

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050119\
 Data File : VX009254.D
 Acq On : 01 May 2019 12:40
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:21 AM

Quant Time: May 02 06:45:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	28360	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	175453	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	159364	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	72878	31.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.07%
60) 4-Bromofluorobenzene	11.13	95	82893	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	8.71	98	223639	29.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	236956	158.495	ug/l 100
3) Chloromethane	1.32	50	323227	162.588	ug/l 99
4) Vinyl Chloride	1.41	62	316870	158.063	ug/l 98
5) Bromomethane	1.64	94	203926	179.341	ug/l 96
6) Chloroethane	1.70	64	206377	153.440	ug/l 99
7) Trichlorofluoromethane	1.92	101	382485	156.818	ug/l 100
8) Diethyl Ether	2.19	74	179418	158.295	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	238095	155.939	ug/l 100
10) 1,1-Dichloroethene	2.36	96	241288	157.339	ug/l 97
11) Methyl Iodide	2.50	142	312378	201.975	ug/l 100
12) Methyl Acetate	2.78	43	436398	155.762	ug/l 99
13) Acrolein	2.29	56	307560	839.889	ug/l 99
14) Acrylonitrile	3.15	53	977206	790.014	ug/l 99
15) Acetone	2.45	58	272760	742.263	ug/l 96
16) Carbon Disulfide	2.56	76	677014	164.599	ug/l 99
17) Allyl chloride	2.72	41	585682	161.991	ug/l 95
18) Methylene Chloride	2.85	84	287892	157.549	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	258035	159.582	ug/l 96
20) Diisopropyl ether	3.86	45	1117825	155.452	ug/l 89
21) 1,1-Dichloroethane	3.70	63	547698	159.165	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	308112	158.127	ug/l 98
23) tert-Butyl Alcohol	3.07	59	419730	832.494	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	938662	160.618	ug/l 99
25) Chloroform	5.21	83	496766	156.194	ug/l 99
26) Cyclohexane	5.57	56	519113	158.328	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	386313	151.594	ug/l 99
30) 2-Butanone	4.68	43	1496967	750.516	ug/l 99
31) 2,2-Dichloropropane	4.58	77	426468	153.320	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	423263	158.130	ug/l 96
33) Carbon Tetrachloride	5.78	117	355350	156.163	ug/l 98
34) Benzene	6.14	78	1175964	148.835	ug/l 98
35) Methacrylonitrile	5.04	41	314342	150.372	ug/l 96
36) 1,2-Dichloroethane	6.19	62	420938	147.888	ug/l 99
37) Trichloroethene	7.21	130	286152	154.609	ug/l 94
38) Methylcyclohexane	7.46	83	476866	153.082	ug/l 99
39) 1,2-Dichloropropane	7.51	63	337657	152.219	ug/l 99
40) Dibromomethane	7.66	93	192946	152.709	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	402785	159.198	ug/l	98
42) Vinyl Acetate	3.82	43	4981047	753.443	ug/l	99
43) Ethyl Acetate	4.84	43	548130	148.540	ug/l	99
44) Isopropyl Acetate	6.45	43	899392	158.407	ug/l	99
45) 1,4-Dioxane	7.74	88	170630	3022.978	ug/l	99
46) Methyl methacrylate	7.77	41	453657	158.058	ug/l	99
47) n-amyl Acetate	10.90	43	834396	164.583	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	489126	169.059	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	519515	161.289	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	295120	152.151	ug/l	98
51) Ethyl methacrylate	9.18	69	570625	161.988	ug/l	99
52) 1,3-Dichloropropane	9.37	76	520211	150.979	ug/l	99
53) Dibromochloromethane	9.59	129	313454	168.079	ug/l	99
54) 1,2-Dibromoethane	9.67	107	305158	154.852	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	1472128	741.835	ug/l	100
56) Bromoform	10.86	173	250293	180.598	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	2907507	746.123	ug/l	99
59) 2-Hexanone	9.49	43	2246432	730.929	ug/l	99
61) Tetrachloroethene	9.34	164	248051	141.348	ug/l	99
62) Toluene	8.79	91	1246526	145.612	ug/l	100
64) Chlorobenzene	10.14	112	765545	151.586	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	286863	156.954	ug/l	98
66) Ethyl Benzene	10.25	91	1412491	149.562	ug/l	100
67) m/p-Xylenes	10.36	106	1040311	302.491	ug/l	99
68) o-Xylene	10.70	106	511502	152.985	ug/l	98
69) Styrene	10.71	104	918091	156.290	ug/l	100
70) Isopropylbenzene	11.02	105	1361331	149.400	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	498371	152.148	ug/l	99
72) 1,1,2,3-Trichloropropane	11.30	75	417329m	144.458	ug/l	
73) Bromobenzene	11.26	156	342229	152.665	ug/l	98
74) n-propylbenzene	11.36	91	1621476	154.979	ug/l	99
75) 2-Chlorotoluene	11.42	91	954077	151.434	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	1179111	154.095	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	193855	181.839	ug/l	95
78) 4-Chlorotoluene	11.51	91	1115512	158.181	ug/l	99
79) tert-butylbenzene	11.77	119	1142246	154.537	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	1179286	154.329	ug/l	99
81) sec-Butylbenzene	11.94	105	1366381	156.067	ug/l	100
82) p-Isopropyltoluene	12.06	119	1246236	156.872	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	616813	158.708	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	614875	160.619	ug/l	99
85) n-Butylbenzene	12.38	91	1187964	168.482	ug/l	100
86) Hexachloroethane	12.60	117	221776	164.441	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	613644	154.499	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	117764	155.746	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	453183	166.633	ug/l	98
90) Hexachlorobutadiene	13.78	225	221691	160.795	ug/l	99
91) Naphthalene	13.83	128	1441298	154.710	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	447559	156.428	ug/l	99

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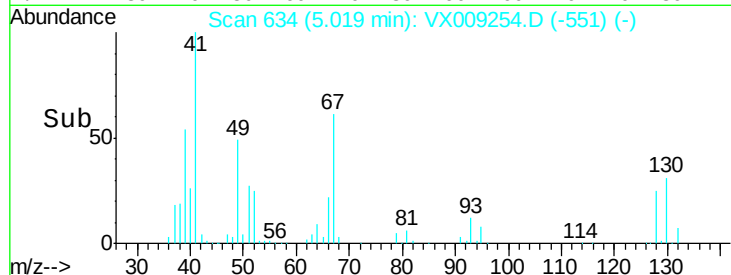
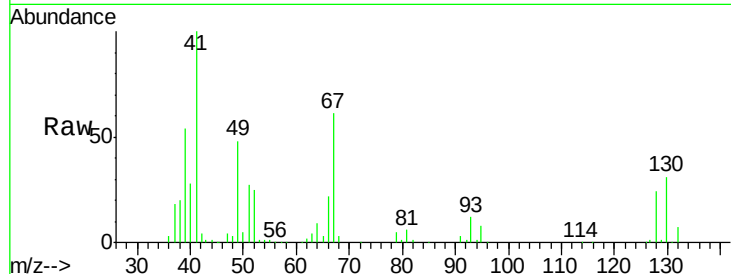
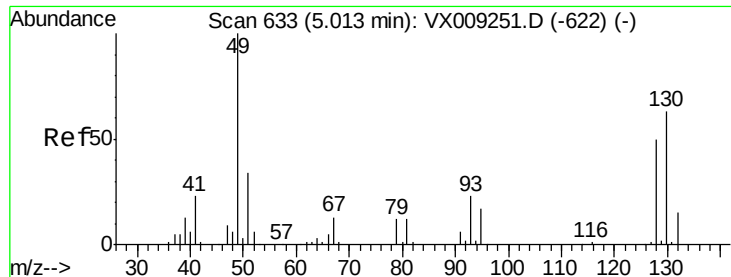
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



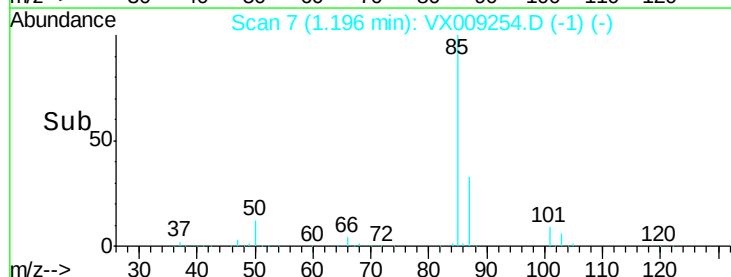
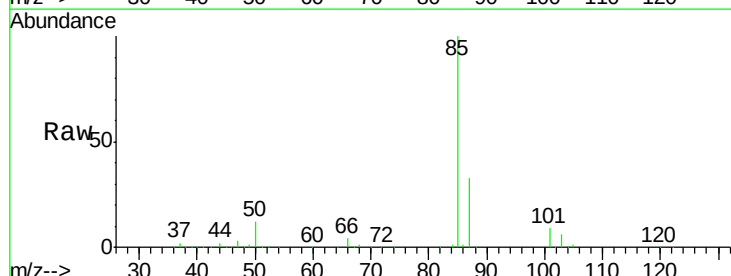
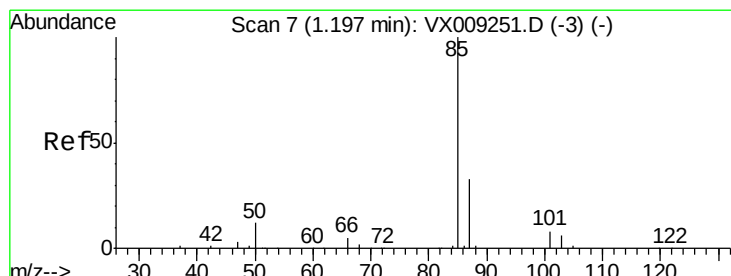
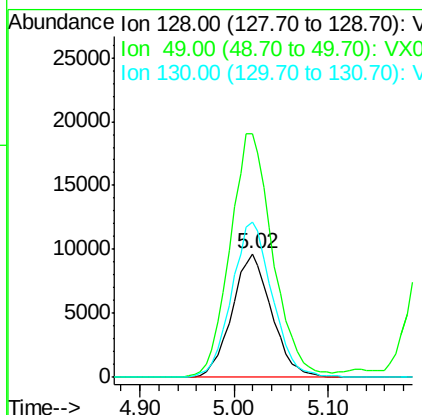
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tot Ion	Ratio	Lower	Upper
128	100		
49	212.6	0.0	515.0
130	128.1	0.0	323.3

