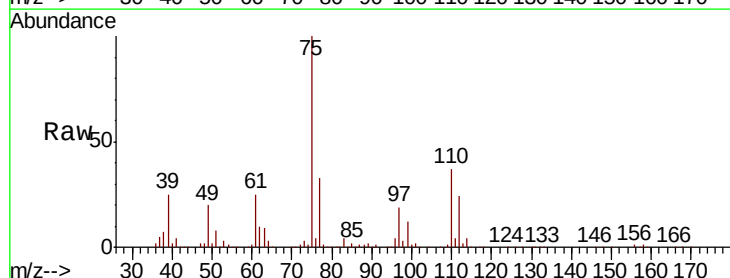
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

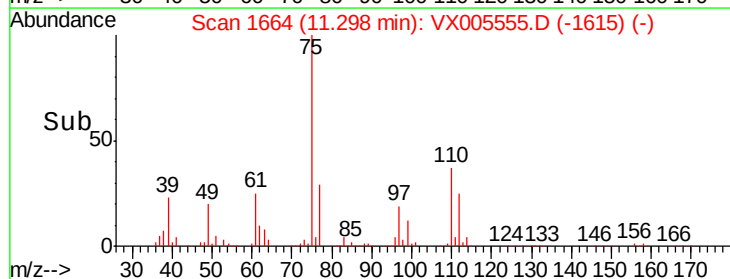
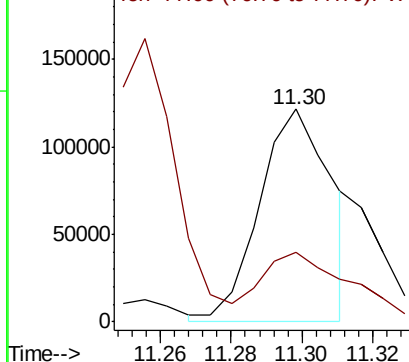
Lab File: VX005555.D

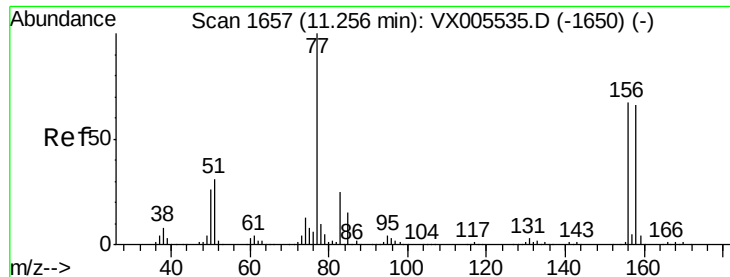
Acq: 24 Oct 2018 21:25

Tgt Ion:	75	Resp:	171413
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.595 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

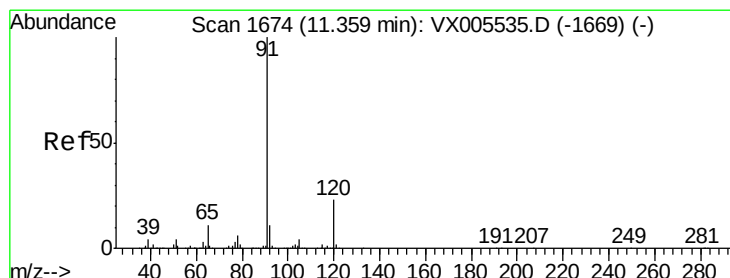
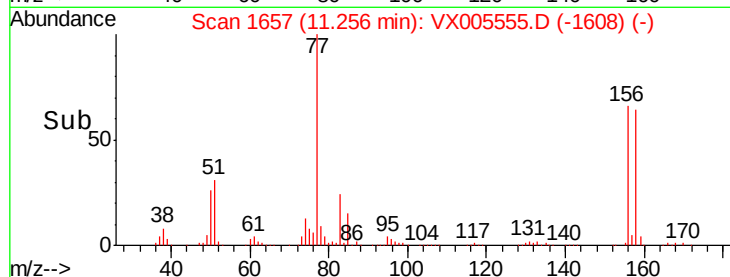
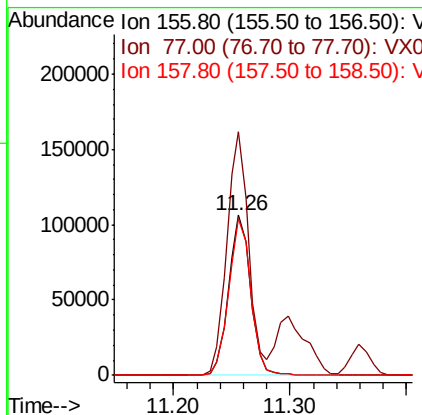
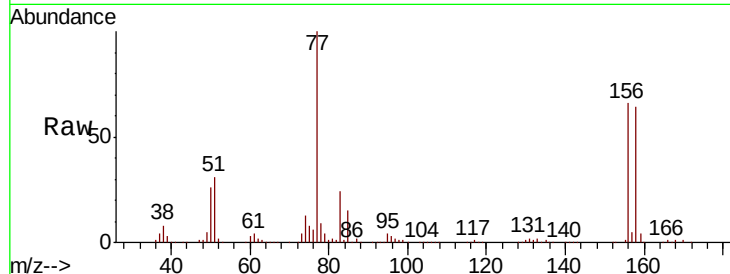
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		139814		
77	150.1	71.5	214.3		
158	97.9	48.9	146.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 52.192 ug/l

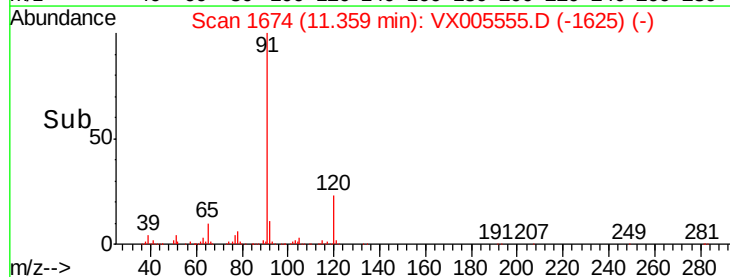
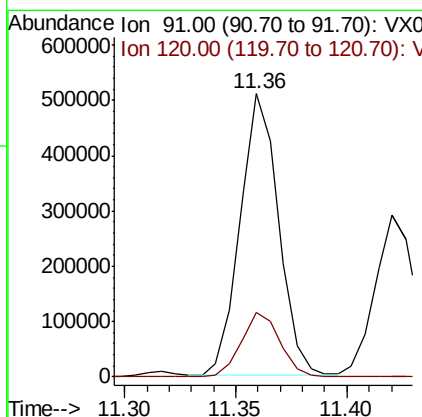
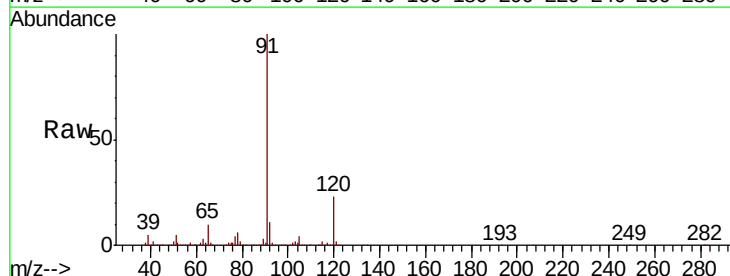
RT: 11.36 min Scan# 1674

