

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102618\
 Data File : VX005649.D
 Acq On : 27 Oct 2018 11:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:41:23 PM

Quant Time: Oct 29 03:23:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325890	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	265860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	135424	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	5.50	113	99796	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
50) Toluene-d8	8.71	98	340215	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
62) 4-Bromofluorobenzene	11.14	95	131309	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	117896	57.385	ug/l	90
3) Chloromethane	1.32	50	139937	53.485	ug/l	98
4) Vinyl Chloride	1.41	62	138643	53.891	ug/l	96
5) Bromomethane	1.64	94	77810	48.607	ug/l	100
6) Chloroethane	1.71	64	87187	53.050	ug/l	92
7) Trichlorofluoromethane	1.92	101	162222	45.380	ug/l	96
8) Diethyl Ether	2.19	74	76816	53.846	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83037	40.486	ug/l	96
10) Methyl Iodide	2.51	142	109251	50.948	ug/l	99
11) Tert butyl alcohol	3.08	59	188012	274.984	ug/l	99
12) 1,1-Dichloroethene	2.37	96	89467	45.790	ug/l	90
13) Acrolein	2.30	56	78080	223.872	ug/l	99
14) Allyl chloride	2.73	41	205234	47.066	ug/l	98
15) Acrylonitrile	3.15	53	394542	257.339	ug/l	98
16) Acetone	2.45	43	362652	270.113	ug/l	98
17) Carbon Disulfide	2.57	76	281044	47.187	ug/l	99
18) Methyl Acetate	2.78	43	192801	58.375	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	356158	51.101	ug/l	96
20) Methylene Chloride	2.86	84	113638	50.537	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	100658	47.184	ug/l	93
22) Diisopropyl ether	3.87	45	395247	51.904	ug/l #	92
23) Vinyl Acetate	3.82	43	1776801	264.939	ug/l	100
24) 1,1-Dichloroethane	3.70	63	212795	51.399	ug/l	98
25) 2-Butanone	4.71	43	549683	268.860	ug/l	91
26) 2,2-Dichloropropane	4.59	77	89690	28.061	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	109357	47.549	ug/l	98
28) Bromochloromethane	5.02	49	103572	51.724	ug/l	99
29) Tetrahydrofuran	5.15	42	344042	258.578	ug/l	96
30) Chloroform	5.22	83	196422	50.721	ug/l	85
31) Cyclohexane	5.58	56	142579	41.623	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	166068	48.586	ug/l	97
36) 1,1-Dichloropropene	5.79	75	135504	42.845	ug/l	98
37) Ethyl Acetate	4.86	43	201708	49.980	ug/l	99
38) Carbon Tetrachloride	5.78	117	134675	40.431	ug/l	91

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Manual Integrations
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Quant Time: Oct 29 03:23:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	129714	37.143	ug/l	97
40) Benzene	6.15	78	463790	51.157	ug/l	99
41) Methacrylonitrile	5.06	41	107088	47.636	ug/l	95
42) 1,2-Dichloroethane	6.20	62	169094	49.097	ug/l	99
43) Isopropyl Acetate	6.46	43	316340	52.308	ug/l	99
44) Trichloroethene	7.22	130	115213	46.649	ug/l	76
45) 1,2-Dichloropropane	7.52	63	109808	45.051	ug/l	99
46) Dibromomethane	7.66	93	73254	46.533	ug/l	94
47) Bromodichloromethane	7.90	83	144860	47.412	ug/l	98
48) Methyl methacrylate	7.77	41	156707	53.190	ug/l	95
49) 1,4-Dioxane	7.76	88	66727	1036.389	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	983046	241.867	ug/l	100
52) Toluene	8.79	92	241005	43.741	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	145544	44.076	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	156067	43.898	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	107097	46.103	ug/l	98
56) Ethyl methacrylate	9.18	69	173716	50.135	ug/l	99
57) 1,3-Dichloropropane	9.37	76	180478	45.916	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	454962	235.097	ug/l	100
59) 2-Hexanone	9.50	43	789245	246.287	ug/l	99
60) Dibromochloromethane	9.59	129	114700	47.325	ug/l	99
61) 1,2-Dibromoethane	9.67	107	111659	46.462	ug/l	99
64) Tetrachloroethene	9.34	164	101233	45.869	ug/l	99
65) Chlorobenzene	10.14	112	273412	48.295	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	104282	50.517	ug/l	99
67) Ethyl Benzene	10.25	91	454305	48.774	ug/l	100
68) m/p-Xylenes	10.36	106	351003	97.130	ug/l	99
69) o-Xylene	10.70	106	173289	50.969	ug/l	100
70) Styrene	10.71	104	299103	52.552	ug/l	99
71) Bromoform	10.86	173	97583	52.975	ug/l	99
73) Isopropylbenzene	11.02	105	448663	49.209	ug/l	100
74) N-amyl acetate	10.90	43	260214	57.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	179986	53.508	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	163605m	51.770	ug/l	
77) Bromobenzene	11.26	156	129488	50.960	ug/l	99
78) n-propylbenzene	11.36	91	509741	48.893	ug/l	100
79) 2-Chlorotoluene	11.42	91	318479	49.268	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	389676	49.961	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45361	46.901	ug/l	96
82) 4-Chlorotoluene	11.51	91	377007	49.461	ug/l	100
83) tert-Butylbenzene	11.77	119	377255	48.523	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	408017	51.616	ug/l	99
85) sec-Butylbenzene	11.94	105	438945	47.314	ug/l	100
86) p-Isopropyltoluene	12.07	119	402322	48.512	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	235053	49.192	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	239913	48.101	ug/l	99
89) n-Butylbenzene	12.39	91	341797	45.652	ug/l	100
90) Hexachloroethane	12.60	117	68477	47.874	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	242680	50.200	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45623	56.094	ug/l	99

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ClientSampleId :
VSTDCCC050EC

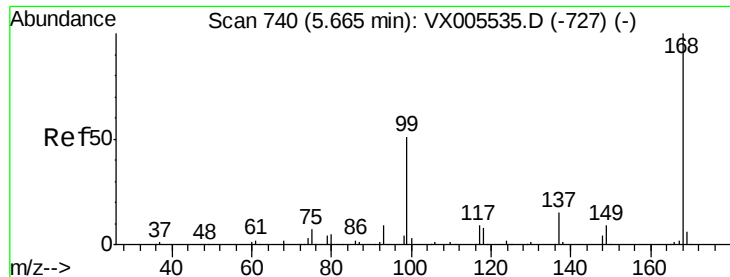
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
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QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	179320	51.170	ug/l	100
94) Hexachlorobutadiene	13.79	225	73357	40.394	ug/l	99
95) Naphthalene	13.83	128	598395	58.744	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	188265	52.997	ug/l	100

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



#1

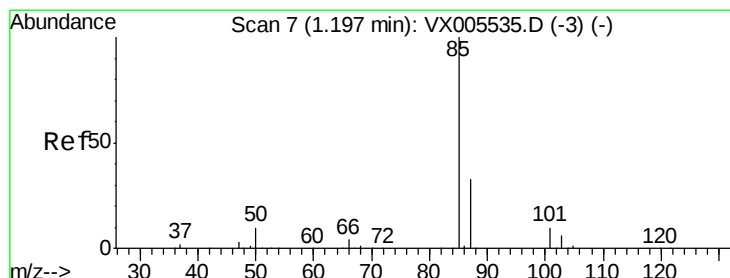
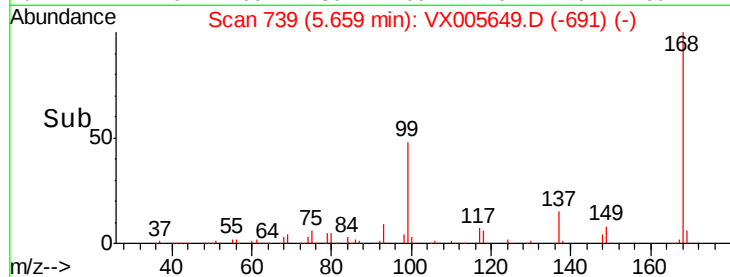
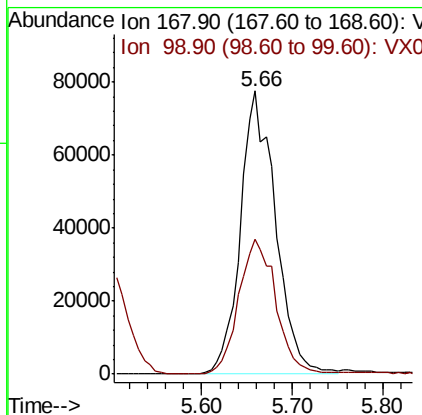
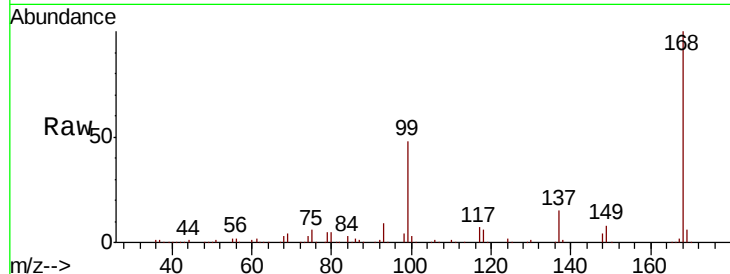
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX005649.D
 Acq: 27 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.7	40.7	61.1

Manual Integrations
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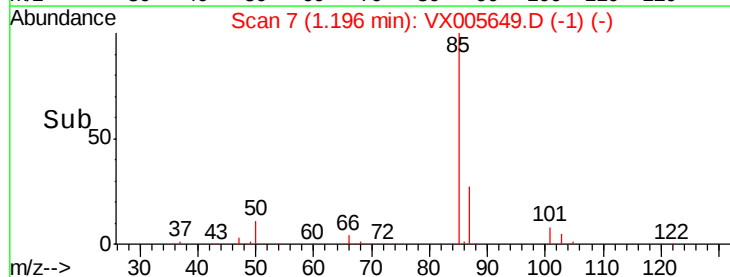
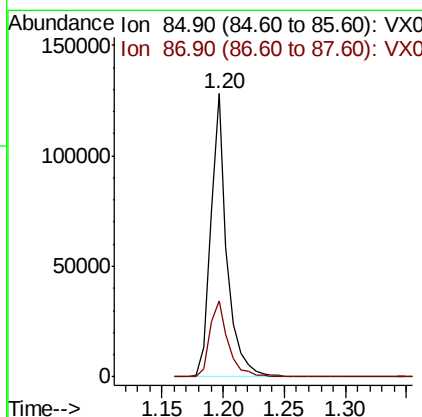
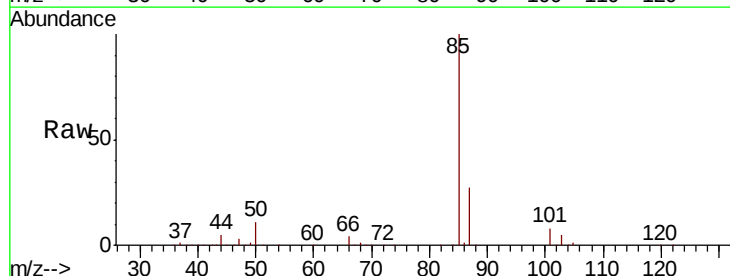
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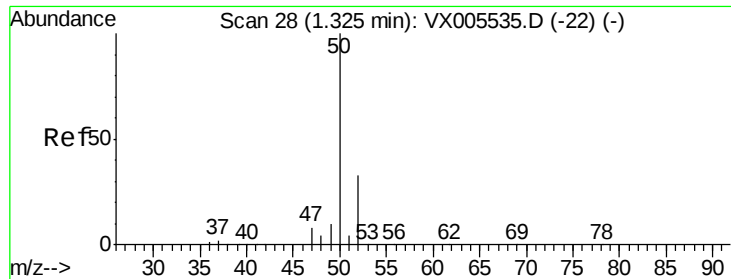


#2

Dichlorodifluoromethane
 Concen: 57.385 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX005649.D
 Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	26.8	16.3	48.9





#3

Chloromethane

Concen: 53.485 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 139937

Ion Ratio Lower Upper

50 100

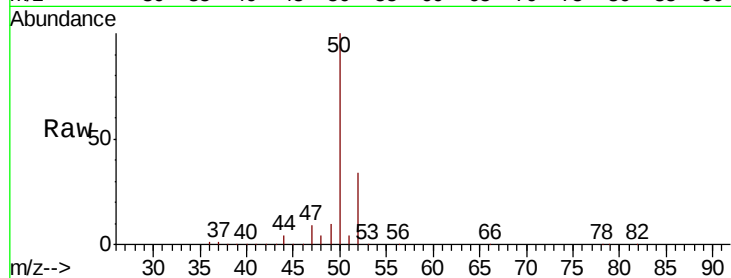
52 34.1 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

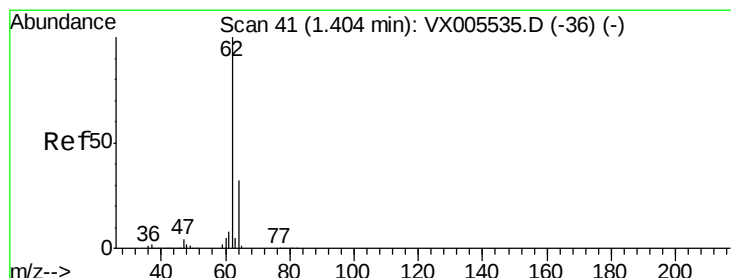
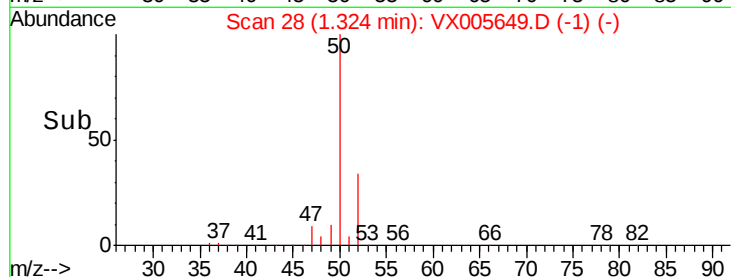
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 53.891 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005649.D

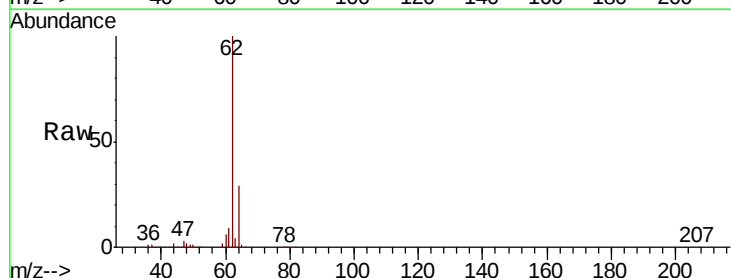
Acq: 27 Oct 2018 11:46

Tgt Ion: 62 Resp: 138643

Ion Ratio Lower Upper

62 100

64 29.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

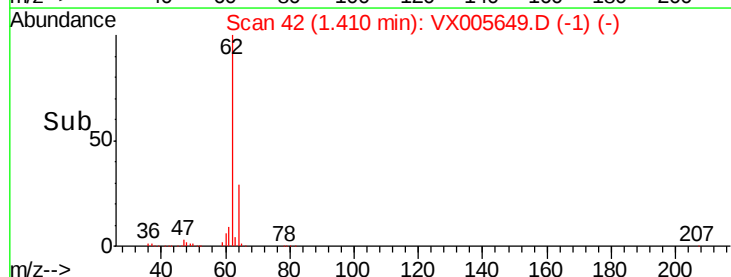
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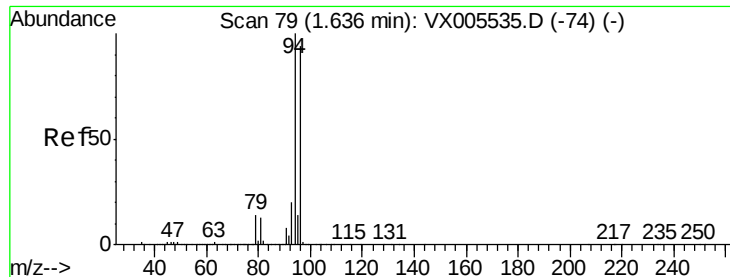
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 48.607 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77810

Ion Ratio Lower Upper

94 100

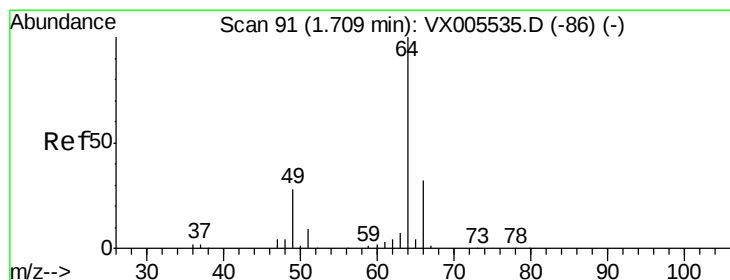
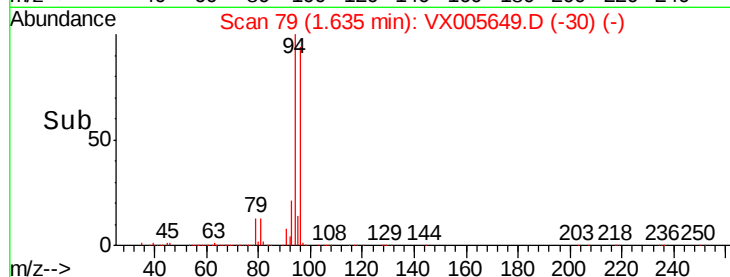
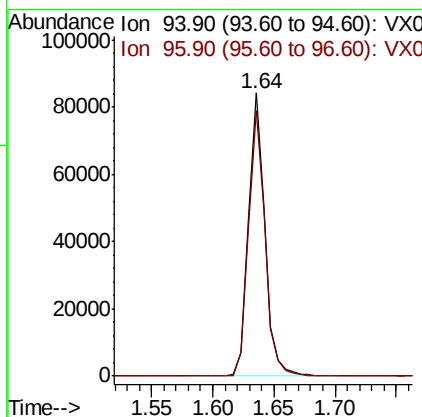
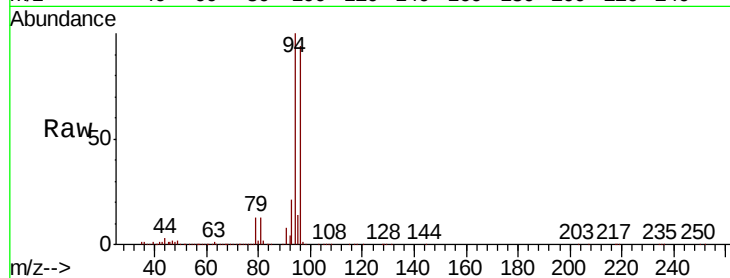
96 93.7 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 53.050 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005649.D

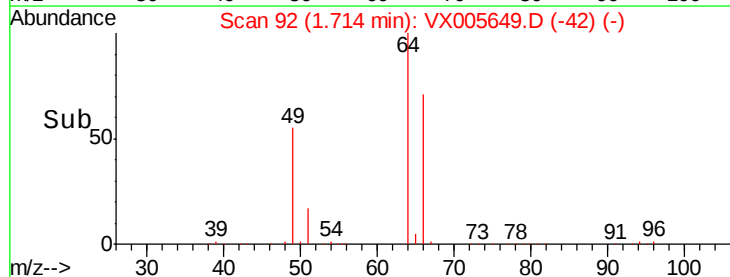
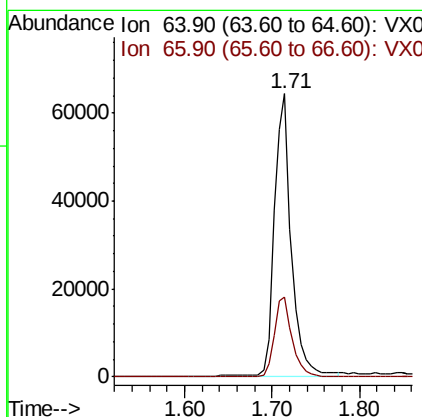
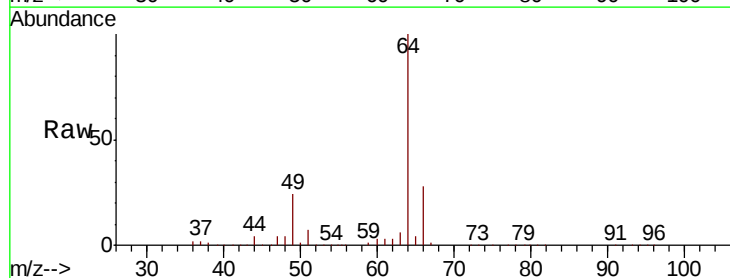
Acq: 27 Oct 2018 11:46

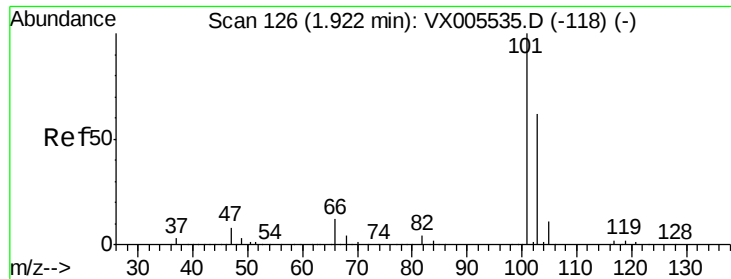
Tgt Ion: 64 Resp: 87187

Ion Ratio Lower Upper

64 100

66 27.9 25.8 38.6





#7

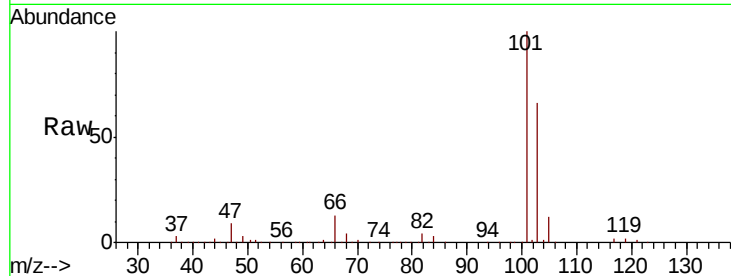
Trichlorofluoromethane
Concen: 45.380 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

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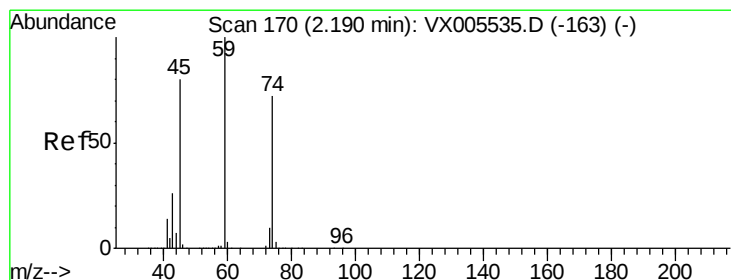
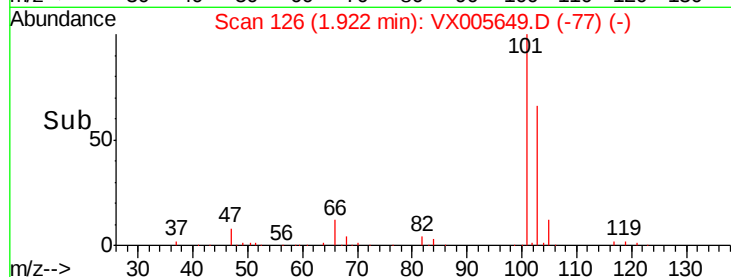
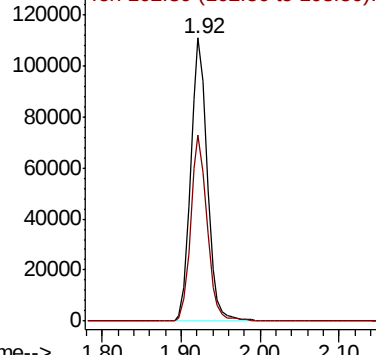
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.0	75.0

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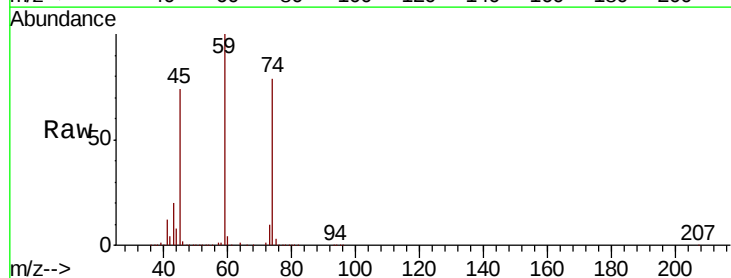
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



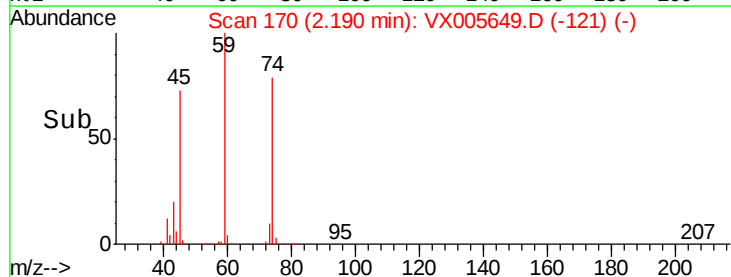
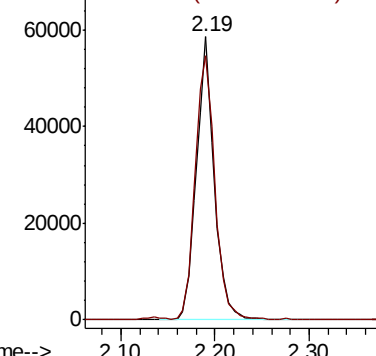
#8

Diethyl Ether
Concen: 53.846 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	54.1	162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.486 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

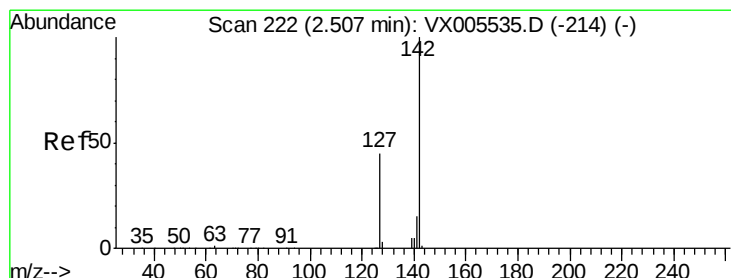
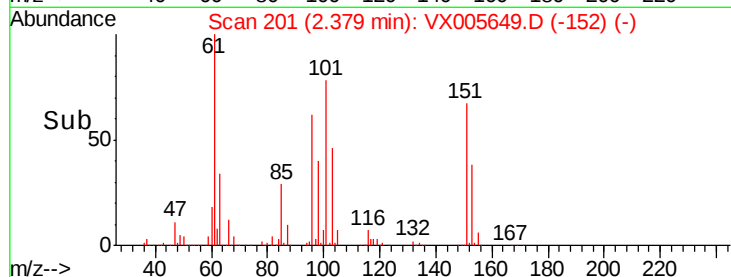
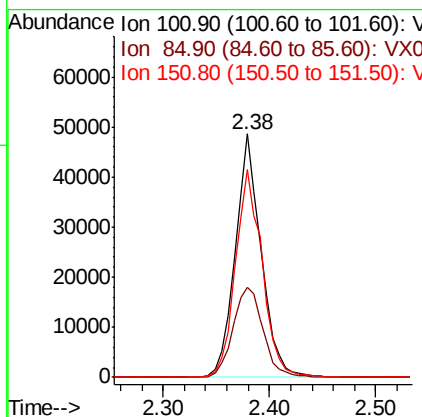
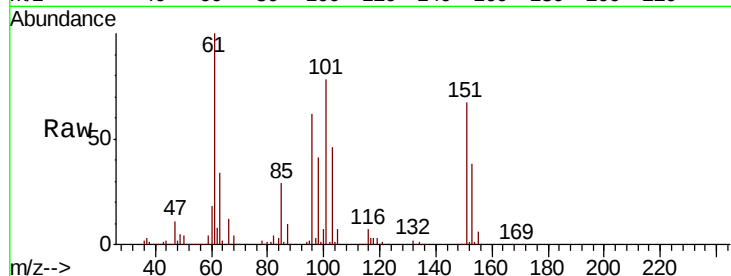
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	83037
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.0	52.4
151	88.4	66.2	99.2

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#10

Methyl Iodide

Concen: 50.948 ug/l

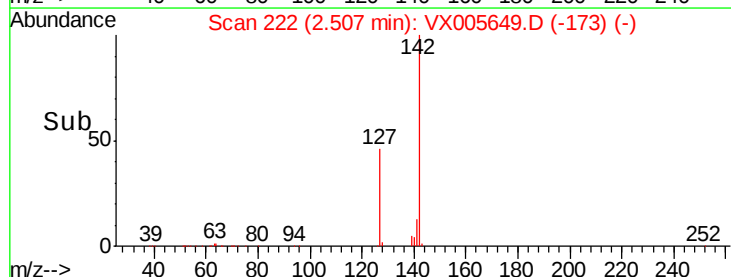
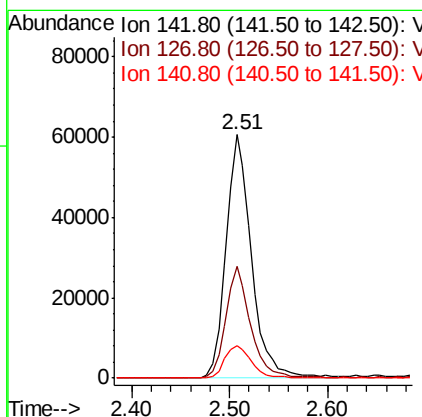
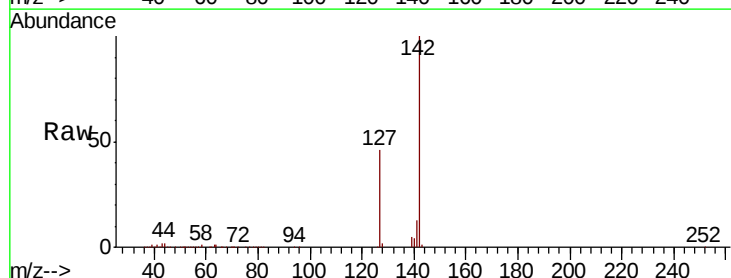
RT: 2.51 min Scan# 222

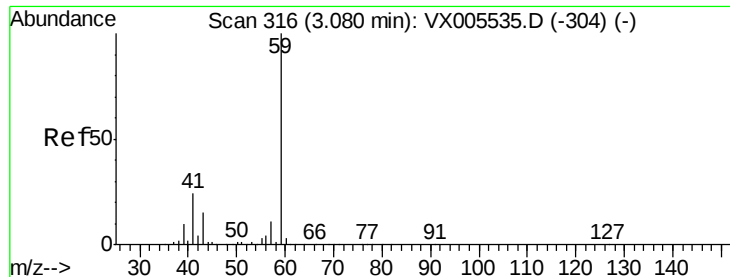
Delta R.T. 0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion:	142	Resp:	109251
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.0	54.0
141	14.1	11.7	17.5