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

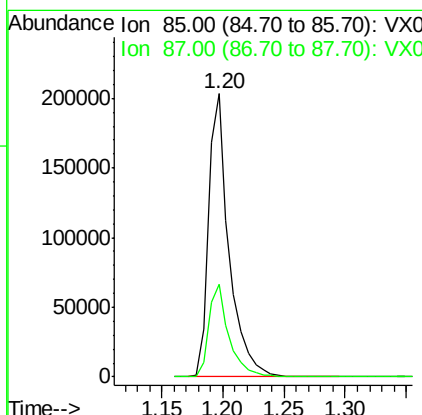
Manual Integrations
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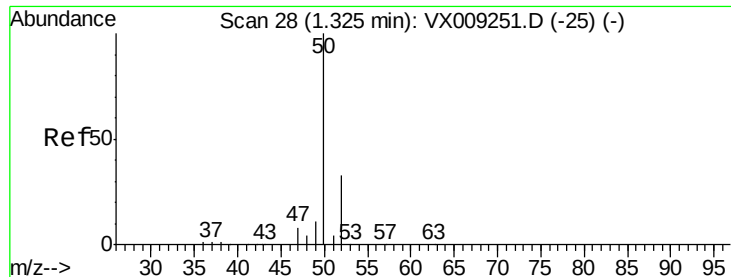
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#2
Dichlorodifluoromethane
Concen: 158.495 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.3	48.9





#3

Chloromethane

Concen: 162.588 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 323227

Ion Ratio Lower Upper

50 100

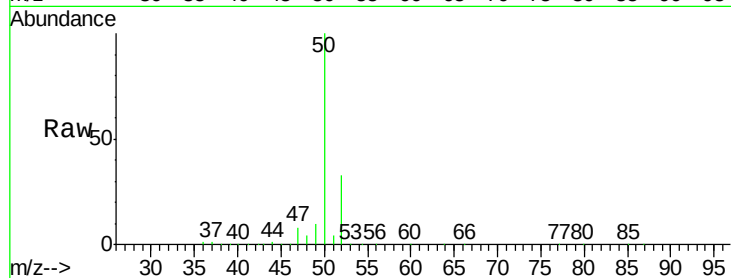
52 32.6 26.3 39.5

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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.32

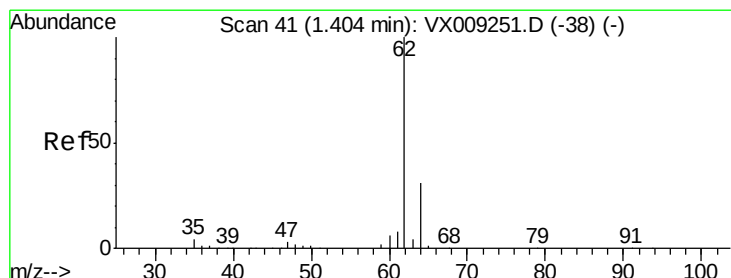
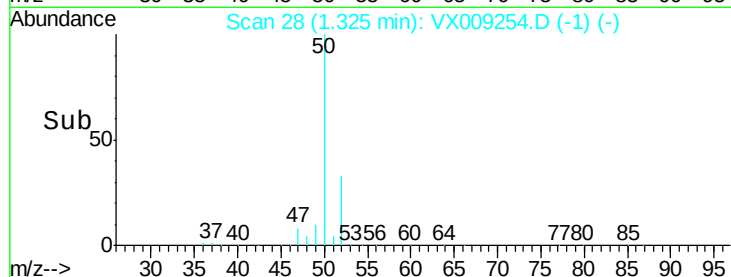
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 158.063 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009254.D

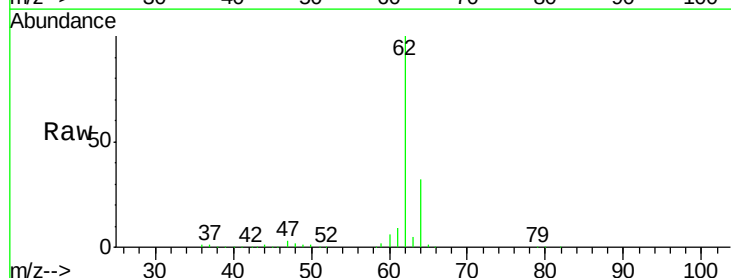
Acq: 01 May 2019 12:40

Tgt Ion: 62 Resp: 316870

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

1.41

300000

250000

200000

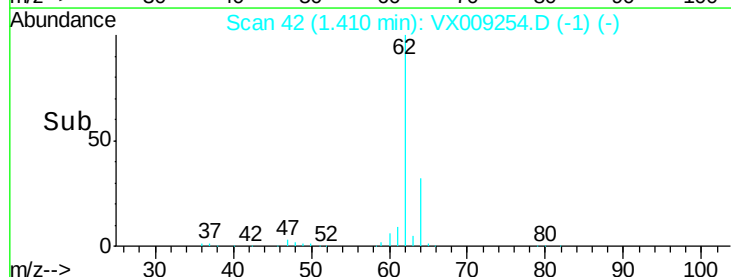
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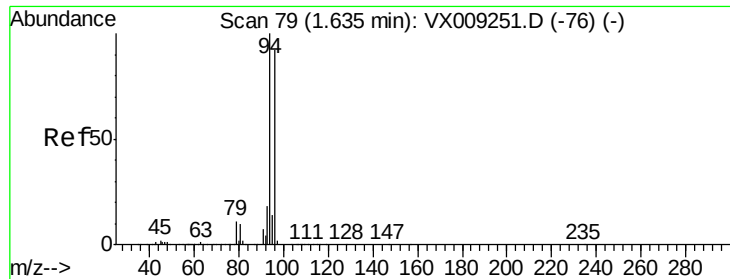
100000

50000

0

Time-->





#5

Bromomethane

Concen: 179.341 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 203926

Ion Ratio Lower Upper

94 100

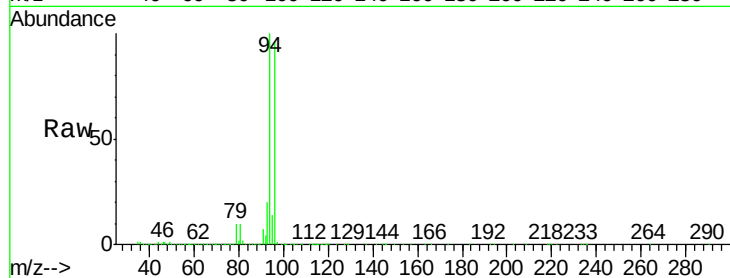
96 95.6 73.5 110.3

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

200000

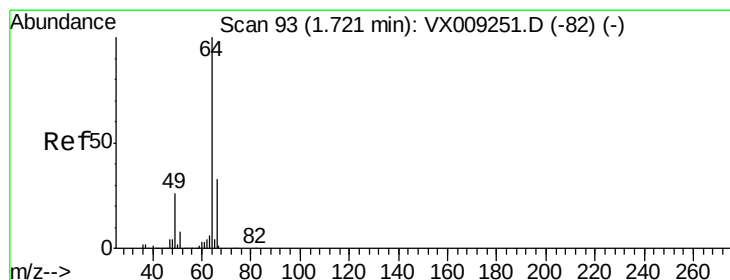
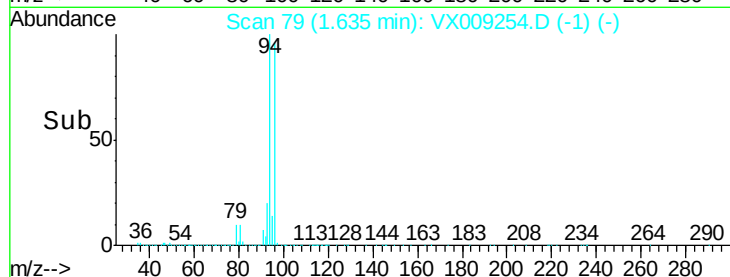
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 153.440 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX009254.D

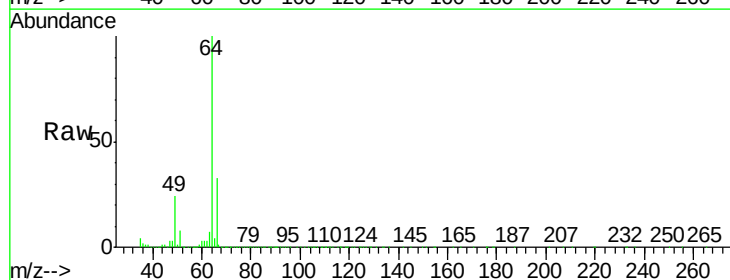
Acq: 01 May 2019 12:40

Tgt Ion: 64 Resp: 206377

Ion Ratio Lower Upper

64 100

66 33.1 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.70

200000

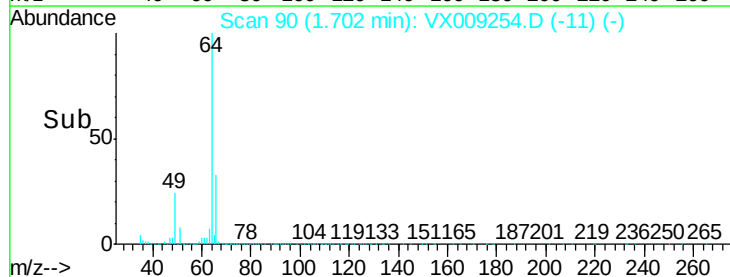
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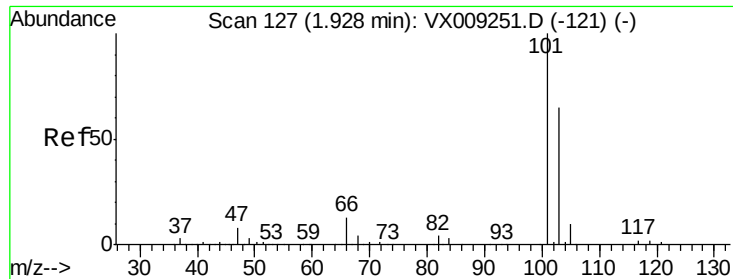
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50000