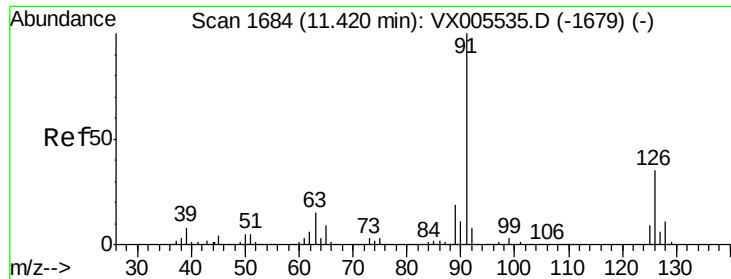
Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		616119		
120	23.3	11.9	35.9		





#79

2-Chlorotoluene

Concen: 49.325 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 361027

Ion Ratio Lower Upper

91 100

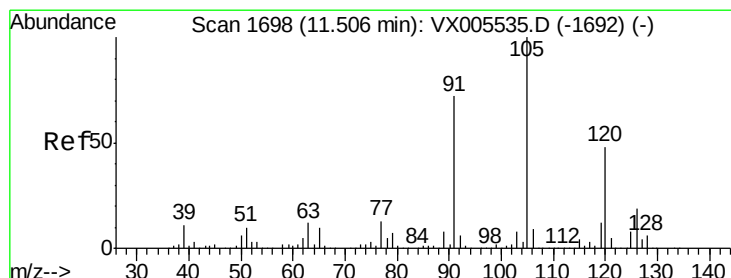
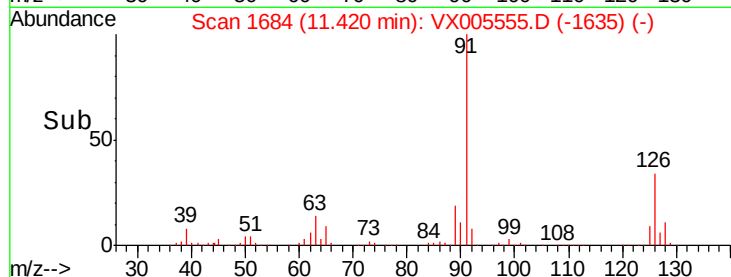
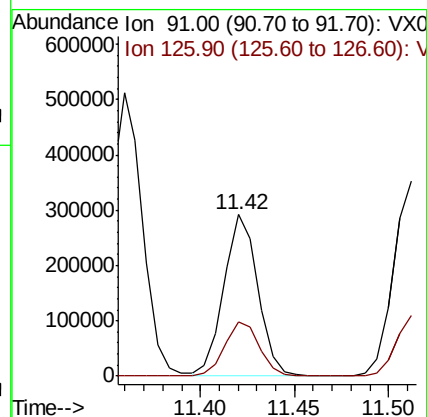
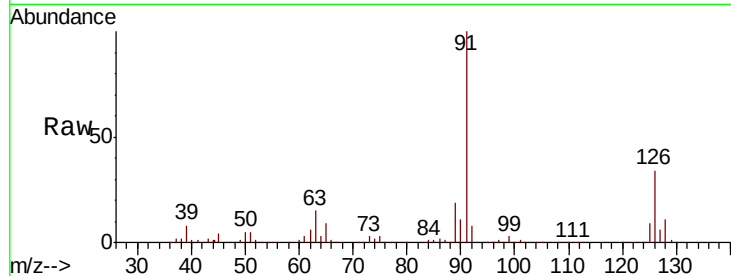
126 34.8 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.866 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005555.D

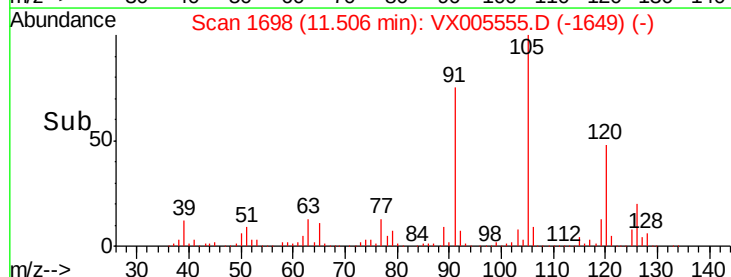
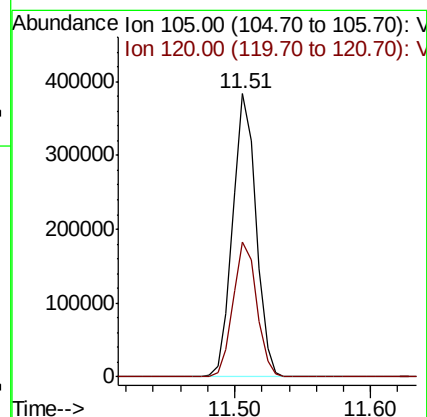
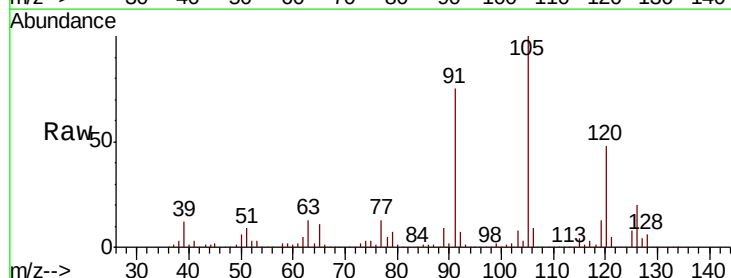
Acq: 24 Oct 2018 21:25

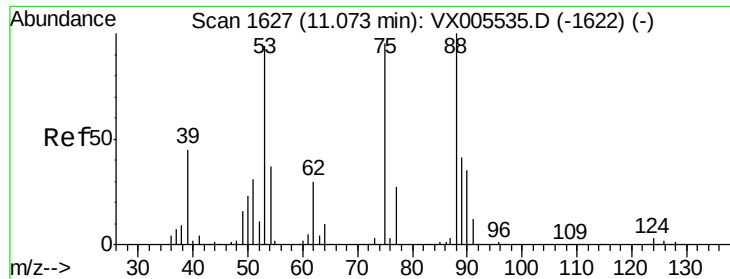
Tgt Ion: 105 Resp: 458058

Ion Ratio Lower Upper

105 100

120 48.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.927 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 52486