#11

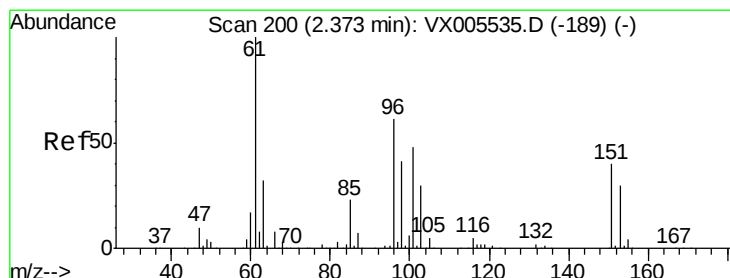
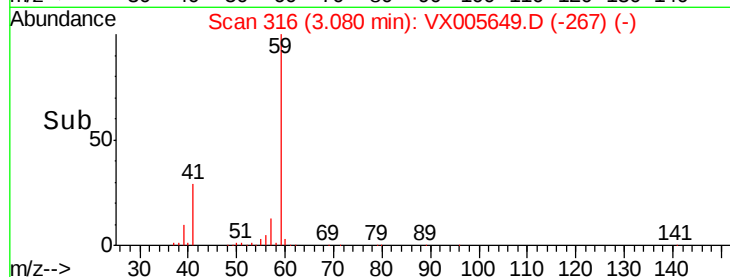
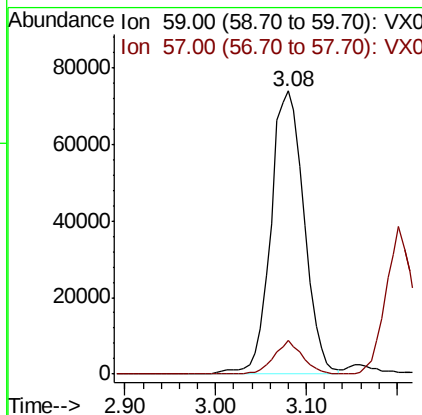
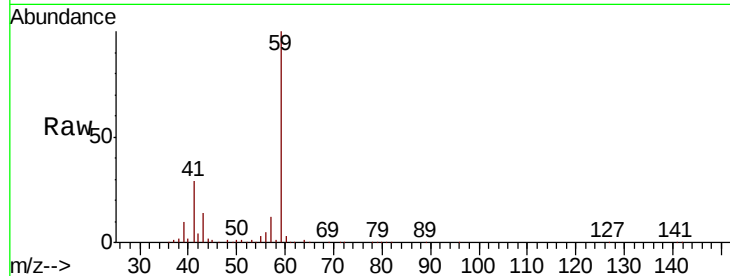
Tert butyl alcohol
Concen: 274.984 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
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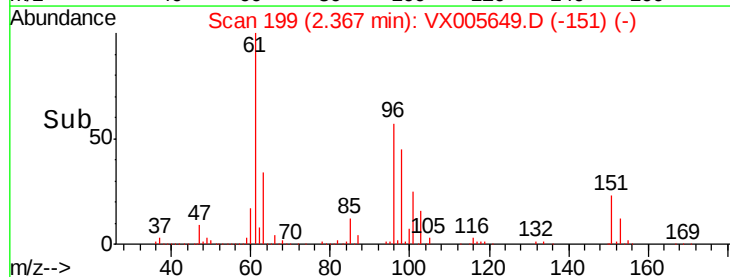
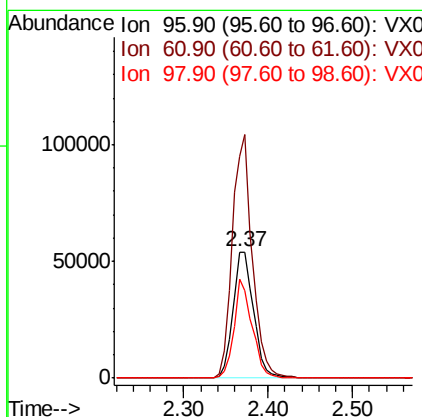
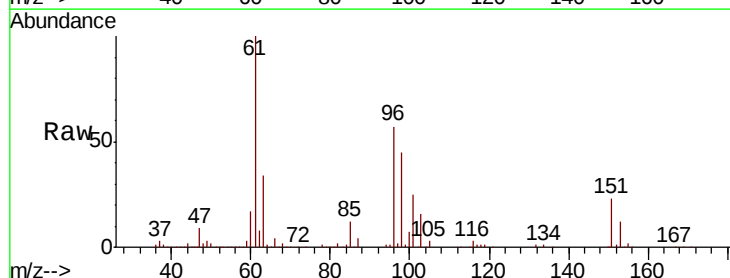
MMDadoda
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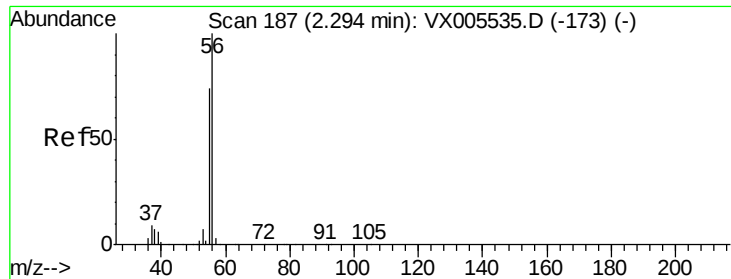


#12

1,1-Dichloroethene
Concen: 45.790 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.9	131.8	197.8
98	78.8	53.4	80.2





#13

Acrolein

Concen: 223.872 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 78080

Ion Ratio Lower Upper

56 100

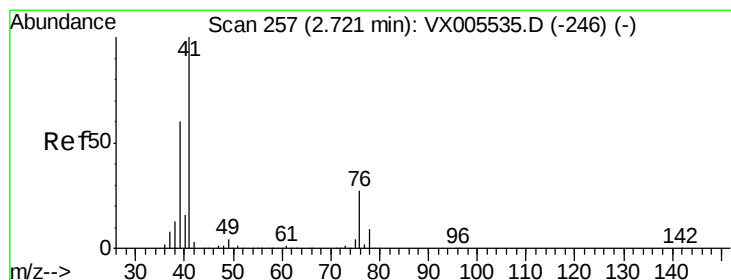
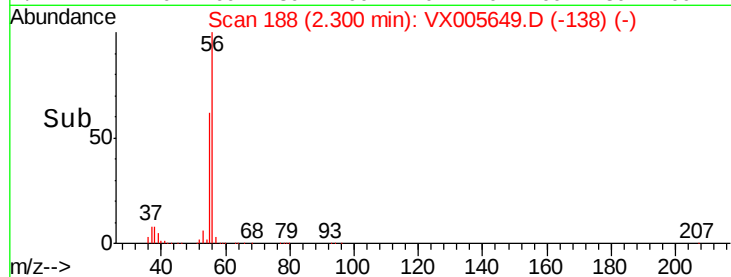
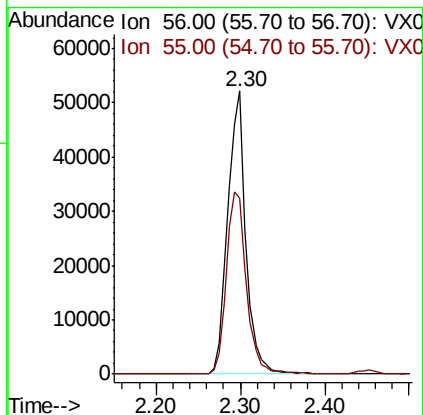
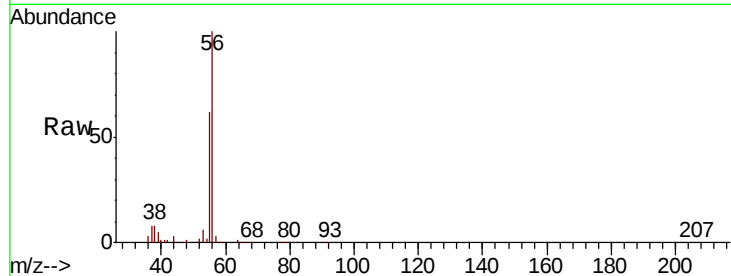
55 70.4 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 47.066 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

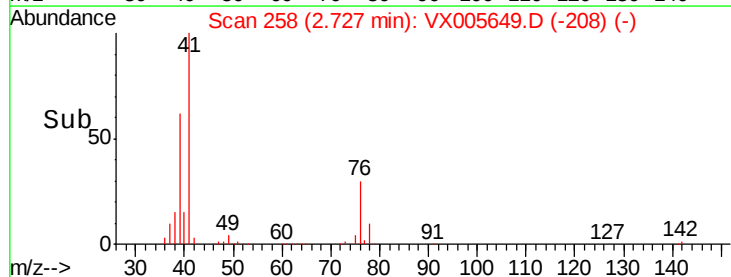
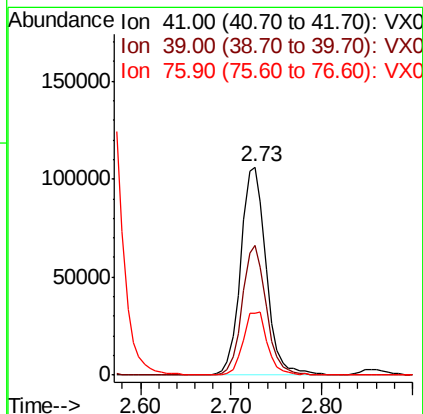
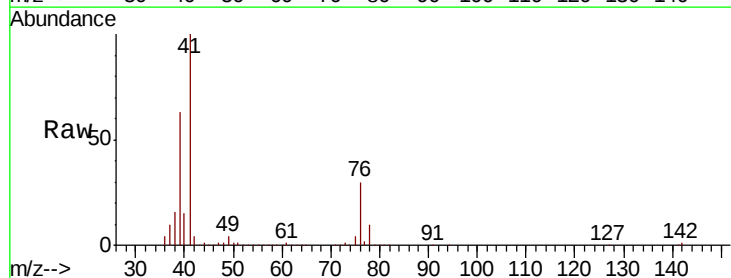
Tgt Ion: 41 Resp: 205234

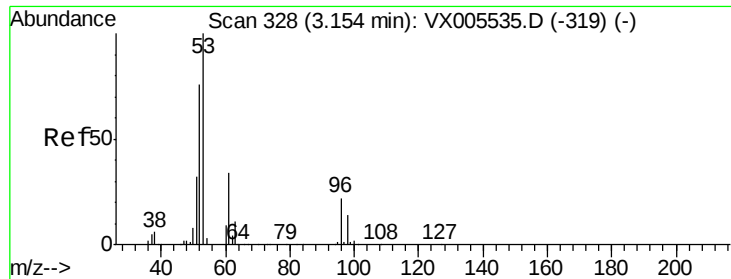
Ion Ratio Lower Upper

41 100

39 58.9 48.2 72.4

76 28.8 21.9 32.9





#15

Acrylonitrile

Concen: 257.339 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

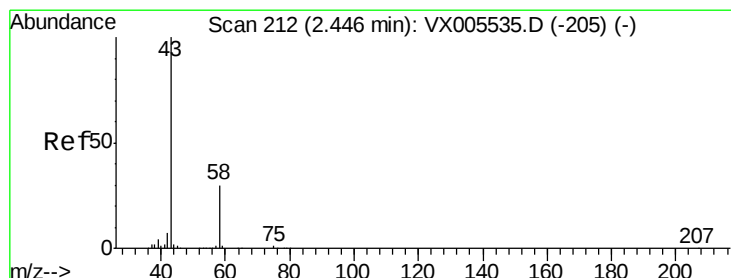
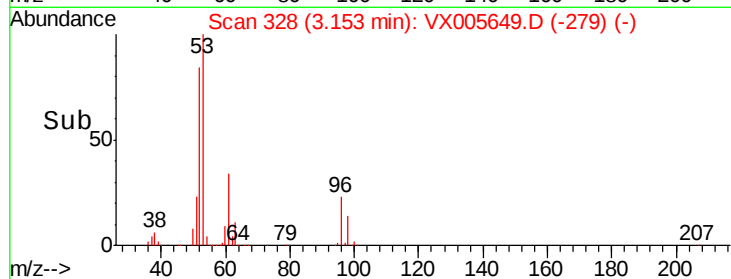
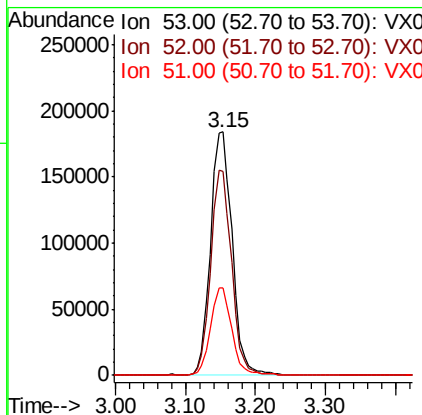
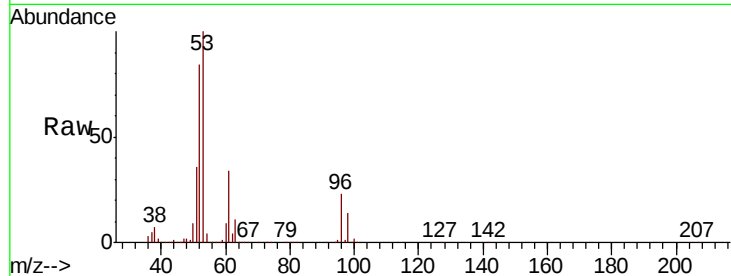
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	394542
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.6	99.8
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 270.113 ug/l

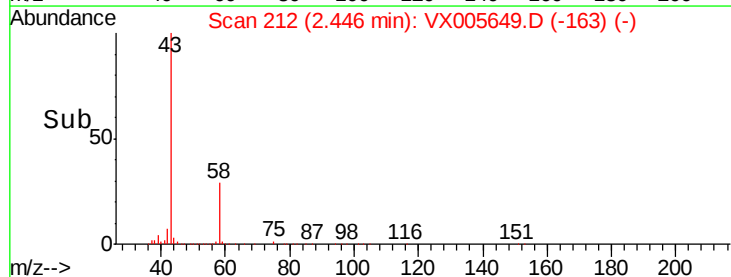
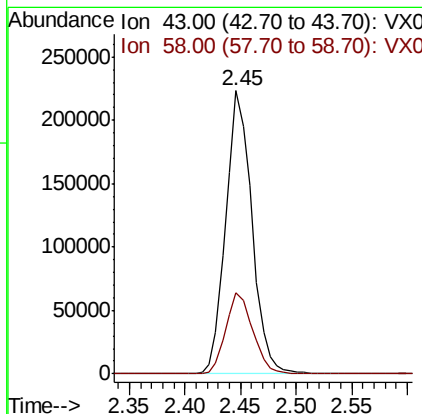
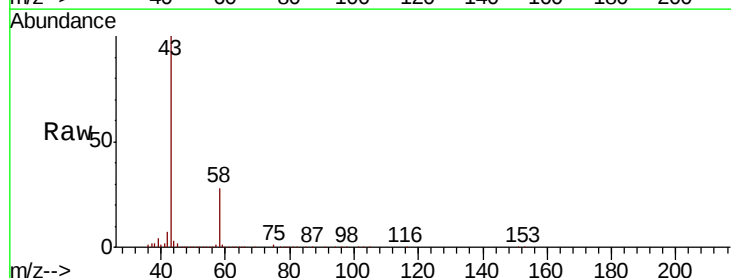
RT: 2.45 min Scan# 212

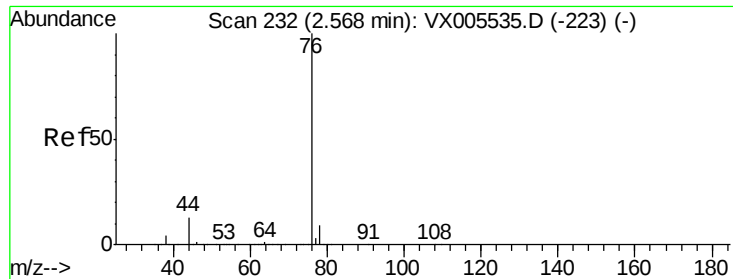
Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion:	43	Resp:	362652
Ion Ratio	Lower	Upper	
43	100		
58	28.5	23.8	35.6





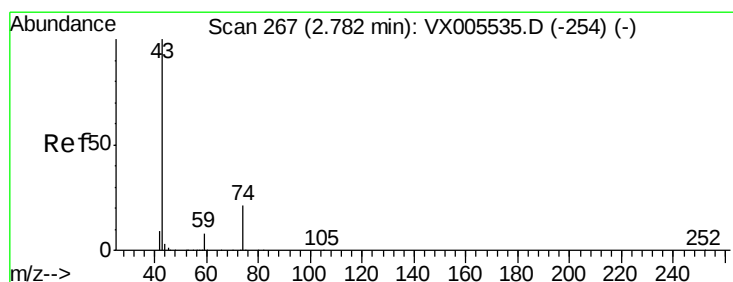
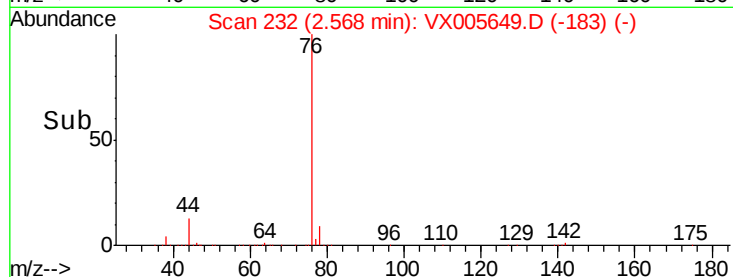
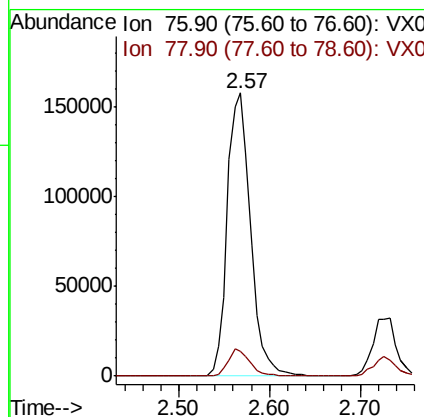
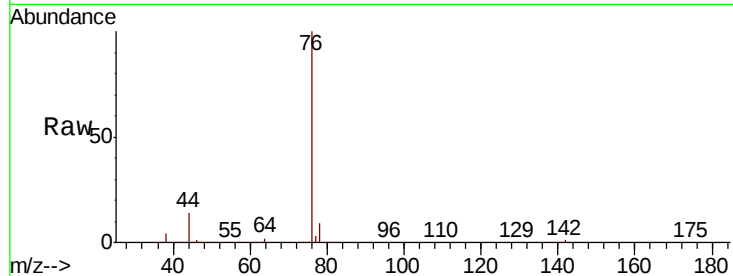
#17
Carbon Disulfide
Concen: 47.187 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

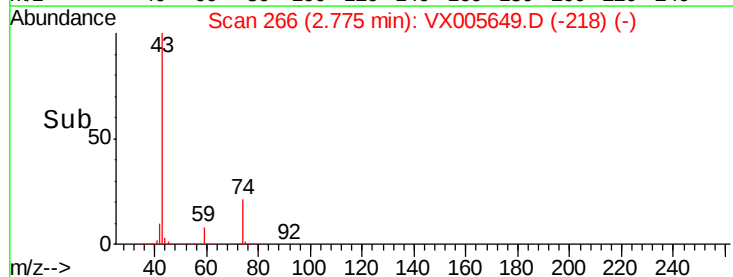
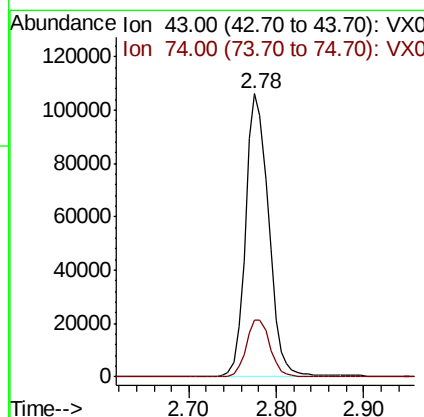
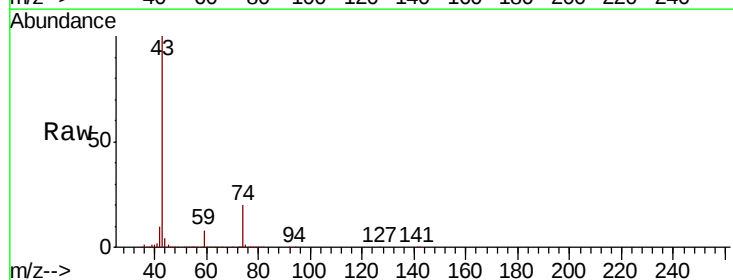
Manual Integrations
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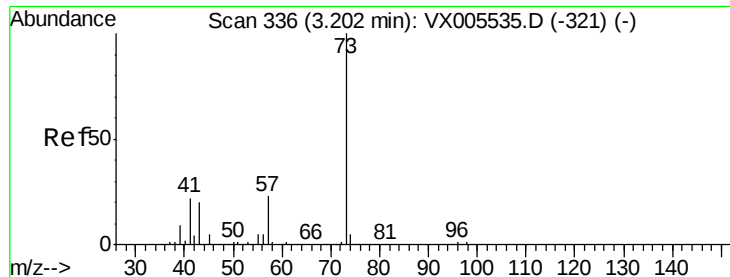
MMDadoda
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#18
Methyl Acetate
Concen: 58.375 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.8	25.2





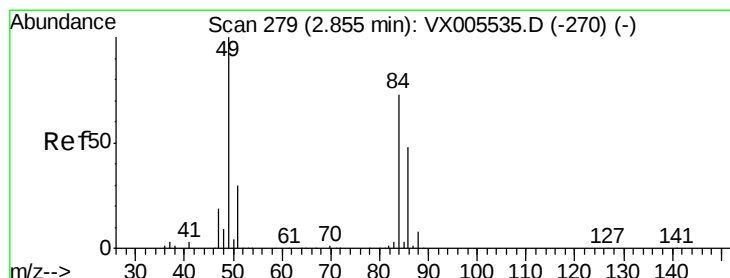
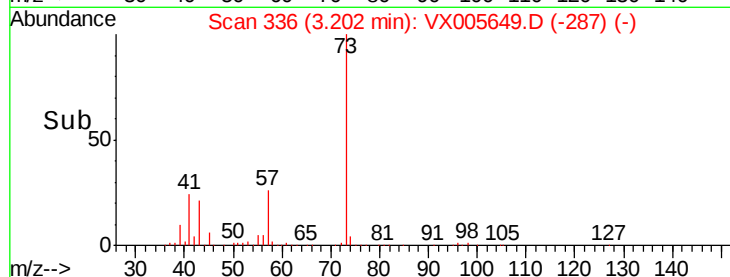
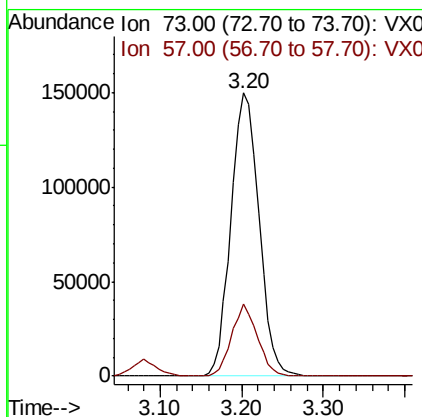
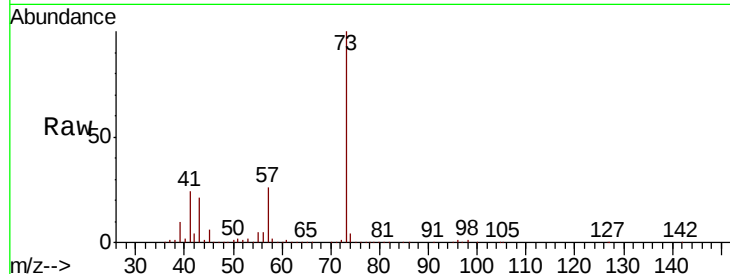
#19
Methyl tert-butyl Ether
Concen: 51.101 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 356158
Ion Ratio Lower Upper
73 100
57 25.6 18.8 28.2

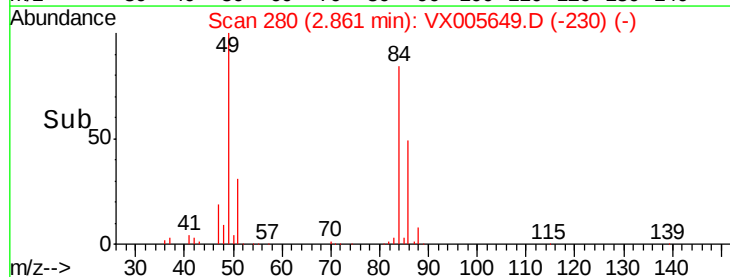
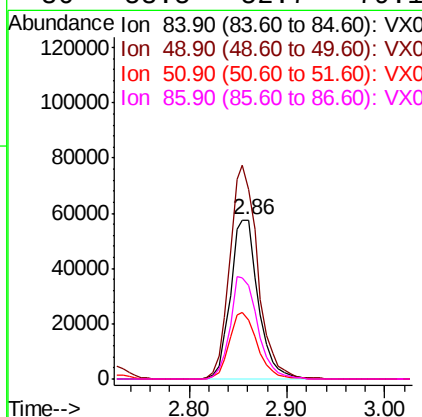
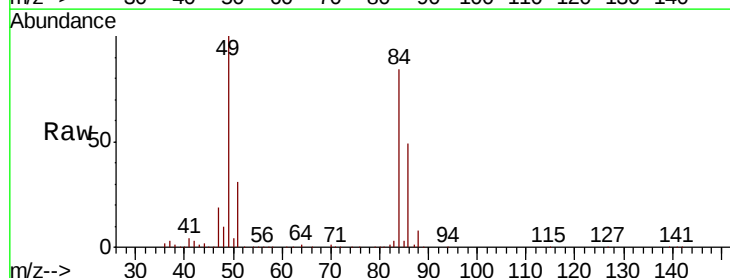
Manual Integrations
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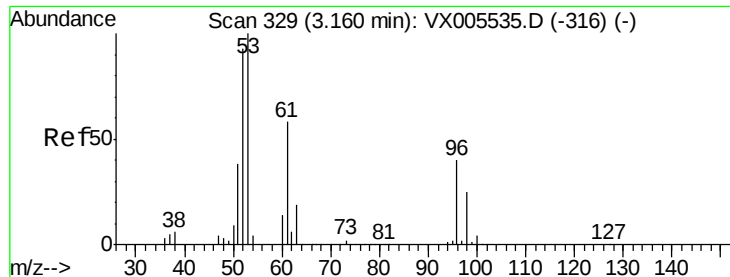
MMDadoda
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#20
Methylene Chloride
Concen: 50.537 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion: 84 Resp: 113638
Ion Ratio Lower Upper
84 100
49 119.3 109.5 164.3
51 37.1 33.3 49.9
86 58.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 47.184 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 100658

Ion Ratio Lower Upper

96 100

61 134.5 115.6 173.4

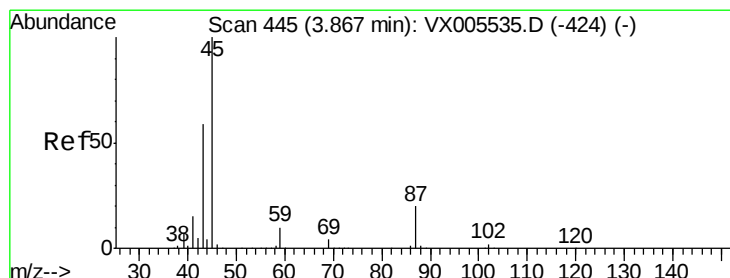
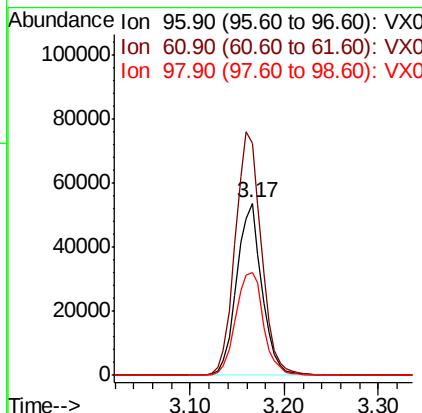
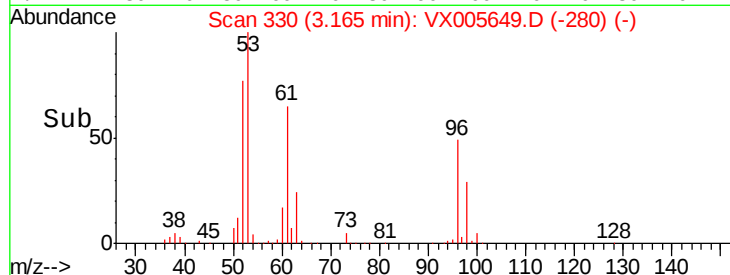
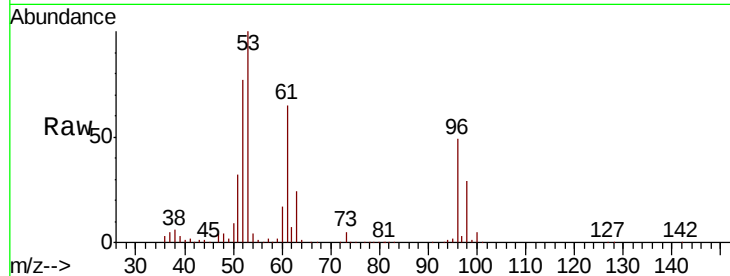
98 59.7 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.904 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion: 45 Resp: 395247

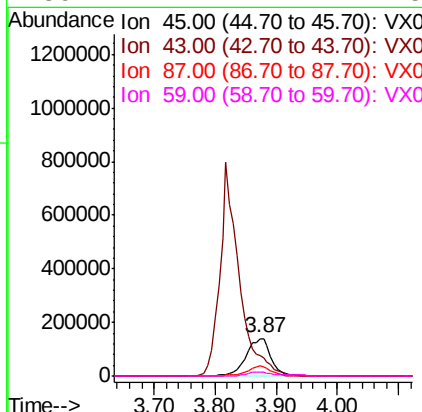
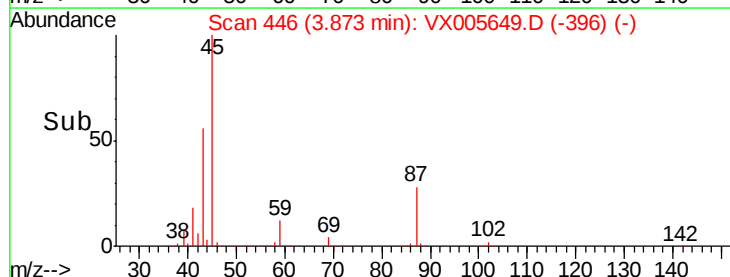
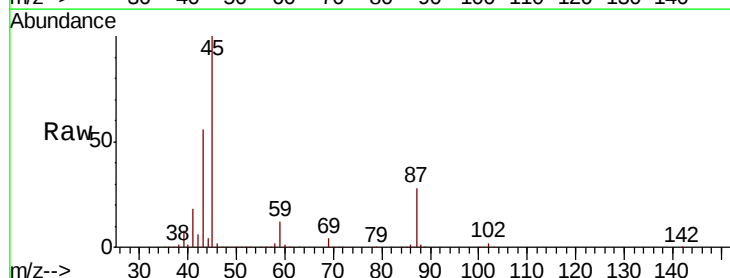
Ion Ratio Lower Upper

