

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012119\
 Data File : VX007149.D
 Acq On : 21 Jan 2019 10:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:55:59 AM

Quant Time: Jan 22 00:15:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	454948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	651019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	617550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	342033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	239235	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	5.49	113	220805	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	8.71	98	814454	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	11.13	95	314513	59.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	205592	55.030	ug/l	99
3) Chloromethane	1.32	50	214052	49.216	ug/l	99
4) Vinyl Chloride	1.41	62	230177	49.199	ug/l	97
5) Bromomethane	1.64	94	226706	45.355	ug/l	99
6) Chloroethane	1.71	64	153322	46.934	ug/l	98
7) Trichlorofluoromethane	1.93	101	389526	51.529	ug/l	97
8) Diethyl Ether	2.19	74	148725	49.453	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	239503	52.921	ug/l	100
10) Methyl Iodide	2.51	142	309605	50.715	ug/l	100
11) Tert butyl alcohol	3.06	59	245615	218.991	ug/l	100
12) 1,1-Dichloroethene	2.37	96	209404	50.081	ug/l	96
13) Acrolein	2.29	56	147480	304.211	ug/l	98
14) Allyl chloride	2.73	41	365297	50.976	ug/l	99
15) Acrylonitrile	3.15	53	616229	239.337	ug/l	99
16) Acetone	2.44	43	619872	263.717	ug/l	99
17) Carbon Disulfide	2.57	76	490387	45.553	ug/l	97
18) Methyl Acetate	2.77	43	337303	49.553	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	742685	51.174	ug/l	98
20) Methylene Chloride	2.85	84	240802	53.906	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	226036	48.509	ug/l	97
22) Diisopropyl ether	3.87	45	714466	53.034	ug/l	94
23) Vinyl Acetate	3.82	43	2987496	262.956	ug/l	99
24) 1,1-Dichloroethane	3.70	63	409210	54.322	ug/l	98
25) 2-Butanone	4.69	43	850418	252.856	ug/l	99
26) 2,2-Dichloropropane	4.58	77	324928	56.093	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	261960	50.968	ug/l	98
28) Bromochloromethane	5.01	49	166286	50.383	ug/l	95
29) Tetrahydrofuran	5.14	42	509661	233.180	ug/l	97
30) Chloroform	5.21	83	425560	53.957	ug/l	98
31) Cyclohexane	5.57	56	345986	51.603	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	364682	54.551	ug/l	98
36) 1,1-Dichloropropene	5.79	75	305074	53.899	ug/l	99
37) Ethyl Acetate	4.84	43	309745	51.045	ug/l	98
38) Carbon Tetrachloride	5.78	117	322266	56.590	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	391647	54.277	ug/l	96
40) Benzene	6.14	78	923832	53.492	ug/l	100
41) Methacrylonitrile	5.05	41	174714	49.979	ug/l	98
42) 1,2-Dichloroethane	6.20	62	316830	53.088	ug/l	99
43) Isopropyl Acetate	6.45	43	511249	53.413	ug/l	98
44) Trichloroethene	7.21	130	276493	53.425	ug/l	100
45) 1,2-Dichloropropane	7.51	63	237023	54.590	ug/l	94
46) Dibromomethane	7.66	93	167851	55.006	ug/l	98
47) Bromodichloromethane	7.90	83	307441	59.190	ug/l	98
48) Methyl methacrylate	7.77	41	265369	53.987	ug/l	96
49) 1,4-Dioxane	7.75	88	110559	984.783	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1702409	276.756	ug/l	99
52) Toluene	8.78	92	609455	54.904	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	344804	59.866	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	371903	58.471	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	255057	57.405	ug/l	99
56) Ethyl methacrylate	9.18	69	375241	57.851	ug/l	95
57) 1,3-Dichloropropane	9.37	76	409535	56.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1013860	304.007	ug/l	99
59) 2-Hexanone	9.49	43	1350249	288.044	ug/l	98
60) Dibromochloromethane	9.58	129	276044	63.983	ug/l	98
61) 1,2-Dibromoethane	9.67	107	272767	55.765	ug/l	100
64) Tetrachloroethene	9.34	164	294409	55.065	ug/l	95
65) Chlorobenzene	10.13	112	728537	54.090	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	264882	58.460	ug/l	99
67) Ethyl Benzene	10.25	91	1214891	54.637	ug/l	99
68) m/p-Xylenes	10.35	106	980617	111.935	ug/l	100
69) o-Xylene	10.69	106	478564	56.013	ug/l	97
70) Styrene	10.71	104	789375	58.336	ug/l	100
71) Bromoform	10.85	173	211855	52.048	ug/l	99
73) Isopropylbenzene	11.02	105	1279964	53.071	ug/l	99
74) N-amyl acetate	10.90	43	486580	50.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	381647	49.845	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	364210m	52.547	ug/l	
77) Bromobenzene	11.26	156	349537	52.598	ug/l	97
78) n-propylbenzene	11.36	91	1479494	55.879	ug/l	99
79) 2-Chlorotoluene	11.42	91	845324	53.039	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1083622	53.771	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	112374	49.009	ug/l	98
82) 4-Chlorotoluene	11.51	91	1009899	54.727	ug/l	100
83) tert-Butylbenzene	11.77	119	1056607	52.550	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1104690	54.512	ug/l	100
85) sec-Butylbenzene	11.94	105	1333959	55.552	ug/l	100
86) p-Isopropyltoluene	12.06	119	1203206	56.018	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	637196	53.049	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	643971	56.565	ug/l	99
89) n-Butylbenzene	12.39	91	1056107	57.679	ug/l	99
90) Hexachloroethane	12.60	117	184735	53.650	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	630343	53.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	78654	51.941	ug/l	100

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ClientSampleId :
VSTDCCC050

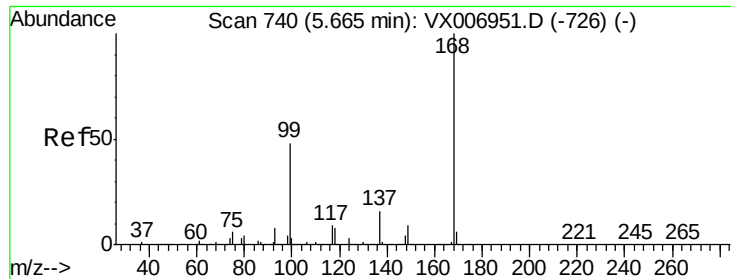
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	456337	56.113	ug/l	100
94) Hexachlorobutadiene	13.78	225	212290	58.824	ug/l	99
95) Naphthalene	13.83	128	1299524	52.734	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	451486	55.886	ug/l	98

(#) = 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: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 454948

Ion Ratio Lower Upper

168 100

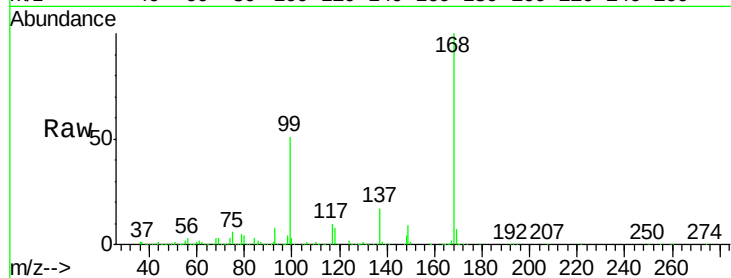
99 51.1 41.8 62.8

Manual Integrations

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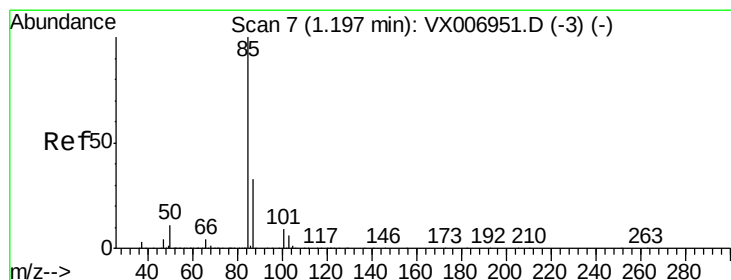
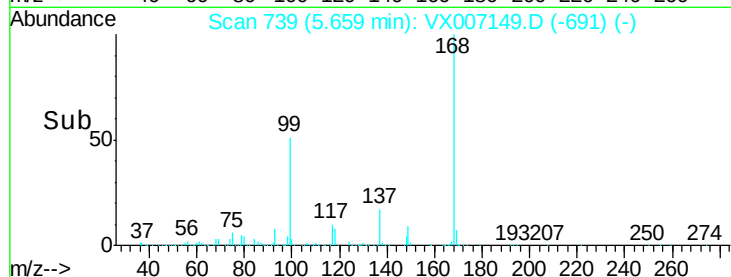
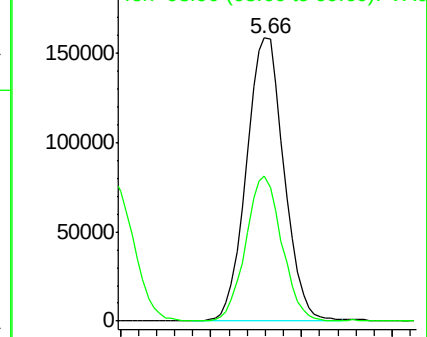
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 55.030 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007149.D

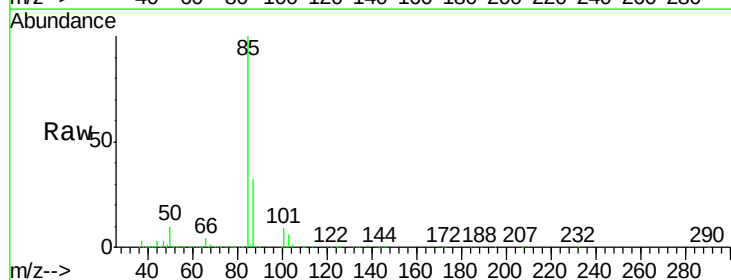
Acq: 21 Jan 2019 10:34

Tgt Ion: 85 Resp: 205592

Ion Ratio Lower Upper

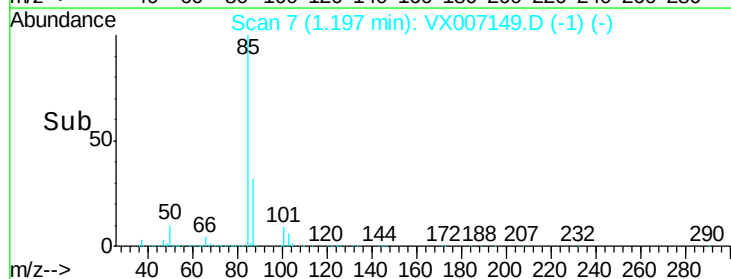
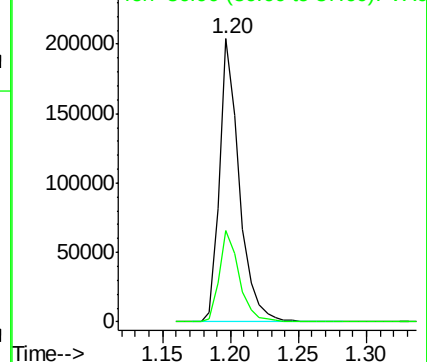
85 100

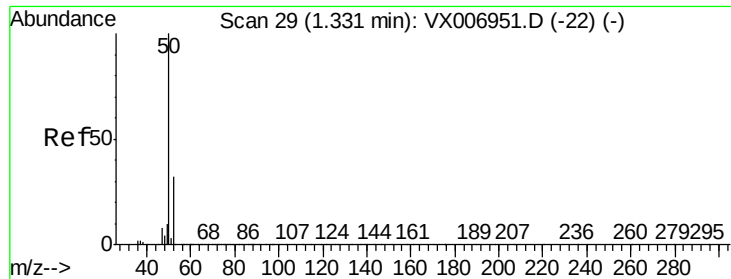
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





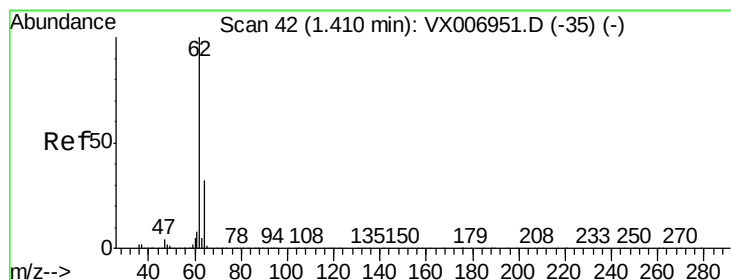
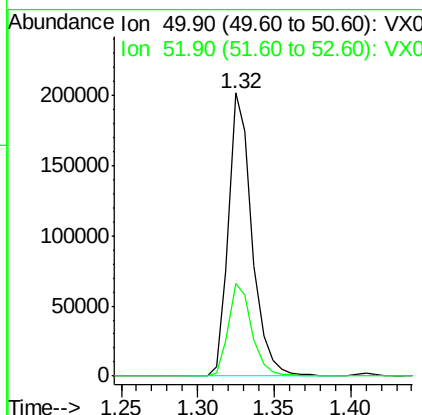
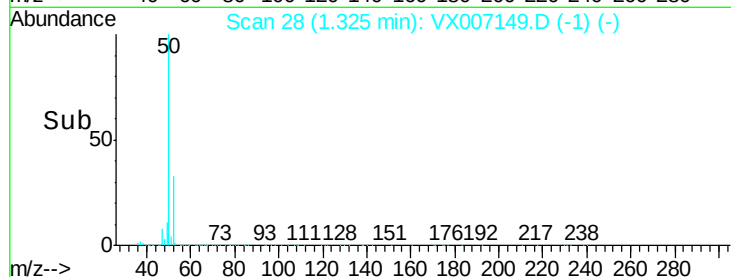
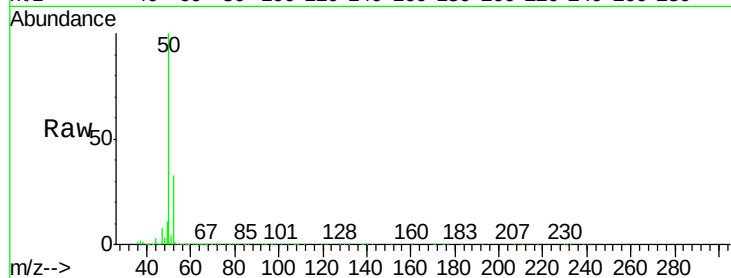
#3
Chloromethane
Concen: 49.216 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2

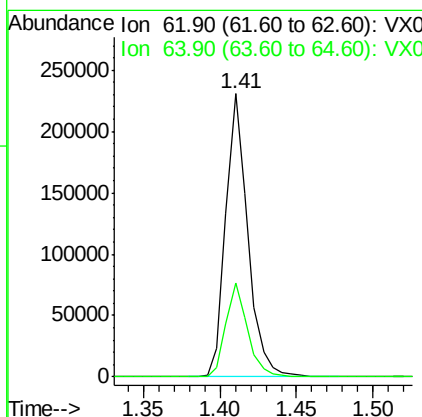
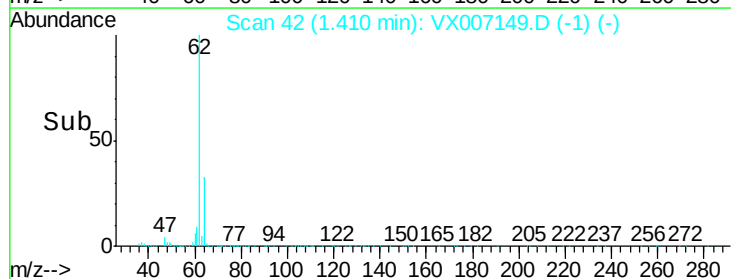
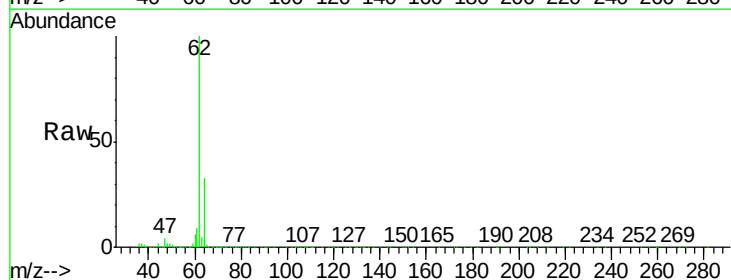
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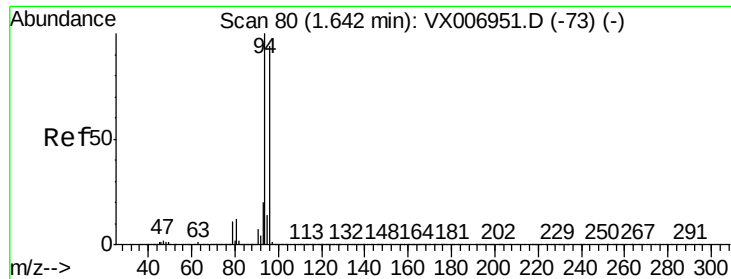
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#4
Vinyl Chloride
Concen: 49.199 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.1	37.7





#5

Bromomethane

Concen: 45.355 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 226706

Ion Ratio Lower Upper

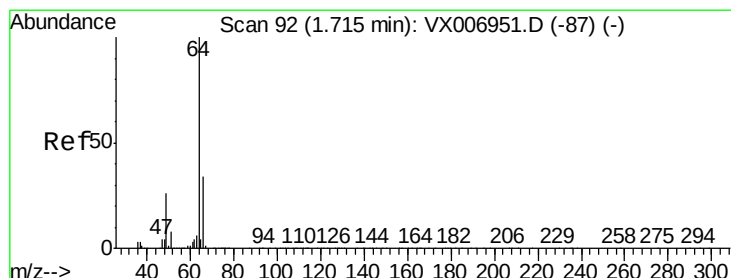
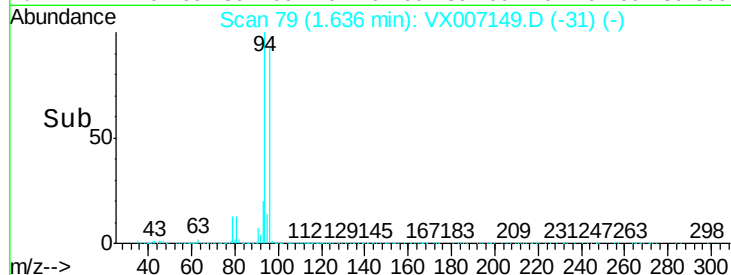
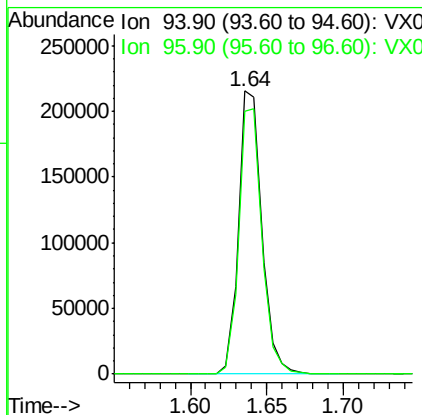
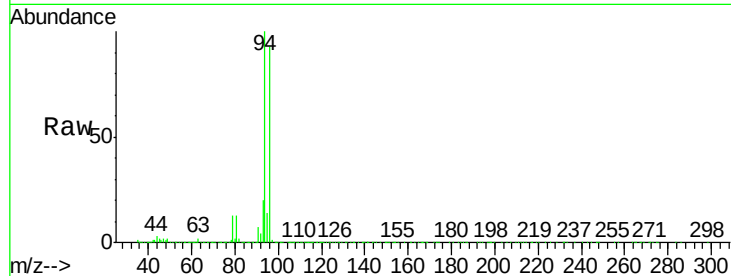
94 100

96 92.7 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 46.934 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX007149.D

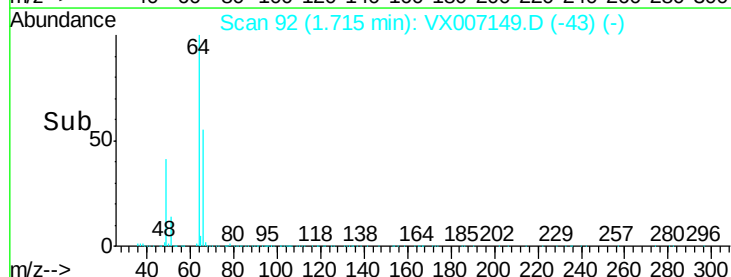
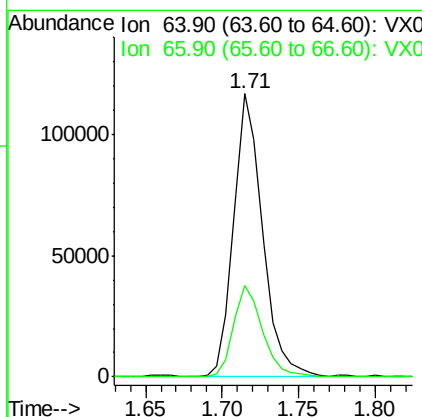
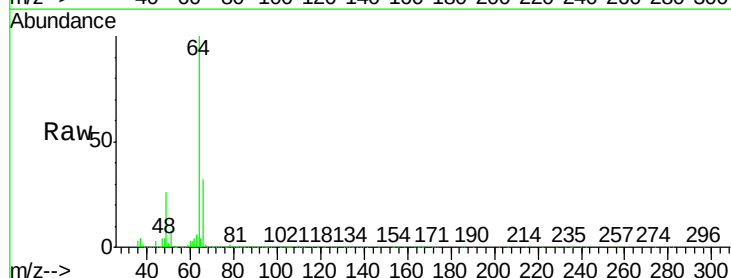
Acq: 21 Jan 2019 10:34

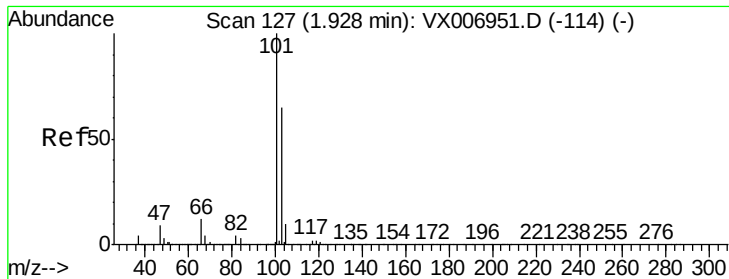
Tgt Ion: 64 Resp: 153322

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

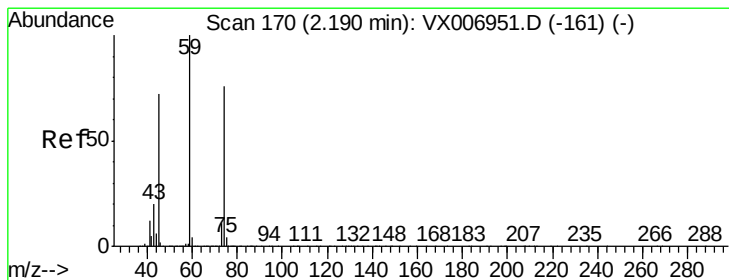
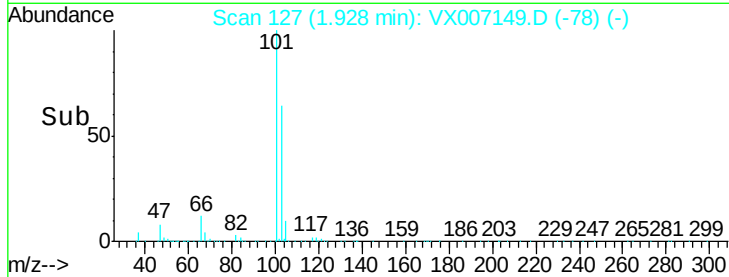
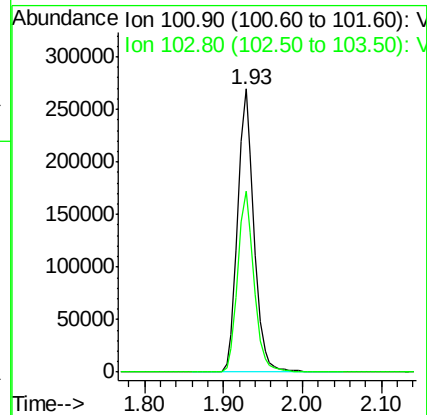
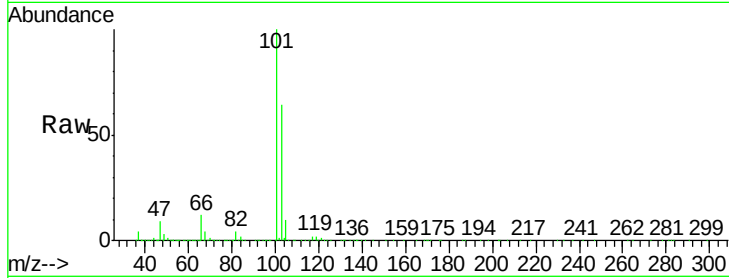
Trichlorofluoromethane
Concen: 51.529 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.2	79.8

Manual Integrations
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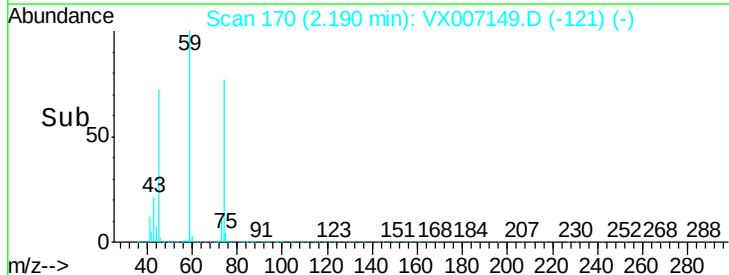
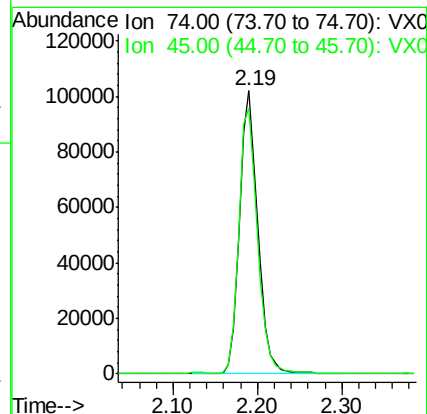
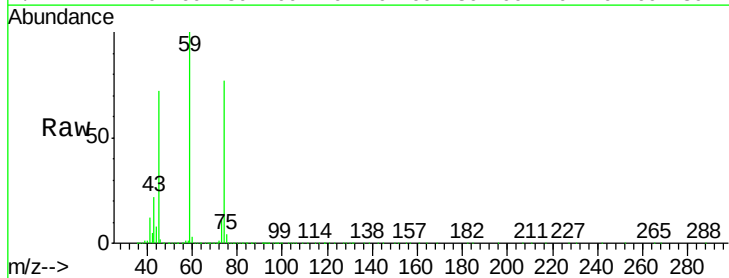
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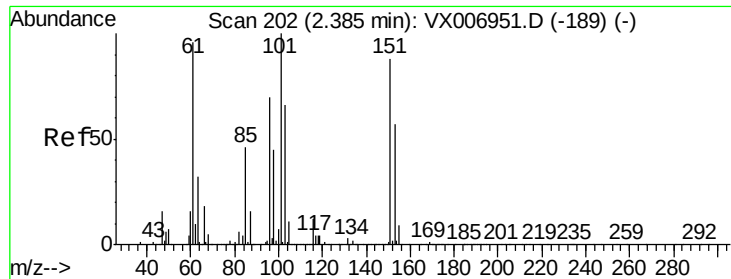


#8

Diethyl Ether
Concen: 49.453 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.921 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

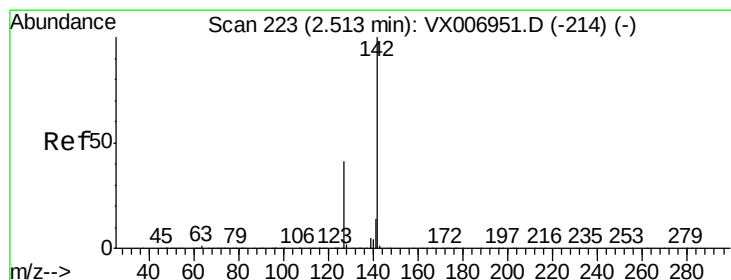
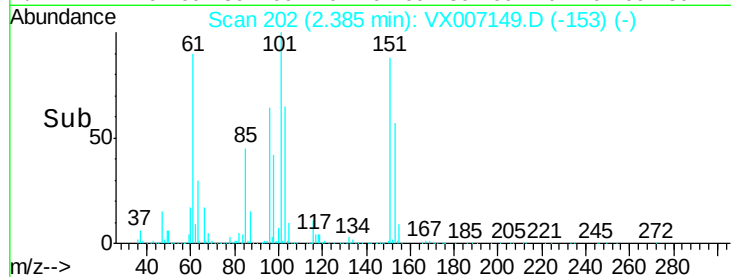
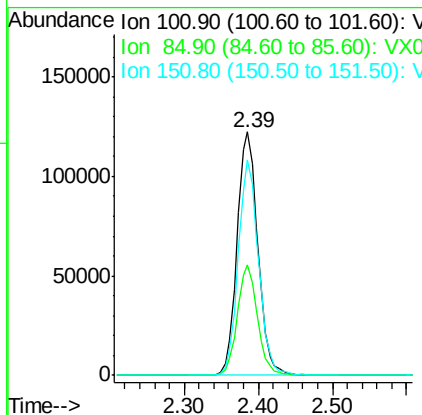
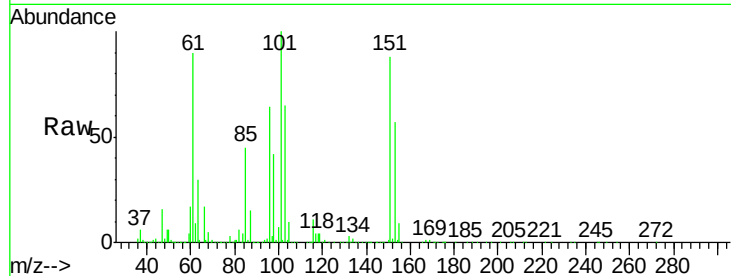
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	239503
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	86.5	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.715 ug/l

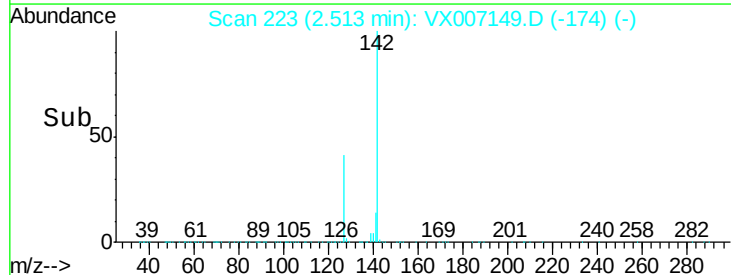
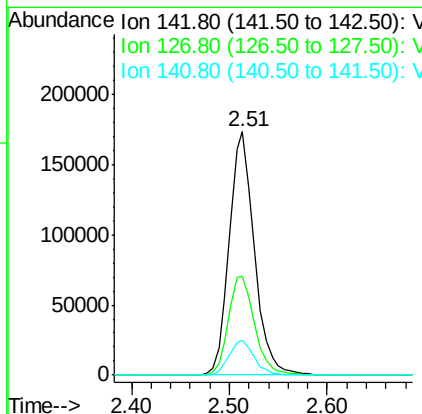
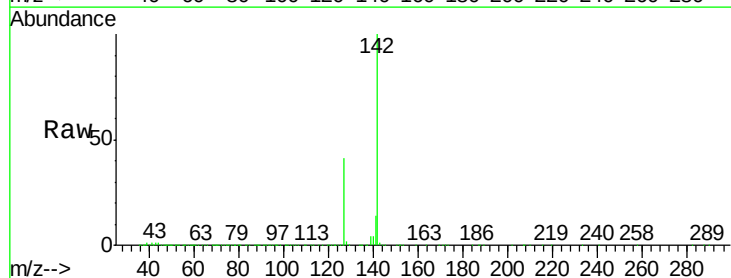
RT: 2.51 min Scan# 223

