

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102618\
 Data File : VX005624.D
 Acq On : 26 Oct 2018 23:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:43:50 PM

Quant Time: Oct 27 06:00:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	240501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352731	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	137836	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	5.49	113	117428	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	8.71	98	407967	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.14	95	153286	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	142464	60.014	ug/l	96
3) Chloromethane	1.32	50	149343	49.400	ug/l	99
4) Vinyl Chloride	1.41	62	147077	49.478	ug/l	99
5) Bromomethane	1.64	94	91259	49.338	ug/l	95
6) Chloroethane	1.71	64	93529	49.253	ug/l	99
7) Trichlorofluoromethane	1.93	101	199939	48.406	ug/l	95
8) Diethyl Ether	2.19	74	78066	47.360	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110671	46.699	ug/l	99
10) Methyl Iodide	2.51	142	129304	52.121	ug/l	99
11) Tert butyl alcohol	3.07	59	176060	222.858	ug/l	100
12) 1,1-Dichloroethene	2.37	96	106677	47.253	ug/l	97
13) Acrolein	2.29	56	83529	207.273	ug/l	96
14) Allyl chloride	2.73	41	232880	46.220	ug/l	99
15) Acrylonitrile	3.15	53	410212	231.562	ug/l	100
16) Acetone	2.45	43	359650	231.837	ug/l #	86
17) Carbon Disulfide	2.57	76	325252	47.262	ug/l	97
18) Methyl Acetate	2.78	43	192969	50.364	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	383727	47.650	ug/l	99
20) Methylene Chloride	2.85	84	119204	45.880	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112204	45.520	ug/l	99
22) Diisopropyl ether	3.86	45	430764	48.958	ug/l	90
23) Vinyl Acetate	3.82	43	1829551	236.101	ug/l	96
24) 1,1-Dichloroethane	3.69	63	230159	48.114	ug/l	97
25) 2-Butanone	4.70	43	546377	231.288	ug/l	99
26) 2,2-Dichloropropane	4.58	77	142592	38.610	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	127472	47.969	ug/l	97
28) Bromochloromethane	5.02	49	107297	46.375	ug/l	99
29) Tetrahydrofuran	5.15	42	364866	237.335	ug/l	99
30) Chloroform	5.22	83	209126	46.736	ug/l	89
31) Cyclohexane	5.56	56	203935	51.525	ug/l #	84
32) 1,1,1-Trichloroethane	5.49	97	181895	46.057	ug/l	99
36) 1,1-Dichloropropene	5.79	75	166683	48.694	ug/l	98
37) Ethyl Acetate	4.85	43	213443	48.863	ug/l	99
38) Carbon Tetrachloride	5.77	117	164337	45.582	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181390	47.988	ug/l	98
40) Benzene	6.13	78	474728	48.379	ug/l	97
41) Methacrylonitrile	5.06	41	114876	47.212	ug/l	97
42) 1,2-Dichloroethane	6.20	62	168038	45.078	ug/l	99
43) Isopropyl Acetate	6.46	43	310933	47.502	ug/l	99
44) Trichloroethene	7.21	130	126488	47.317	ug/l	99
45) 1,2-Dichloropropane	7.52	63	122139	46.297	ug/l	99
46) Dibromomethane	7.66	93	77366	45.405	ug/l	99
47) Bromodichloromethane	7.90	83	151214	45.725	ug/l	97
48) Methyl methacrylate	7.77	41	154871	48.567	ug/l	99
49) 1,4-Dioxane	7.75	88	58133	834.202	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1024957	232.990	ug/l	99
52) Toluene	8.79	92	283035	47.460	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	169471	47.416	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	182849	47.518	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	115633	45.990	ug/l	98
56) Ethyl methacrylate	9.18	69	189212	50.452	ug/l	98
57) 1,3-Dichloropropane	9.37	76	195408	45.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	490030	233.950	ug/l	100
59) 2-Hexanone	9.49	43	807633	232.847	ug/l	99
60) Dibromochloromethane	9.59	129	125179	47.718	ug/l	100
61) 1,2-Dibromoethane	9.67	107	122114	46.946	ug/l	100
64) Tetrachloroethene	9.34	164	124567	48.967	ug/l	99
65) Chlorobenzene	10.14	112	315998	48.425	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	116614	49.010	ug/l	98
67) Ethyl Benzene	10.25	91	551691	51.386	ug/l	99
68) m/p-Xylenes	10.36	106	424170	101.832	ug/l	100
69) o-Xylene	10.70	106	205285	52.384	ug/l	100
70) Styrene	10.71	104	345752	52.704	ug/l	99
71) Bromoform	10.86	173	104390	49.166	ug/l	98
73) Isopropylbenzene	11.02	105	559081	53.069	ug/l	100
74) N-amyl acetate	10.90	43	277071	53.078	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	189535	48.766	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	177254m	48.543	ug/l	
77) Bromobenzene	11.26	156	147818	50.347	ug/l	99
78) n-propylbenzene	11.36	91	643512	53.420	ug/l	100
79) 2-Chlorotoluene	11.42	91	382356	51.192	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	477443	52.978	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53215	47.619	ug/l	96
82) 4-Chlorotoluene	11.51	91	452849	51.418	ug/l	100
83) tert-Butylbenzene	11.77	119	472947	52.647	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	492070	53.874	ug/l	100
85) sec-Butylbenzene	11.94	105	567717	52.962	ug/l	100
86) p-Isopropyltoluene	12.07	119	511553	53.384	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	274256	49.675	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	276560	47.989	ug/l	100
89) n-Butylbenzene	12.39	91	449898	52.007	ug/l	100
90) Hexachloroethane	12.60	117	84121	50.899	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	273608	48.983	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47548	50.596	ug/l	98

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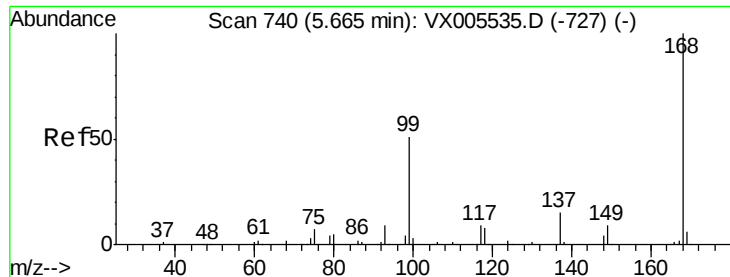
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	209702	51.789	ug/l	99
94) Hexachlorobutadiene	13.79	225	98246	46.821	ug/l	100
95) Naphthalene	13.83	128	648472	55.096	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	212479	51.766	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 240501

Ion Ratio Lower Upper

168 100

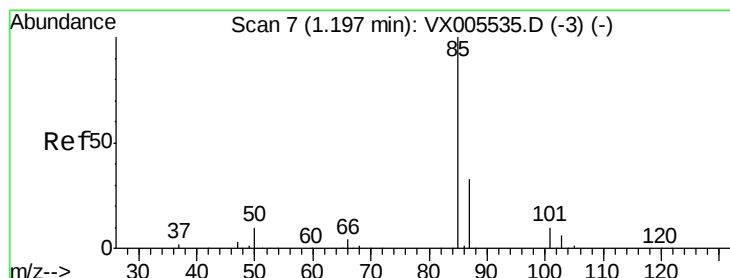
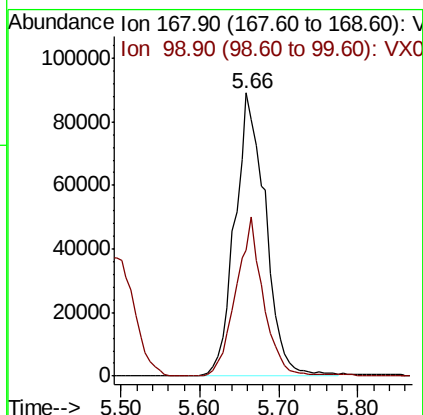
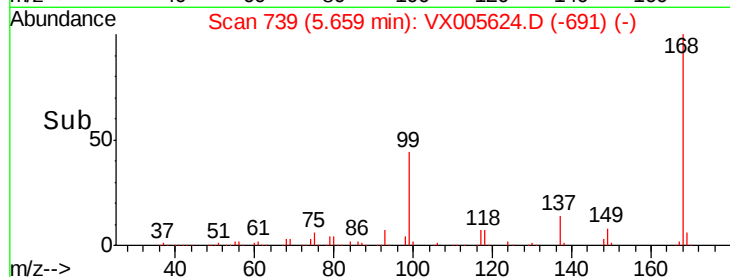
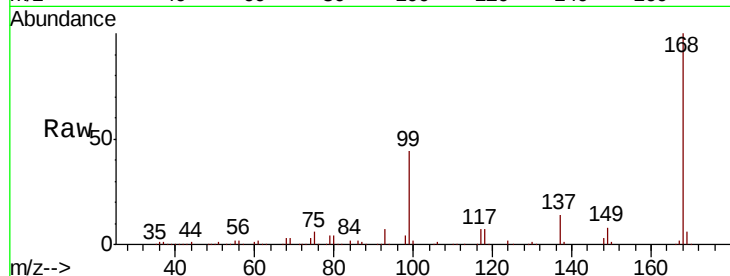
99 44.4 40.7 61.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 60.014 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005624.D

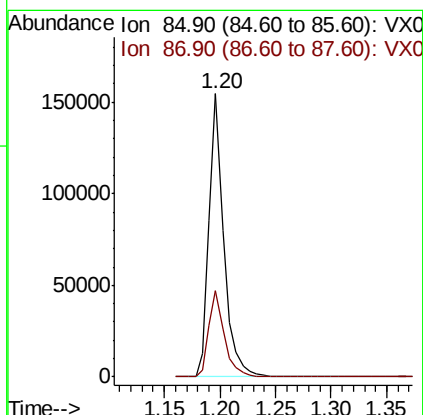
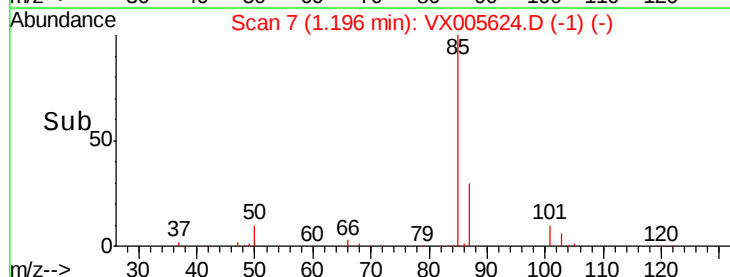
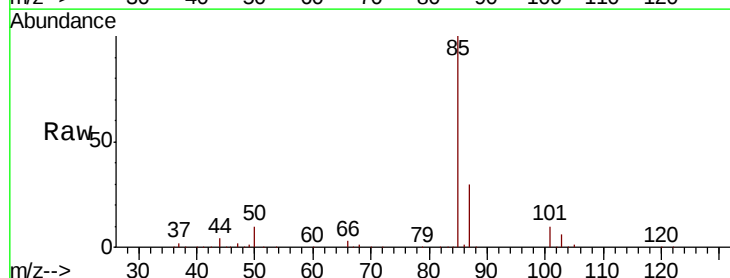
Acq: 26 Oct 2018 23:48

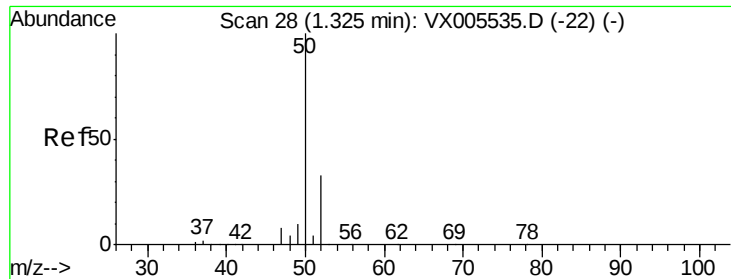
Tgt Ion: 85 Resp: 142464

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.9





#3

Chloromethane

Concen: 49.400 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 149343

Ion Ratio Lower Upper

50 100

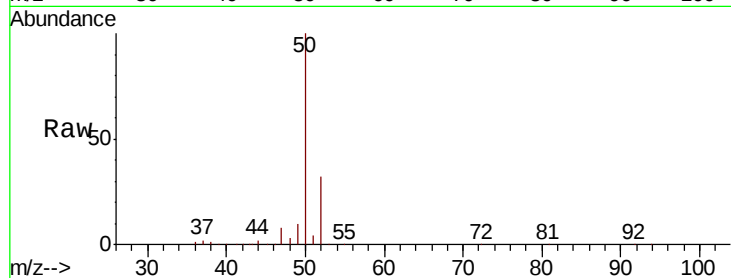
52 32.3 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

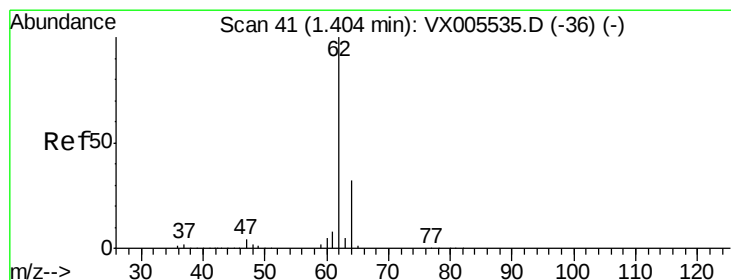
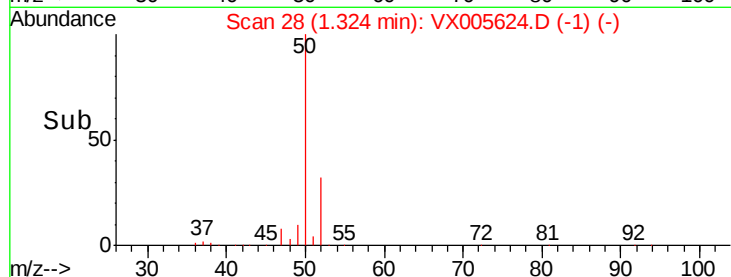
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 49.478 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005624.D

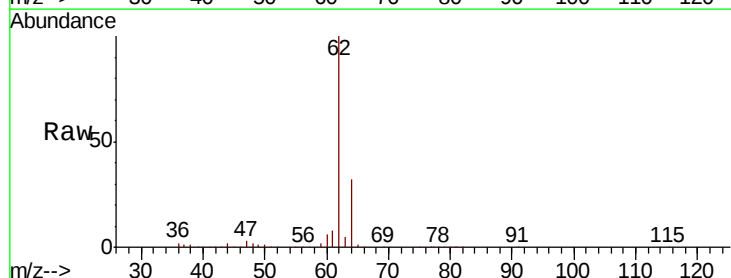
Acq: 26 Oct 2018 23:48

Tgt Ion: 62 Resp: 147077

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

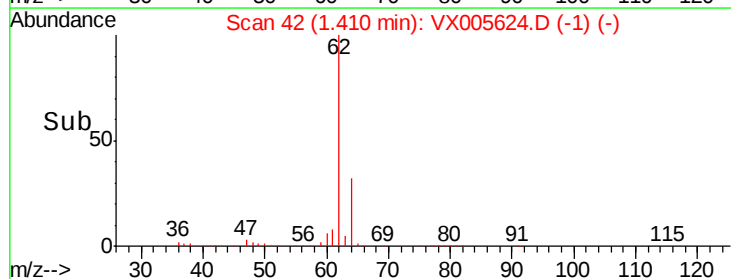
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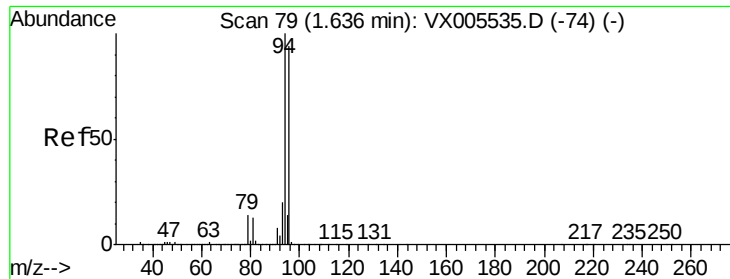
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 49.338 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91259

Ion Ratio Lower Upper

94 100

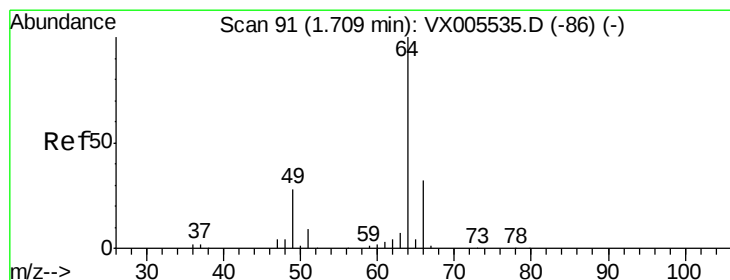
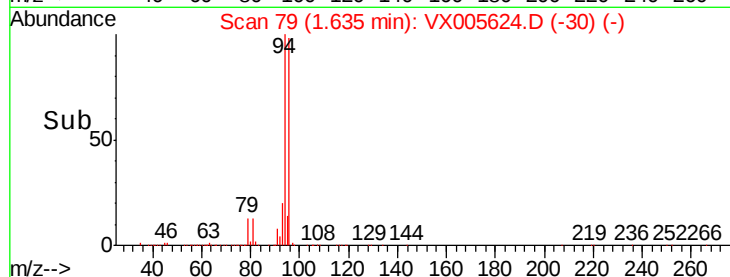
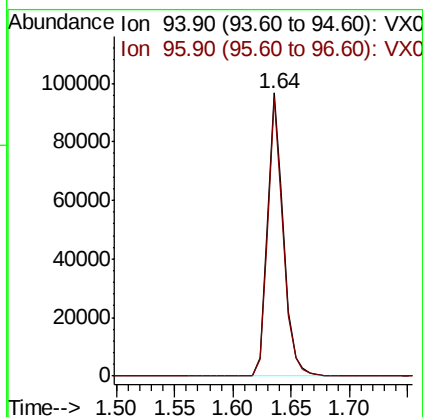
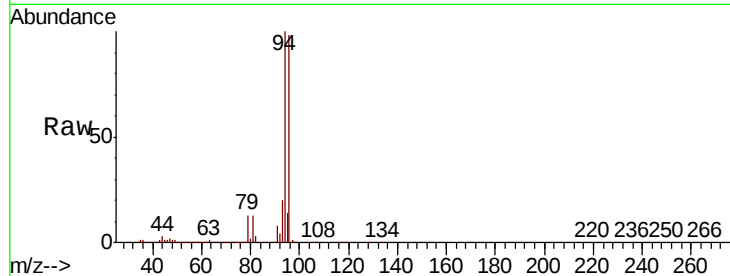
96 98.4 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 49.253 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005624.D

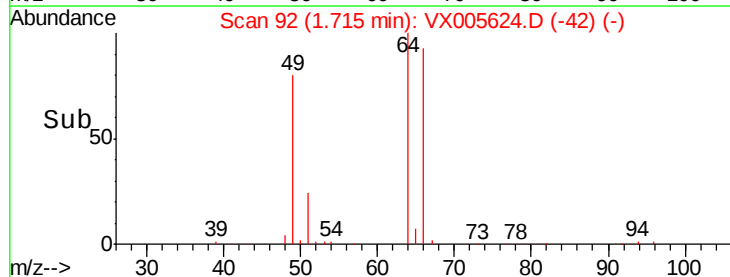
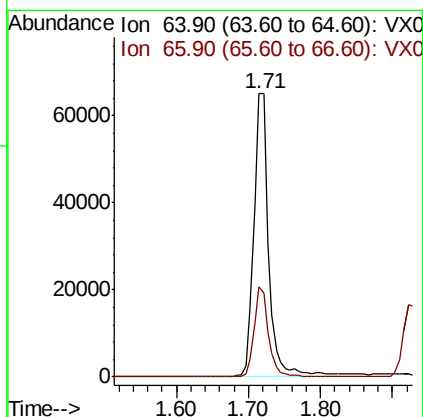
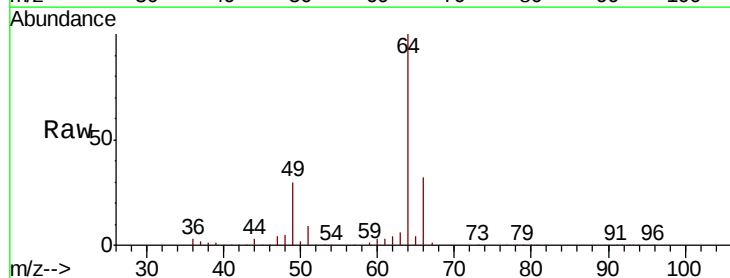
Acq: 26 Oct 2018 23:48

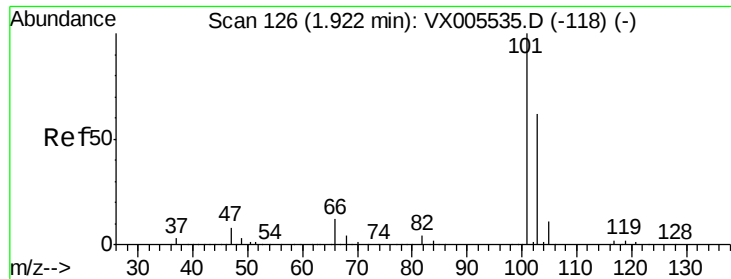
Tgt Ion: 64 Resp: 93529

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.6





#7

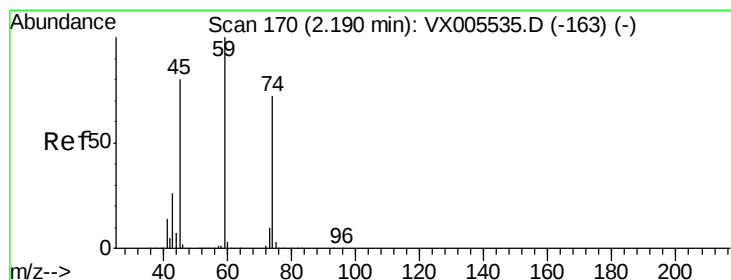
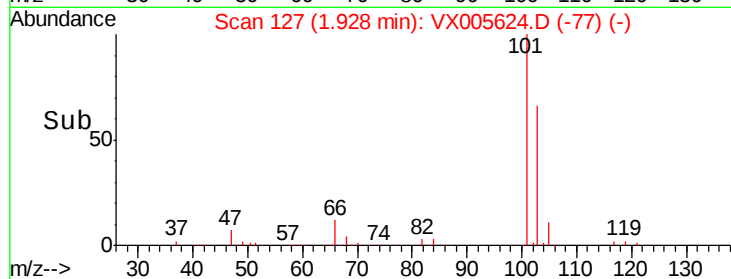
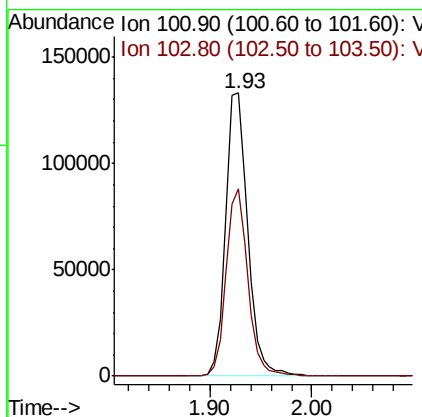
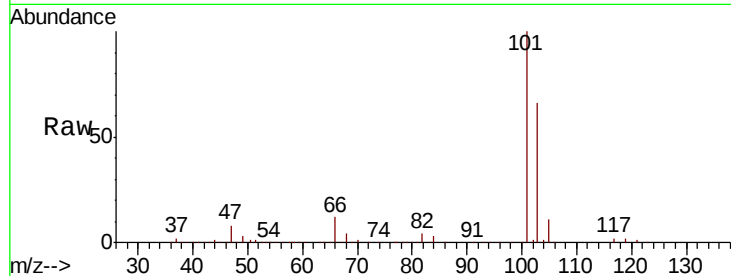
Trichlorofluoromethane
 Concen: 48.406 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Instrument :
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 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		199939		
103	66.0	50.0	75.0		

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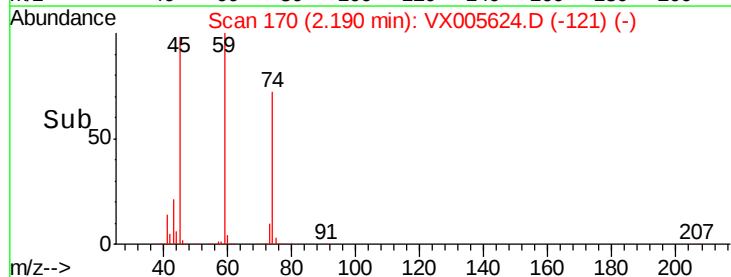
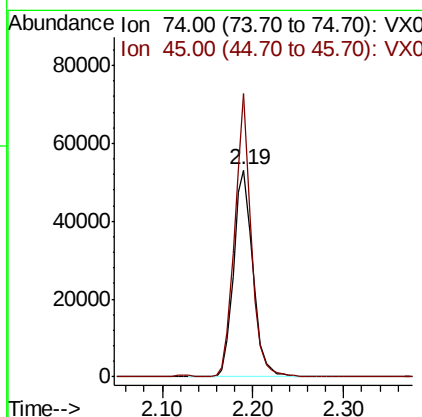
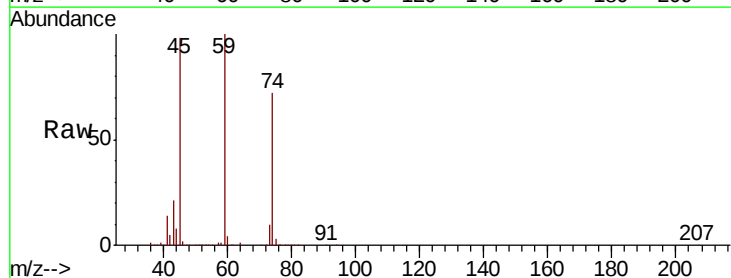
MMDadoda
 10/29/2018 12:43:50 PM

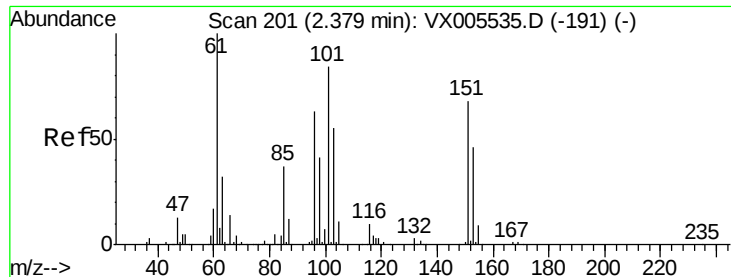


#8

Diethyl Ether
 Concen: 47.360 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		78066		
45	115.5	54.1	162.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.699 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

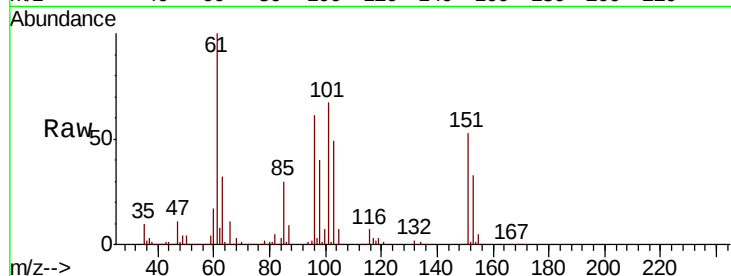
ClientSampleId :

VSTDCCC050EC

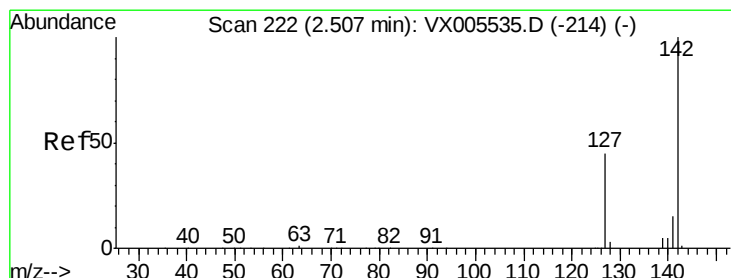
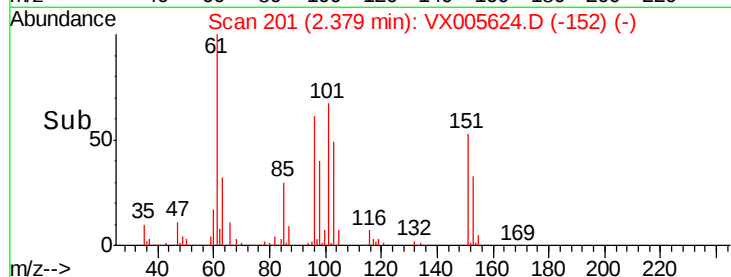
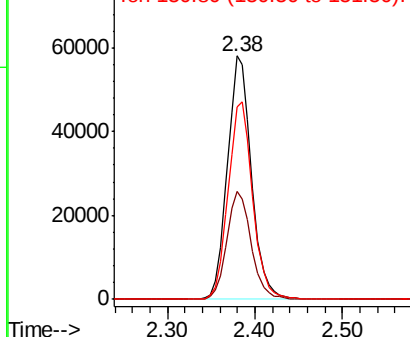
Tot Ion:	101	Resp:	110671
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.0	52.4
151	82.9	66.2	99.2

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: 52.121 ug/l

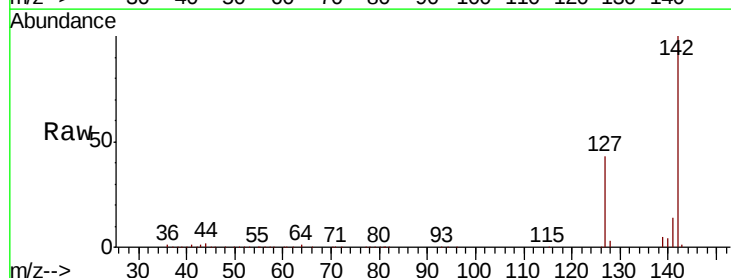
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

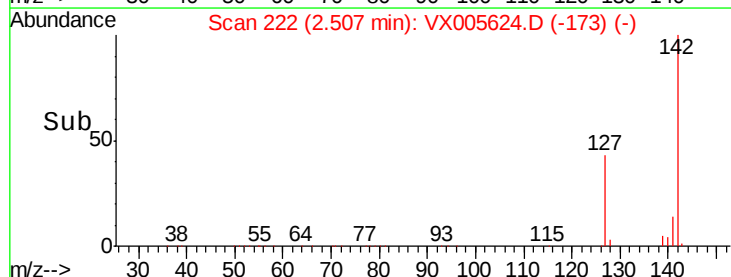
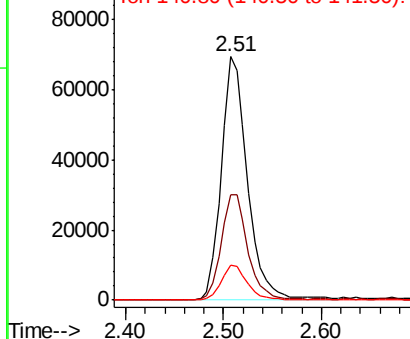
Lab File: VX005624.D

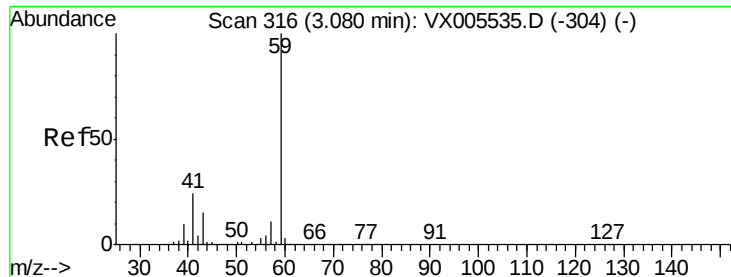
Acq: 26 Oct 2018 23:48

Tgt Ion:	142	Resp:	129304
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.0	54.0
141	14.3	11.7	17.5