45 100

43 55.7 47.4 71.2

87 27.6 15.9 23.9#

59 12.1 7.7 11.5#





#23

Vinyl Acetate

Concen: 264.939 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1776801

Ion Ratio Lower Upper

43 100

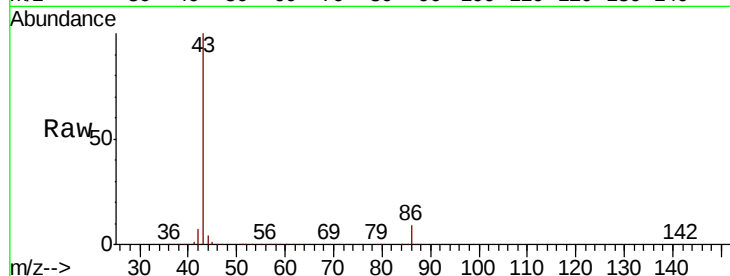
86 9.2 7.4 11.2

Manual Integrations

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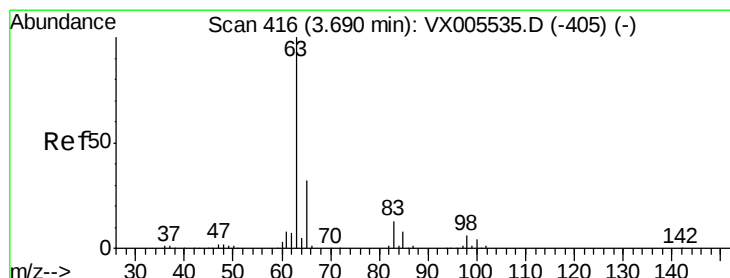
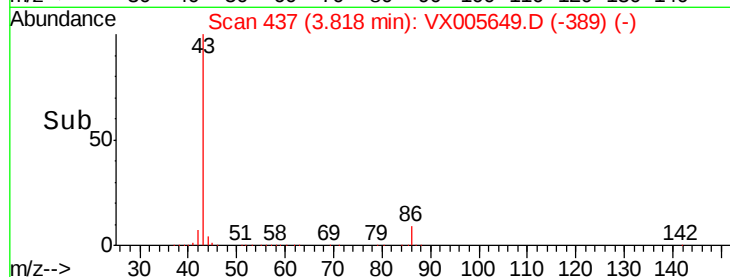
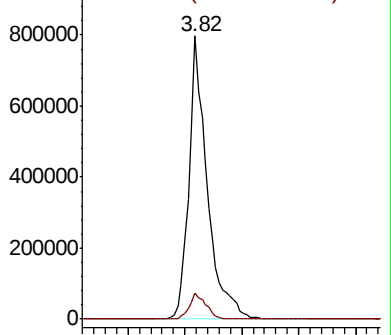
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.399 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

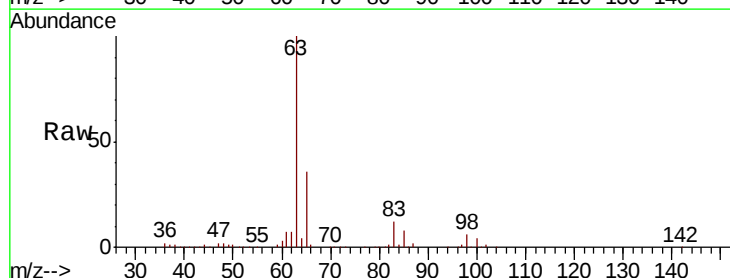
Tgt Ion: 63 Resp: 212795

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

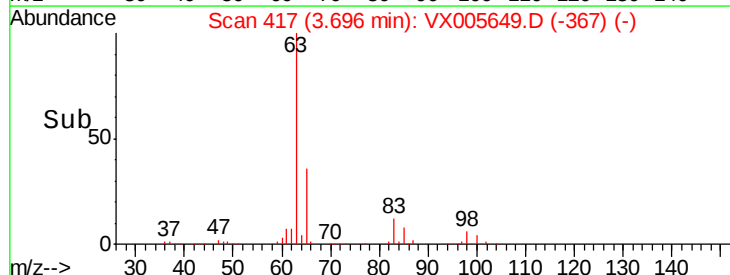
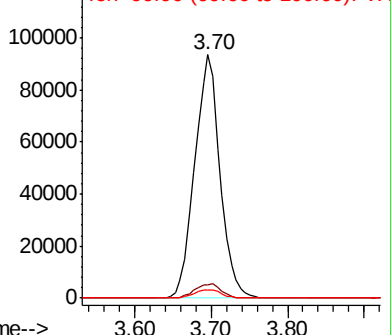
100 3.6 2.1 6.2

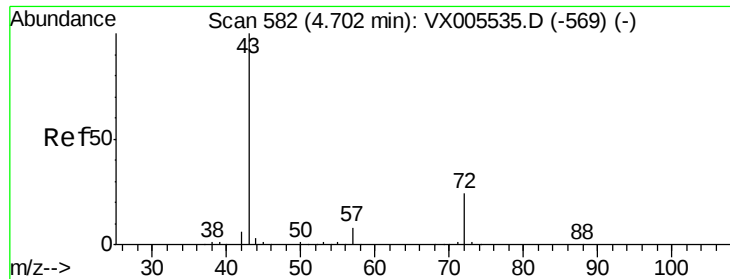


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 268.860 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 549683

Ion Ratio Lower Upper

43 100

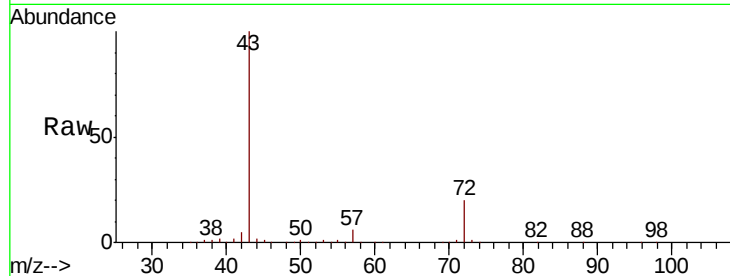
72 19.6 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

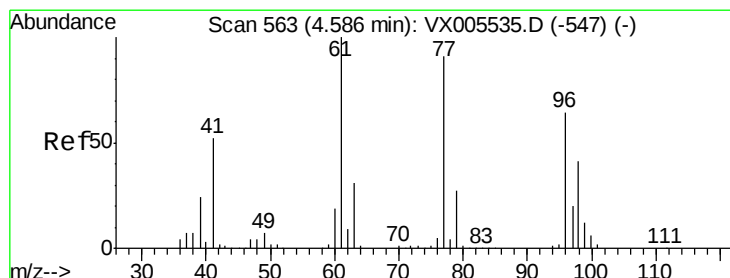
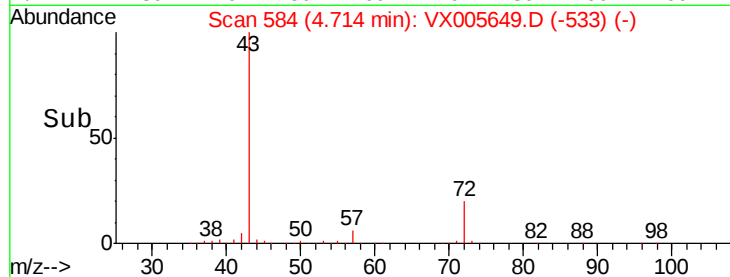
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 28.061 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005649.D

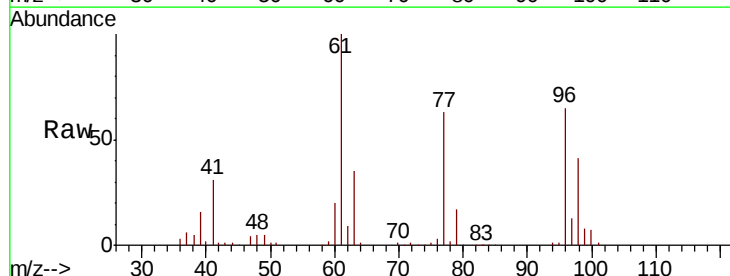
Acq: 27 Oct 2018 11:46

Tgt Ion: 77 Resp: 89690

Ion Ratio Lower Upper

77 100

97 24.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

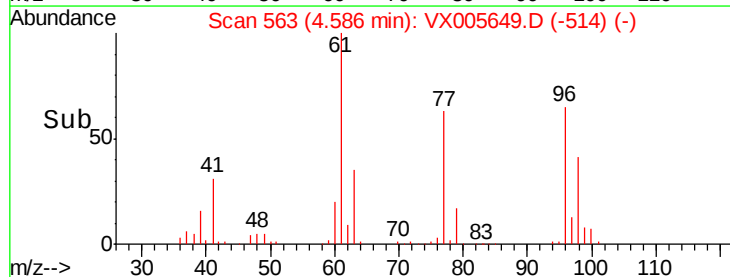
20000

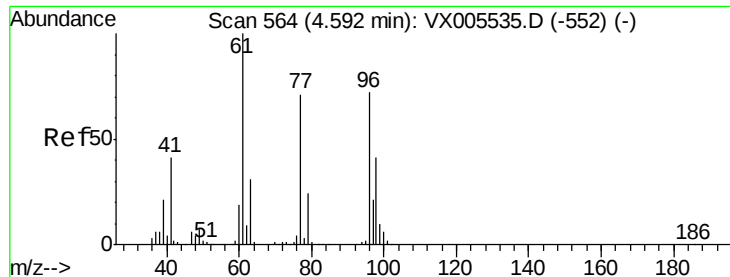
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

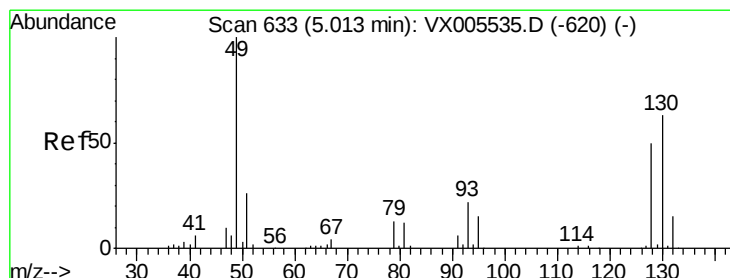
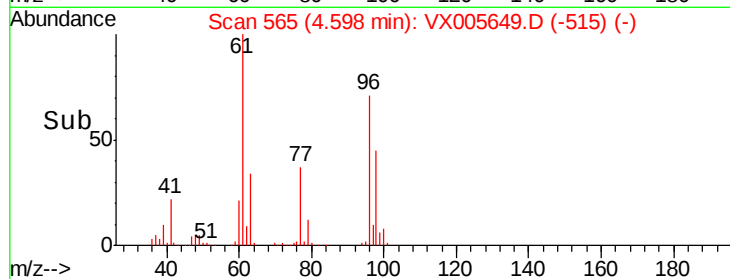
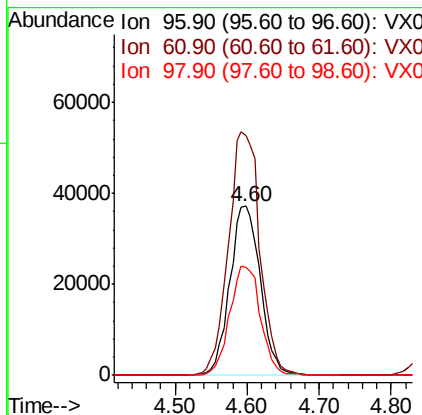
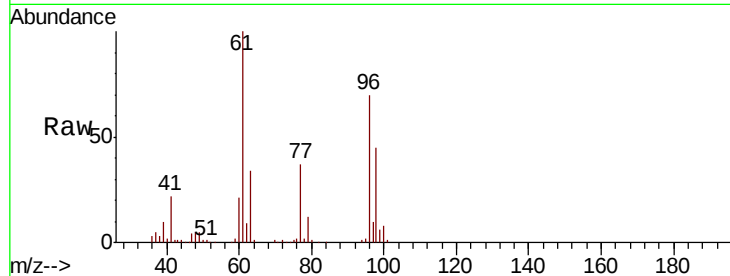
cis-1,2-Dichloroethene
Concen: 47.549 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.7	0.0	304.6	
98	65.0	0.0	127.4	

Manual Integrations
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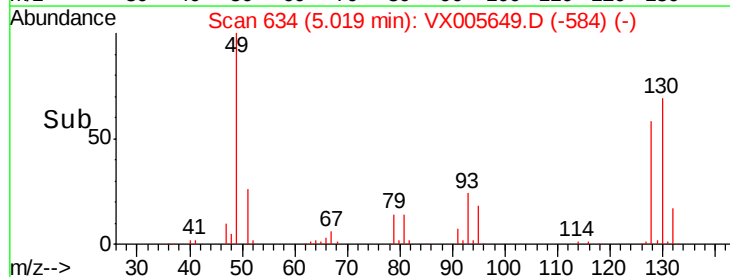
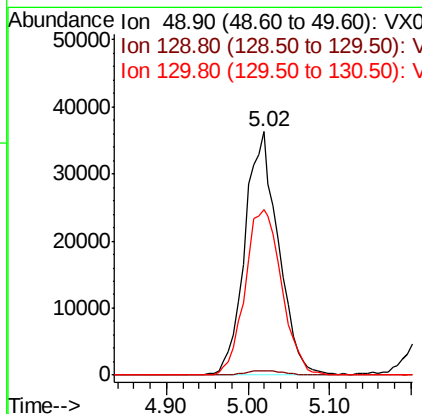
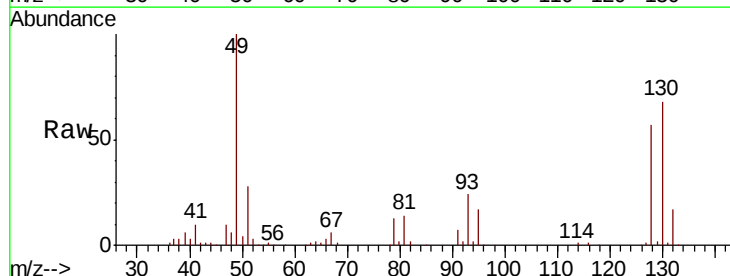
MMDadoda
10/29/2018 12:41:23 PM

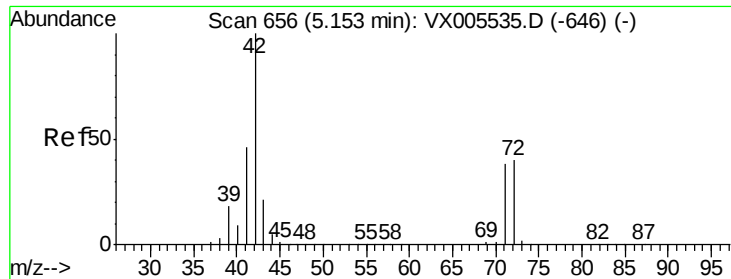


#28

Bromochloromethane
Concen: 51.724 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	74.3	58.9	88.3	





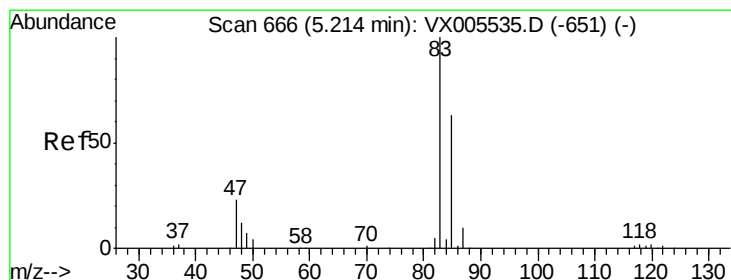
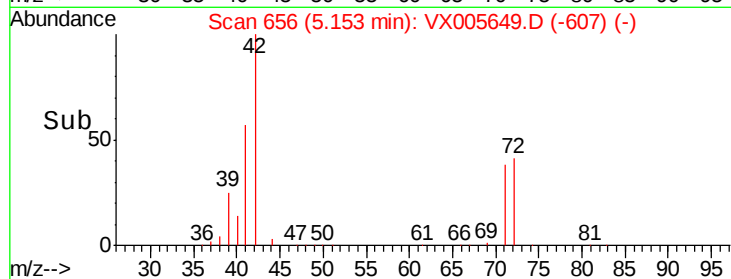
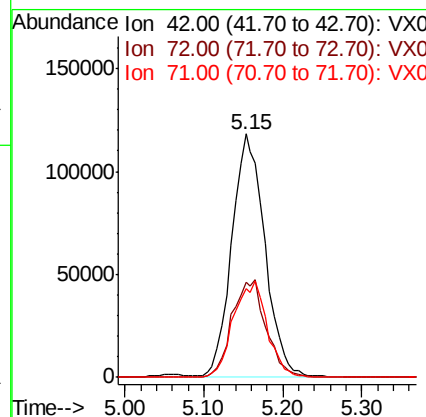
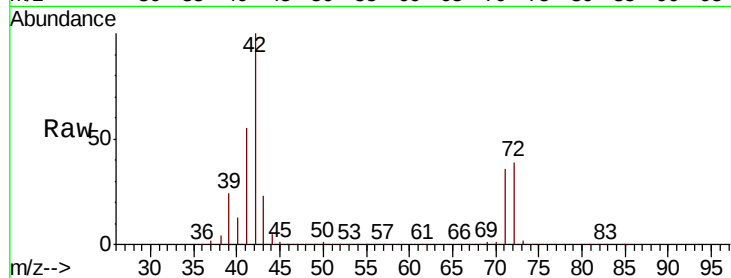
#29
Tetrahydrofuran
Concen: 258.578 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	40.4	29.8	44.8

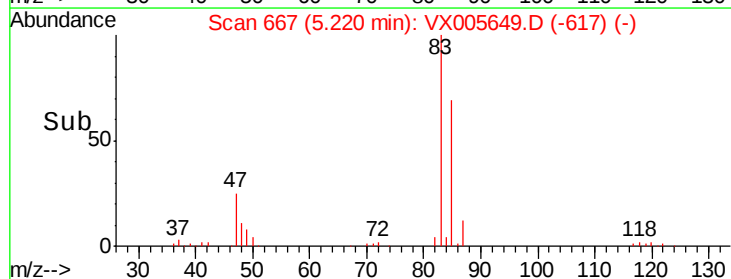
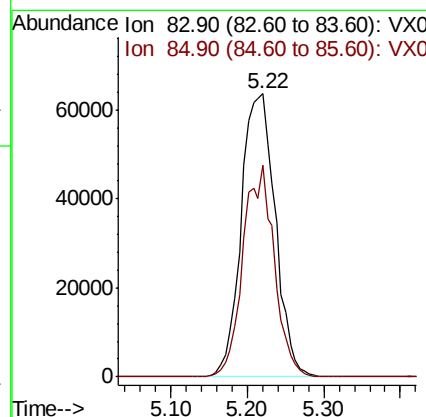
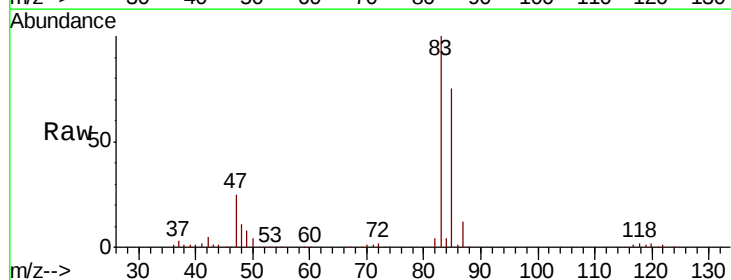
Manual Integrations
APPROVED

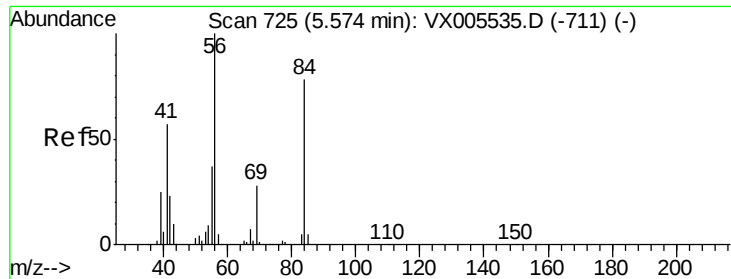
MMDadoda
10/29/2018 12:41:23 PM



#30
Chloroform
Concen: 50.721 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	74.7	50.6	76.0





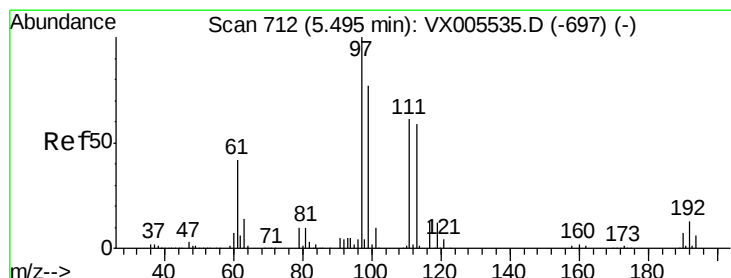
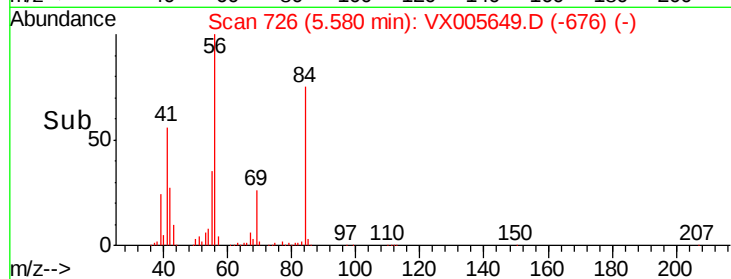
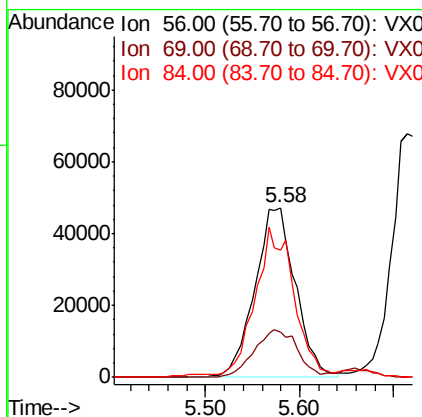
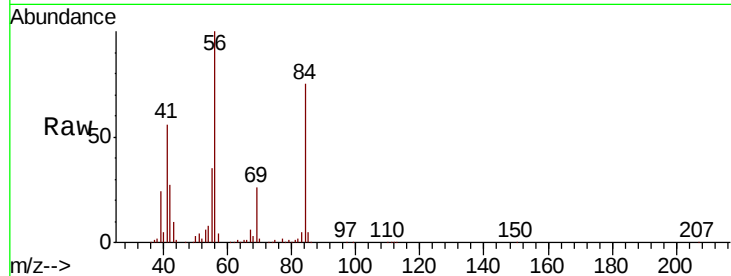
#31
Cyclohexane
Concen: 41.623 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.5	22.6	34.0
84	73.9	62.7	94.1

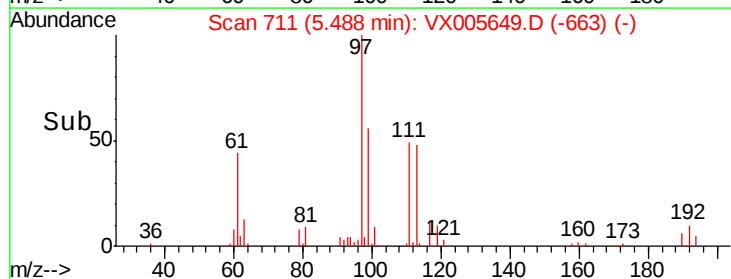
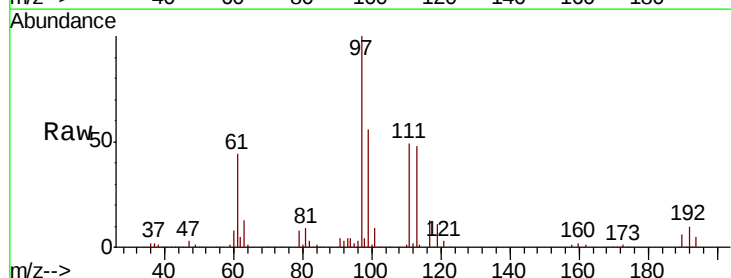
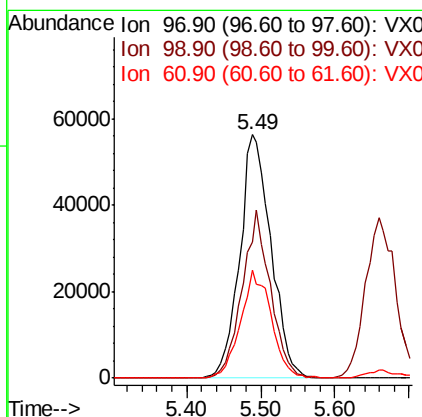
Manual Integrations
APPROVED

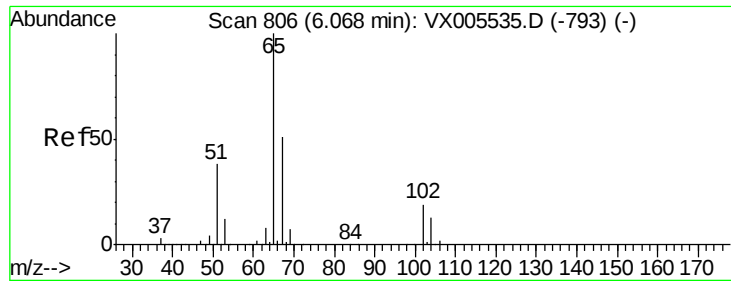
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#32
1,1,1-Trichloroethane
Concen: 48.586 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	52.3	78.5
61	43.3	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 53.300 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 135424

Ion Ratio Lower Upper

65 100

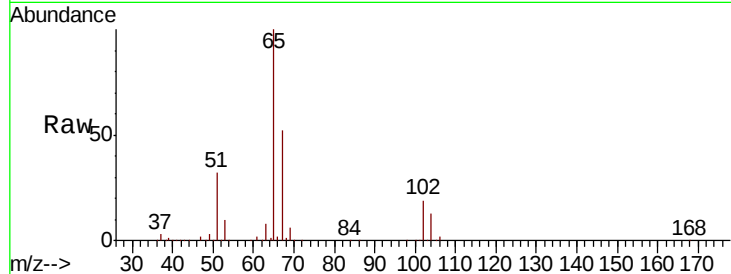
67 53.0 0.0 105.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

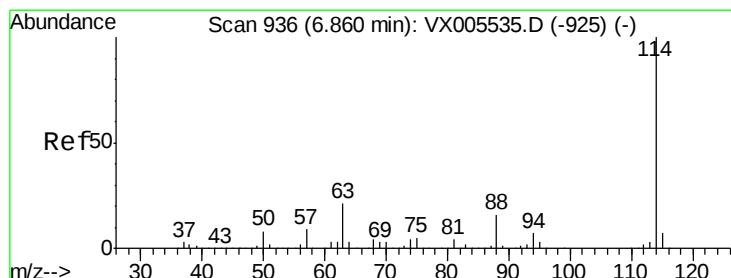
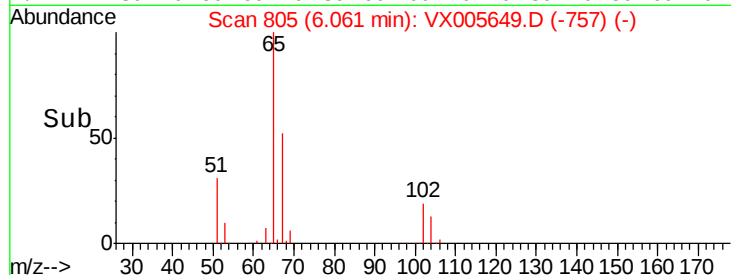
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

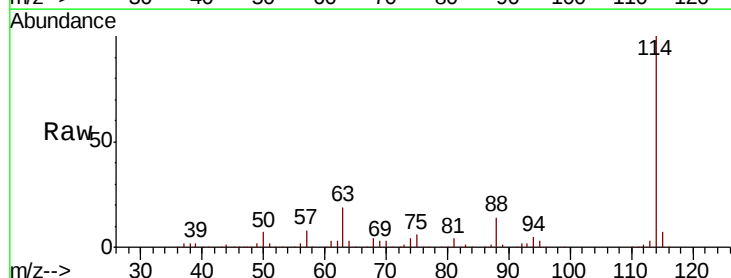
Tgt Ion: 114 Resp: 325890

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.8

88 14.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

150000

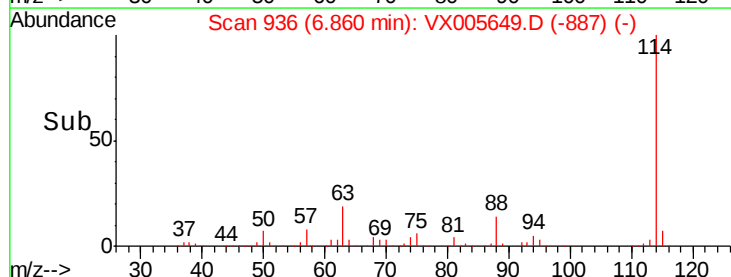
100000

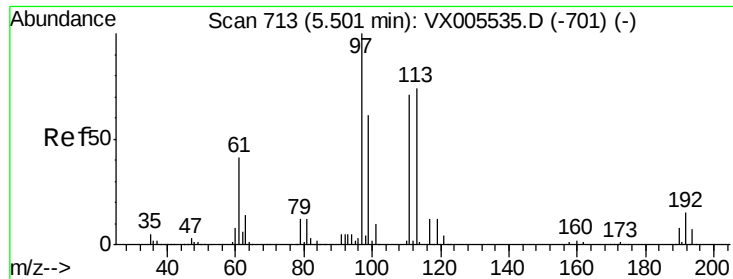
50000

0

6.80 7.00 7.20

Time-->





#35

Dibromofluoromethane

Concen: 45.225 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

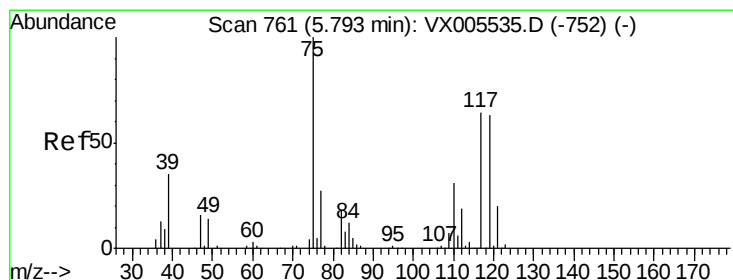
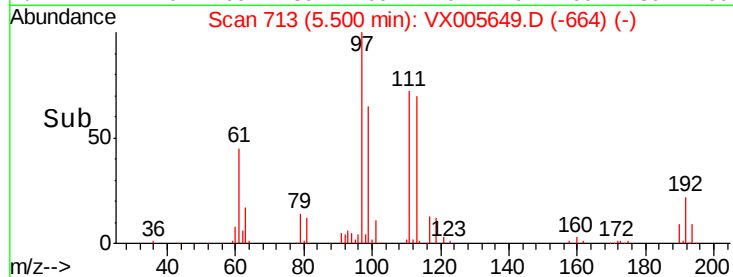
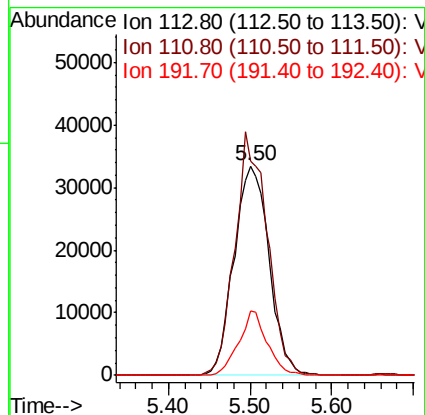
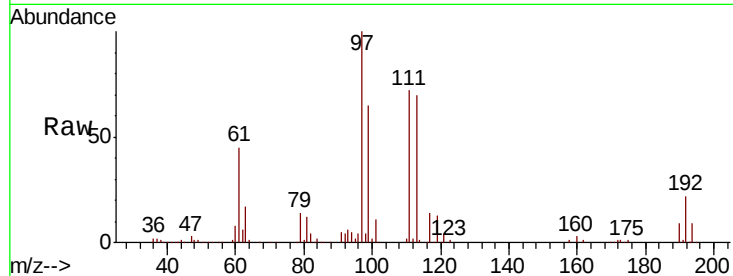
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	99796
Ion	Ratio	Lower	Upper
113	100		
111	106.6	82.3	123.5
192	25.0	17.9	26.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 42.845 ug/l