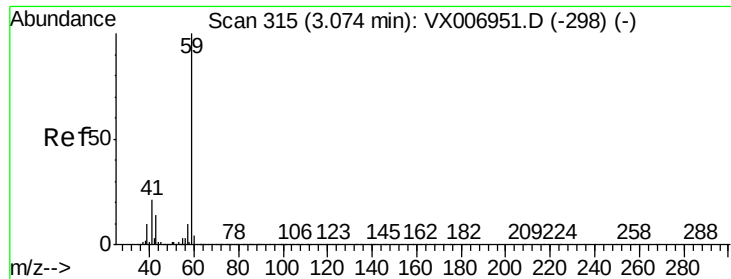
Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	142	Resp:	309605
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.9	50.9
141	14.3	11.4	17.0





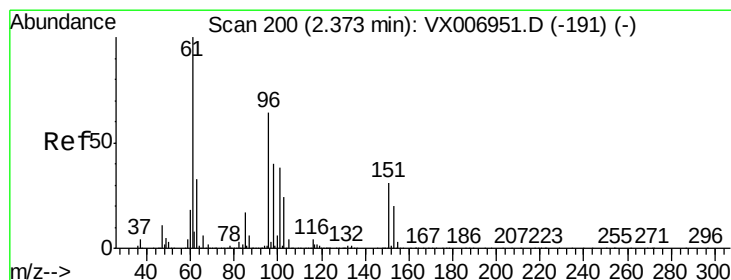
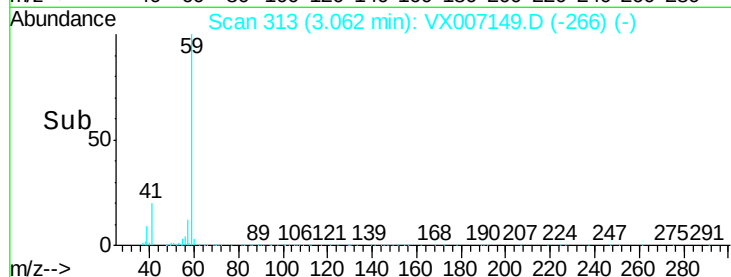
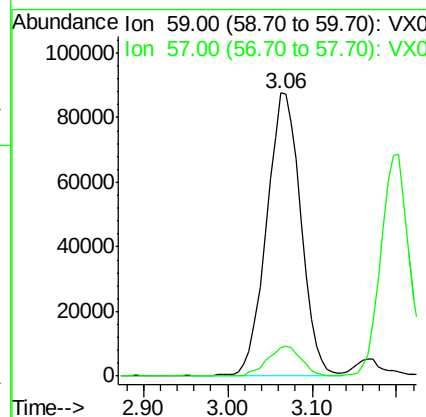
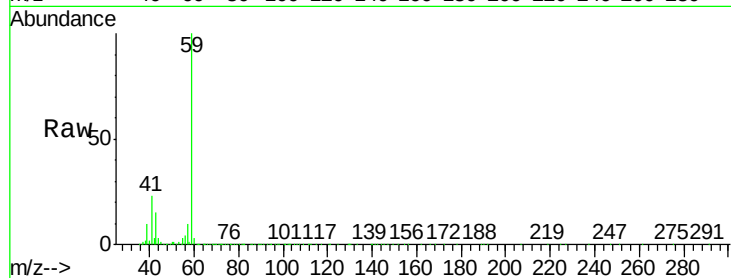
#11
Tert butyl alcohol
Concen: 218.991 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 245615
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

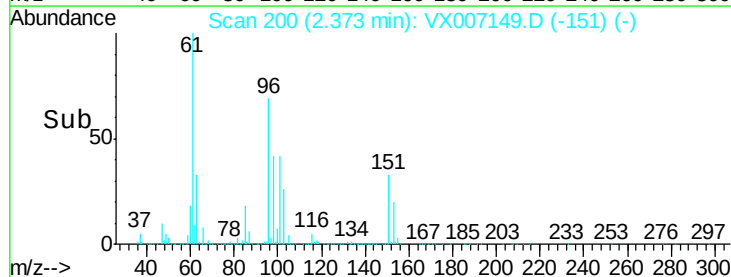
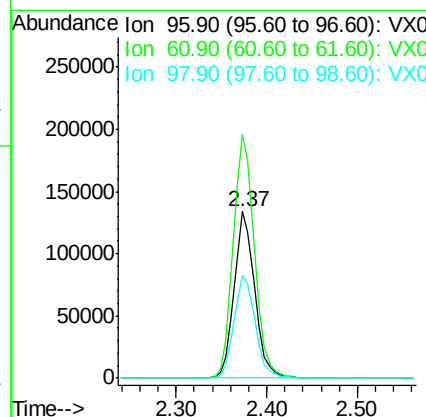
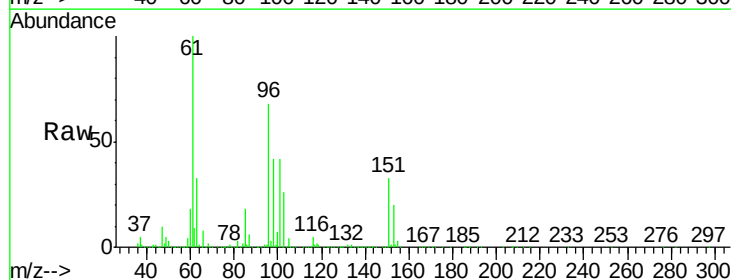
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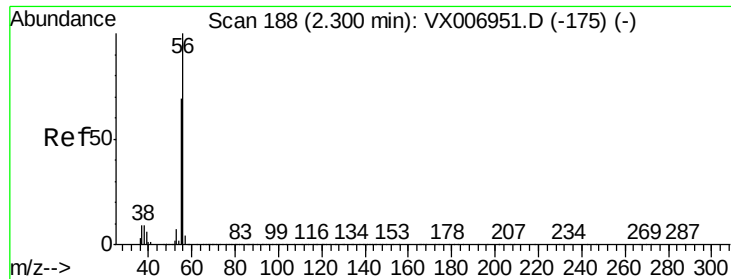
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#12
1,1-Dichloroethene
Concen: 50.081 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 96 Resp: 209404
Ion Ratio Lower Upper
96 100
61 146.1 121.4 182.2
98 61.6 51.9 77.9





#13

Acrolein

Concen: 304.211 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 147480

Ion Ratio Lower Upper

56 100

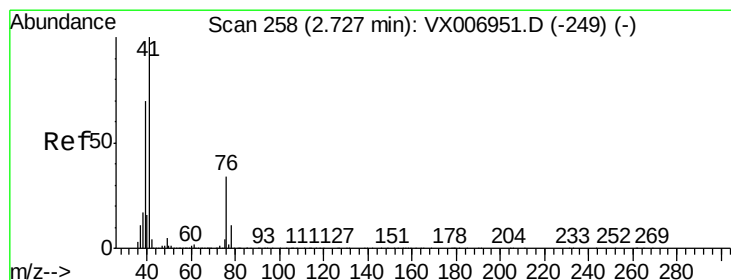
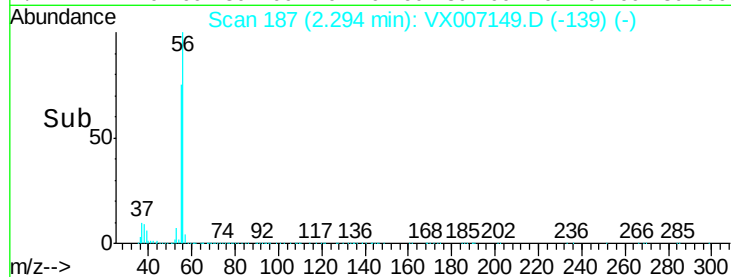
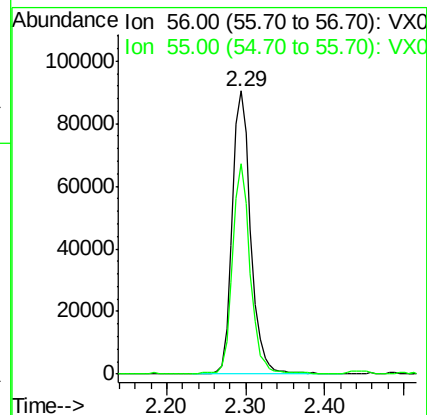
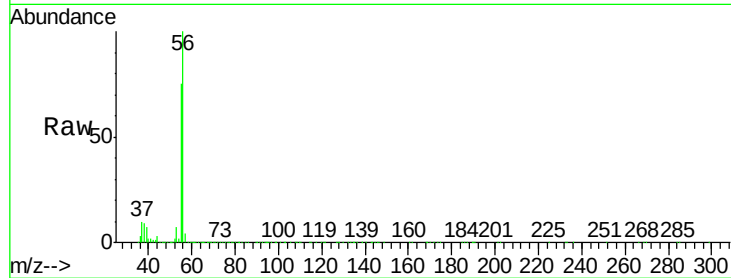
55 71.2 58.2 87.4

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#14

Allyl chloride

Concen: 50.976 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

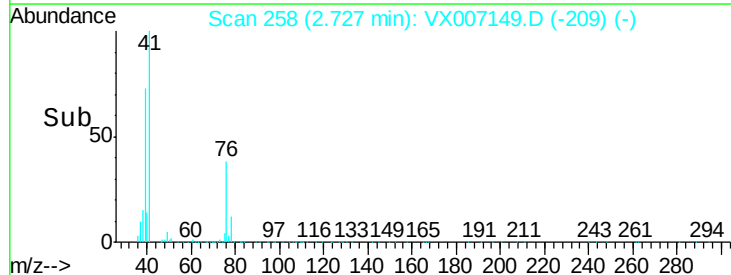
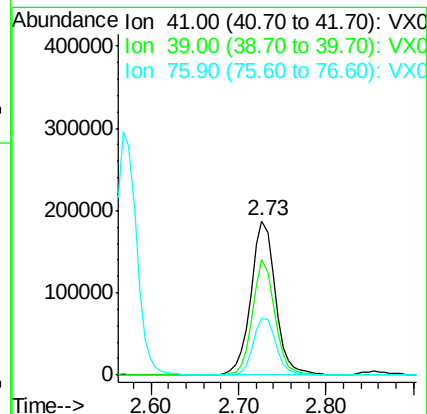
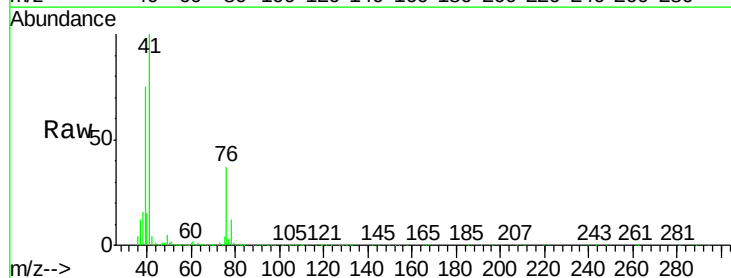
Tgt Ion: 41 Resp: 365297

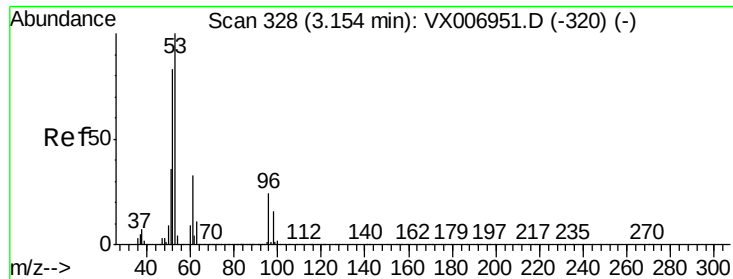
Ion Ratio Lower Upper

41 100

39 67.6 53.6 80.4

76 34.3 27.4 41.2





#15

Acrylonitrile

Concen: 239.337 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

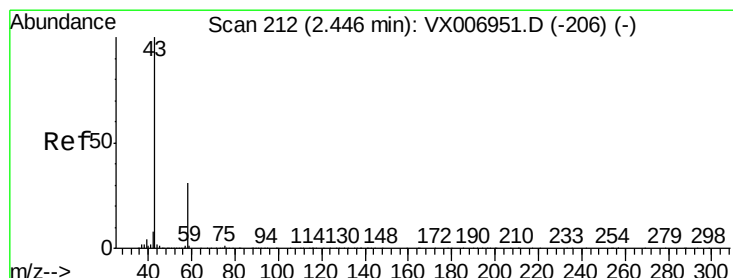
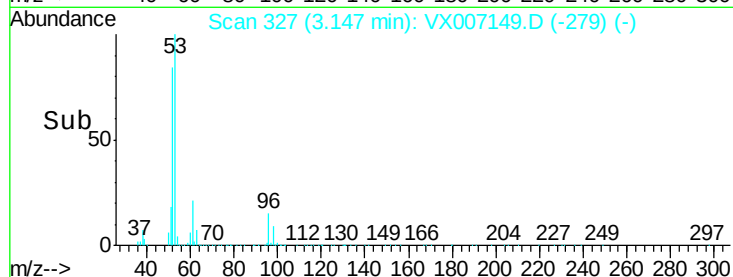
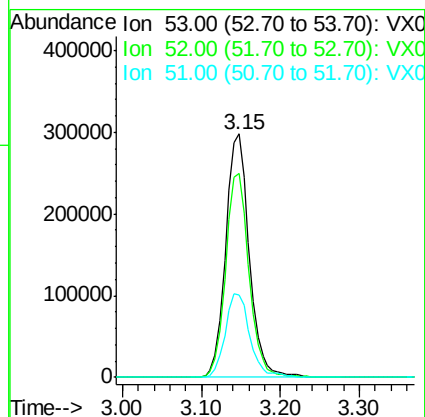
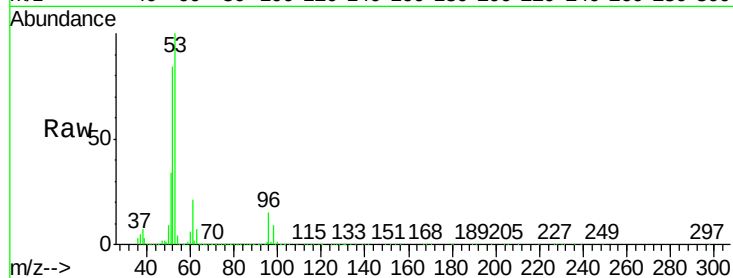
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	616229
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.0	99.0
51	35.8	28.6	42.8

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#16

Acetone

Concen: 263.717 ug/l

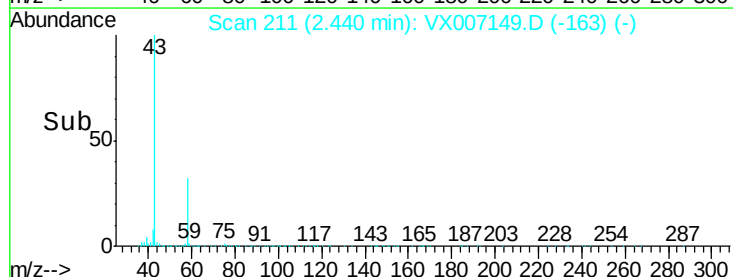
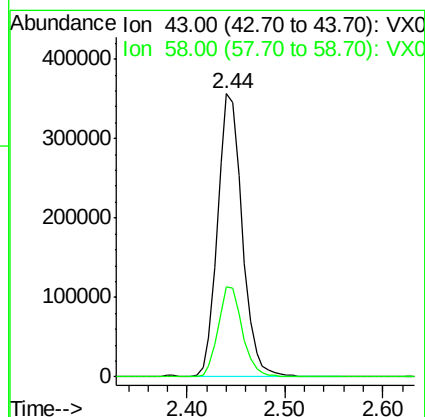
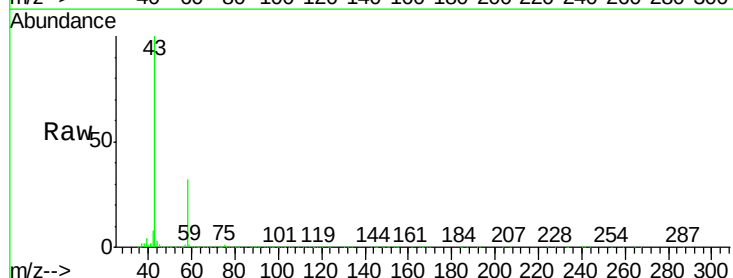
RT: 2.44 min Scan# 211

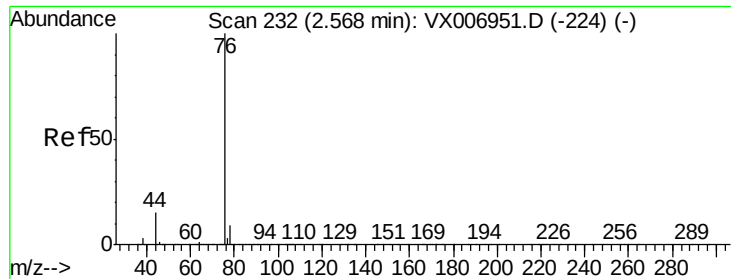
Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	43	Resp:	619872
Ion Ratio		Lower	Upper
43	100		
58	31.7	25.0	37.6





#17

Carbon Disulfide

Concen: 45.553 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 490387

Ion Ratio Lower Upper

76 100

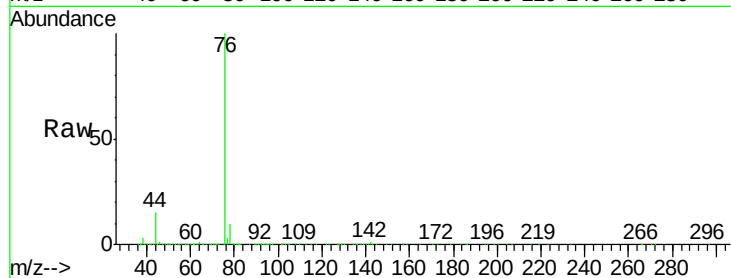
78 9.8 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

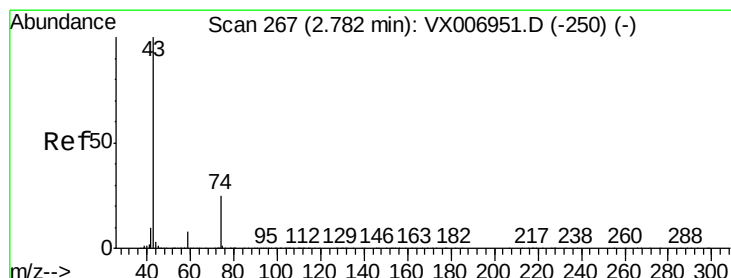
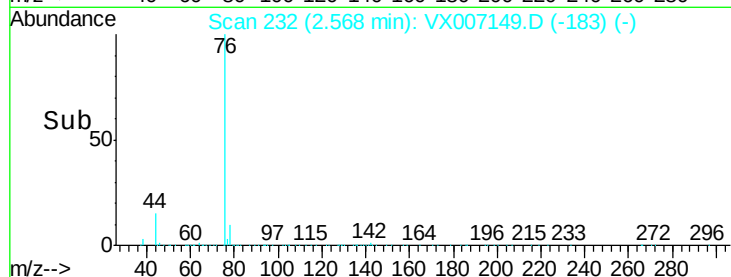
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 49.553 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX007149.D

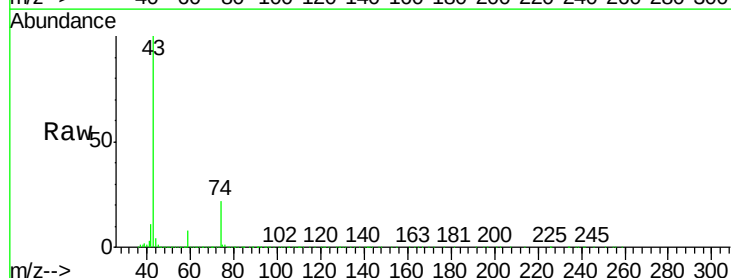
Acq: 21 Jan 2019 10:34

Tgt Ion: 43 Resp: 337303

Ion Ratio Lower Upper

43 100

74 23.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

200000

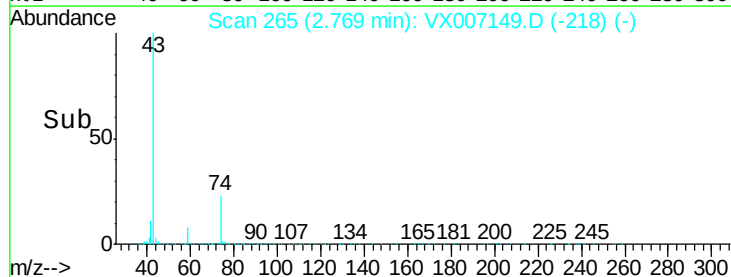
150000

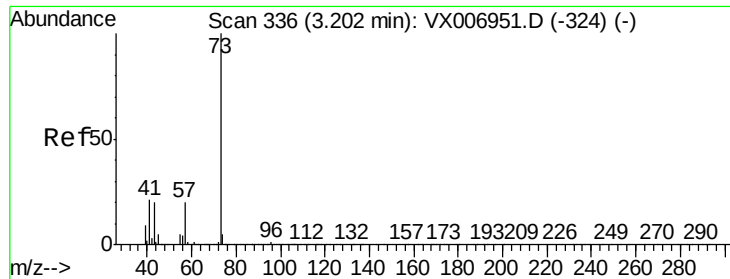
100000

50000

0

Time-->





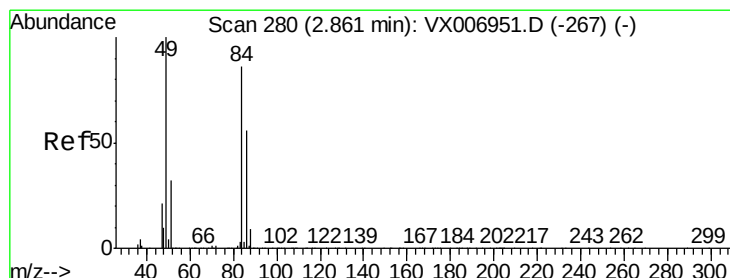
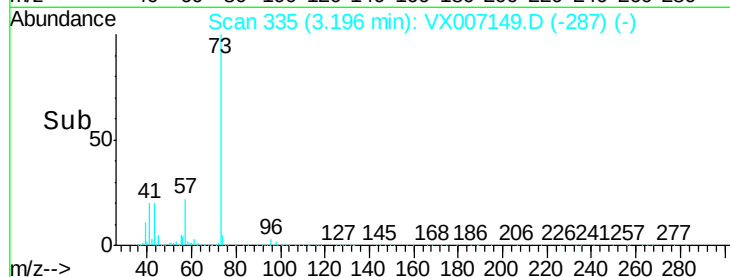
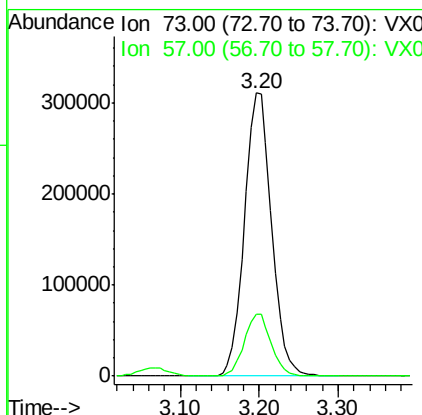
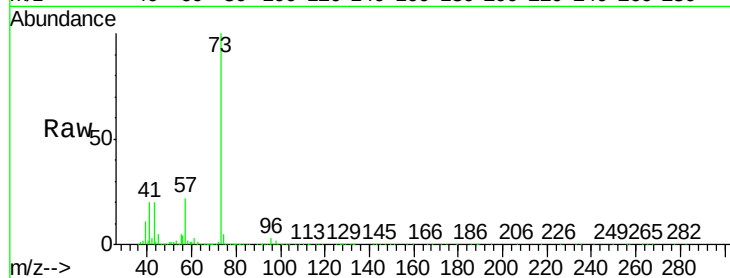
#19
Methyl tert-butyl Ether
Concen: 51.174 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	16.8	25.2

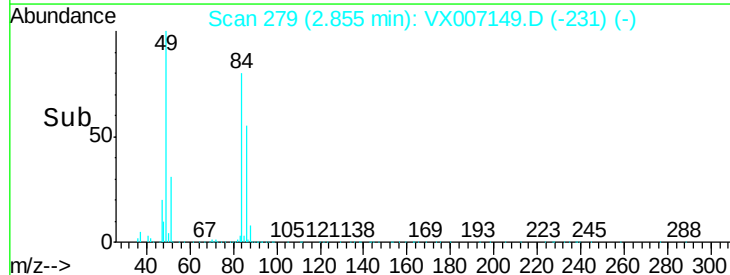
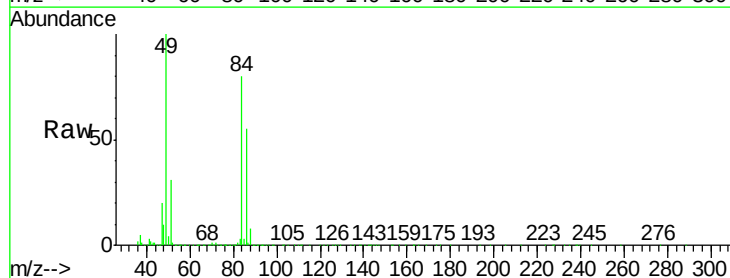
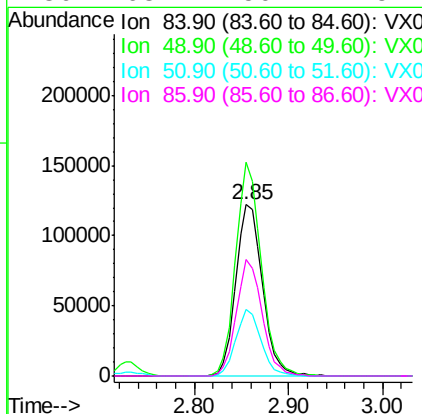
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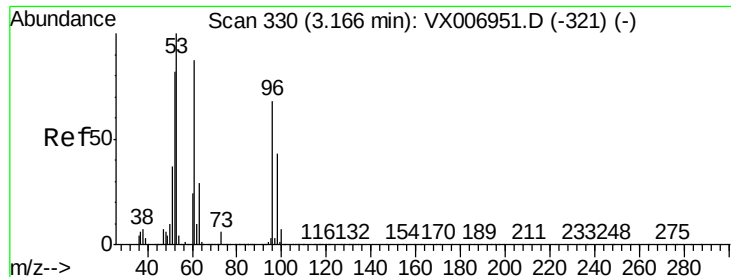
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#20
Methylene Chloride
Concen: 53.906 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	91.8	137.6
51	38.4	28.5	42.7
86	68.1	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 48.509 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

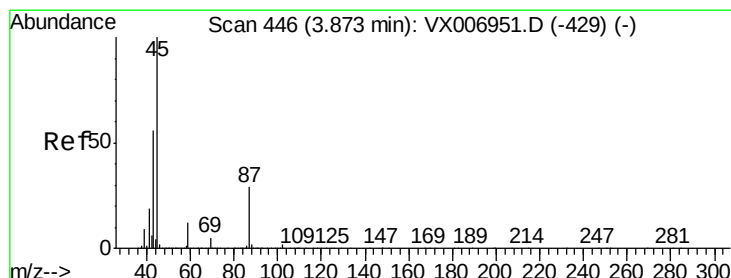
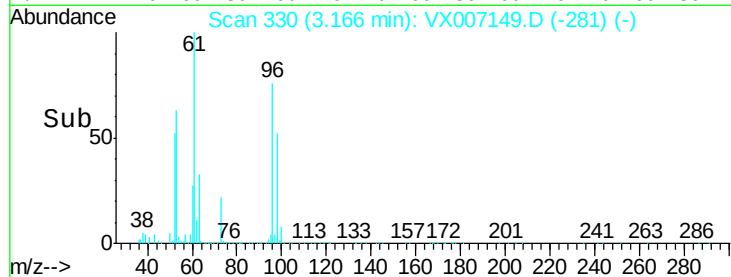
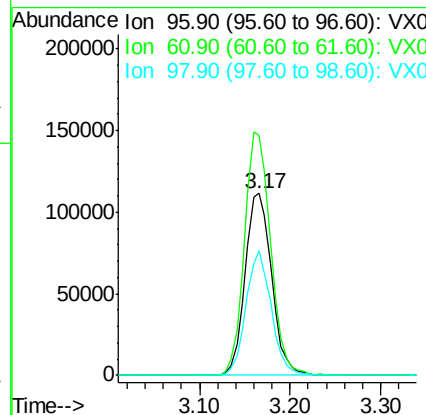
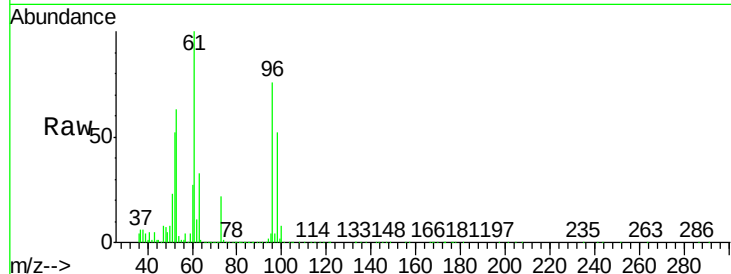
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	226036
Ion Ratio	Lower	Upper	
96	100		
61	132.1	103.7	155.5
98	68.7	51.0	76.6

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#22

Diisopropyl ether

Concen: 53.034 ug/l

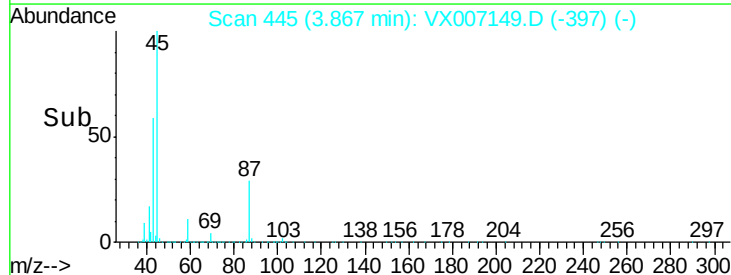
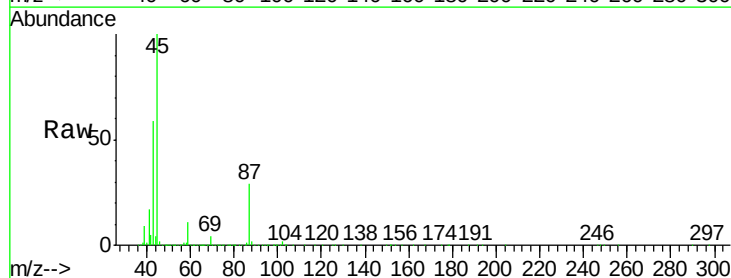
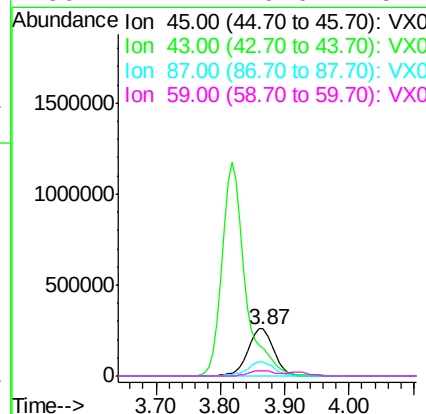
RT: 3.87 min Scan# 446

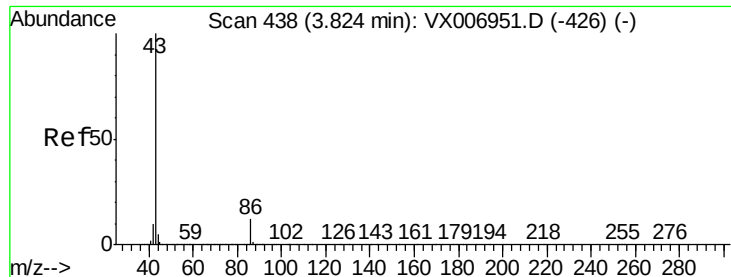
Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	45	Resp:	714466
Ion Ratio	Lower	Upper	
45	100		
43	58.6	51.2	76.8
87	29.1	25.8	38.6
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 262.956 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tot Ion: 43 Resp: 2987496

Ion Ratio Lower Upper

43 100

86 11.1 9.2 13.8

Instrument :

MSVOA_X

ClientSampled :