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





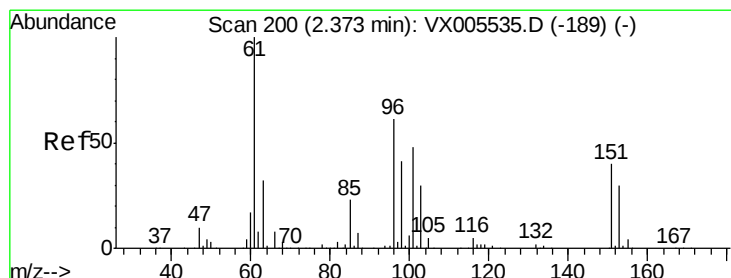
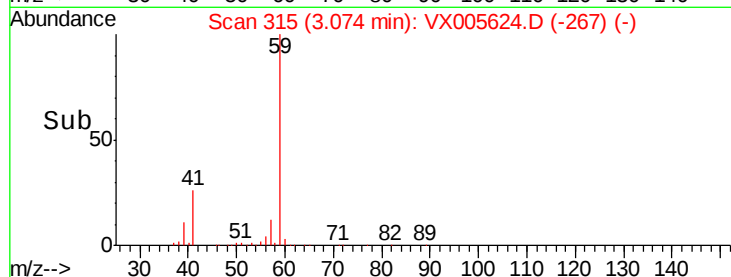
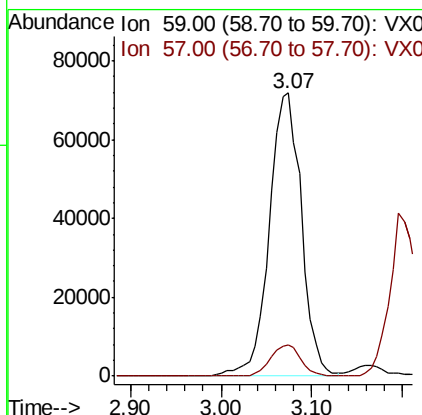
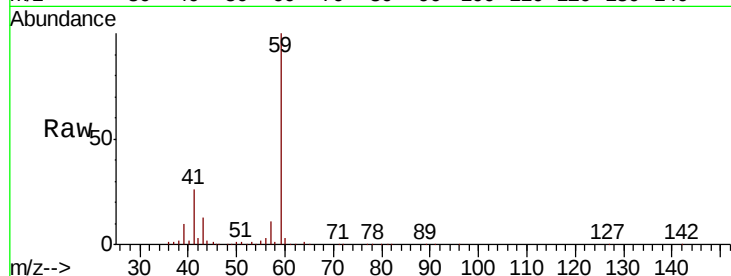
#11
Tert butyl alcohol
Concen: 222.858 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 176060
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

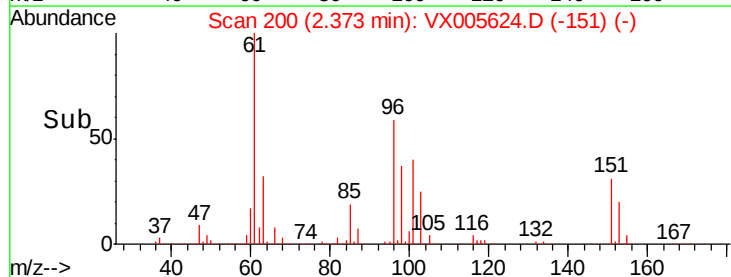
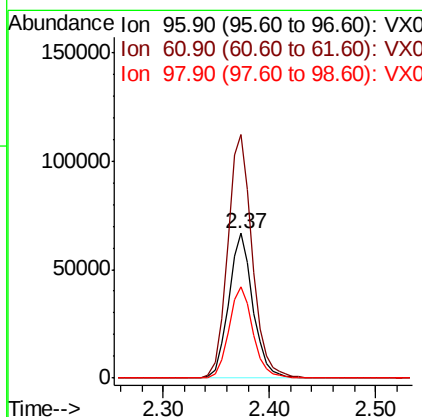
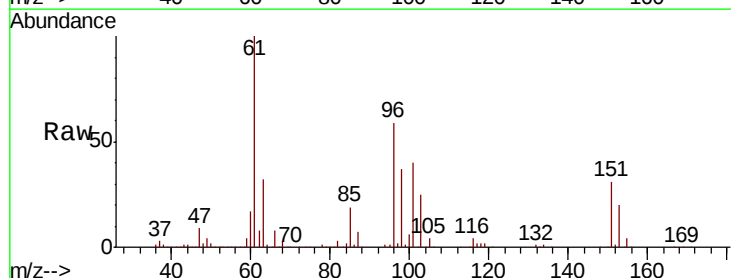
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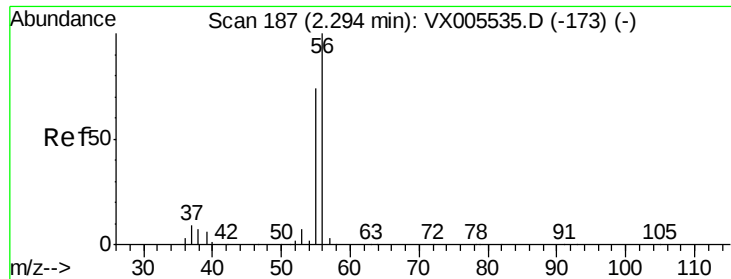
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#12
1,1-Dichloroethene
Concen: 47.253 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 96 Resp: 106677
Ion Ratio Lower Upper
96 100
61 168.3 131.8 197.8
98 62.9 53.4 80.2





#13

Acrolein

Concen: 207.273 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 83529

Ion Ratio Lower Upper

56 100

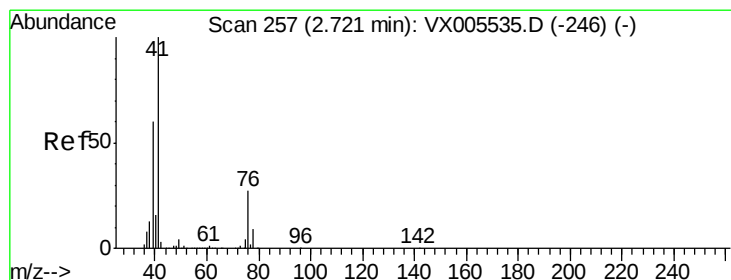
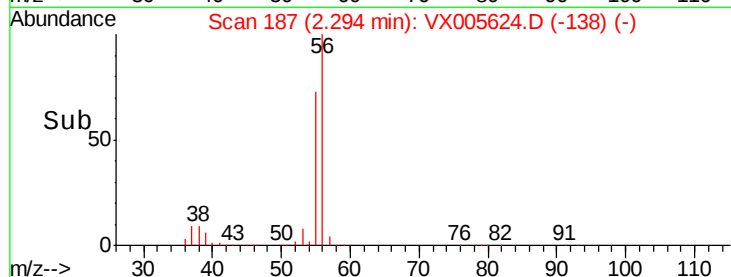
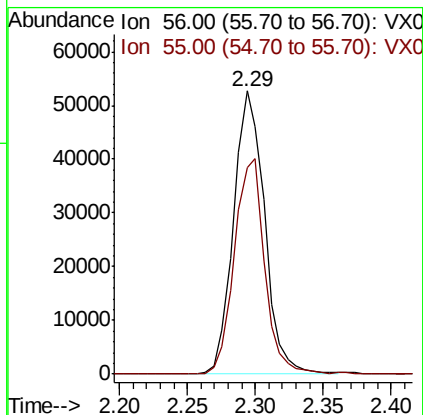
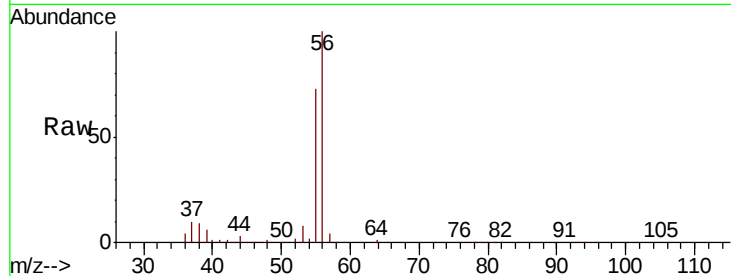
55 75.0 57.3 85.9

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#14

Allyl chloride

Concen: 46.220 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

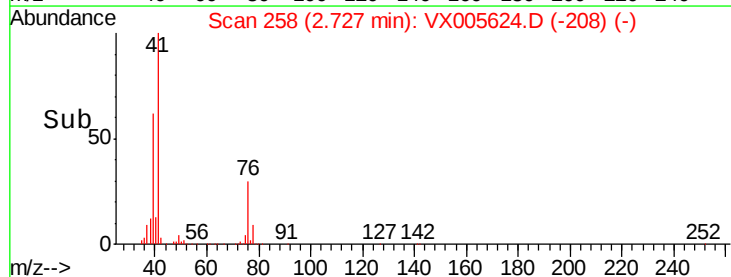
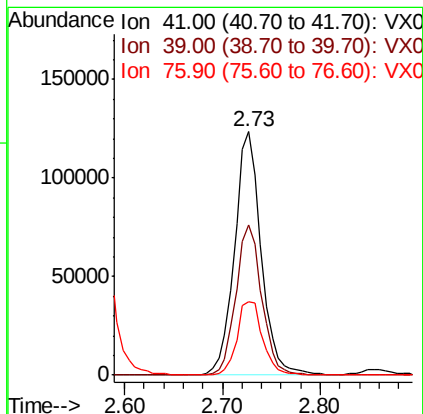
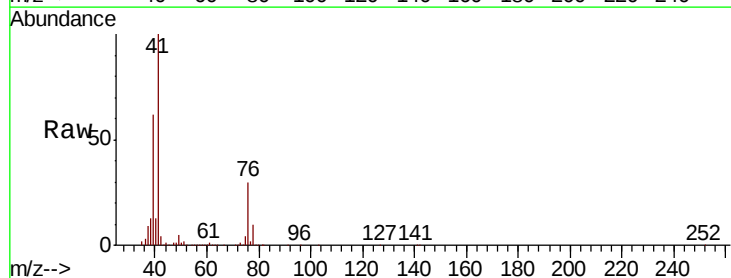
Tgt Ion: 41 Resp: 232880

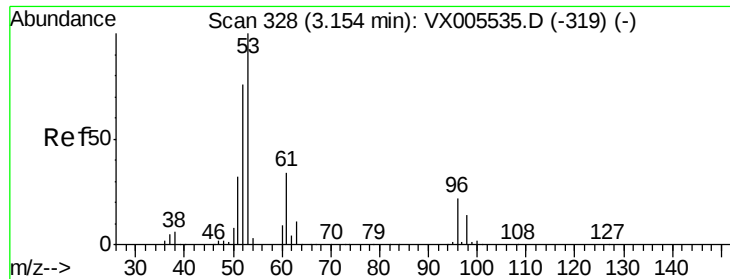
Ion Ratio Lower Upper

41 100

39 60.2 48.2 72.4

76 29.3 21.9 32.9





#15

Acrylonitrile

Concen: 231.562 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

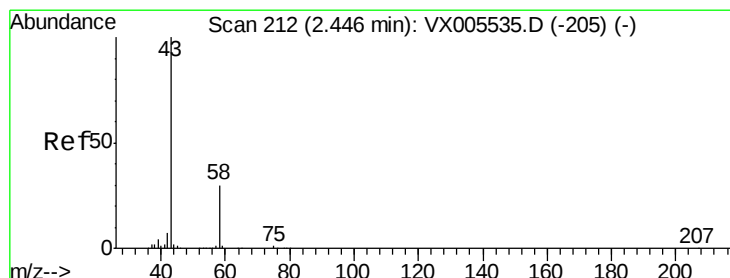
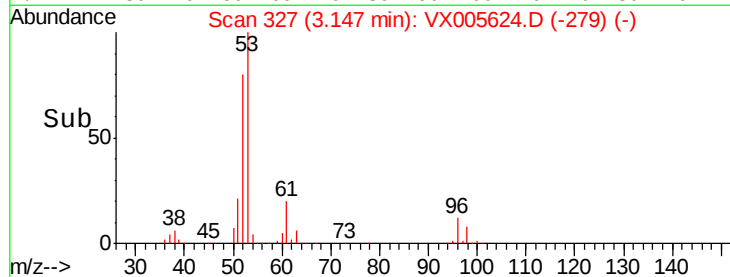
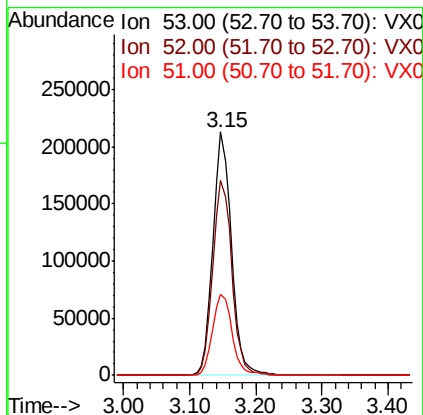
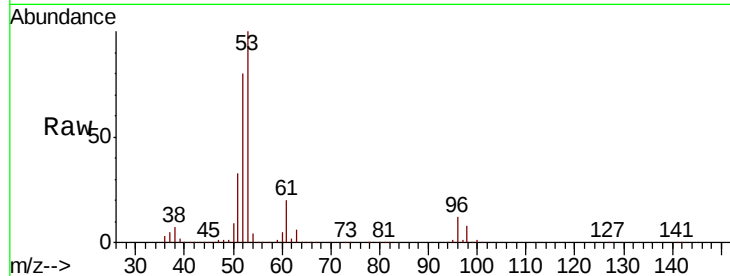
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	410212
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.6	99.8
51	35.5	28.4	42.6

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#16

Acetone

Concen: 231.837 ug/l

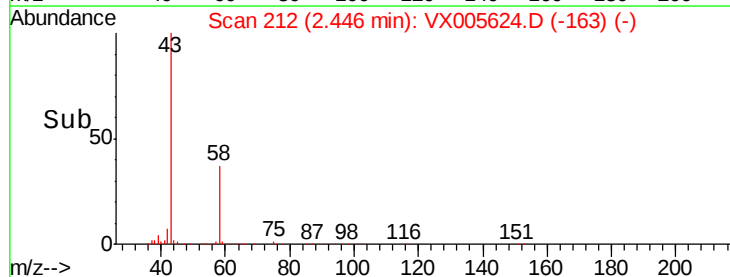
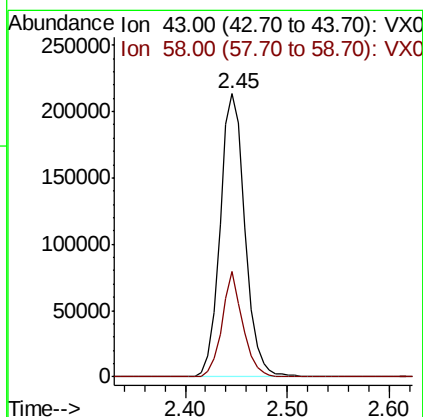
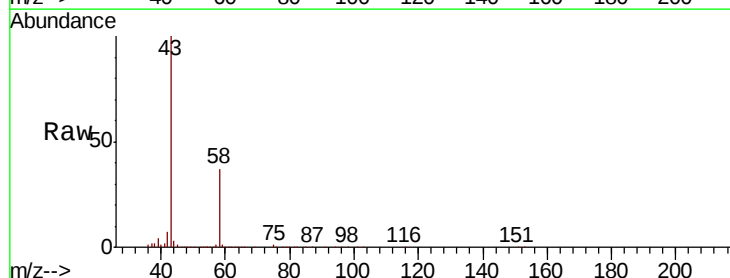
RT: 2.45 min Scan# 212

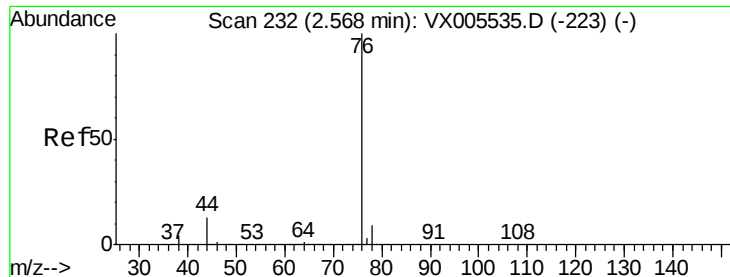
Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion:	43	Resp:	359650
Ion Ratio	Lower	Upper	
43	100		
58	37.2	23.8	35.6#





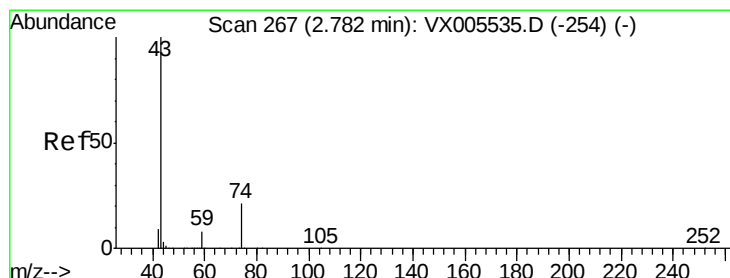
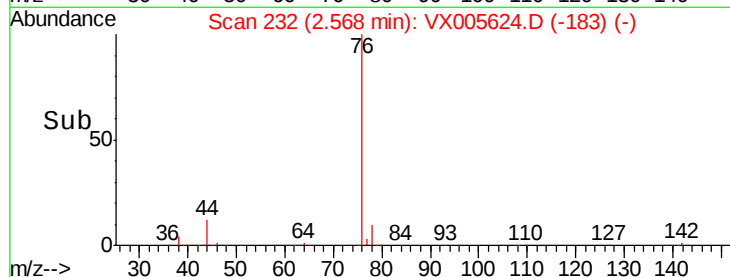
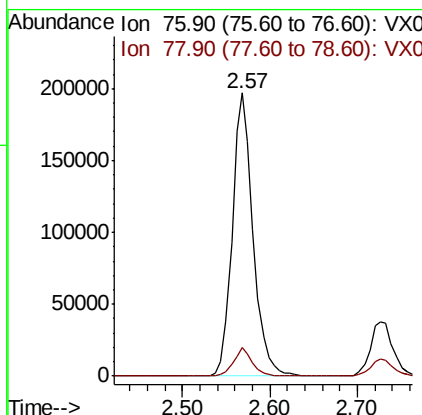
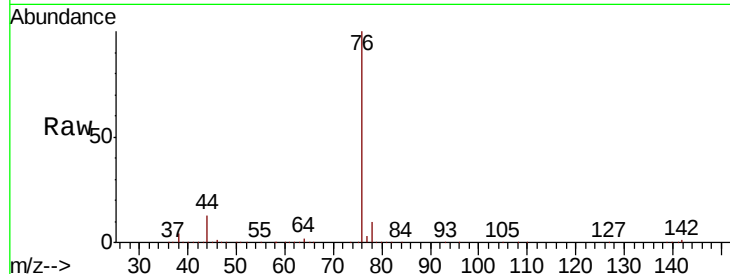
#17
Carbon Disulfide
Concen: 47.262 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.3	10.9

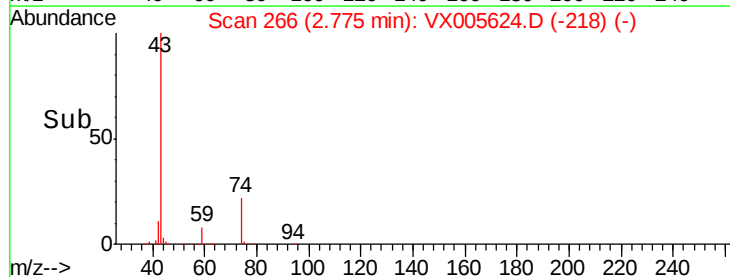
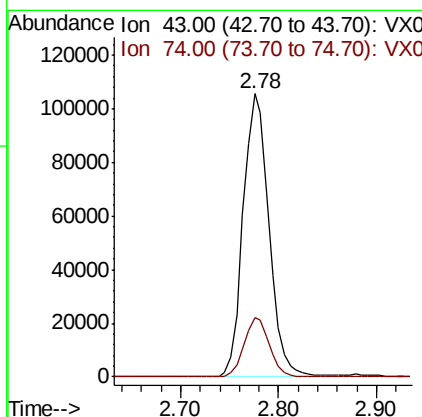
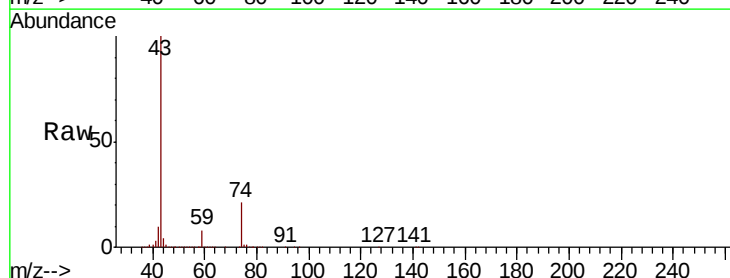
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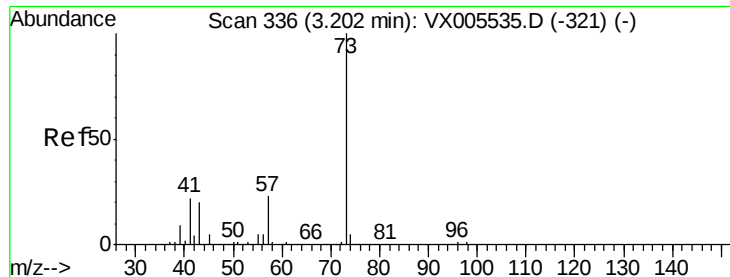
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#18
Methyl Acetate
Concen: 50.364 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.8	25.2





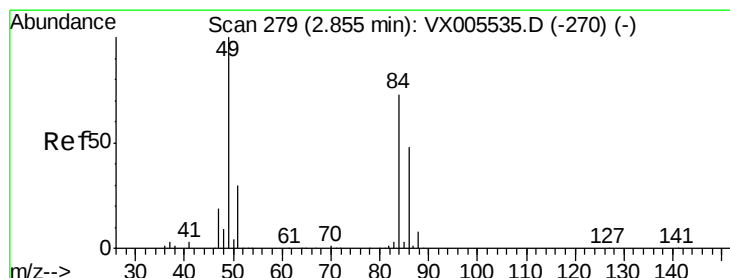
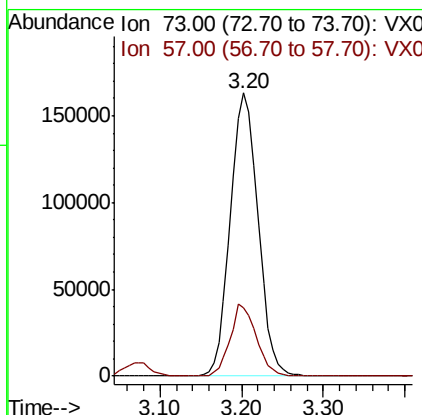
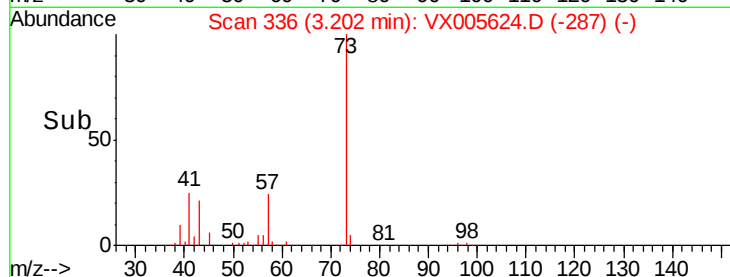
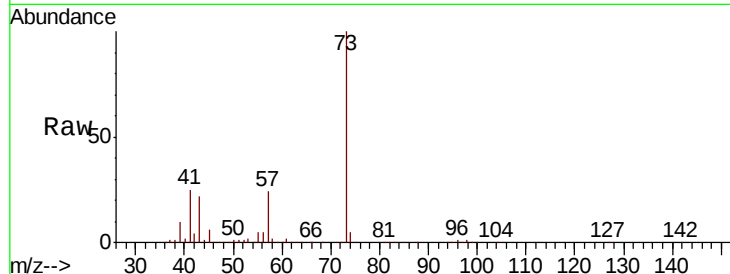
#19
Methvl tert-butvl Ether
Concen: 47.650 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.8	28.2

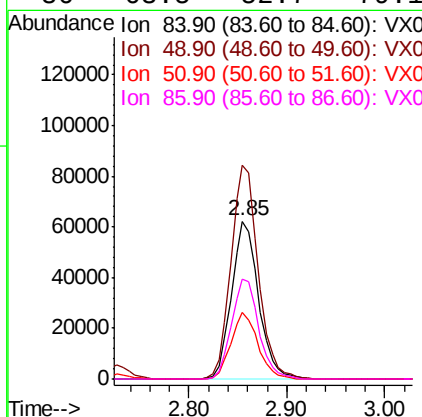
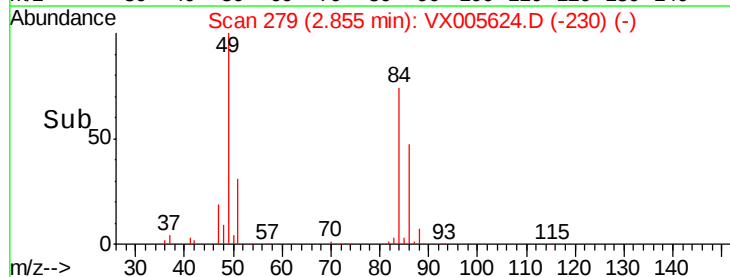
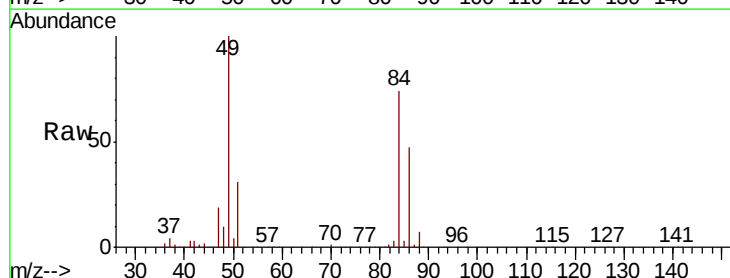
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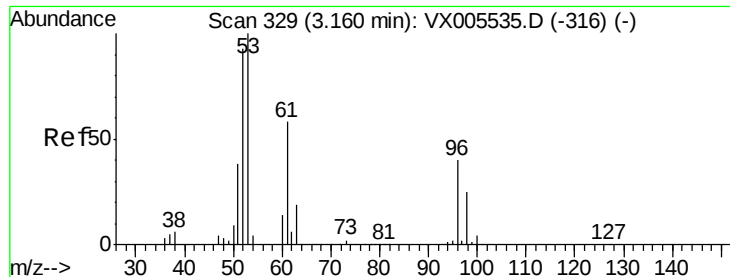
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#20
Methylene Chloride
Concen: 45.880 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.3	109.5	164.3
51	42.1	33.3	49.9
86	63.5	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 45.520 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

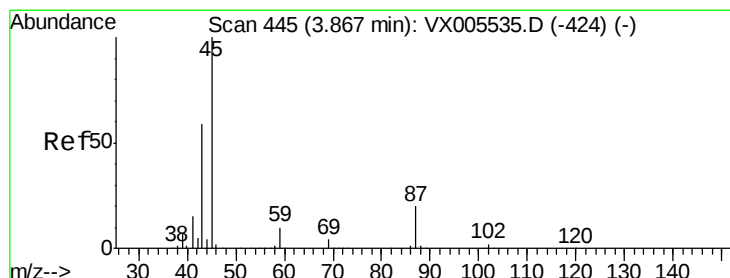
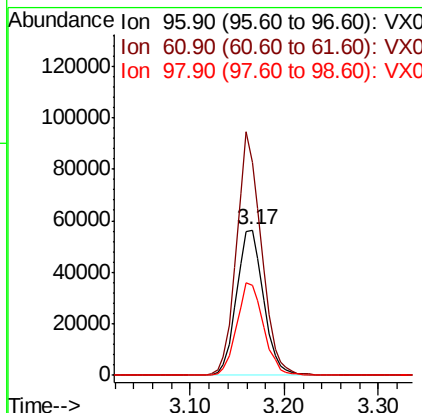
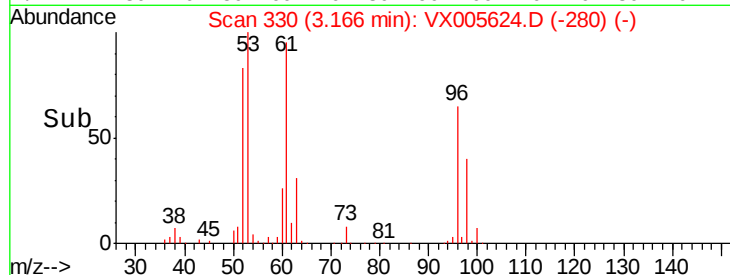
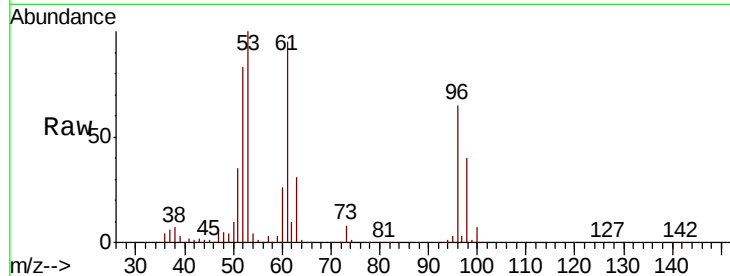
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	112204
Ion	Ratio	Lower	Upper
96	100		
61	145.7	115.6	173.4
98	61.9	50.2	75.2

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#22

Diisopropyl ether

Concen: 48.958 ug/l

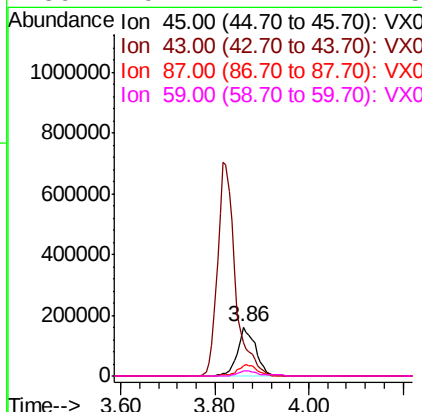
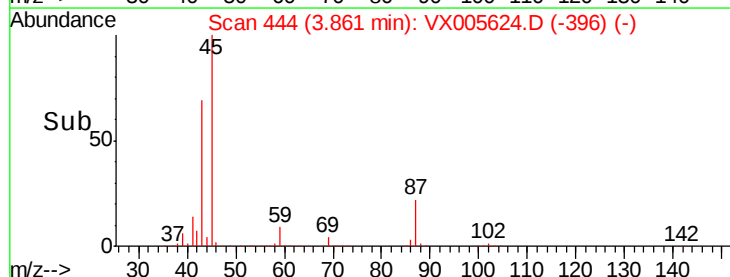
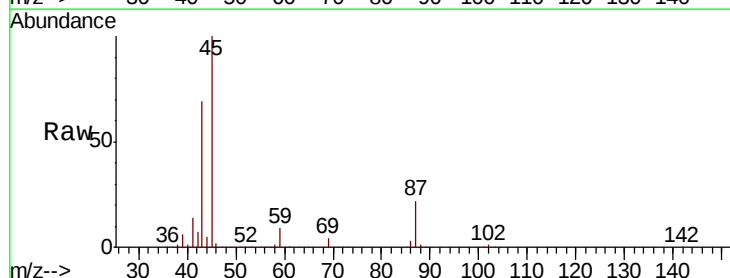
RT: 3.86 min Scan# 444

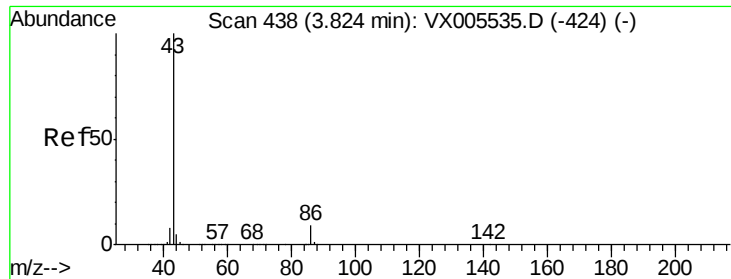
Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion:	45	Resp:	430764
Ion	Ratio	Lower	Upper
45	100		
43	69.0	47.4	71.2
87	22.2	15.9	23.9
59	9.4	7.7	11.5