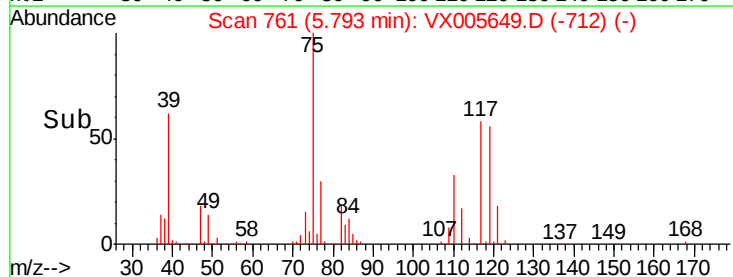
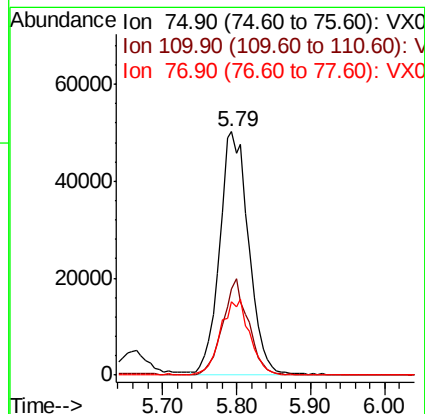
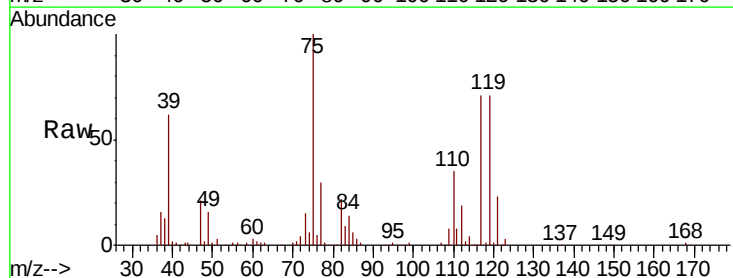
RT: 5.79 min Scan# 761

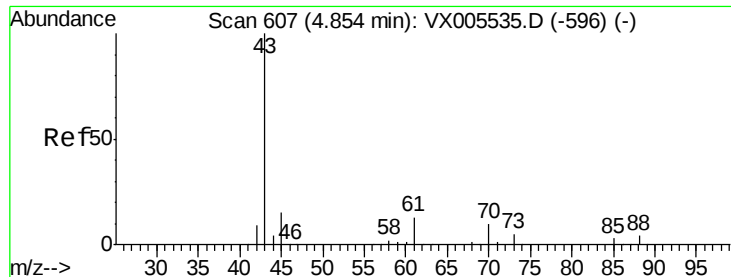
Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion:	75	Resp:	135504
Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.4	52.2
77	30.5	25.8	38.6





#37

Ethyl Acetate

Concen: 49.980 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

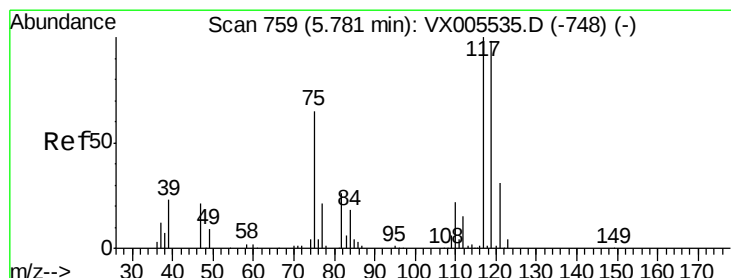
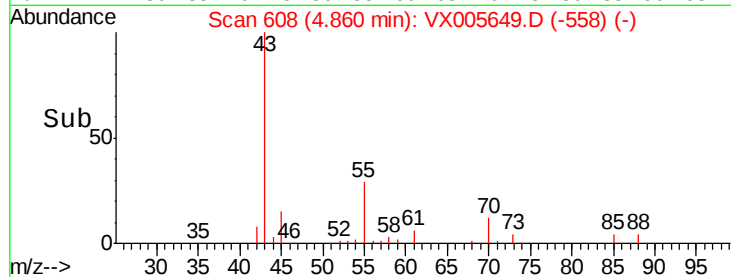
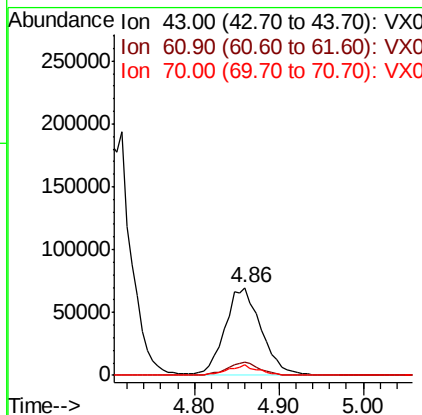
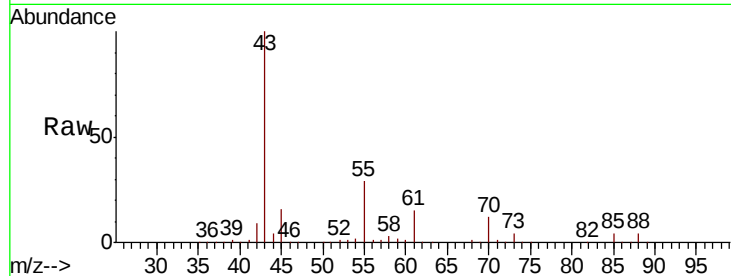
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	201708
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	10.2	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 40.431 ug/l

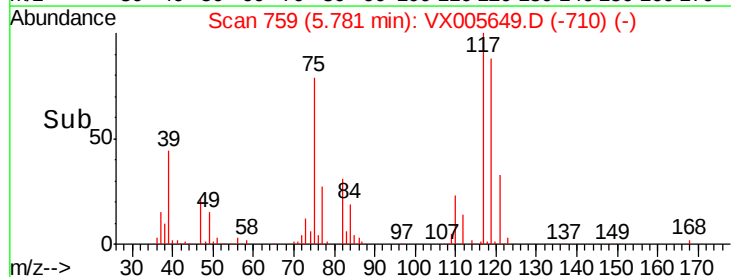
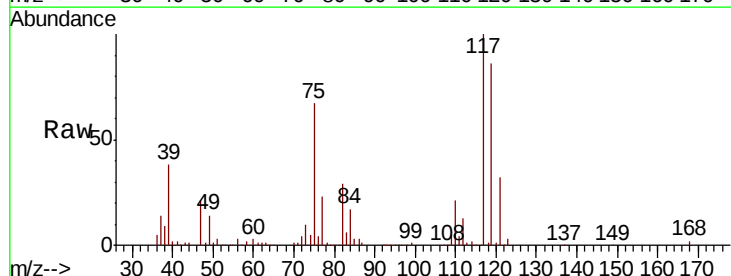
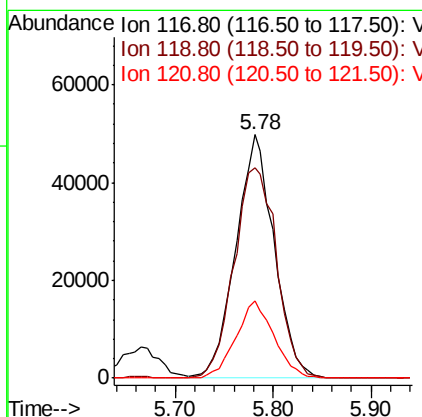
RT: 5.78 min Scan# 759

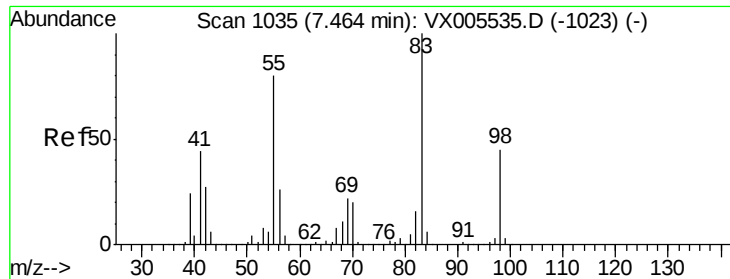
Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion:	117	Resp:	134675
Ion	Ratio	Lower	Upper
117	100		
119	86.2	78.1	117.1
121	31.9	24.6	36.8





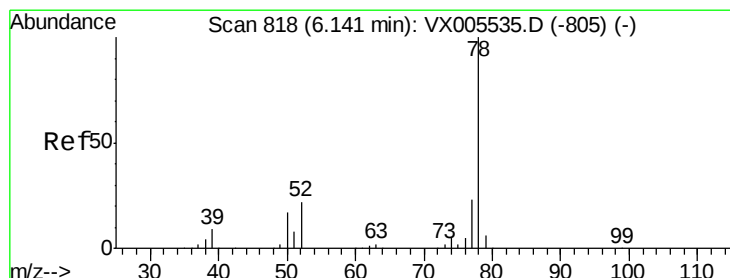
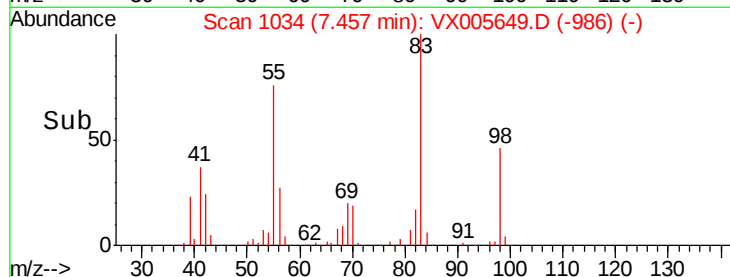
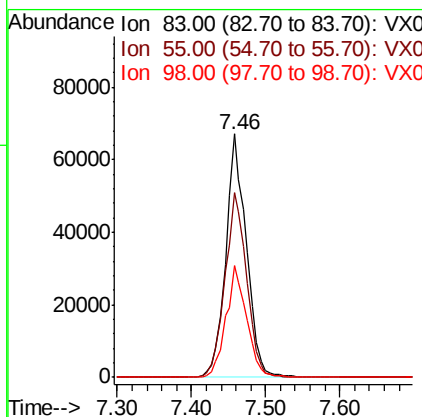
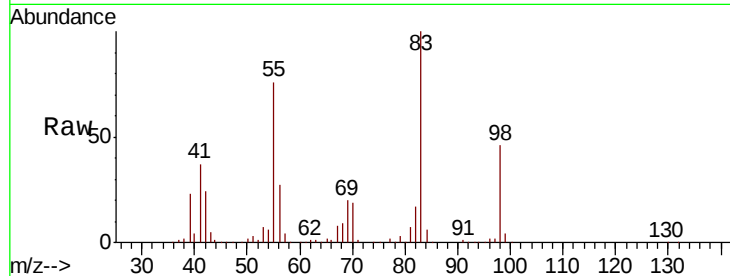
#39
Methvlcvclohexane
Concen: 37.143 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	63.7	95.5
98	46.1	36.2	54.2

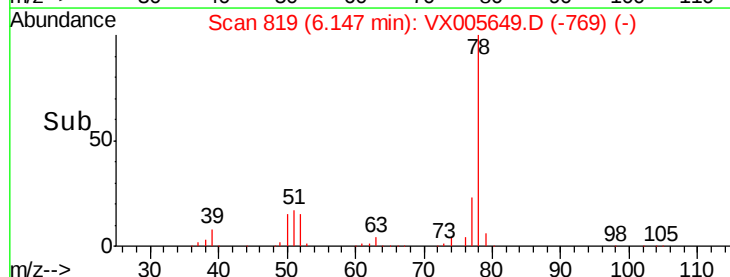
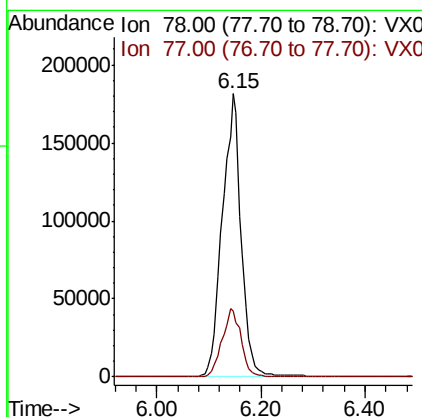
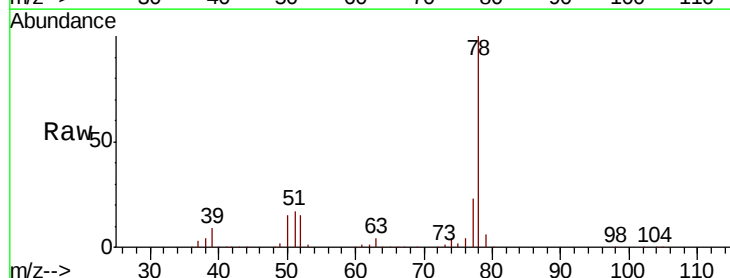
Manual Integrations
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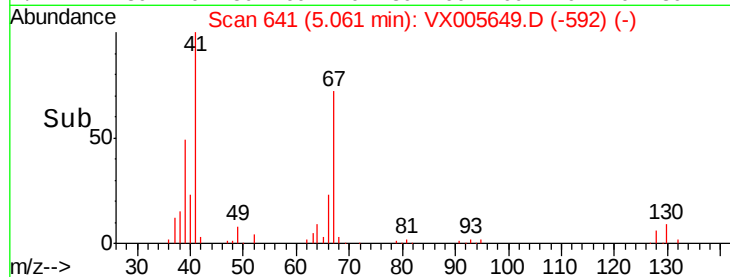
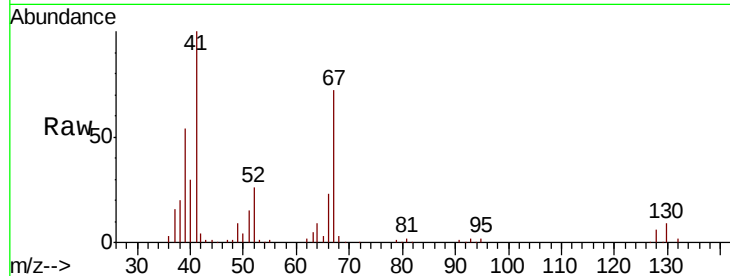
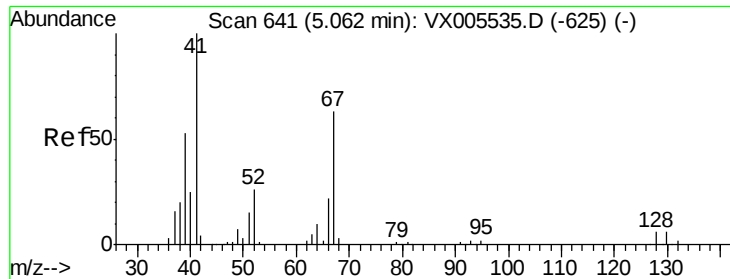
MMDadoda
10/29/2018 12:41:23 PM



#40
Benzene
Concen: 51.157 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

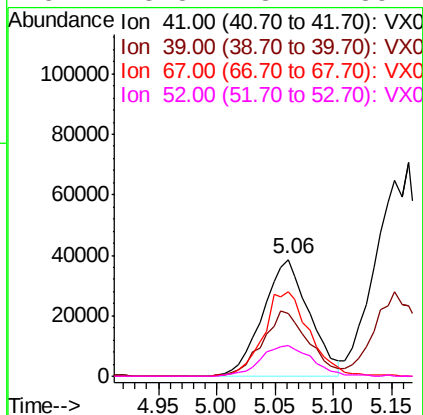
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6





#41
Methacrylonitrile
Concen: 47.636 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

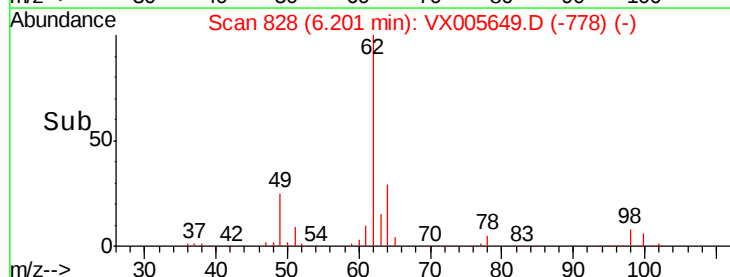
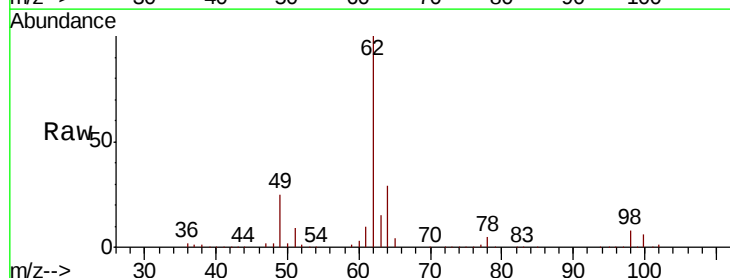
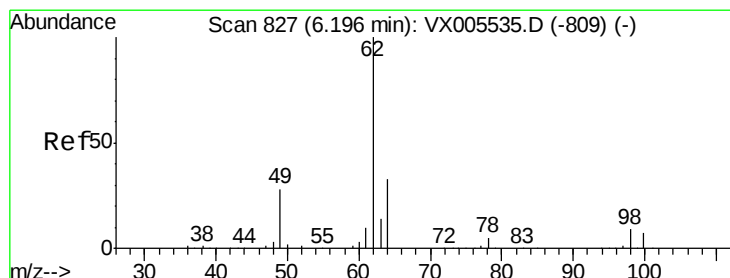
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	42.2	63.2	
67	71.9	53.4	80.0	
52	28.8	23.4	35.2	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

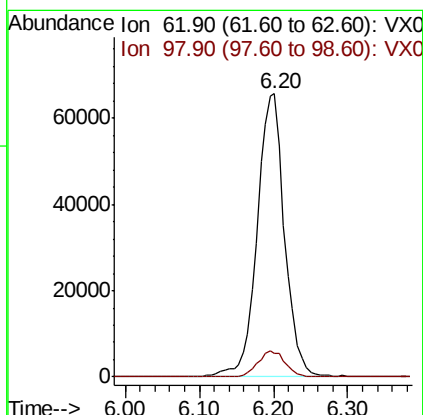
Manual Integrations
APPROVED

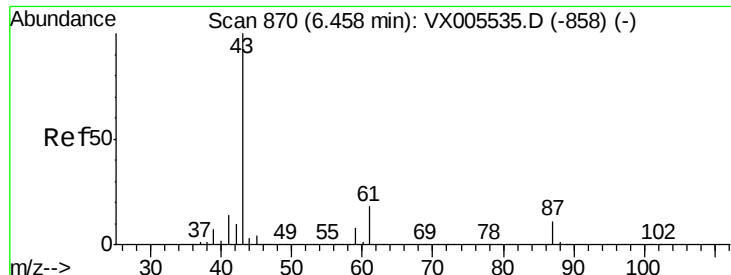
MMDadoda
10/29/2018 12:41:23 PM



#42
1,2-Dichloroethane
Concen: 49.097 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	





#43

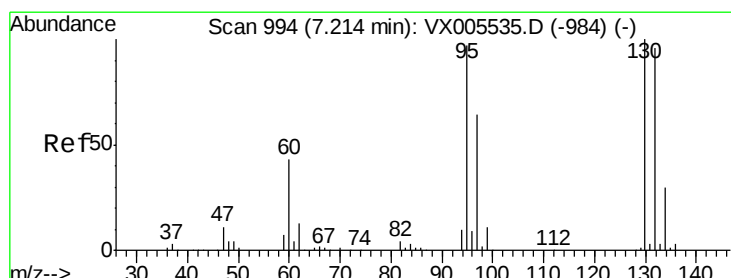
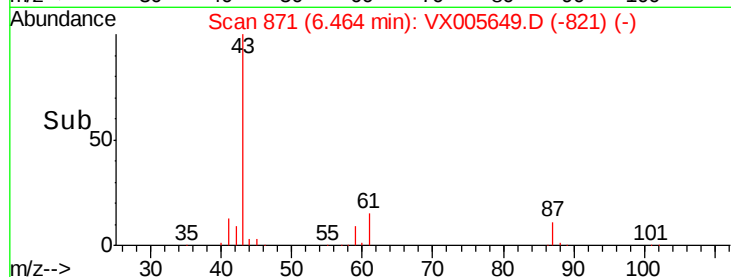
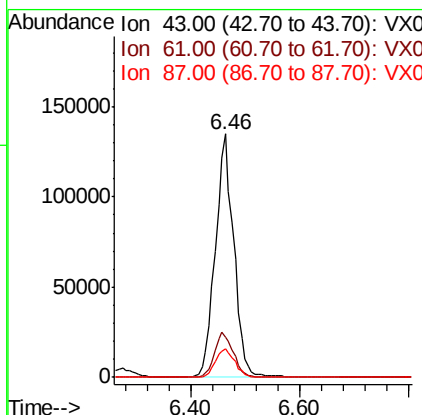
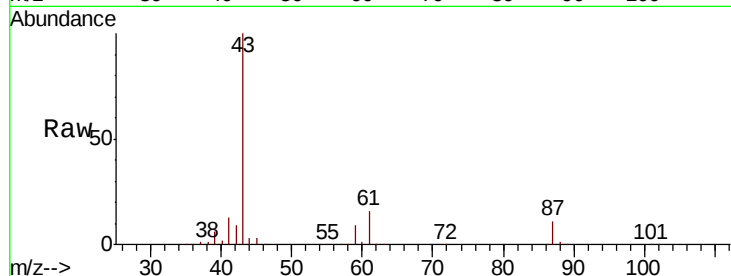
Isopropyl Acetate
 Concen: 52.308 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005649.D
 Acq: 27 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.6	22.0
87	12.3	9.6	14.4

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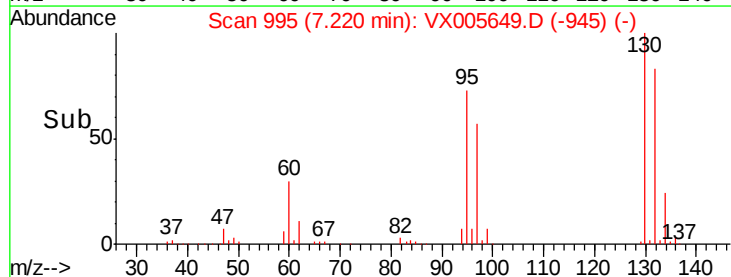
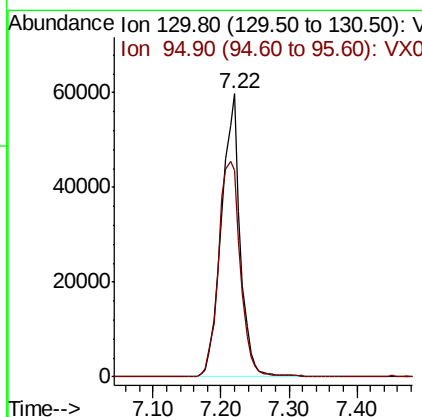
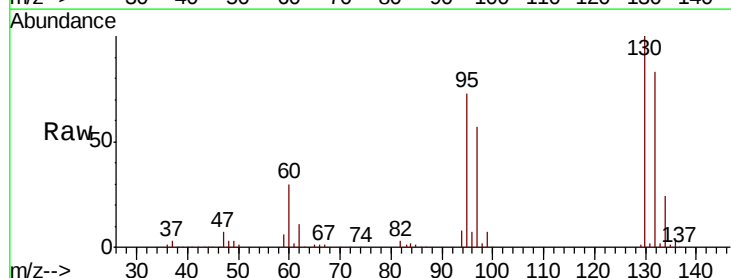
MMDadoda
 10/29/2018 12:41:23 PM



#44

Trichloroethene
 Concen: 46.649 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX005649.D
 Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	73.1	0.0	194.2





#45

1,2-Dichloropropane

Concen: 45.051 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 109808

Ion Ratio Lower Upper

63 100

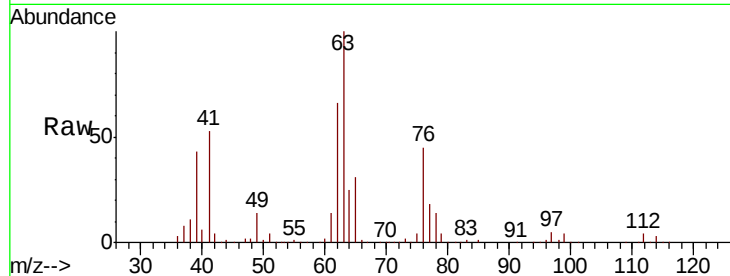
65 30.6 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

20000

10000

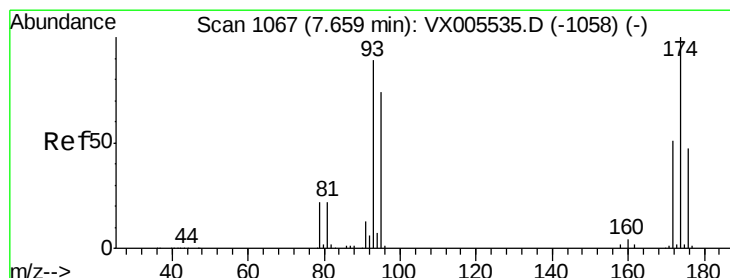
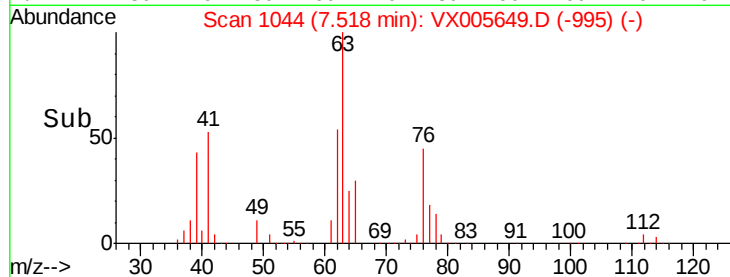
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 46.533 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

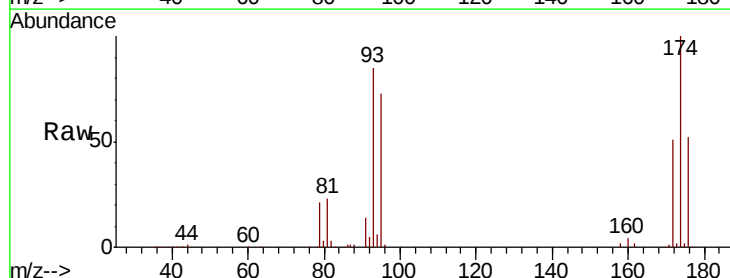
Tgt Ion: 93 Resp: 73254

Ion Ratio Lower Upper

93 100

95 87.1 67.4 101.0

174 122.7 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

20000

10000

0

7.55

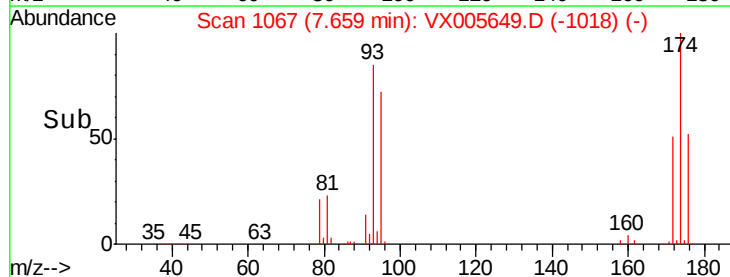
7.60

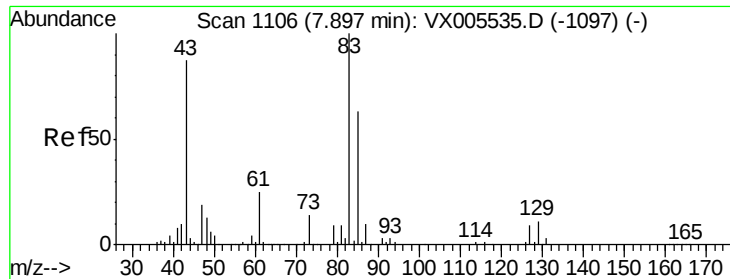
7.65

7.70

7.75

Time-->





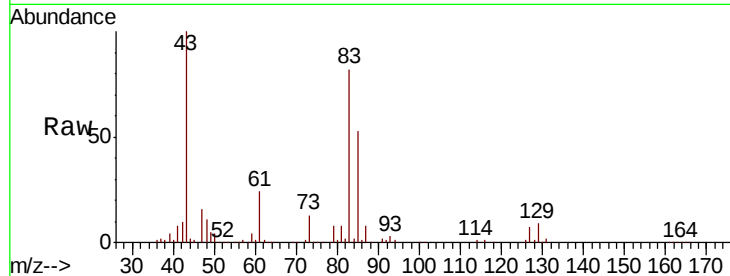
#47
Bromodichloromethane
Concen: 47.412 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.2	75.4
127	8.8	6.9	10.3

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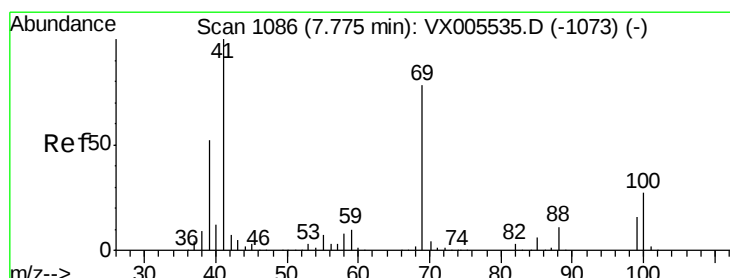
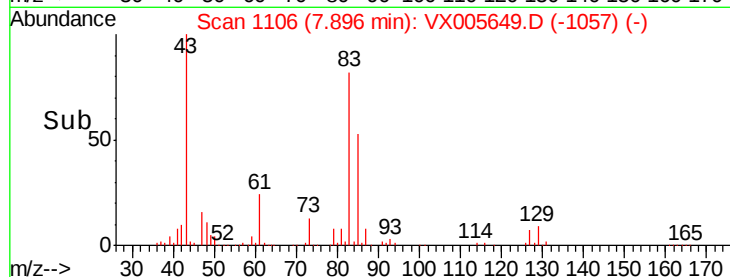
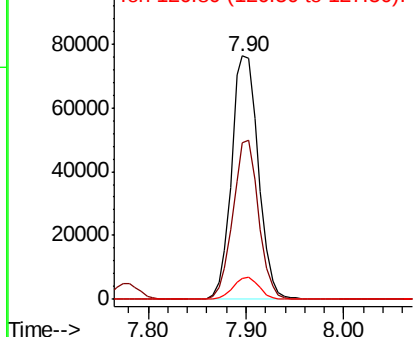