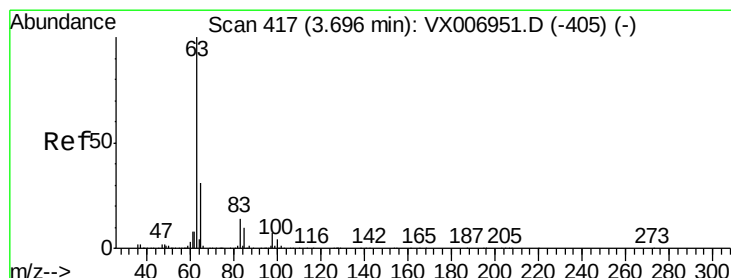
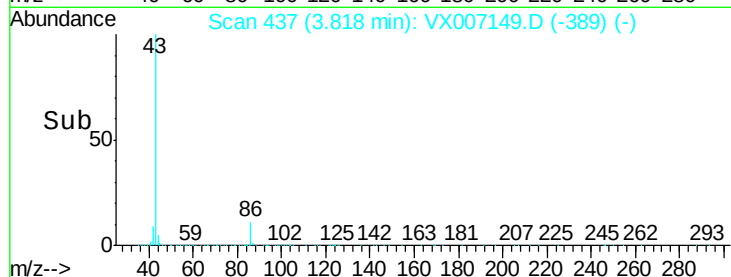
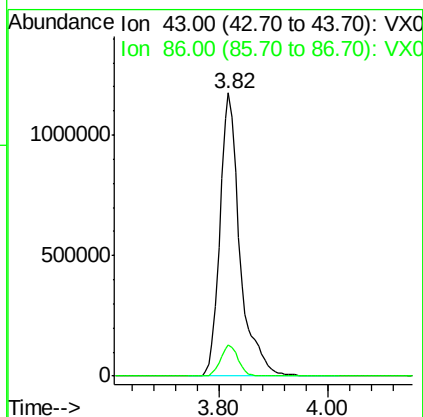
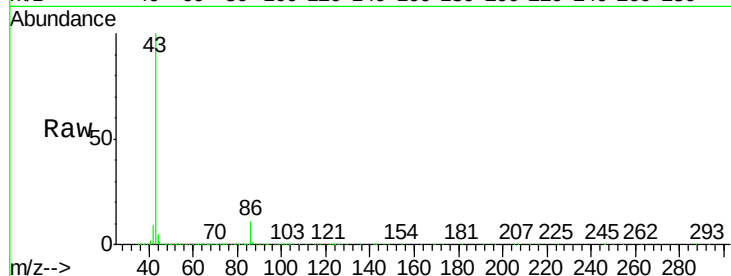
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 54.322 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

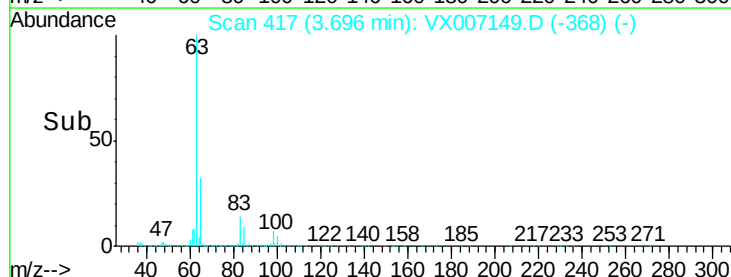
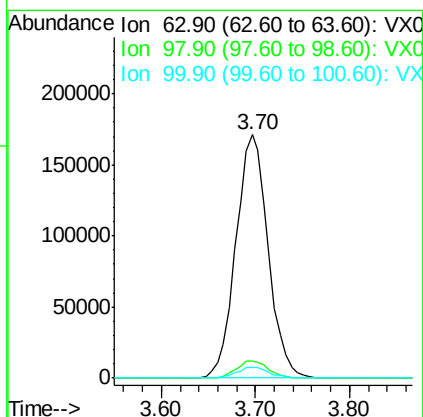
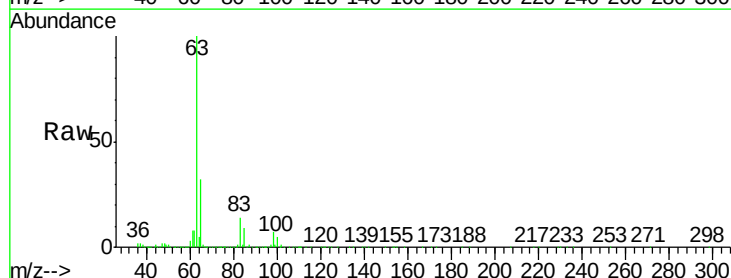
Tgt Ion: 63 Resp: 409210

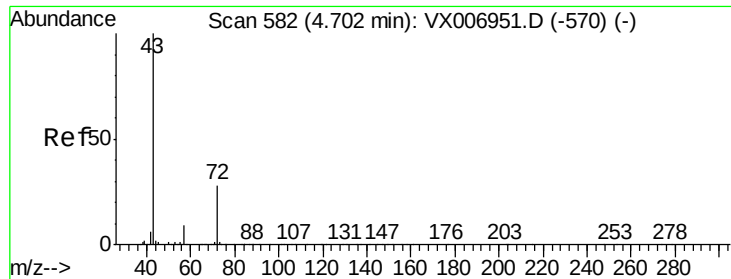
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 252.856 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tot Ion: 43 Resp: 850418

Ion Ratio Lower Upper

43 100

72 28.6 22.4 33.6

Instrument :

MSVOA_X

ClientSampleId :

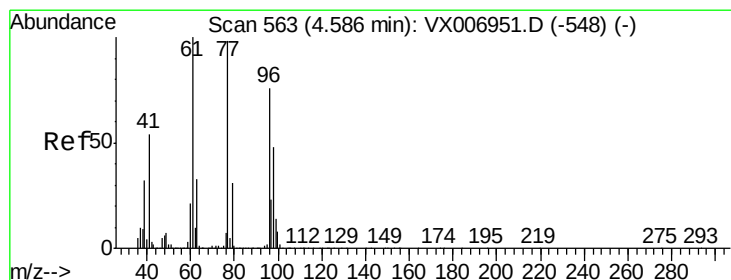
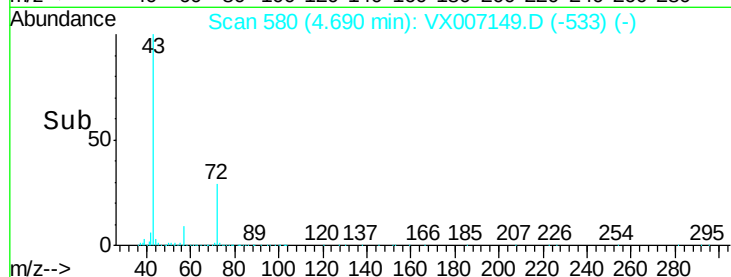
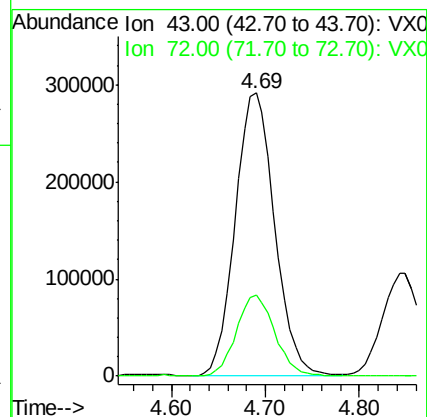
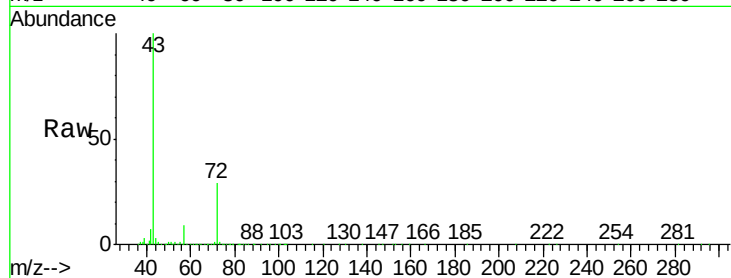
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 56.093 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007149.D

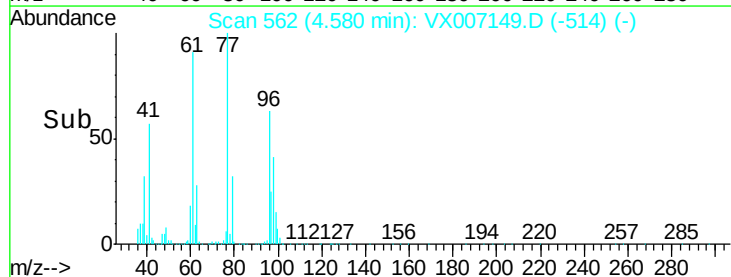
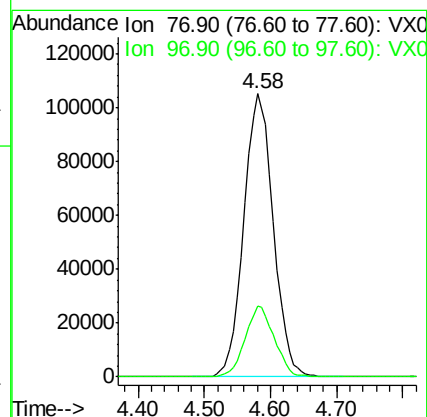
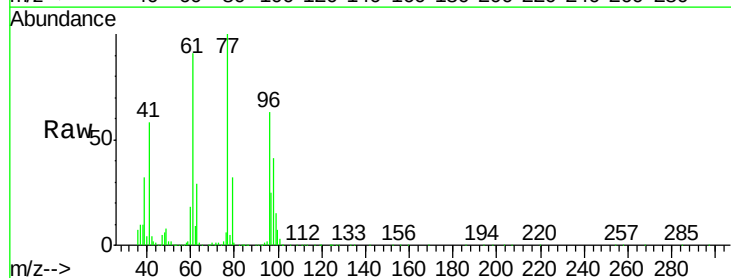
Acq: 21 Jan 2019 10:34

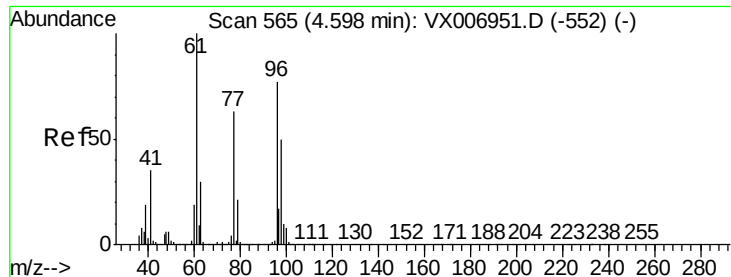
Tgt Ion: 77 Resp: 324928

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4





#27

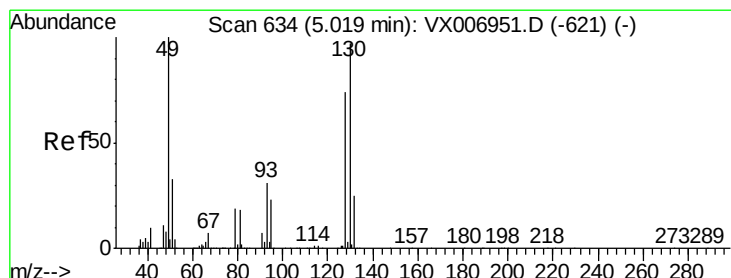
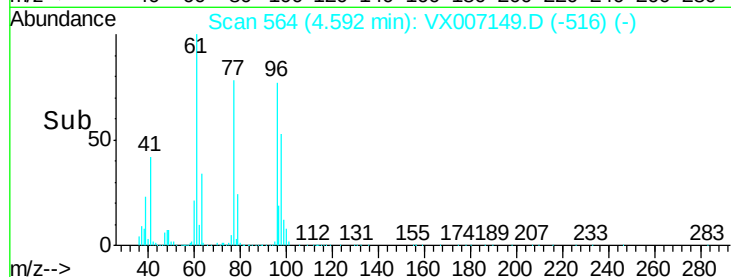
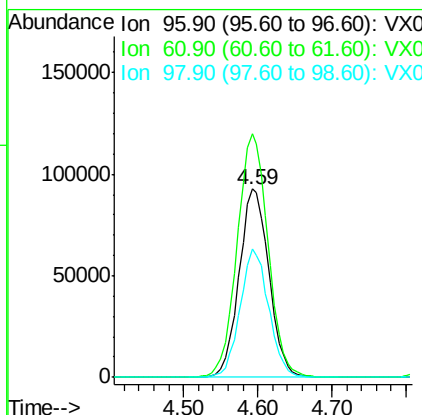
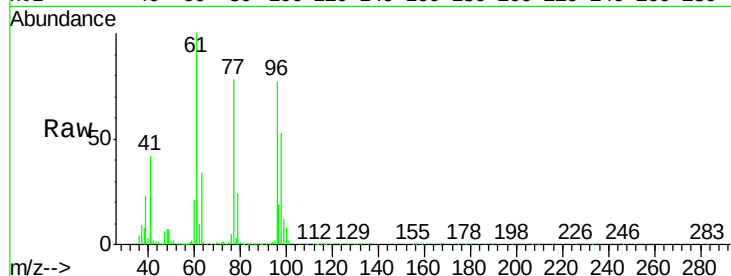
cis-1,2-Dichloroethene
Concen: 50.968 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	258.6
98	65.4	0.0	132.0

Manual Integrations
APPROVED

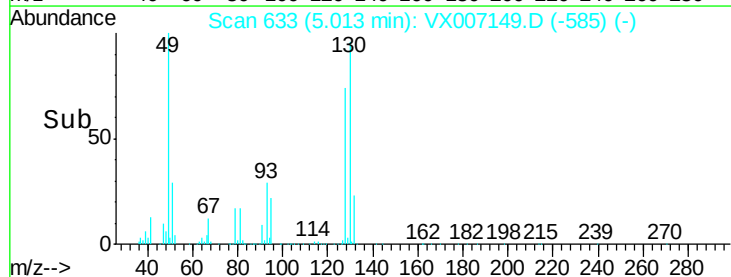
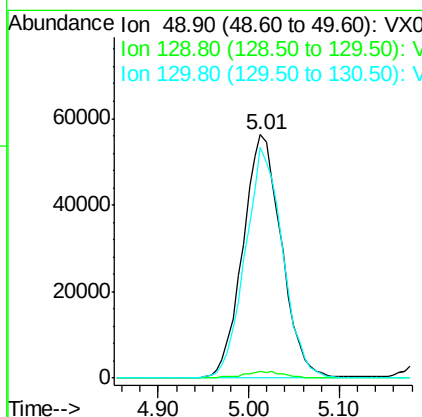
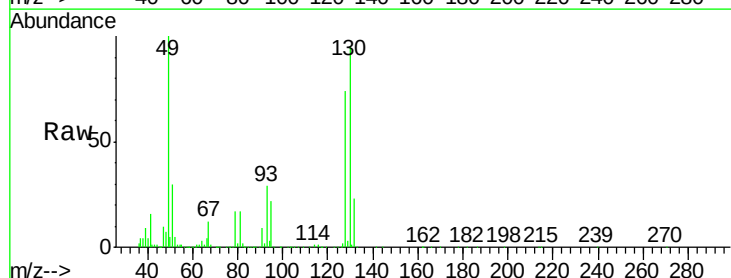
MMDadoda
1/22/2019 10:55:59 AM

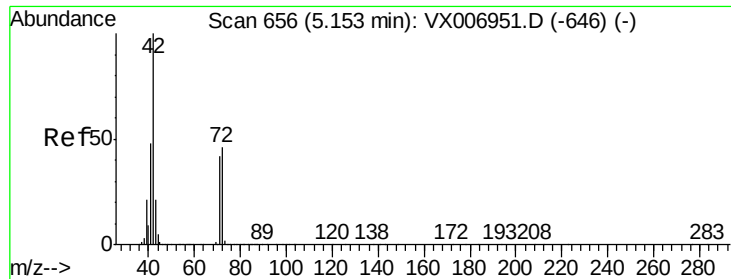


#28

Bromochloromethane
Concen: 50.383 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.4
130	91.9	77.7	116.5





#29

Tetrahydrofuran

Concen: 233.180 ug/l

RT: 5.14 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

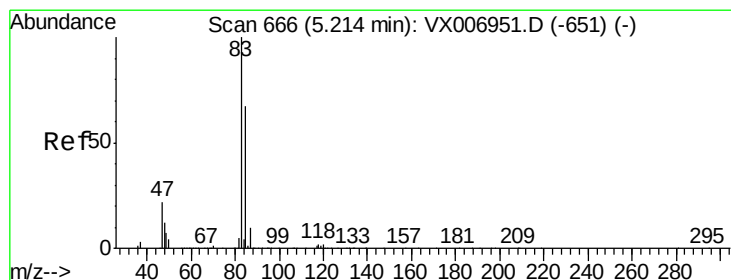
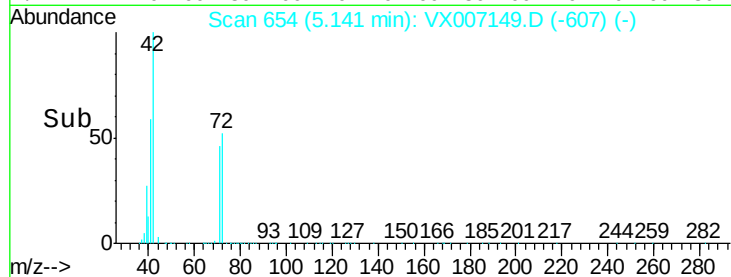
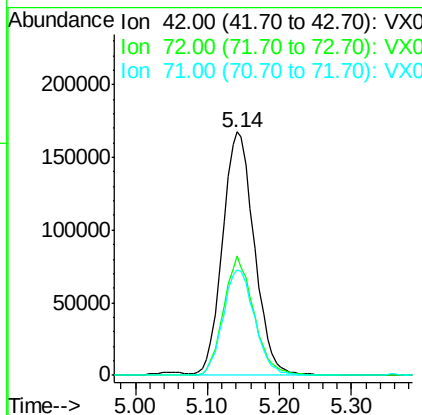
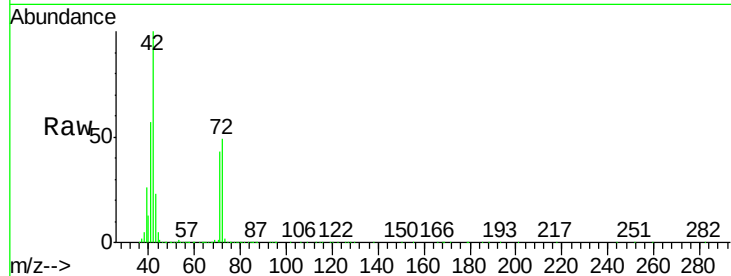
ClientSampleId :

VSTDCCC050

Tot Ion	42	Resp	509661
Ion Ratio	Lower	Upper	
42	100		
72	47.0	38.9	58.3
71	43.3	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 53.957 ug/l

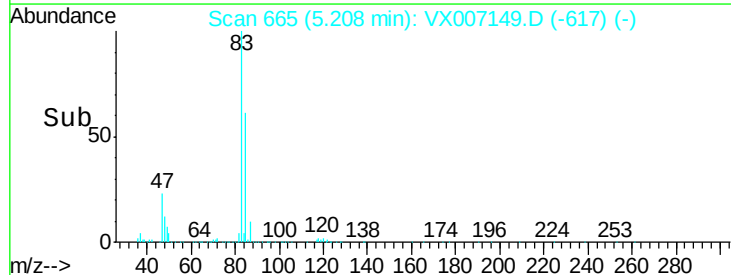
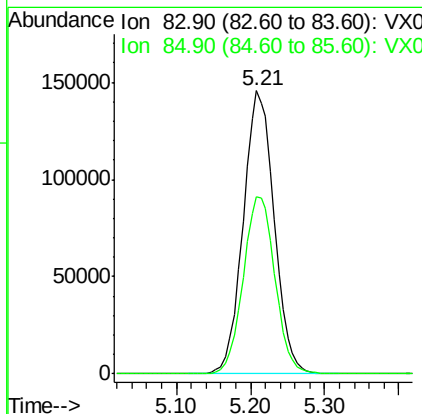
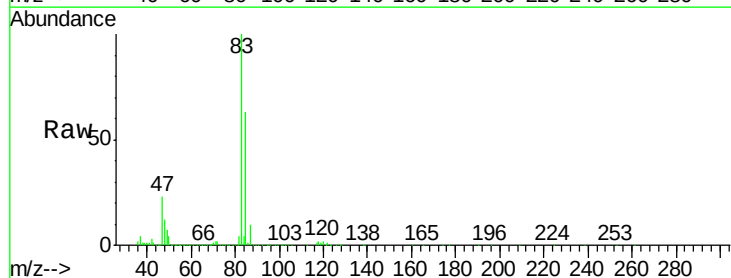
RT: 5.21 min Scan# 665

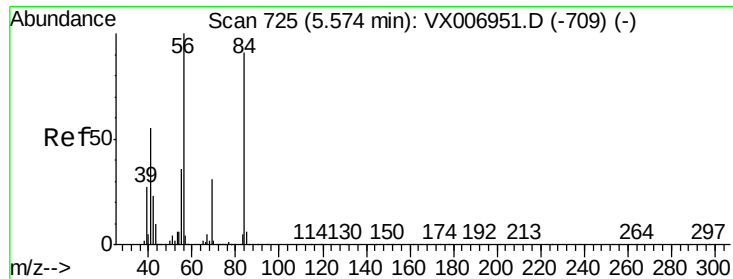
Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion	83	Resp	425560
Ion Ratio	Lower	Upper	
83	100		
85	62.4	51.2	76.8





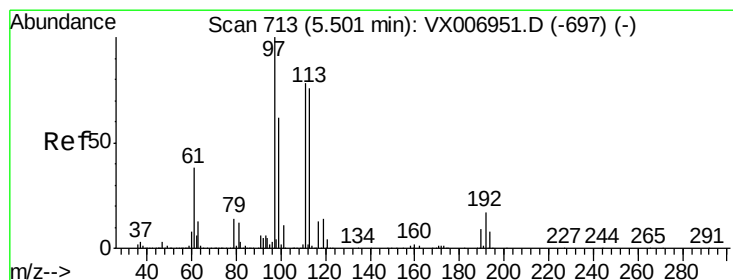
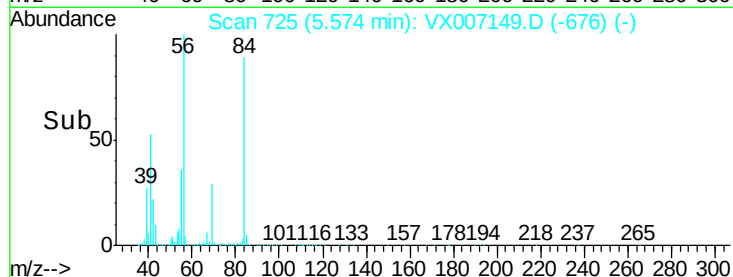
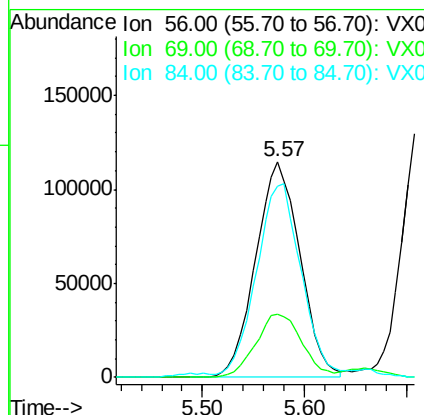
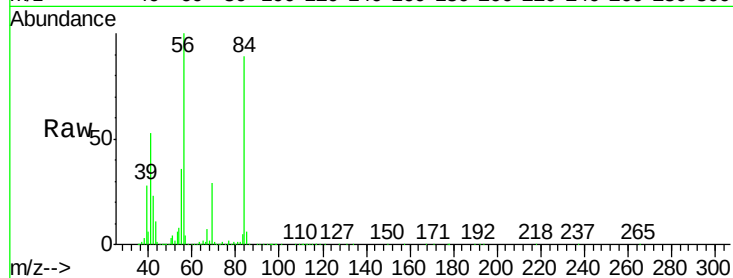
#31
Cyclohexane
Concen: 51.603 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.4	36.6
84	86.8	70.0	105.0

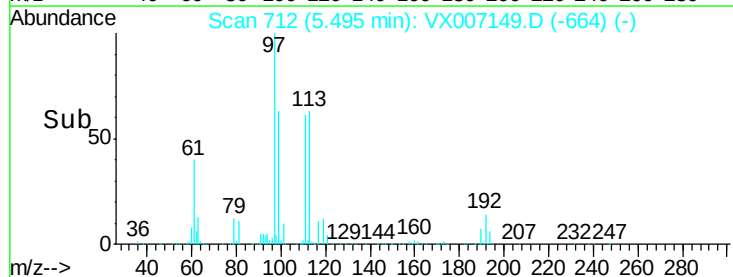
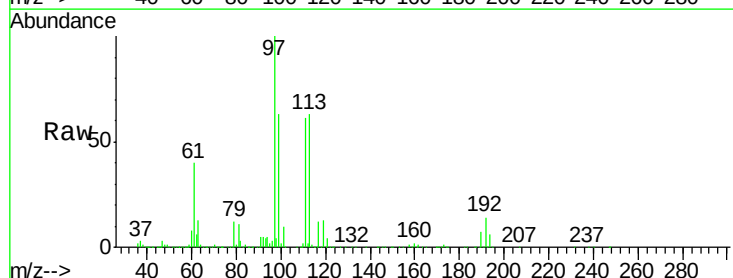
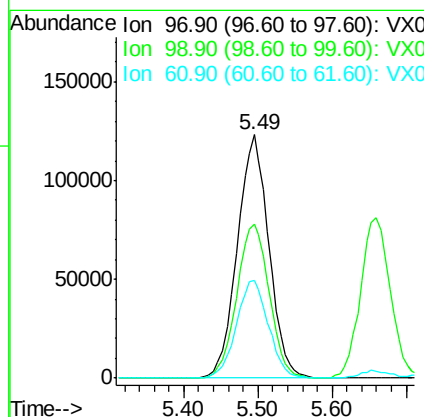
Manual Integrations
APPROVED

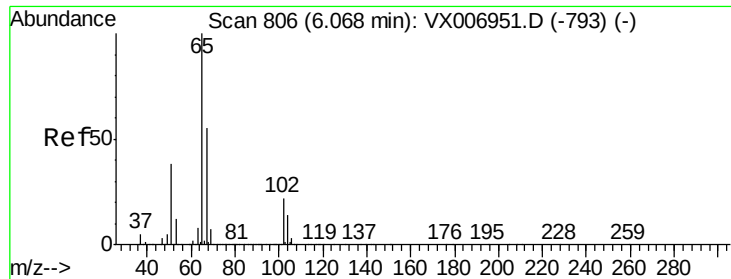
MMDadoda
1/22/2019 10:55:59 AM



#32
1,1,1-Trichloroethane
Concen: 54.551 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.7	77.5
61	41.0	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.317 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 239235

Ion Ratio Lower Upper

65 100

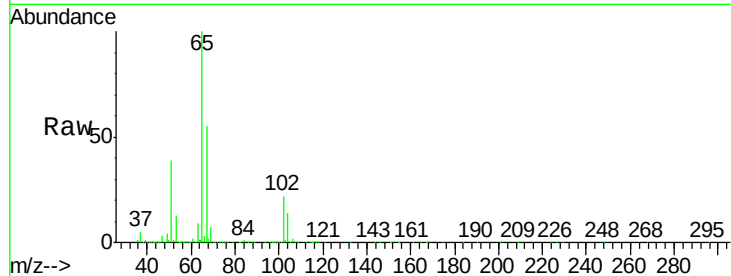
67 54.3 0.0 105.0

Manual Integrations

APPROVED

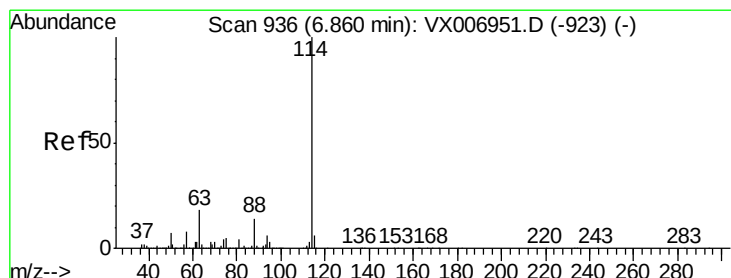
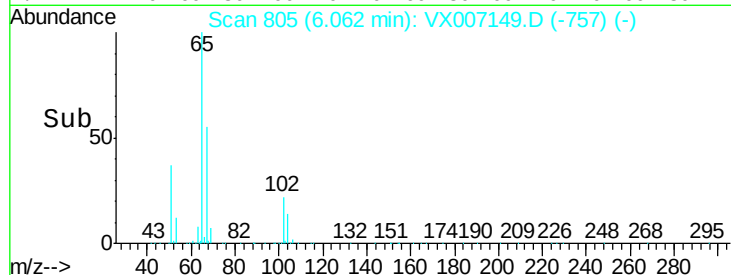
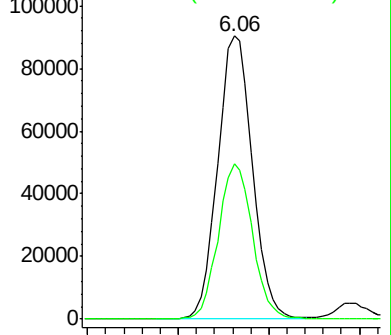
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

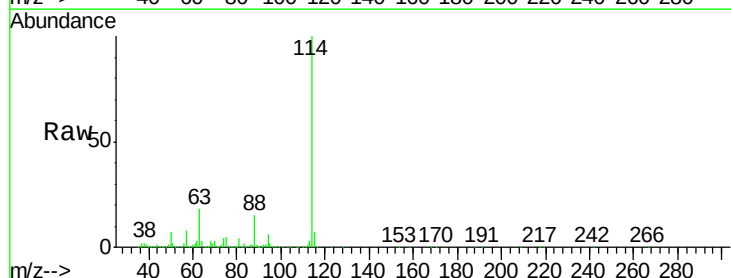
Tgt Ion: 114 Resp: 651019

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

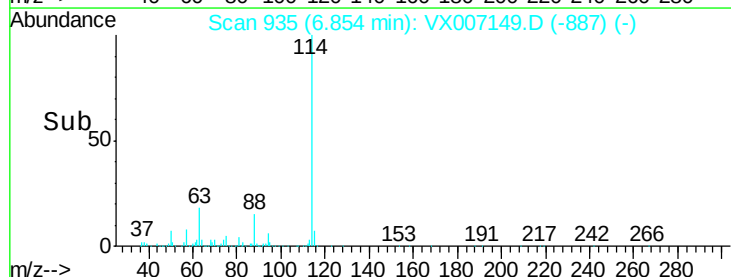
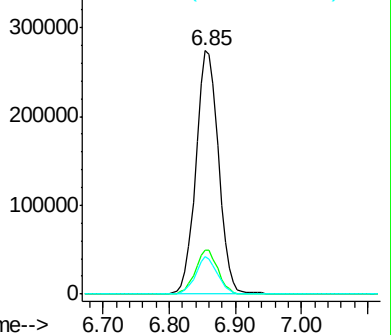
88 15.2 0.0 28.8

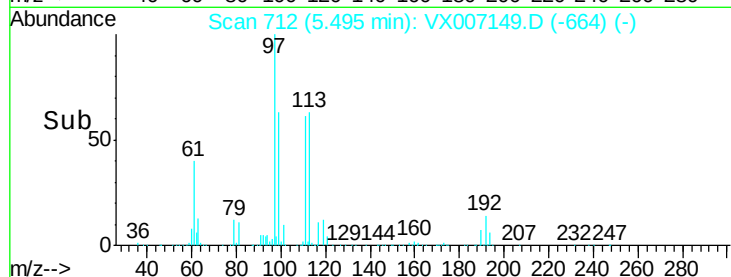
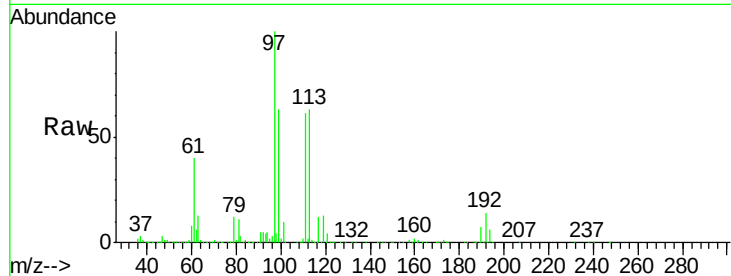
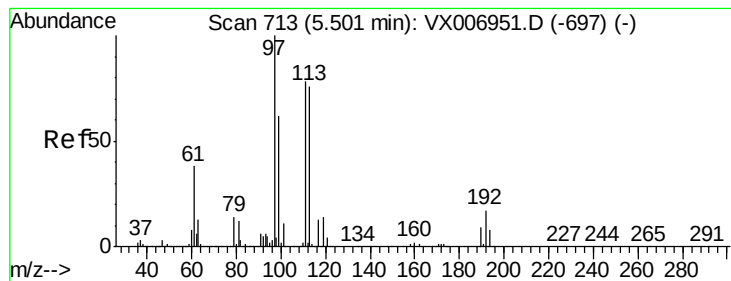