Ion Ratio Lower Upper

75 100

53 100.1 80.1 120.1

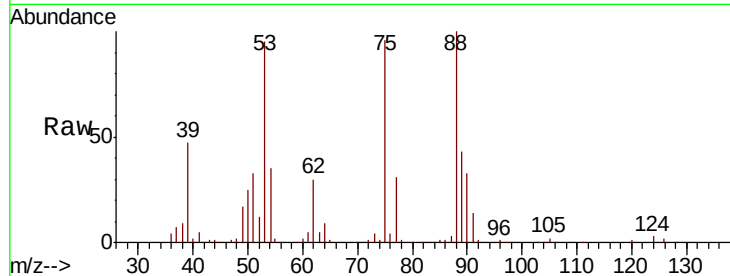
89 45.8 37.2 55.8

Manual Integrations

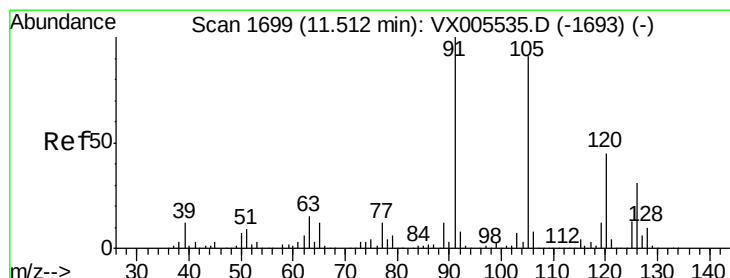
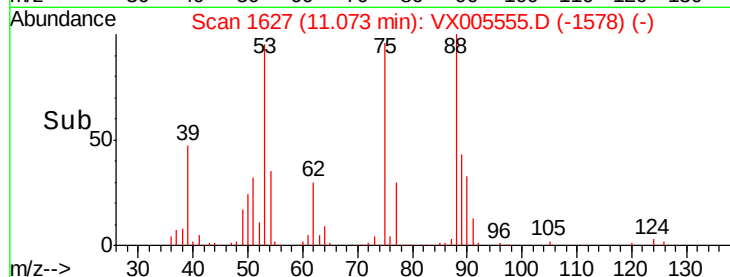
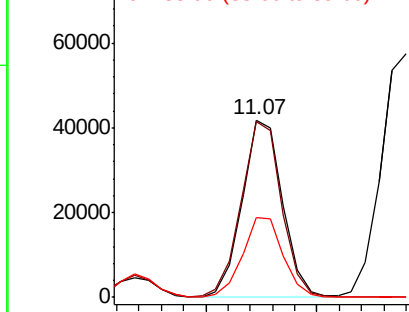
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.282 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005555.D

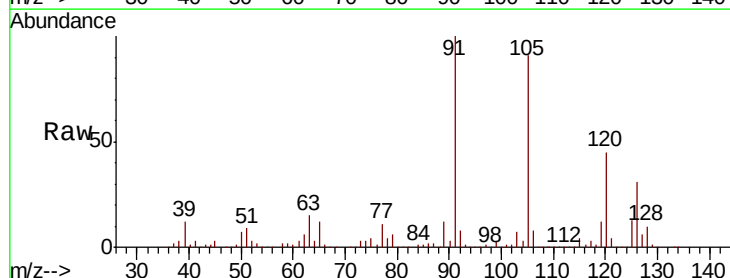
Acq: 24 Oct 2018 21:25

Tgt Ion: 91 Resp: 433970

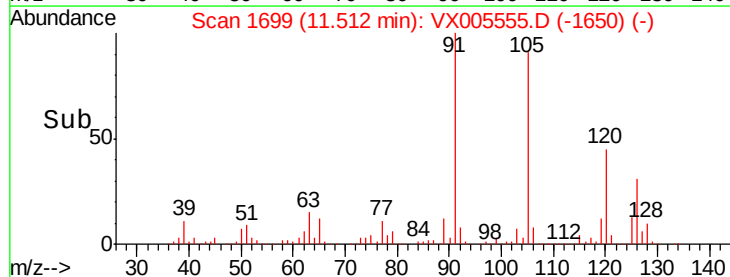
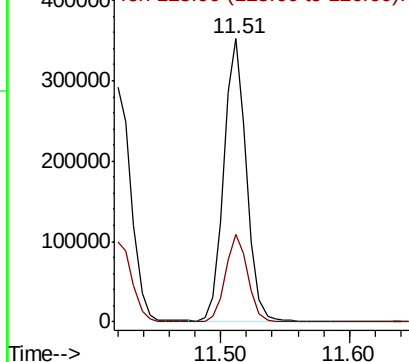
Ion Ratio Lower Upper

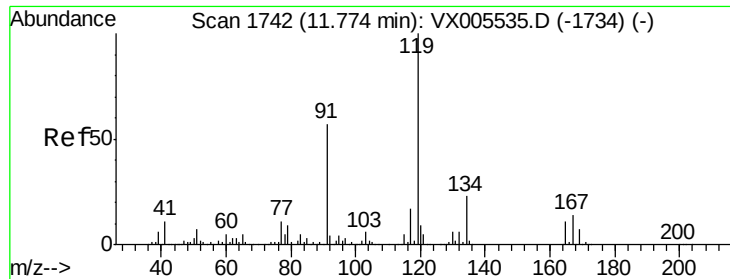
91 100

126 30.6 15.5 46.5



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





#83

tert-Butylbenzene

Concen: 51.072 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

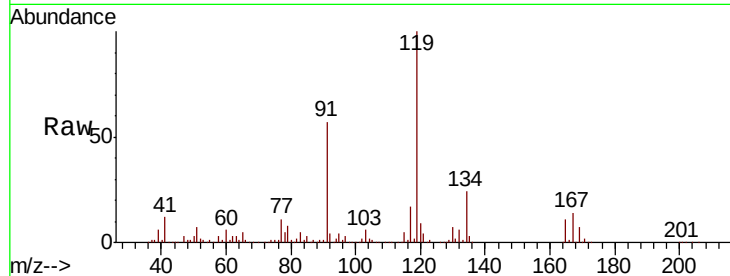
ClientSampleId :