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48
Methyl methacrylate
Concen: 53.190 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

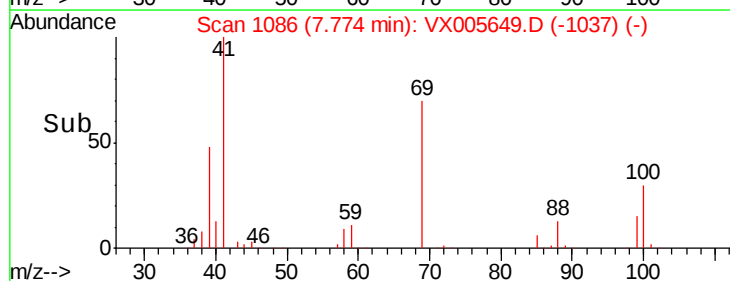
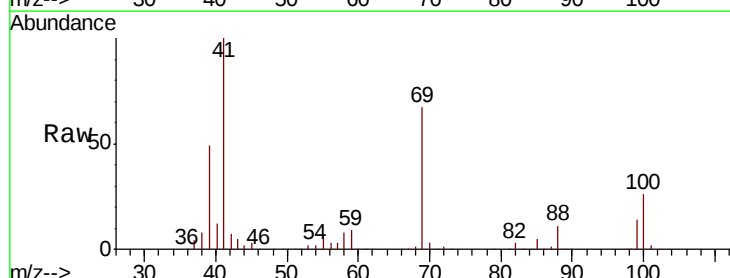
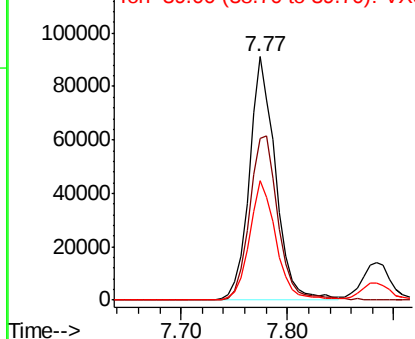
Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.3	63.2	94.8
39	49.5	42.2	63.2

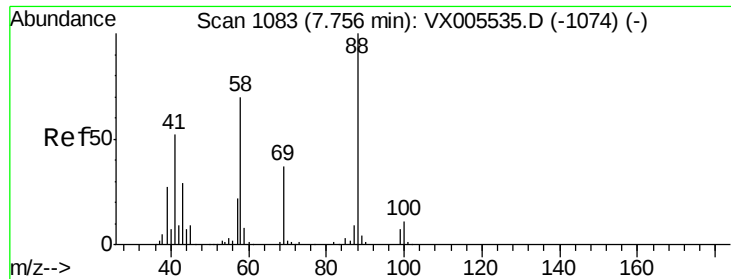
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1036.389 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

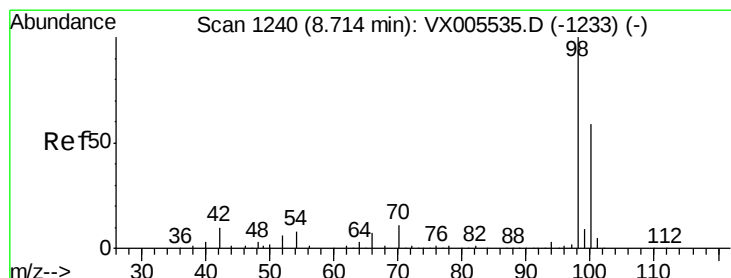
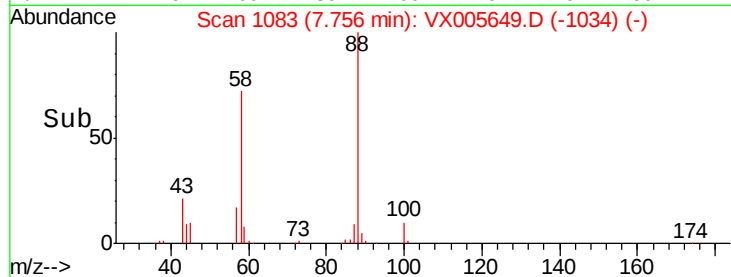
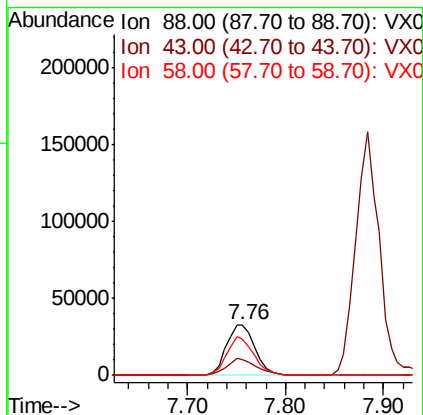
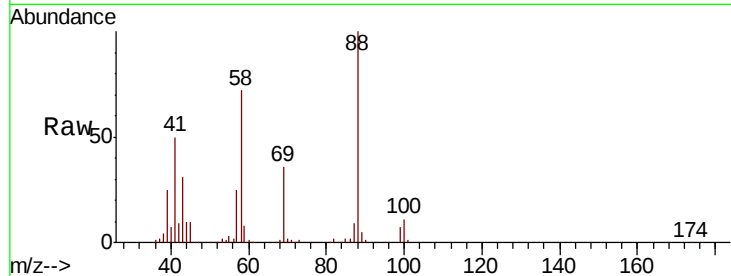
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	66727
Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.4	41.0
58	71.7	59.4	89.2

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#50

Toluene-d8

Concen: 42.908 ug/l

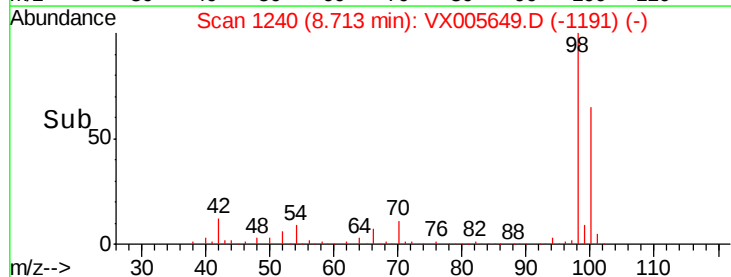
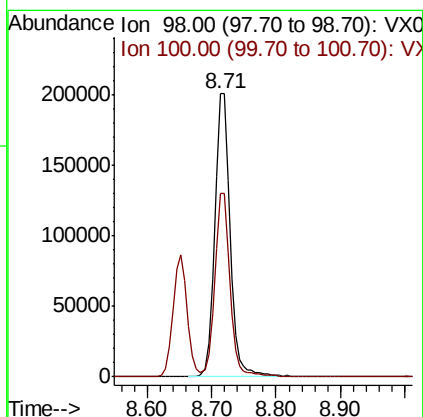
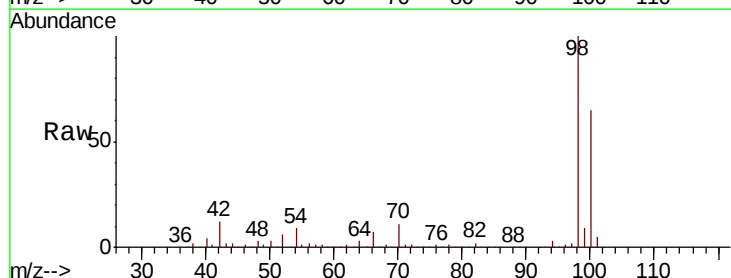
RT: 8.71 min Scan# 1240

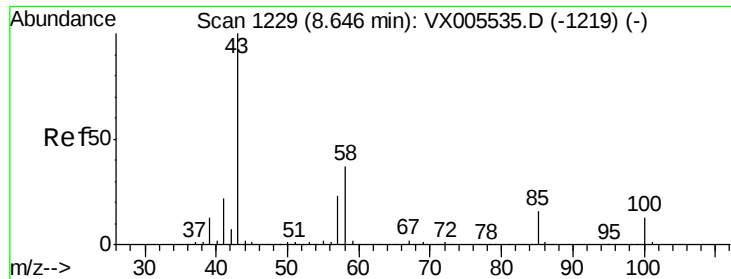
Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion:	98	Resp:	340215
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 241.867 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 983046

Ion Ratio Lower Upper

43 100

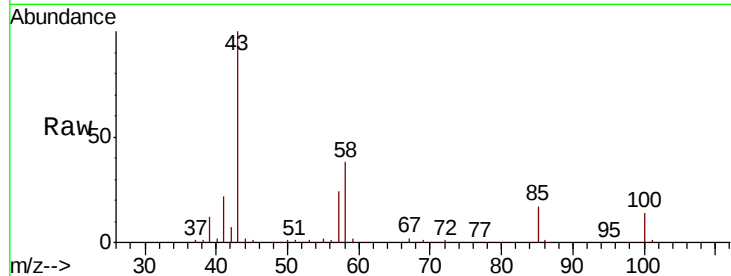
58 37.3 29.7 44.5

Manual Integrations

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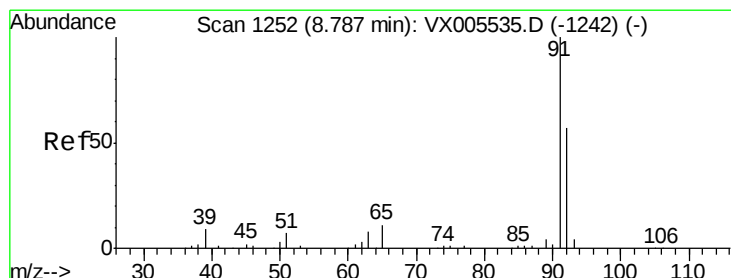
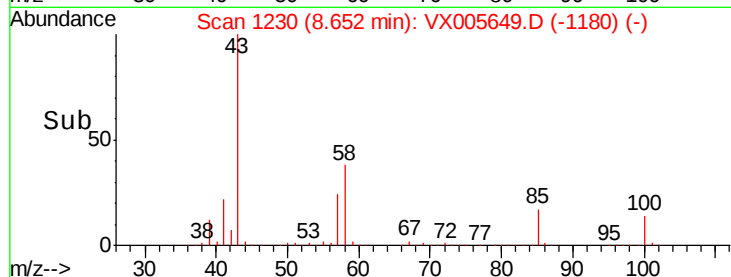
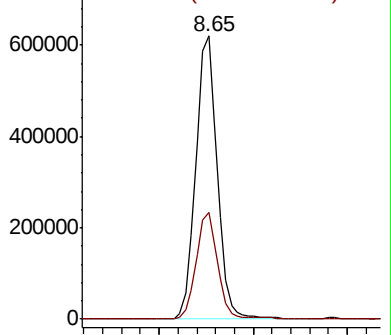
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 43.741 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005649.D

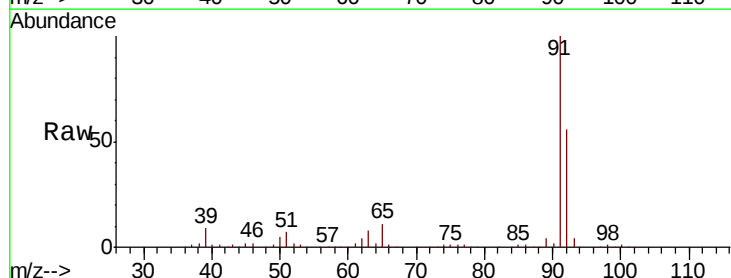
Acq: 27 Oct 2018 11:46

Tgt Ion: 92 Resp: 241005

Ion Ratio Lower Upper

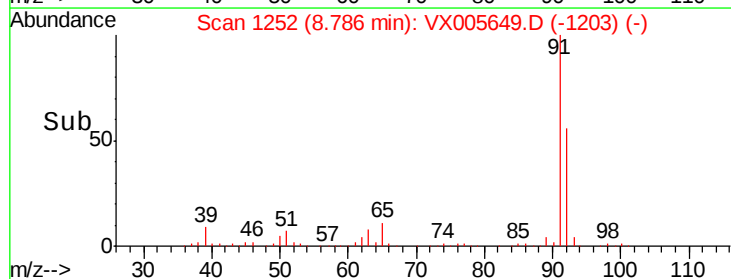
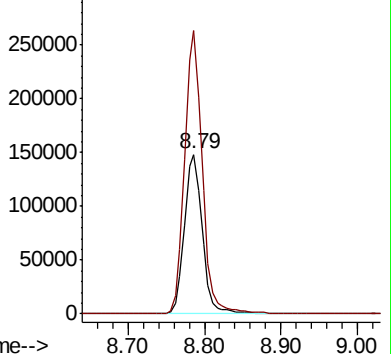
92 100

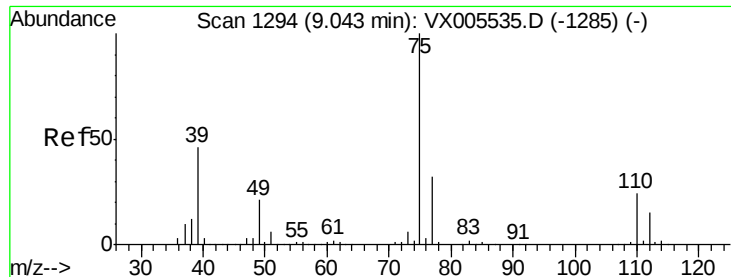
91 175.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 44.076 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tot Ion: 75 Resp: 145544

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

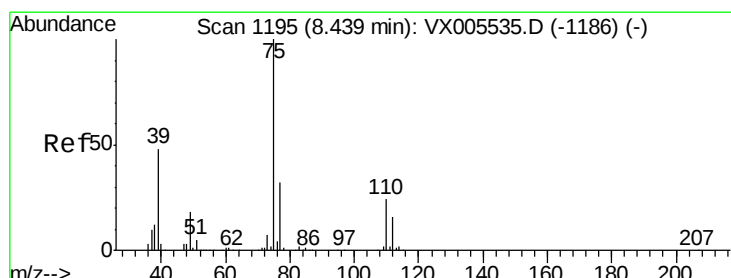
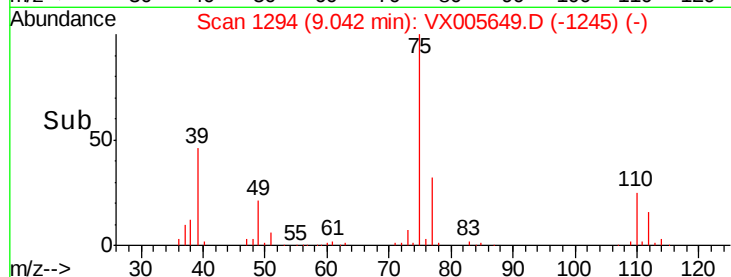
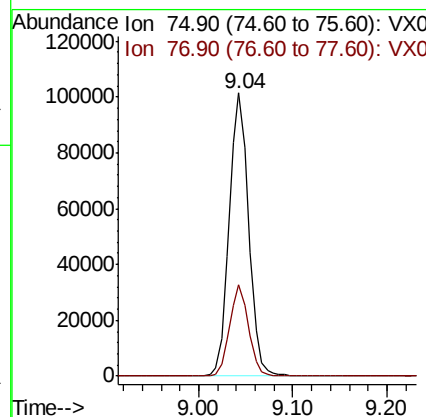
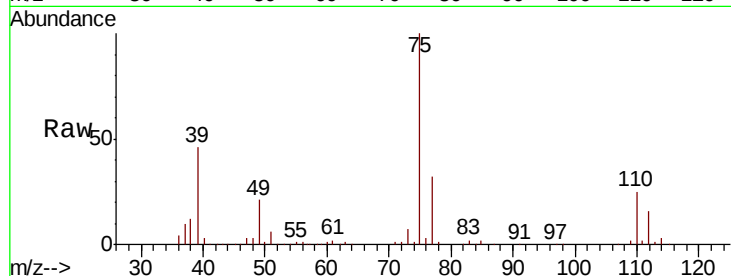
VSTDCCC050EC

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#54

cis-1,3-Dichloropropene

Concen: 43.898 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

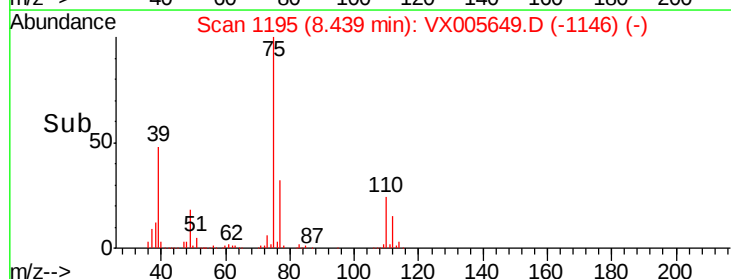
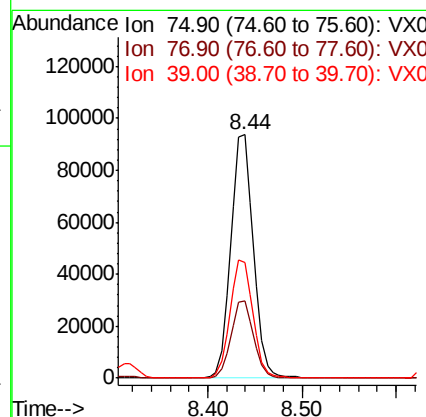
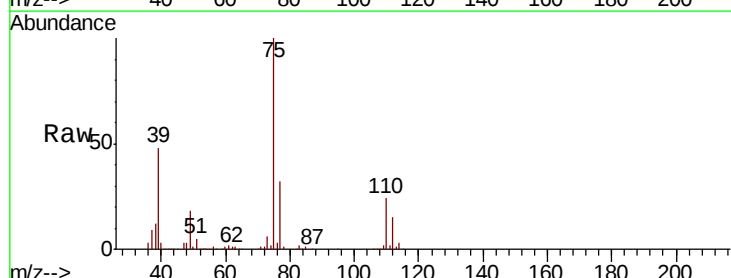
Tgt Ion: 75 Resp: 156067

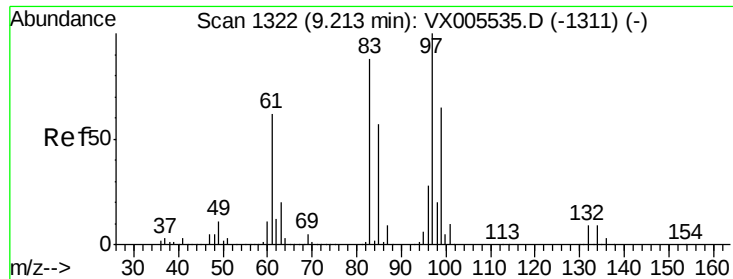
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 47.5 38.2 57.2





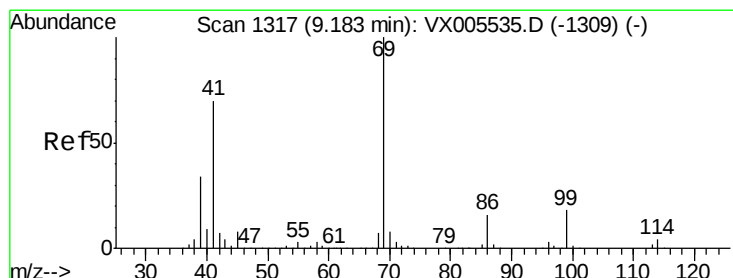
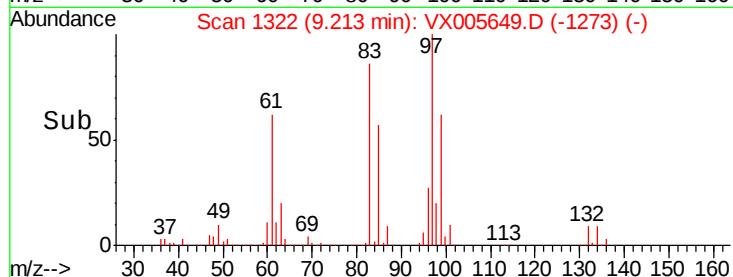
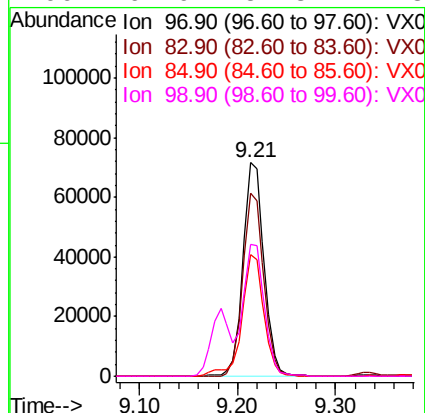
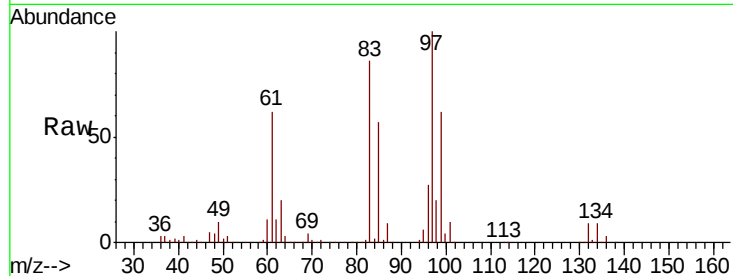
#55
1,1,2-Trichloroethane
Concen: 46.103 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	107097
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.7	106.1
85	56.9	45.8	68.6
99	61.9	51.8	77.8

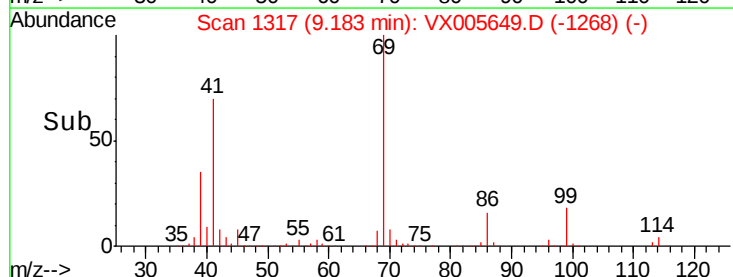
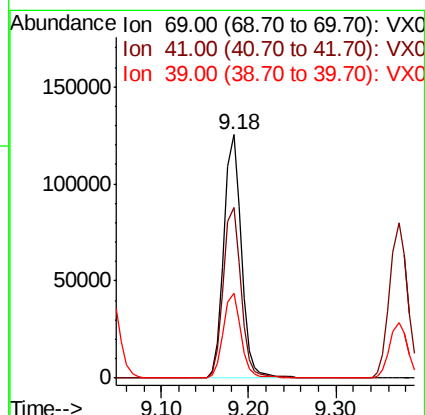
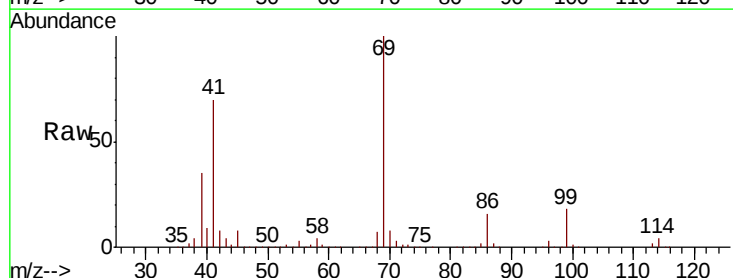
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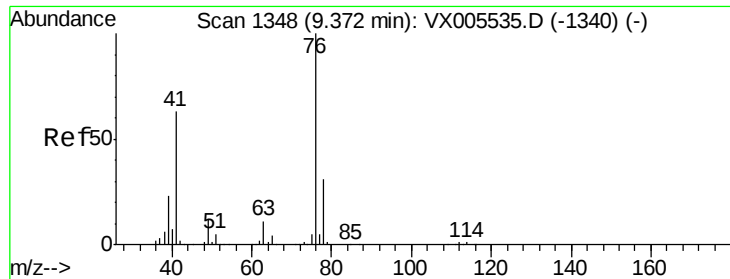
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#56
Ethyl methacrylate
Concen: 50.135 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion:	69	Resp:	173716
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.0	85.6
39	35.0	28.3	42.5





#57

1,3-Dichloropropane

Concen: 45.916 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 180478

Ion Ratio Lower Upper

76 100

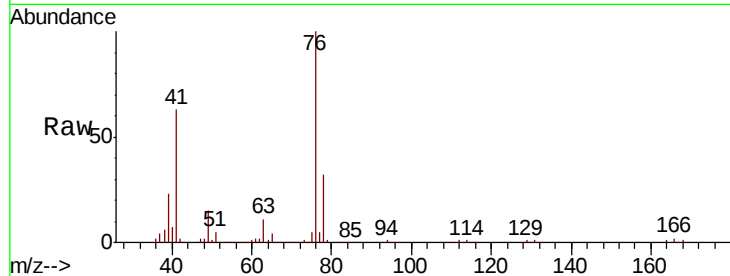
78 32.0 25.3 37.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

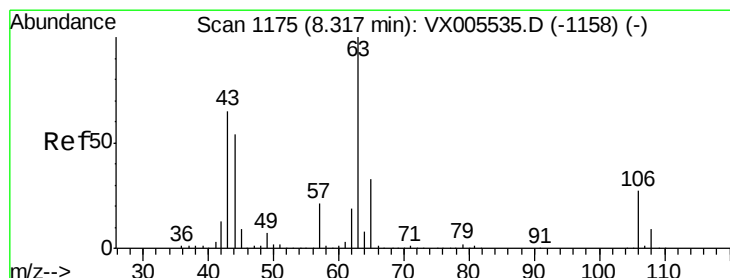
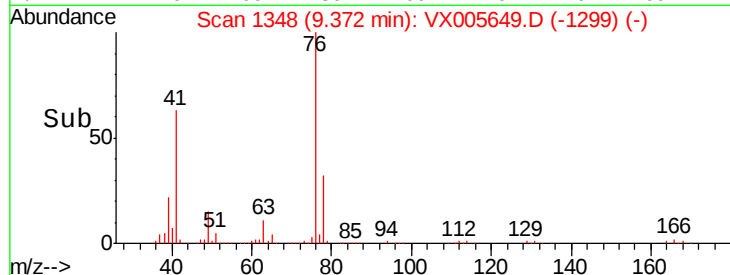
100000

50000

0

Time-->

9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 235.097 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005649.D

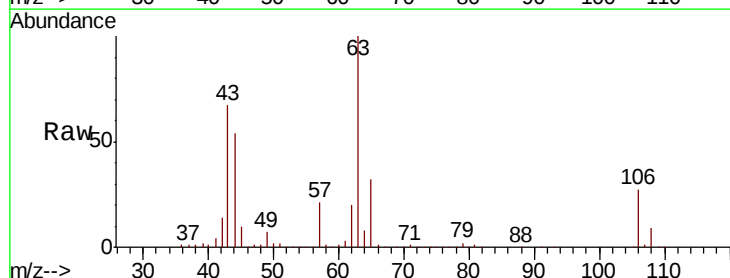
Acq: 27 Oct 2018 11:46

Tgt Ion: 63 Resp: 454962

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

300000

250000

200000

150000

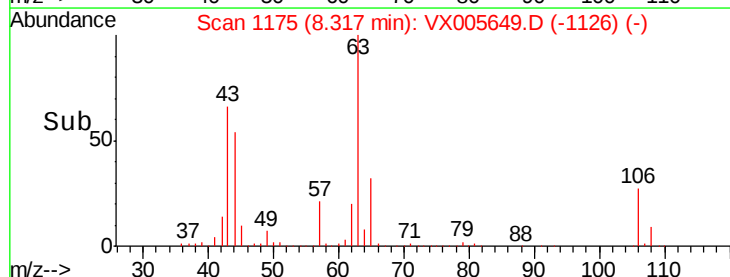
100000

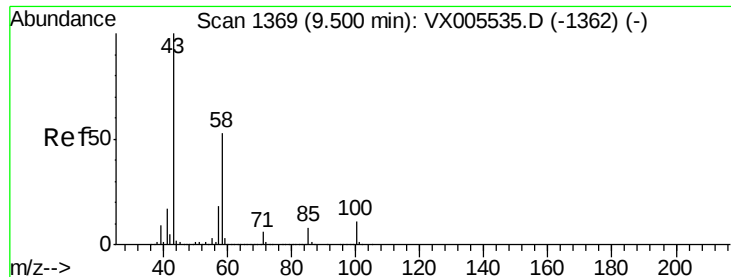
50000

0

Time-->

8.20 8.30 8.40





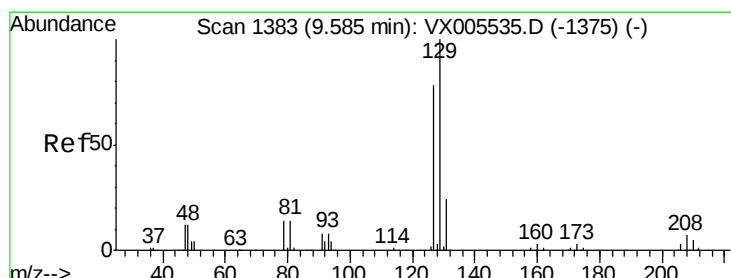
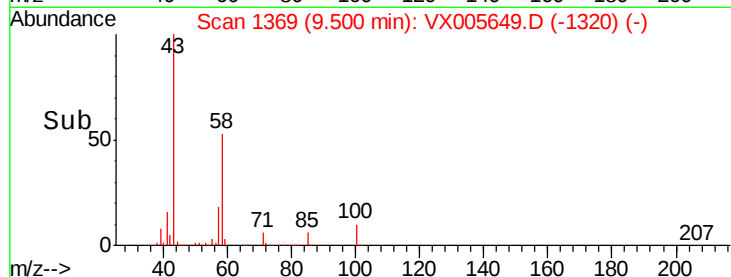
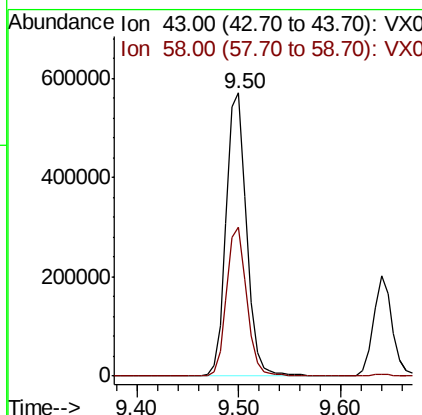
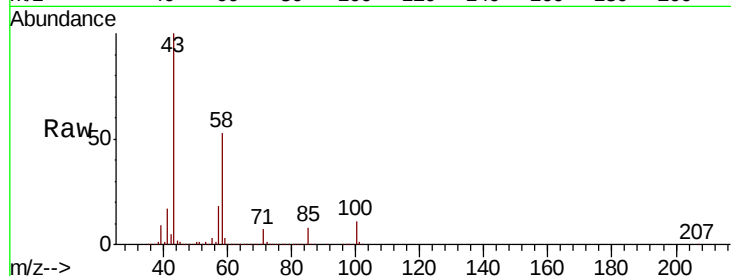
#59
2-Hexanone
Concen: 246.287 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 789245
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.8