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.962 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007149.D

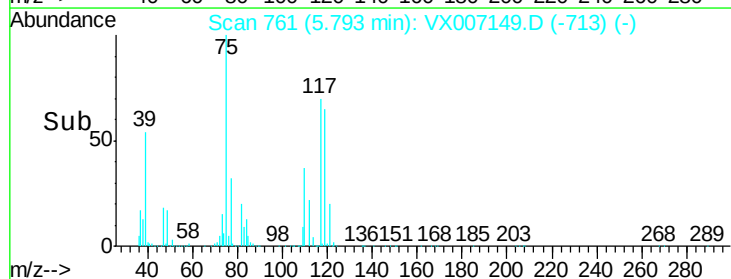
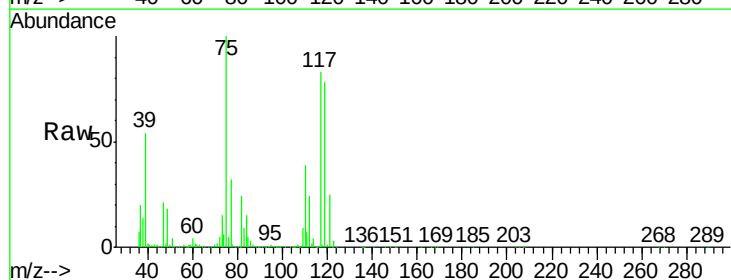
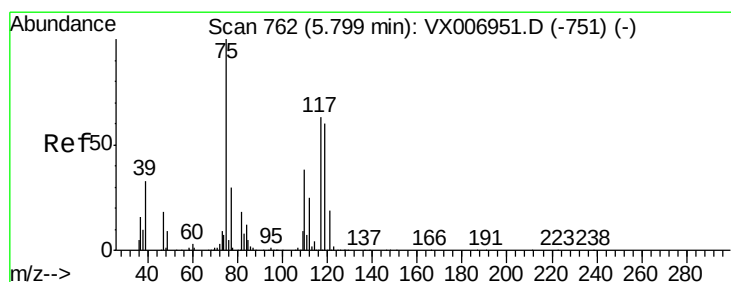
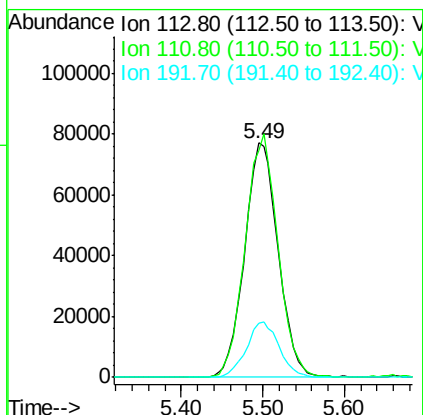
Acq: 21 Jan 2019 10:34

Tot Ion:	113	Resp:	220805
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.6	122.4
192	23.1	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.899 ug/l

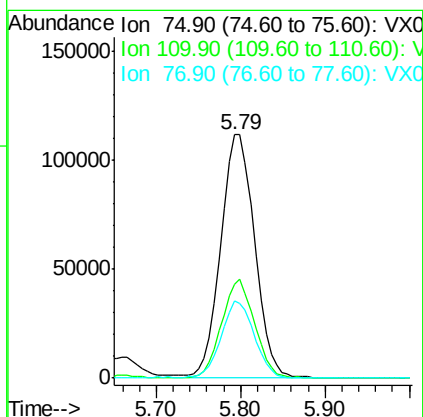
RT: 5.79 min Scan# 761

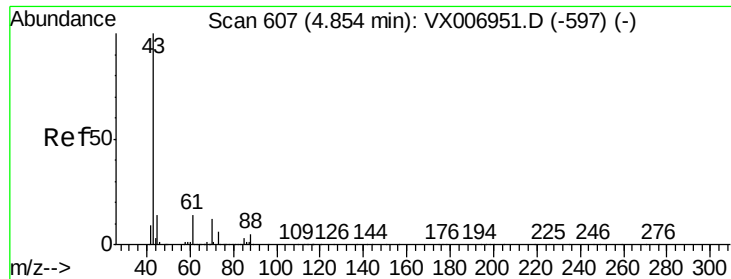
Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	75	Resp:	305074
Ion Ratio	Lower	Upper	
75	100		
110	39.7	20.2	60.5
77	30.3	24.8	37.2





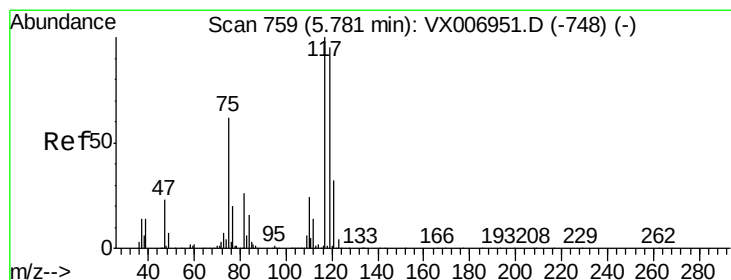
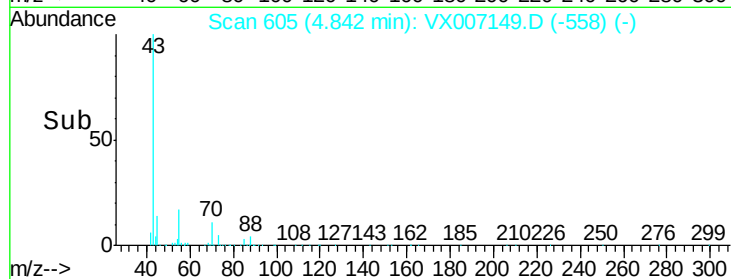
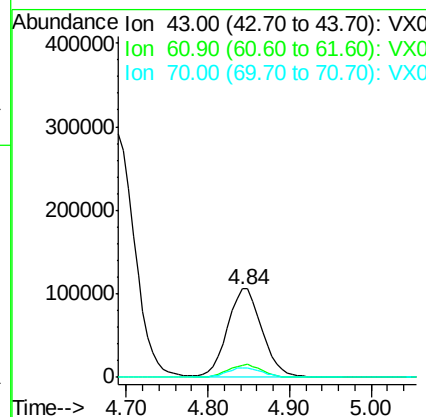
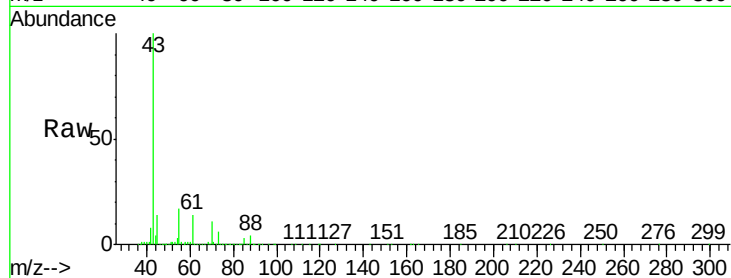
#37
Ethyl Acetate
Concen: 51.045 ug/l
RT: 4.84 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	309745
Ion Ratio	Lower	Upper	
43	100		
61	14.1	11.9	17.9
70	11.0	9.7	14.5

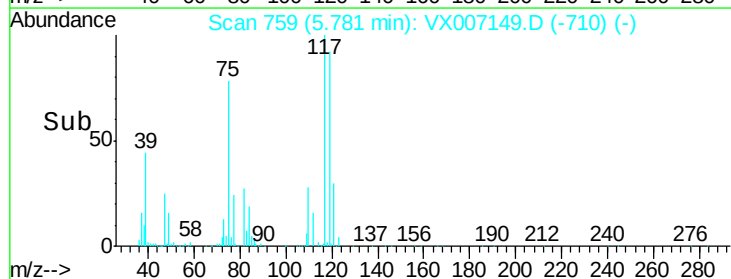
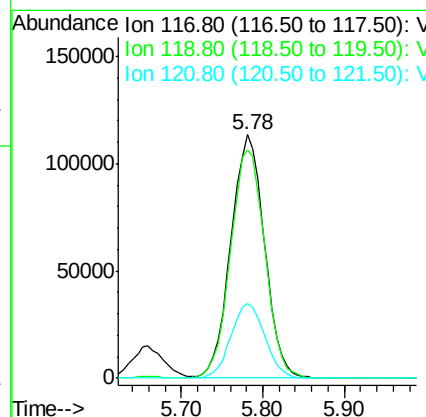
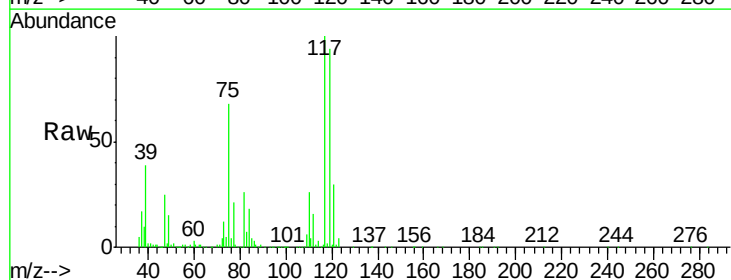
Manual Integrations
APPROVED

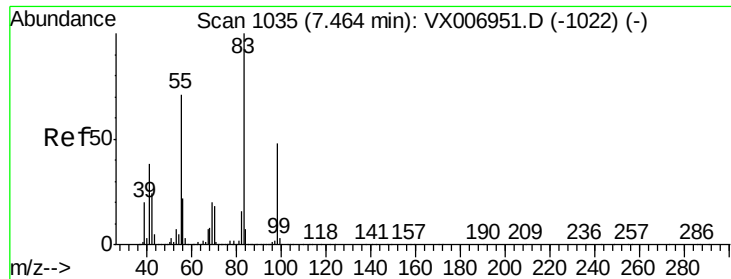
MMDadoda
1/22/2019 10:55:59 AM



#38
Carbon Tetrachloride
Concen: 56.590 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	117	Resp	322266
Ion Ratio	Lower	Upper	
117	100		
119	93.6	79.4	119.2
121	30.4	24.0	36.0





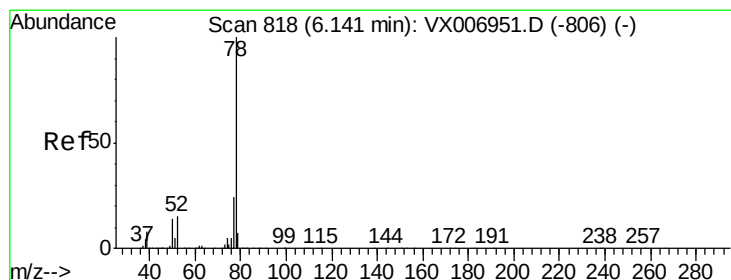
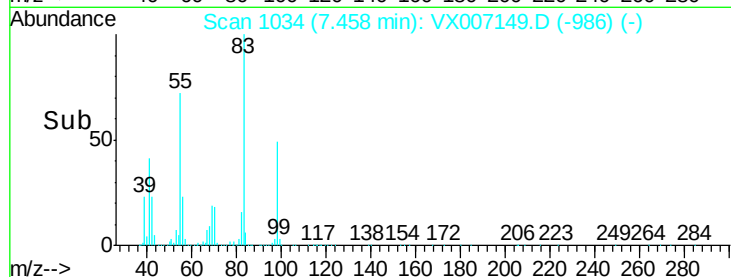
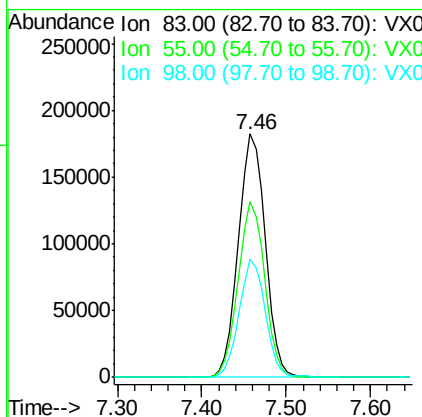
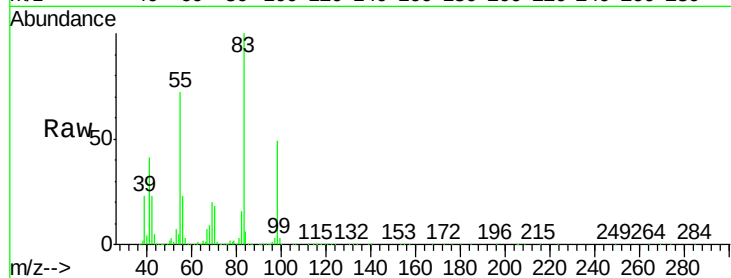
#39
Methylvlcyclohexane
Concen: 54.277 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	54.9	82.3
98	48.8	37.9	56.9

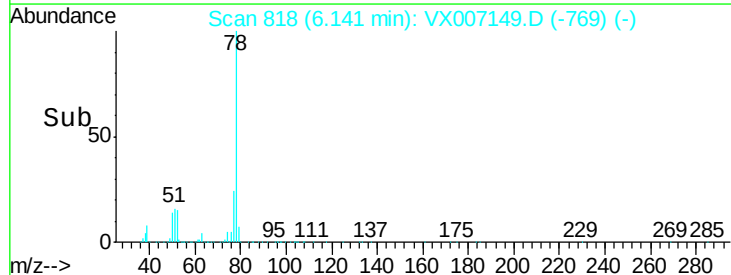
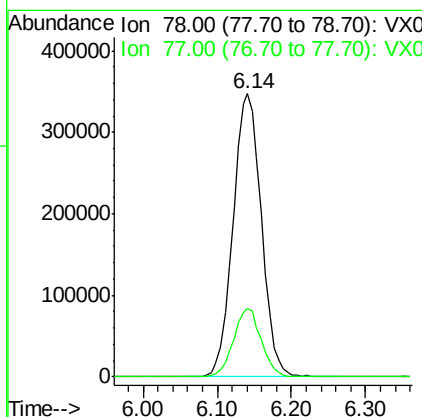
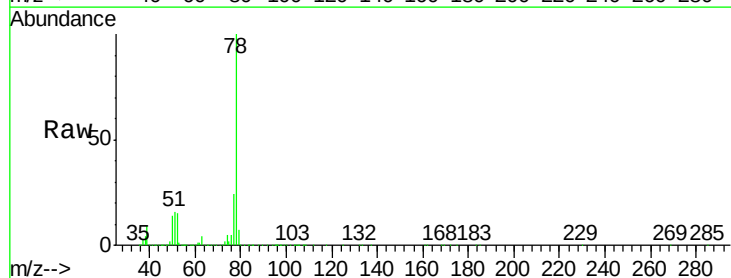
Manual Integrations
APPROVED

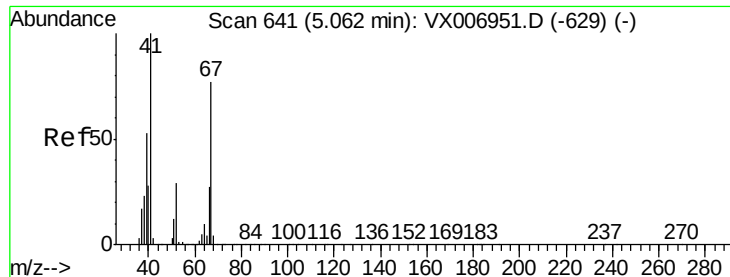
MMDadoda
1/22/2019 10:55:59 AM



#40
Benzene
Concen: 53.492 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





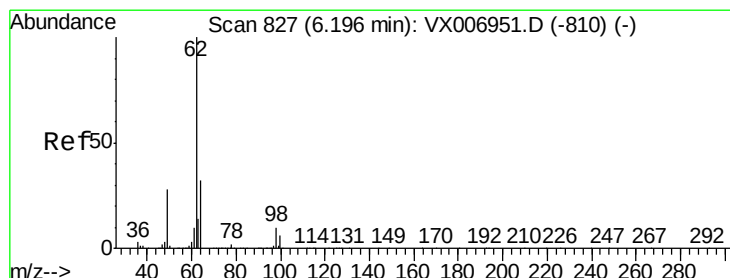
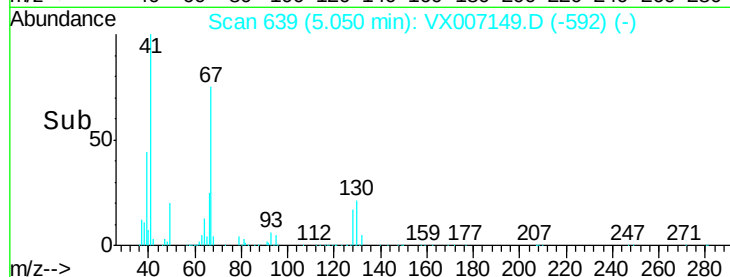
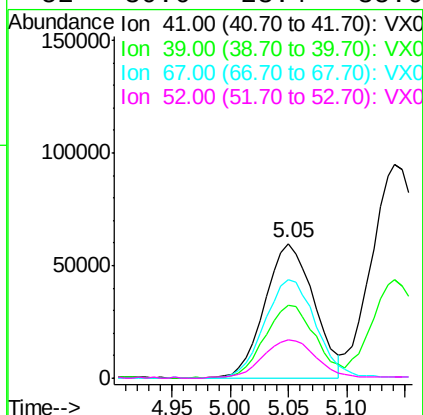
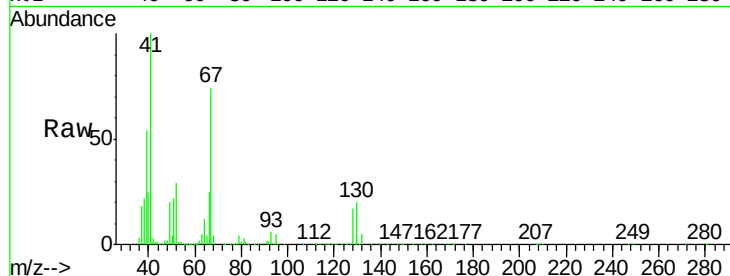
#41
Methacrylonitrile
Concen: 49.979 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		174714		
39	56.0	42.8	64.2		
67	76.6	62.1	93.1		
52	30.6	23.4	35.0		

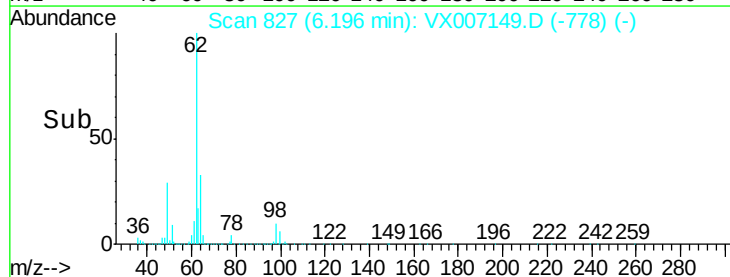
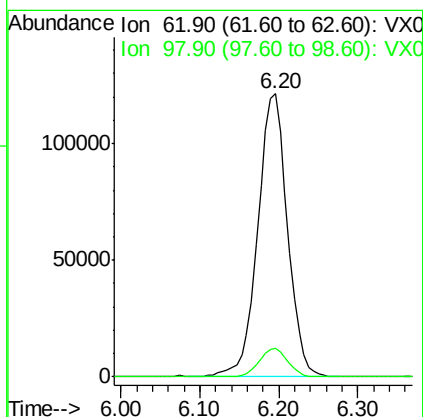
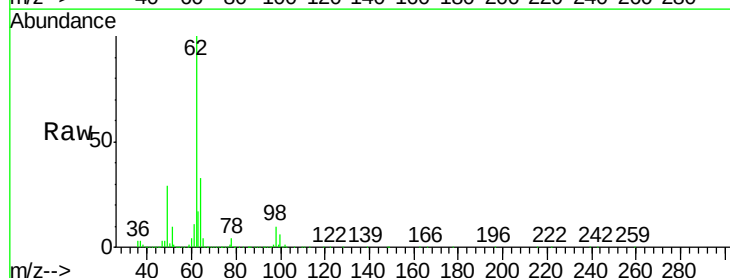
Manual Integrations
APPROVED

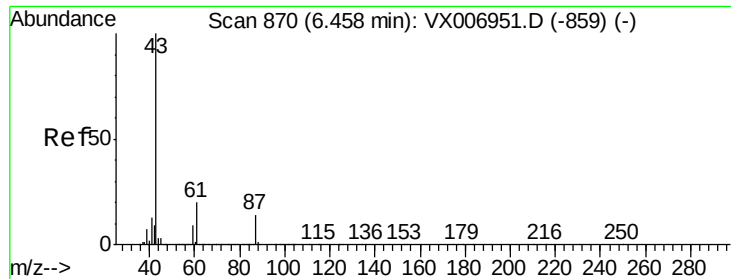
MMDadoda
1/22/2019 10:55:59 AM



#42
1,2-Dichloroethane
Concen: 53.088 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		316830		
98	9.8	0.0	20.2		





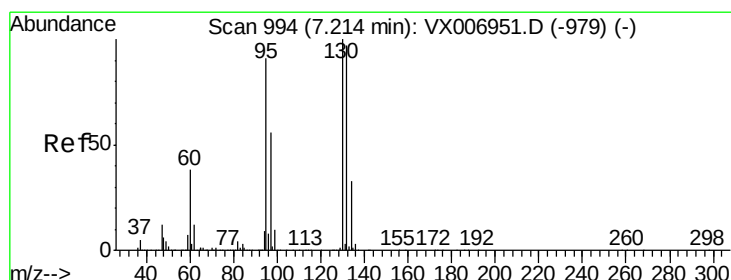
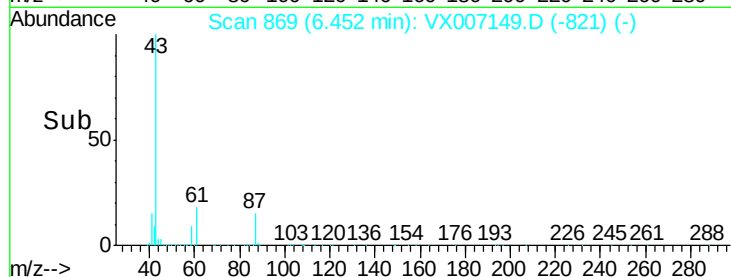
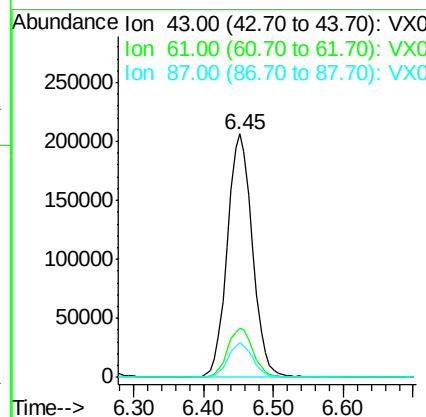
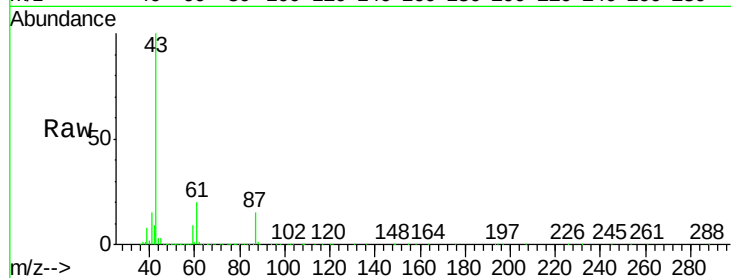
#43
Isopropyl Acetate
Concen: 53.413 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.8	25.2
87	14.1	12.4	18.6

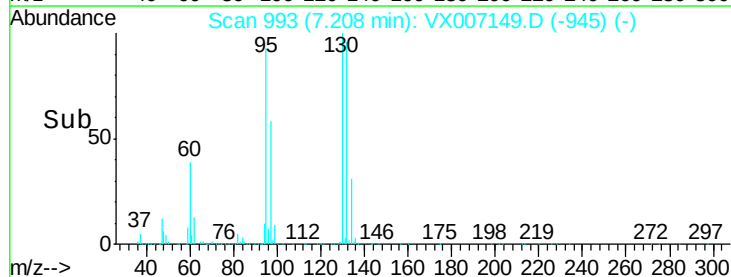
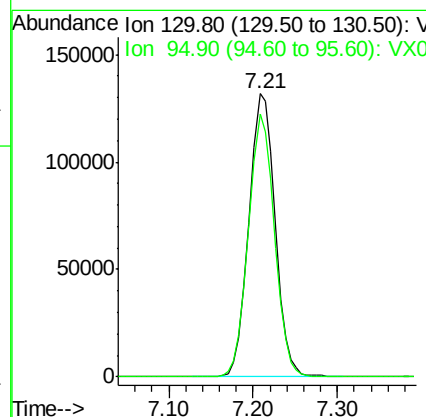
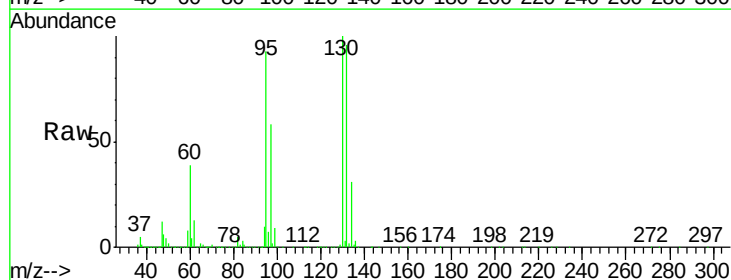
Manual Integrations
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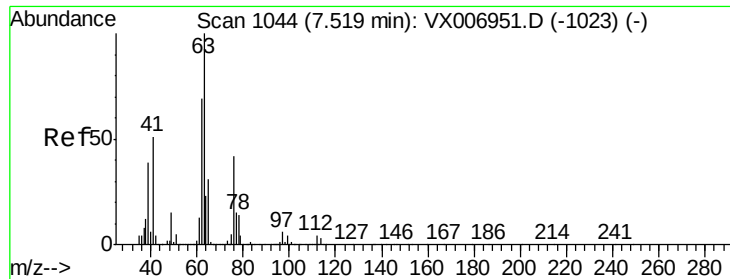
MMDadoda
1/22/2019 10:55:59 AM



#44
Trichloroethene
Concen: 53.425 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	187.0





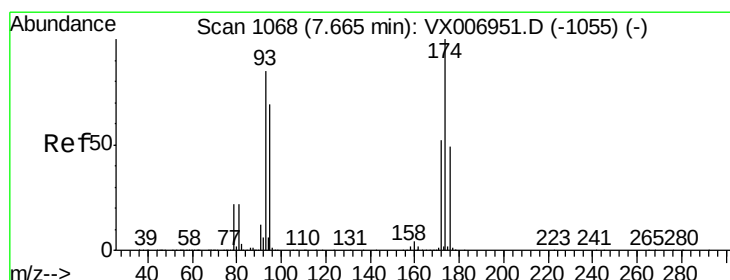
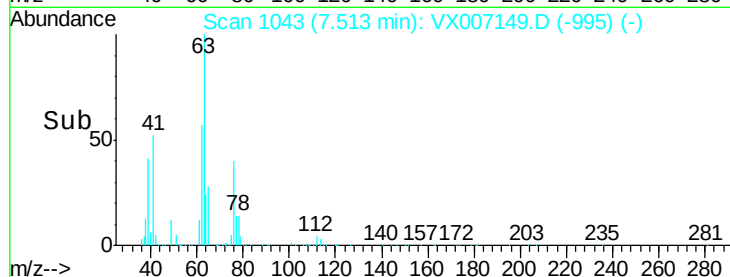
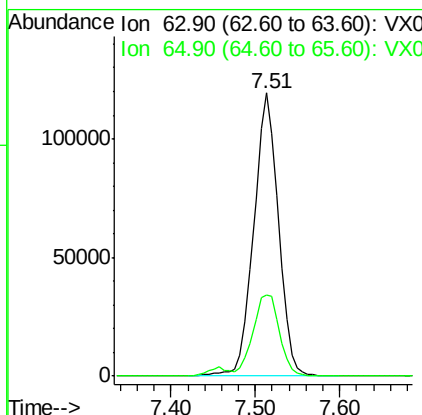
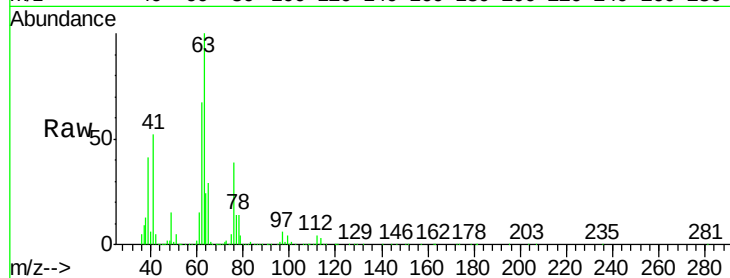
#45
 1,2-Dichloropropane
 Concen: 54.590 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	25.4	38.0

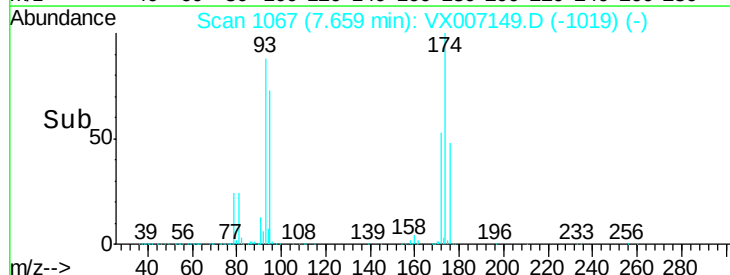
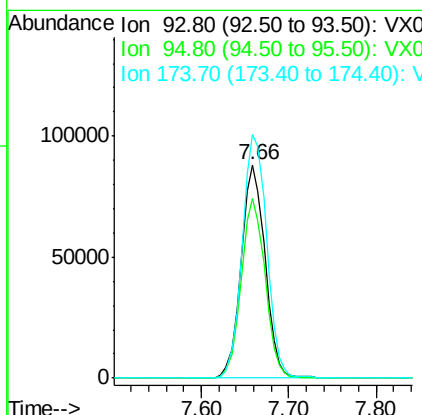
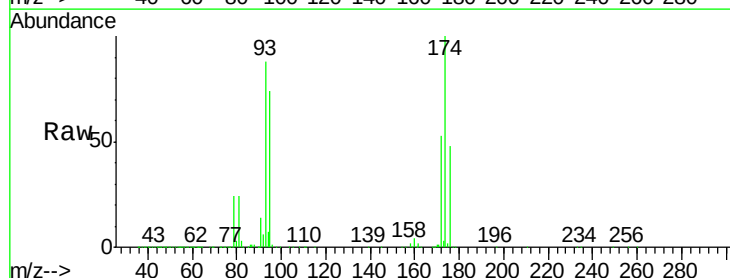
Manual Integrations
 APPROVED

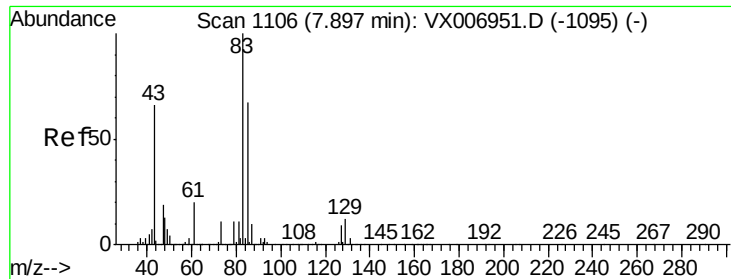
MMDadoda
 1/22/2019 10:55:59 AM



#46
 Dibromomethane
 Concen: 55.006 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.2	99.4
174	116.4	91.0	136.4