#23

Vinyl Acetate

Concen: 236.101 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1829551

Ion Ratio Lower Upper

43 100

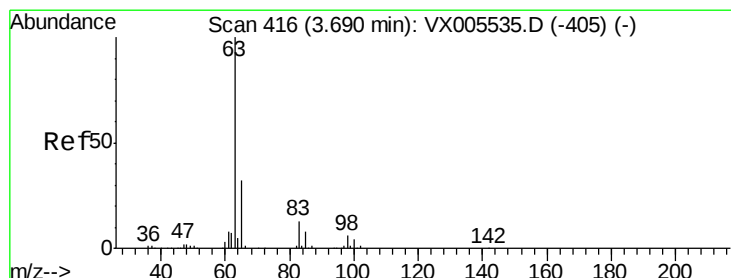
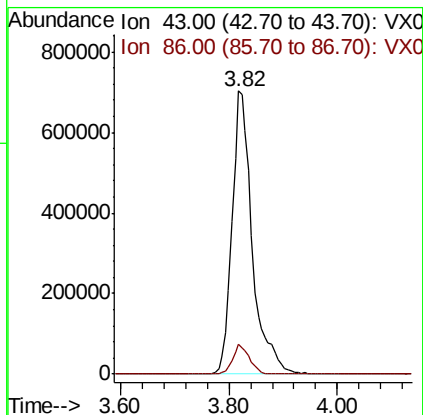
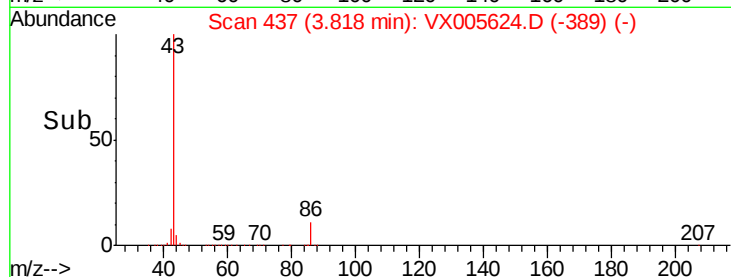
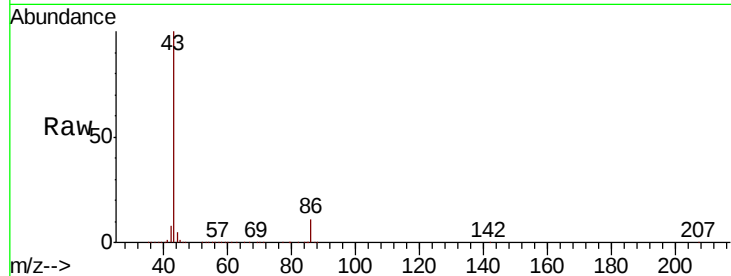
86 10.6 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 48.114 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

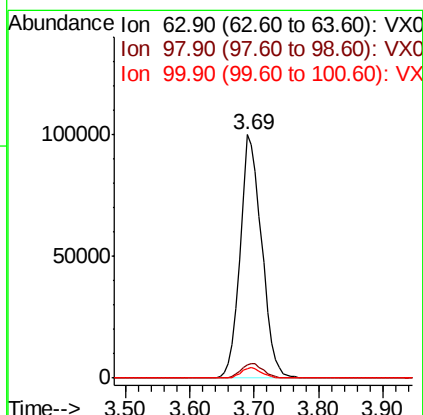
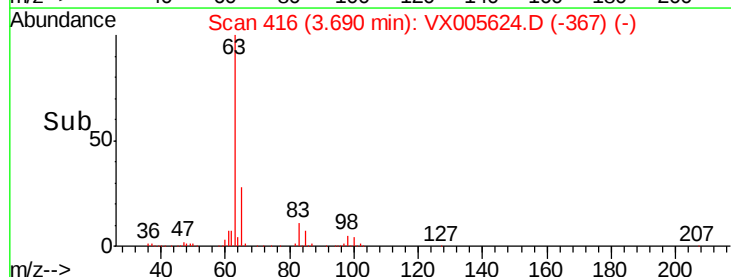
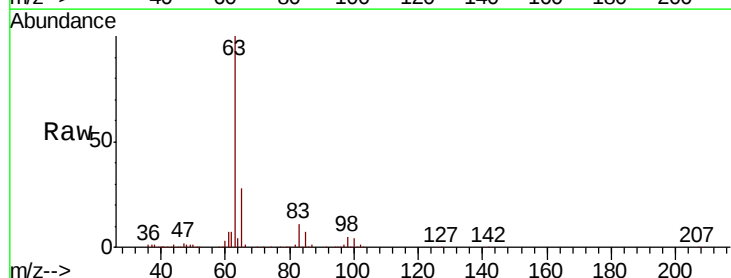
Tgt Ion: 63 Resp: 230159

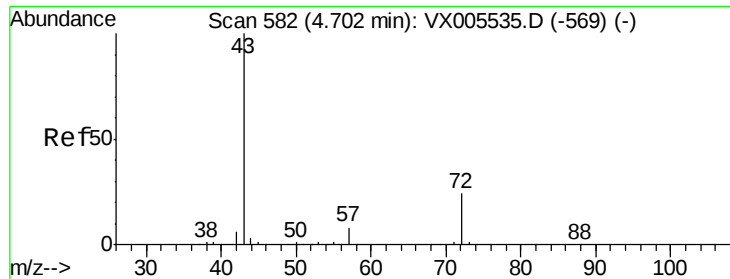
Ion Ratio Lower Upper

63 100

98 5.2 3.2 9.6

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 231.288 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 546377

Ion Ratio Lower Upper

43 100

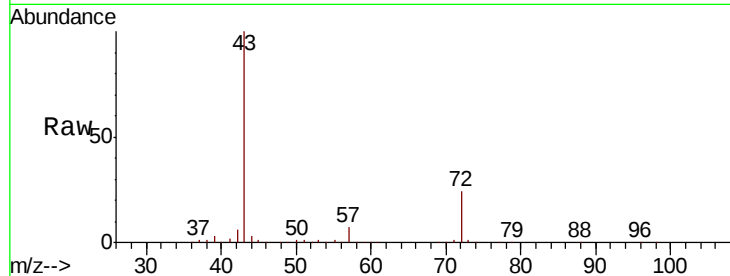
72 23.4 19.2 28.8

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

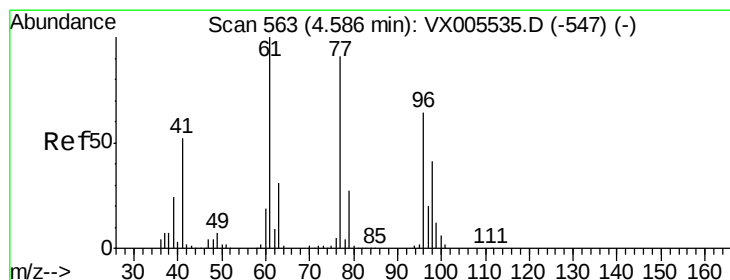
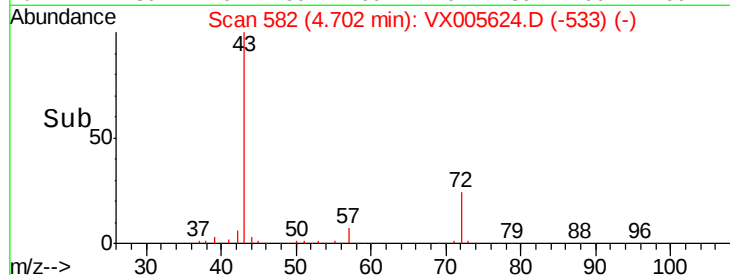
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.610 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005624.D

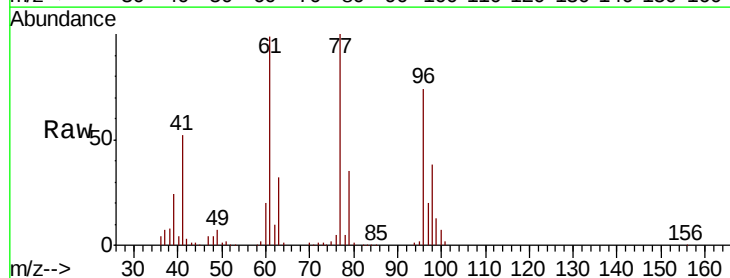
Acq: 26 Oct 2018 23:48

Tgt Ion: 77 Resp: 142592

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

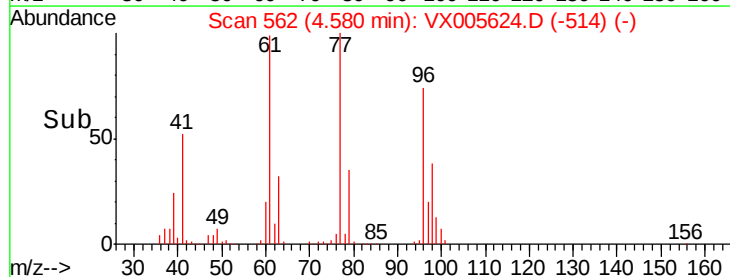
20000

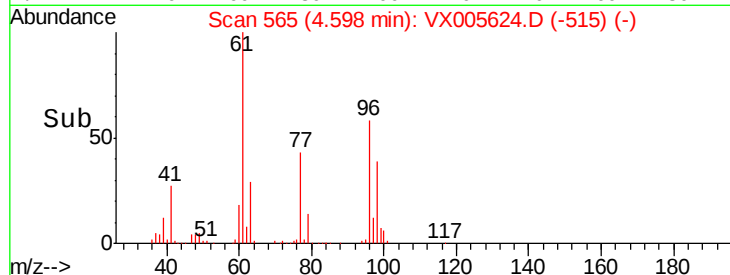
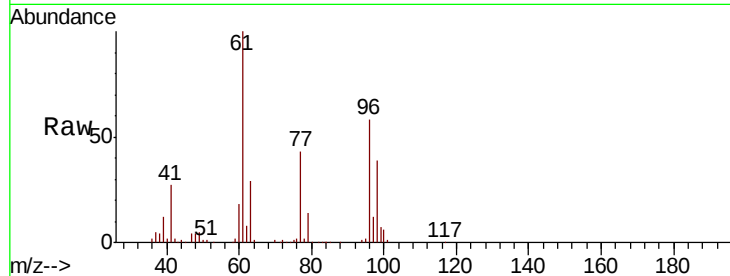
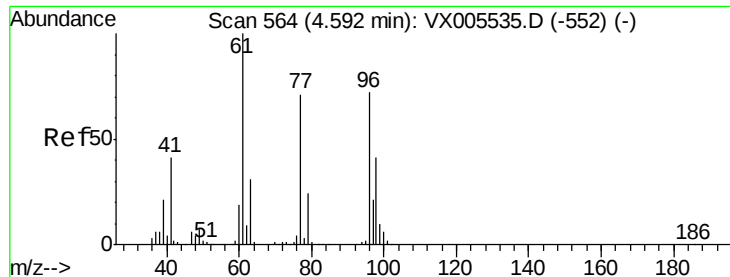
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.969 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX005624.D

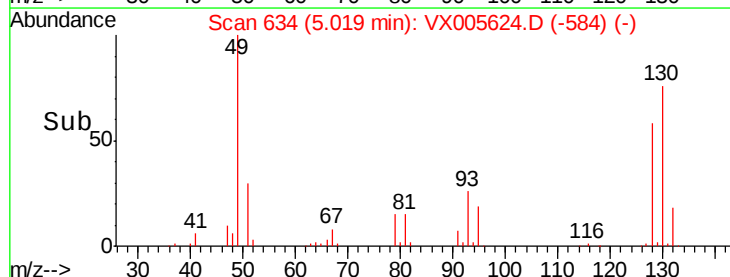
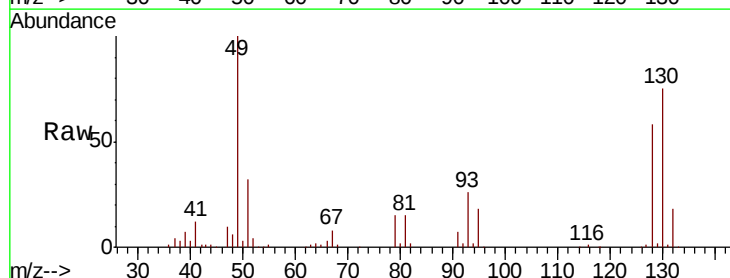
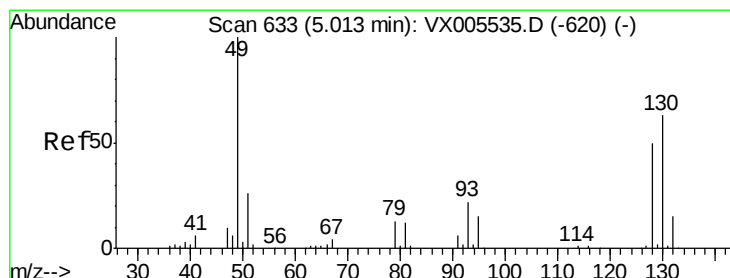
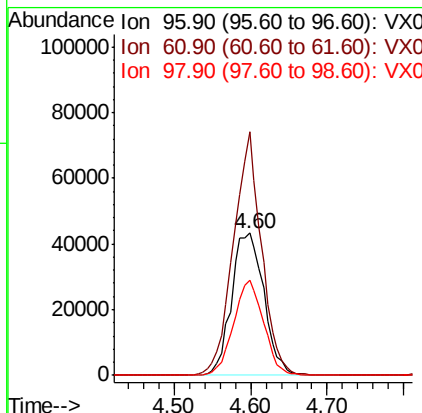
Acq: 26 Oct 2018 23:48

Tot Ion:	96	Resp:	127472
Ion Ratio	Lower	Upper	
96	100		
61	148.3	0.0	304.6
98	61.8	0.0	127.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#28

Bromochloromethane

Concen: 46.375 ug/l

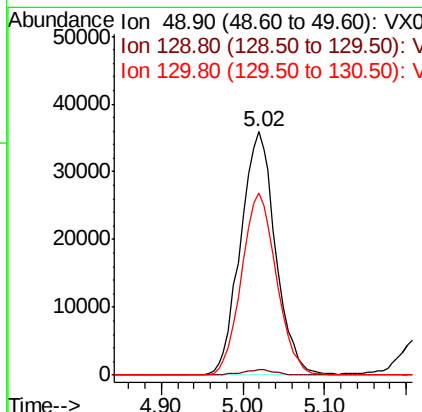
RT: 5.02 min Scan# 634

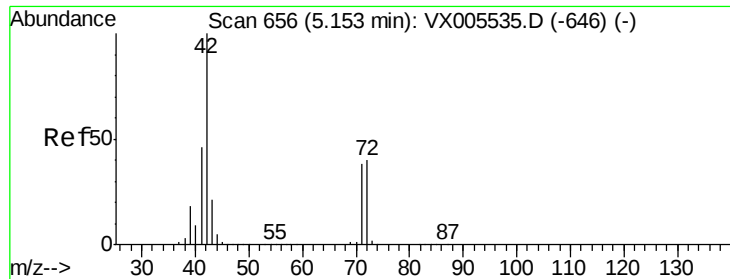
Delta R.T. 0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion:	49	Resp:	107297
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	74.4	58.9	88.3





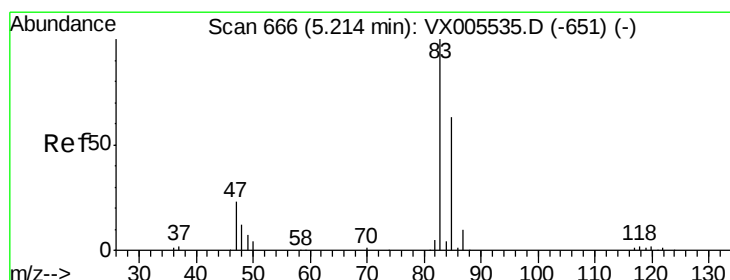
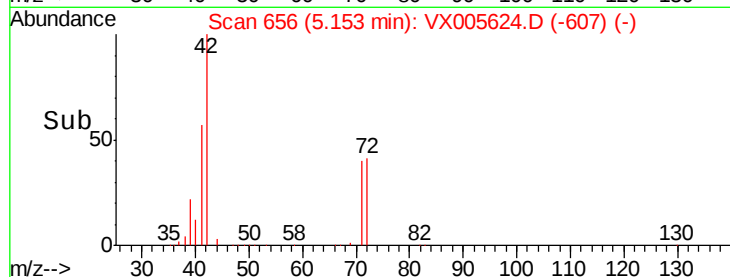
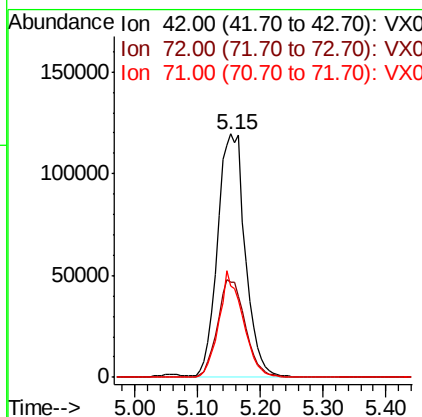
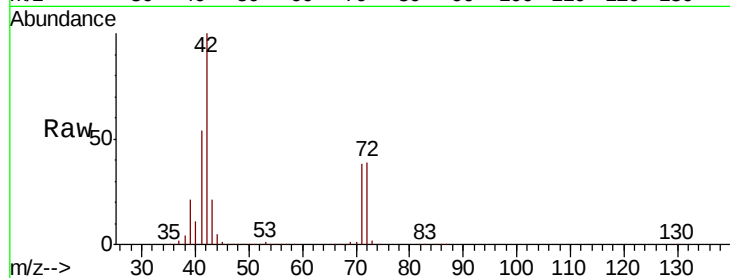
#29
Tetrahydrofuran
Concen: 237.335 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	38.1	29.8	44.8

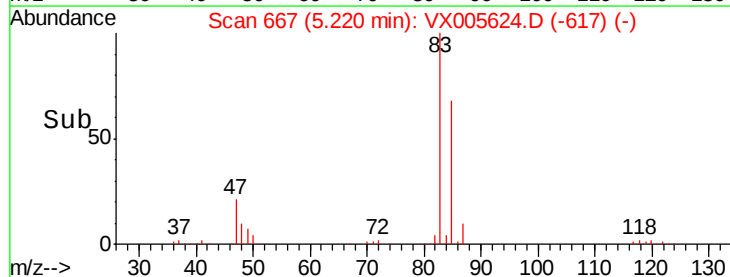
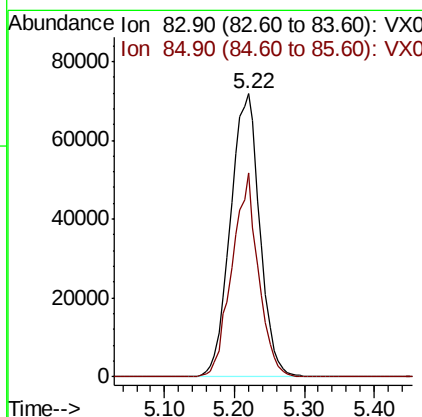
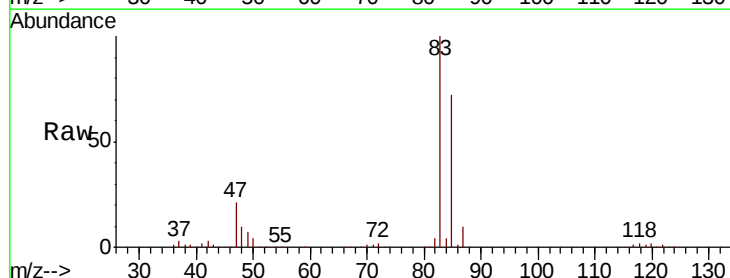
Manual Integrations
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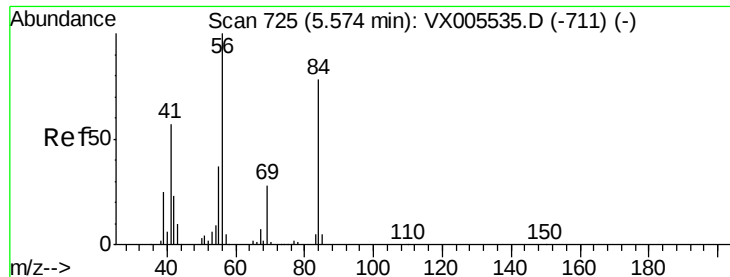
MMDadoda
10/29/2018 12:43:50 PM



#30
Chloroform
Concen: 46.736 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.1	50.6	76.0





#31

Cyclohexane

Concen: 51.525 ug/l

RT: 5.56 min Scan# 723

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

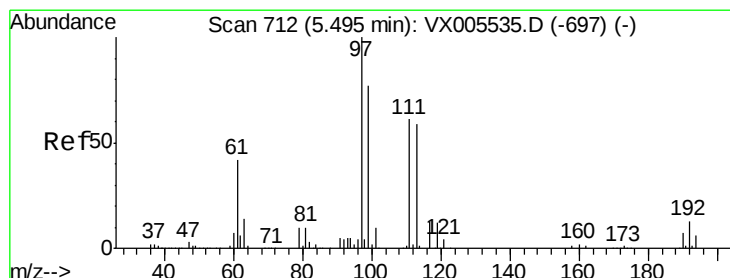
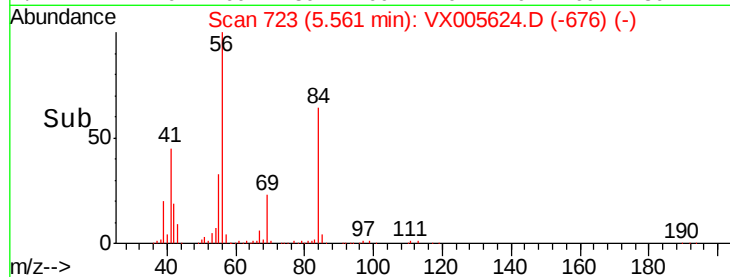
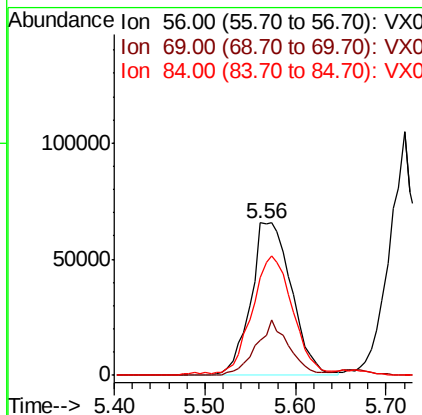
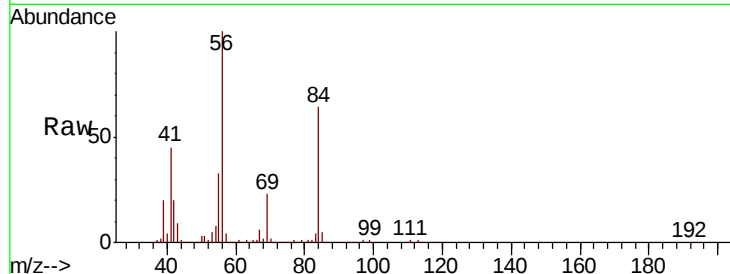
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	203935
Ion Ratio	Lower	Upper	
56	100		
69	23.2	22.6	34.0
84	62.5	62.7	94.1#

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#32

1,1,1-Trichloroethane

Concen: 46.057 ug/l

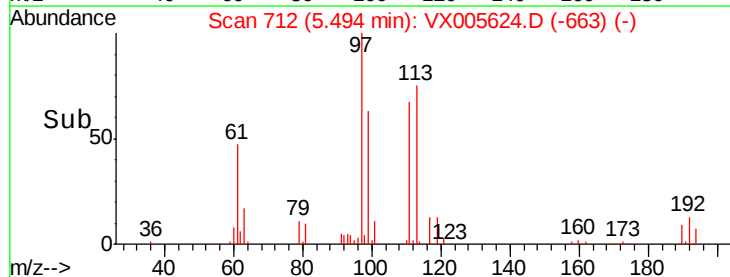
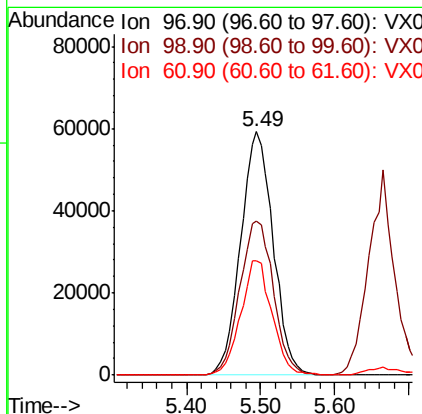
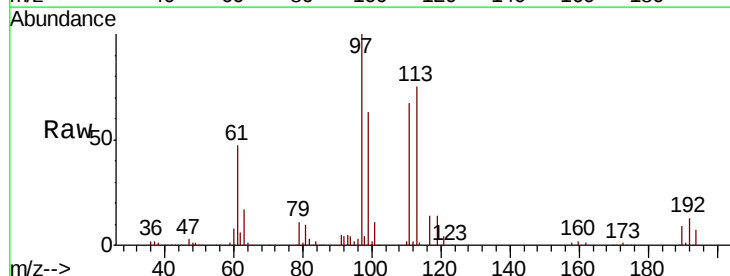
RT: 5.49 min Scan# 712

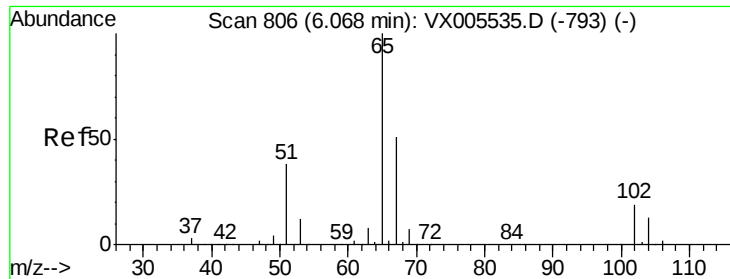
Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion:	97	Resp:	181895
Ion Ratio	Lower	Upper	
97	100		
99	65.3	52.3	78.5
61	45.3	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 46.950 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 137836

Ion Ratio Lower Upper

65 100

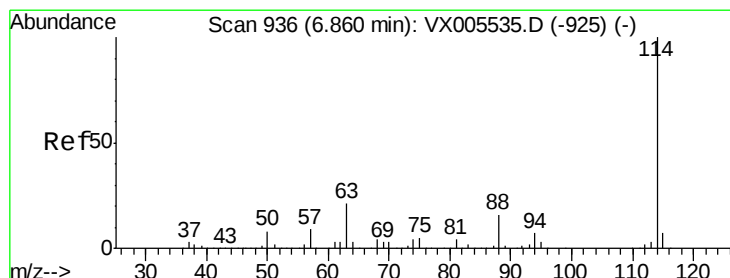
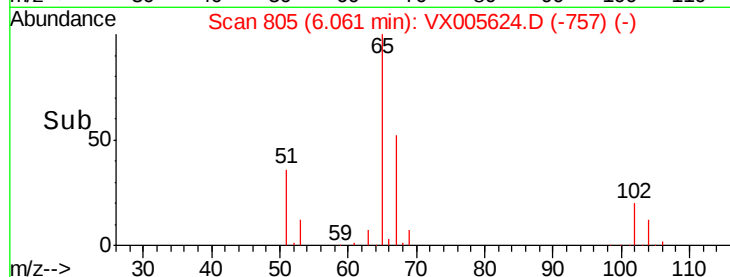
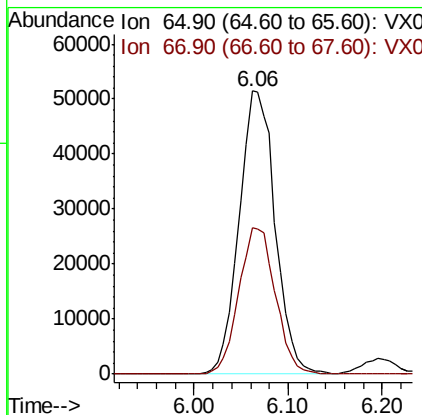
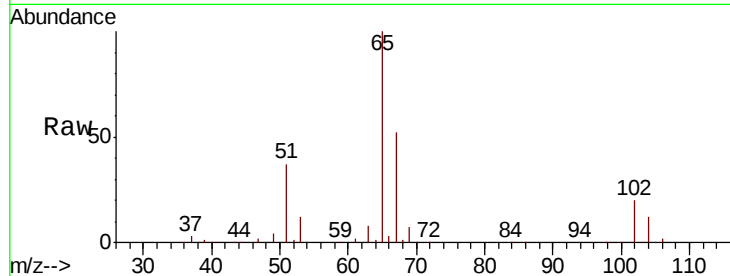
67 52.5 0.0 105.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

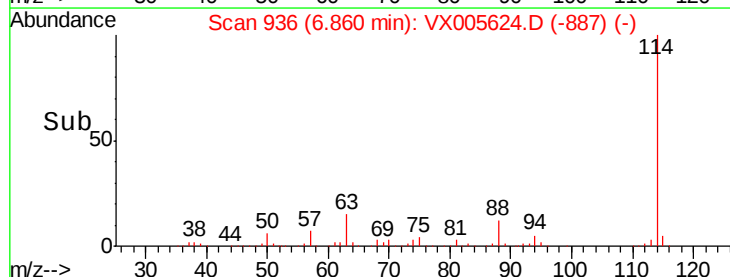
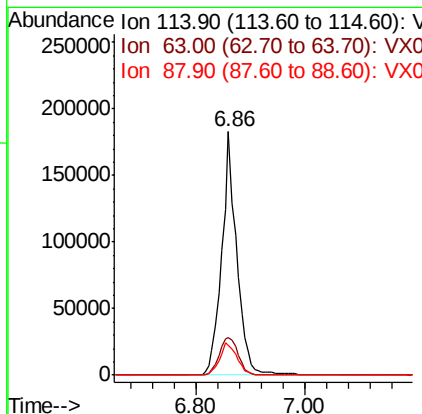
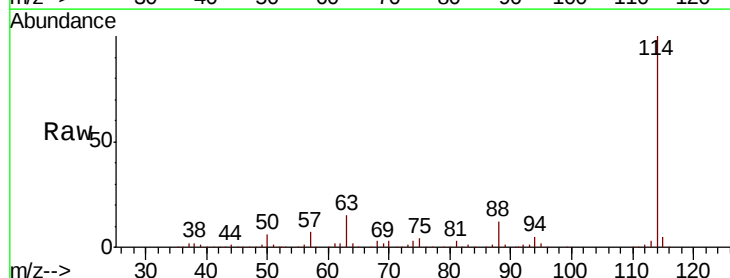
Tgt Ion: 114 Resp: 352731

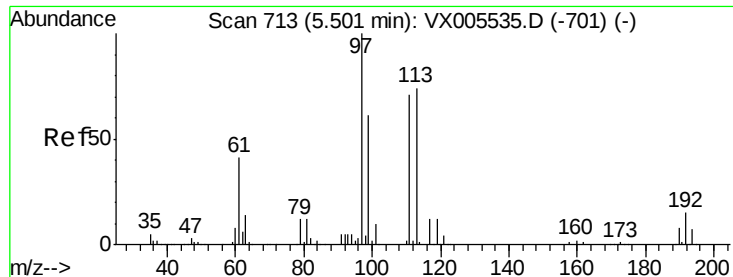
Ion Ratio Lower Upper

114 100

63 15.4 0.0 42.8

88 12.3 0.0 31.2





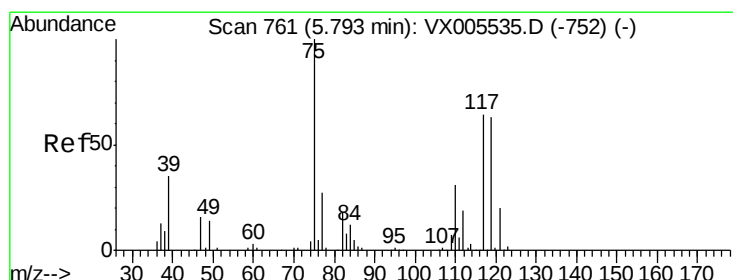
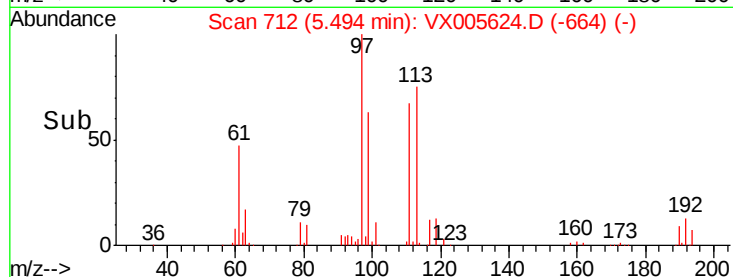
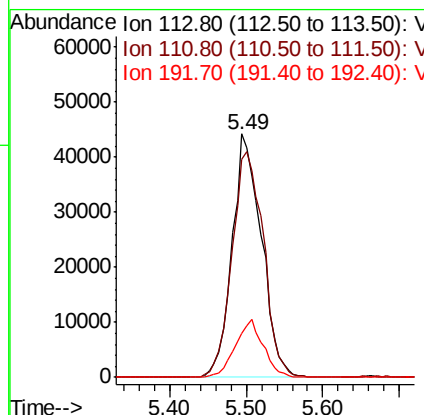
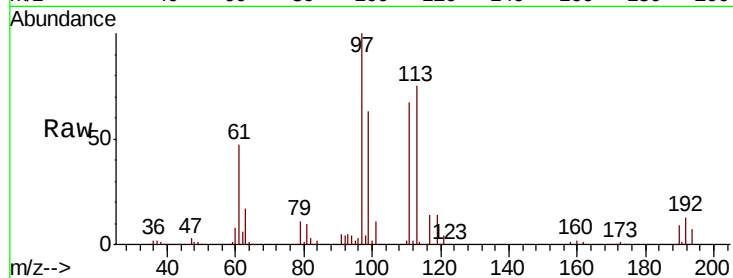
#35
 Dibromofluoromethane
 Concen: 49.166 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	82.3	123.5
192	22.5	17.9	26.9