VSTDCCC050EC

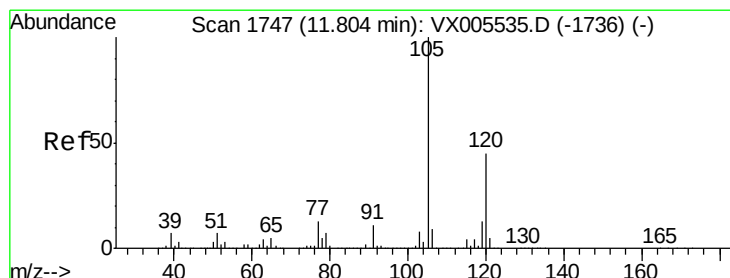
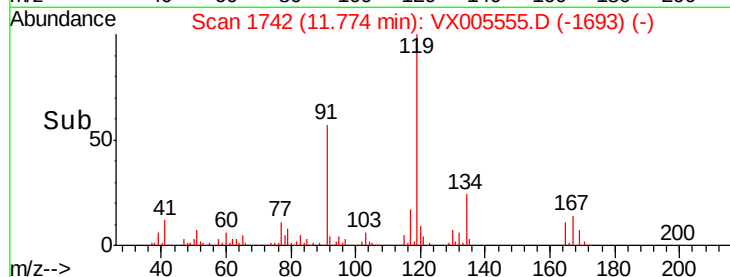
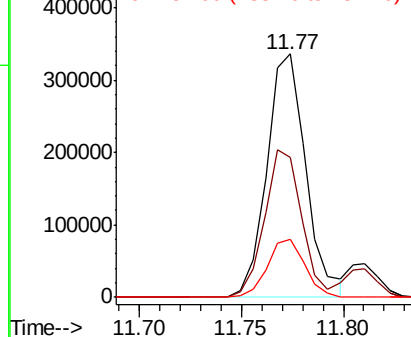
Tot Ion:	119	Resp:	449603
Ion Ratio	Lower	Upper	
119	100		
91	57.5	27.0	81.0
134	22.7	11.7	35.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.488 ug/l

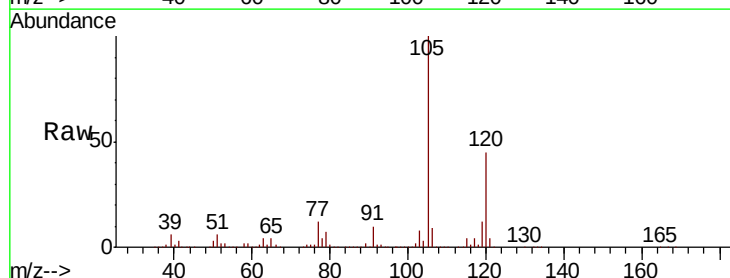
RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

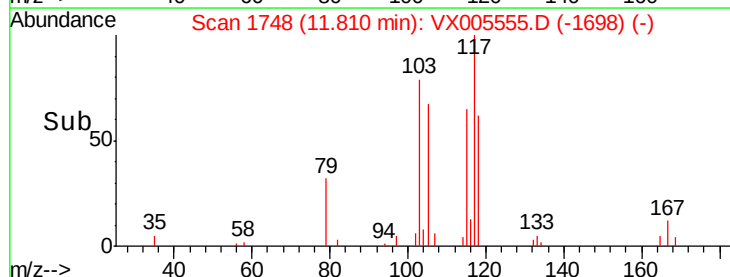
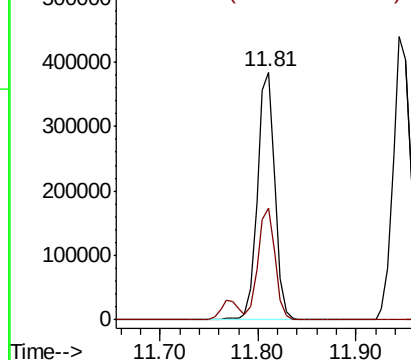
Lab File: VX005555.D

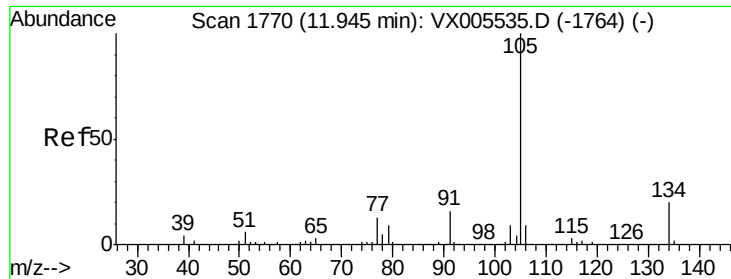
Acq: 24 Oct 2018 21:25

Tgt Ion:	105	Resp:	469800
Ion Ratio	Lower	Upper	
105	100		
120	44.4	23.2	69.6



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





#85

sec-Butylbenzene

Concen: 51.635 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 542394

Ion Ratio Lower Upper

105 100

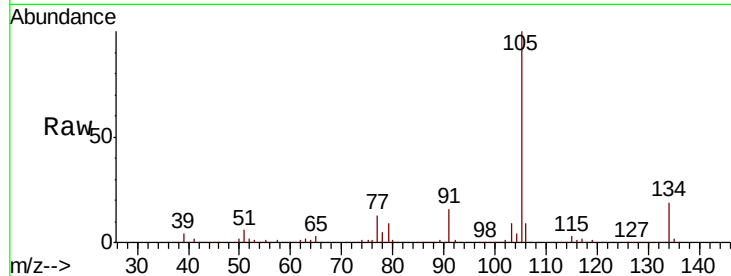
134 20.2 10.5 31.5

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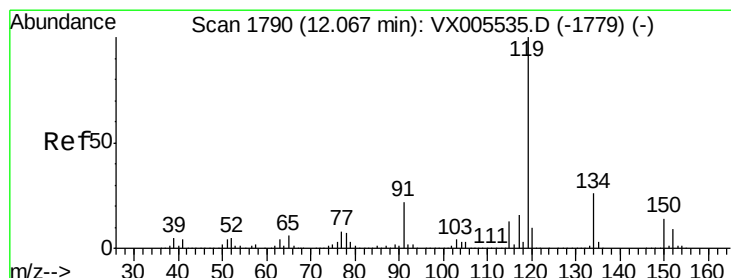
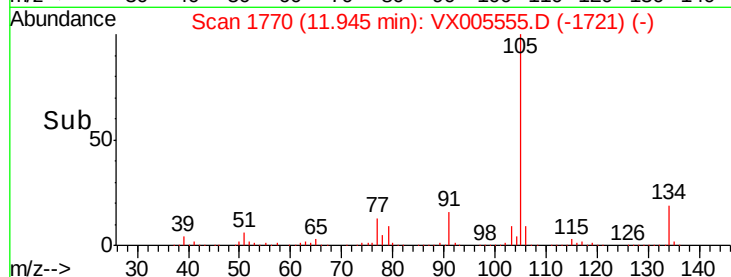
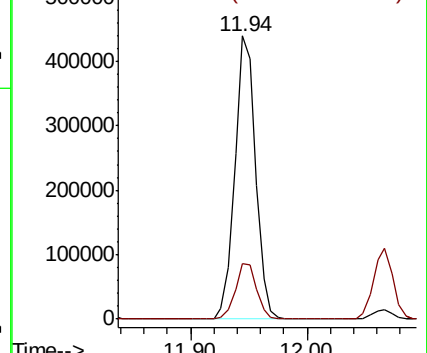
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.084 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