#47

Bromodichloromethane

Concen: 59.190 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

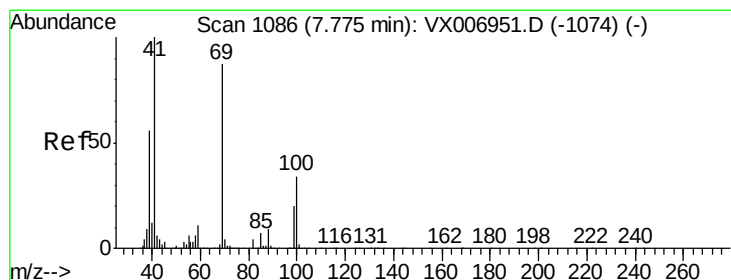
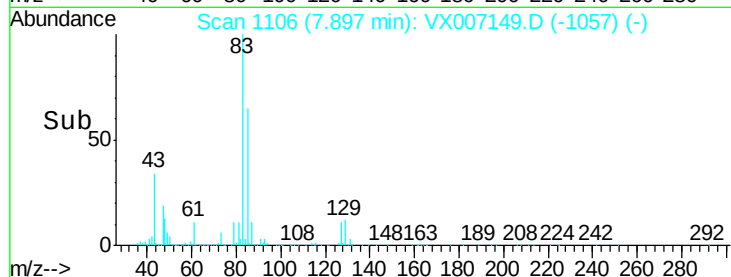
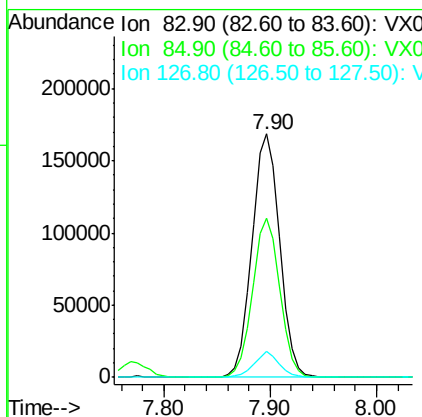
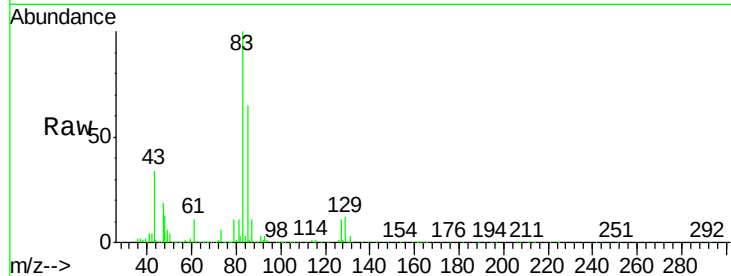
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	307441
Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.2	79.8
127	10.6	7.8	11.6

Manual Integrations
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MMDadoda
1/22/2019 10:55:59 AM



#48

Methyl methacrylate

Concen: 53.987 ug/l

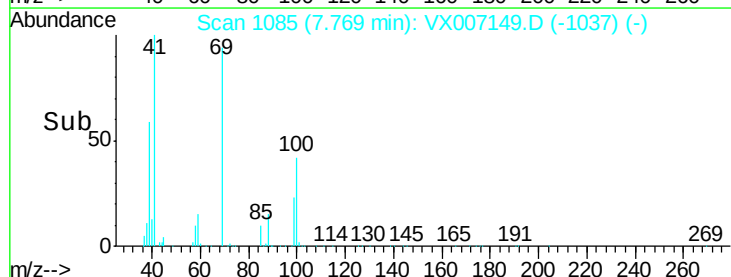
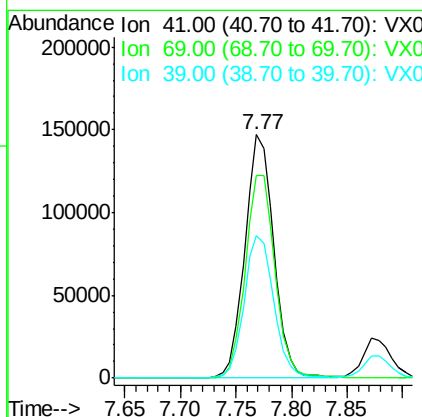
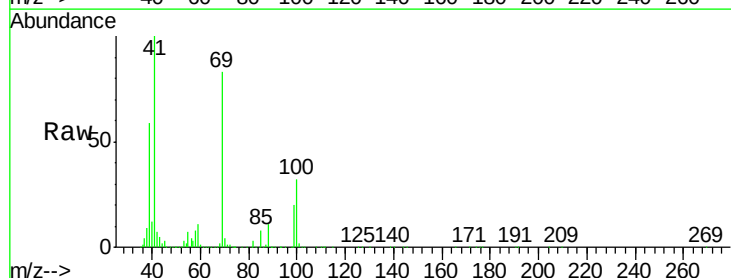
RT: 7.77 min Scan# 1085

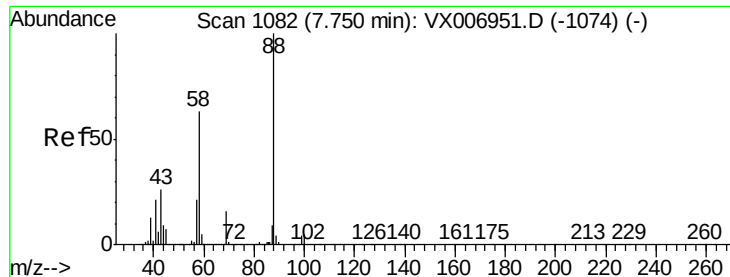
Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	41	Resp:	265369
Ion	Ratio	Lower	Upper
41	100		
69	86.2	72.4	108.6
39	59.7	45.8	68.8





#49

1,4-Dioxane

Concen: 984.783 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

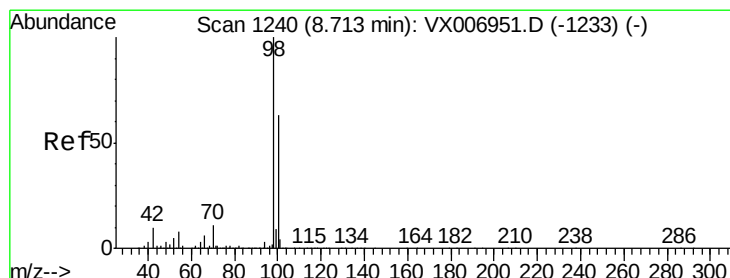
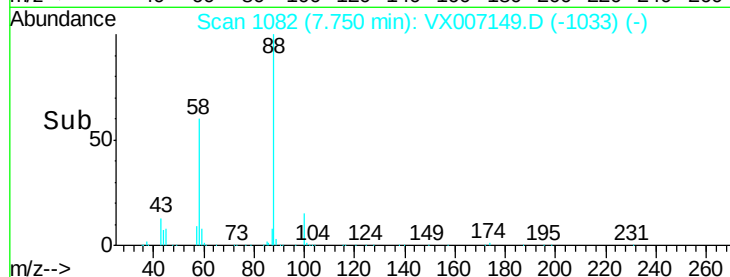
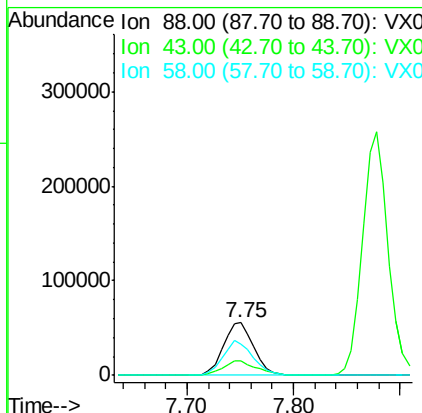
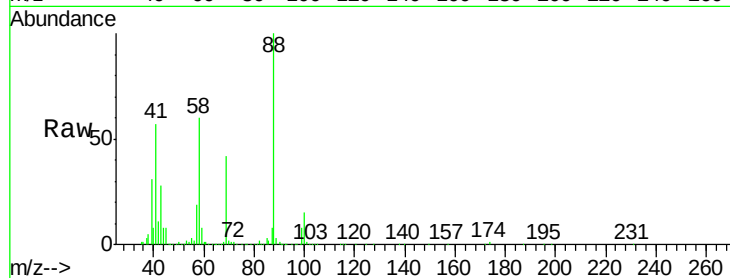
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	110559
Ion	Ratio	Lower	Upper
88	100		
43	30.9	22.2	33.4
58	65.2	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 53.371 ug/l

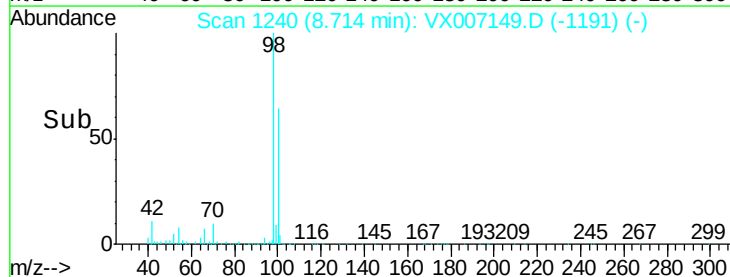
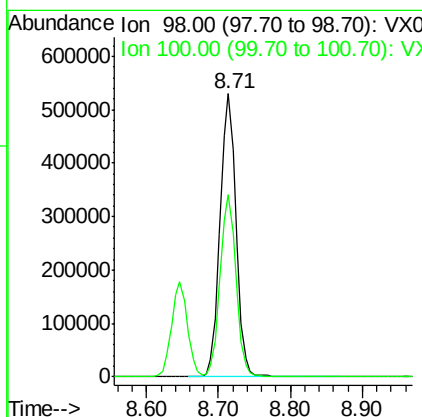
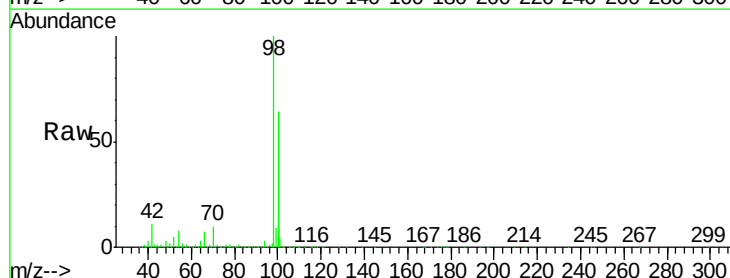
RT: 8.71 min Scan# 1240

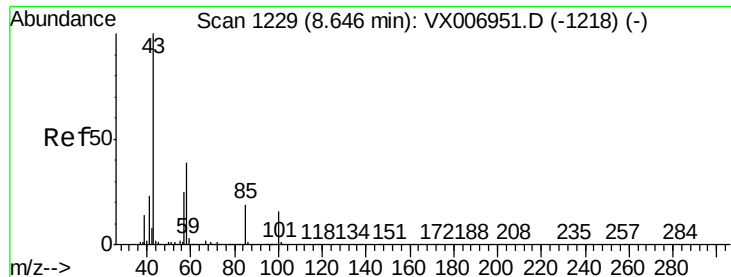
Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	98	Resp:	814454
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 276.756 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1702409

Ion Ratio Lower Upper

43 100

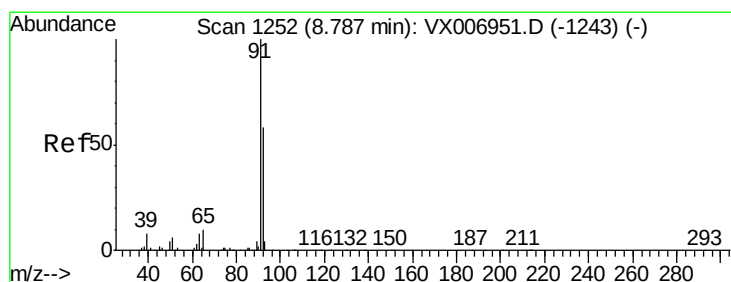
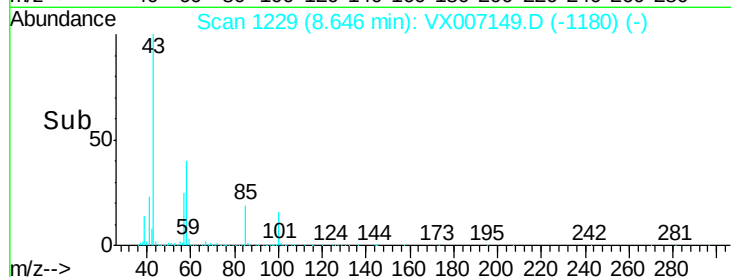
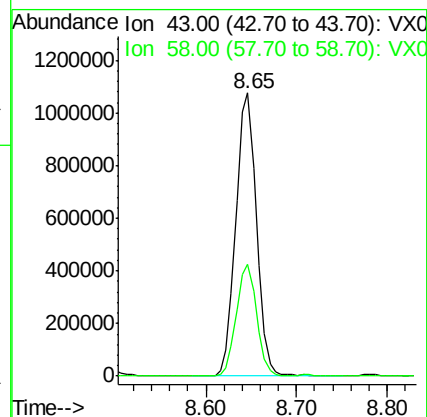
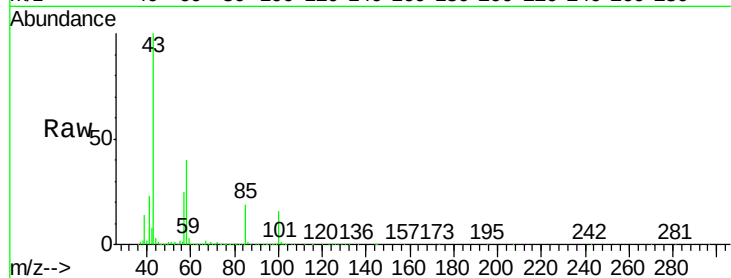
58 38.9 31.8 47.6

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#52

Toluene

Concen: 54.904 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007149.D

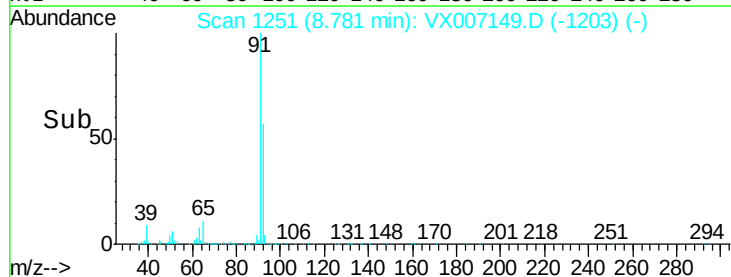
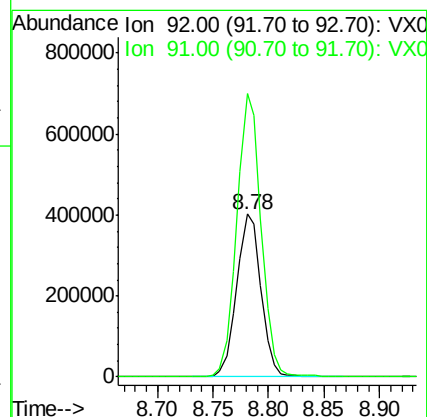
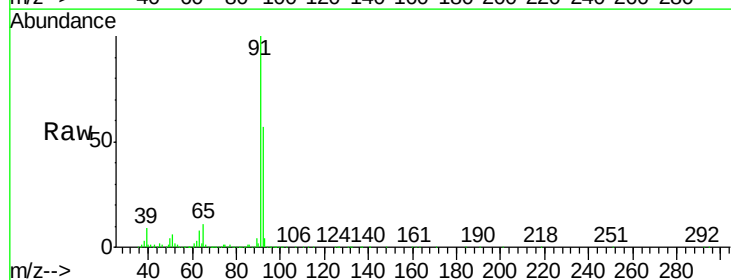
Acq: 21 Jan 2019 10:34

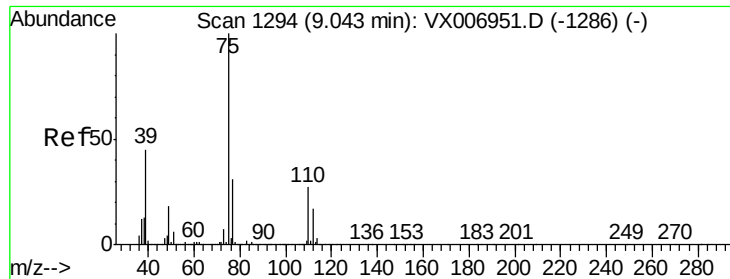
Tgt Ion: 92 Resp: 609455

Ion Ratio Lower Upper

92 100

91 174.2 137.6 206.4





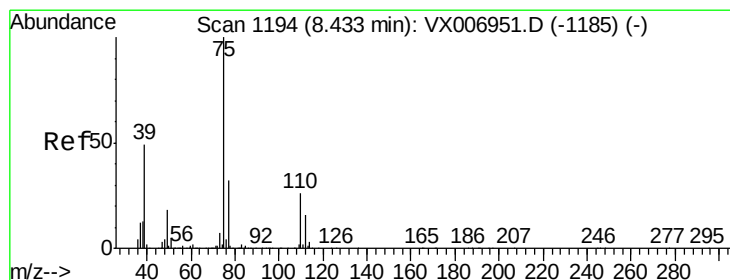
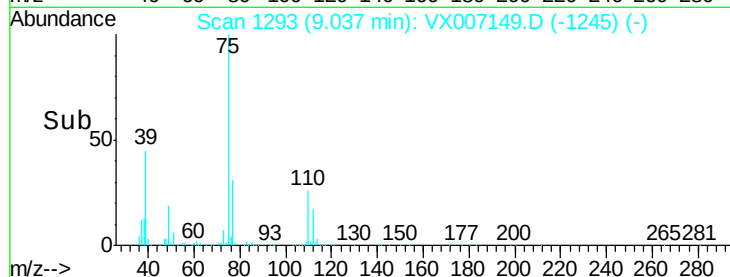
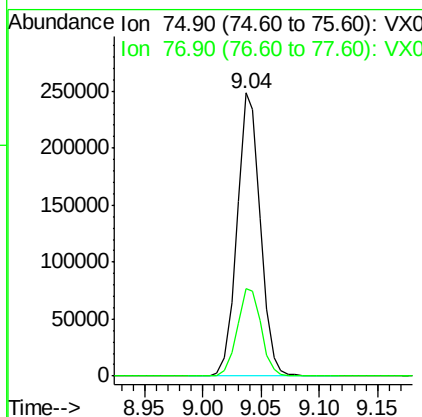
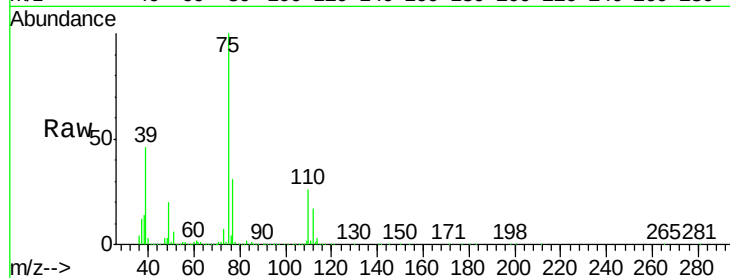
#53
t-1,3-Dichloropropene
Concen: 59.866 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 344804
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0

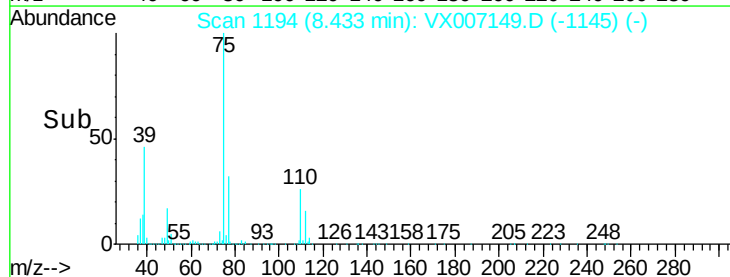
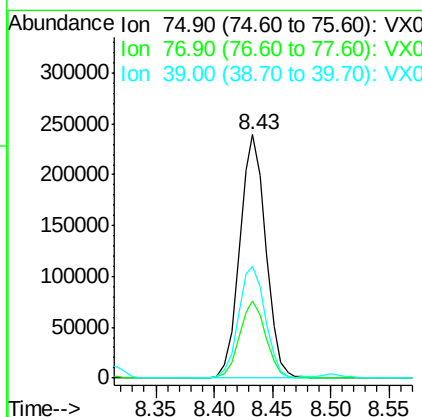
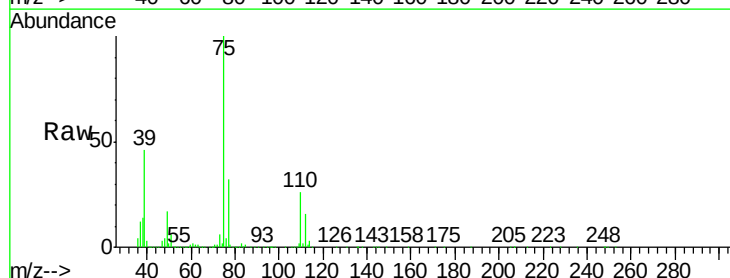
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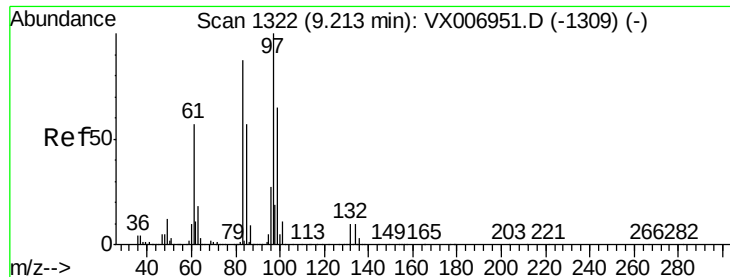
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 58.471 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 75 Resp: 371903
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
39 45.9 36.7 55.1





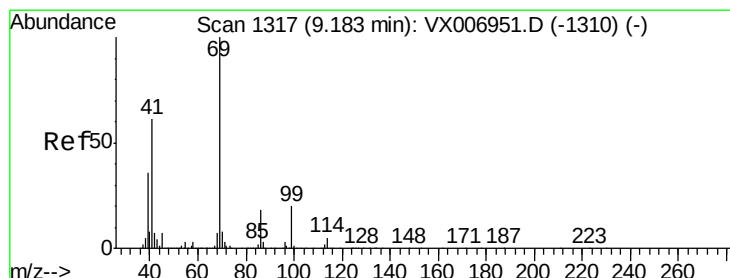
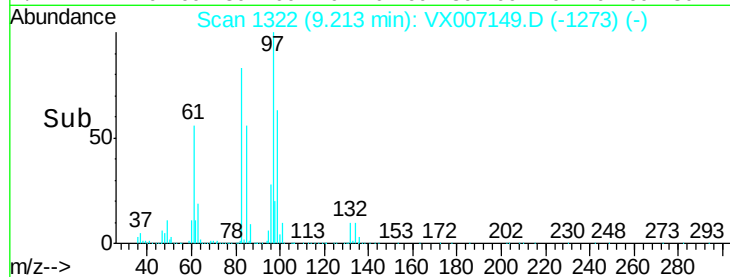
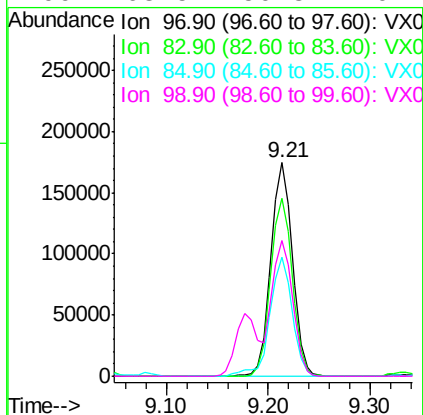
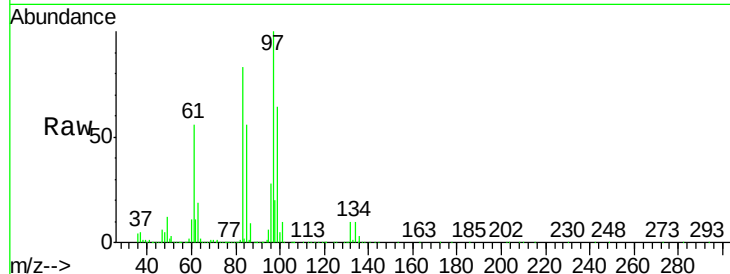
#55
 1,1,2-Trichloroethane
 Concen: 57.405 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		255057		
83	83.4	66.6	99.8		
85	55.6	42.7	64.1		
99	63.5	50.8	76.2		

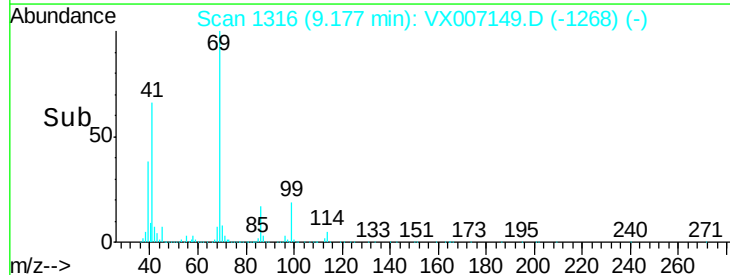
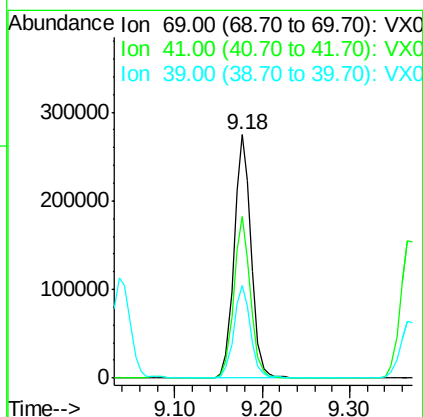
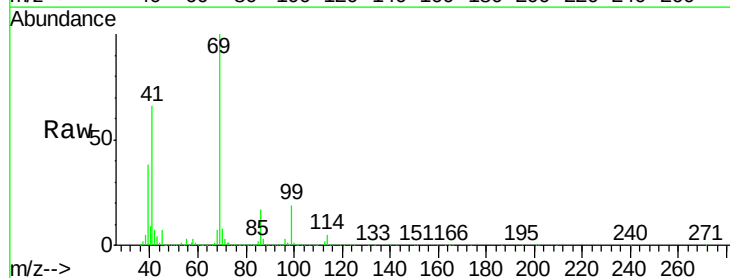
Manual Integrations
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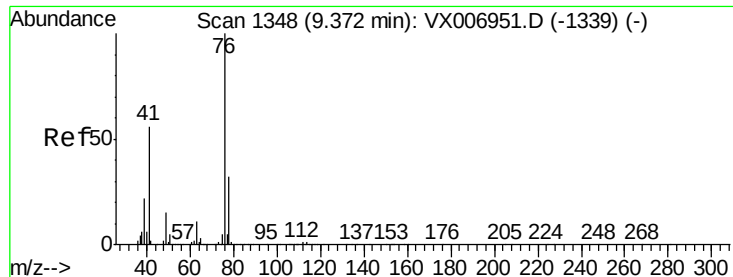
MMDadoda
 1/22/2019 10:55:59 AM



#56
 Ethyl methacrylate
 Concen: 57.851 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		375241		
41	64.5	48.7	73.1		
39	37.3	27.0	40.6		





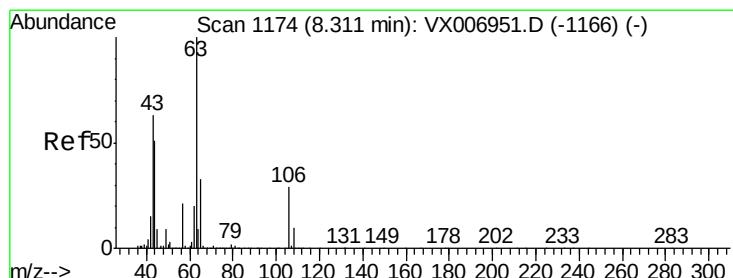
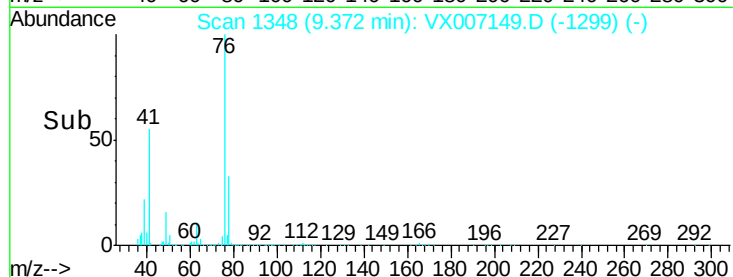
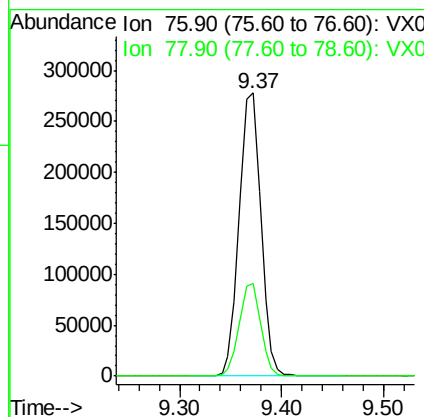
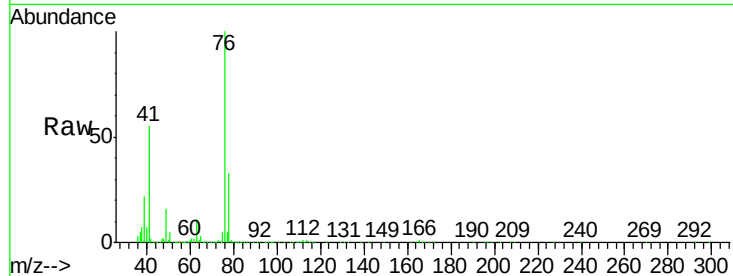
#57
 1,3-Dichloropropane
 Concen: 56.263 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 409535
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.0 39.0

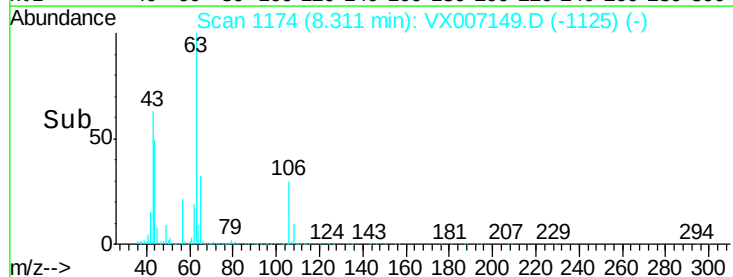
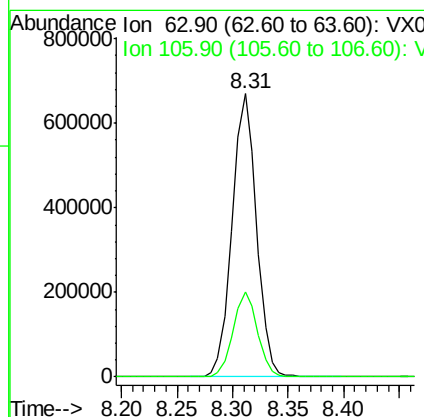
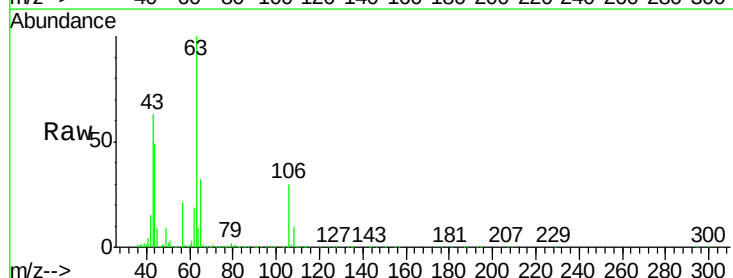
Manual Integrations
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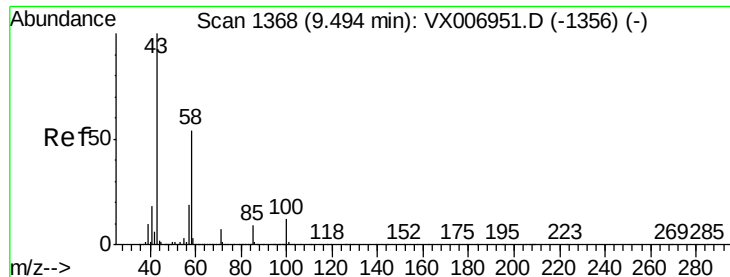
MMDadoda
 1/22/2019 10:55:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 304.007 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion: 63 Resp: 1013860
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.6 36.8