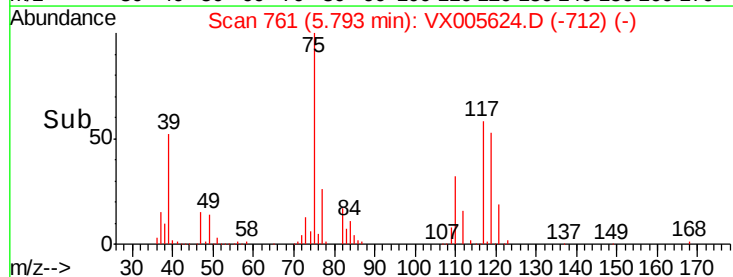
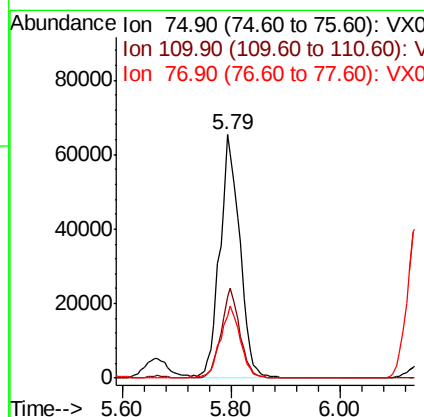
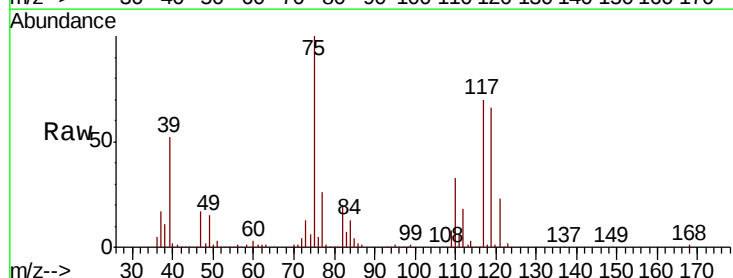
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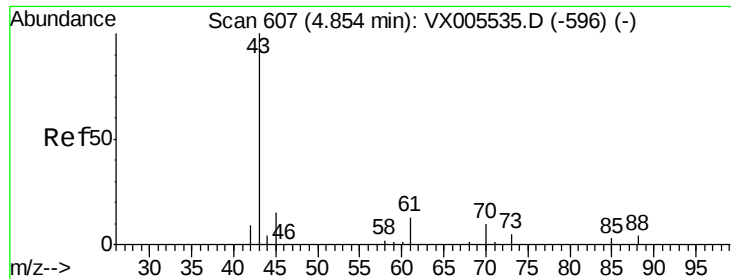
MMDadoda
 10/29/2018 12:43:50 PM



#36
 1,1-Dichloropropene
 Concen: 48.694 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.4	52.2
77	30.1	25.8	38.6





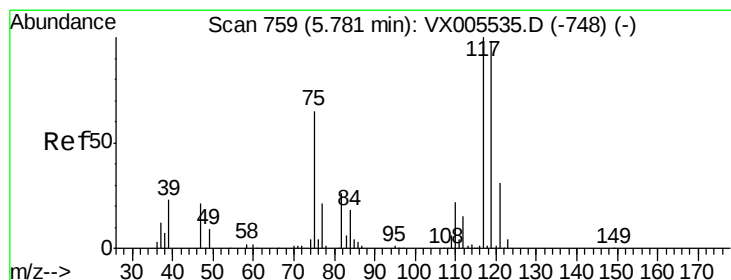
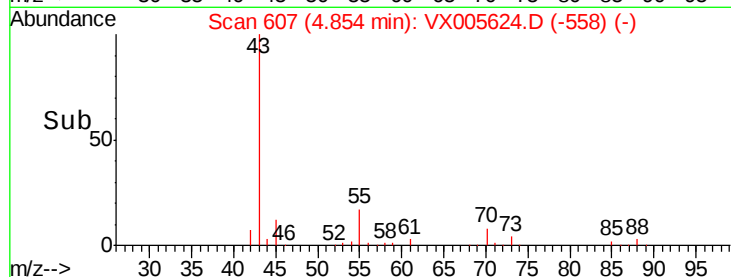
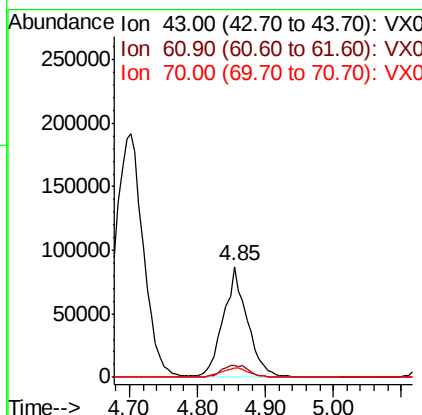
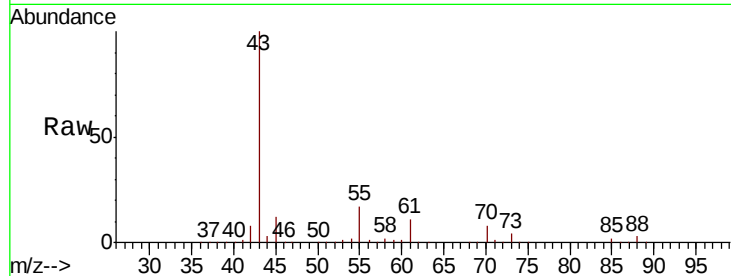
#37
Ethyl Acetate
Concen: 48.863 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	9.7	7.8	11.8

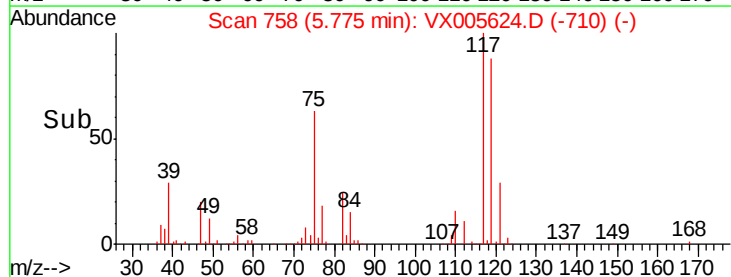
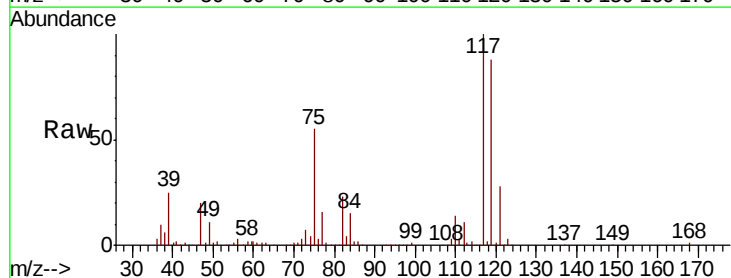
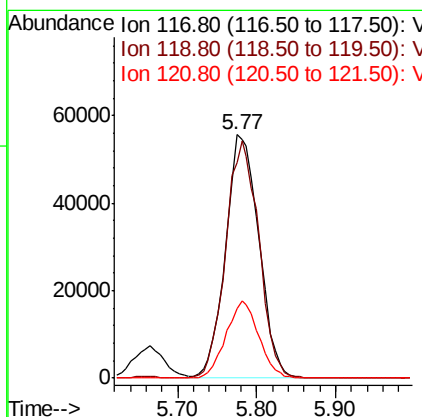
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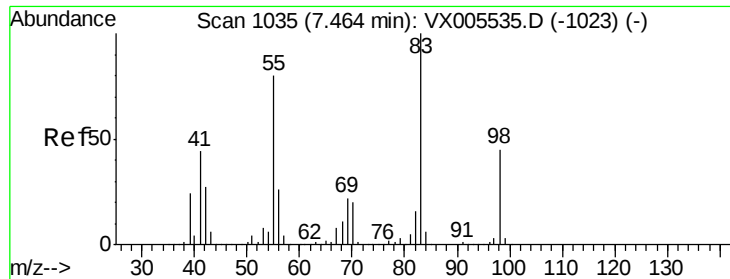
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#38
Carbon Tetrachloride
Concen: 45.582 ug/l
RT: 5.77 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.2	78.1	117.1
121	28.5	24.6	36.8





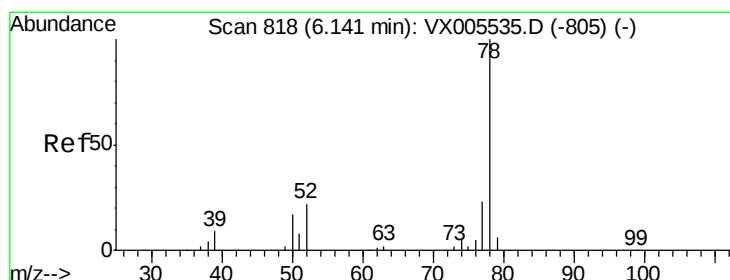
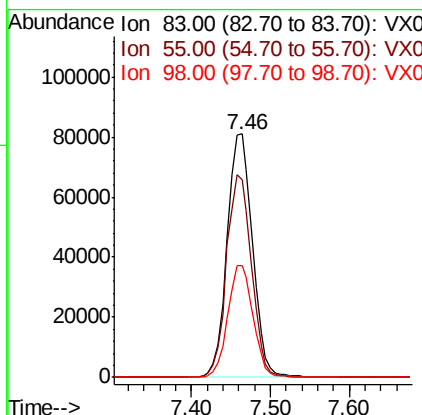
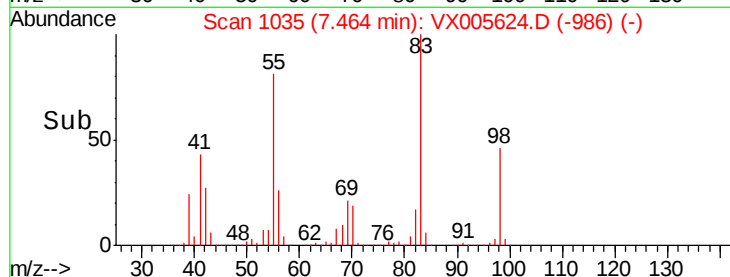
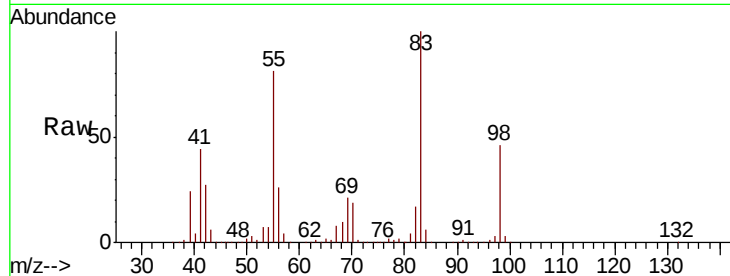
#39
Methvlcvclohexane
Concen: 47.988 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	63.7	95.5
98	46.1	36.2	54.2

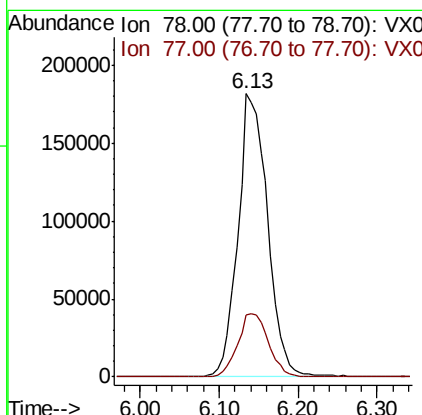
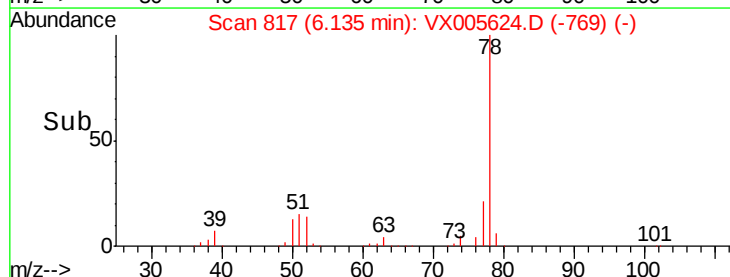
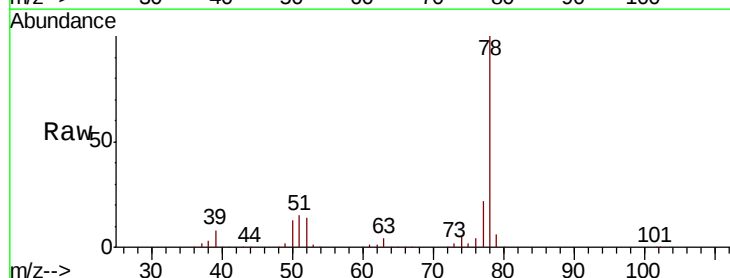
Manual Integrations
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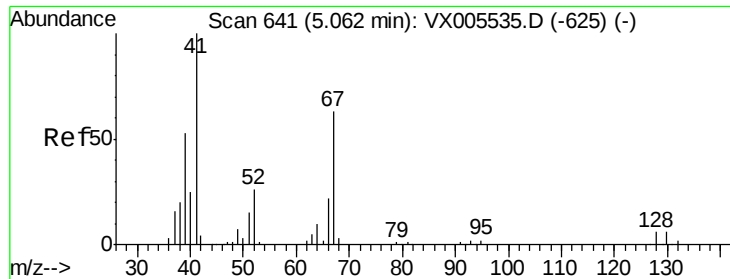
MMDadoda
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#40
Benzene
Concen: 48.379 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.4	27.6





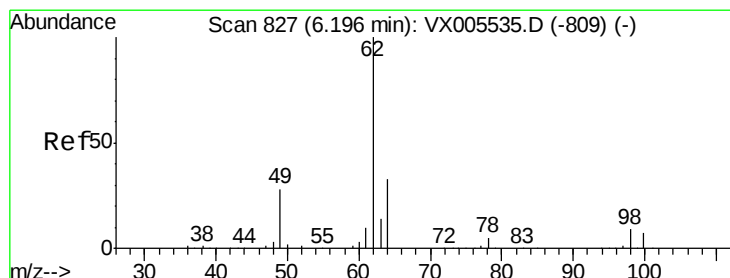
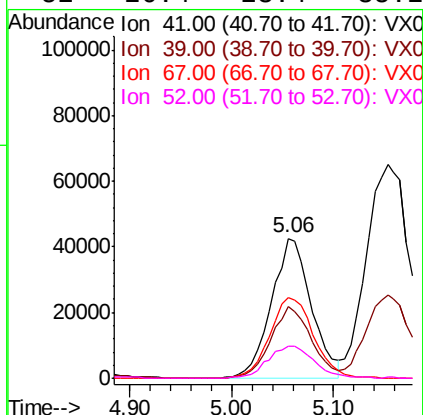
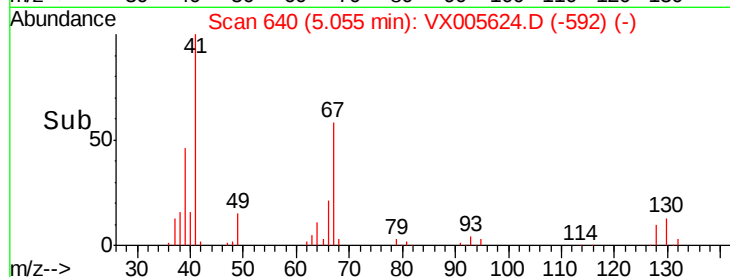
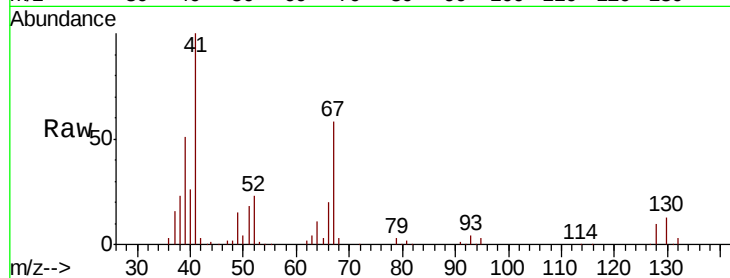
#41
Methacrylonitrile
Concen: 47.212 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.2	63.2	
67	63.9	53.4	80.0	
52	26.4	23.4	35.2	

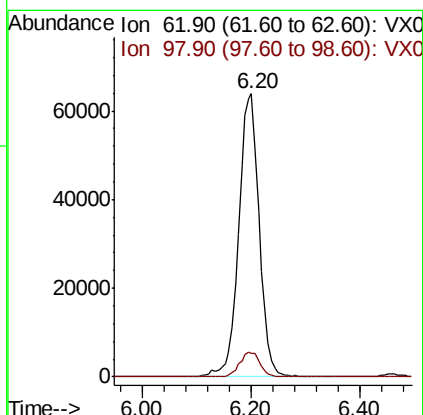
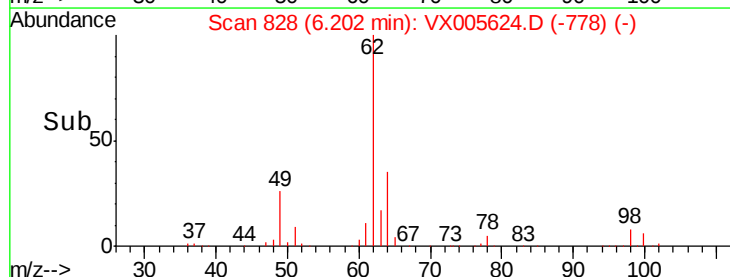
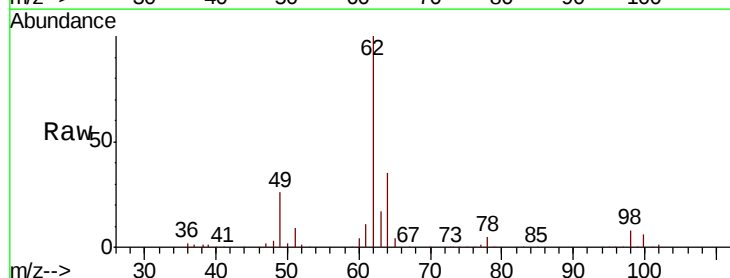
Manual Integrations
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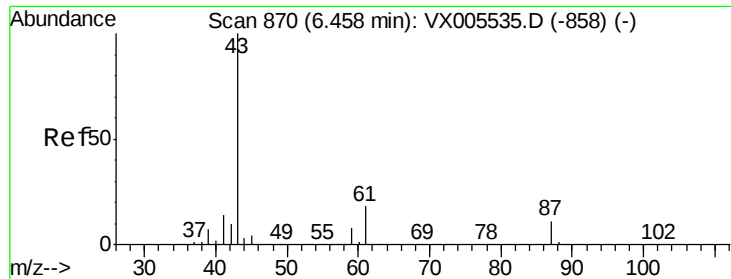
MMDadoda
10/29/2018 12:43:50 PM



#42
1,2-Dichloroethane
Concen: 45.078 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.8	





#43

Isopropyl Acetate

Concen: 47.502 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

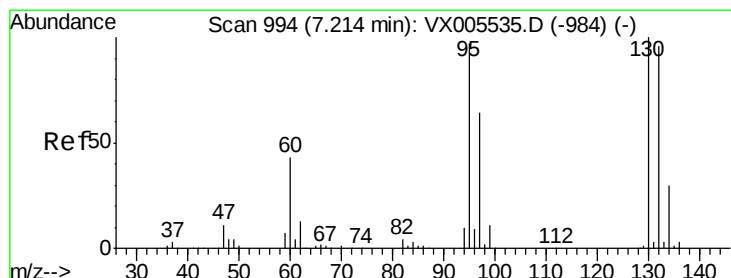
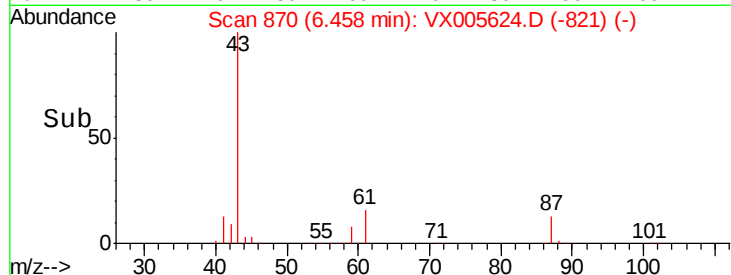
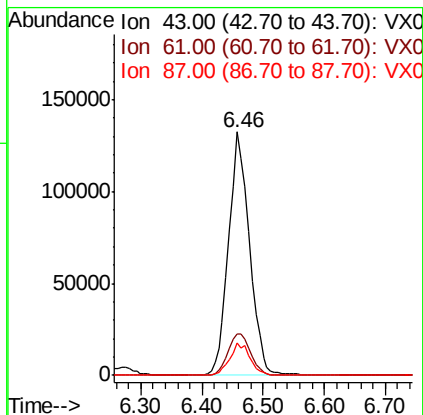
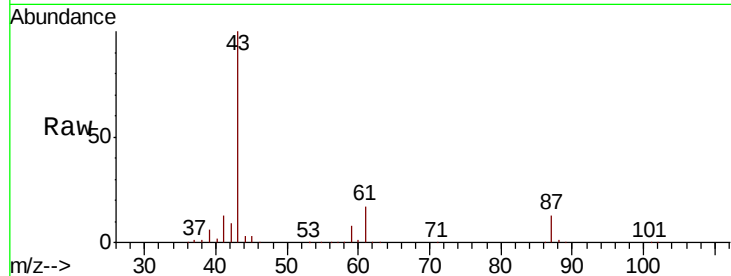
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	310933
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.6	22.0
87	13.0	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 47.317 ug/l

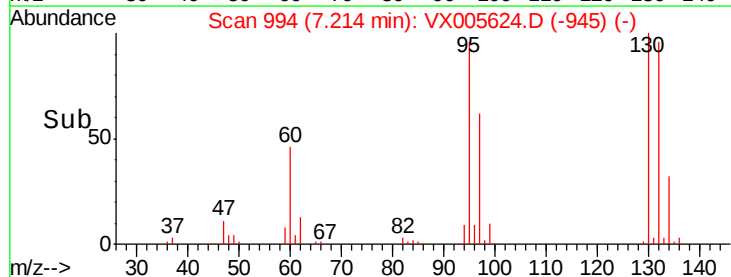
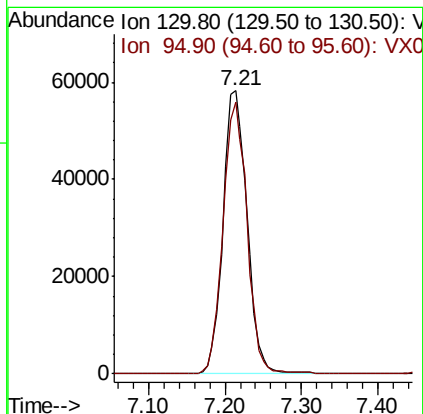
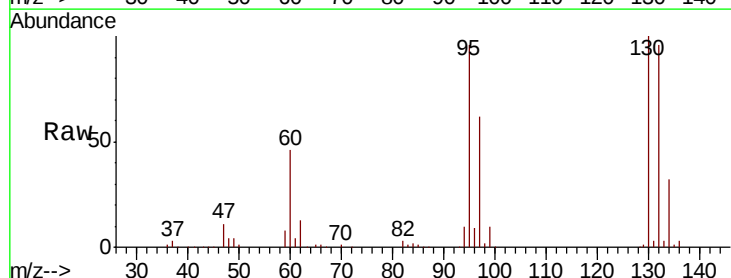
RT: 7.21 min Scan# 994

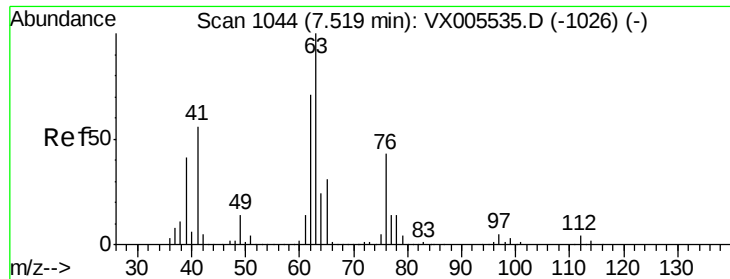
Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion:	130	Resp:	126488
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	194.2





#45

1,2-Dichloropropane

Concen: 46.297 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 122139

Ion Ratio Lower Upper

63 100

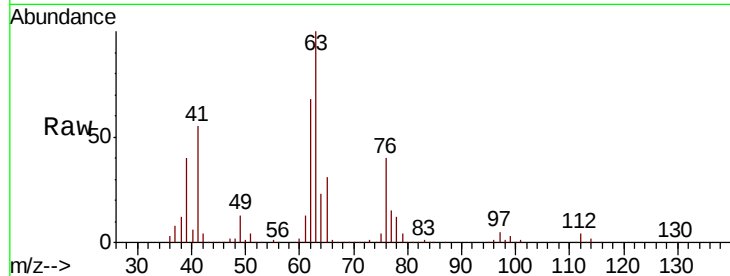
65 30.5 24.8 37.2

Manual Integrations

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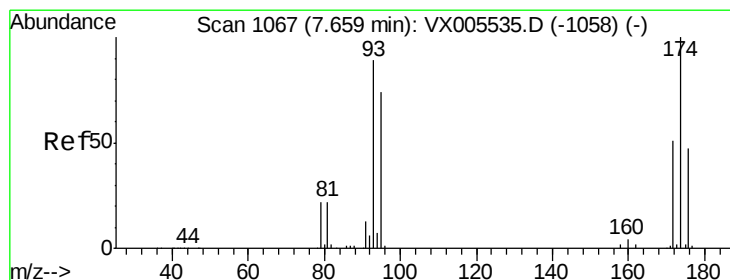
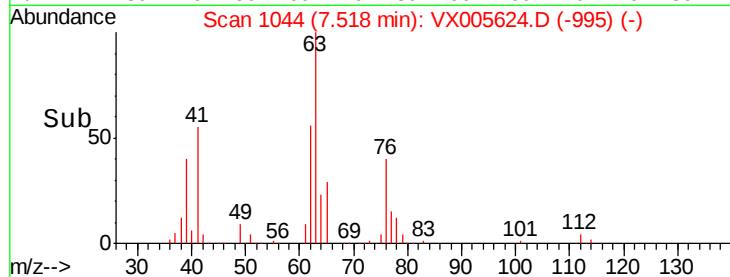
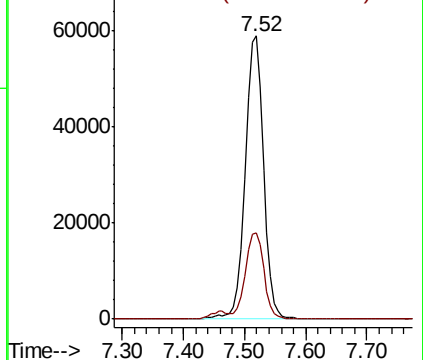
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 45.405 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

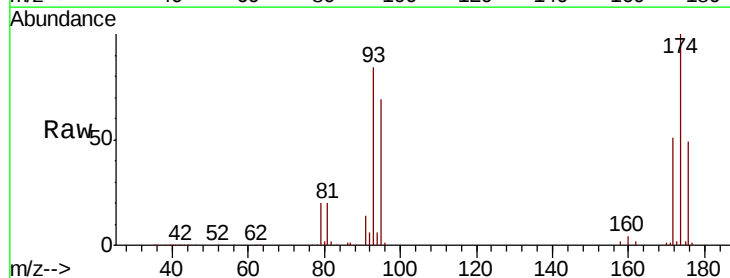
Tgt Ion: 93 Resp: 77366

Ion Ratio Lower Upper

93 100

95 83.0 67.4 101.0

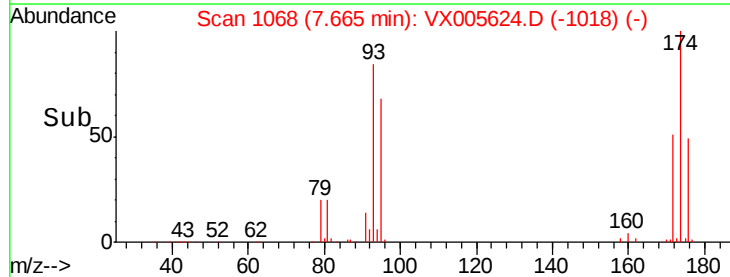
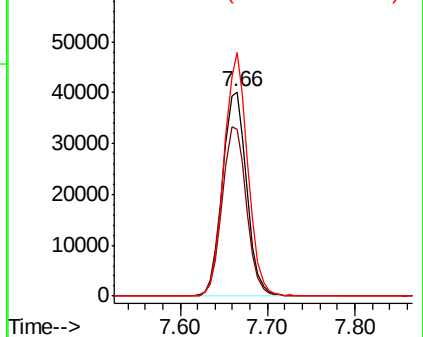
174 115.9 91.5 137.3

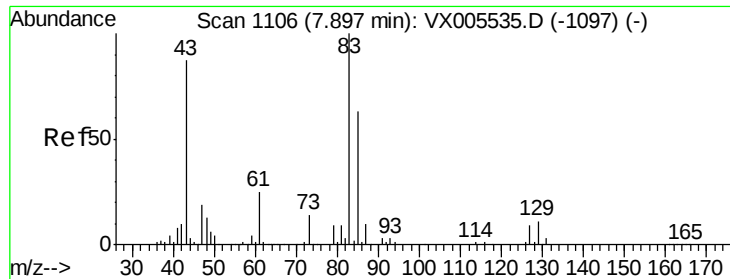


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





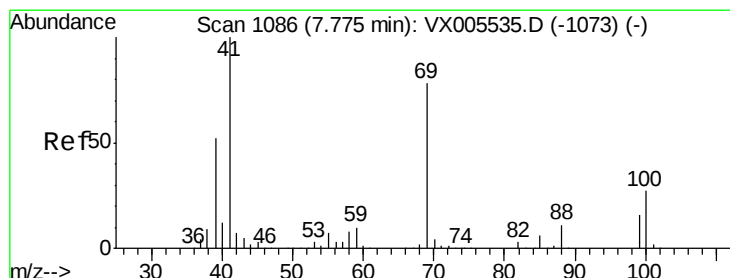
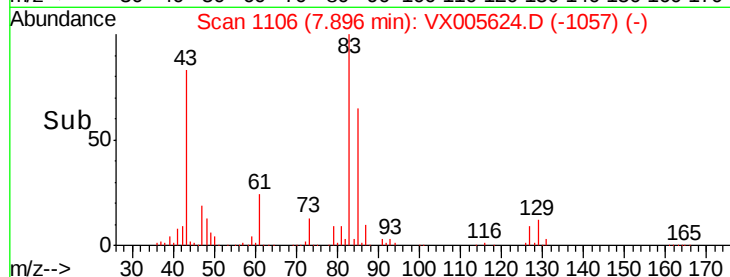
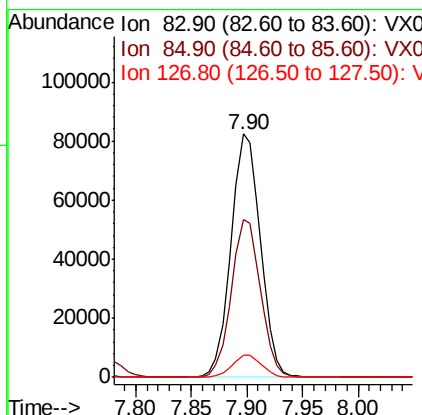
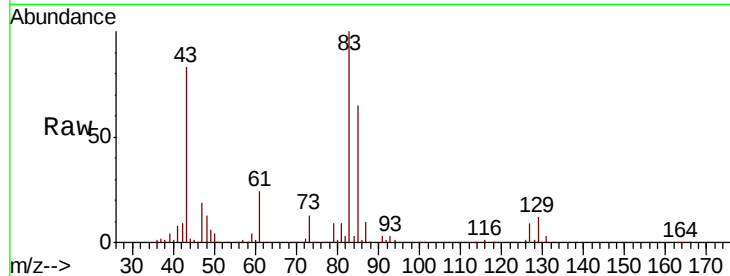
#47
Bromodichloromethane
Concen: 45.725 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.4
127	9.2	6.9	10.3