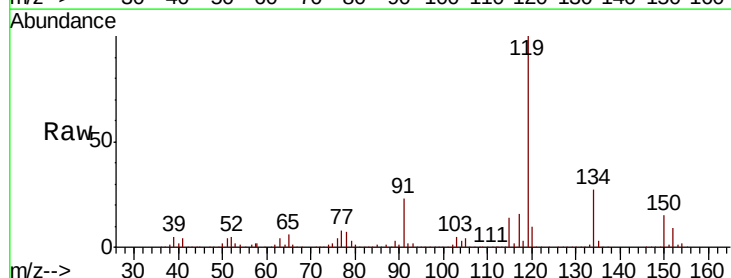
Tgt Ion:119 Resp: 489090

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

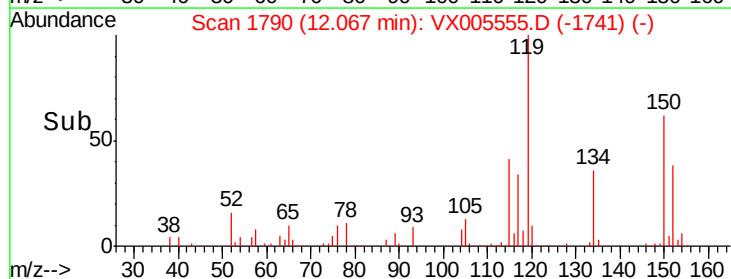
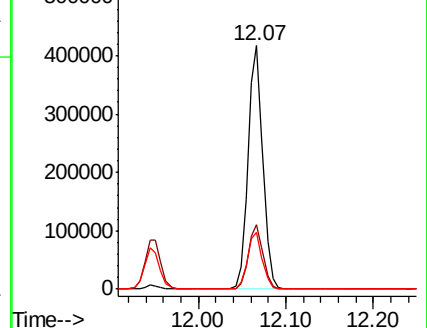
91 23.5 10.9 32.7

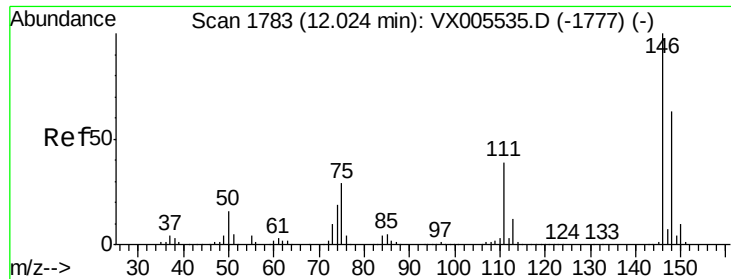


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





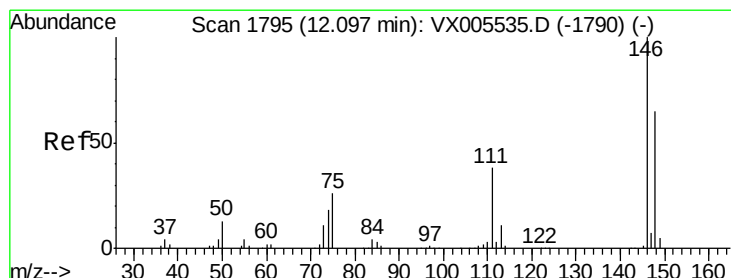
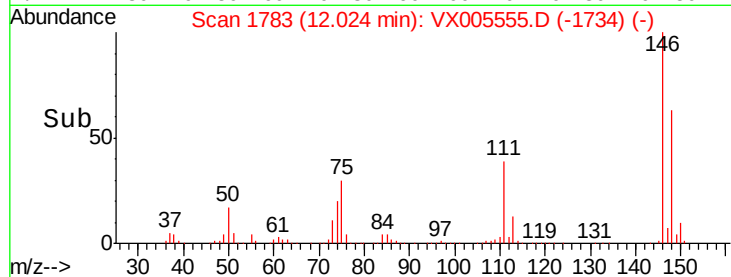
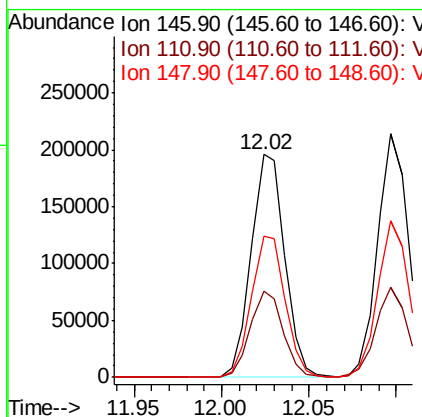
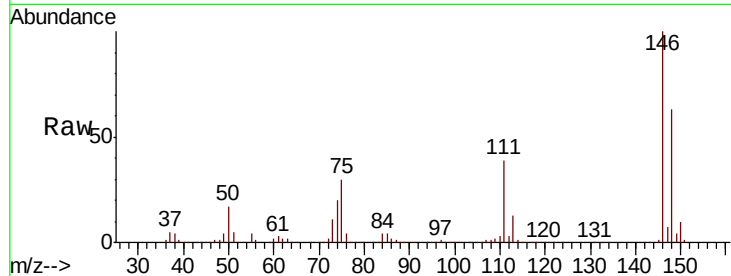
#87
 1,3-Dichlorobenzene
 Concen: 48.438 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	63.7	32.1	96.5

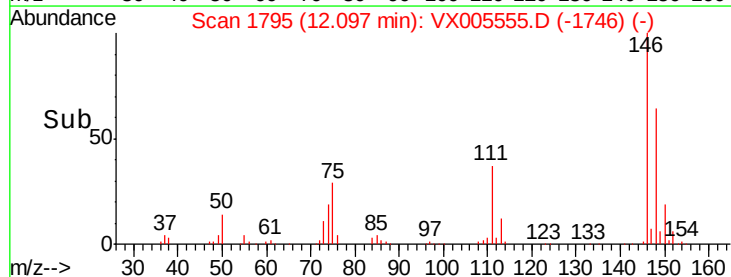
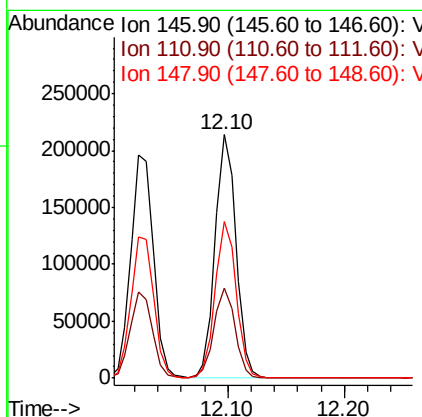
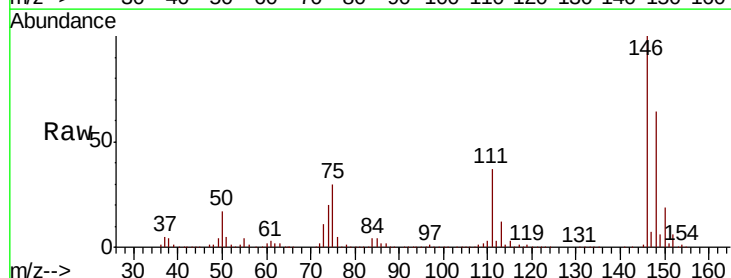
Manual Integrations
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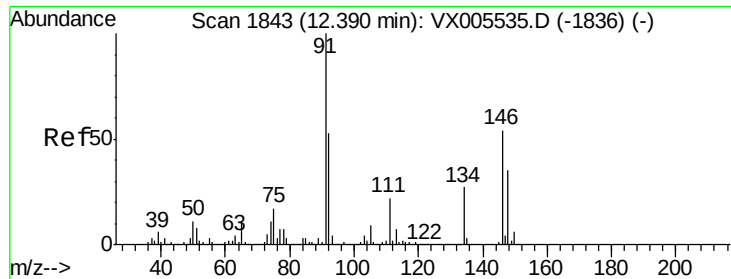
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#88
 1,4-Dichlorobenzene
 Concen: 46.662 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.8	32.0	96.0