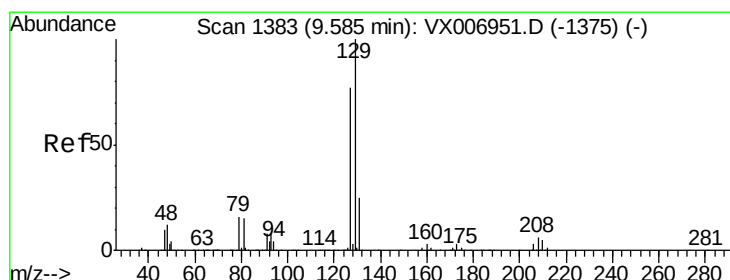
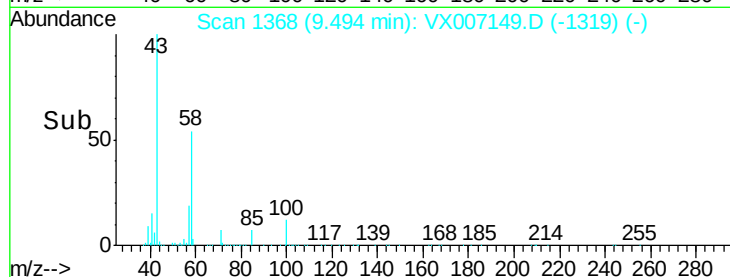
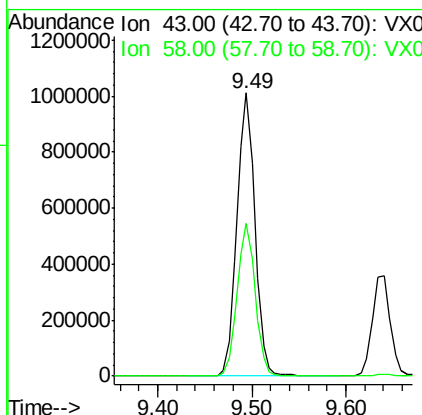
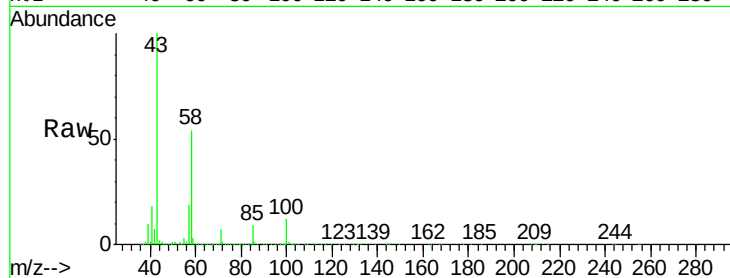
#59
2-Hexanone
Concen: 288.044 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1350249
Ion Ratio Lower Upper
43 100
58 53.8 27.7 83.1

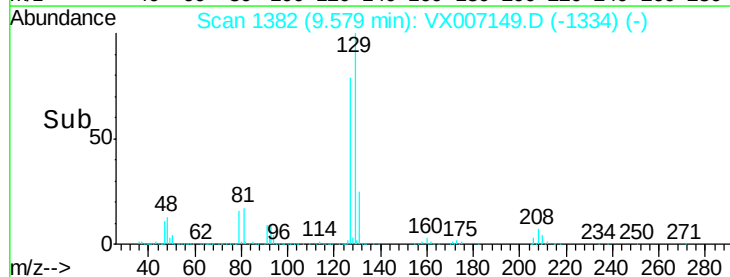
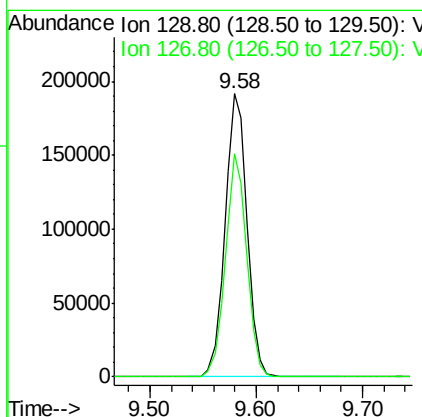
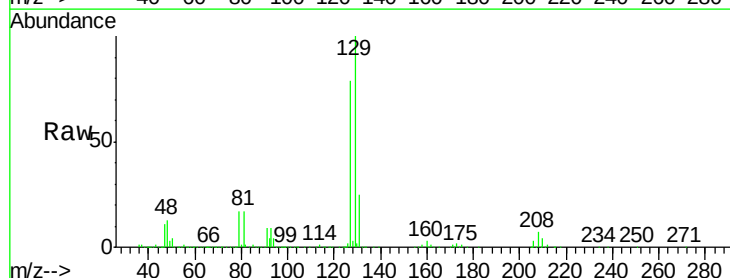
Manual Integrations
APPROVED

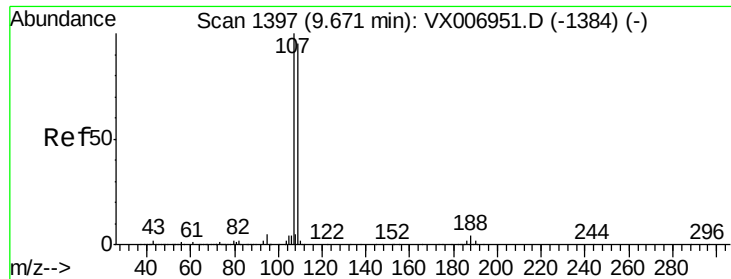
MMDadoda
1/22/2019 10:55:59 AM



#60
Dibromochloromethane
Concen: 63.983 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion: 129 Resp: 276044
Ion Ratio Lower Upper
129 100
127 76.6 39.3 117.8





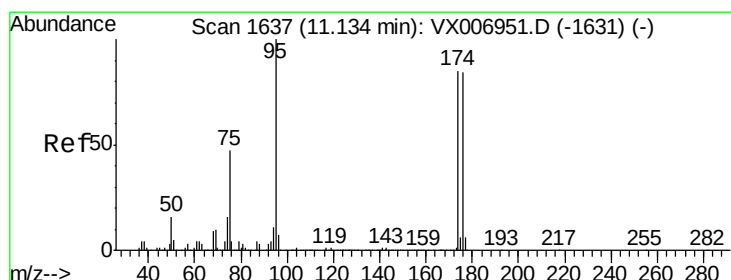
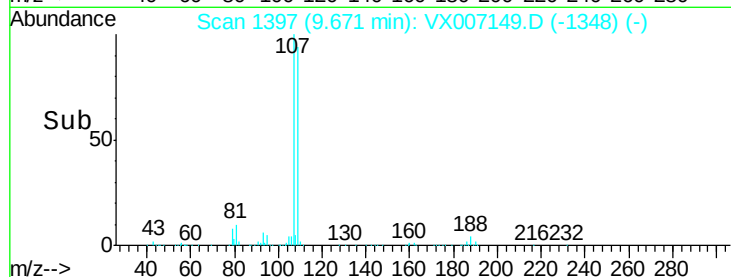
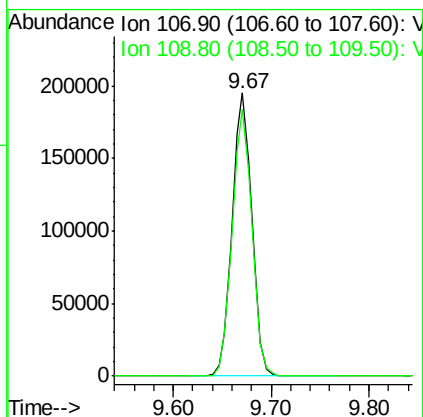
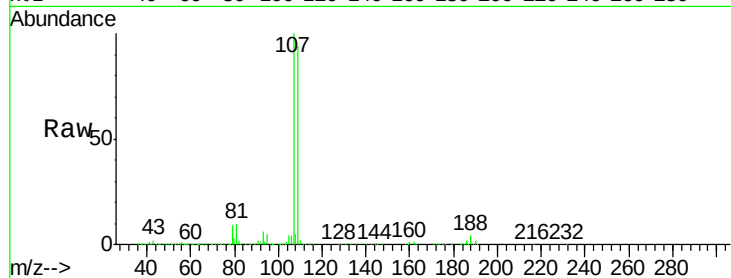
#61
 1,2-Dibromoethane
 Concen: 55.765 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.6

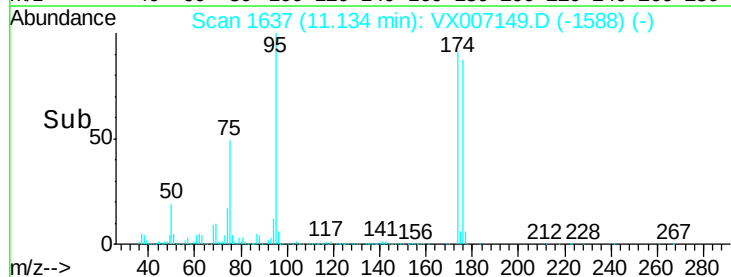
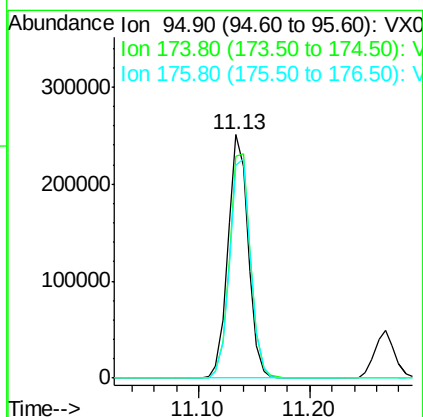
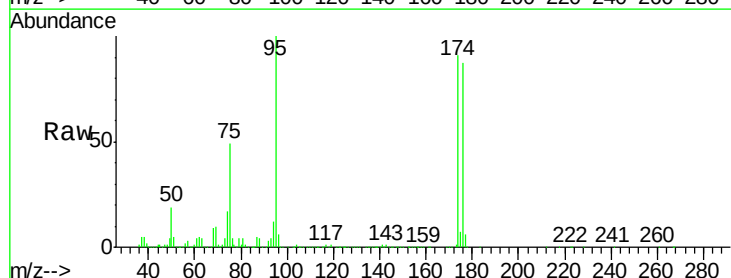
Manual Integrations
 APPROVED

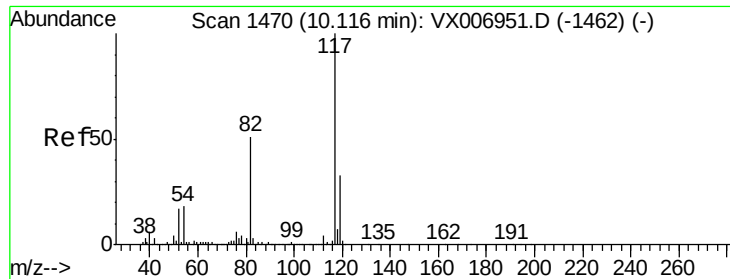
MMDadoda
 1/22/2019 10:55:59 AM



#62
 4-Bromofluorobenzene
 Concen: 59.118 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	182.2
176	93.0	0.0	178.8





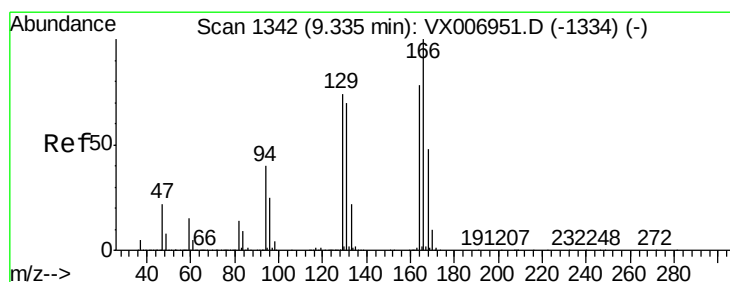
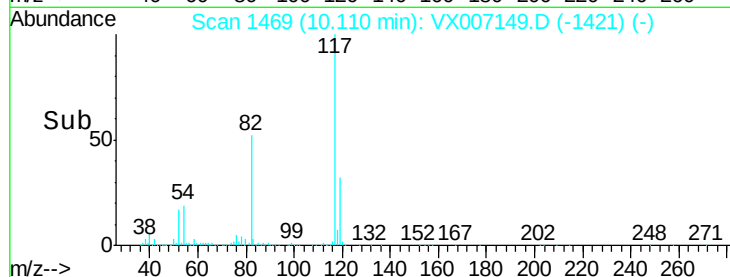
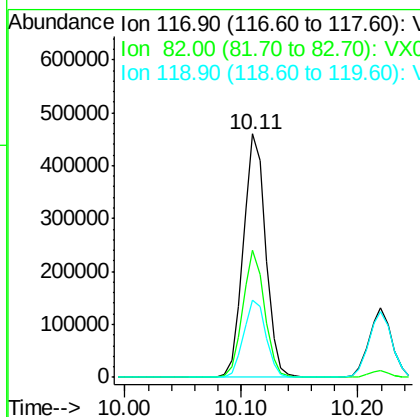
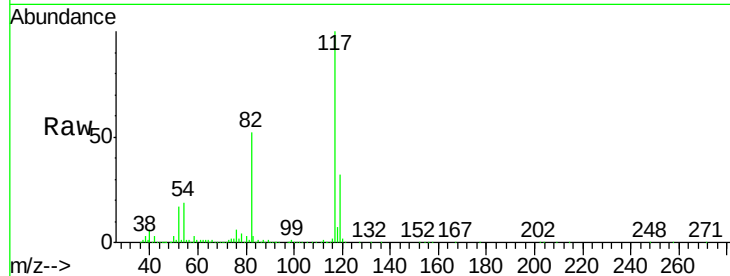
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.0	61.6
119	31.9	25.4	38.0

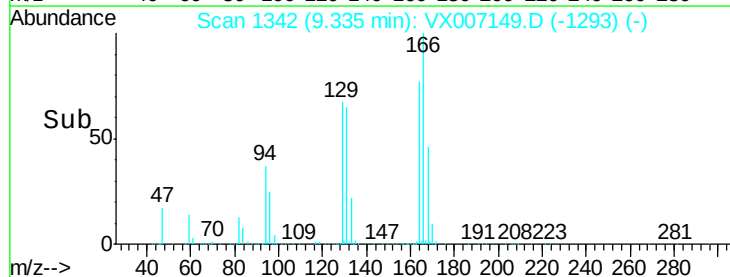
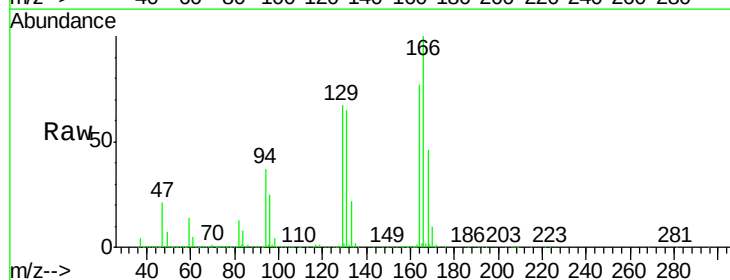
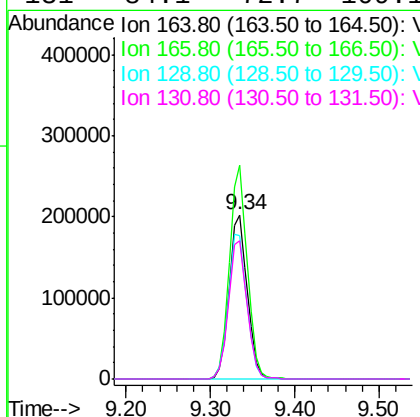
Manual Integrations
APPROVED

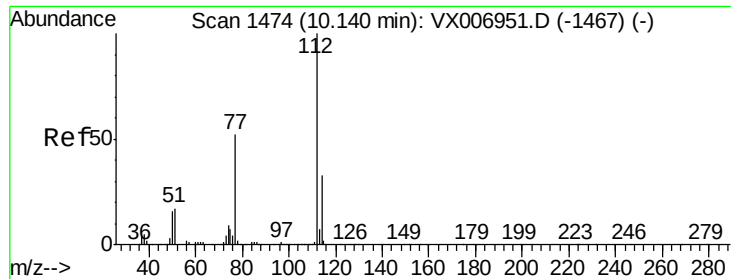
MMDadoda
1/22/2019 10:55:59 AM



#64
Tetrachloroethene
Concen: 55.065 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	102.5	153.7
129	87.8	75.1	112.7
131	84.1	72.7	109.1





#65

Chlorobenzene

Concen: 54.090 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 728537

Ion Ratio Lower Upper

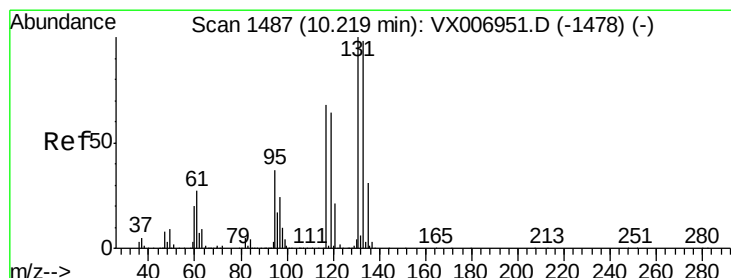
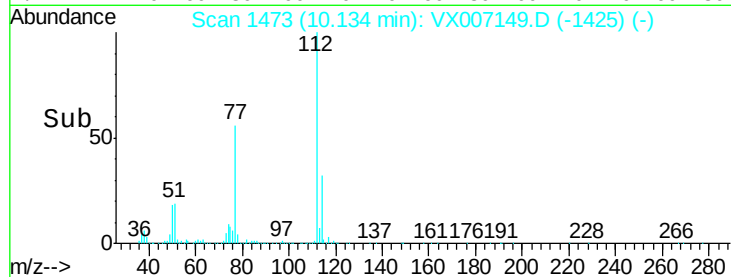
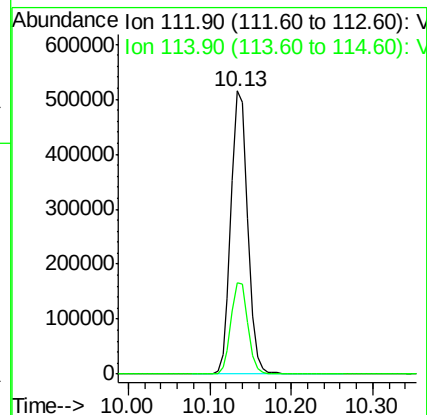
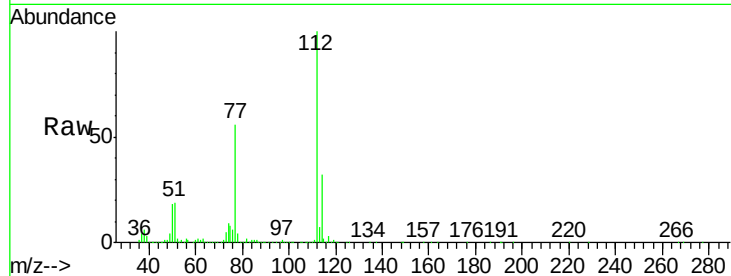
112 100

114 32.1 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 58.460 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

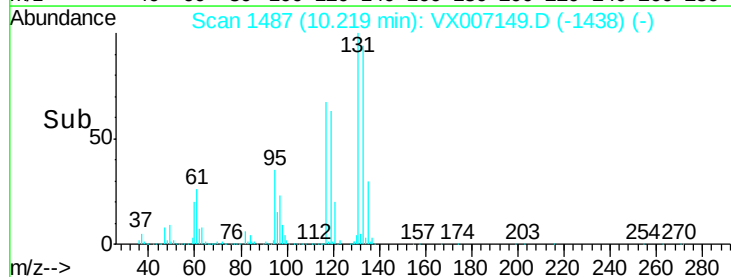
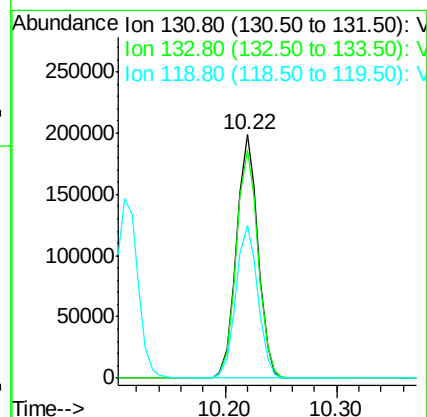
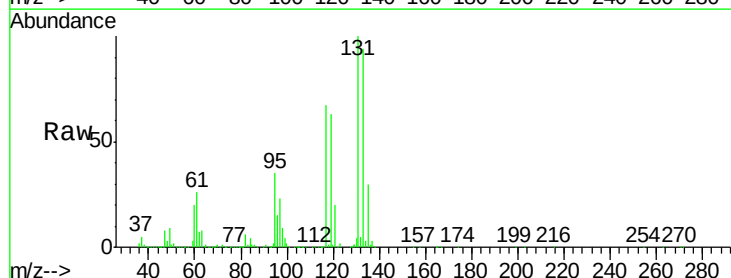
Tgt Ion:131 Resp: 264882

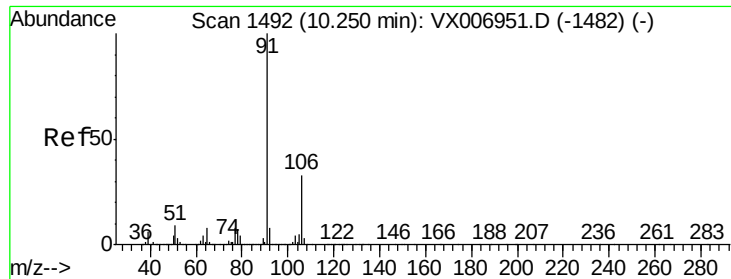
Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

119 64.1 32.6 97.8





#67

Ethyl Benzene

Concen: 54.637 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1214891

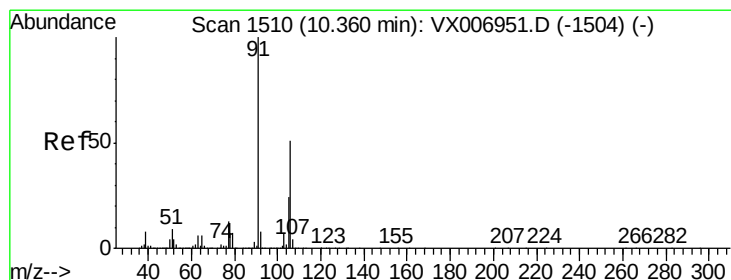
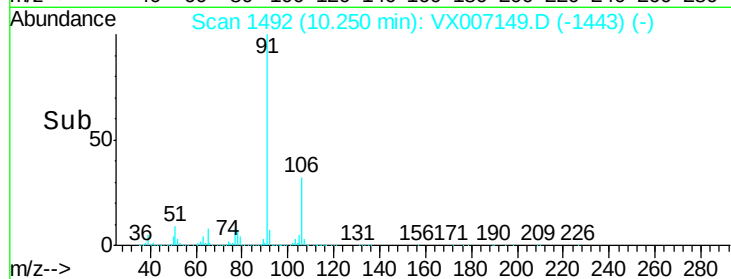
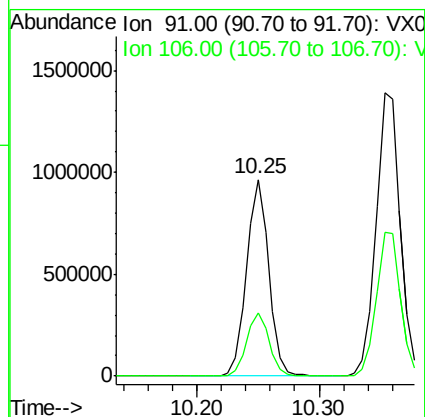
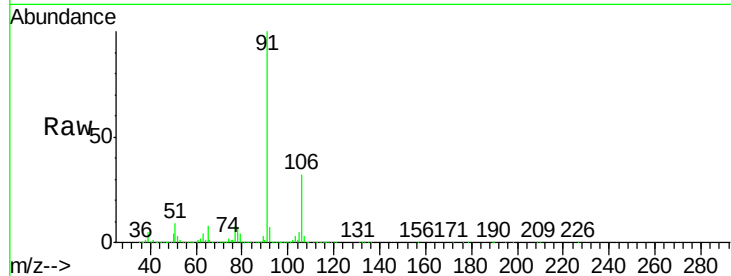
Ion Ratio Lower Upper

91 100

106 32.3 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 111.935 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007149.D

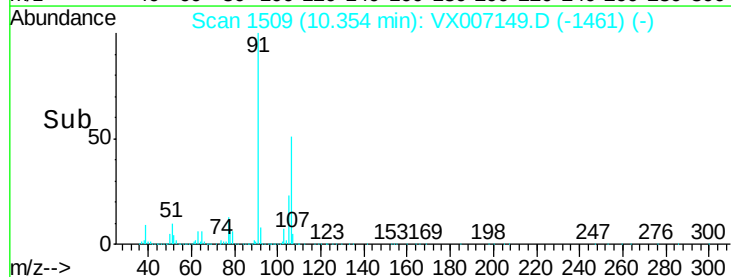
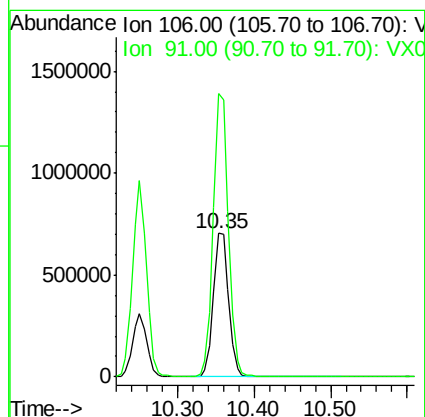
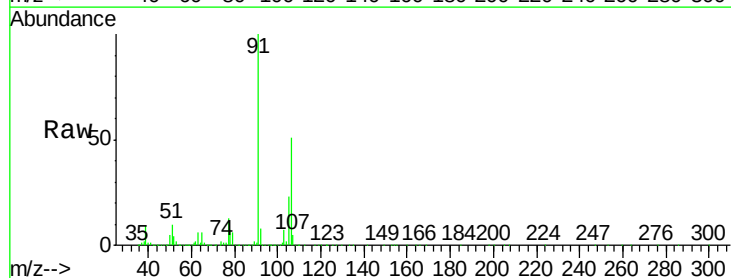
Acq: 21 Jan 2019 10:34

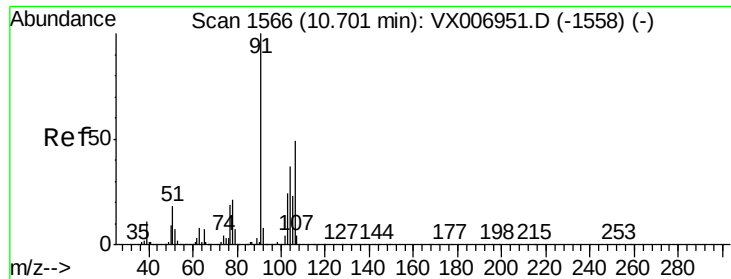
Tgt Ion: 106 Resp: 980617

Ion Ratio Lower Upper

106 100

91 195.4 155.8 233.6





#69

o-Xylene

Concen: 56.013 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 478564

Ion Ratio Lower Upper

106 100

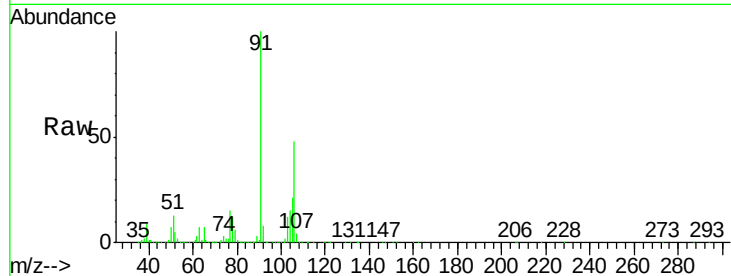
91 206.5 101.3 303.7

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

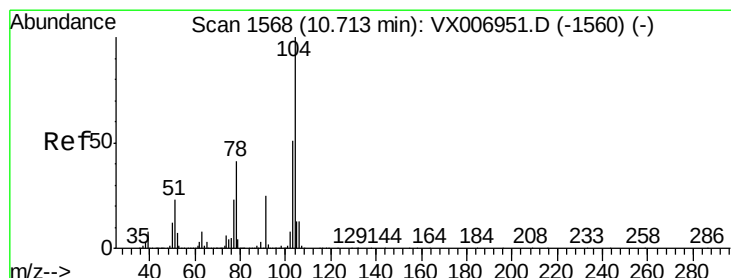
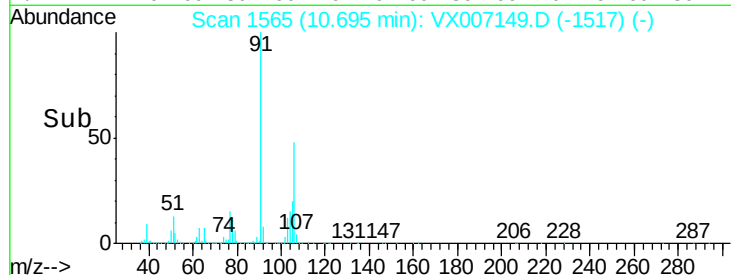
400000

200000

0

10.60 10.70 10.80

Time-->



#70

Styrene

Concen: 58.336 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

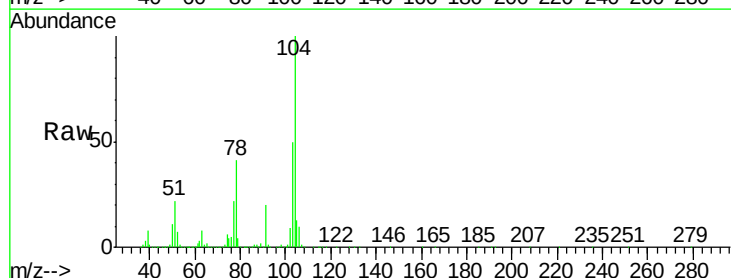
Tgt Ion:104 Resp: 789375

Ion Ratio Lower Upper

104 100

78 47.2 37.7 56.5

103 55.4 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V

800000

600000

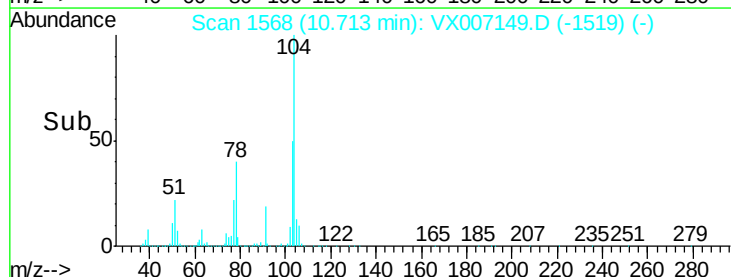
400000

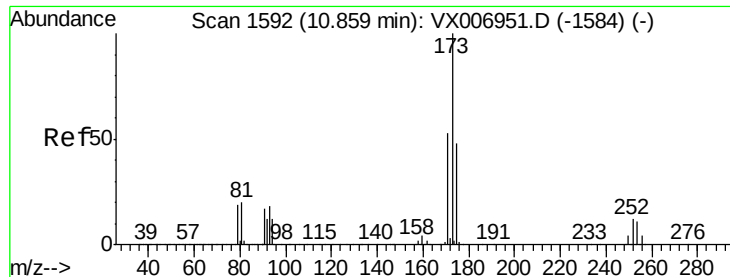
200000

0

10.60 10.70 10.80 10.90

Time-->





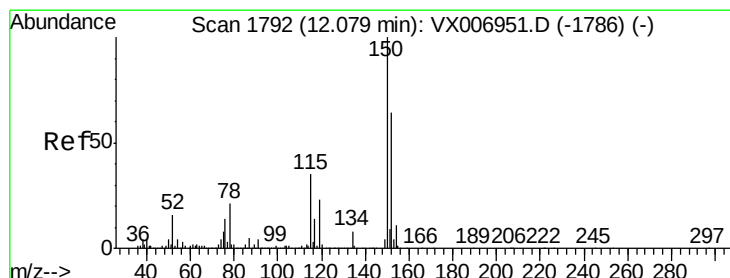
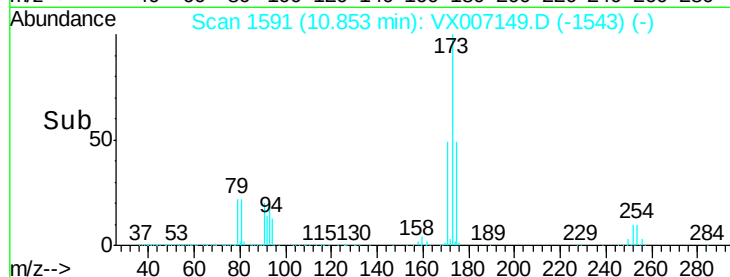
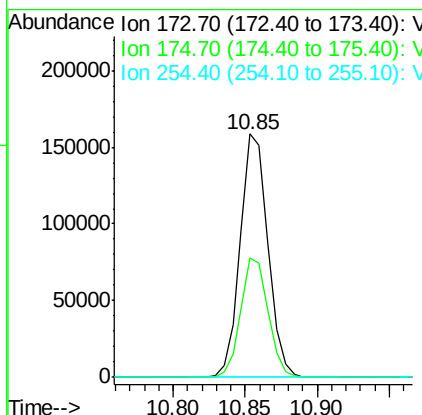
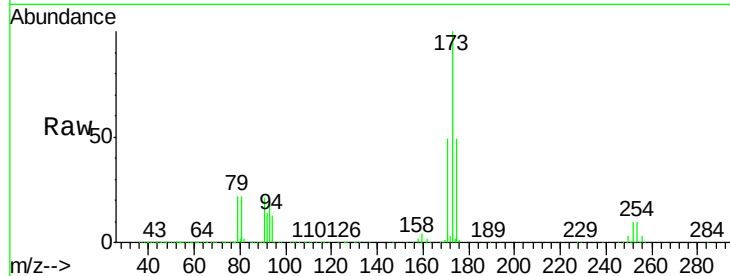
#71
Bromoform
Concen: 52.048 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.2	0.2	0.2