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Time-->





#7

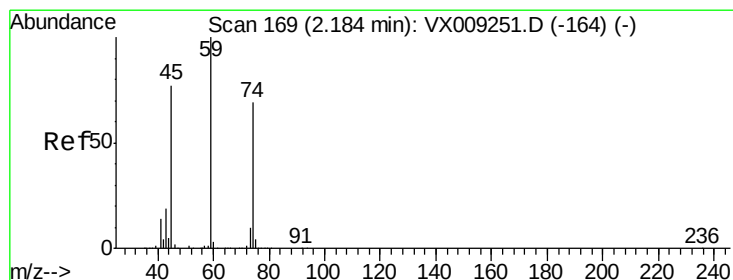
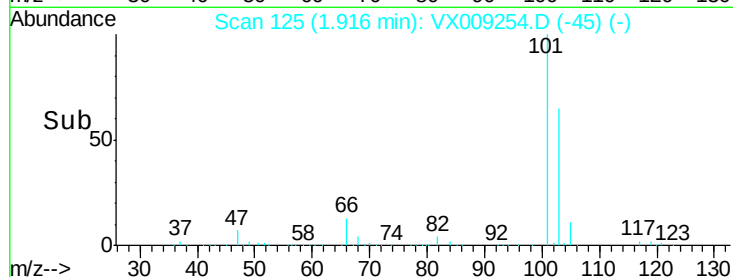
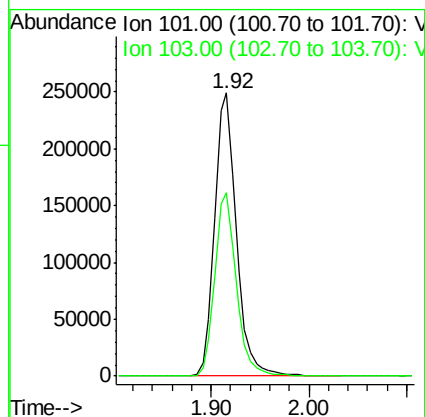
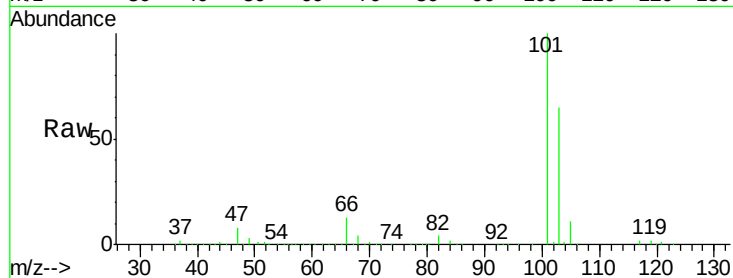
Trichlorofluoromethane
Concen: 156.818 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:101 Resp: 382485
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9

Manual Integrations
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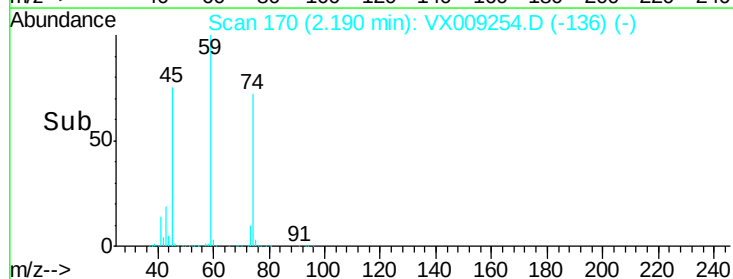
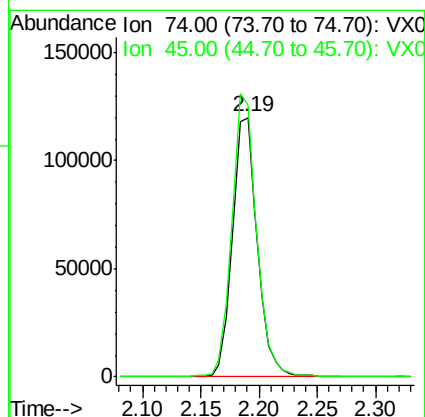
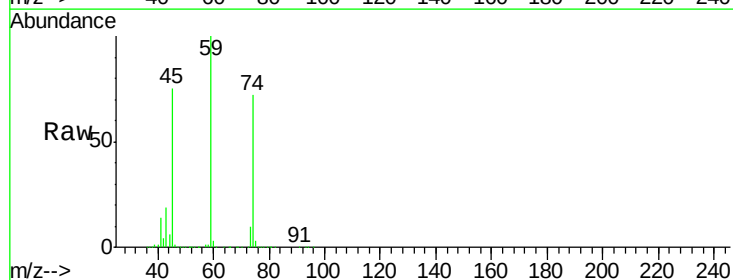
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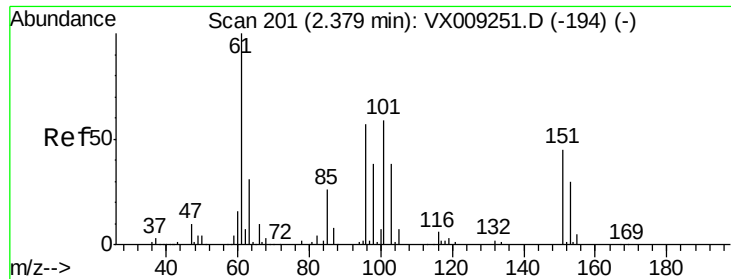


#8

Diethyl Ether
Concen: 158.295 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion: 74 Resp: 179418
Ion Ratio Lower Upper
74 100
45 107.8 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 155.939 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

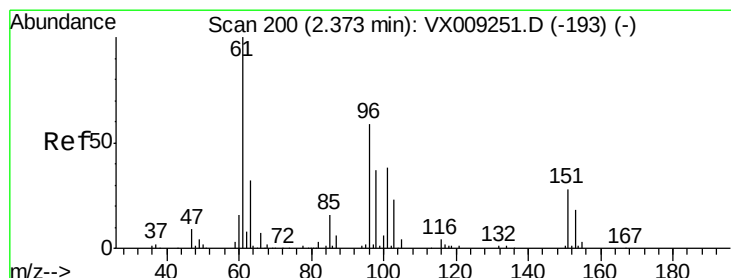
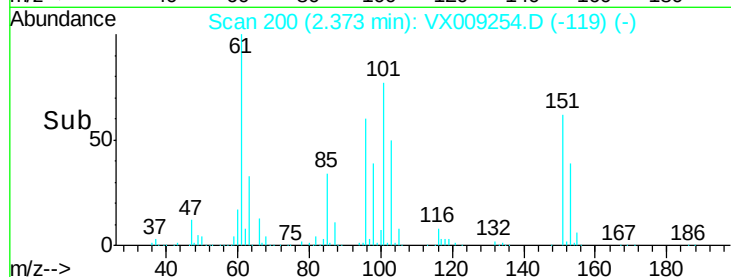
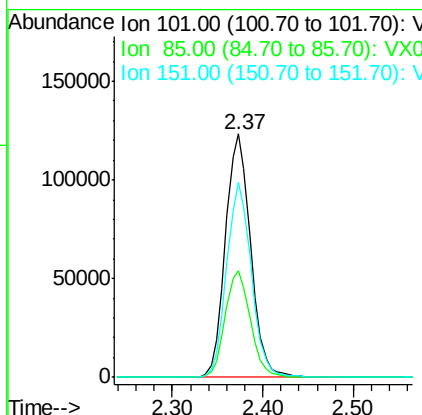
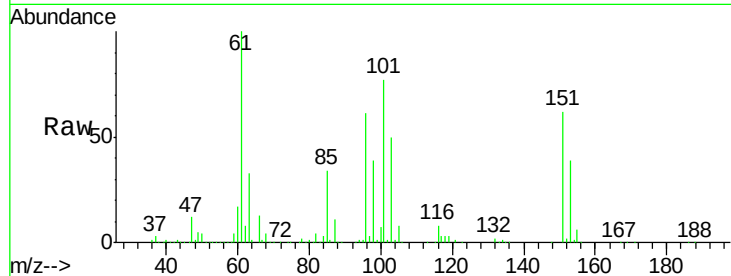
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	238095
Ion Ratio	Lower	Upper	
101	100		
85	44.0	0.0	87.4
151	78.9	0.0	157.0

Manual Integrations
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5/2/2019 10:53:21 AM



#10

1,1-Dichloroethene

Concen: 157.339 ug/l

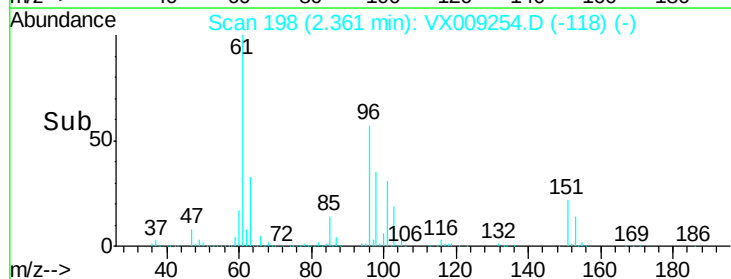
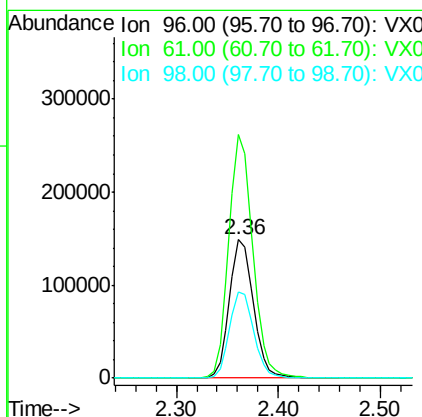
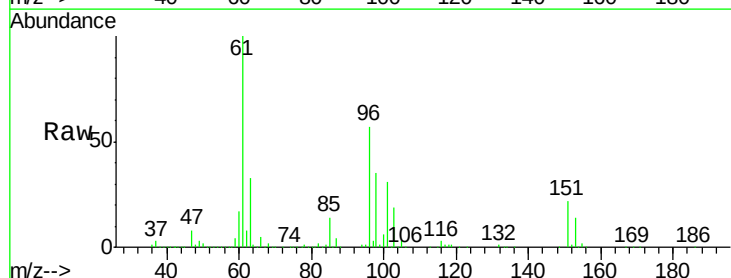
RT: 2.36 min Scan# 198

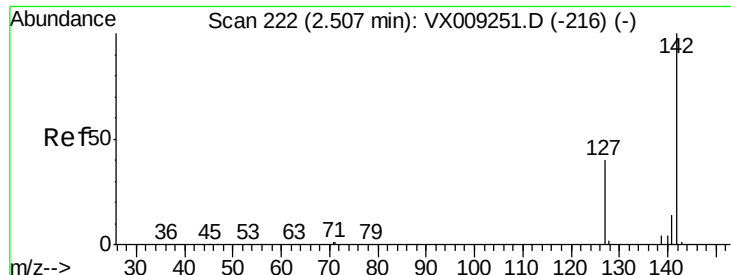
Delta R.T. -0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	96	Resp:	241288
Ion Ratio	Lower	Upper	
96	100		
61	175.8	136.5	204.7
98	62.3	51.0	76.4