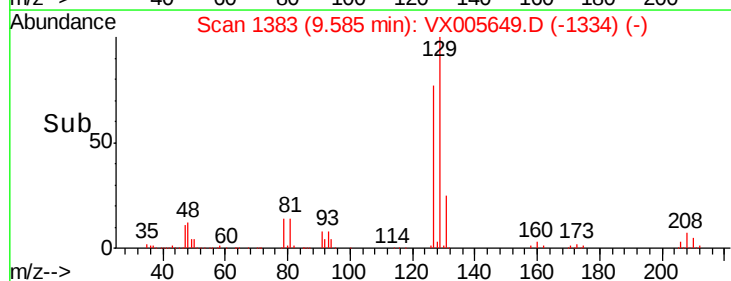
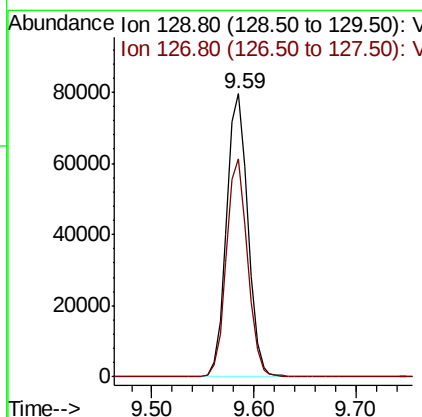
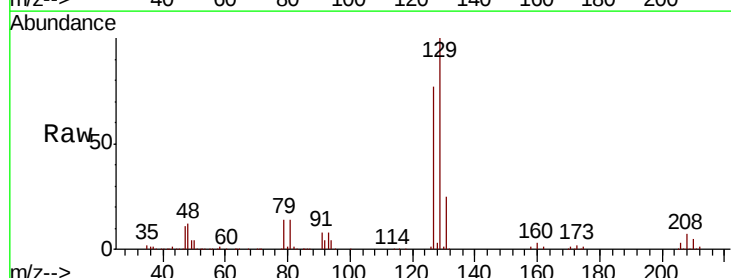
Manual Integrations
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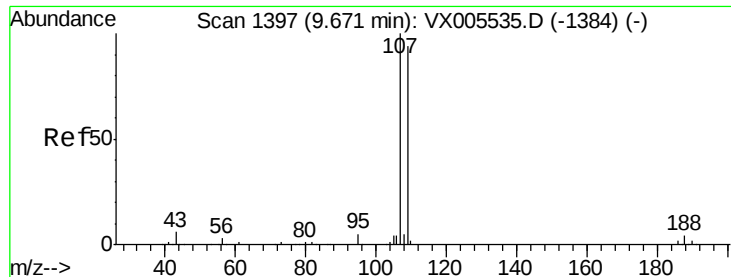
MMDadoda
10/29/2018 12:41:23 PM



#60
Dibromochloromethane
Concen: 47.325 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion: 129 Resp: 114700
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 46.462 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 111659

Ion Ratio Lower Upper

107 100

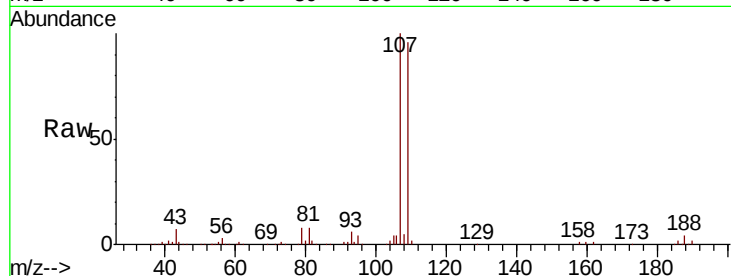
109 95.2 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

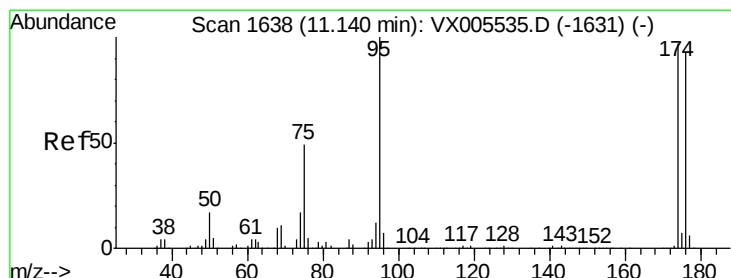
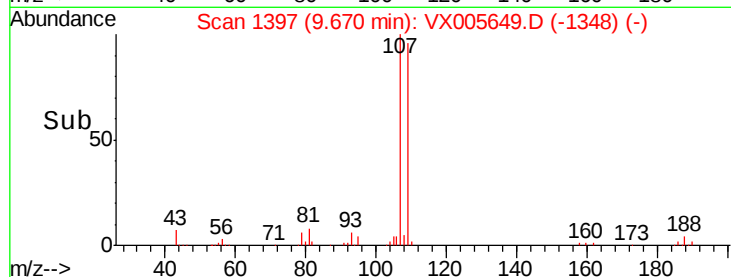
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 43.852 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

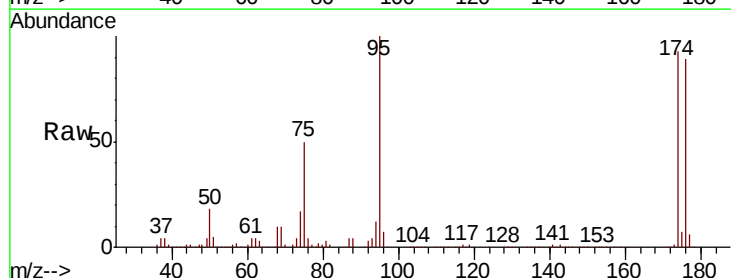
Tgt Ion: 95 Resp: 131309

Ion Ratio Lower Upper

95 100

174 91.1 0.0 184.4

176 88.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

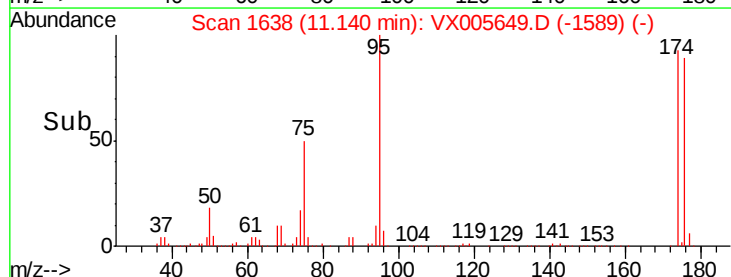
100000

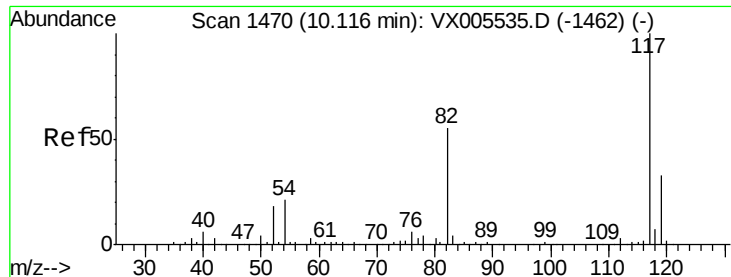
50000

0

11.10 11.20

Time-->





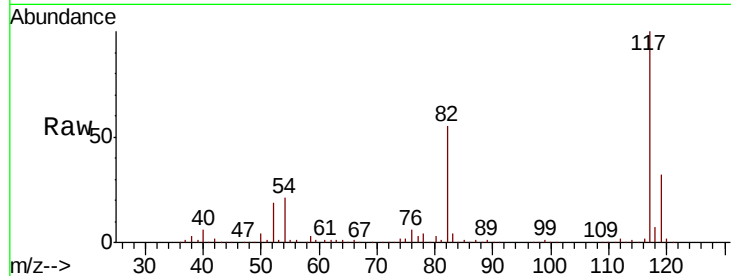
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.1	66.1
119	32.2	26.2	39.2

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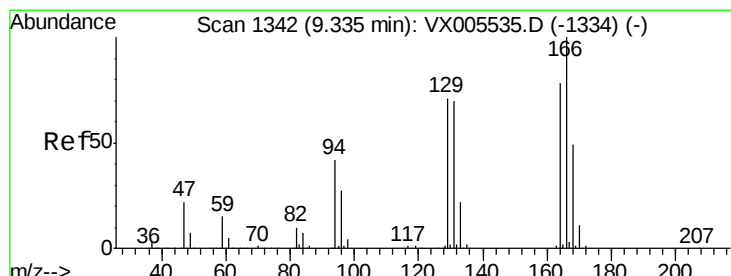
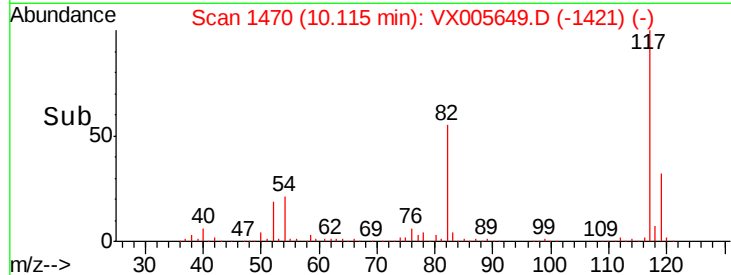
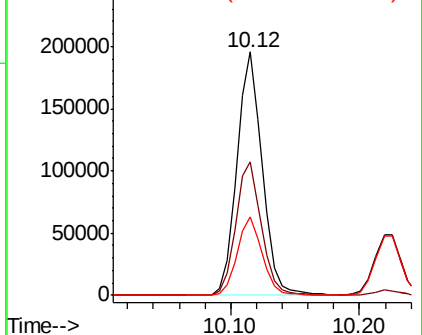


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 45.869 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.9	152.9
129	91.3	72.6	109.0
131	86.9	71.1	106.7

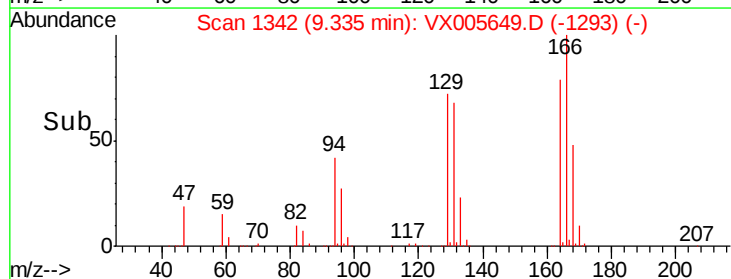
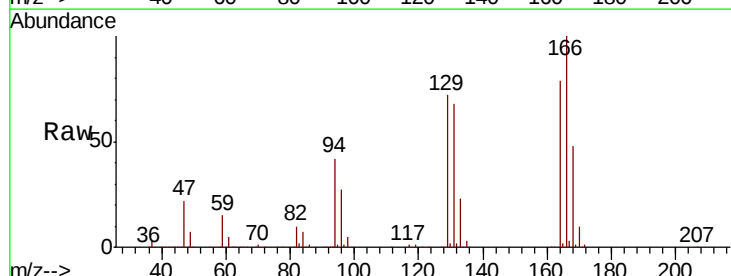
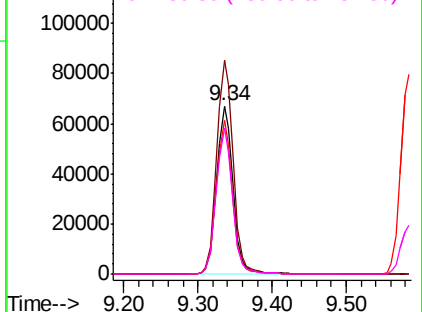
Abundance

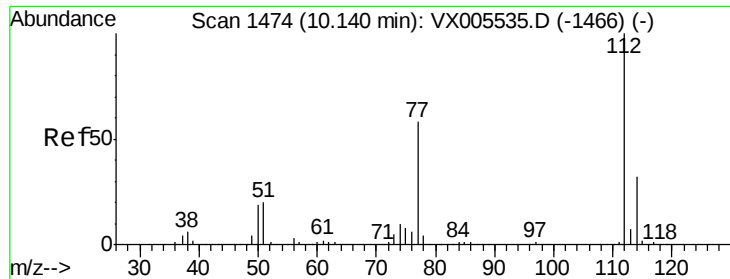
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





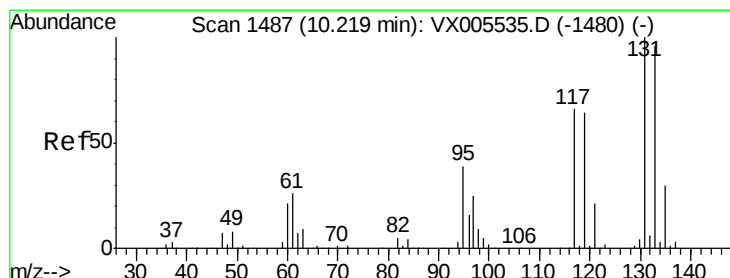
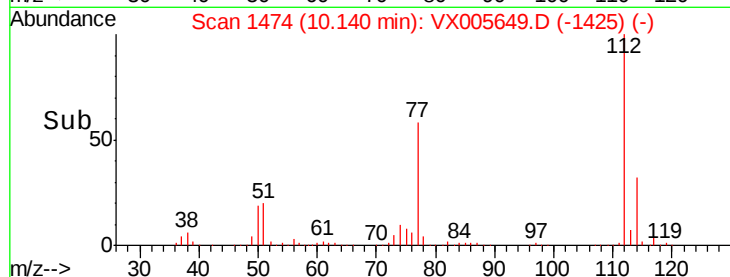
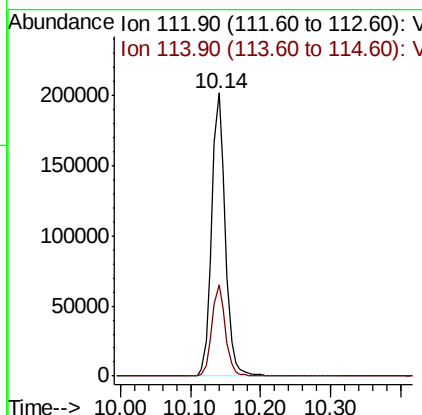
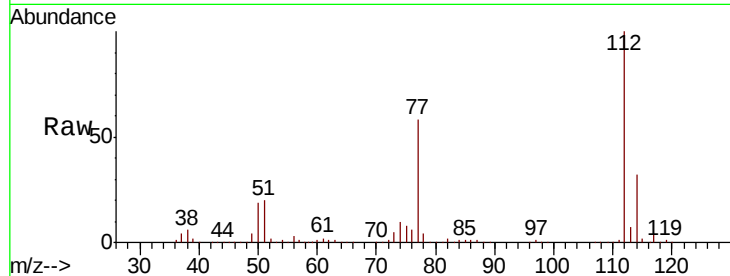
#65
Chlorobenzene
Concen: 48.295 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 273412
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

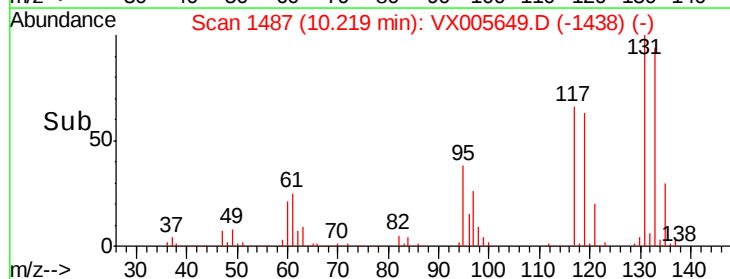
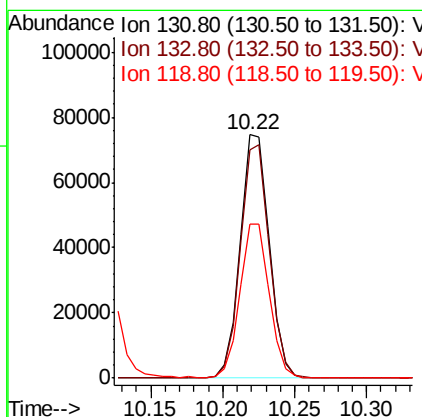
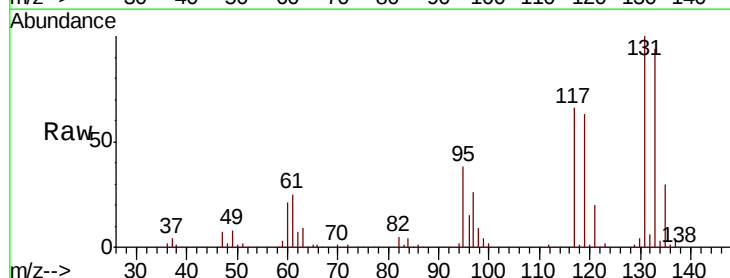
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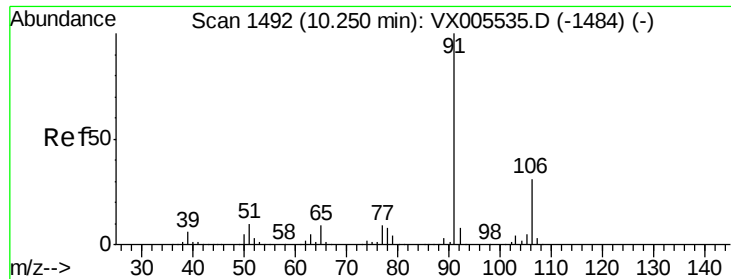
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.517 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion:131 Resp: 104282
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 64.1 31.8 95.3





#67

Ethyl Benzene

Concen: 48.774 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 454305

Ion Ratio Lower Upper

91 100

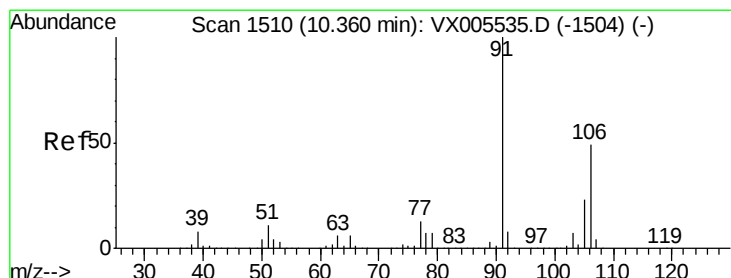
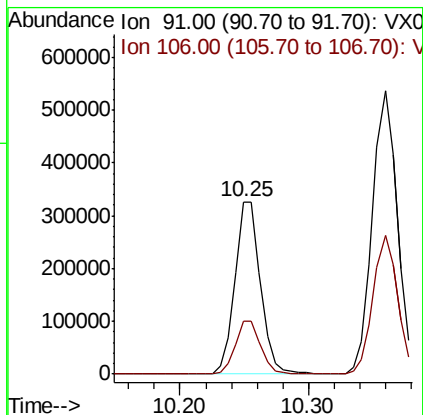
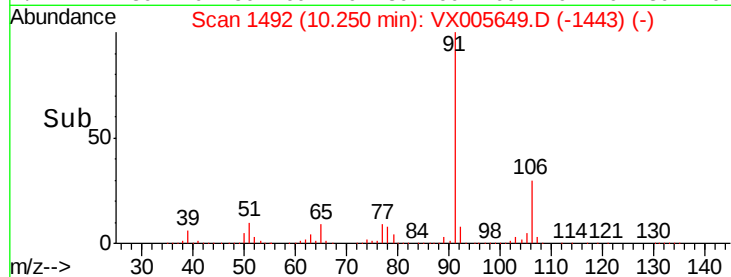
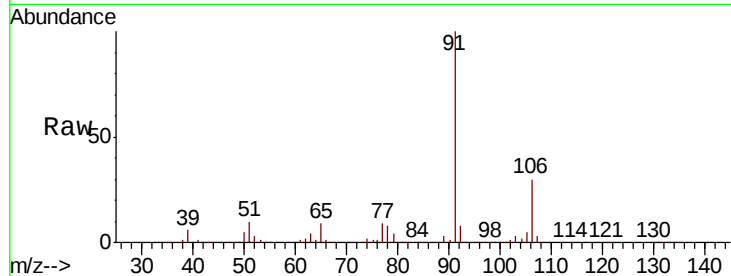
106 30.4 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.130 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005649.D

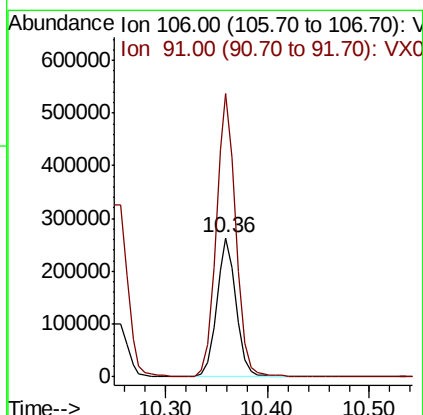
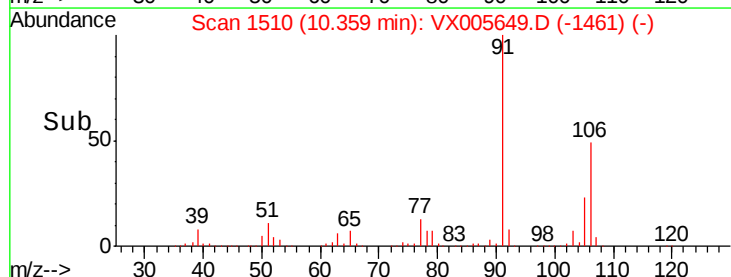
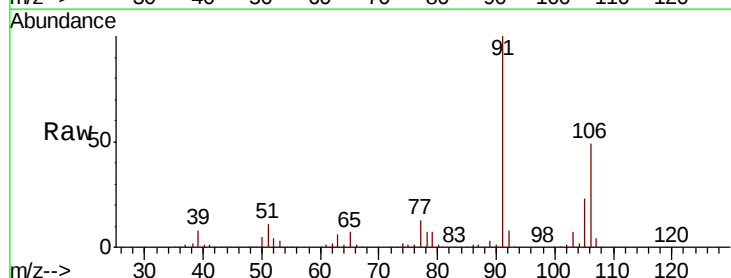
Acq: 27 Oct 2018 11:46

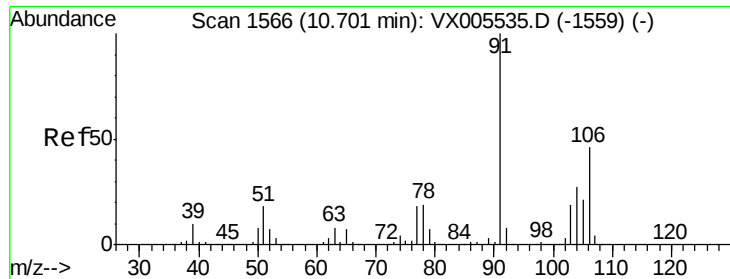
Tgt Ion: 106 Resp: 351003

Ion Ratio Lower Upper

106 100

91 206.1 164.2 246.4





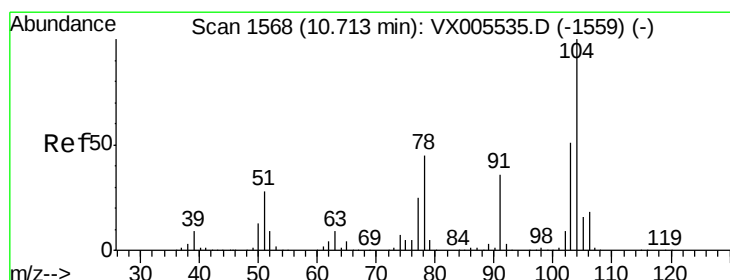
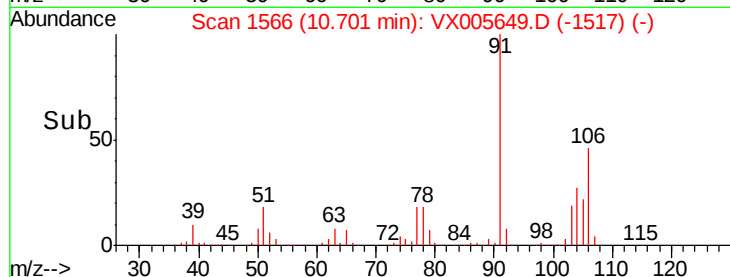
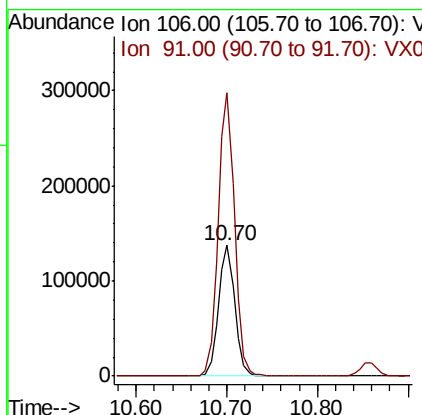
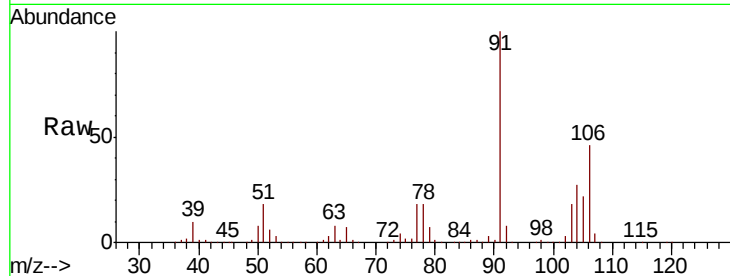
#69
o-Xylene
Concen: 50.969 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 173289
Ion Ratio Lower Upper
106 100
91 217.8 108.5 325.5

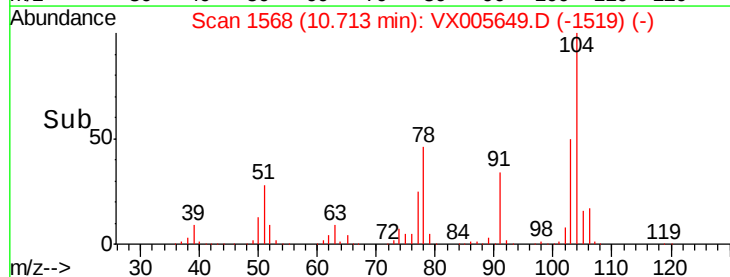
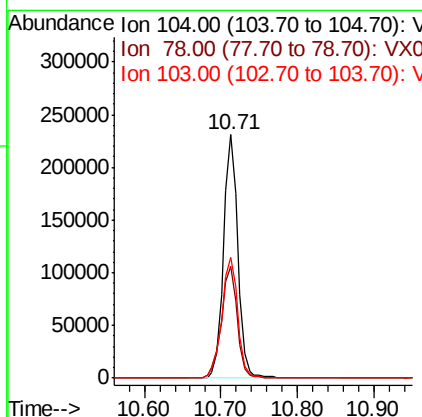
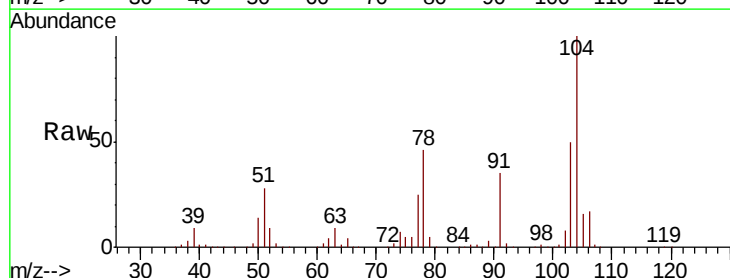
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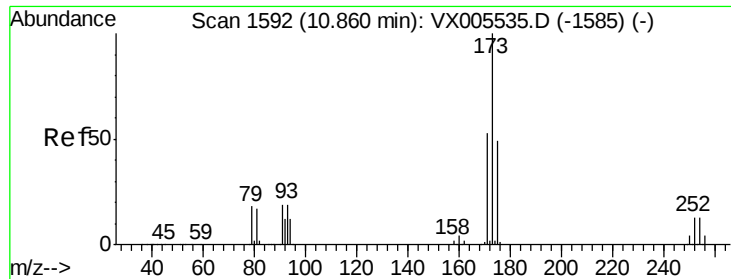
MMDadoda
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#70
Styrene
Concen: 52.552 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion:104 Resp: 299103
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.4
103 55.1 44.9 67.3





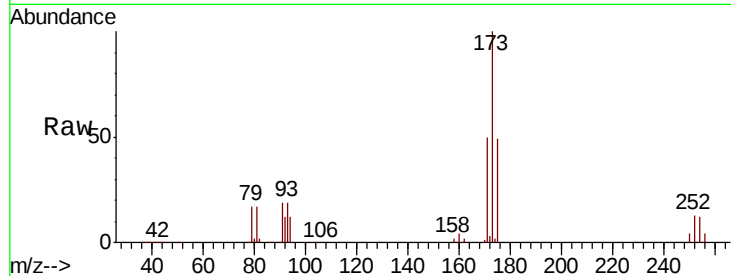
#71
Bromoform
Concen: 52.975 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.8	74.3
254	0.2	0.2	0.2

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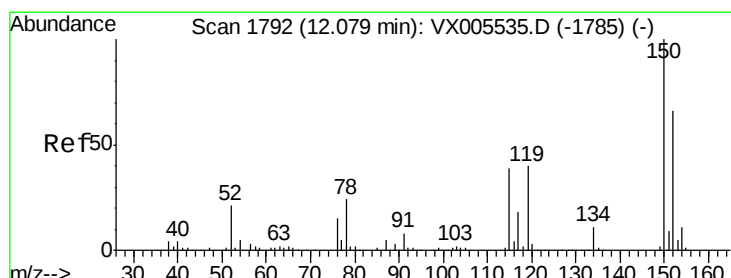
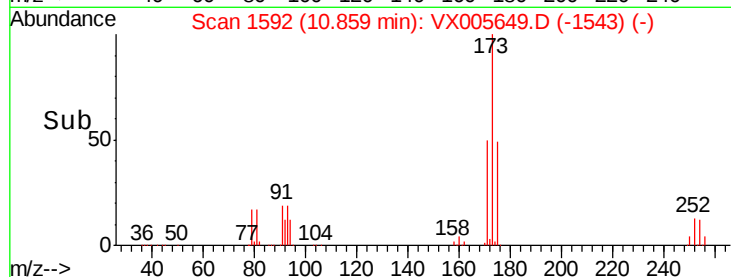
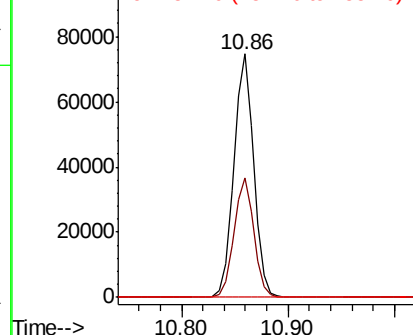


Abundance

Ion 172.70 (172.40 to 173.40): V

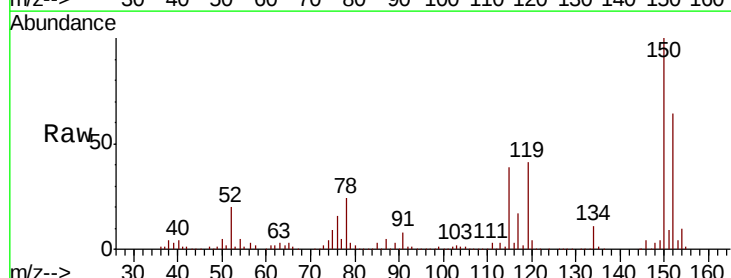
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.4	39.4	118.1
150	172.6	0.0	346.4

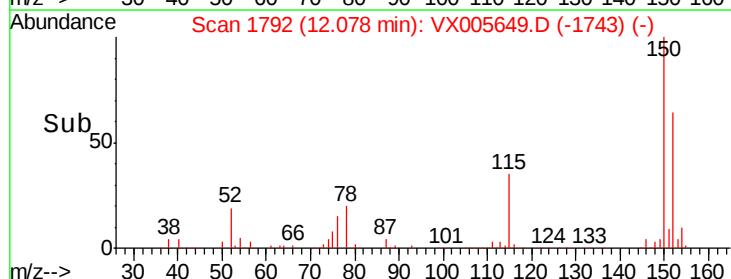
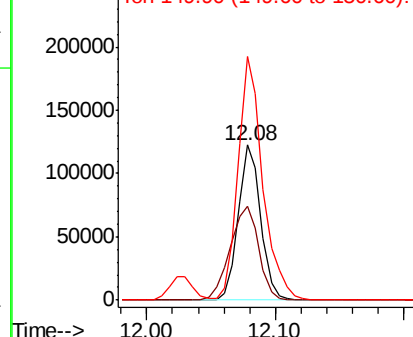