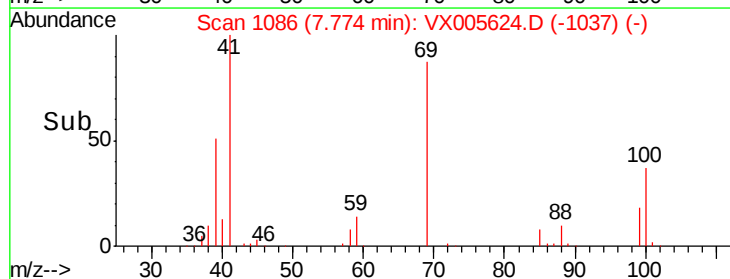
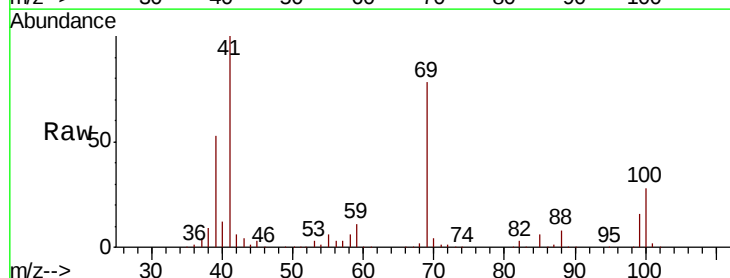
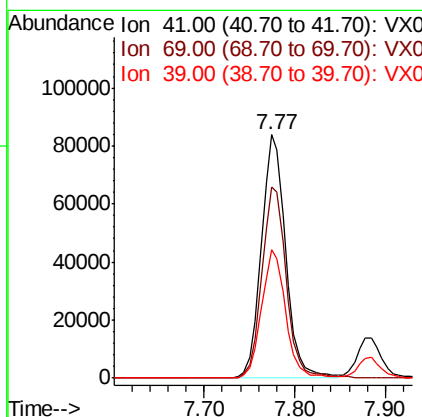
Manual Integrations
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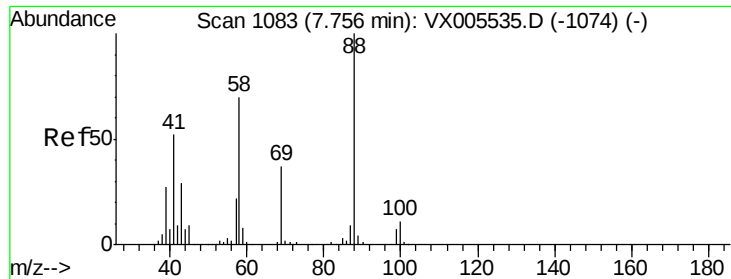
MMDadoda
10/29/2018 12:43:50 PM



#48
Methyl methacrylate
Concen: 48.567 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.5	63.2	94.8
39	52.3	42.2	63.2





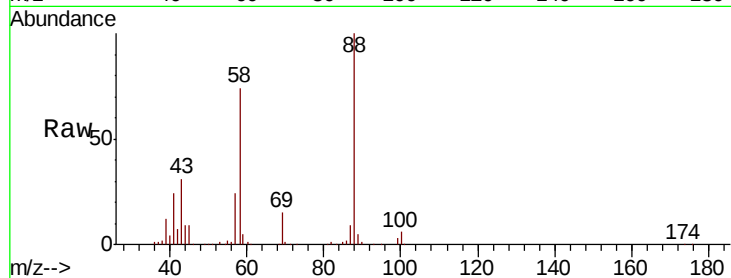
#49
1,4-Dioxane
Concen: 834.202 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.4	41.0
58	74.4	59.4	89.2

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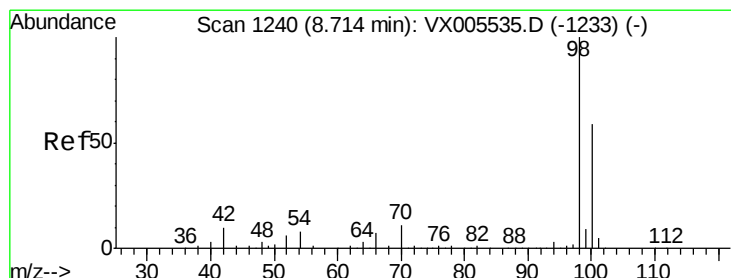
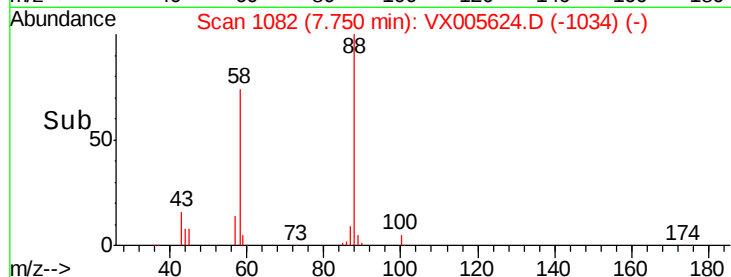
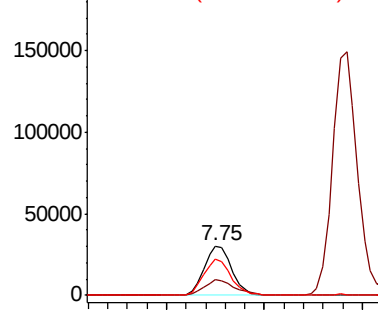


Abundance

Ion 88.00 (87.70 to 88.70): VX0

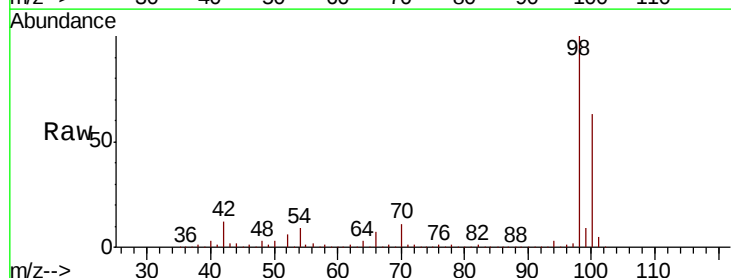
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 47.537 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

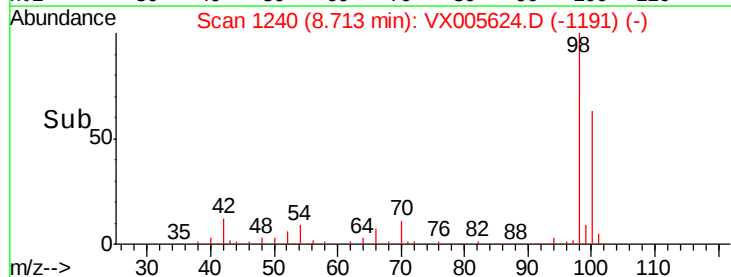
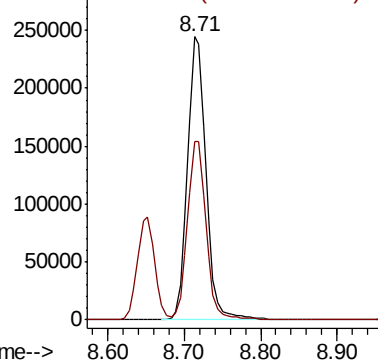
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9

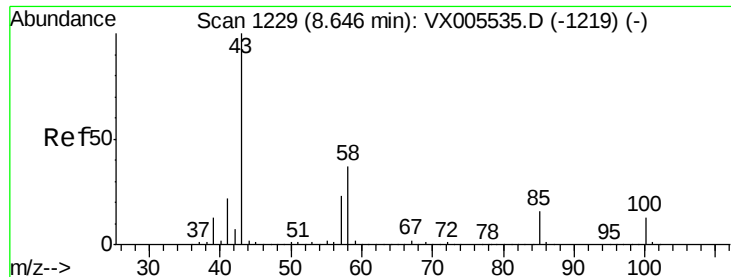


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 232.990 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1024957

Ion Ratio Lower Upper

43 100

58 37.7

29.7

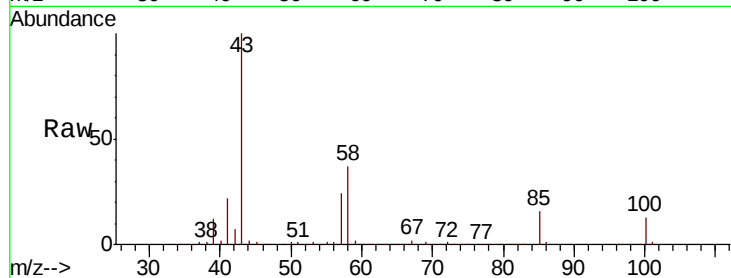
44.5

Manual Integrations

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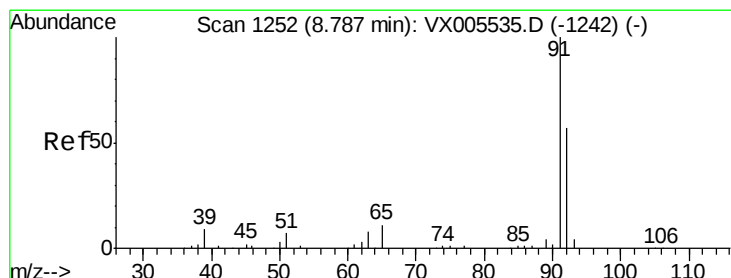
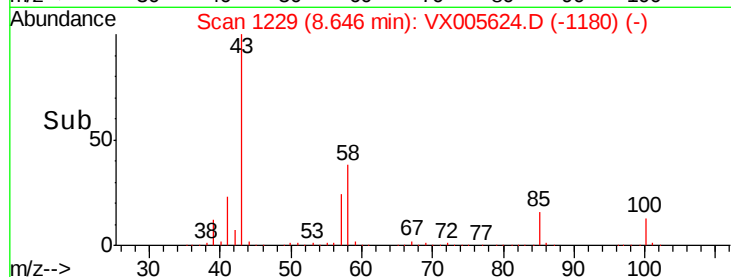
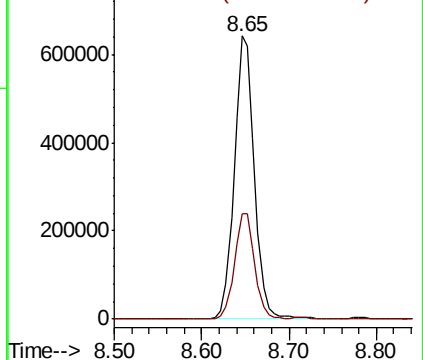
MMDadoda

10/29/2018 12:43:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.460 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion: 92 Resp: 283035

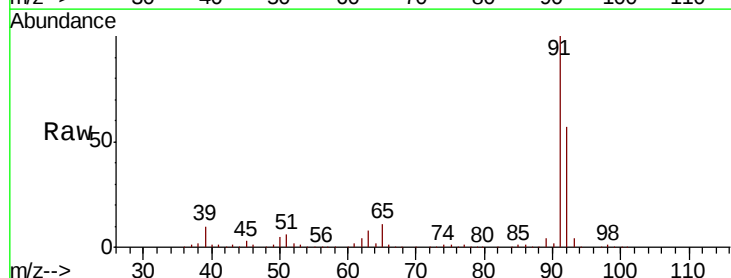
Ion Ratio Lower Upper

92 100

91 174.9

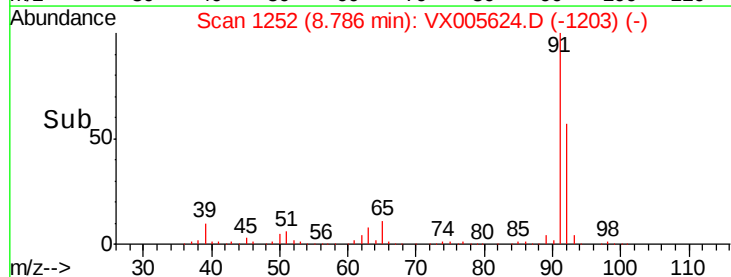
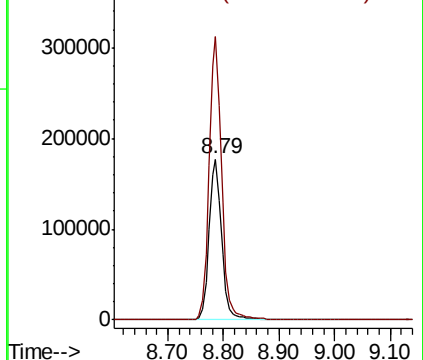
140.4

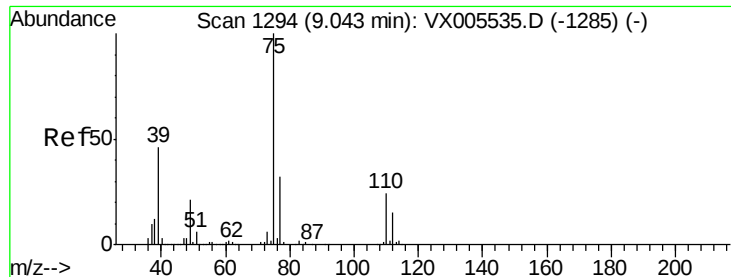
210.6



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: 47.416 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 169471

Ion Ratio Lower Upper

75 100

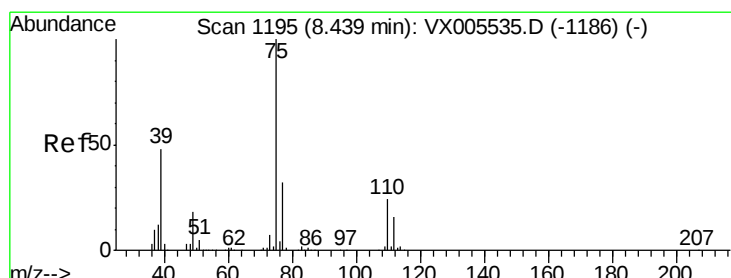
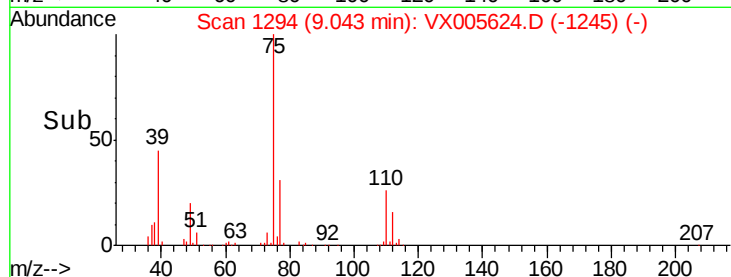
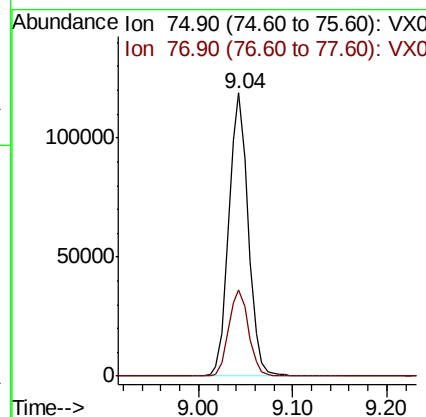
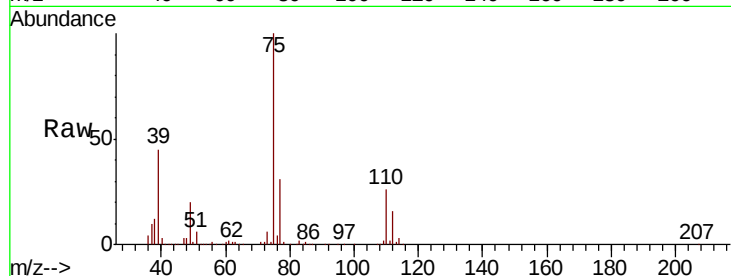
77 30.6 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 47.518 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

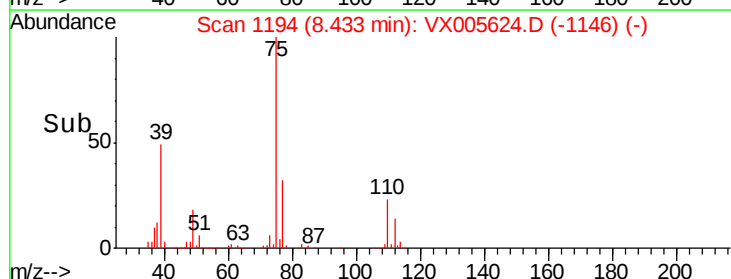
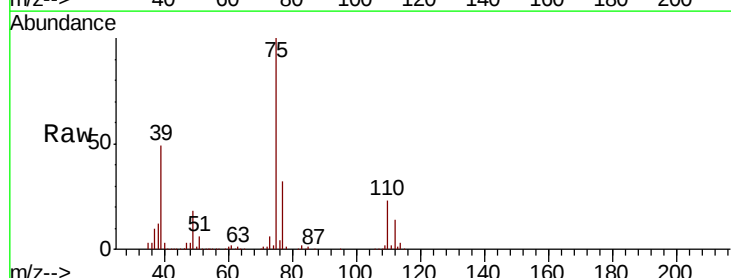
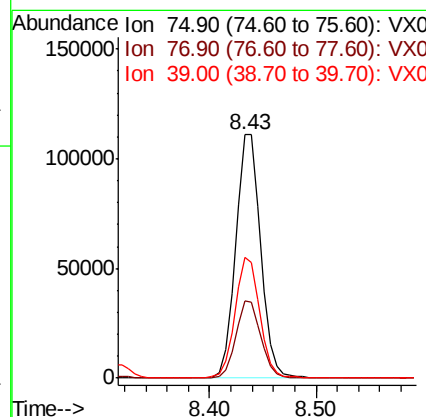
Tgt Ion: 75 Resp: 182849

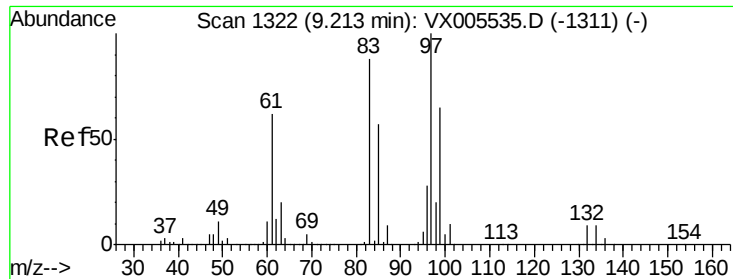
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 49.2 38.2 57.2





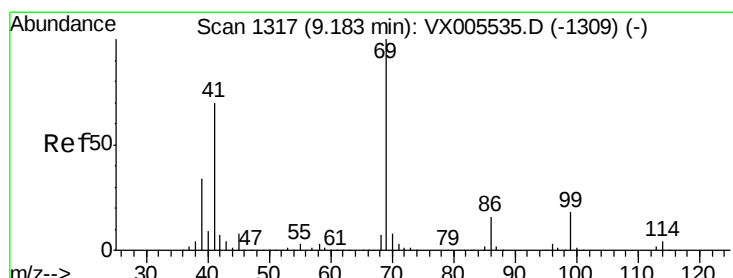
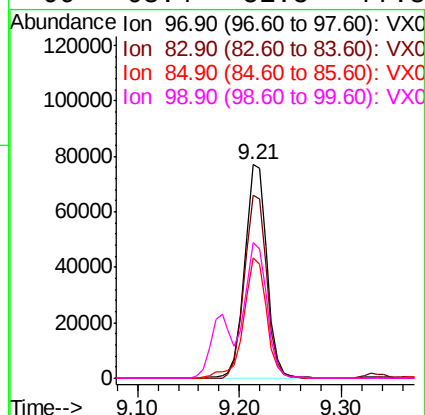
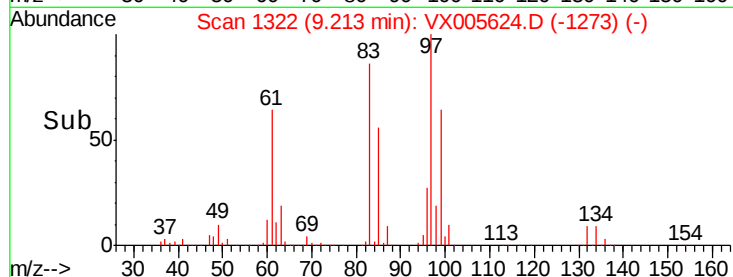
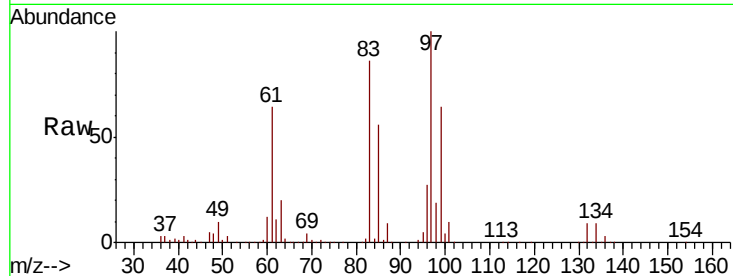
#55
 1,1,2-Trichloroethane
 Concen: 45.990 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	115633
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.7	106.1
85	56.2	45.8	68.6
99	63.4	51.8	77.8

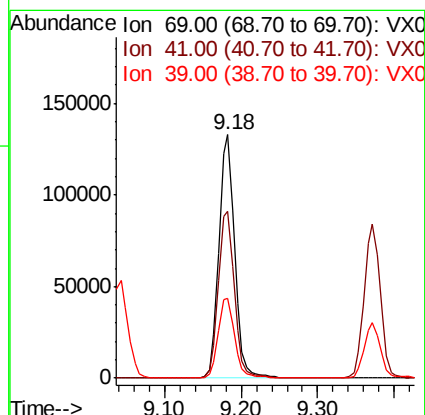
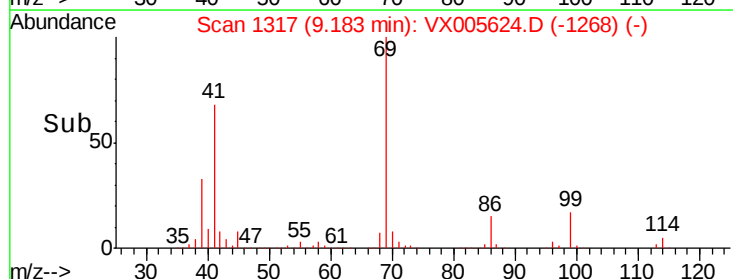
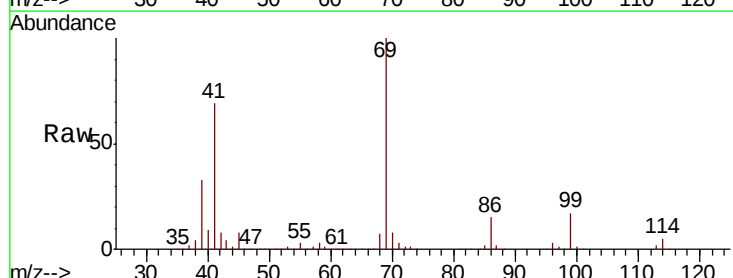
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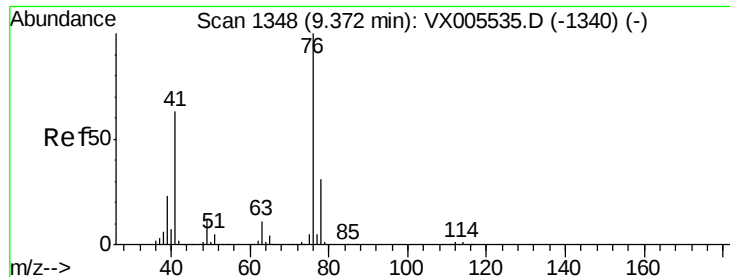
MMDadoda
 10/29/2018 12:43:50 PM



#56
 Ethyl methacrylate
 Concen: 50.452 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion:	69	Resp:	189212
Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.0	85.6
39	34.1	28.3	42.5





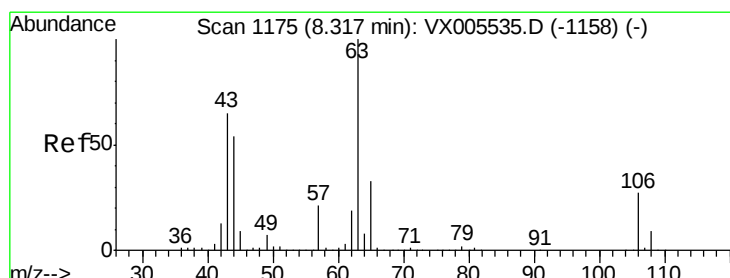
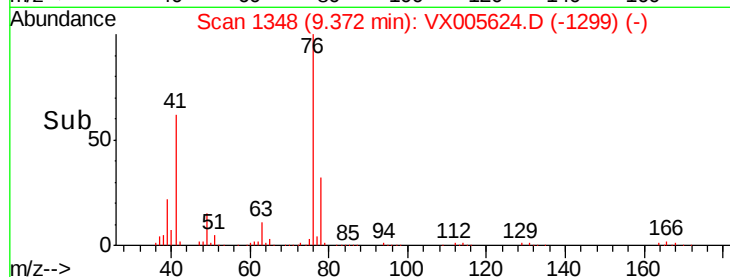
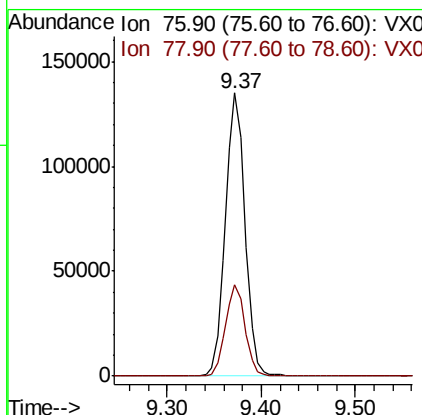
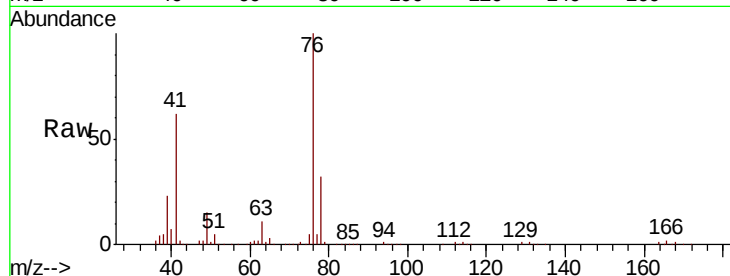
#57
 1,3-Dichloropropane
 Concen: 45.932 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 195408
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9

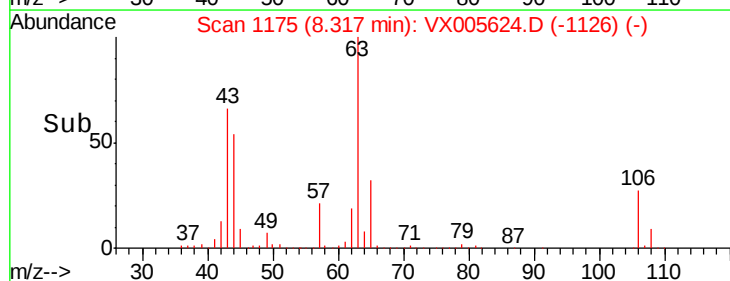
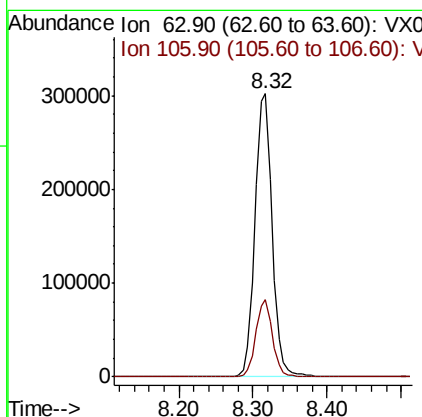
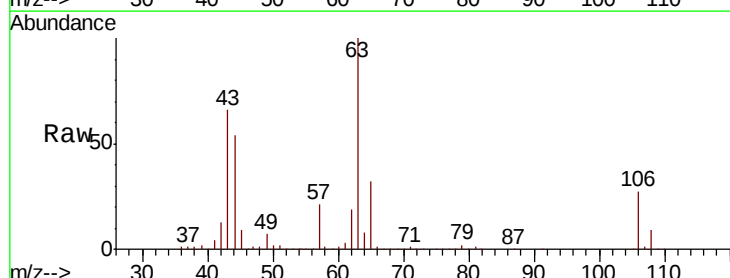
Manual Integrations
 APPROVED

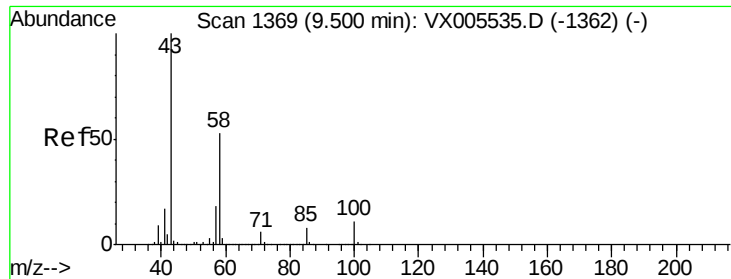
MMDadoda
 10/29/2018 12:43:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.950 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion: 63 Resp: 490030
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.3 31.9





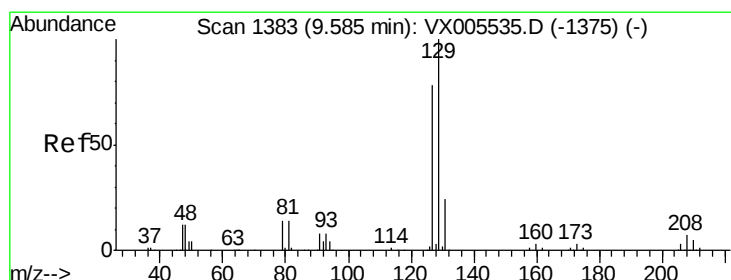
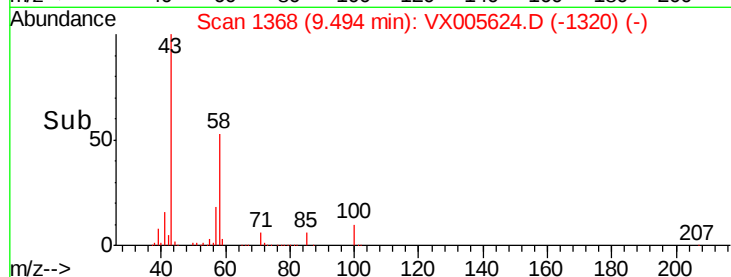
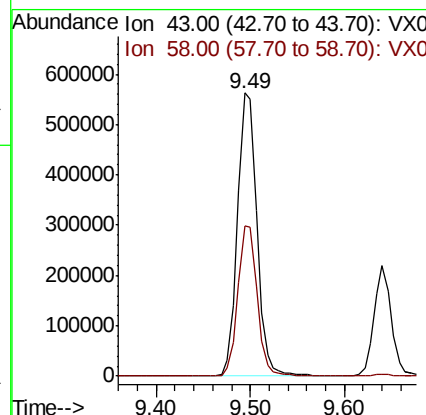
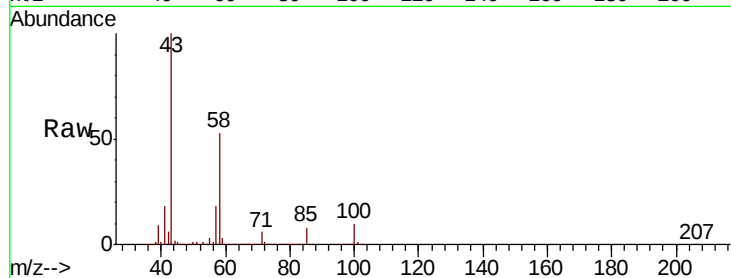
#59
2-Hexanone
Concen: 232.847 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 807633
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8