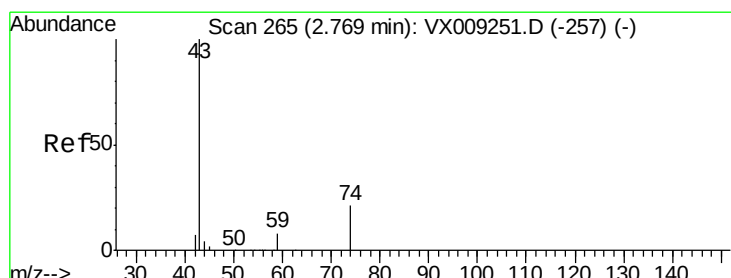
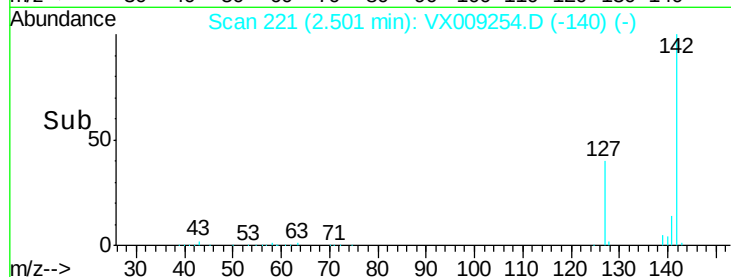
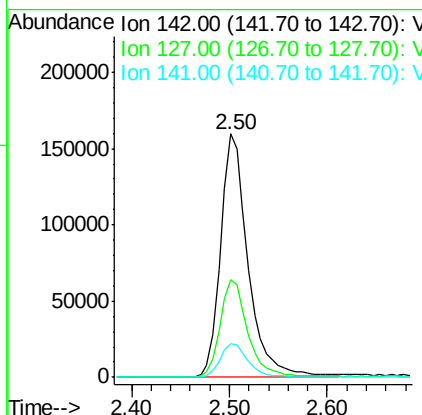
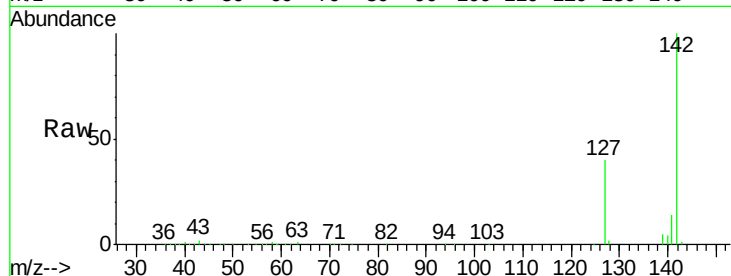
#11
Methyl Iodide
Concen: 201.975 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.0	20.2	60.5
141	14.1	6.9	20.7

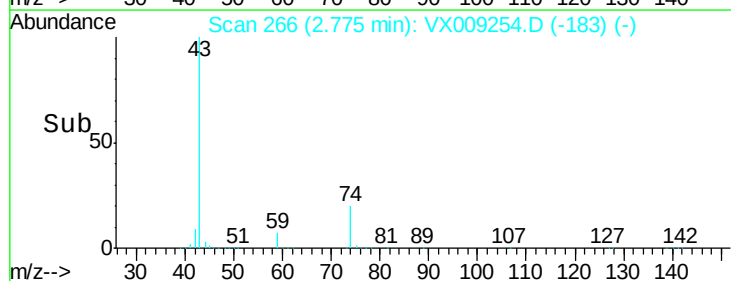
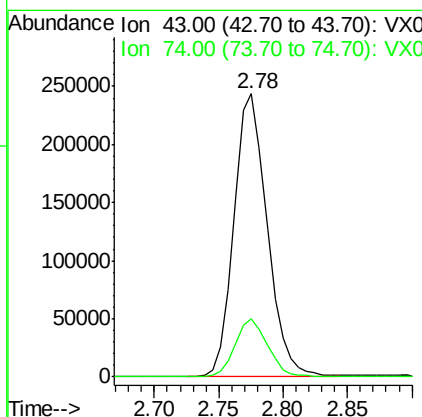
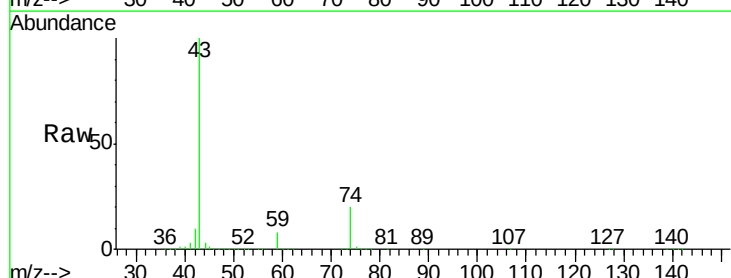
Manual Integrations
APPROVED

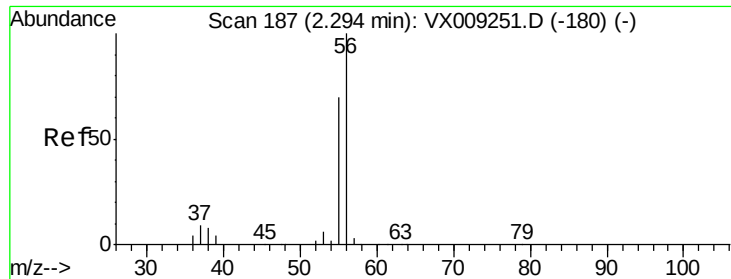
MMDadoda
5/2/2019 10:53:21 AM



#12
Methyl Acetate
Concen: 155.762 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.5	24.7





#13

Acrolein

Concen: 839.889 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 307560

Ion Ratio Lower Upper

56 100

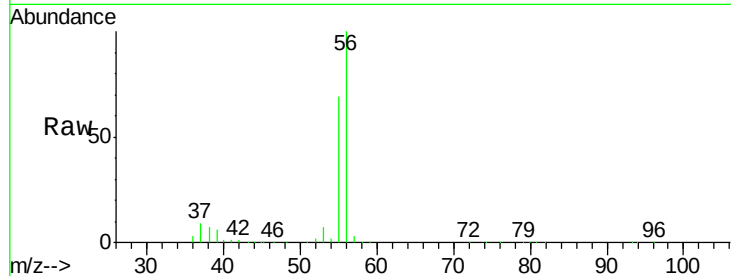
55 70.5 56.9 85.3

Manual Integrations

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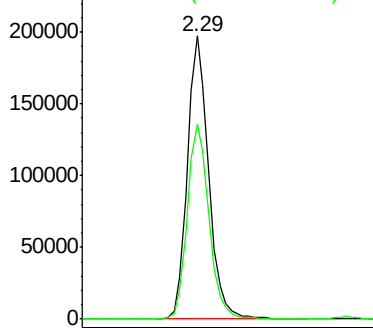
MMDadoda

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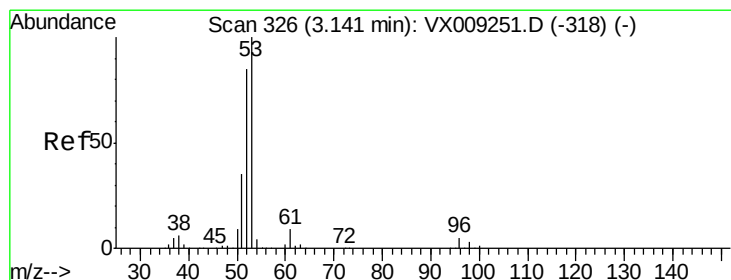
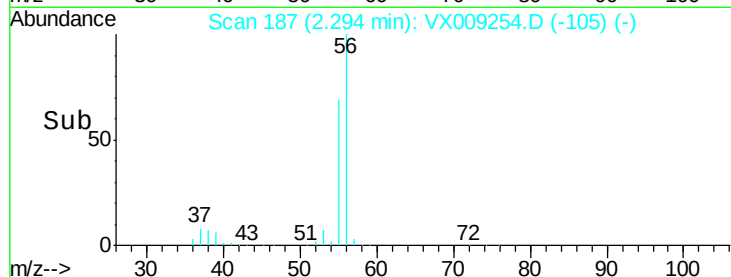


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Acrylonitrile

Concen: 790.014 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

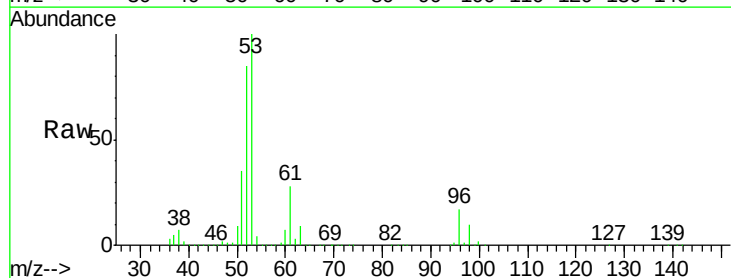
Tgt Ion: 53 Resp: 977206

Ion Ratio Lower Upper

53 100

52 83.7 41.5 124.5

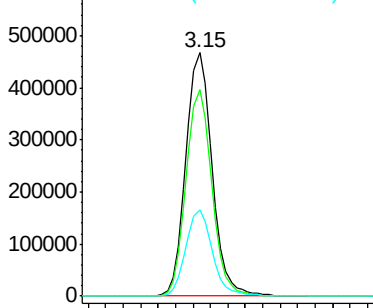
51 35.4 17.8 53.3



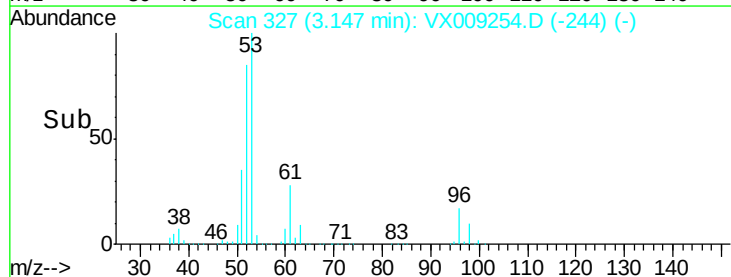
Abundance Ion 53.00 (52.70 to 53.70): VX0