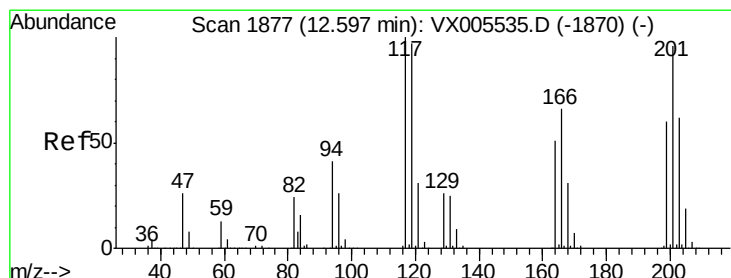
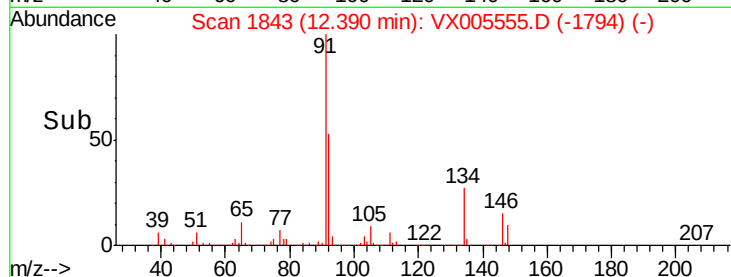
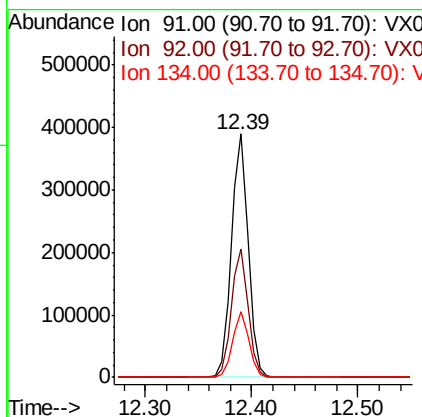
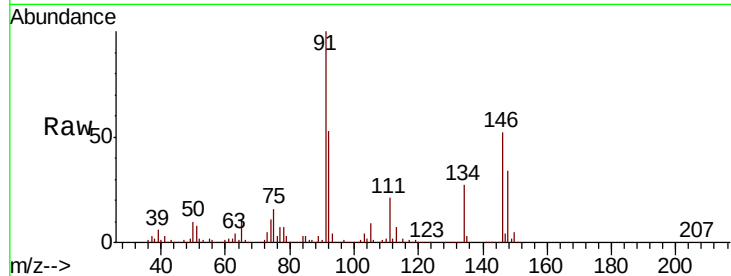
#89
n-Butylbenzene
Concen: 51.142 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.3	81.9
134	26.3	13.6	40.7

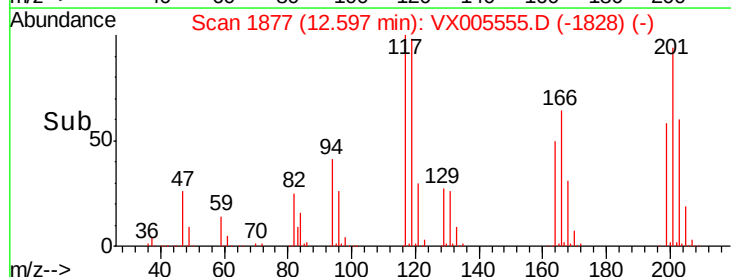
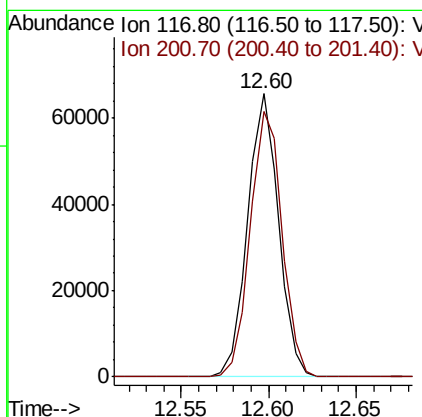
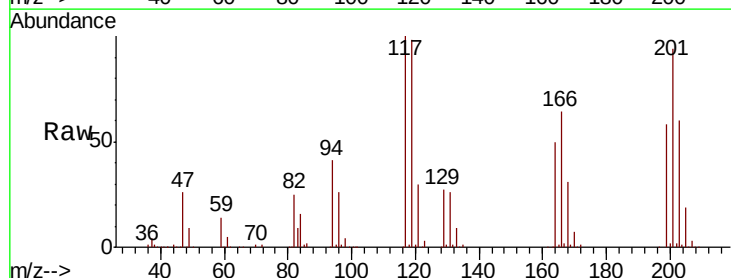
Manual Integrations
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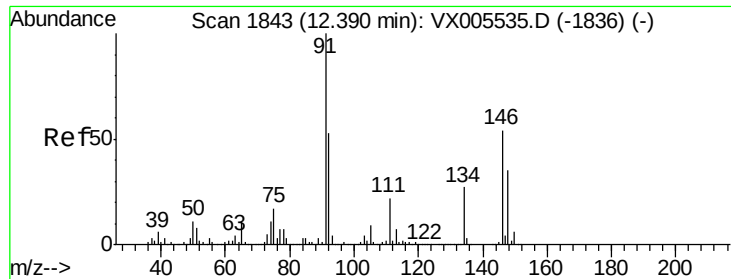
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#90
Hexachloroethane
Concen: 49.735 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005555.D
Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.6	46.9	140.6