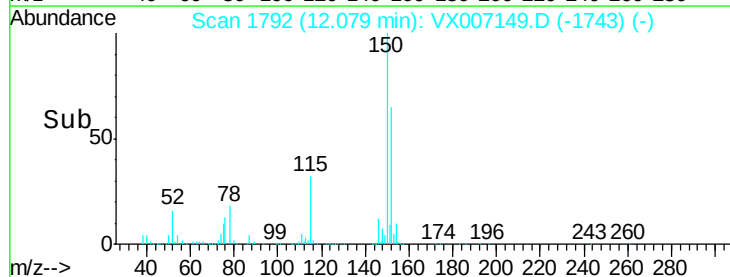
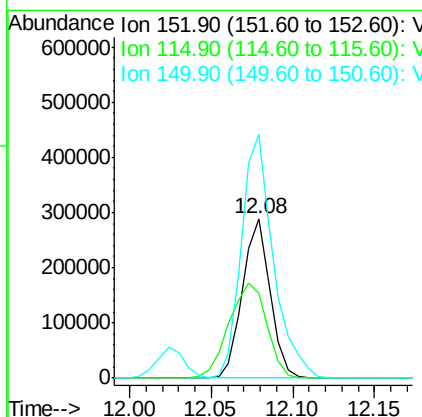
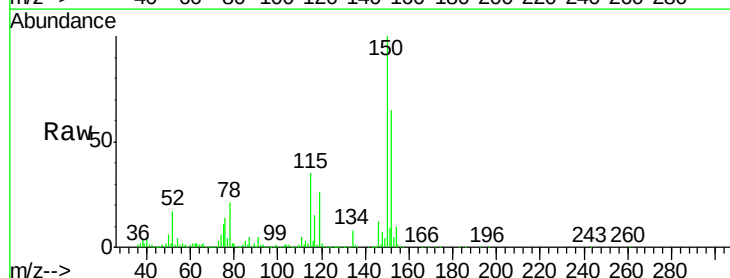
Manual Integrations
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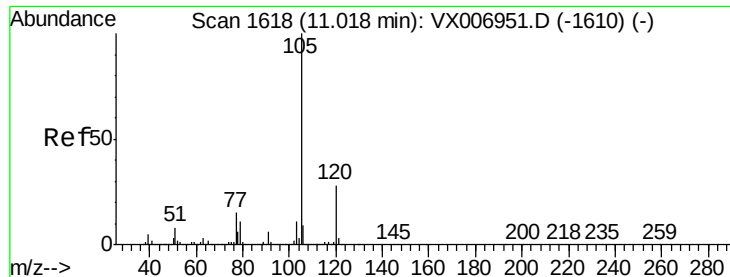
MMDadoda
1/22/2019 10:55:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.4	39.1	117.2
150	176.3	0.0	344.8





#73

Isopropylbenzene

Concen: 53.071 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1279964

Ion Ratio Lower Upper

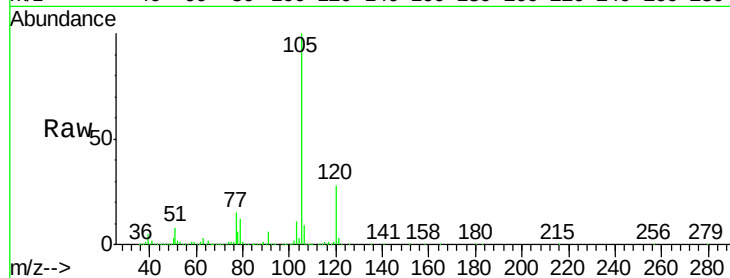
105 100

120 27.9 14.1 42.4

Manual Integrations
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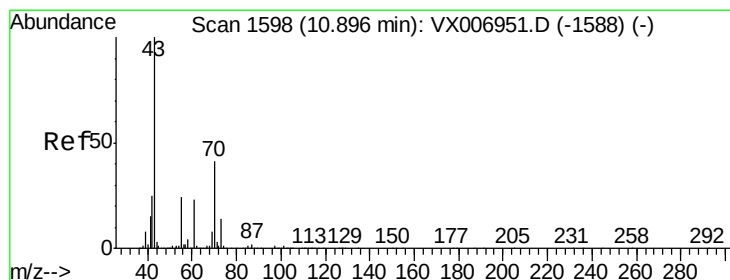
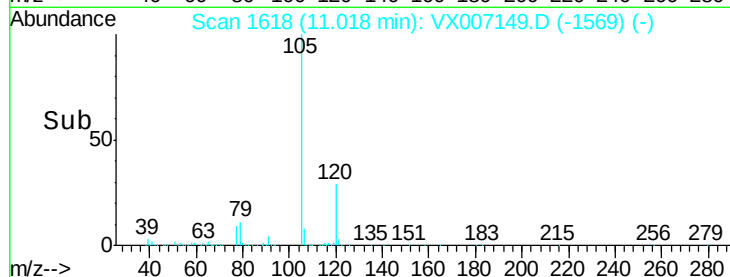
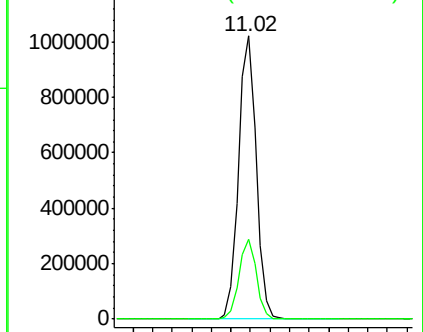
MMDadoda

1/22/2019 10:55:59 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.109 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion: 43 Resp: 486580

Ion Ratio Lower Upper

43 100

70 42.9 35.8 53.8

55 24.3 19.4 29.0

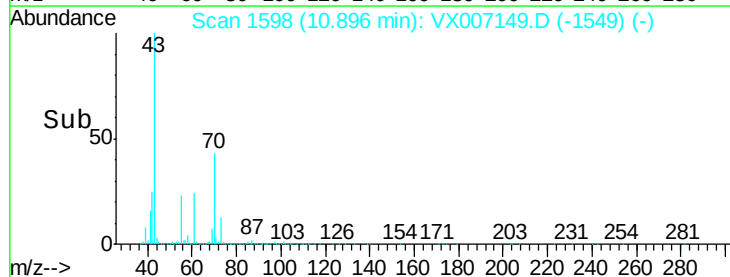
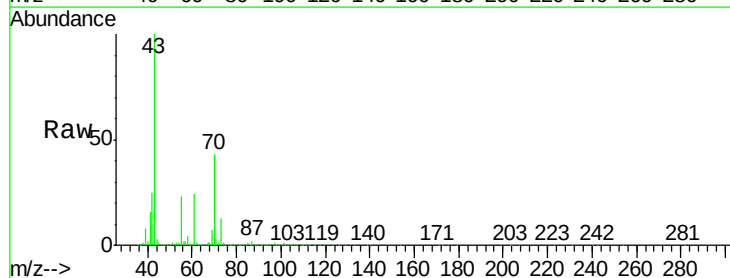
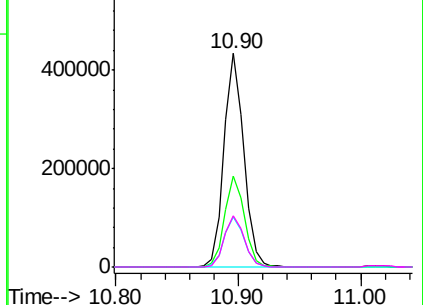
61 24.4 20.1 30.1

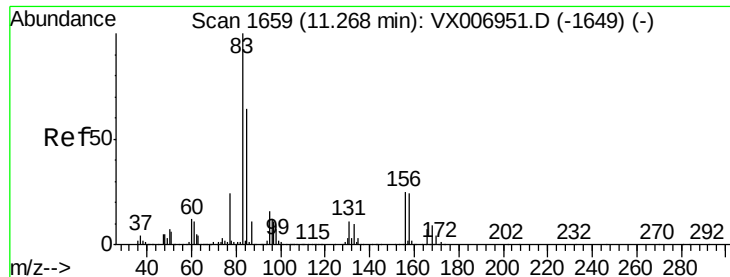
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.845 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 381647

Ion Ratio Lower Upper

83 100

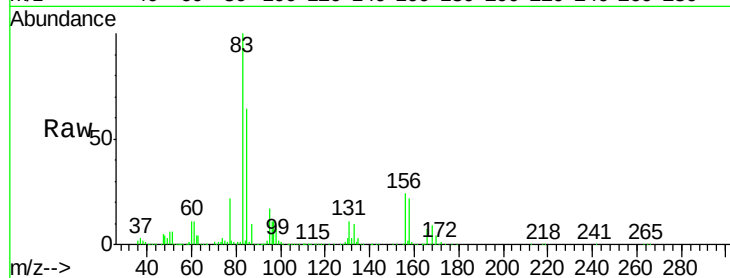
131 11.1 5.7 17.1

85 63.5 32.2 96.6

Manual Integrations
APPROVED

MMDadoda

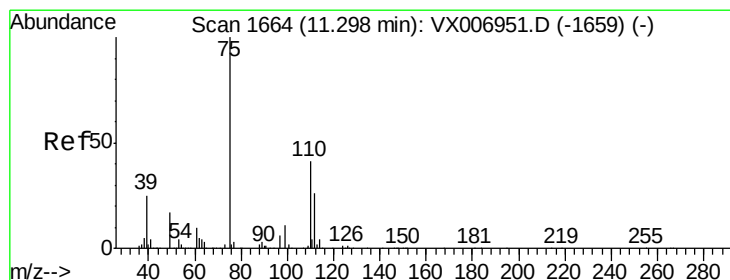
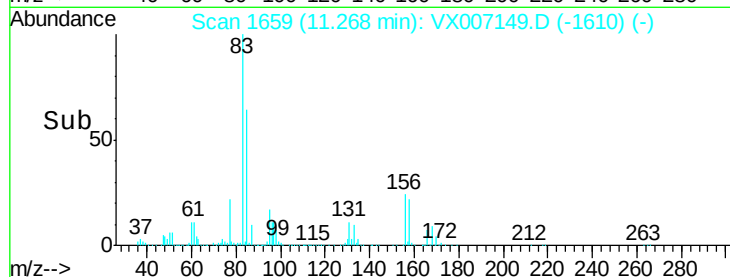
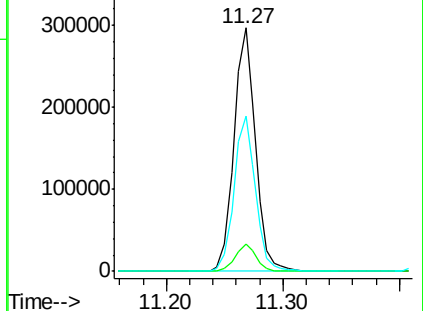
1/22/2019 10:55:59 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.547 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007149.D

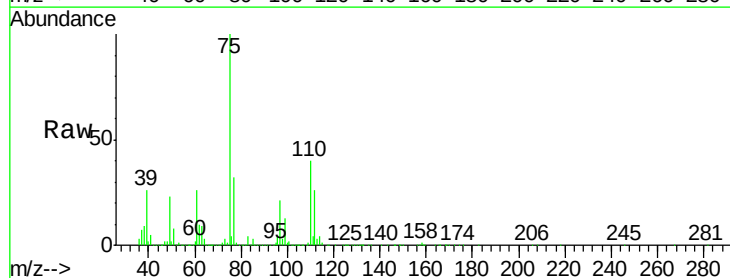
Acq: 21 Jan 2019 10:34

Tgt Ion: 75 Resp: 364210

Ion Ratio Lower Upper

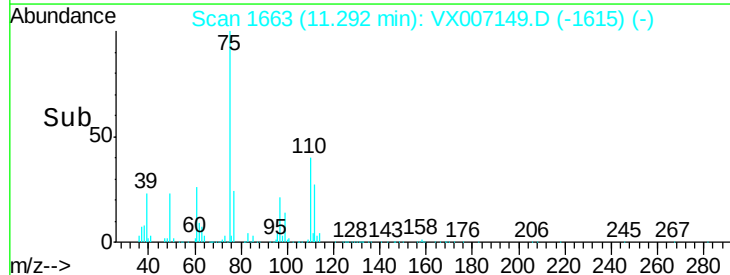
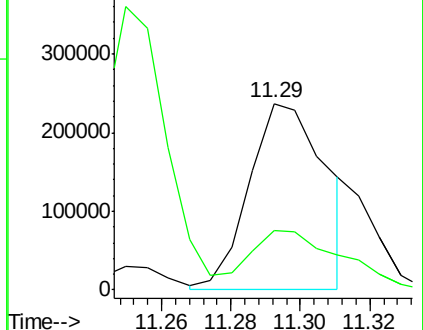
75 100

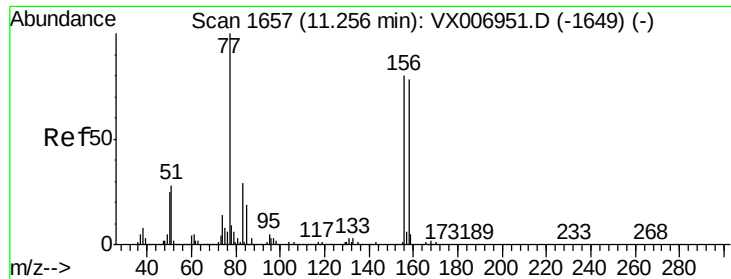
77 38.3 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.598 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

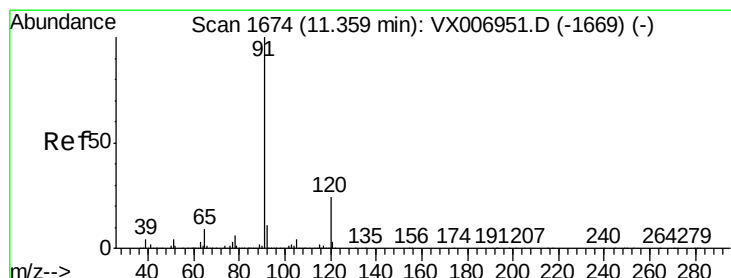
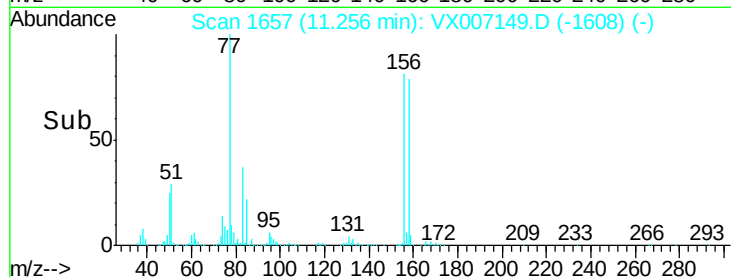
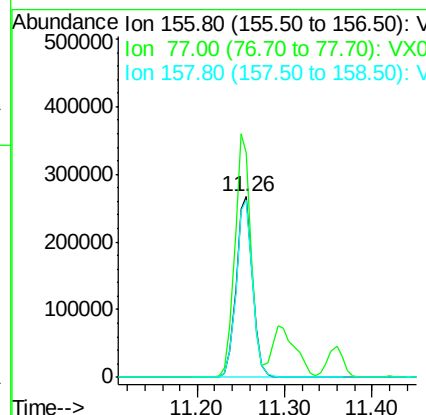
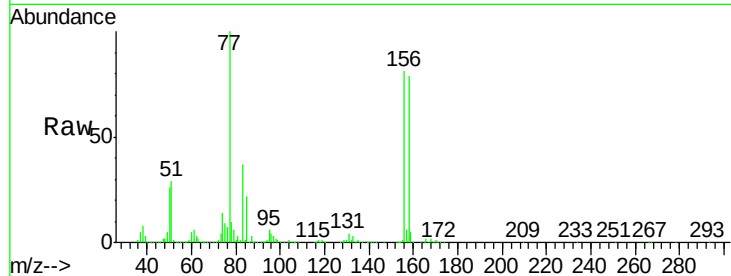
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	349537
Ion Ratio	Lower	Upper	
156	100		
77	132.0	68.0	204.0
158	98.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 55.879 ug/l

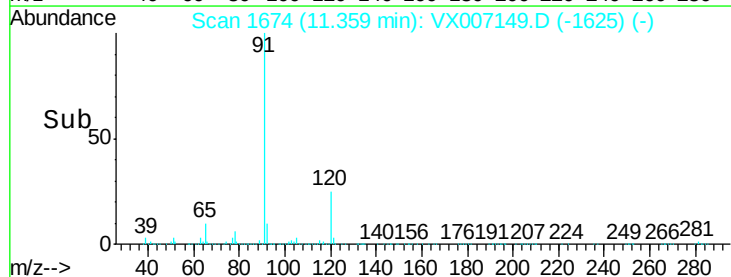
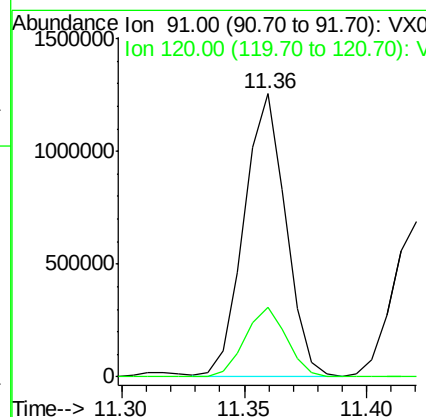
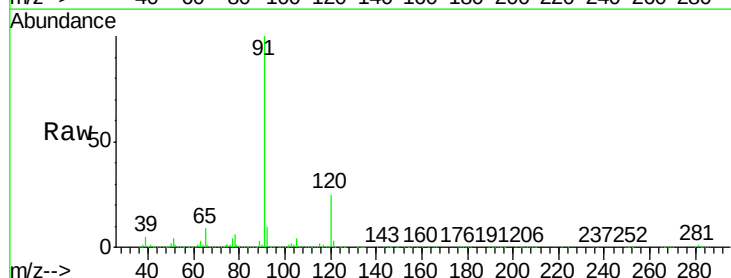
RT: 11.36 min Scan# 1674

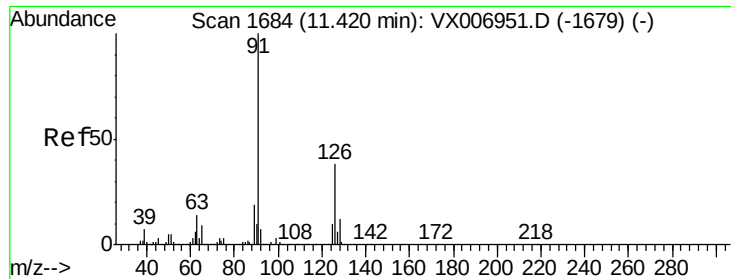
Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	91	Resp:	1479494
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.7	38.0





#79

2-Chlorotoluene

Concen: 53.039 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 845324

Ion Ratio Lower Upper

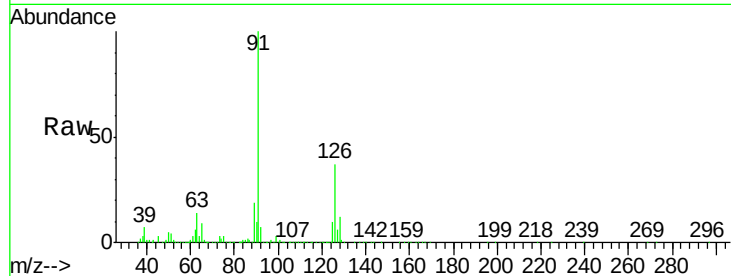
91 100

126 37.0 18.6 56.0

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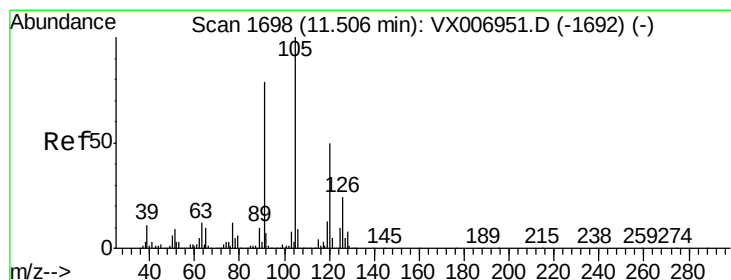
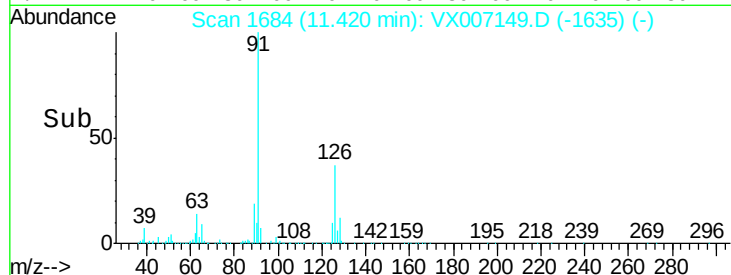


Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.771 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007149.D

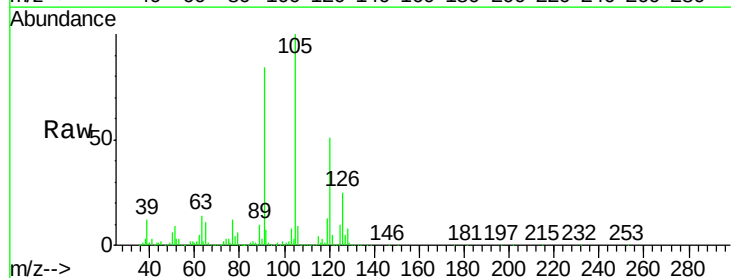
Acq: 21 Jan 2019 10:34

Tgt Ion: 105 Resp: 1083622

Ion Ratio Lower Upper

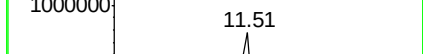
105 100

120 50.3 25.1 75.3

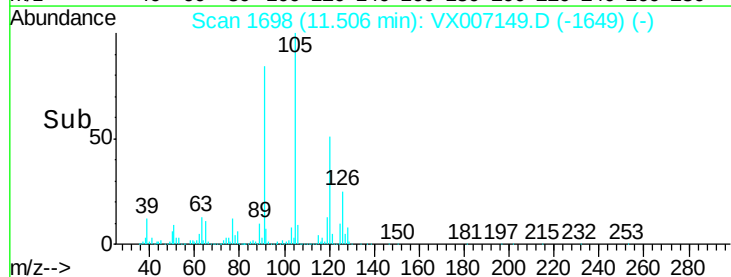


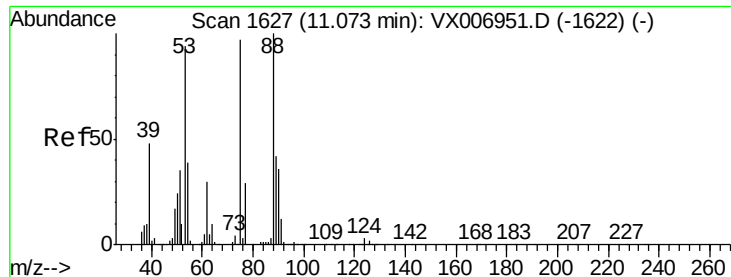
Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.009 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

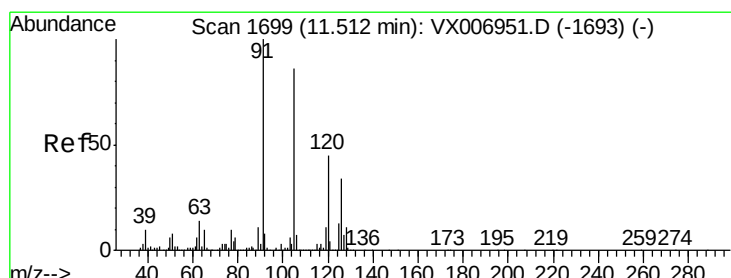
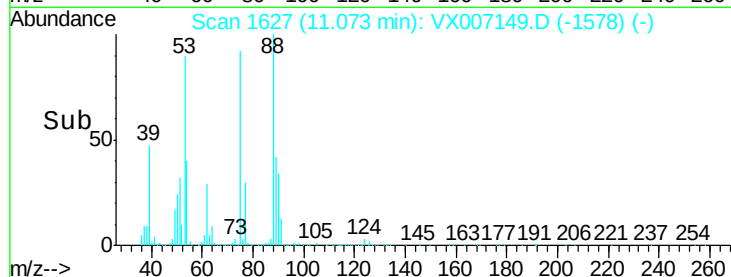
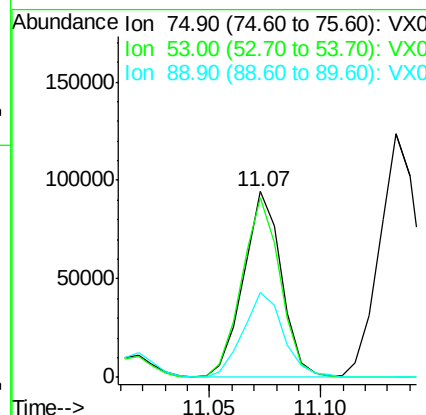
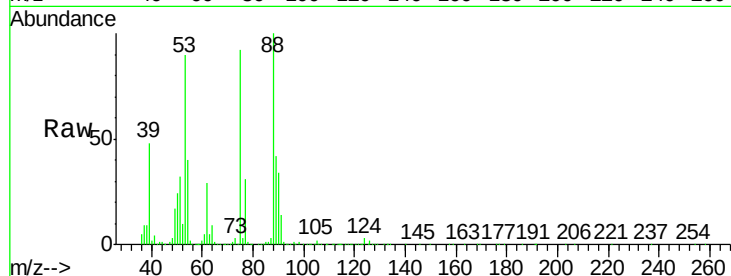
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	112374
Ion	Ratio	Lower	Upper
75	100		
53	97.7	79.7	119.5
89	48.3	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.727 ug/l

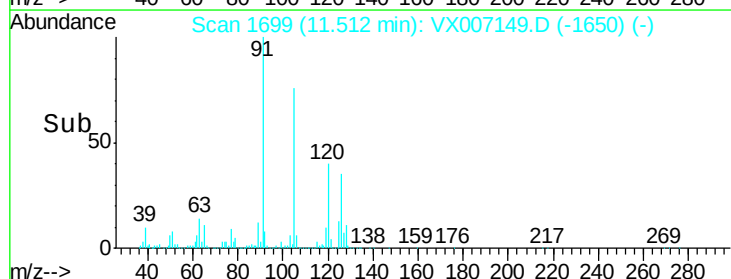
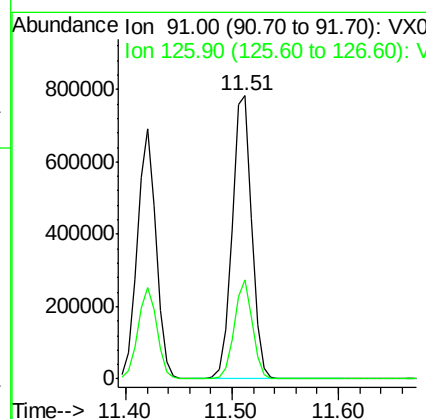
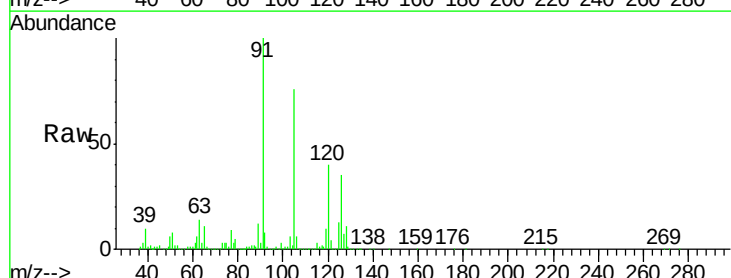
RT: 11.51 min Scan# 1699

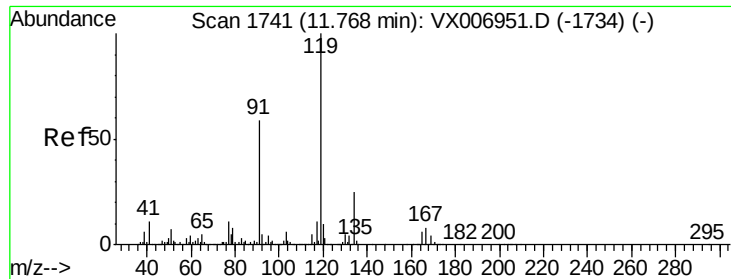
Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	91	Resp:	1009899
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.9





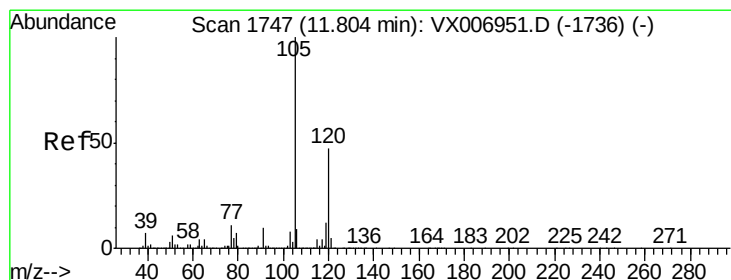
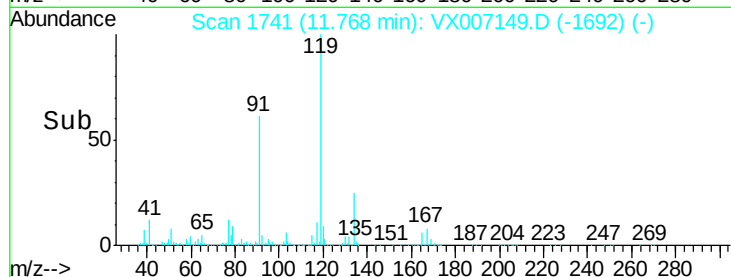
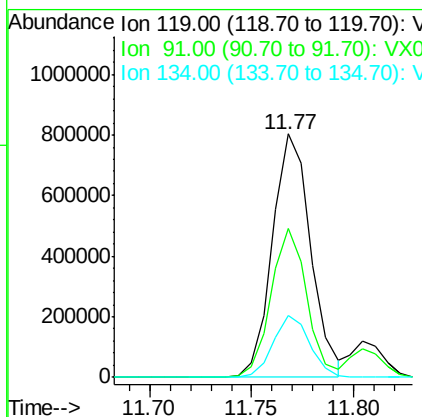
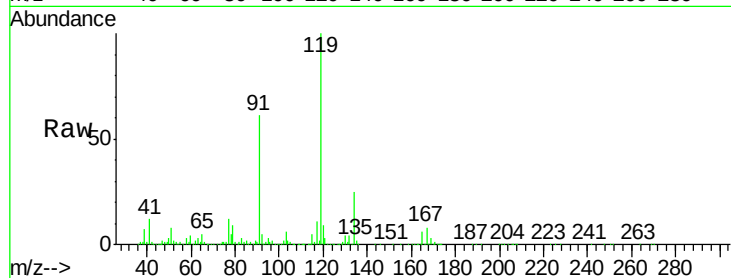
#83
 tert-Butylbenzene
 Concen: 52.550 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1056607
 Ion Ratio Lower Upper
 119 100
 91 57.1 27.7 83.1
 134 24.3 11.9 35.5