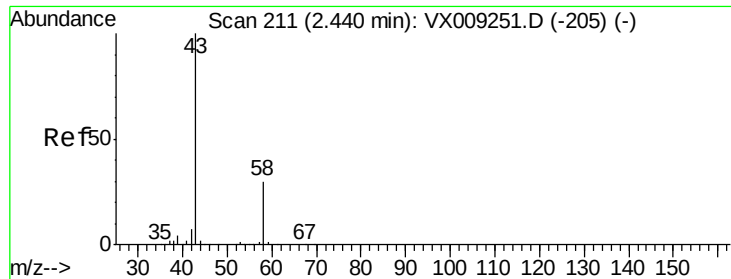
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#15

Acetone

Concen: 742.263 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 58 Resp: 272760

Ion Ratio Lower Upper

58 100

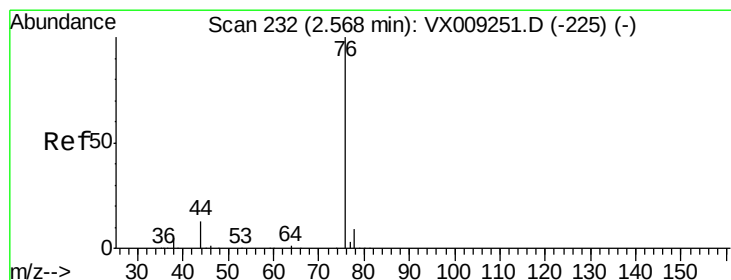
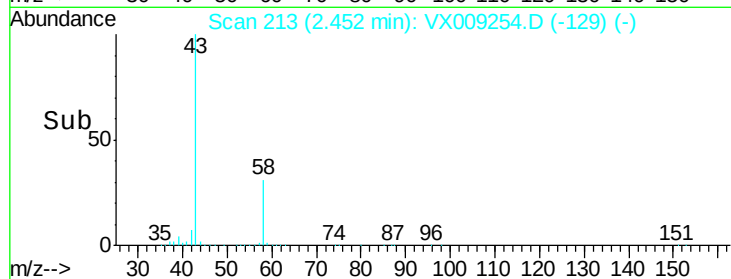
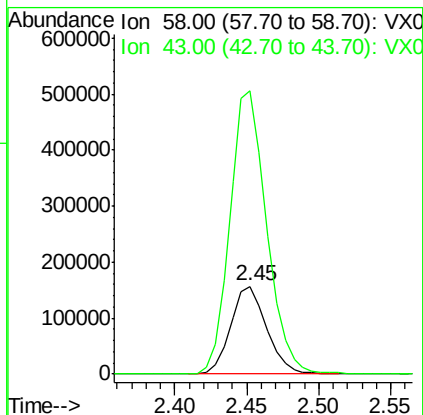
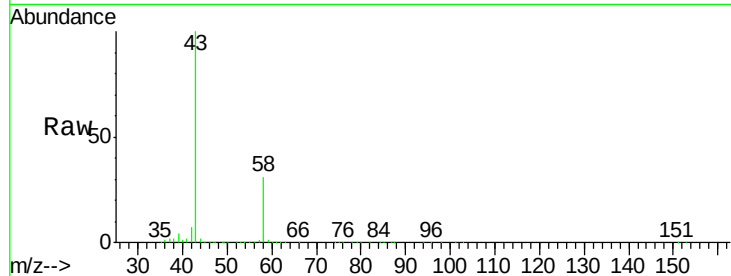
43 322.4 264.0 396.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 164.599 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009254.D

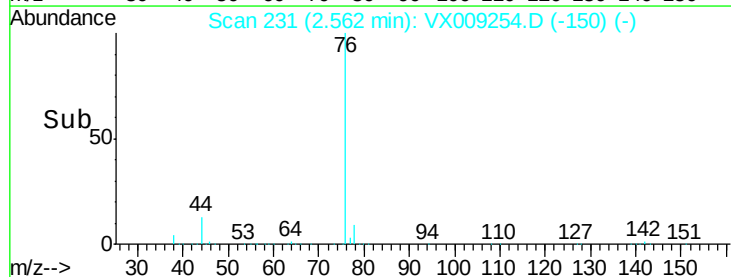
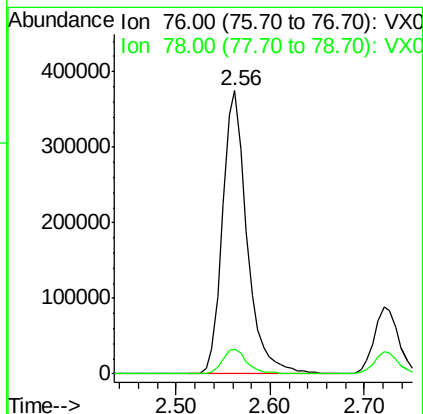
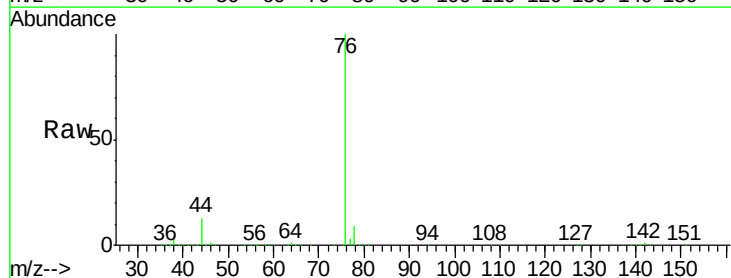
Acq: 01 May 2019 12:40

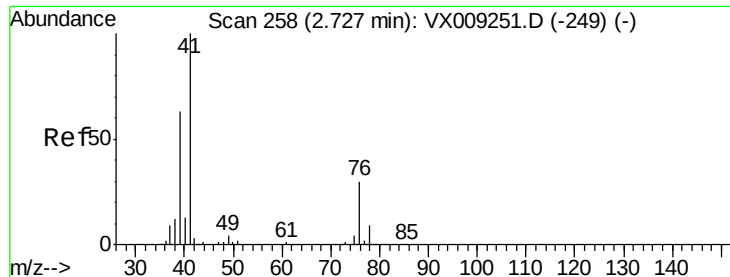
Tgt Ion: 76 Resp: 677014

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





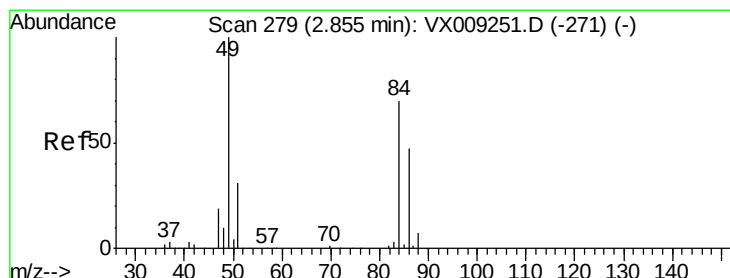
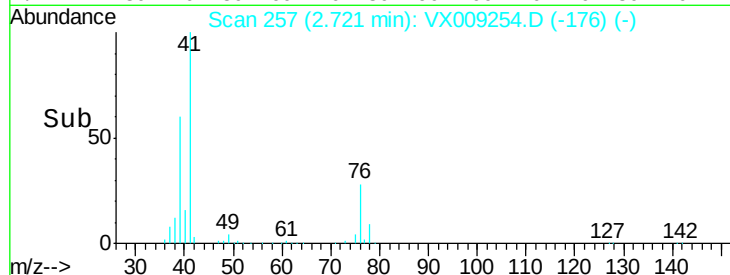
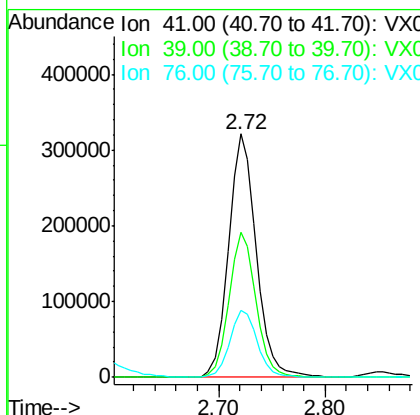
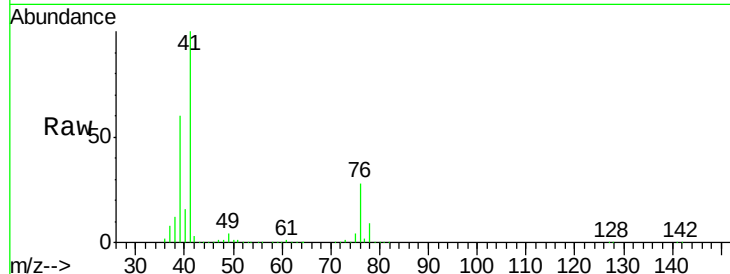
#17
Allvl chloride
Concen: 161.991 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.7	31.6	94.7
76	27.5	15.1	45.3

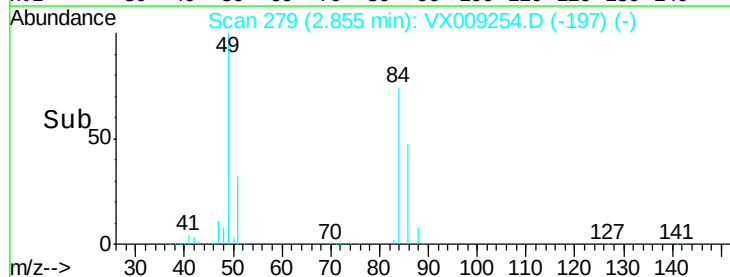
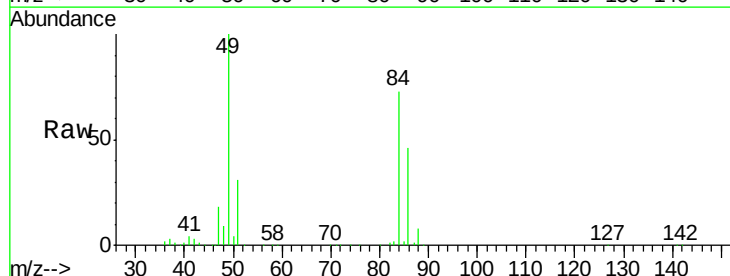
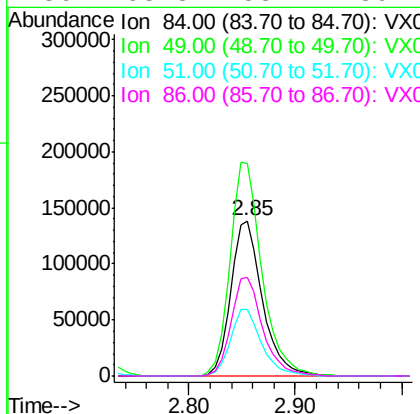
Manual Integrations
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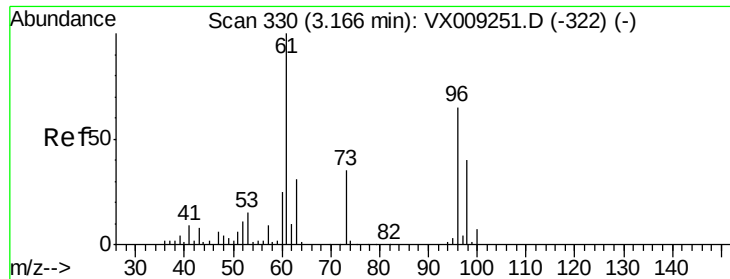
MMDadoda
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#18
Methylene Chloride
Concen: 157.549 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.0	114.6	171.8
51	42.6	35.5	53.3
86	63.3	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 159.582 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