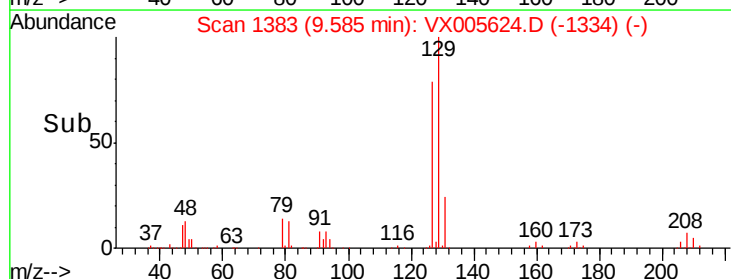
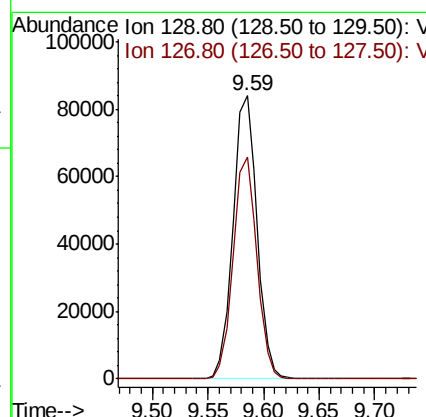
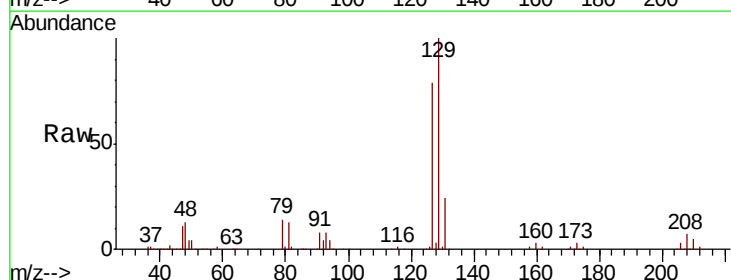
Manual Integrations
APPROVED

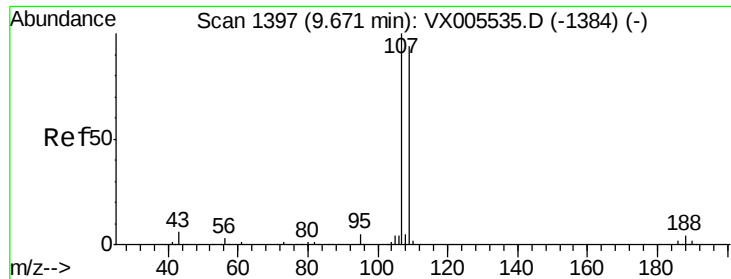
MMDadoda
10/29/2018 12:43:50 PM



#60
Dibromochloromethane
Concen: 47.718 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 129 Resp: 125179
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 46.946 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 122114

Ion Ratio Lower Upper

107 100

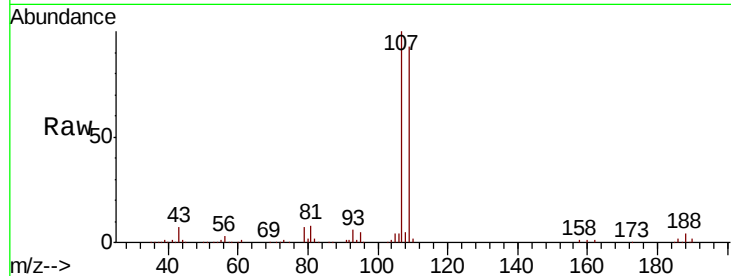
109 94.6 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

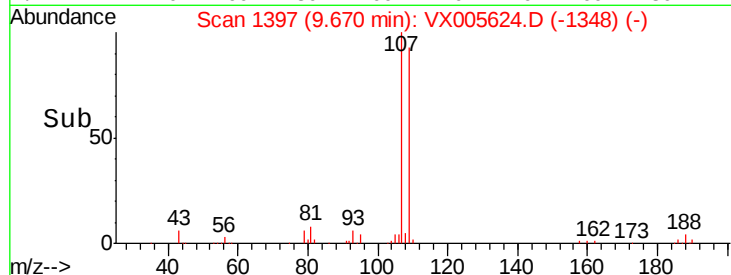
10/29/2018 12:43:50 PM



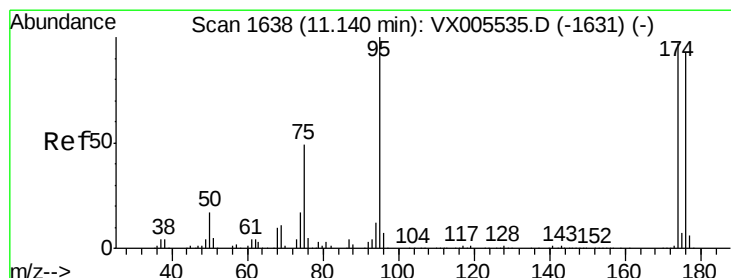
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 47.296 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

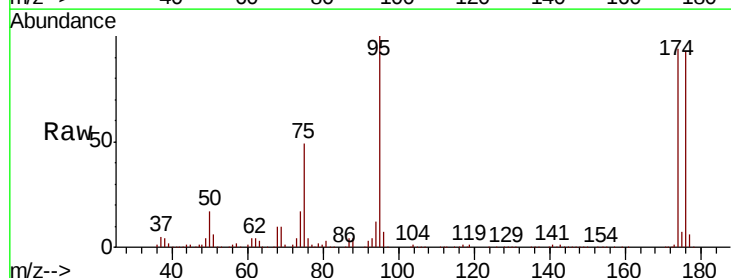
Tgt Ion: 95 Resp: 153286

Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.4

176 89.6 0.0 177.4

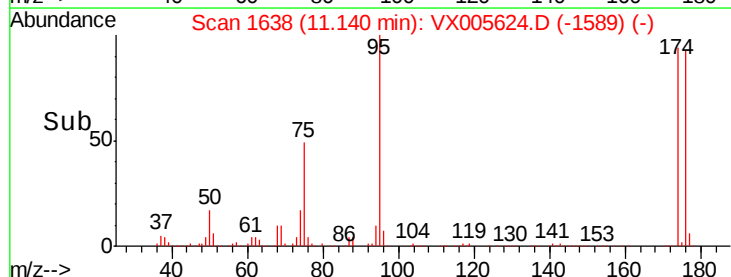


Abundance Ion 94.90 (94.60 to 95.60): VX0

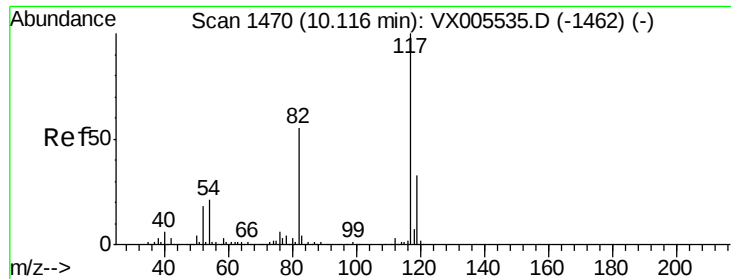
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14



Time--> 11.10 11.20



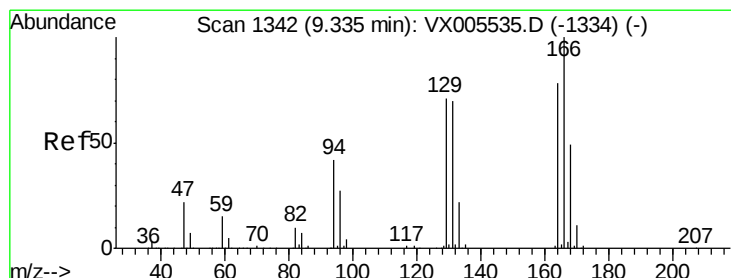
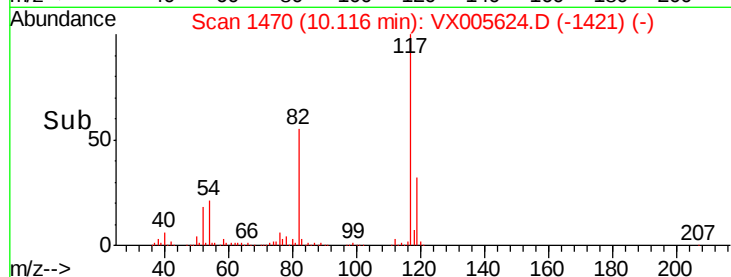
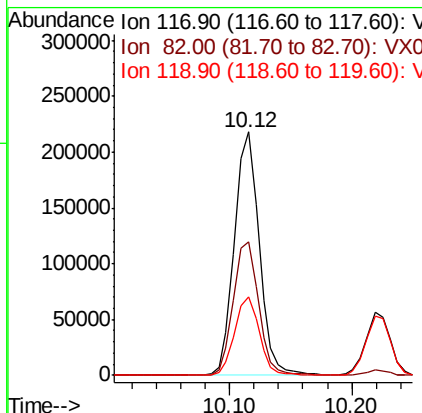
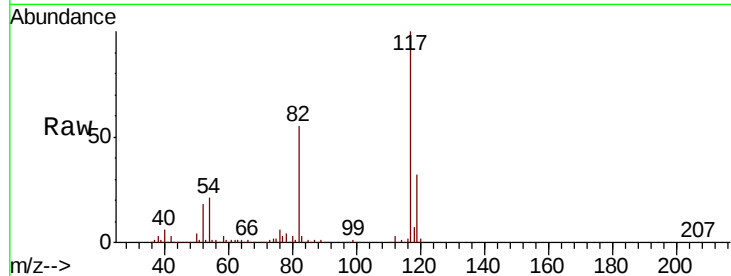
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.1	66.1
119	32.3	26.2	39.2

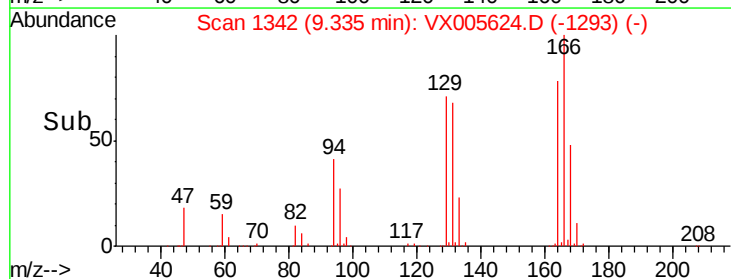
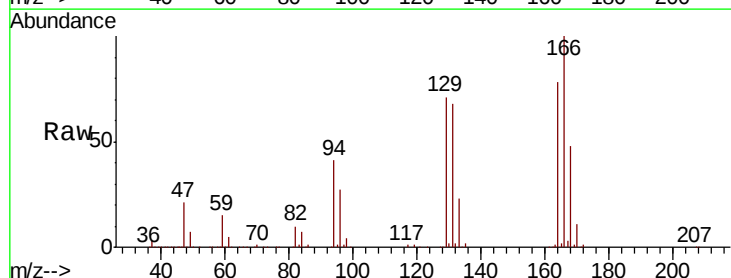
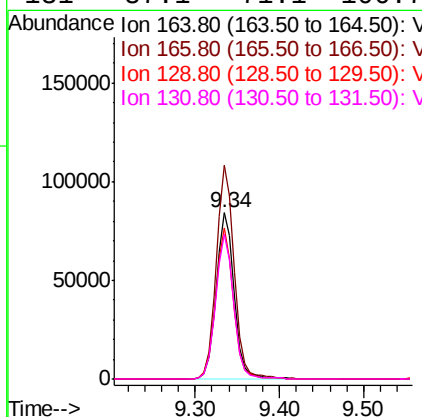
Manual Integrations
APPROVED

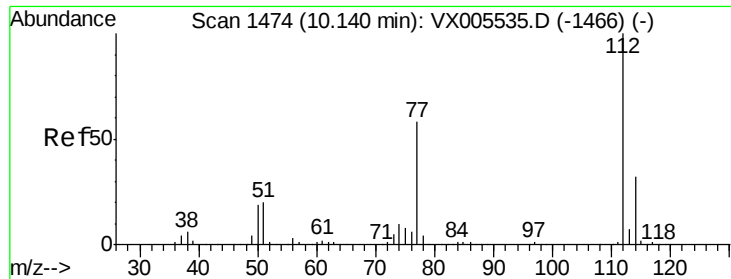
MMDadoda
10/29/2018 12:43:50 PM



#64
Tetrachloroethene
Concen: 48.967 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.9	152.9
129	90.8	72.6	109.0
131	87.1	71.1	106.7





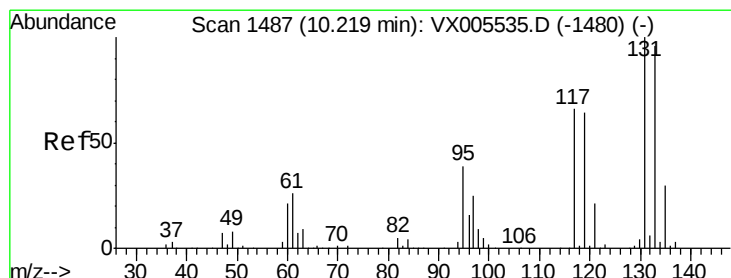
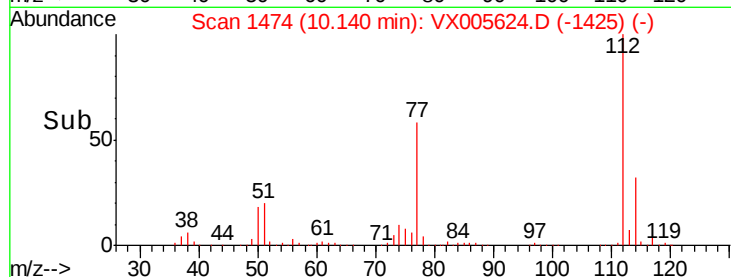
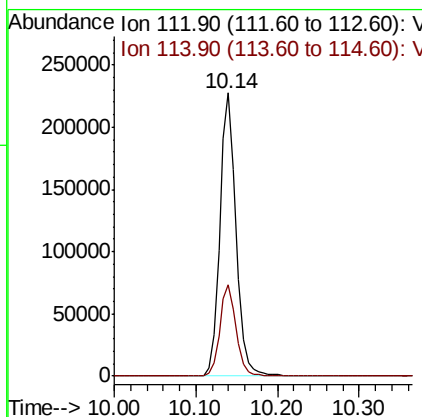
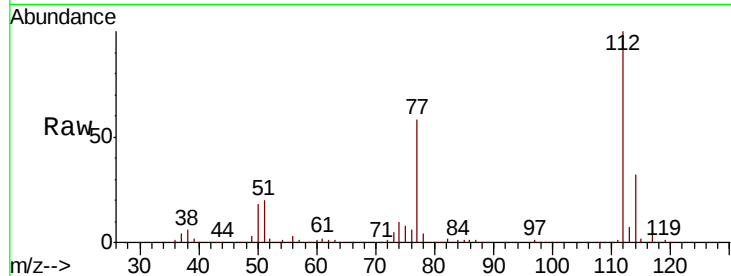
#65
Chlorobenzene
Concen: 48.425 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 315998
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

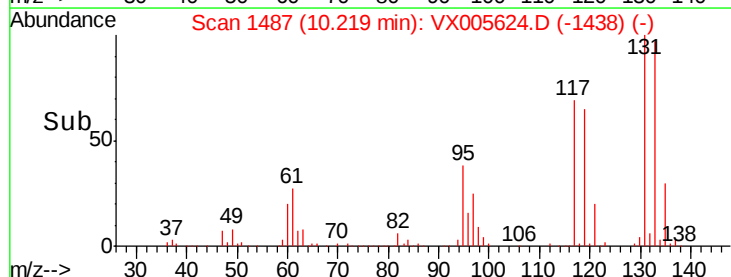
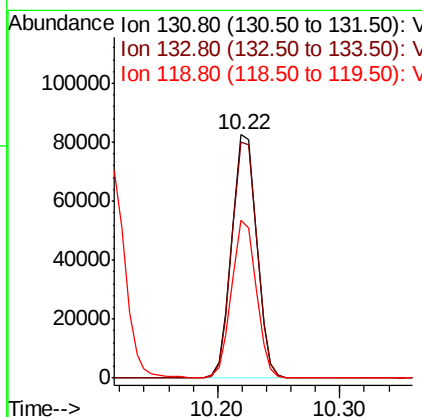
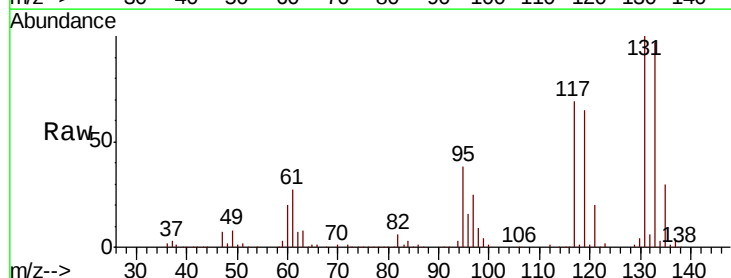
Manual Integrations
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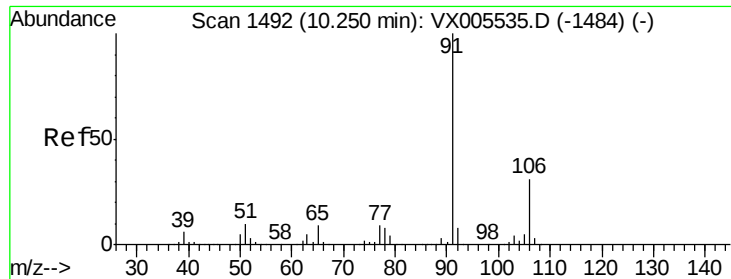
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.010 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion:131 Resp: 116614
Ion Ratio Lower Upper
131 100
133 97.9 47.5 142.5
119 63.9 31.8 95.3





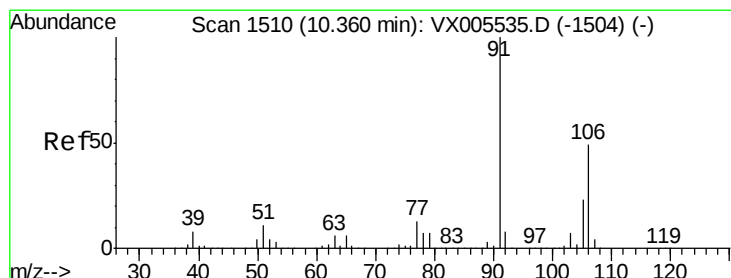
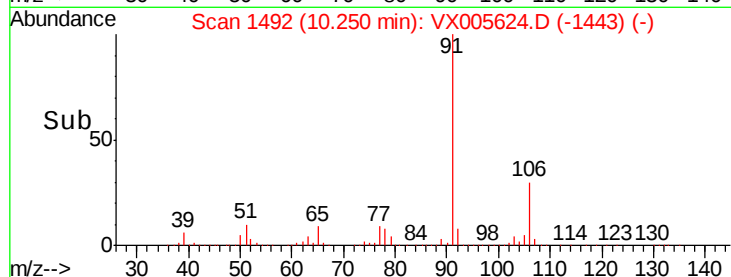
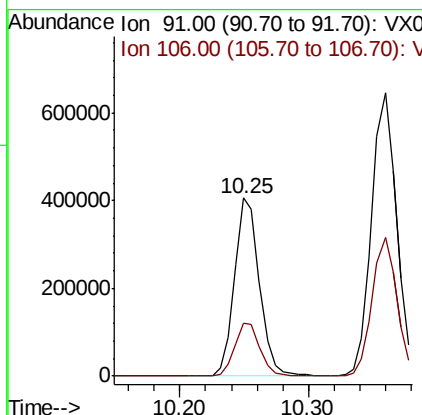
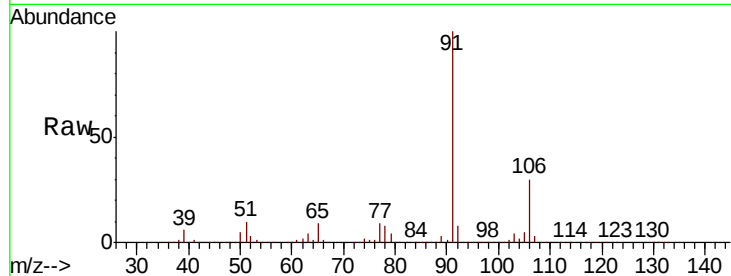
#67
Ethyl Benzene
Concen: 51.386 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 551691
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

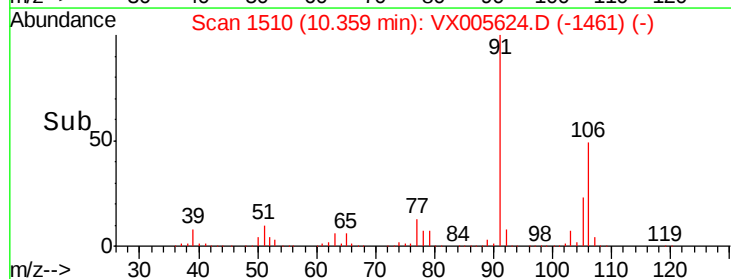
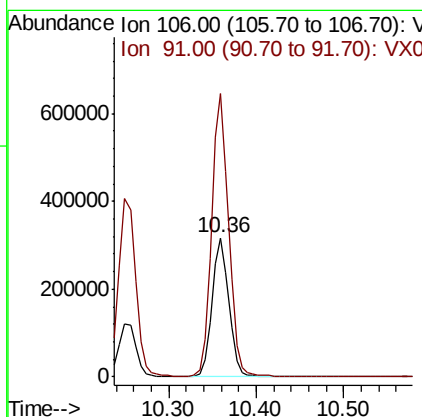
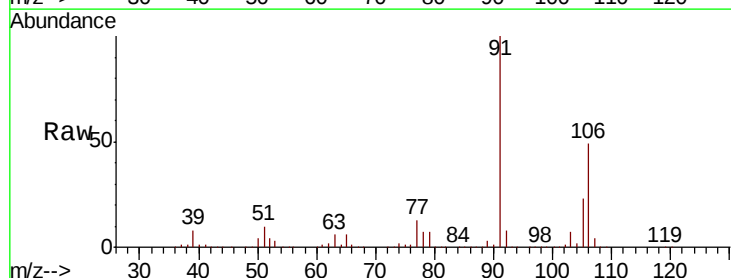
Manual Integrations
APPROVED

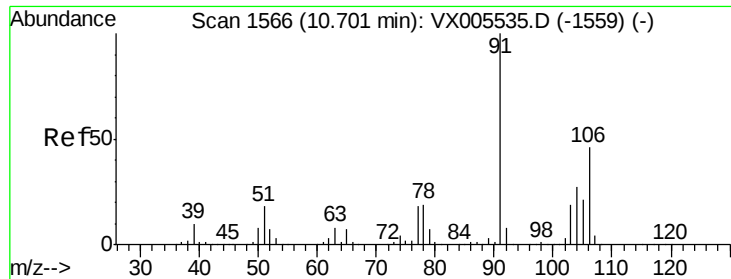
MMDadoda
10/29/2018 12:43:50 PM



#68
m/p-Xylenes
Concen: 101.832 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion: 106 Resp: 424170
Ion Ratio Lower Upper
106 100
91 205.5 164.2 246.4





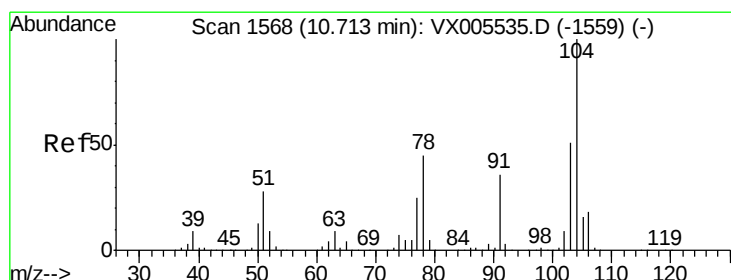
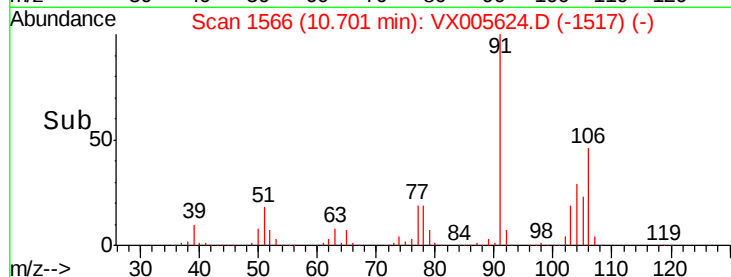
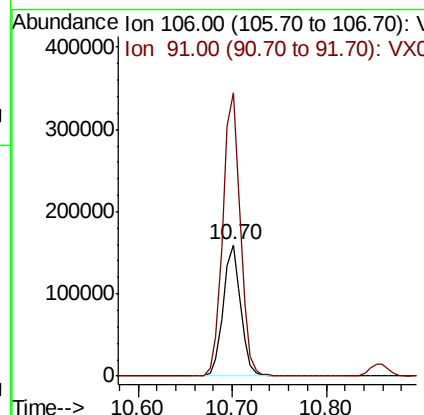
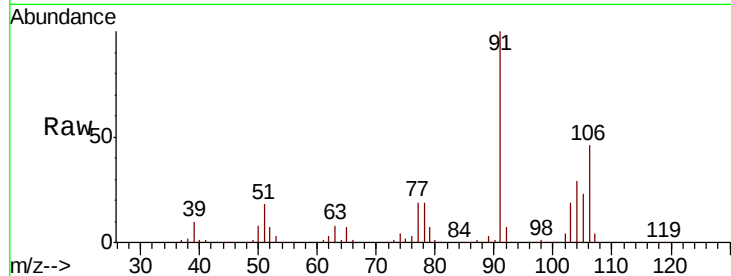
#69
o-Xylene
Concen: 52.384 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.2	108.5	325.5	

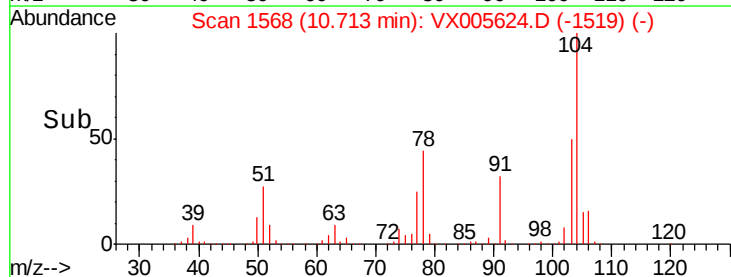
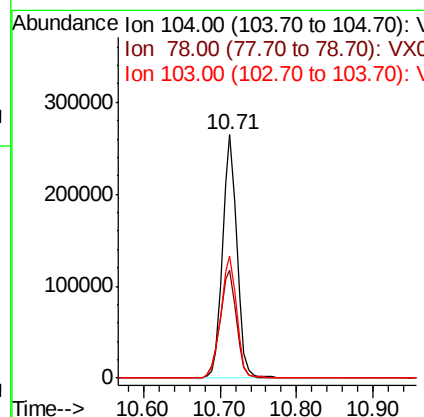
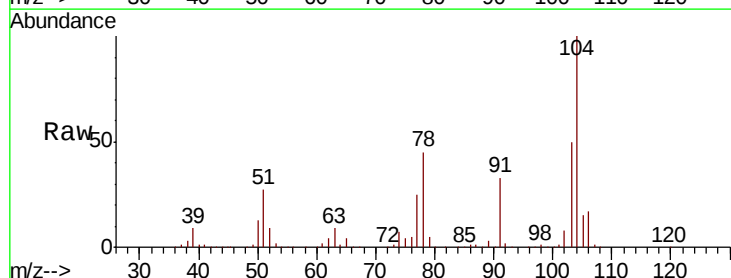
Manual Integrations
APPROVED

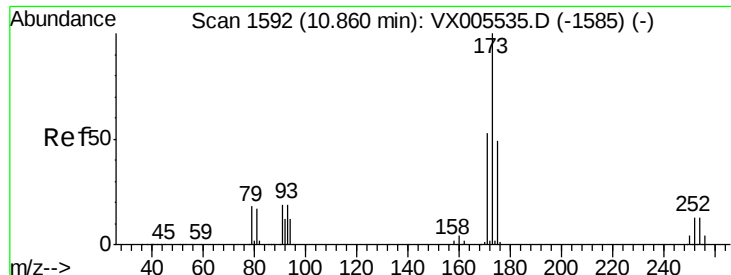
MMDadoda
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#70
Styrene
Concen: 52.704 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.5	40.2	60.4	
103	55.4	44.9	67.3	





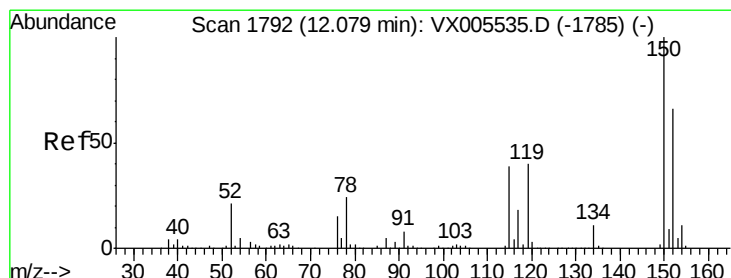
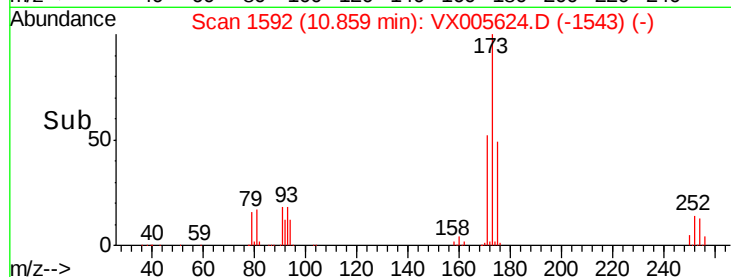
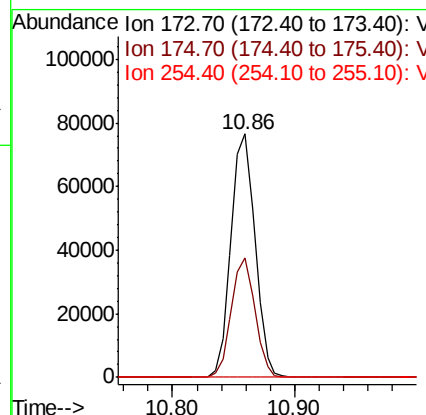
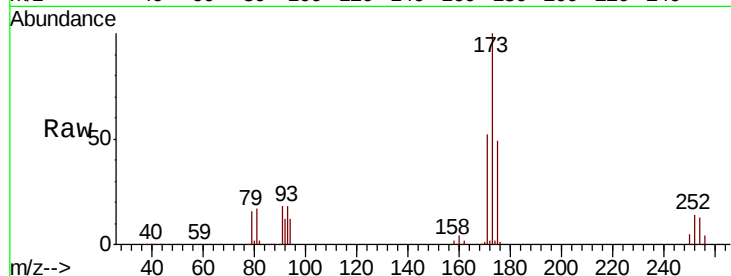
#71
Bromoform
Concen: 49.166 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.2	0.2	0.2