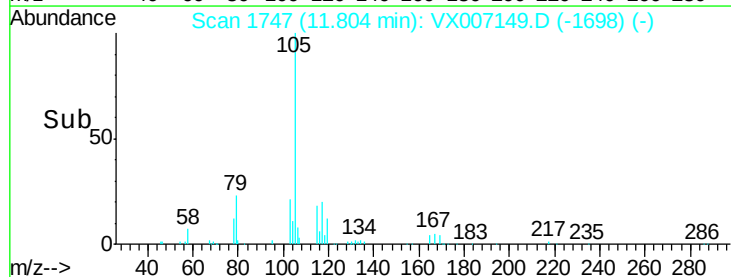
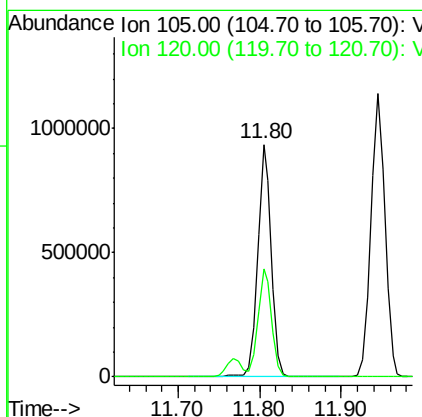
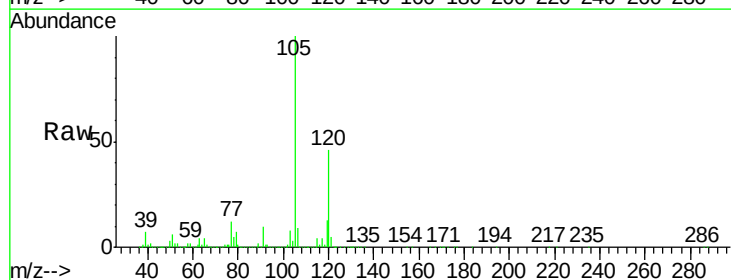
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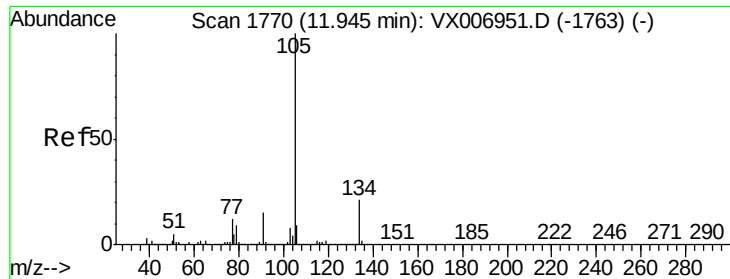
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.512 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion:105 Resp: 1104690
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 55.552 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1333959

Ion Ratio Lower Upper

105 100

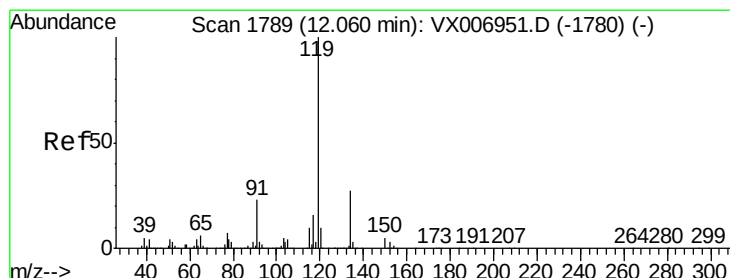
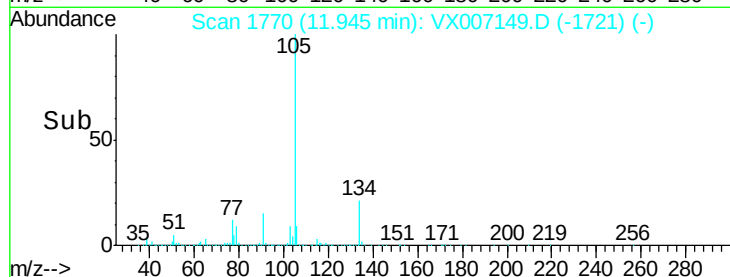
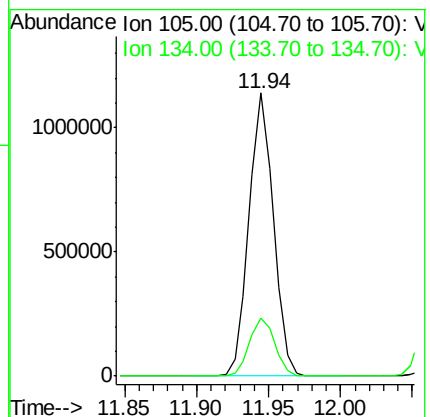
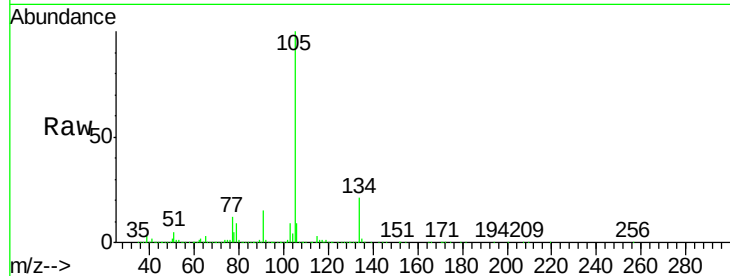
134 21.3 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.018 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

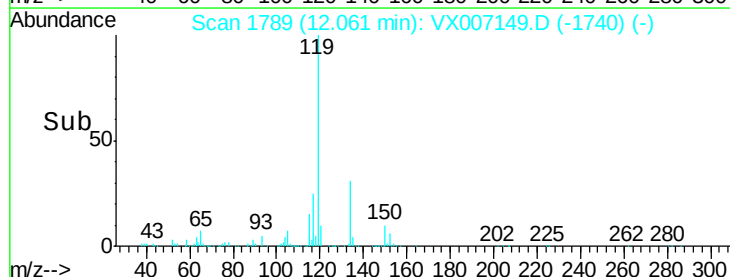
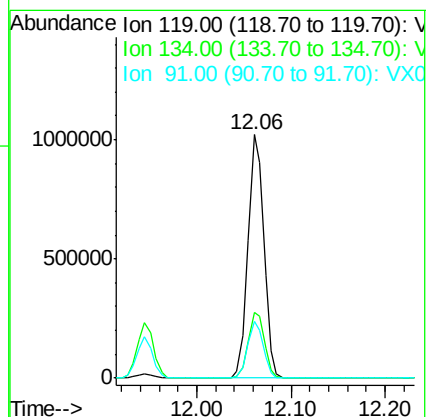
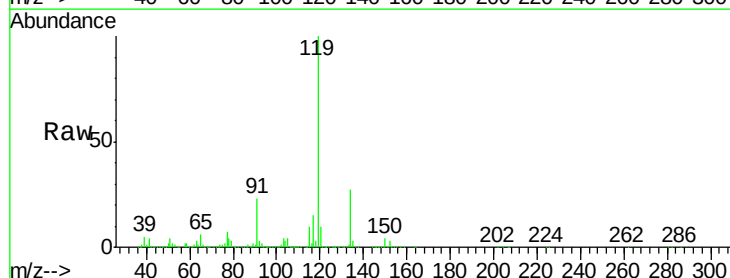
Tgt Ion:119 Resp: 1203206

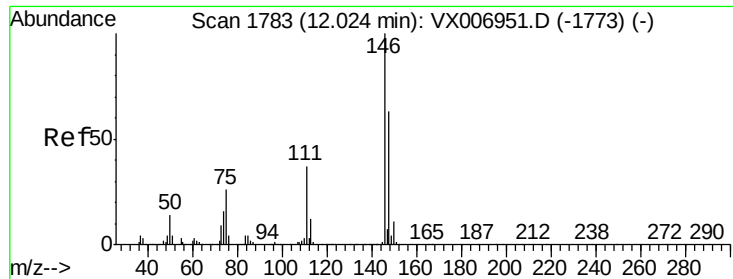
Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

91 22.8 11.3 33.9





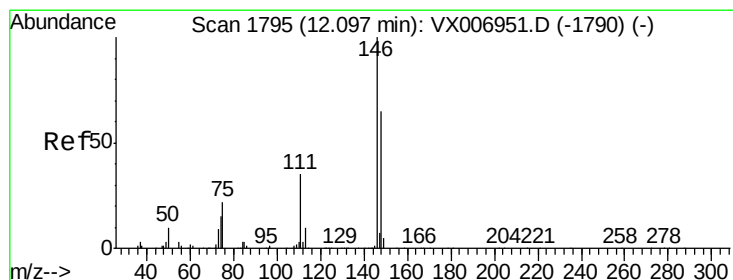
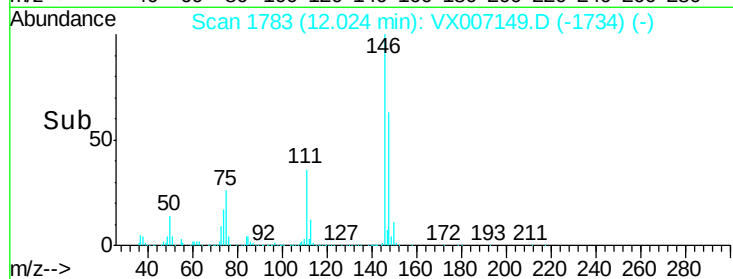
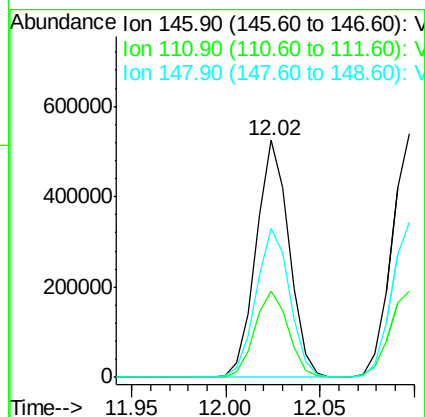
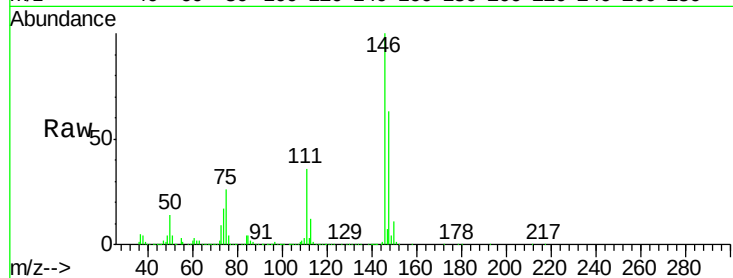
#87
 1,3-Dichlorobenzene
 Concen: 53.049 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	64.3	31.8	95.3

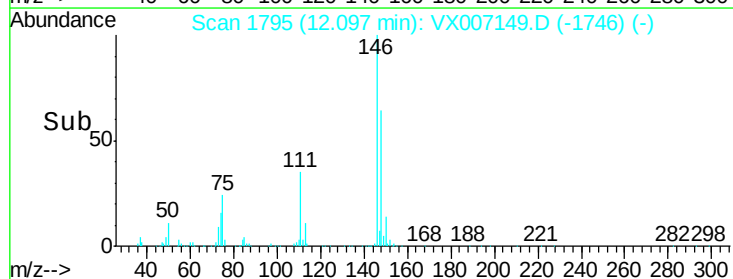
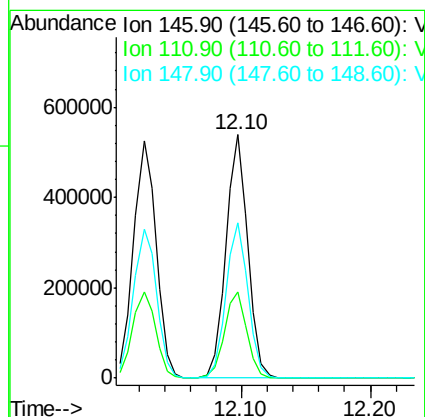
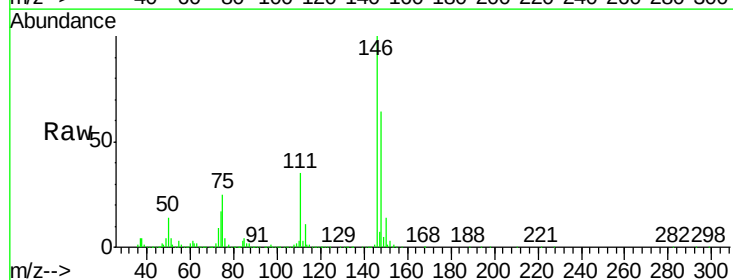
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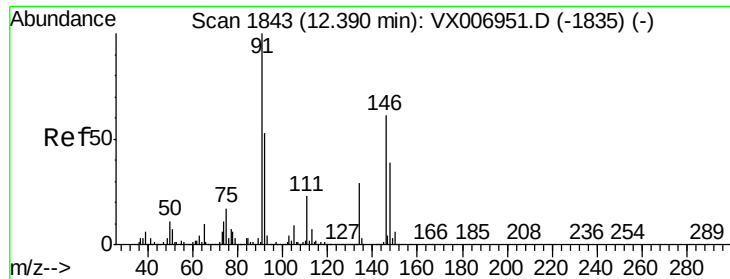
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#88
 1,4-Dichlorobenzene
 Concen: 56.565 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.8	31.9	95.9





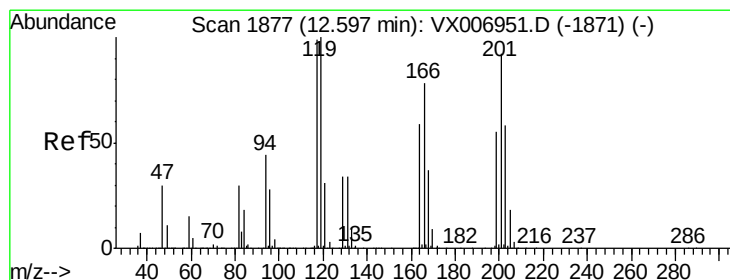
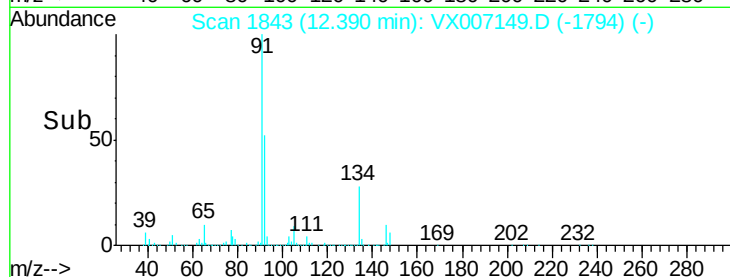
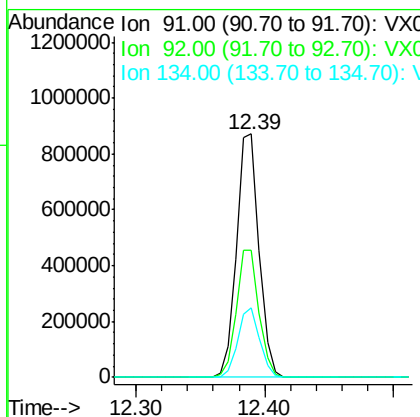
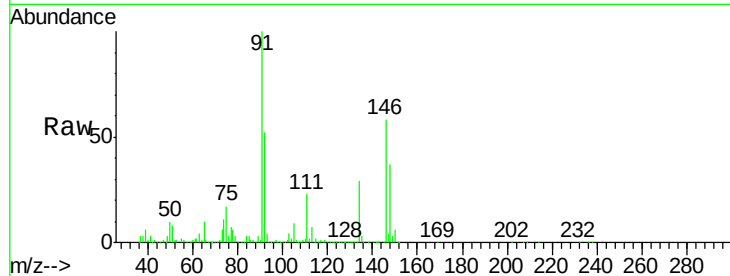
#89
n-Butylbenzene
Concen: 57.679 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	27.9	14.4	43.2

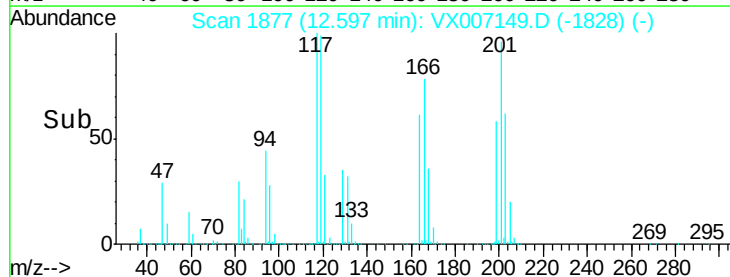
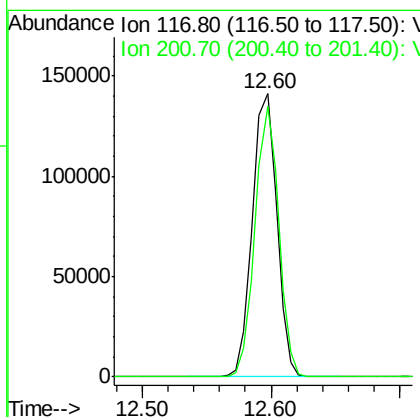
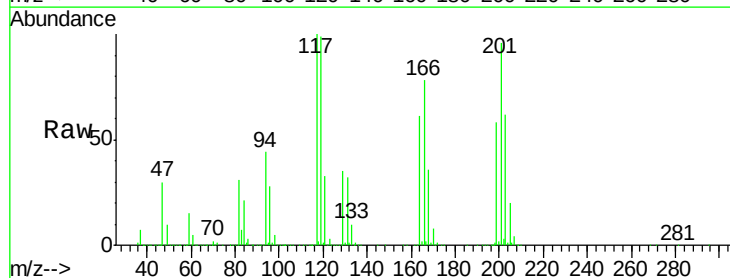
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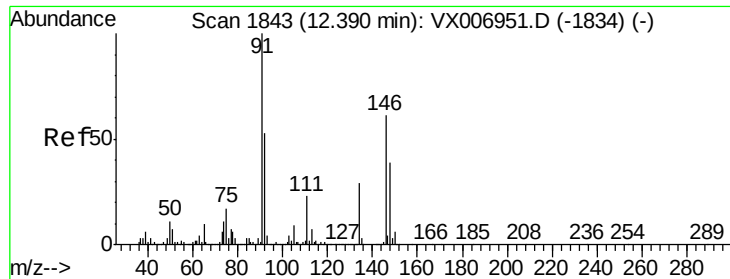
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#90
Hexachloroethane
Concen: 53.650 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	42.9	128.7





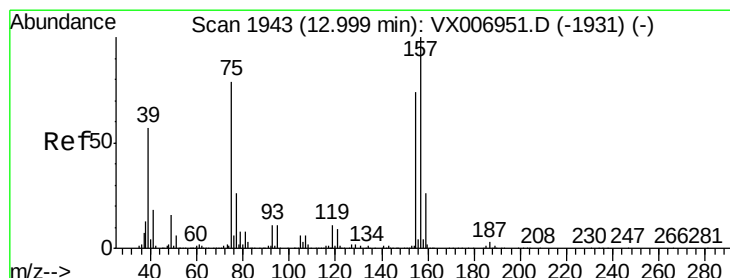
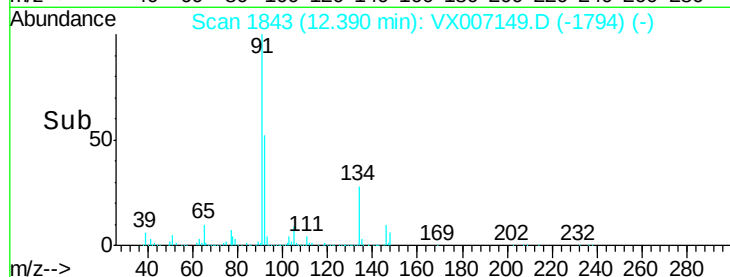
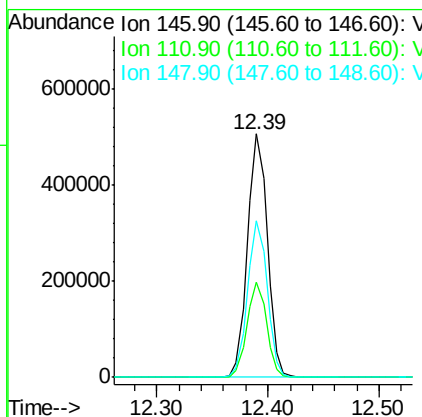
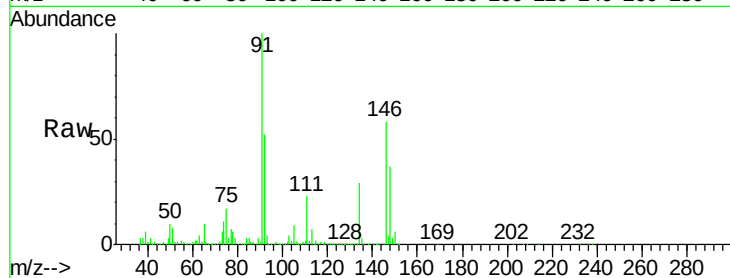
#91
 1,2-Dichlorobenzene
 Concen: 53.177 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	63.5	32.3	96.9

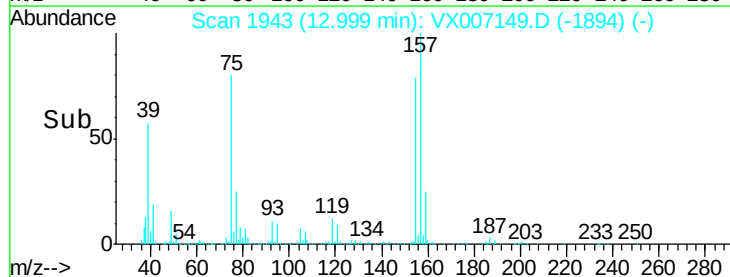
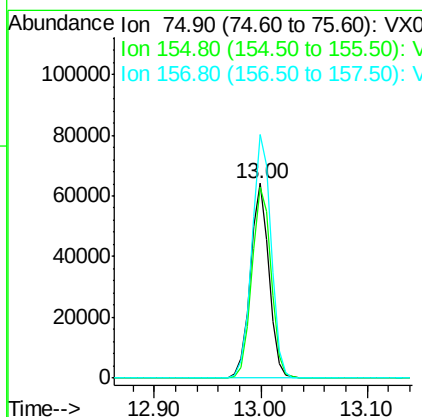
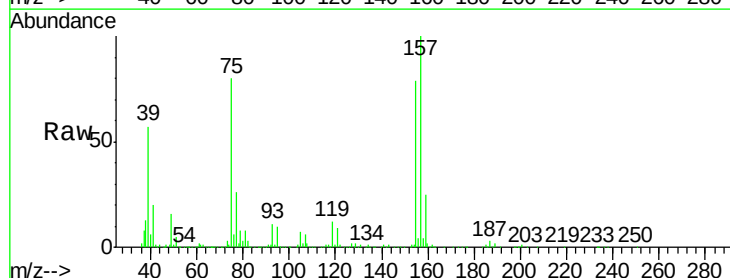
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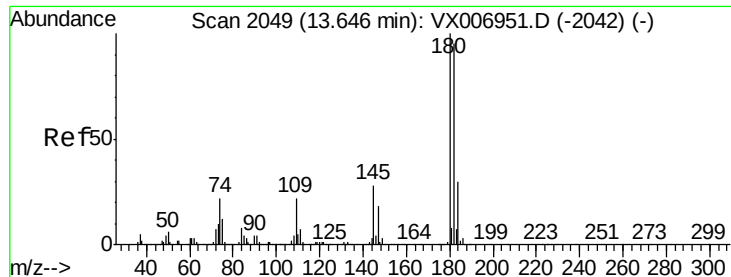
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.941 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007149.D
 Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	50.6	151.8
157	128.9	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 56.113 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Instrument :

MSVOA_X

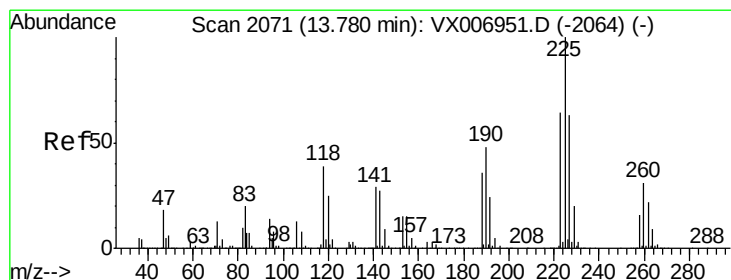
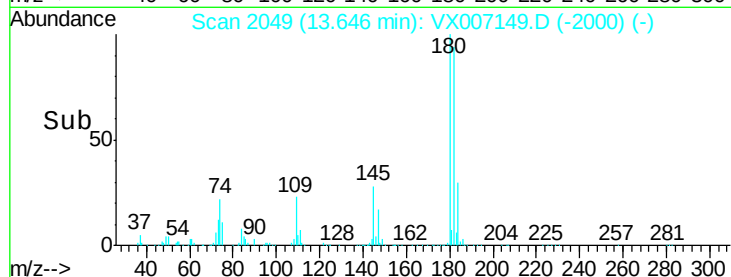
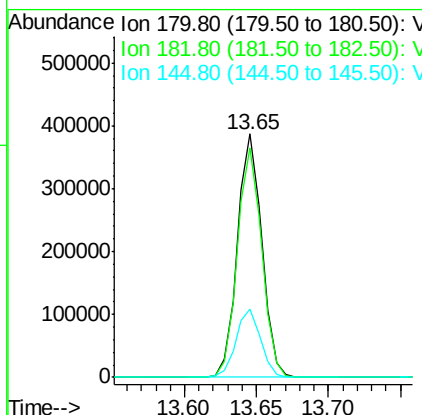
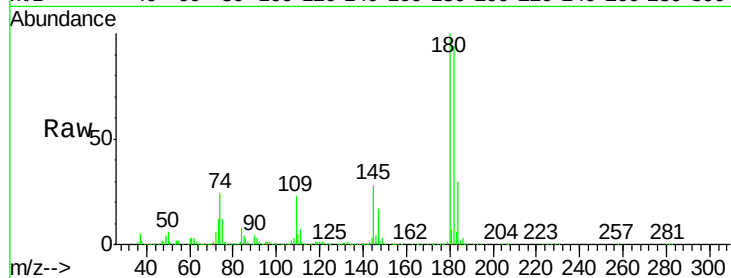
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	456337
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.3	142.0
145	28.6	14.8	44.3

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 58.824 ug/l

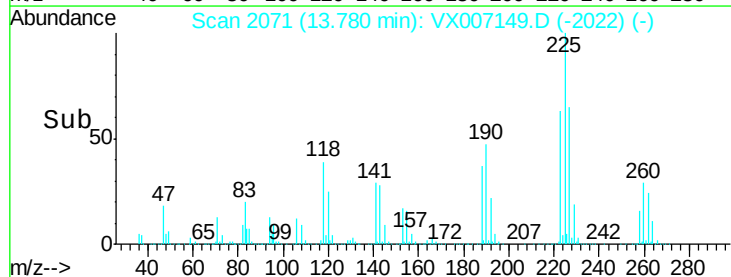
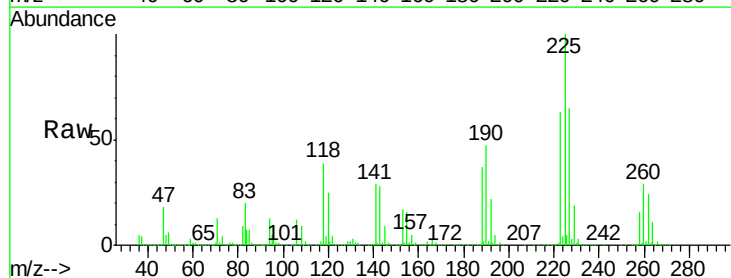
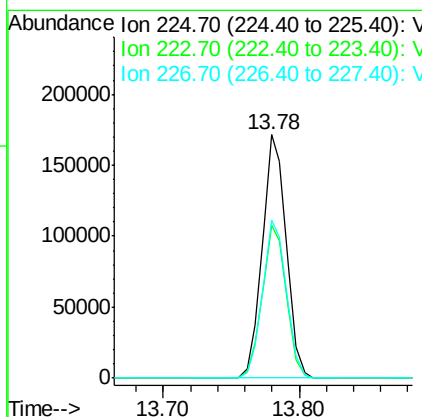
RT: 13.78 min Scan# 2071

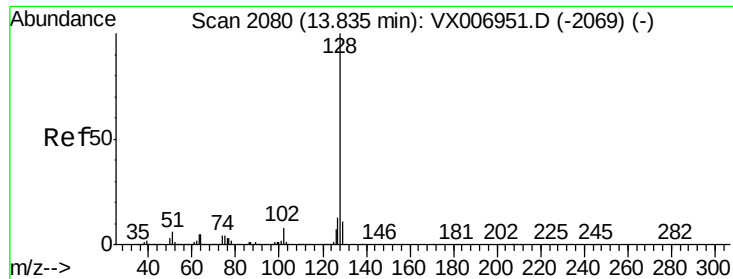
Delta R.T. 0.00 min

Lab File: VX007149.D

Acq: 21 Jan 2019 10:34

Tgt Ion:	225	Resp:	212290
Ion Ratio	Lower	Upper	
225	100		
223	63.1	32.1	96.3
227	65.0	32.3	96.8





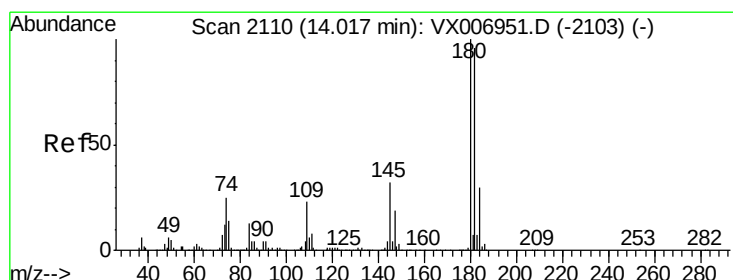
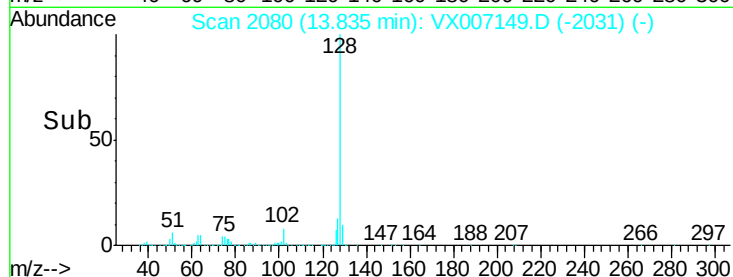
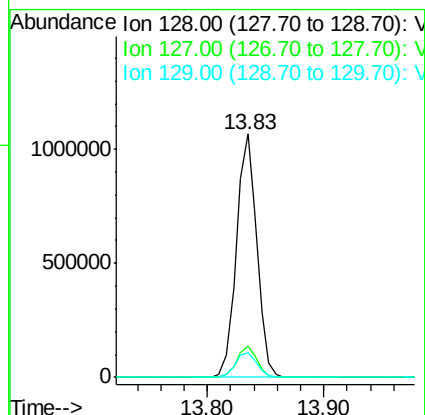
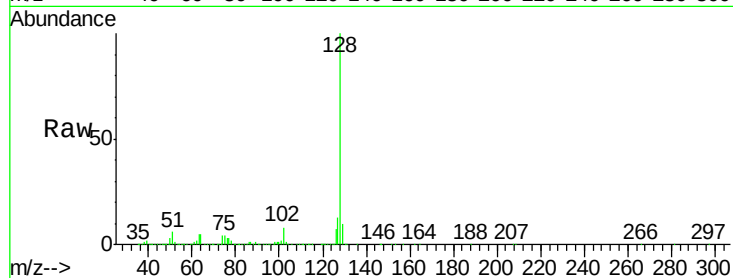
#95
Naphthalene
Concen: 52.734 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:55:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.886 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007149.D
Acq: 21 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.5	145.5
145	30.1	16.0	47.9