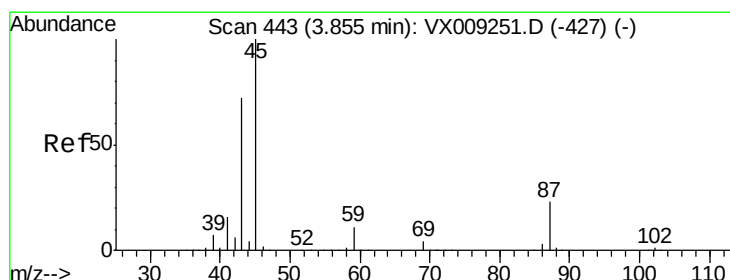
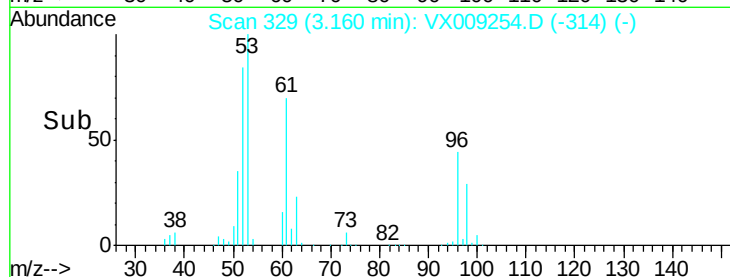
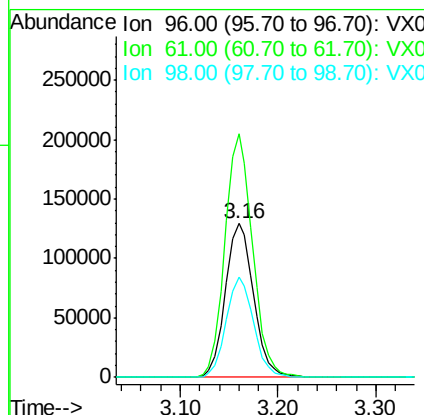
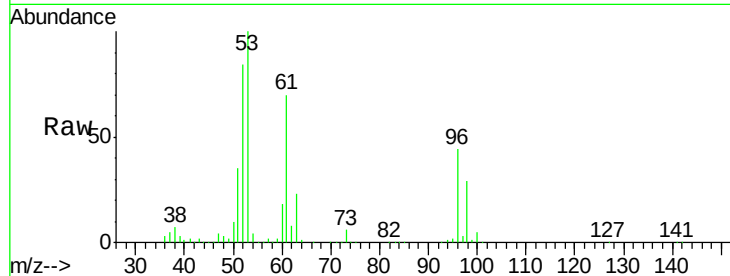
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	258035
Ion	Ratio	Lower	Upper
96	100		
61	158.4	122.7	184.1
98	64.9	49.5	74.3

Manual Integrations
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#20

Diisopropyl ether

Concen: 155.452 ug/l

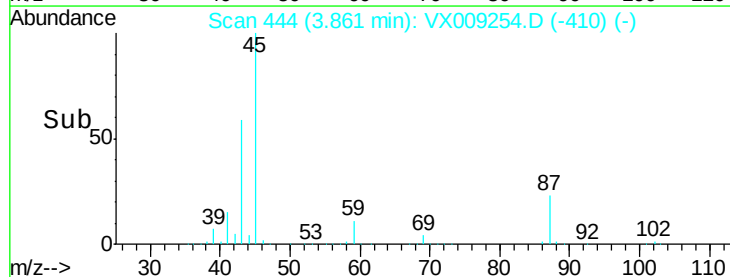
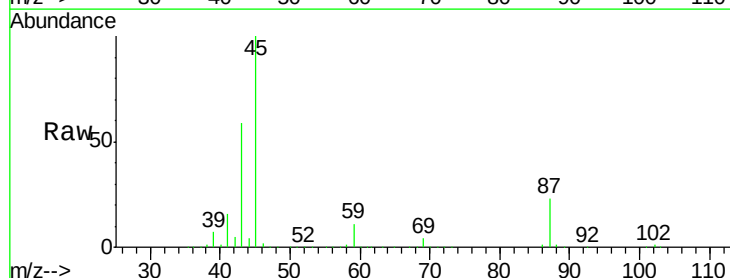
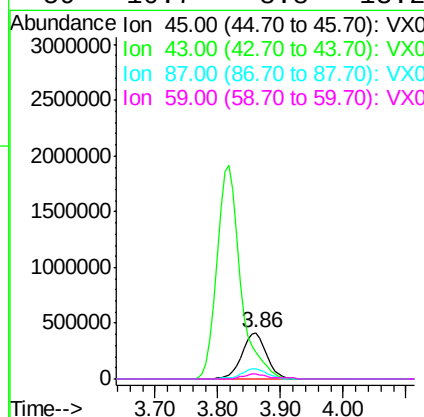
RT: 3.86 min Scan# 444

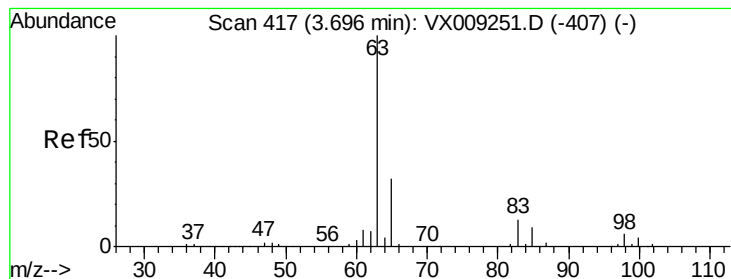
Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	45	Resp:	1117825
Ion	Ratio	Lower	Upper
45	100		
43	59.2	57.7	86.5
87	22.7	18.5	27.7
59	10.7	8.8	13.2





#21

1,1-Dichloroethane

Concen: 159.165 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

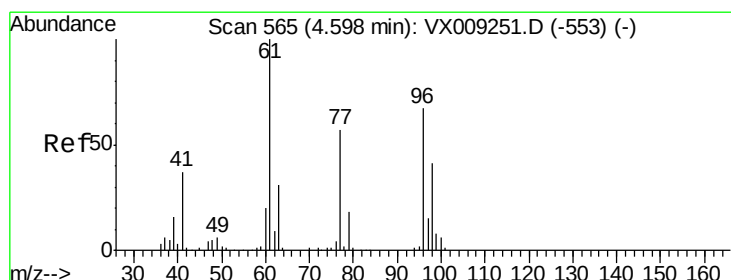
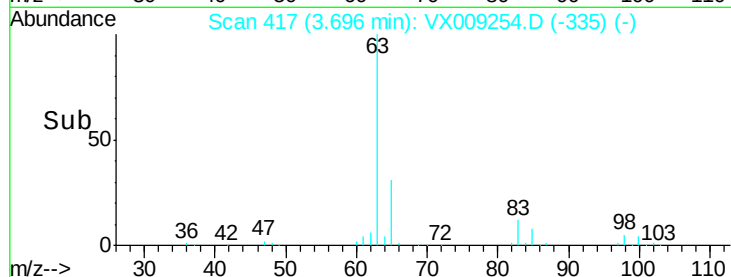
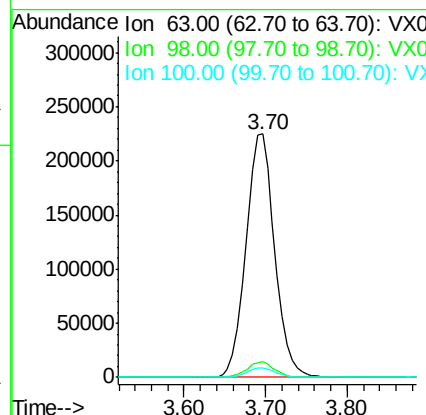
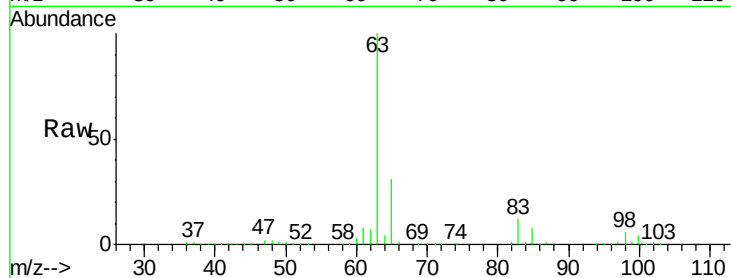
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	547698
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.1	9.3
100	3.8	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 158.127 ug/l

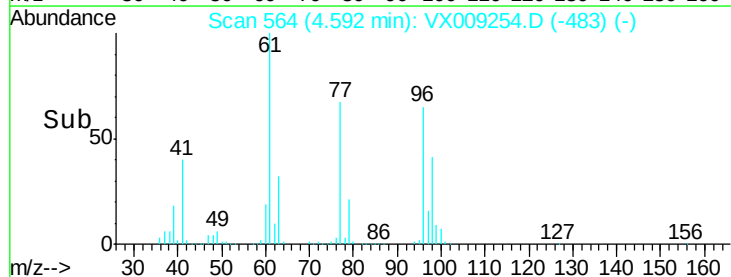
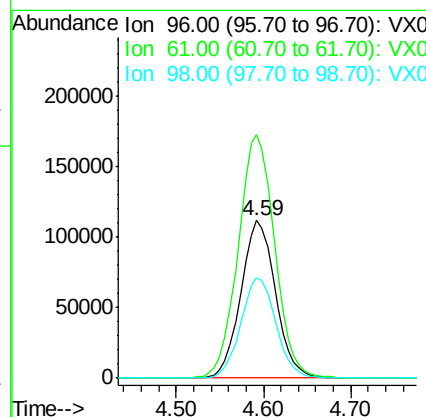
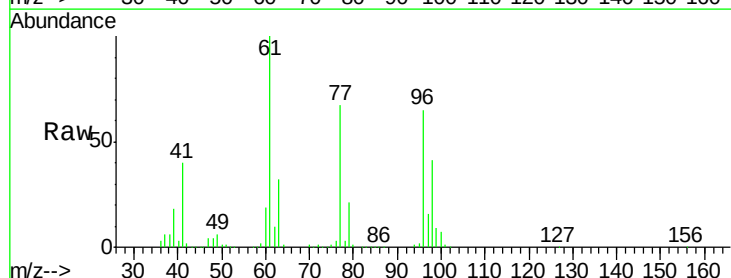
RT: 4.59 min Scan# 564