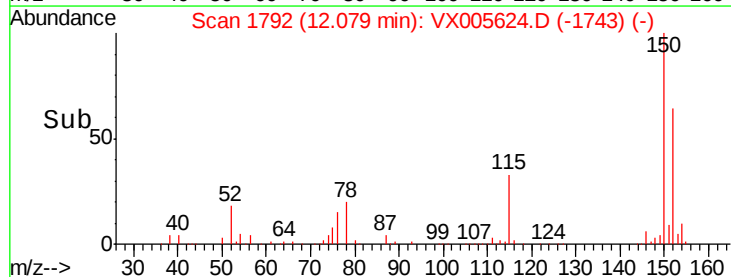
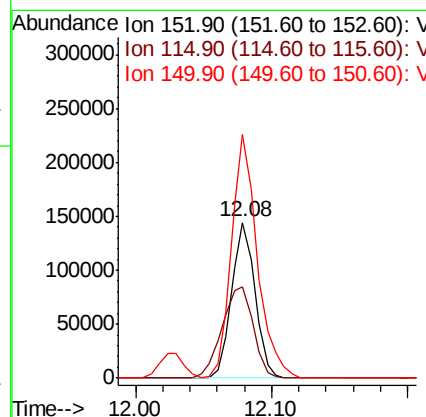
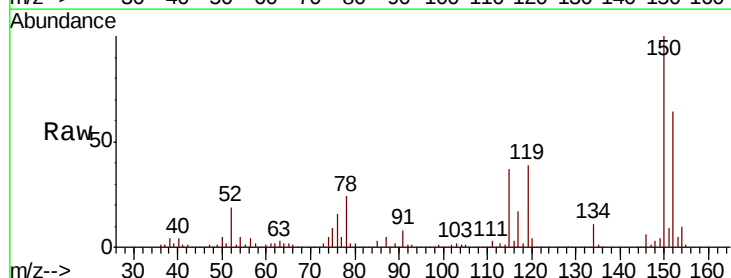
Manual Integrations
APPROVED

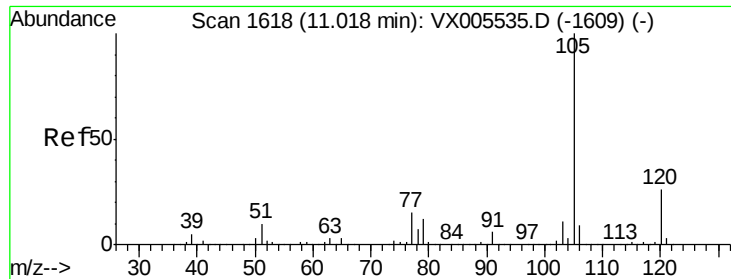
MMDadoda
10/29/2018 12:43:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.6	39.4	118.1
150	172.1	0.0	346.4





#73

Isopropylbenzene

Concen: 53.069 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 559081

Ion Ratio Lower Upper

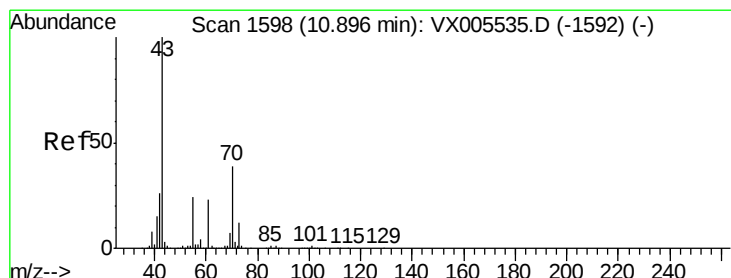
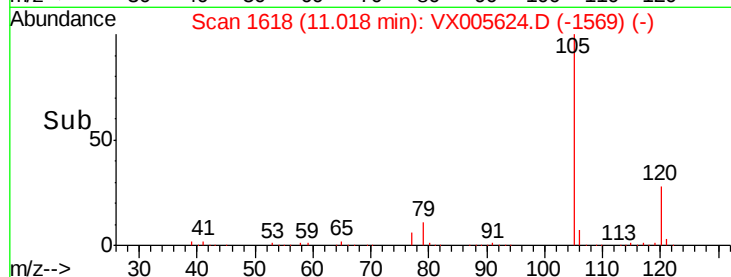
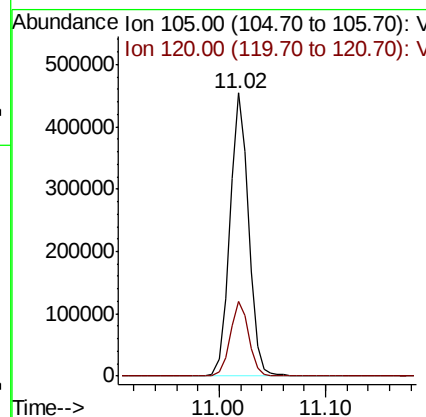
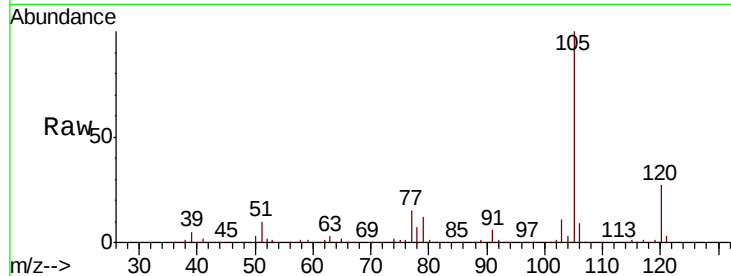
105 100

120 26.3 13.1 39.3

Manual Integrations
APPROVED

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10/29/2018 12:43:50 PM



#74

N-ethyl acetate

Concen: 53.078 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion: 43 Resp: 277071

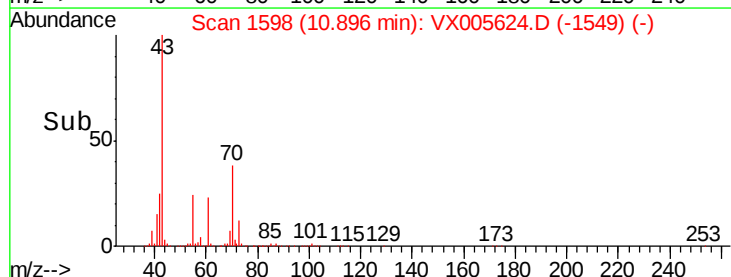
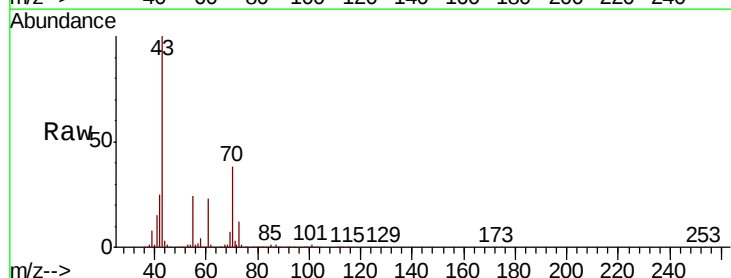
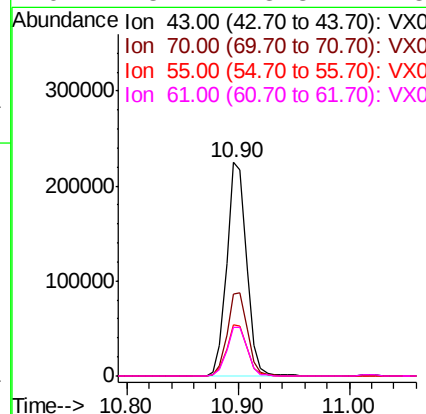
Ion Ratio Lower Upper

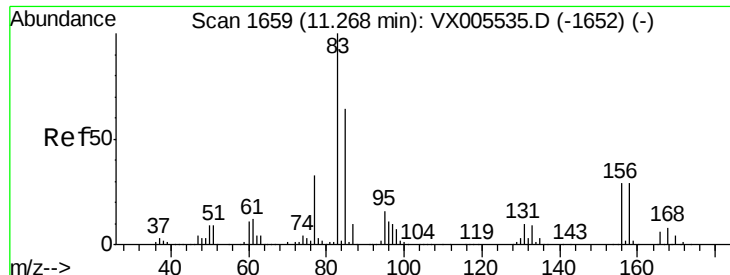
43 100

70 39.6 31.6 47.4

55 24.5 19.7 29.5

61 23.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.766 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

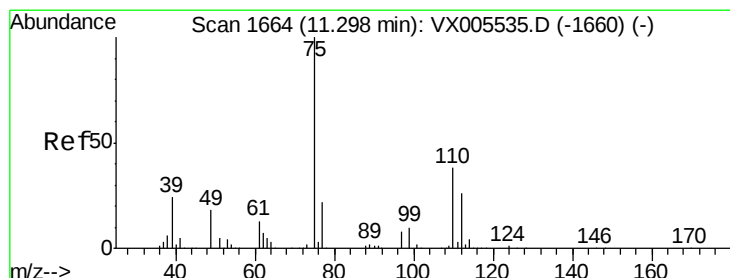
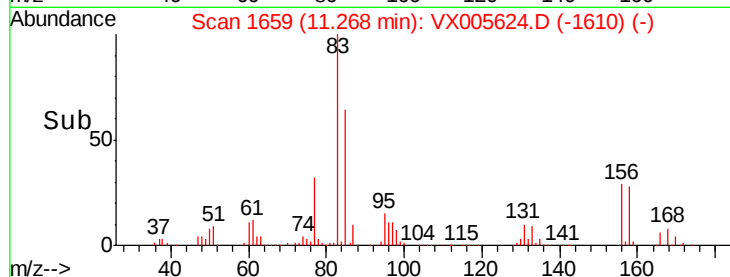
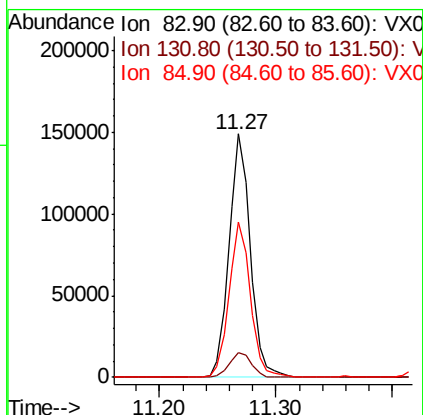
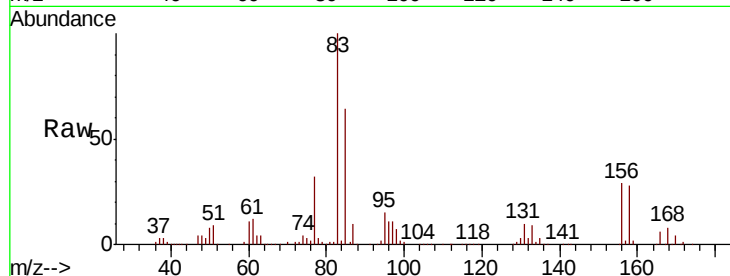
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	189535
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.3	32.0	96.2

Manual Integrations
APPROVED

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10/29/2018 12:43:50 PM



#76

1,2,3-Trichloropropane

Concen: 48.543 ug/l m

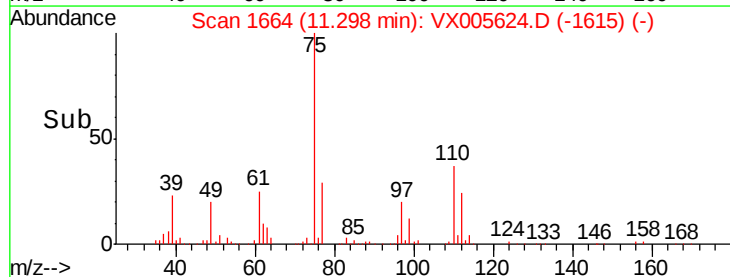
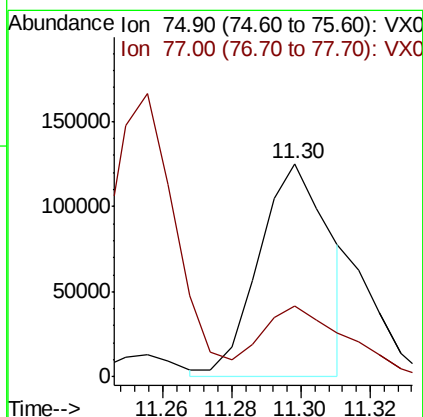
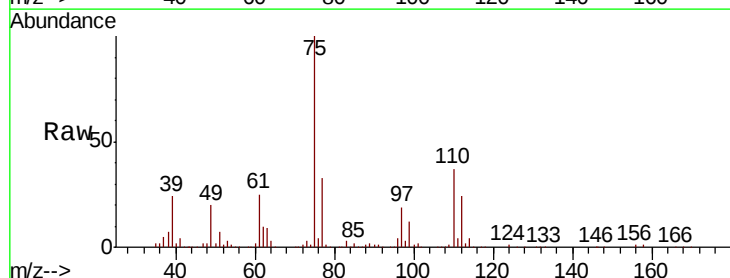
RT: 11.30 min Scan# 1664

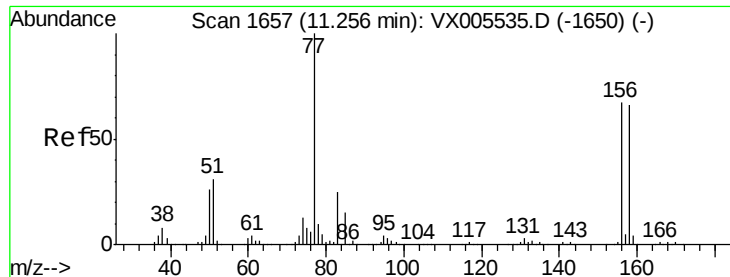
Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion:	75	Resp:	177254
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.5	61.6





#77

Bromobenzene

Concen: 50.347 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 147818

Ion Ratio Lower Upper

156 100

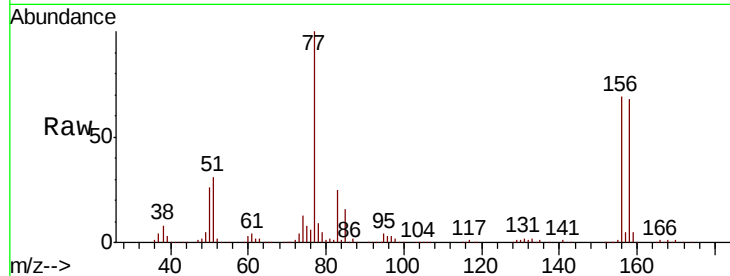
77 147.8 74.8 224.4

158 97.7 49.1 147.3

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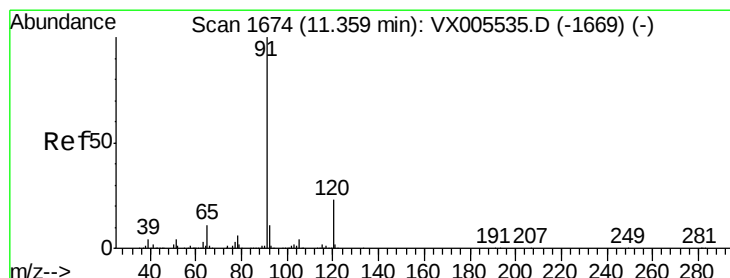
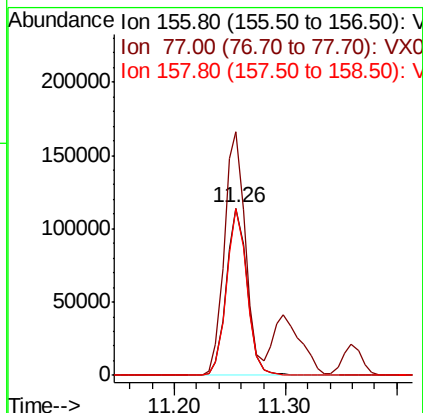
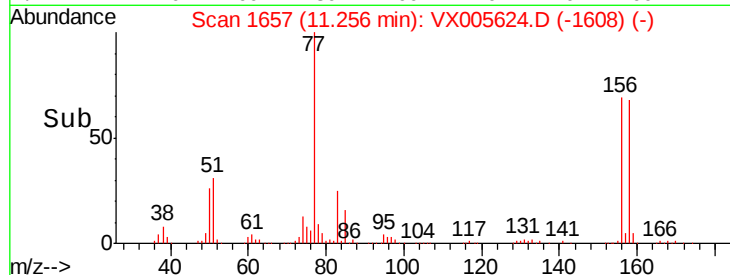
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.420 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005624.D

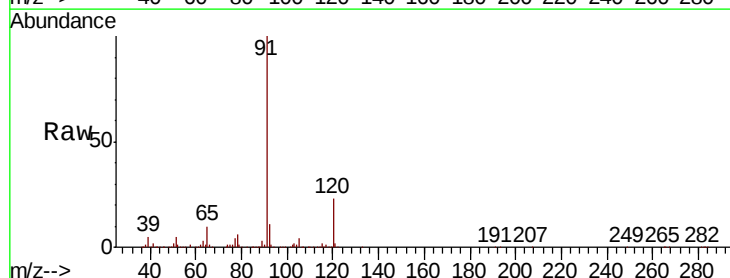
Acq: 26 Oct 2018 23:48

Tgt Ion: 91 Resp: 643512

Ion Ratio Lower Upper

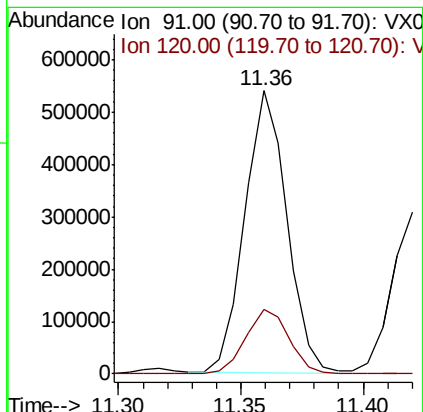
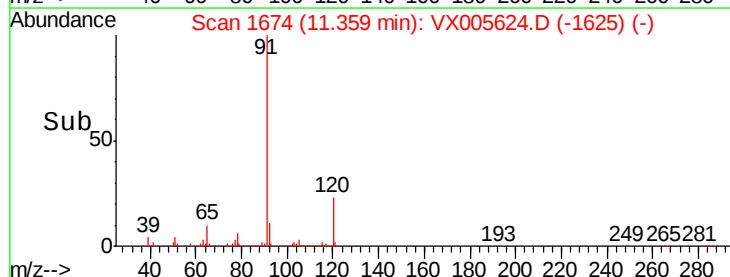
91 100

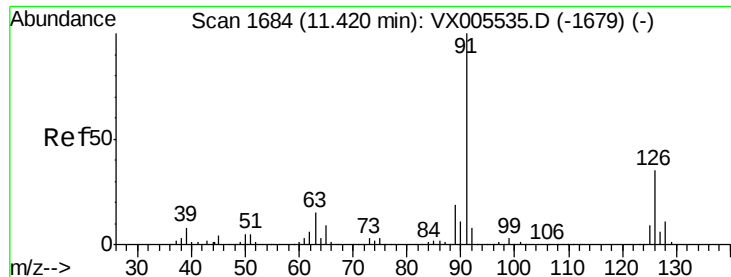
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.192 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 382356

Ion Ratio Lower Upper

91 100

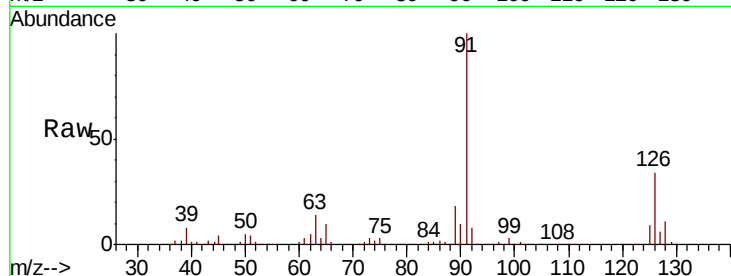
126 34.9 17.3 52.0

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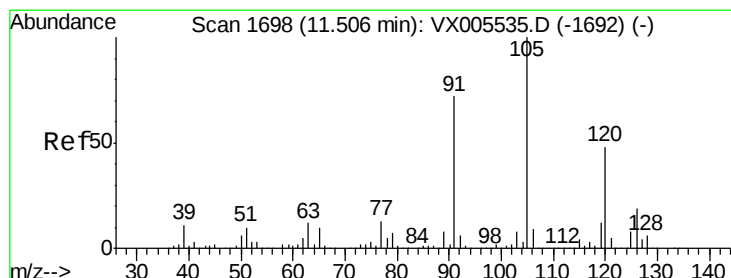
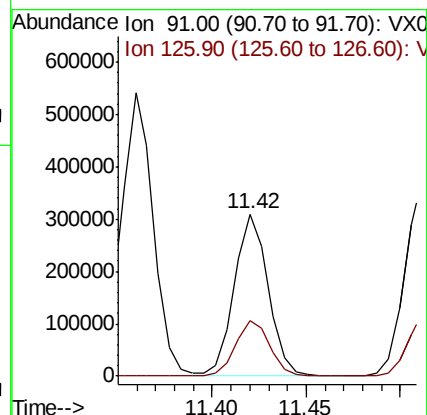
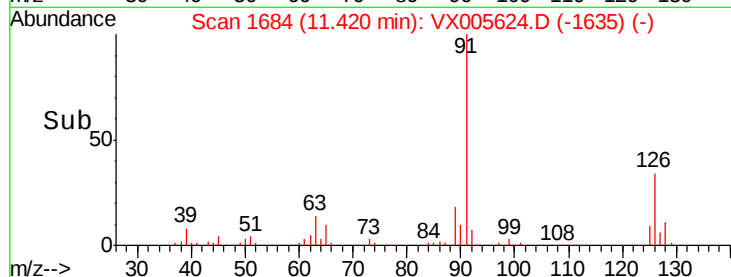
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Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005535.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.978 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005624.D

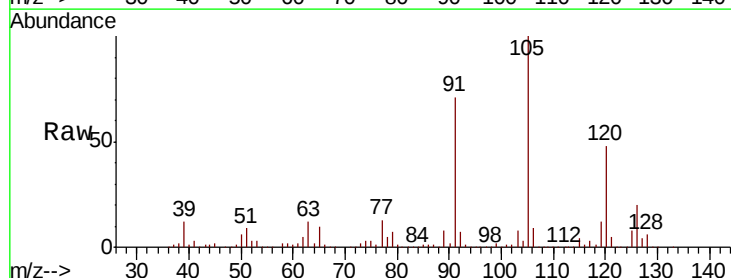
Acq: 26 Oct 2018 23:48

Tgt Ion: 105 Resp: 477443

Ion Ratio Lower Upper

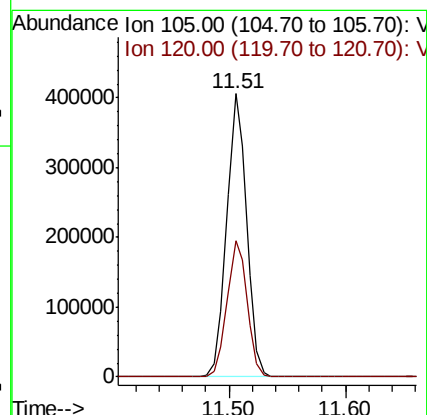
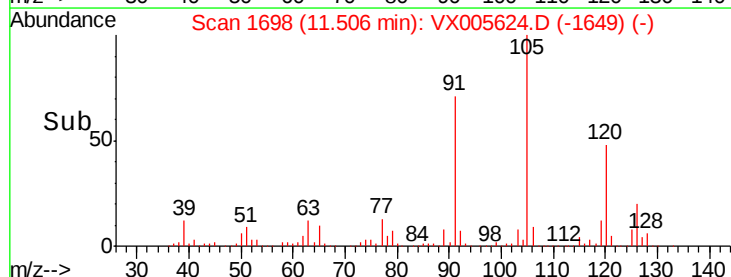
105 100

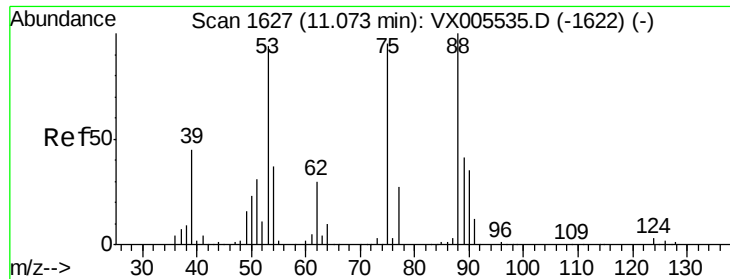
120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005535.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005535.D (-1692) (-)





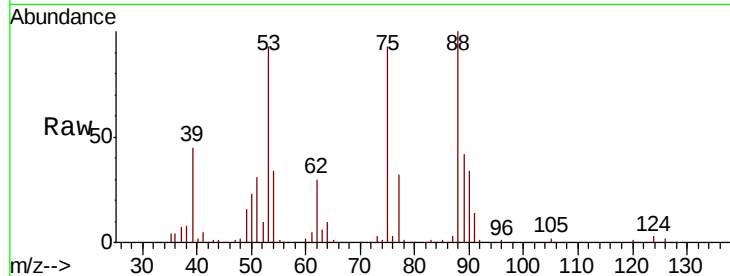
#81
trans-1,4-Dichloro-2-butene
Concen: 47.619 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

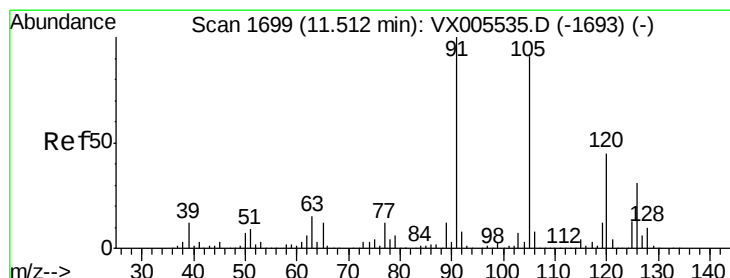
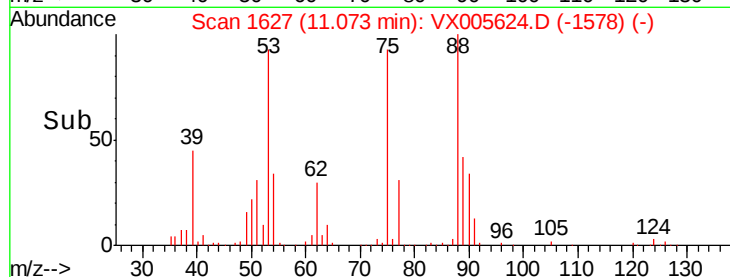
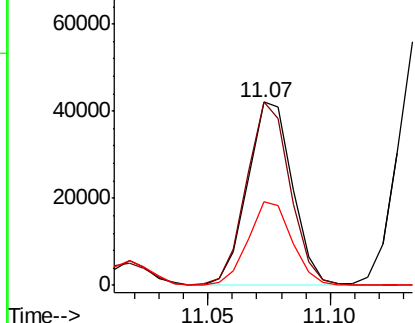
Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	80.2	120.2
89	45.4	39.8	59.8

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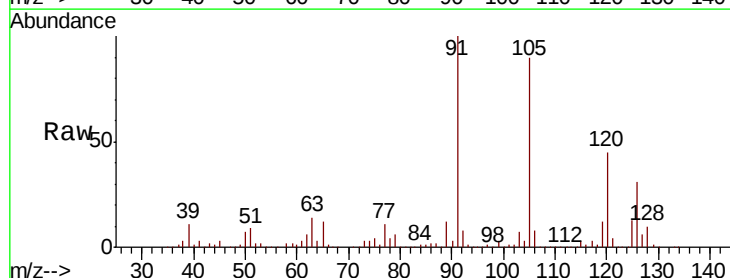


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

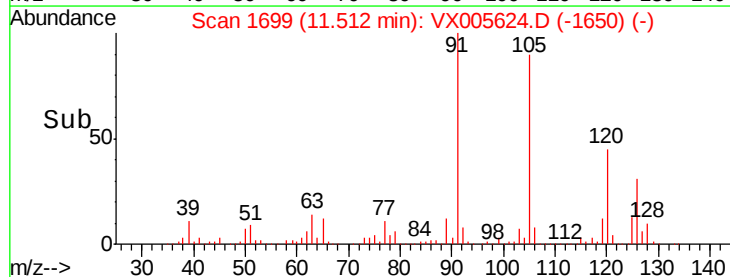
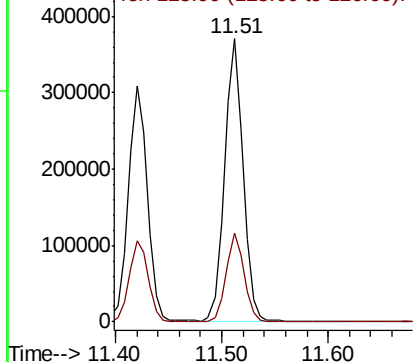


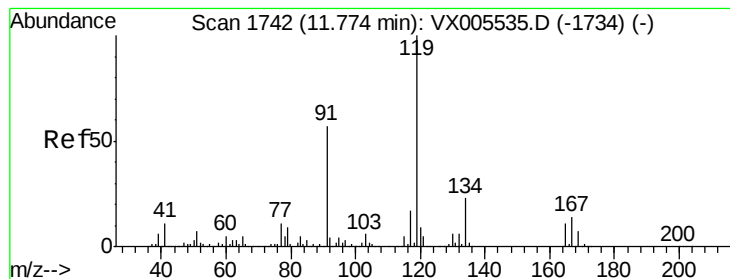
#82
4-Chlorotoluene
Concen: 51.418 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.2	45.6



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





#83

tert-Butylbenzene

Concen: 52.647 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

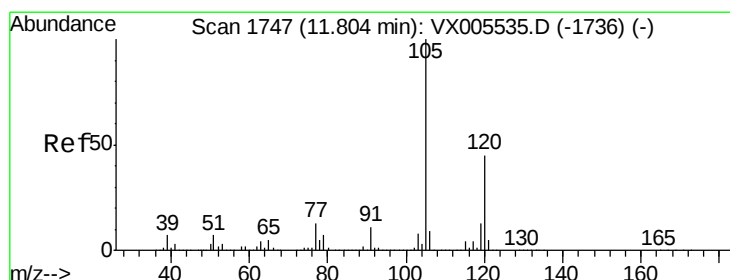
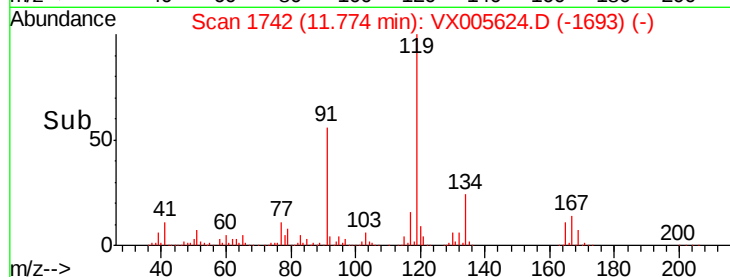
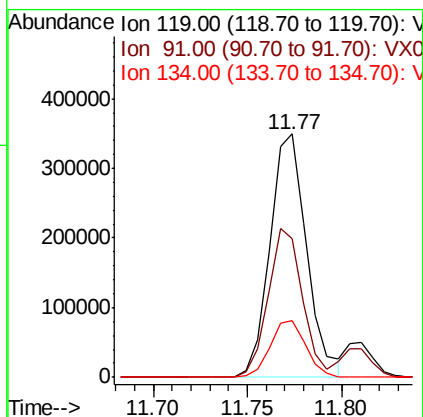
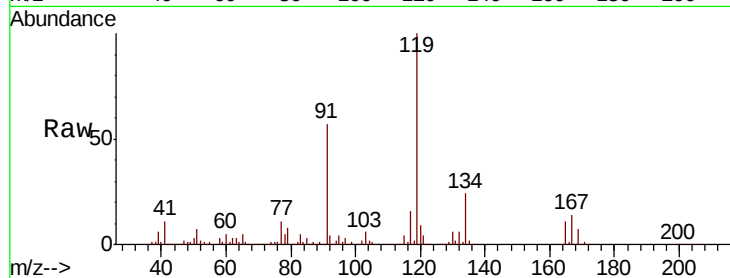
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	472947
Ion Ratio	Lower	Upper	
119	100		
91	57.0	28.5	85.5
134	22.6	11.3	33.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 53.874 ug/l