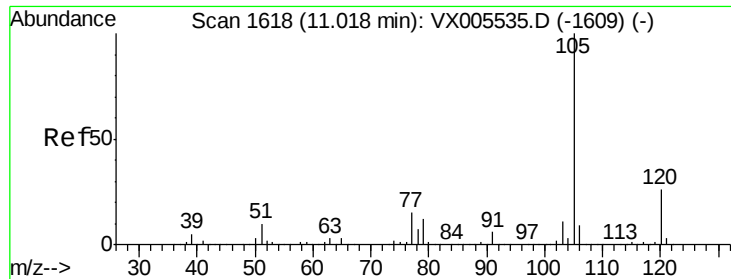
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.209 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 448663

Ion Ratio Lower Upper

105 100

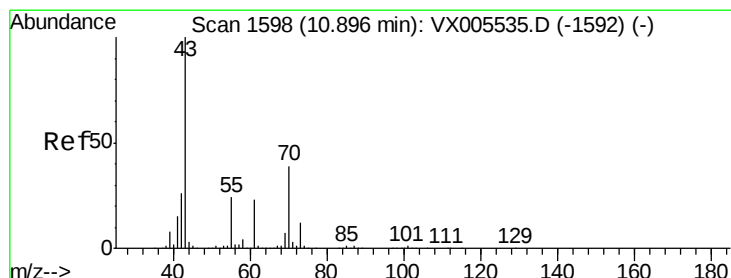
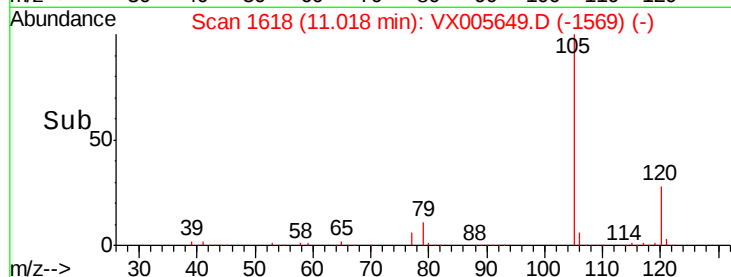
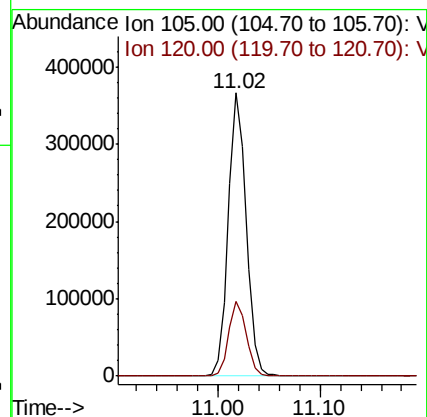
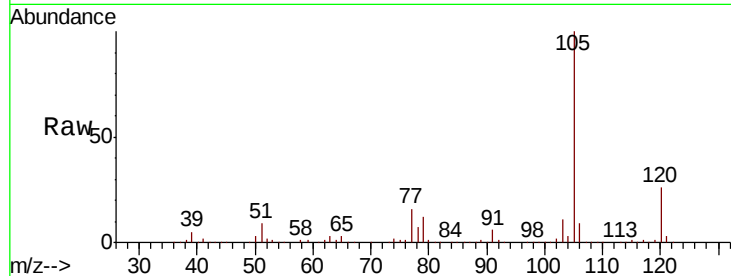
120 26.3 13.1 39.3

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#74

N-ethyl acetate

Concen: 57.598 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion: 43 Resp: 260214

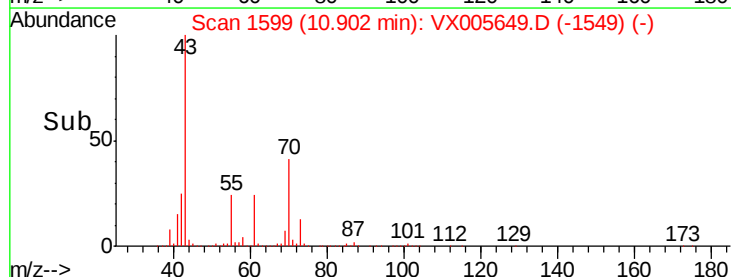
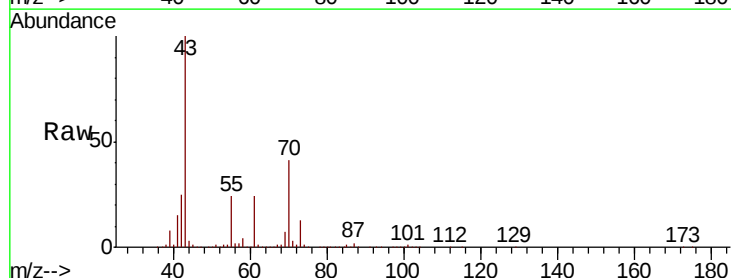
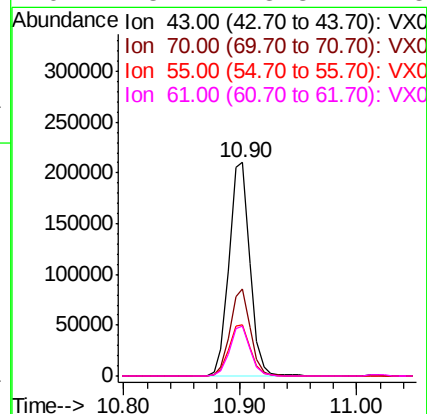
Ion Ratio Lower Upper

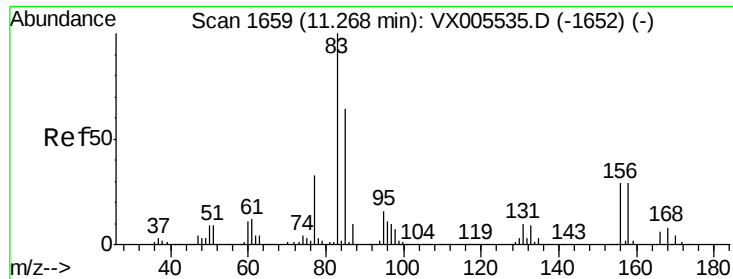
43 100

70 40.0 31.6 47.4

55 24.7 19.7 29.5

61 23.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.508 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

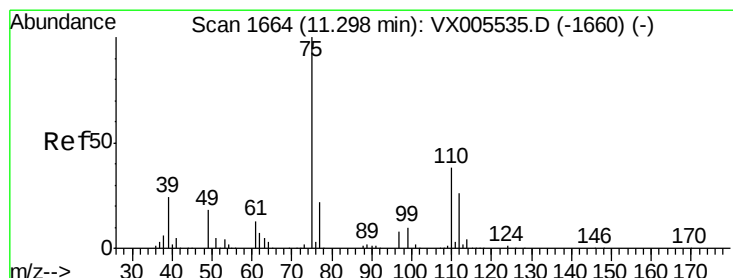
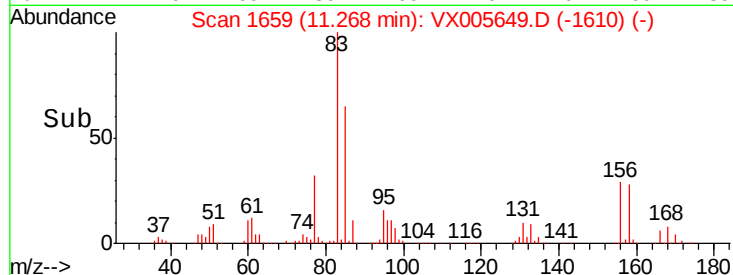
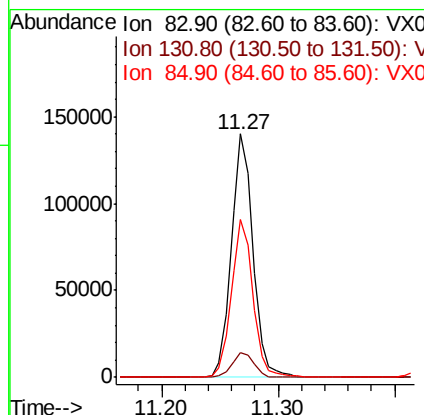
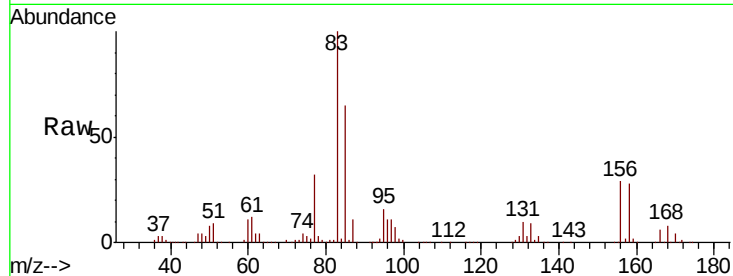
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	179986
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	64.8	32.0	96.2

Manual Integrations
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10/29/2018 12:41:23 PM



#76

1,2,3-Trichloropropane

Concen: 51.770 ug/l m

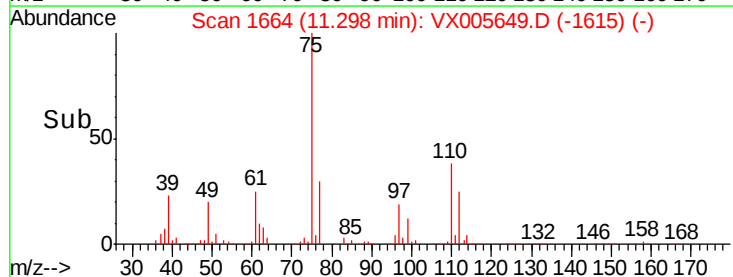
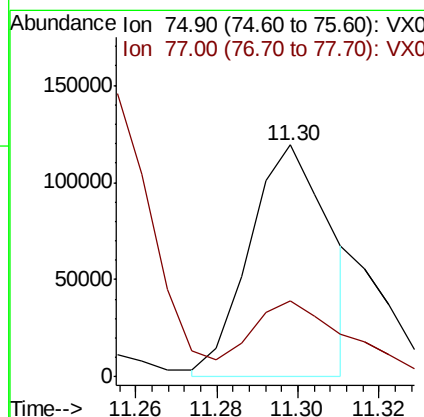
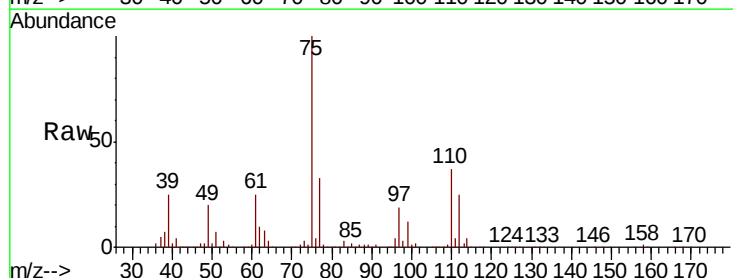
RT: 11.30 min Scan# 1664

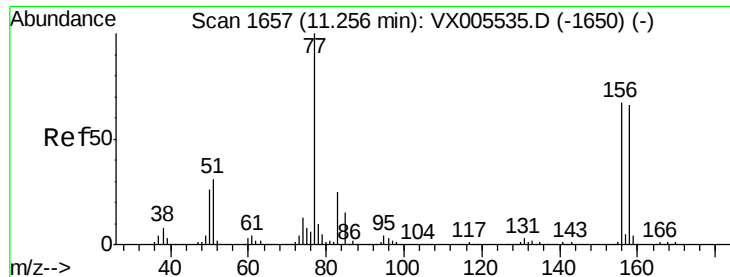
Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion:	75	Resp:	163605
Ion	Ratio	Lower	Upper
75	100		
77	40.1	20.5	61.6





#77

Bromobenzene

Concen: 50.960 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 129488

Ion Ratio Lower Upper

156 100

77 147.6 74.8 224.4

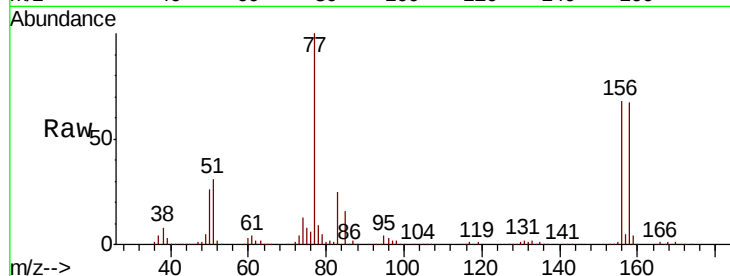
158 98.3 49.1 147.3

Manual Integrations

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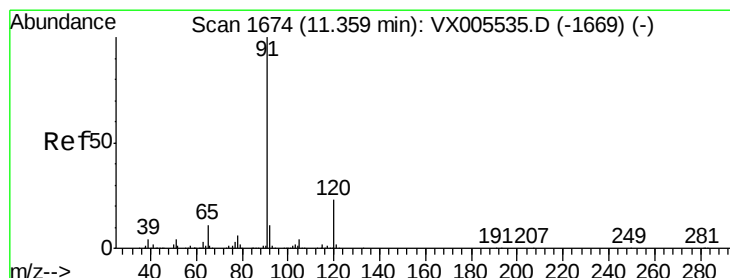
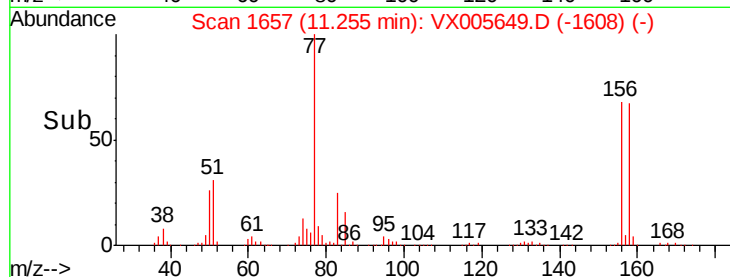
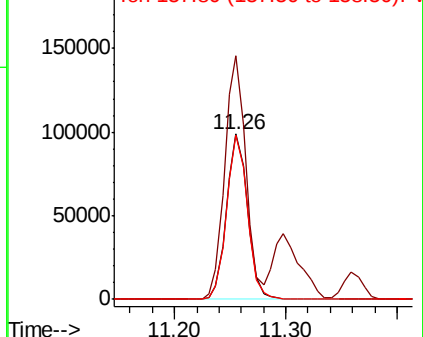
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.893 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005649.D

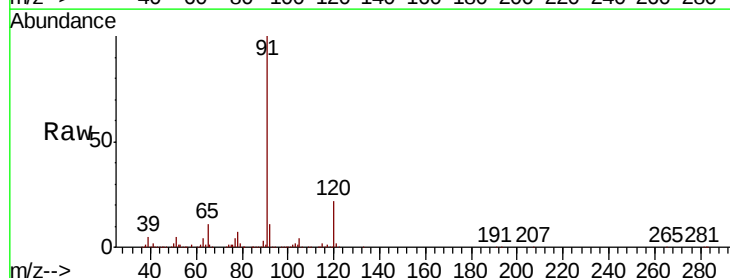
Acq: 27 Oct 2018 11:46

Tgt Ion: 91 Resp: 509741

Ion Ratio Lower Upper

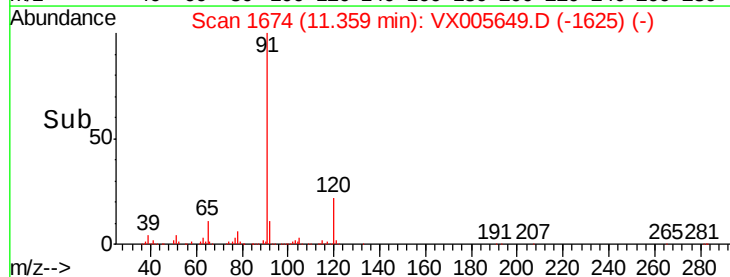
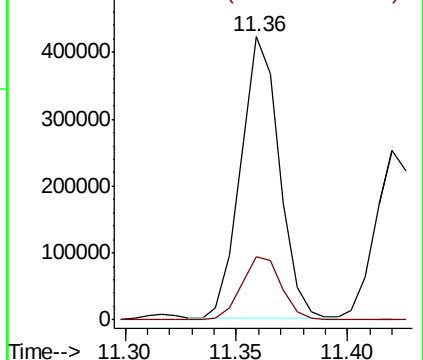
91 100

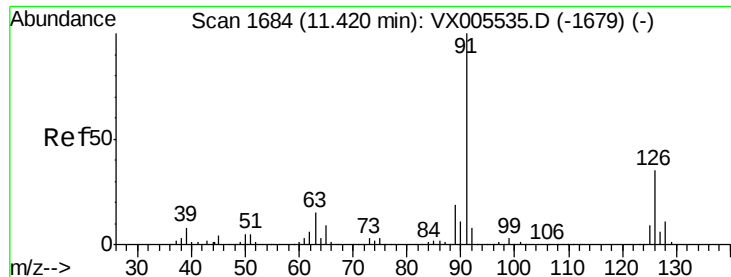
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.268 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 318479

Ion Ratio Lower Upper

91 100

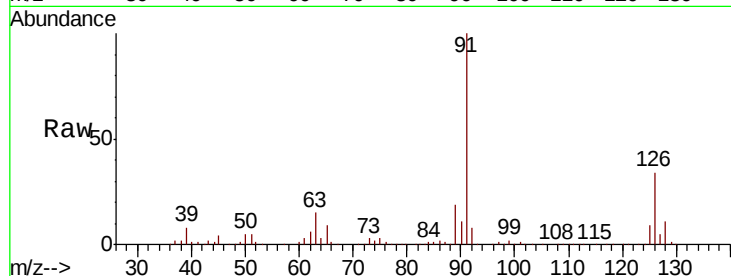
126 34.4 17.3 52.0

Manual Integrations

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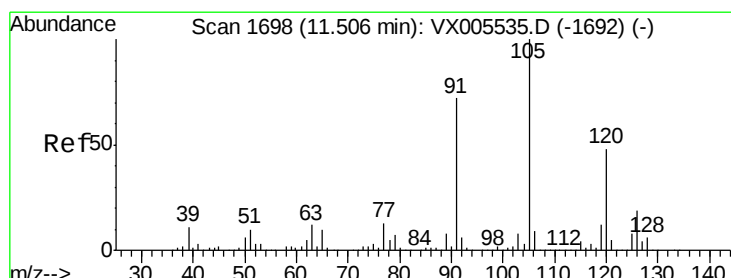
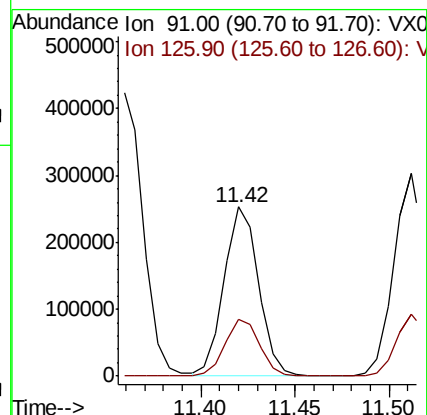
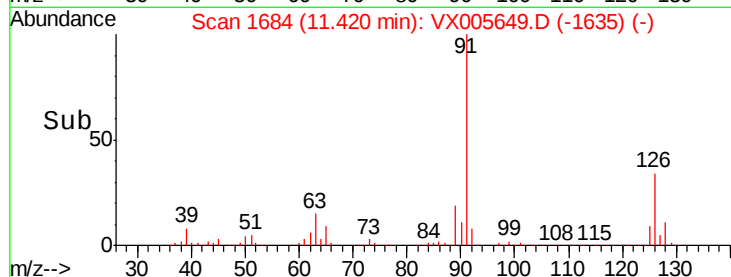
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.961 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005649.D

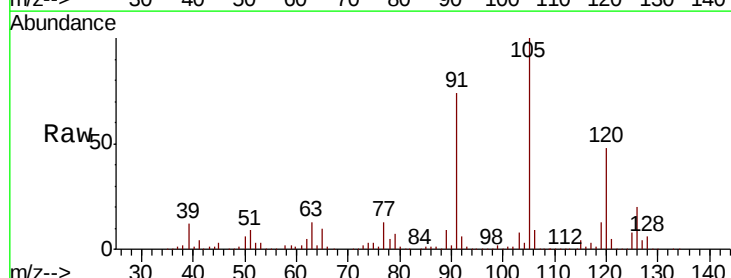
Acq: 27 Oct 2018 11:46

Tgt Ion:105 Resp: 389676

Ion Ratio Lower Upper

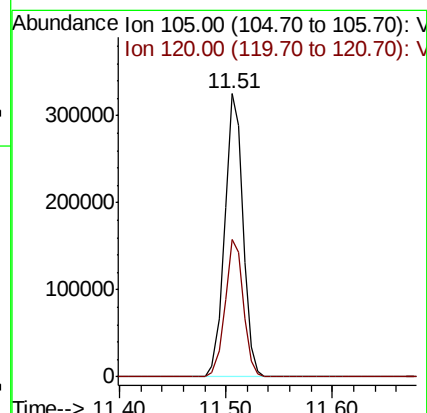
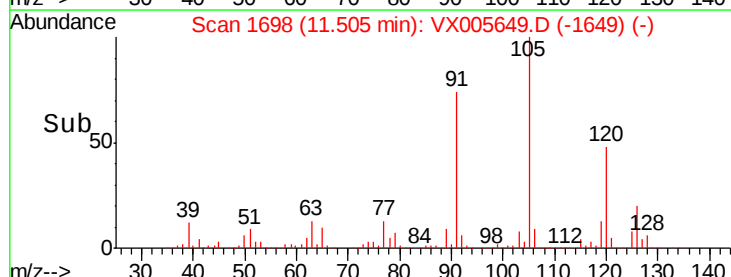
105 100

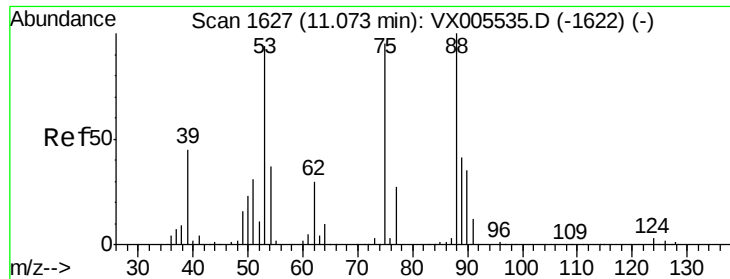
120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.901 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

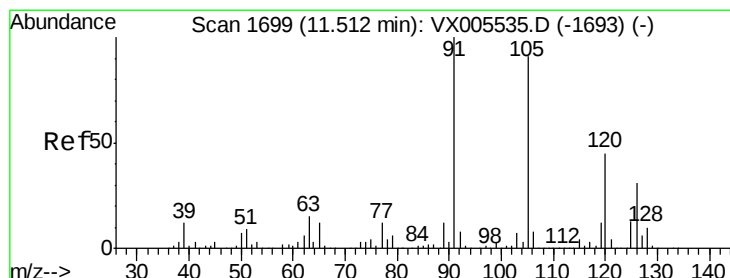
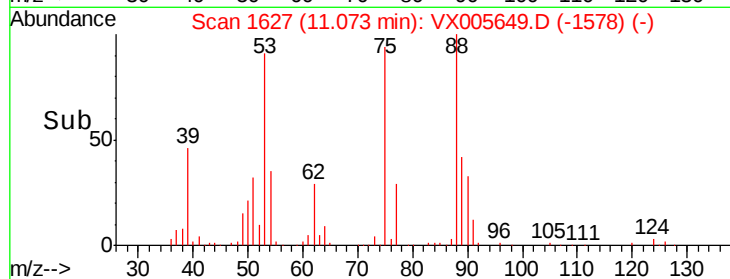
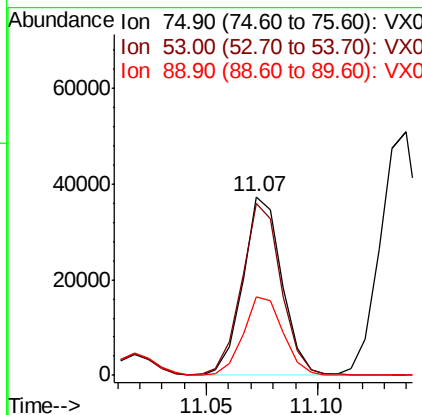
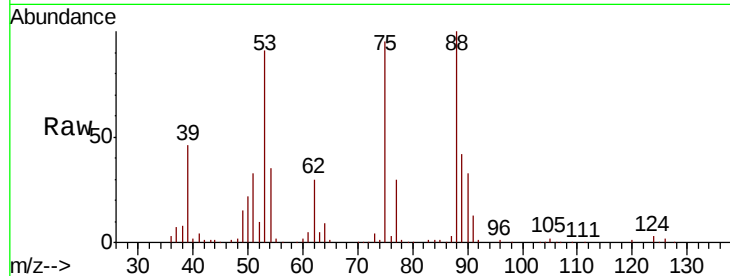
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	45361
Ion	Ratio	Lower	Upper
75	100		
53	97.6	80.2	120.2
89	45.4	39.8	59.8

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#82

4-Chlorotoluene

Concen: 49.461 ug/l

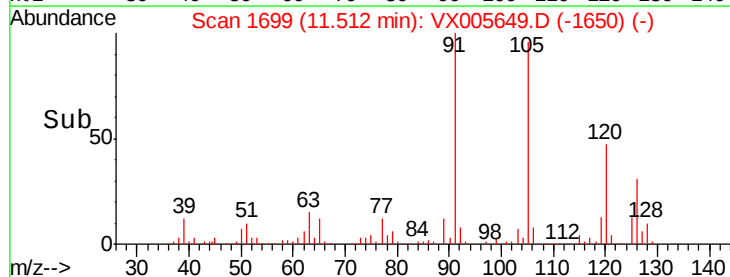
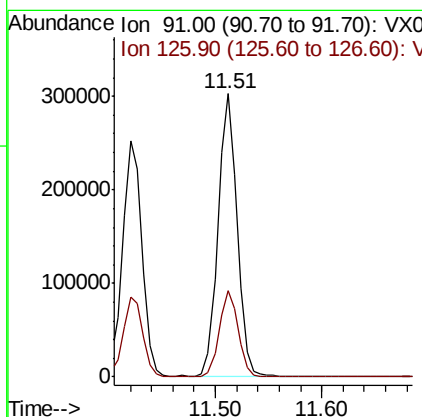
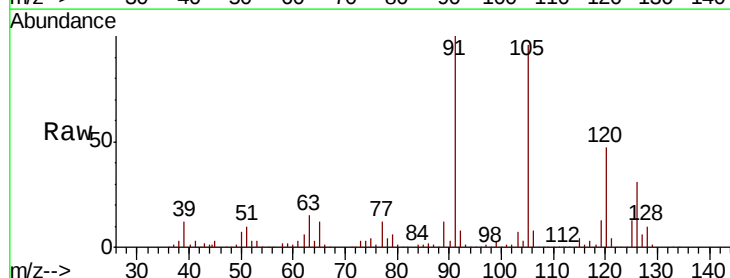
RT: 11.51 min Scan# 1699

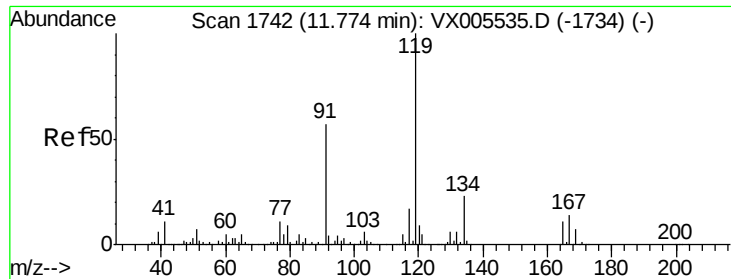
Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion:	91	Resp:	377007
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.2	45.6





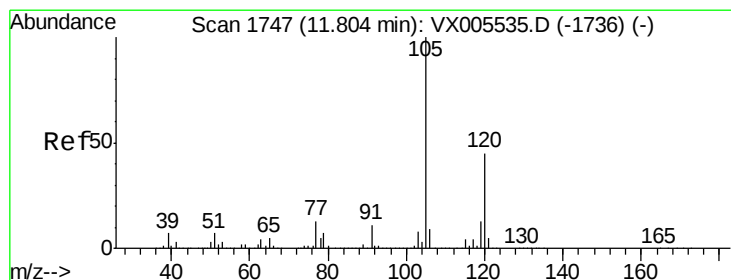
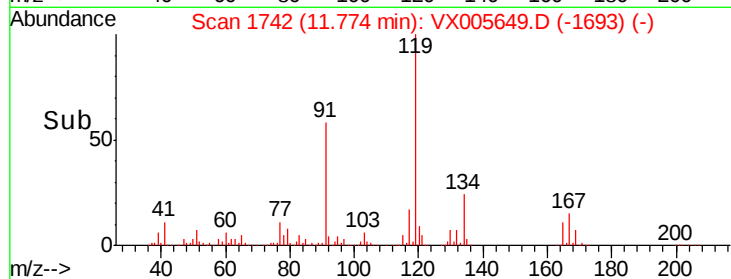
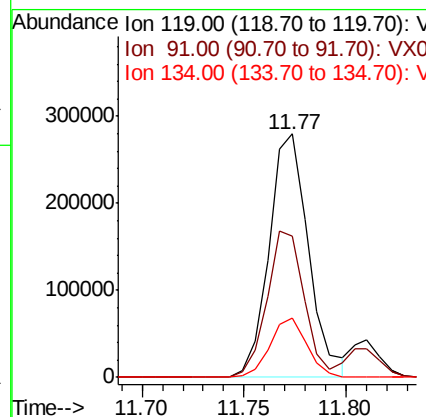
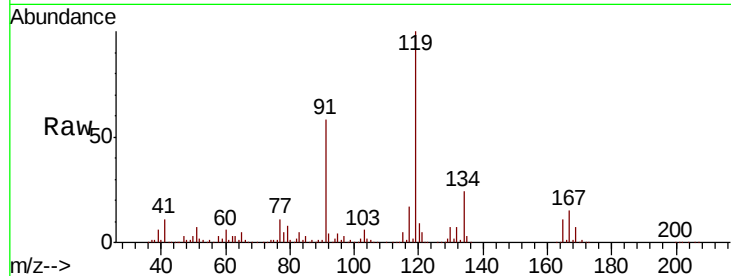
#83
tert-Butylbenzene
Concen: 48.523 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	377255		
91	56.8	28.5	85.5	
134	22.8	11.3	33.8	