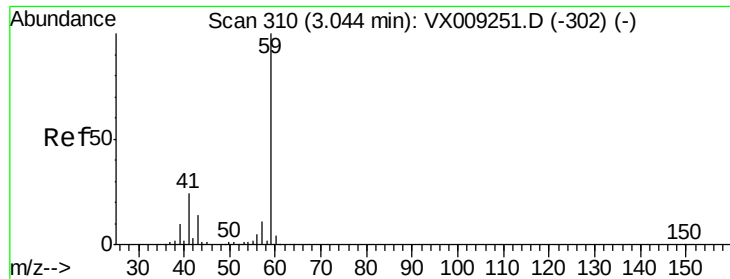
Delta R.T. -0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	96	Resp:	308112
Ion Ratio	Lower	Upper	
96	100		
61	162.5	127.7	191.5
98	64.6	50.5	75.7





#23

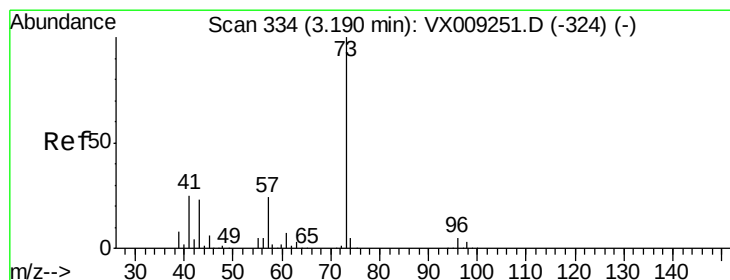
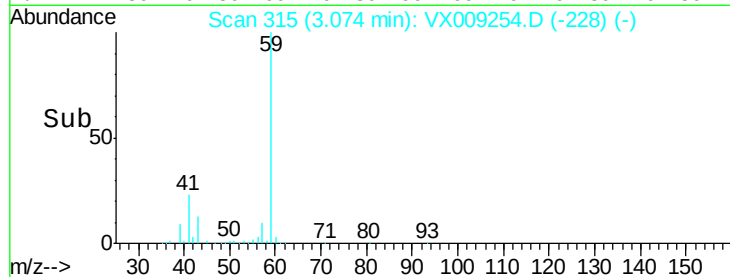
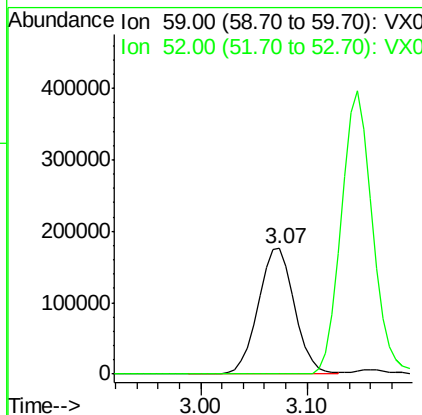
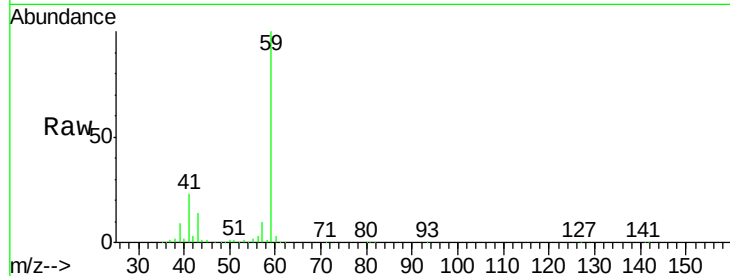
tert-Butyl Alcohol
Concen: 832.494 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.03 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	59	52	Ratio	Lower	Upper
419730	100	0.2		0.2	0.2

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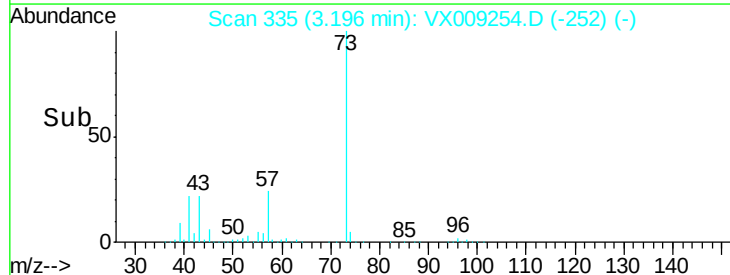
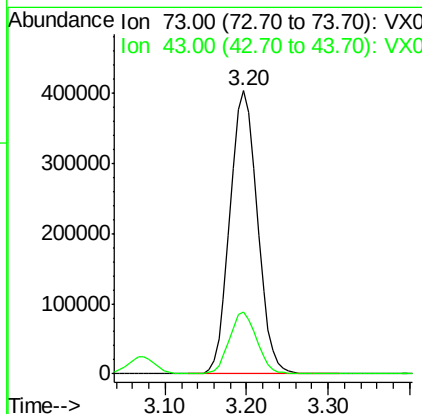
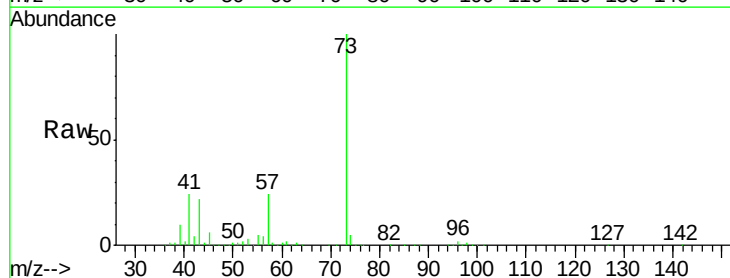
MMDadoda
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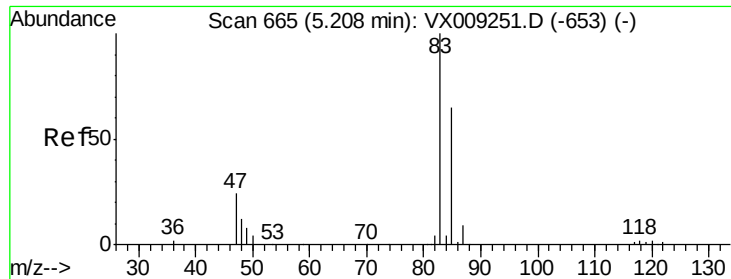


#24

Methyl tert-Butyl Ether
Concen: 160.618 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion	73	43	Ratio	Lower	Upper
938662	100	21.6		17.6	26.4





#25

Chloroform

Concen: 156.194 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 496766

Ion Ratio Lower Upper

83 100

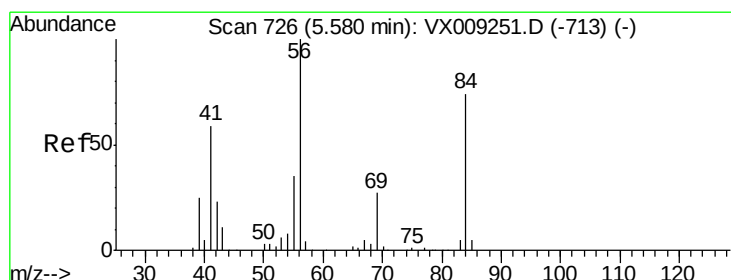
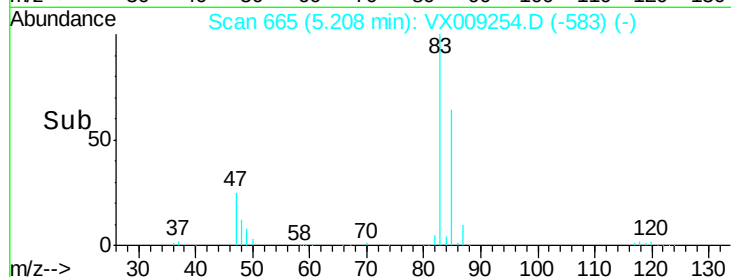
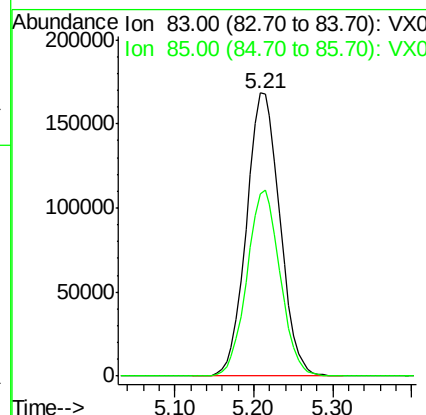
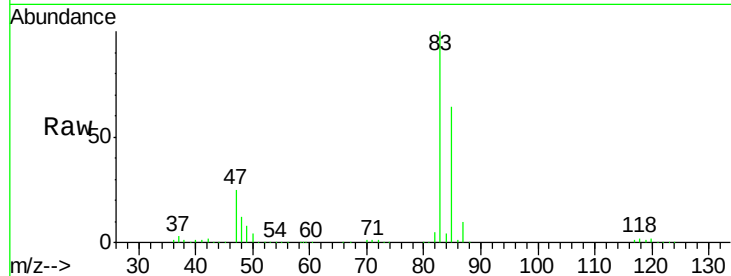
85 64.2 51.9 77.9