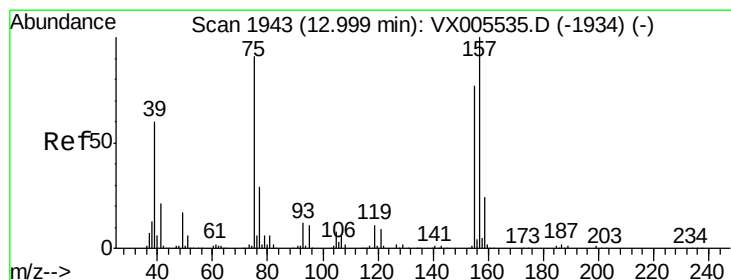
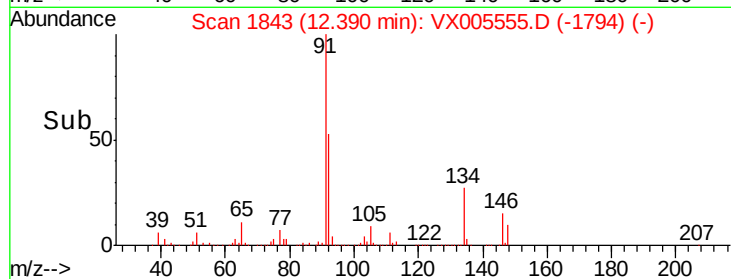
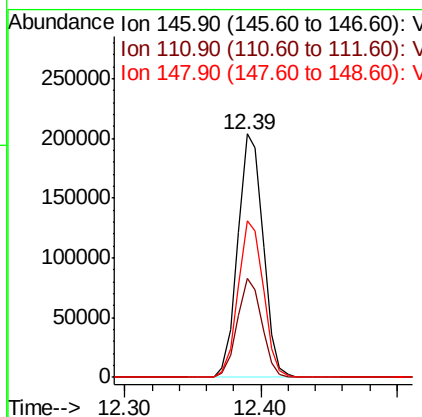
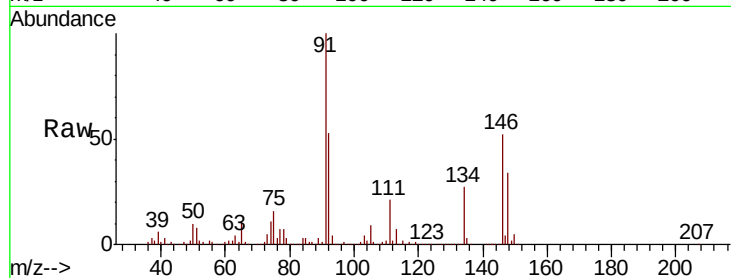
#91
 1,2-Dichlorobenzene
 Concen: 48.205 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.1
148	64.1	32.8	98.3

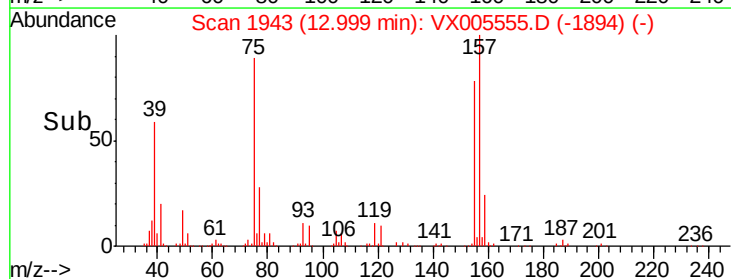
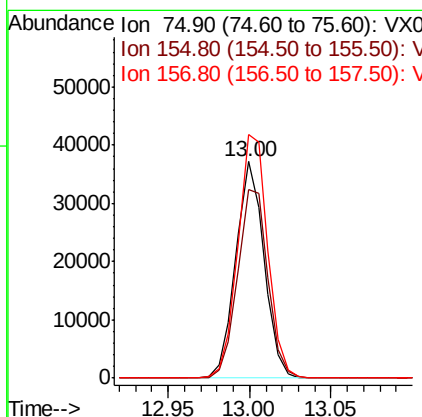
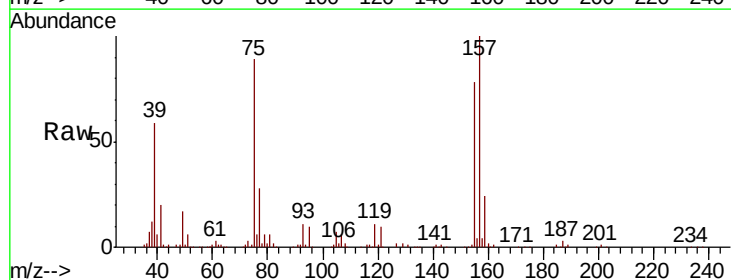
Manual Integrations
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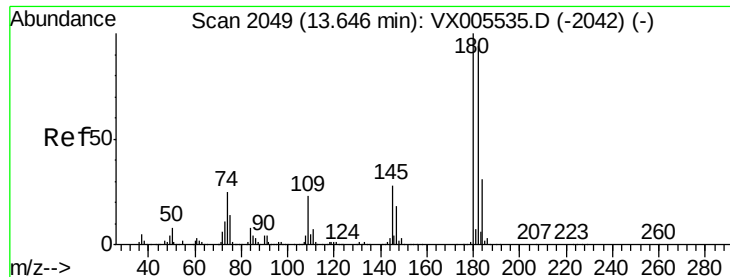
MMDadoda
 10/26/2018 11:53:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.937 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	48.0	144.2
157	117.9	61.4	184.1





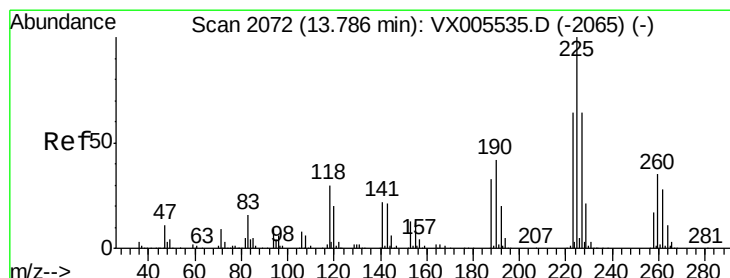
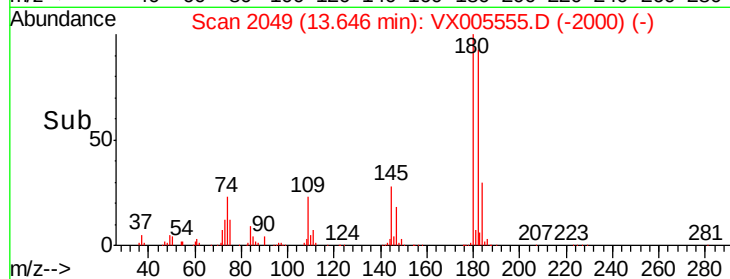
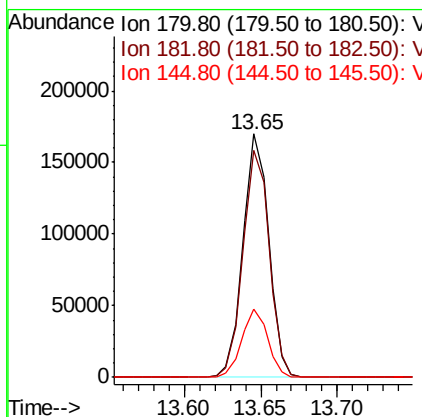
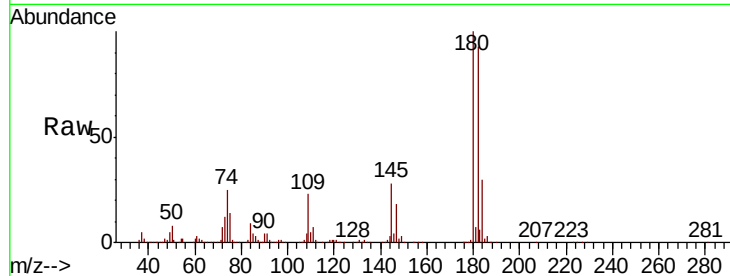
#93
 1,2,4-Trichlorobenzene
 Concen: 50.173 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199086		
182	95.1	48.4	145.0	
145	28.1	14.3	42.9	