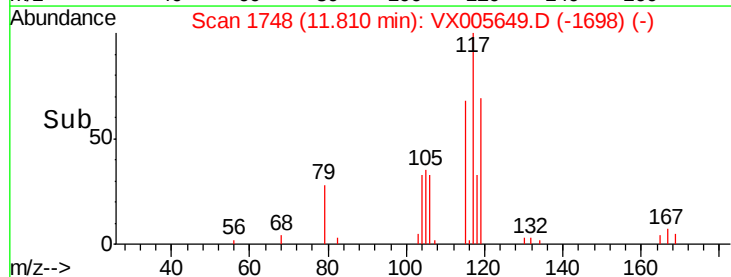
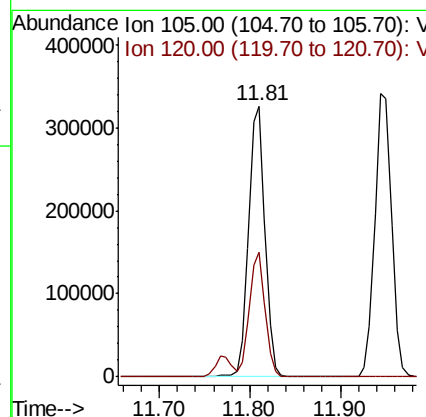
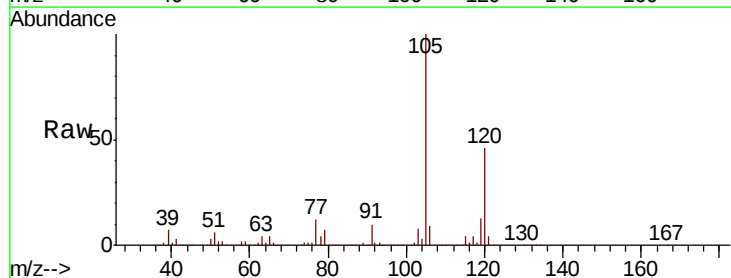
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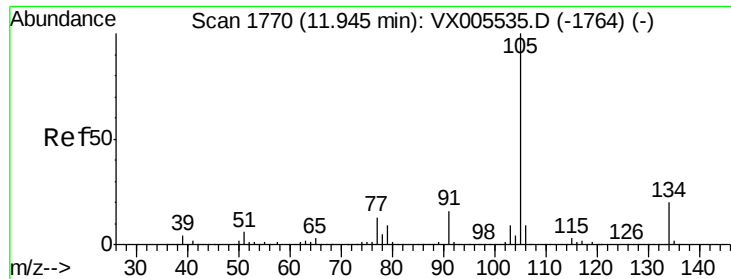
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.616 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	408017		
120	44.4	22.4	67.0	





#85

sec-Butylbenzene

Concen: 47.314 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 438945

Ion Ratio Lower Upper

105 100

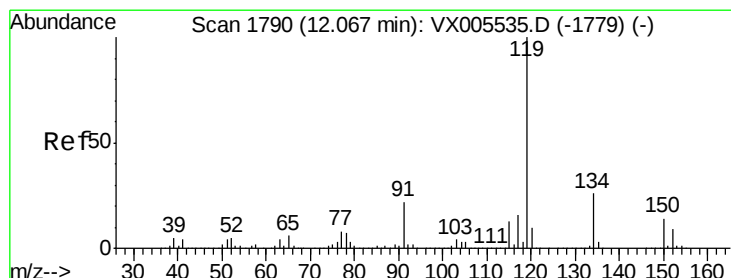
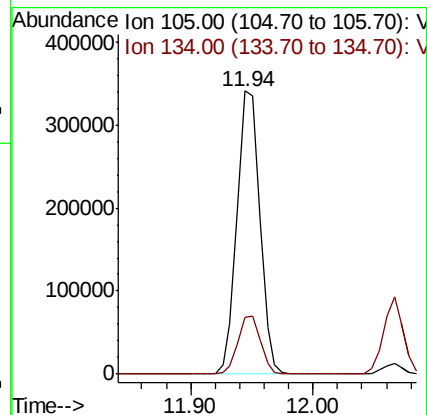
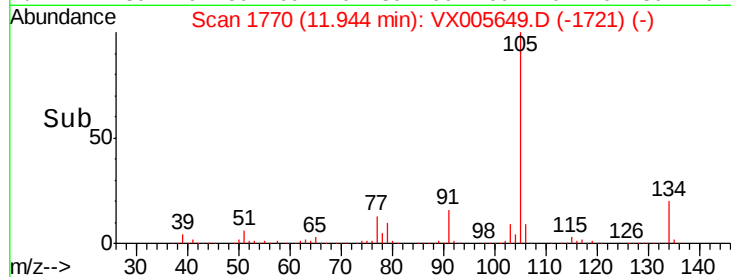
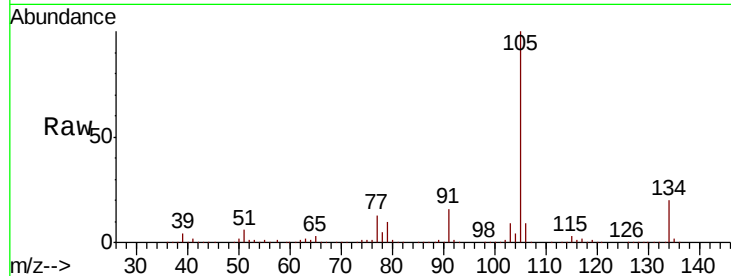
134 20.3 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.512 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

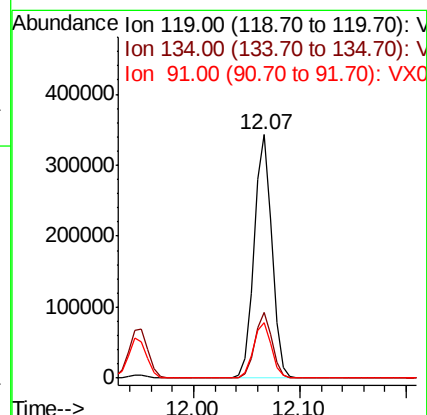
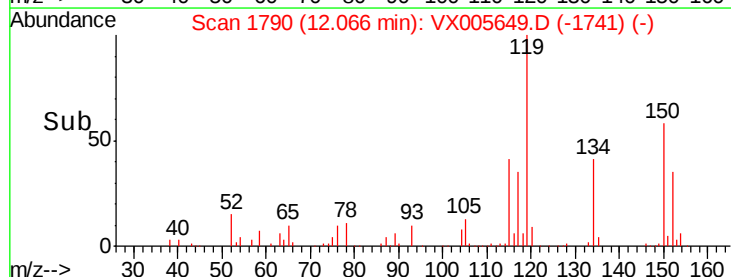
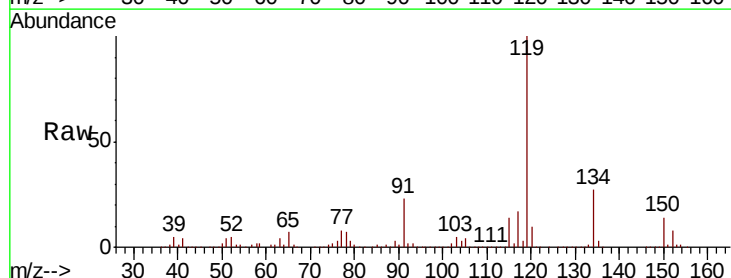
Tgt Ion:119 Resp: 402322

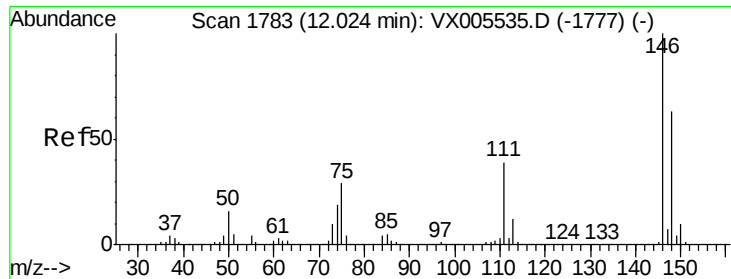
Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 23.3 11.4 34.2





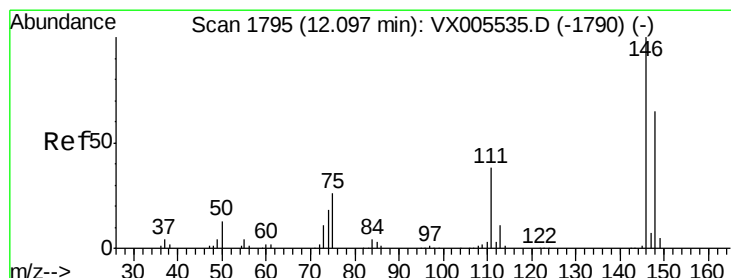
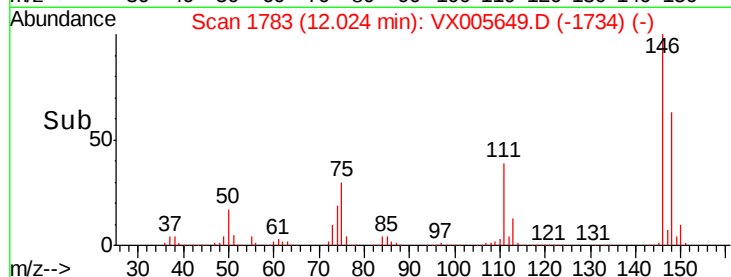
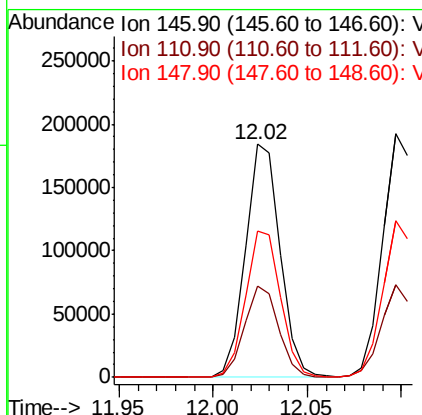
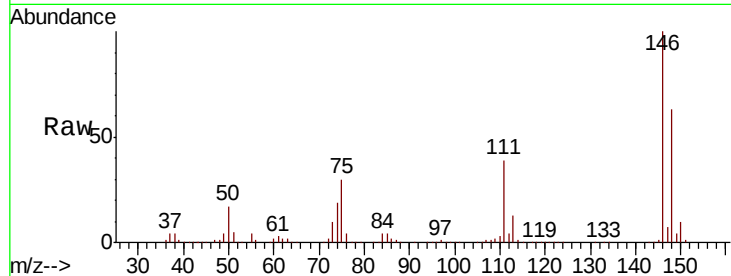
#87
 1,3-Dichlorobenzene
 Concen: 49.192 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005649.D
 Acq: 27 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	63.7	31.9	95.9

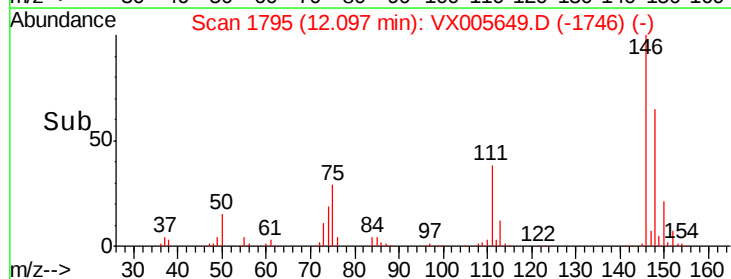
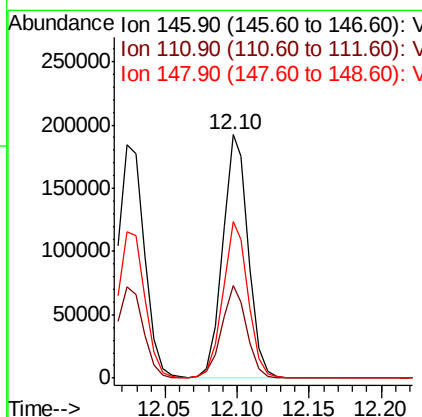
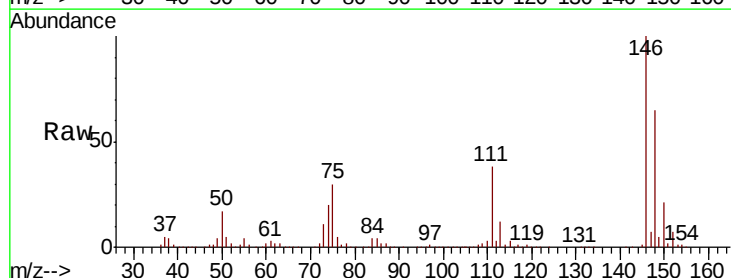
Manual Integrations
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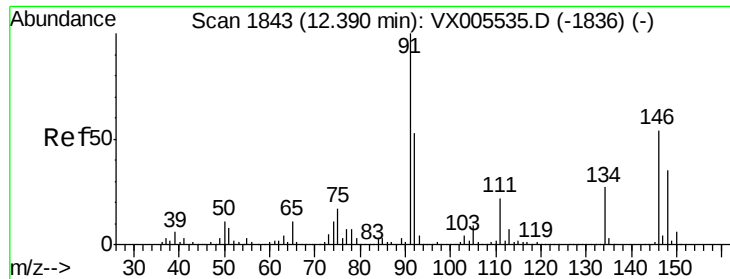
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#88
 1,4-Dichlorobenzene
 Concen: 48.101 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005649.D
 Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	63.6	32.1	96.3





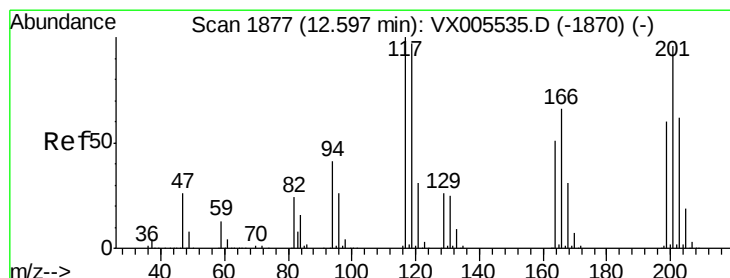
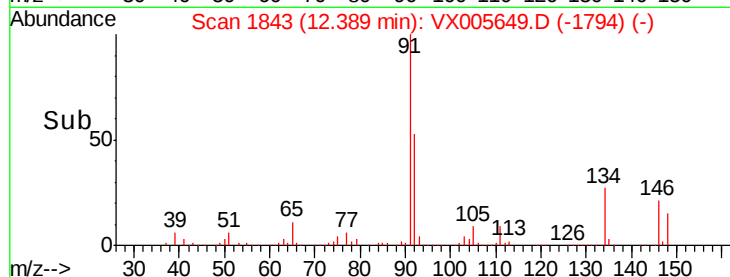
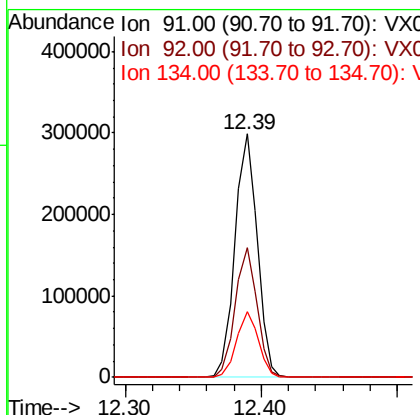
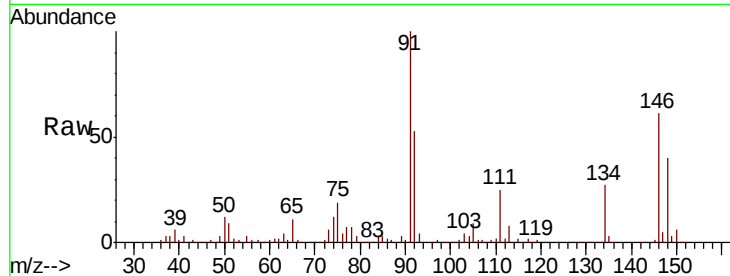
#89
n-Butylbenzene
Concen: 45.652 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	26.4	13.1	39.3

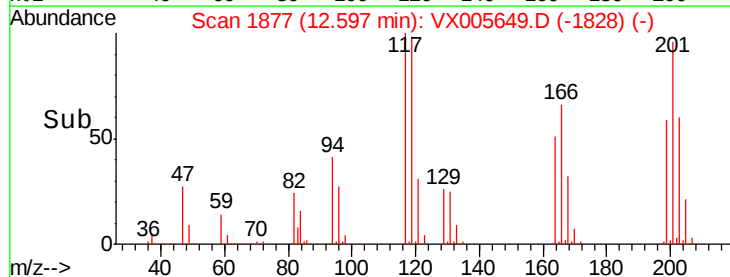
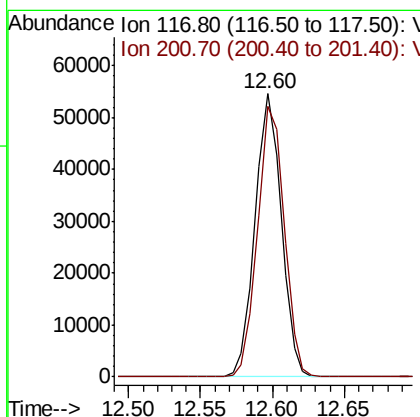
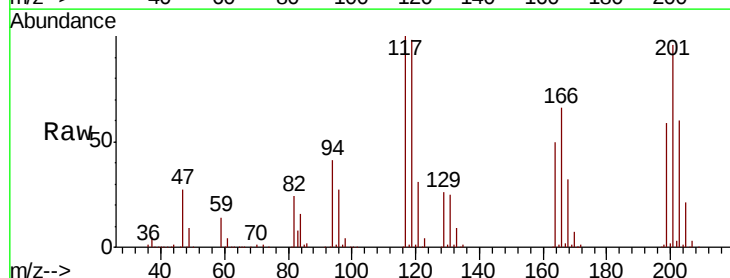
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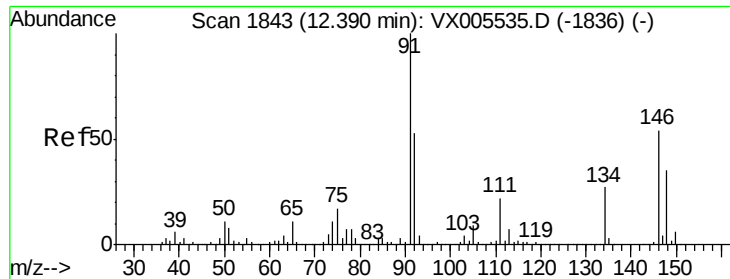
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#90
Hexachloroethane
Concen: 47.874 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.2	47.9	143.6





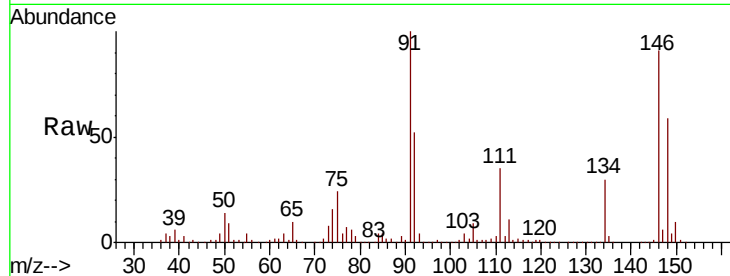
#91
1,2-Dichlorobenzene
Concen: 50.200 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	64.8	32.2	96.6

Manual Integrations
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10/29/2018 12:41:23 PM

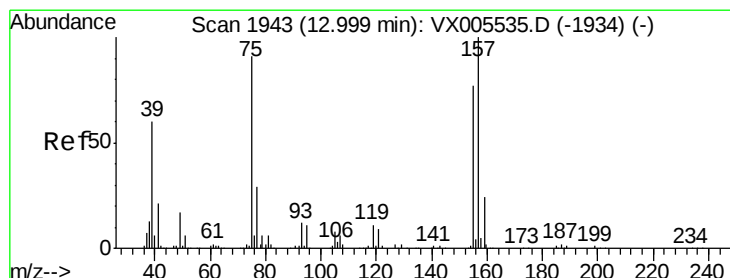
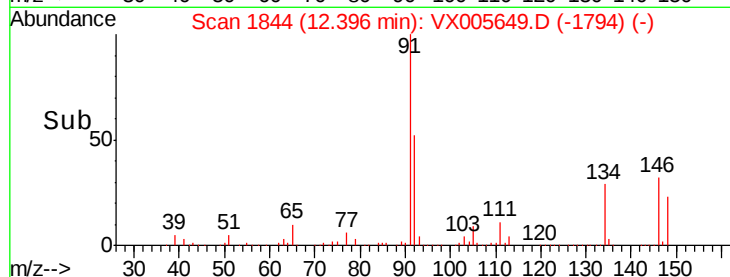
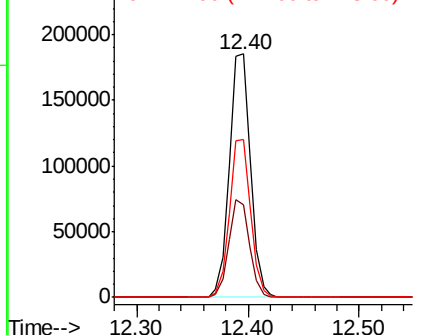


Abundance

Ion 145.90 (145.60 to 146.60): V

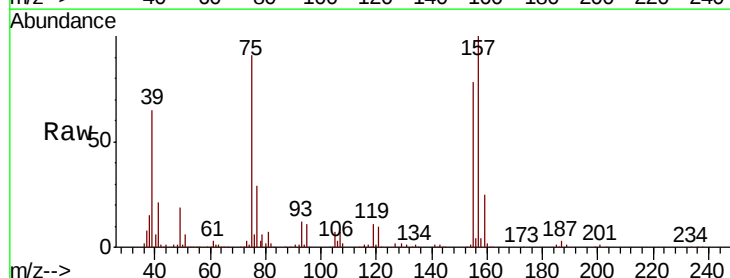
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
1,2-Dibromo-3-Chloropropane
Concen: 56.094 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX005649.D
Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	45.4	136.1
157	116.9	57.4	172.0

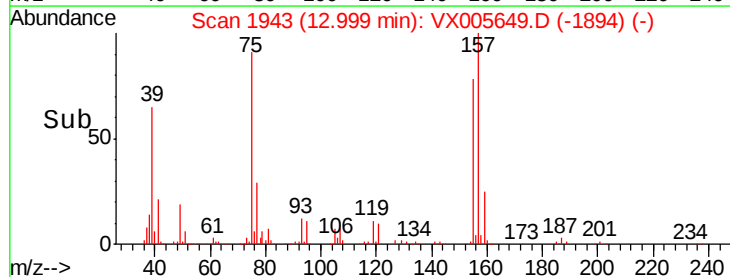
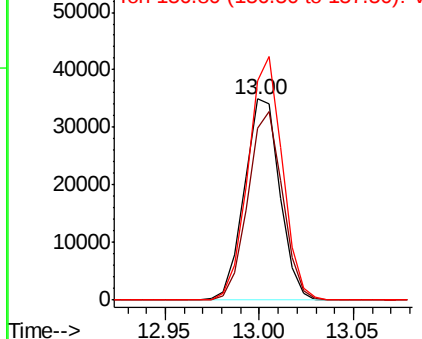


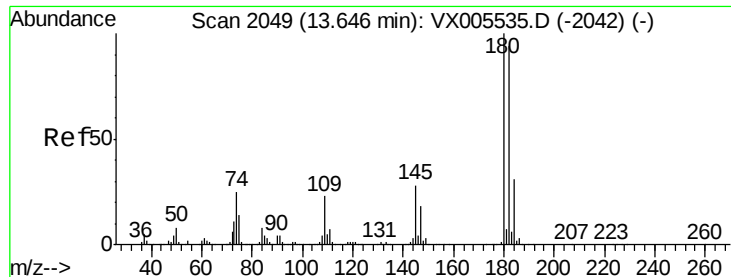
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





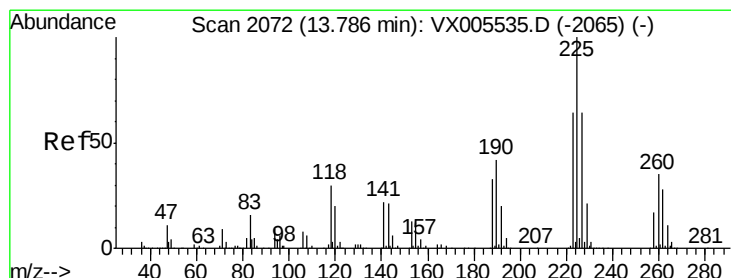
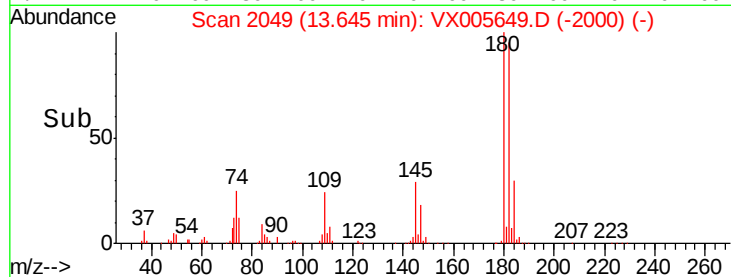
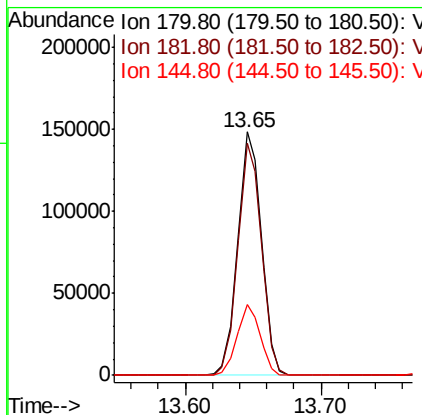
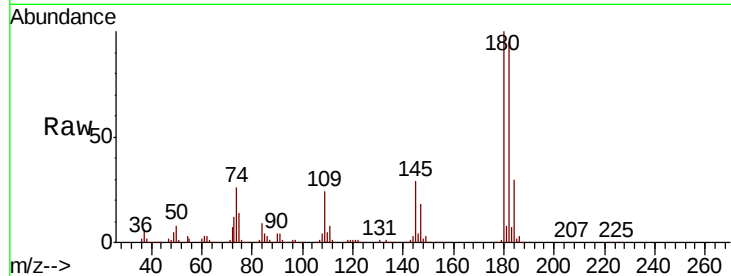
#93
 1,2,4-Trichlorobenzene
 Concen: 51.170 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005649.D
 Acq: 27 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179320		
182	95.2	47.6	142.8	
145	28.5	14.1	42.2	

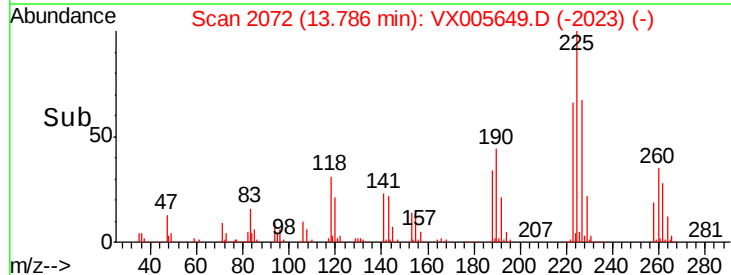
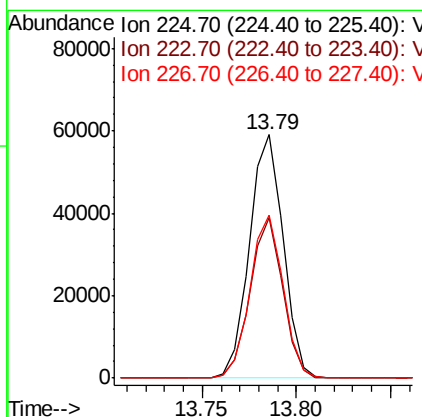
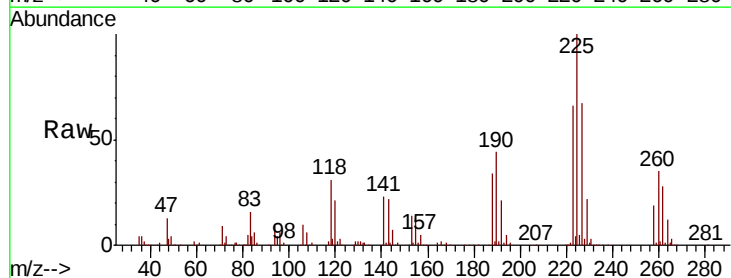
Manual Integrations
 APPROVED

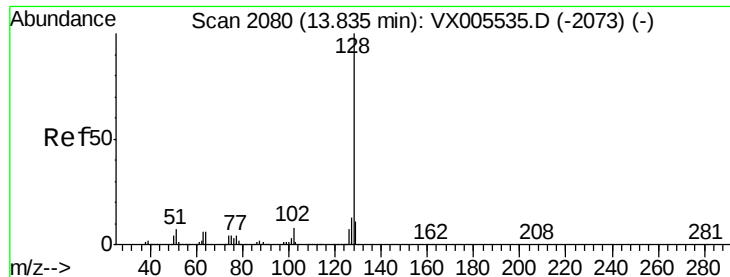
MMDadoda
 10/29/2018 12:41:23 PM



#94
 Hexachlorobutadiene
 Concen: 40.394 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005649.D
 Acq: 27 Oct 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73357		
223	63.6	31.7	95.1	
227	65.6	32.3	96.9	





#95

Naphthalene

Concen: 58.744 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Instrument :

MSVOA_X

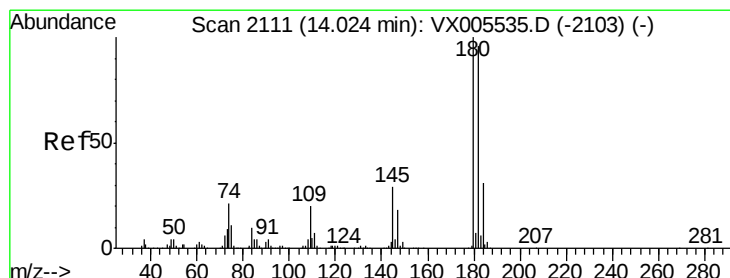
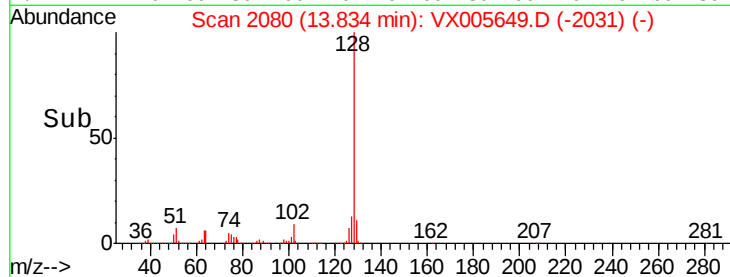
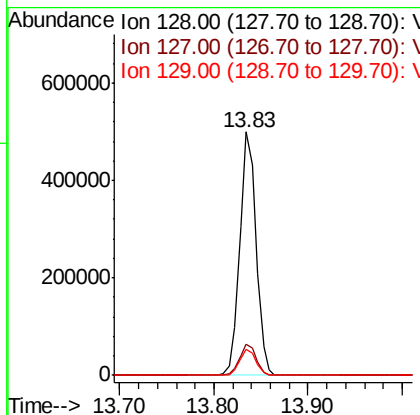
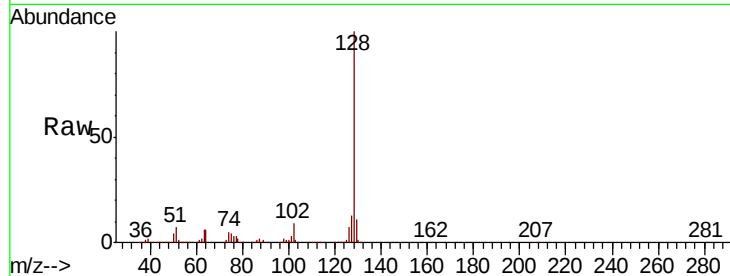
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	598395
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:41:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.997 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005649.D

Acq: 27 Oct 2018 11:46

Tgt Ion:	180	Resp:	188265
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	29.8	15.1	45.3