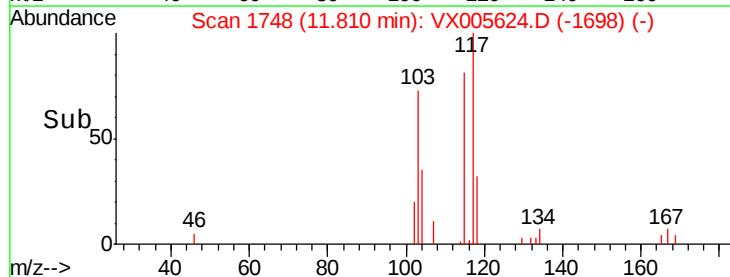
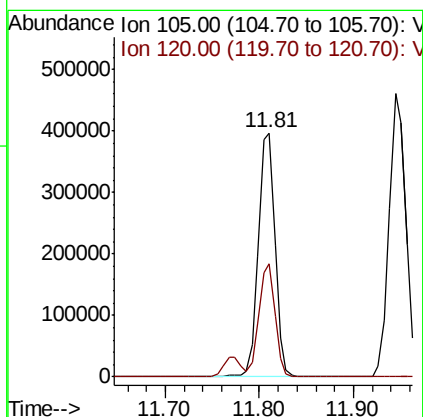
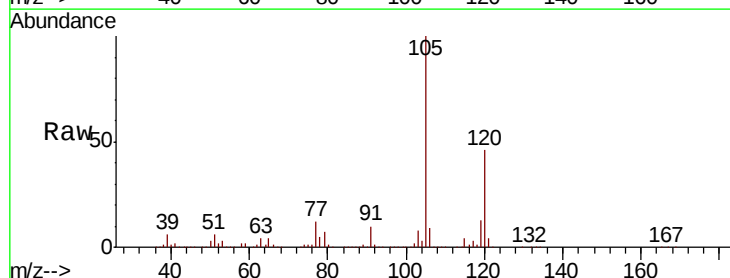
RT: 11.81 min Scan# 1748

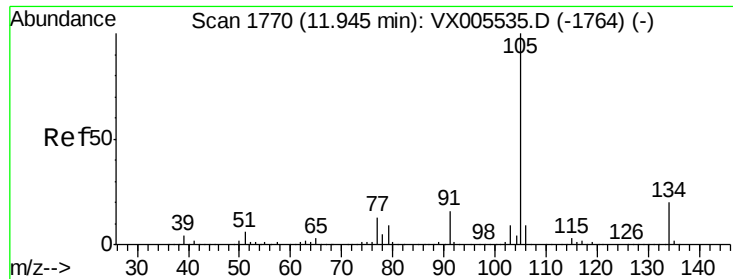
Delta R.T. 0.01 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion:	105	Resp:	492070
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.4	67.0





#85

sec-Butylbenzene

Concen: 52.962 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 567717

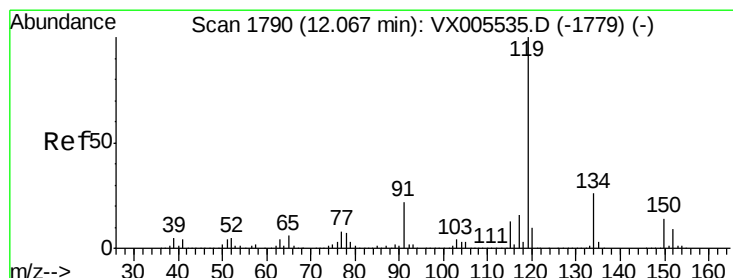
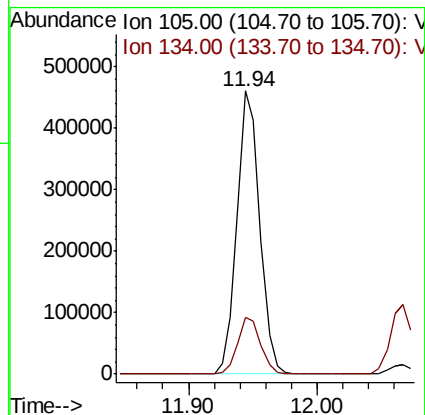
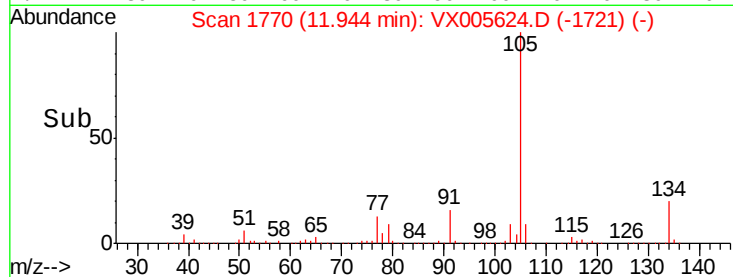
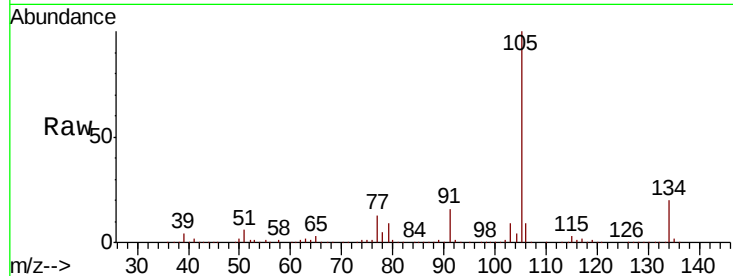
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 53.384 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

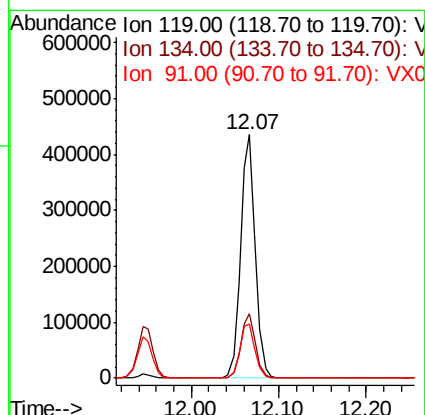
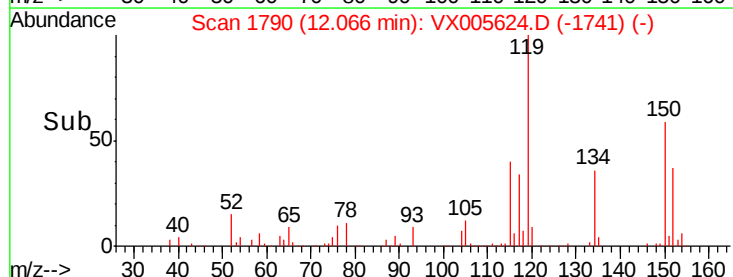
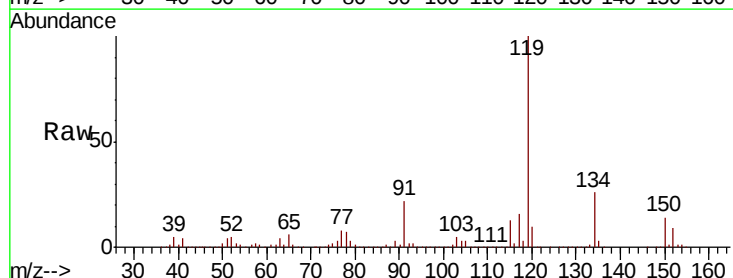
Tgt Ion:119 Resp: 511553

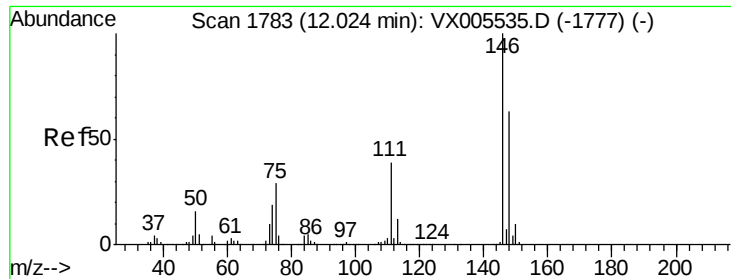
Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

91 23.0 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 49.675 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Instrument :

MSVOA_X

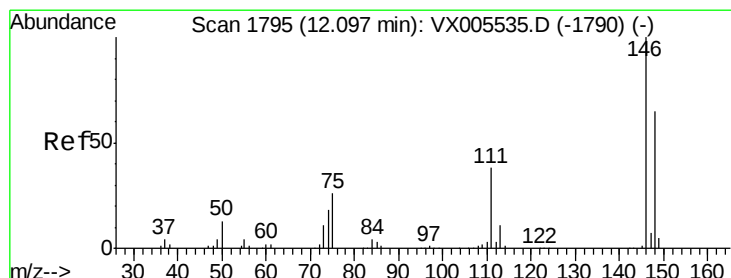
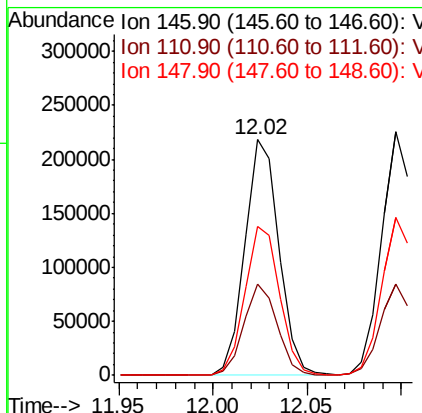
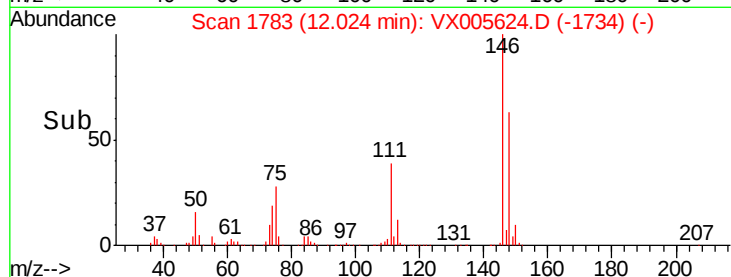
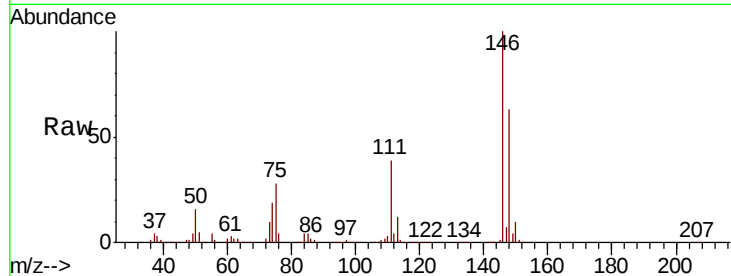
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	274256
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.0	57.0
148	64.4	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 47.989 ug/l

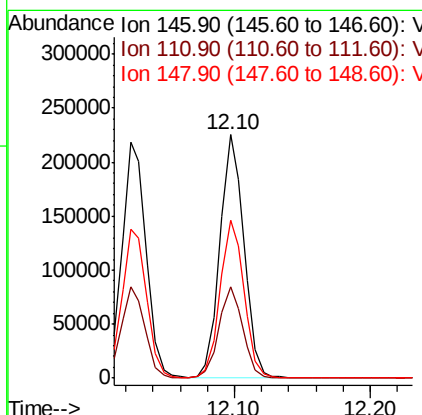
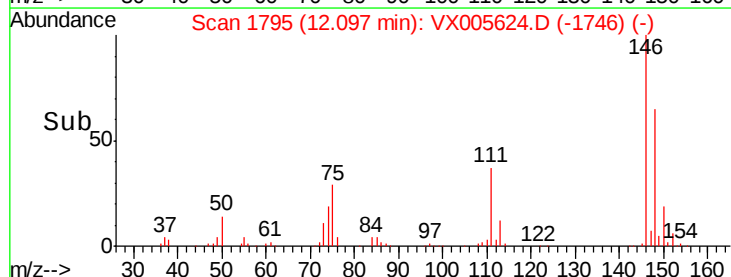
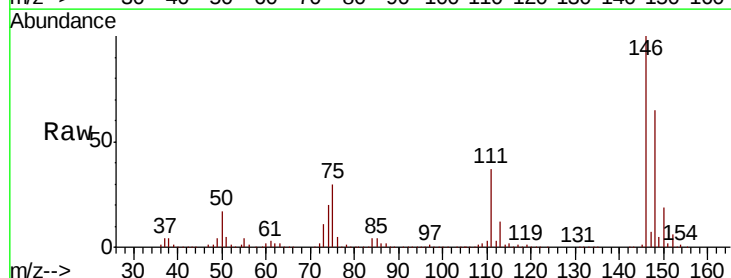
RT: 12.10 min Scan# 1795

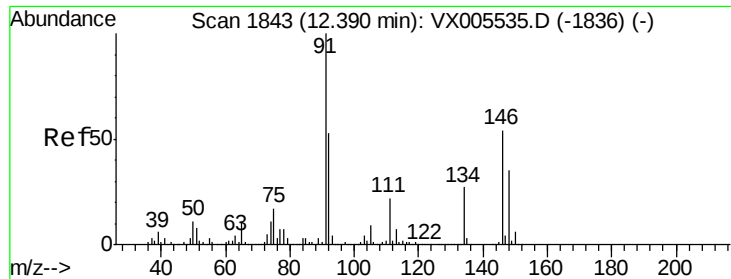
Delta R.T. -0.00 min

Lab File: VX005624.D

Acq: 26 Oct 2018 23:48

Tgt Ion:	146	Resp:	276560
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	55.8
148	64.7	32.1	96.3





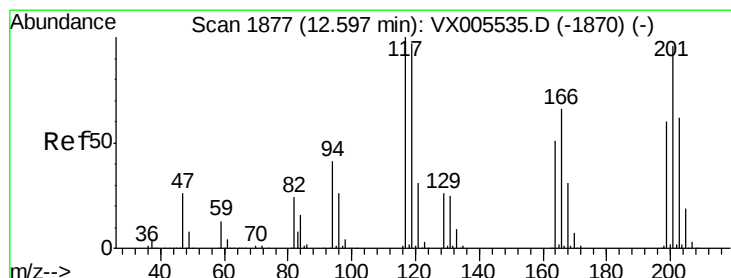
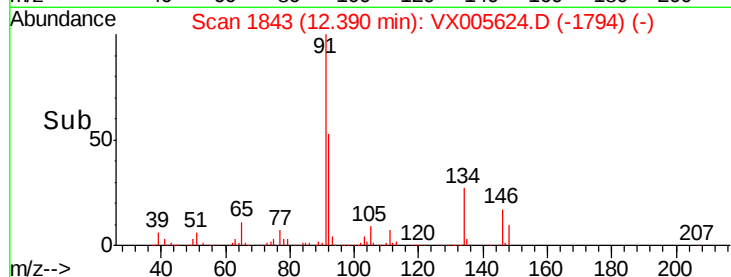
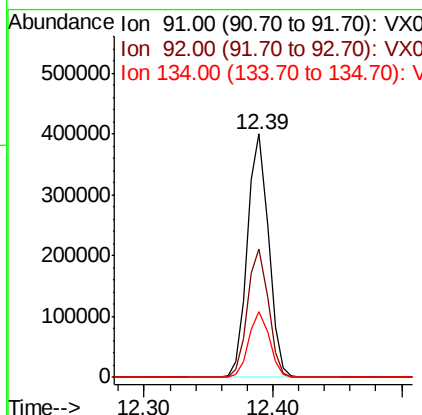
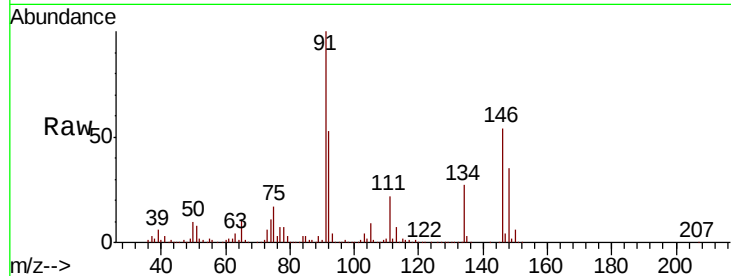
#89
n-Butylbenzene
Concen: 52.007 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	26.5	13.1	39.3

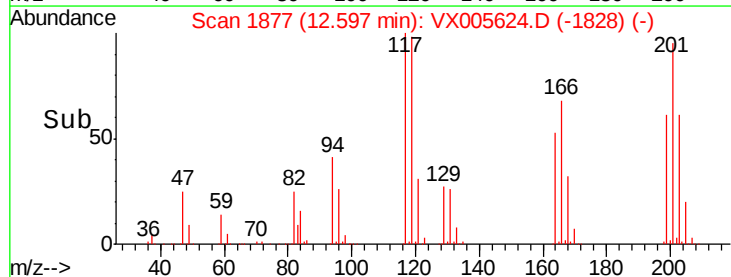
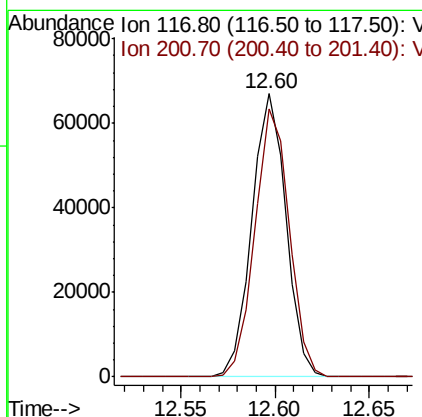
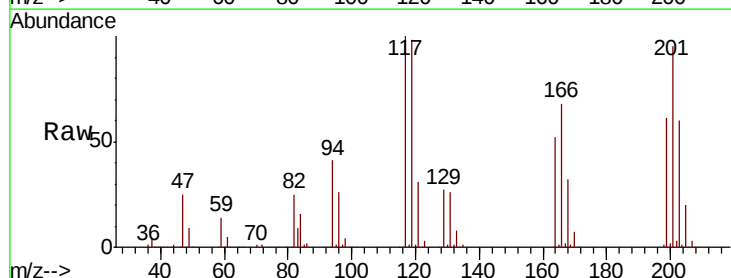
Manual Integrations
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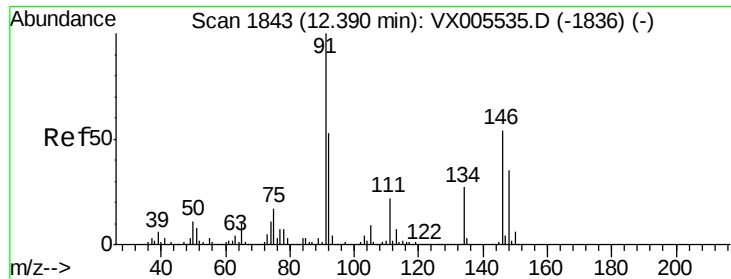
MMDadoda
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#90
Hexachloroethane
Concen: 50.899 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.6	47.9	143.6





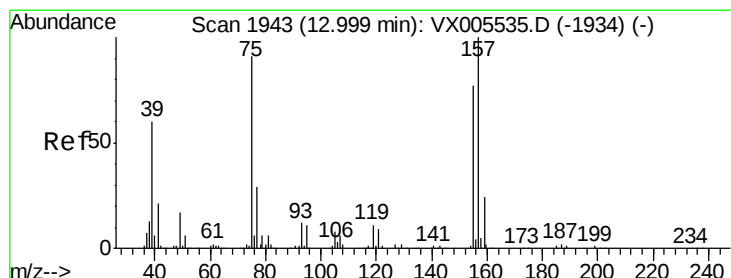
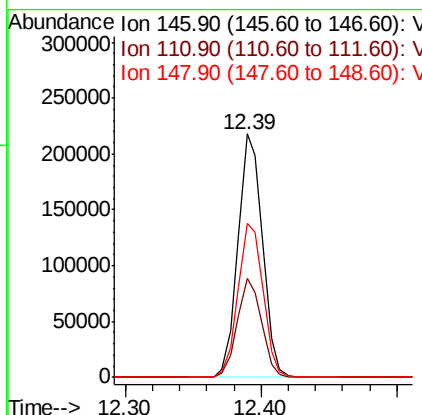
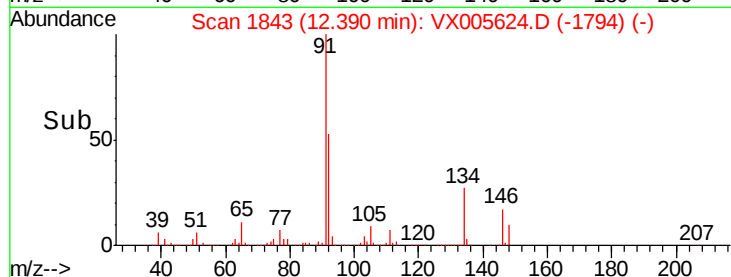
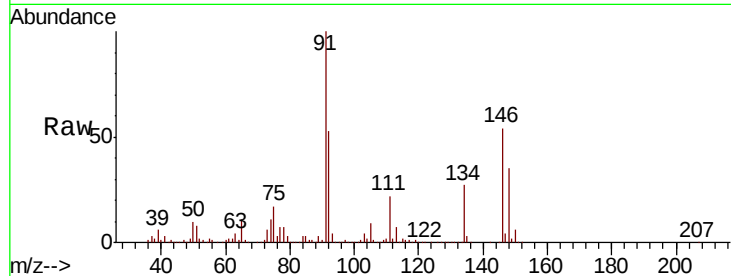
#91
 1,2-Dichlorobenzene
 Concen: 48.983 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.7	32.2	96.6

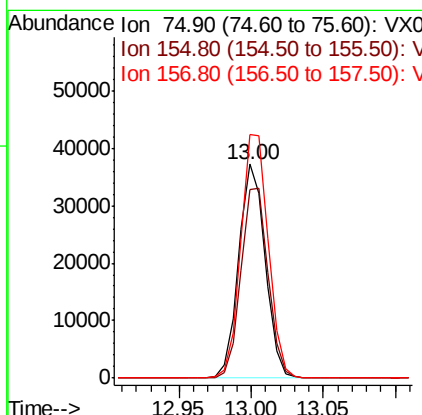
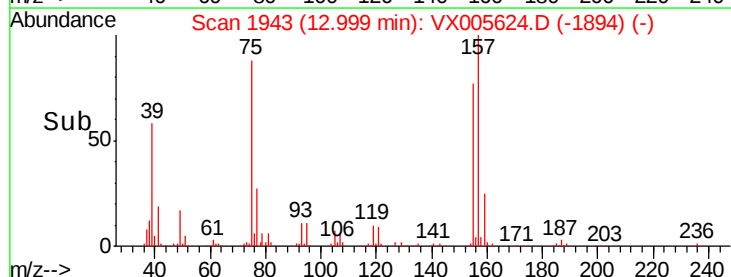
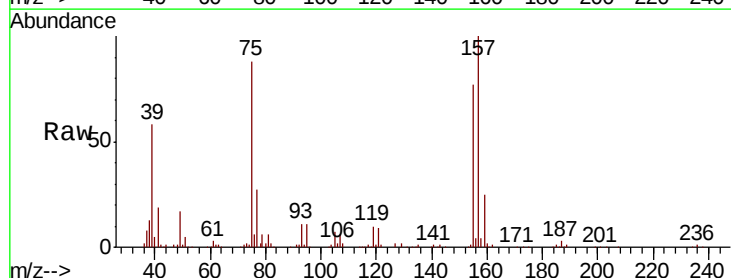
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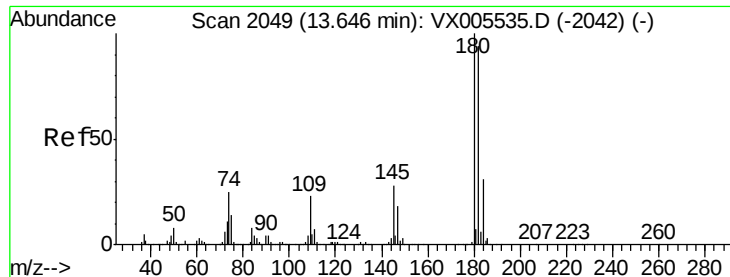
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.596 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005624.D
 Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	45.4	136.1
157	117.6	57.4	172.0





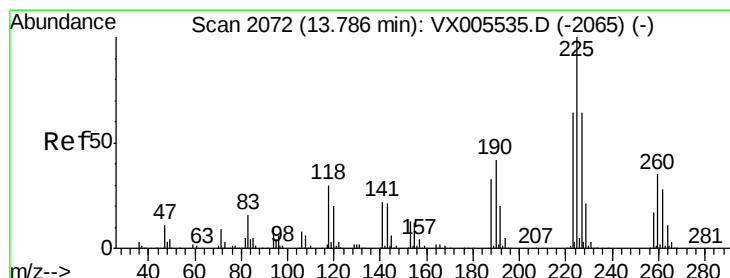
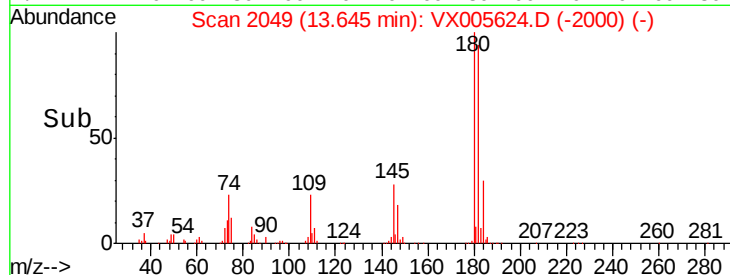
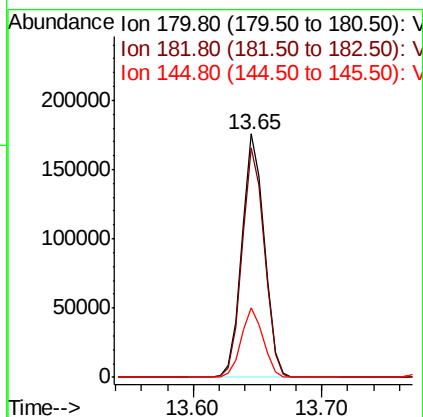
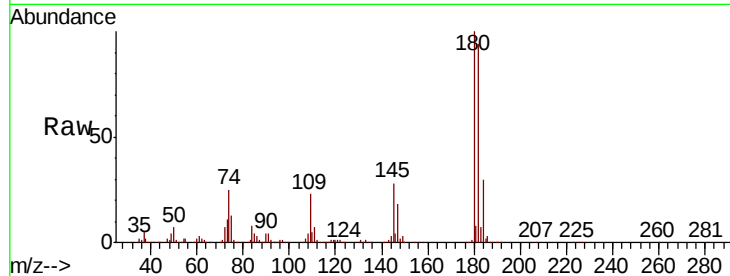
#93
1,2,4-Trichlorobenzene
Concen: 51.789 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209702		
182	94.4	47.6	142.8	
145	28.1	14.1	42.2	

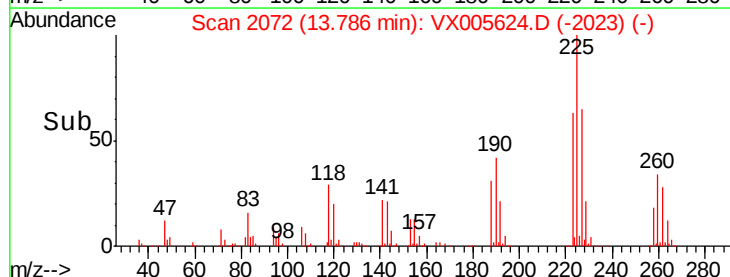
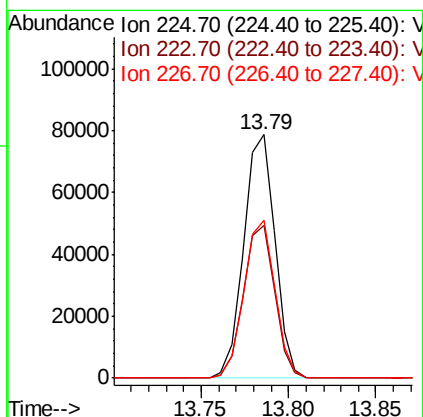
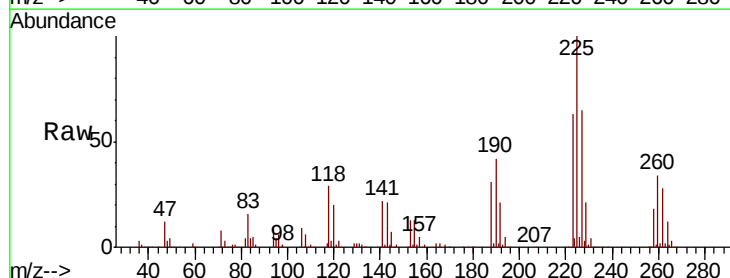
Manual Integrations
APPROVED

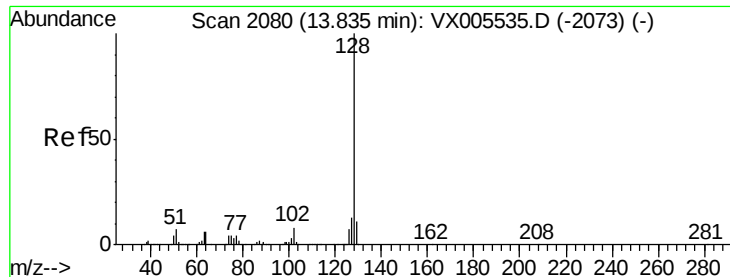
MMDadoda
10/29/2018 12:43:50 PM



#94
Hexachlorobutadiene
Concen: 46.821 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98246		
223	62.9	31.7	95.1	
227	64.4	32.3	96.9	





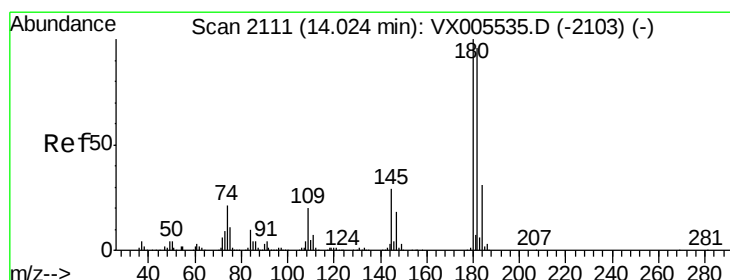
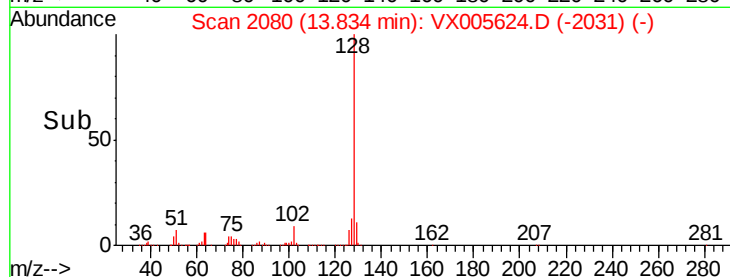
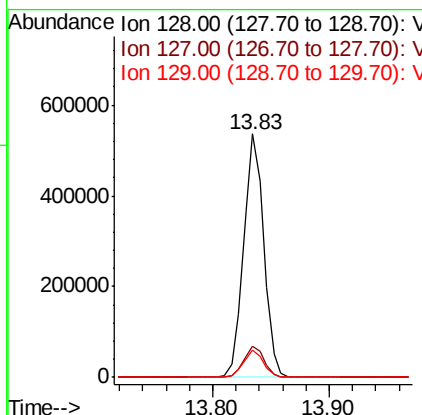
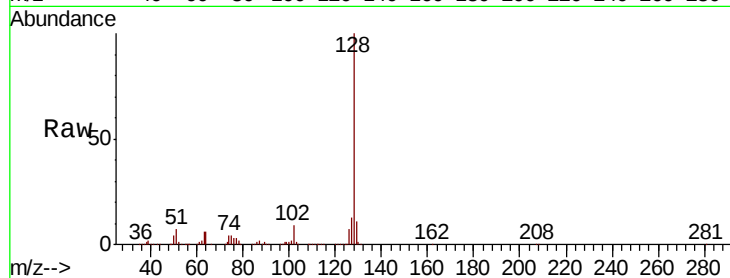
#95
Naphthalene
Concen: 55.096 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.766 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005624.D
Acq: 26 Oct 2018 23:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	30.5	15.1	45.3