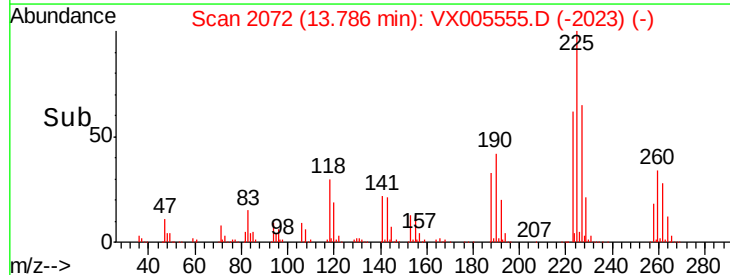
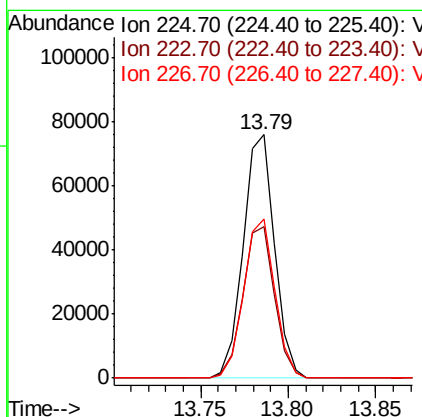
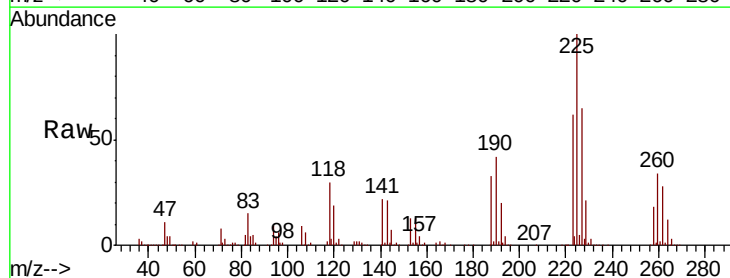
Manual Integrations
 APPROVED

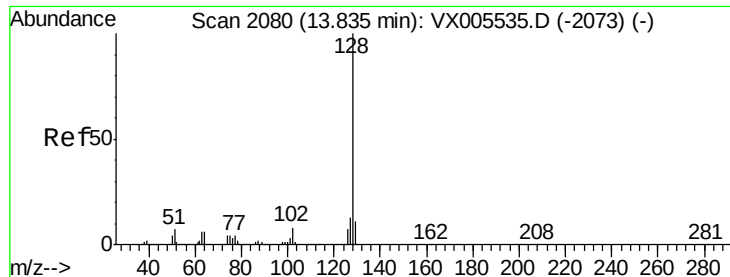
MMDadoda
 10/26/2018 11:53:45 AM



#94
 Hexachlorobutadiene
 Concen: 45.955 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005555.D
 Acq: 24 Oct 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94497		
223	62.8	30.1	90.5	
227	64.8	30.8	92.4	





#95

Naphthalene

Concen: 53.538 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Instrument :

MSVOA_X

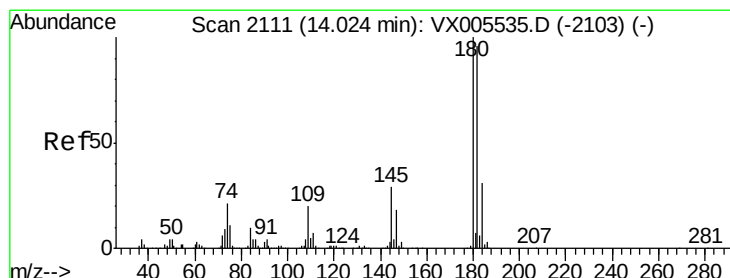
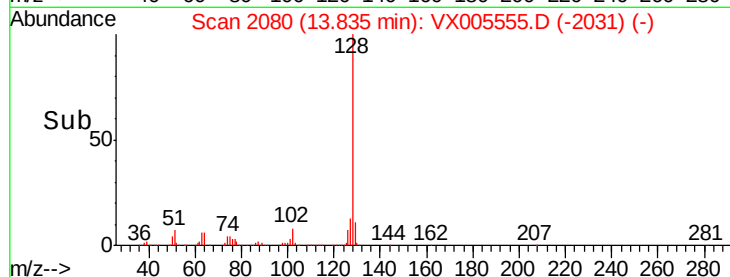
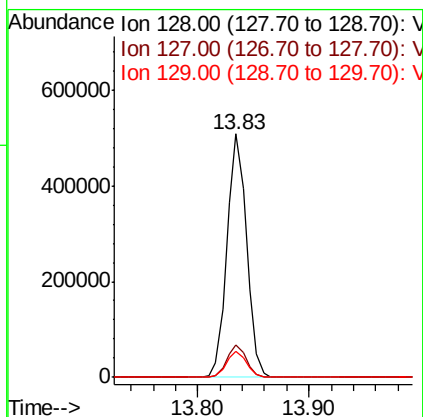
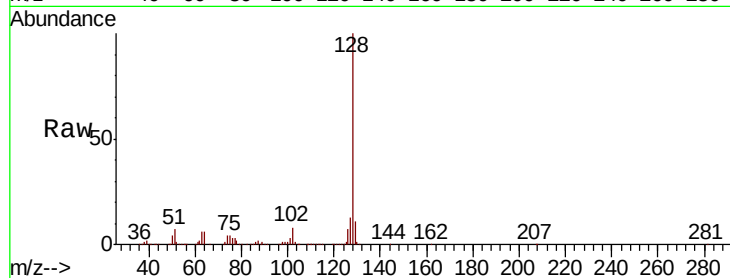
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	617516
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.297 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005555.D

Acq: 24 Oct 2018 21:25

Tgt Ion:	180	Resp:	202312
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.5	145.6
145	30.3	14.9	44.9