Manual Integrations

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#26

Cyclohexane

Concen: 158.328 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

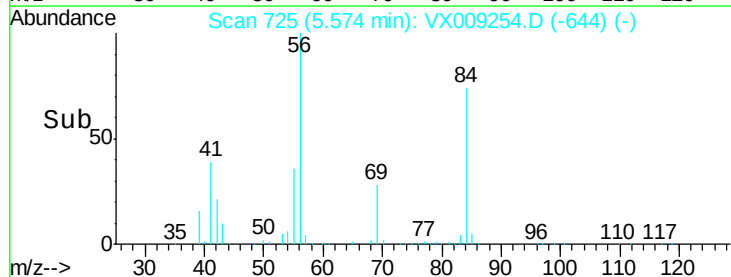
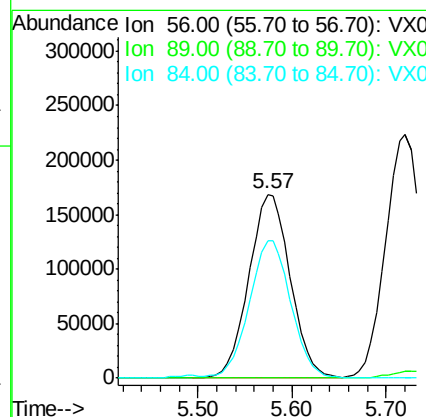
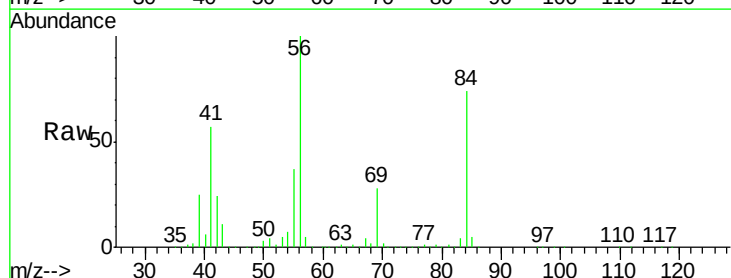
Tgt Ion: 56 Resp: 519113

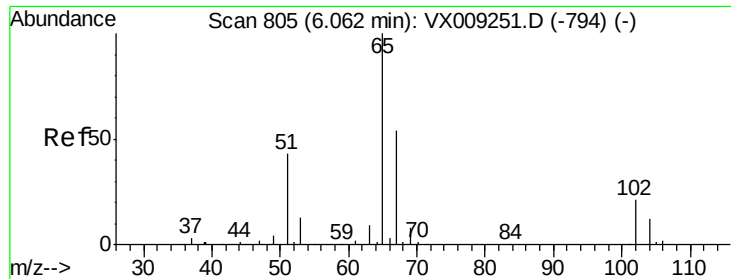
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 75.4 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 31.223 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 72878

Ion Ratio Lower Upper

65 100

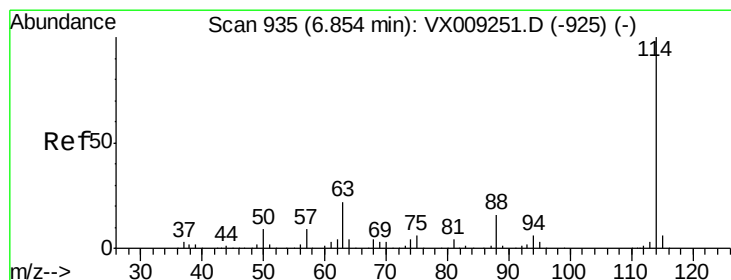
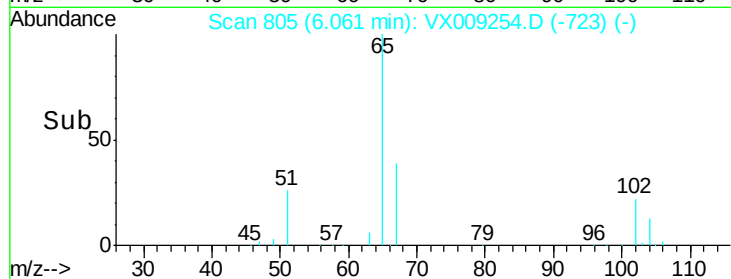
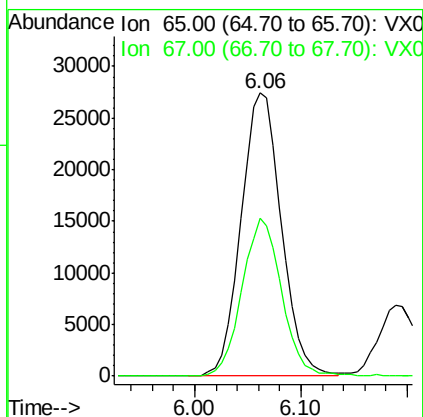
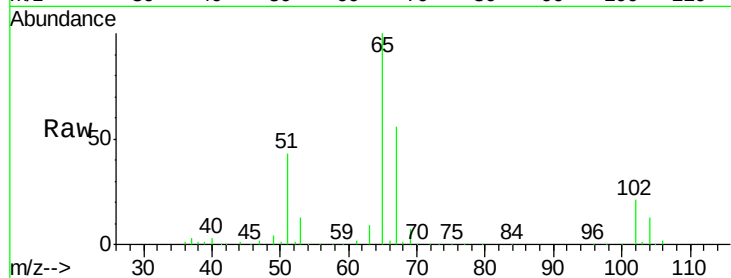
67 54.5 43.1 64.7

Manual Integrations

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5/2/2019 10:53:21 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

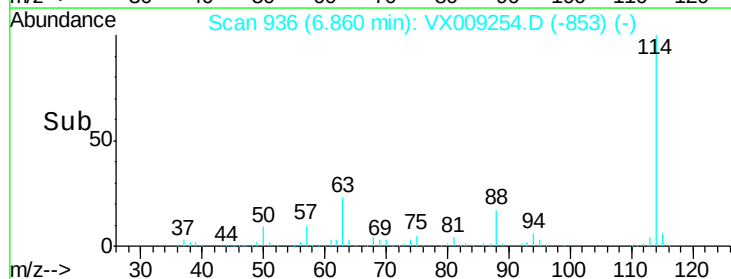
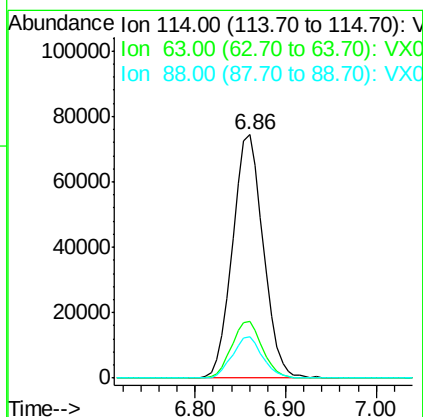
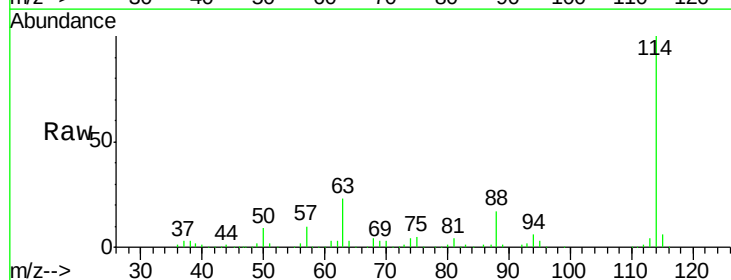
Tgt Ion: 114 Resp: 175453

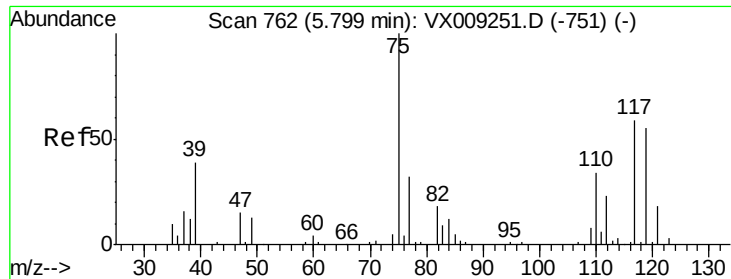
Ion Ratio Lower Upper

114 100

63 23.1 18.0 27.0

88 16.8 13.4 20.0





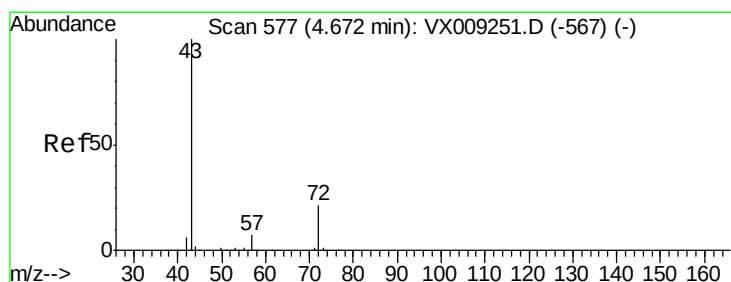
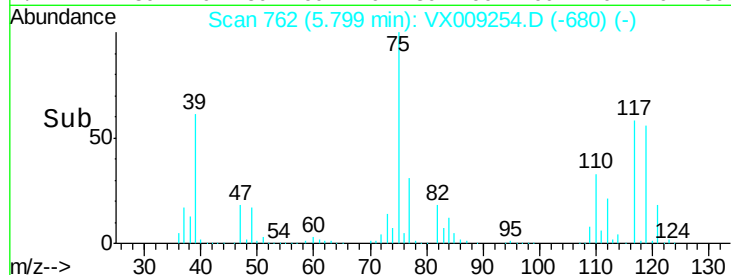
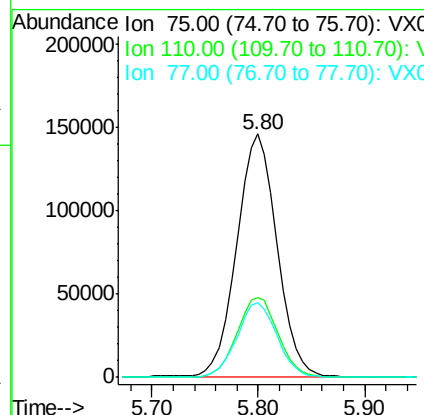
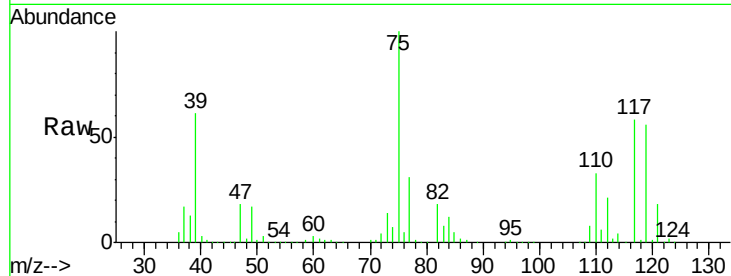
#29
 1,1-Dichloropropene
 Concen: 151.594 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.7	0.0	66.4
77	30.7	0.0	62.2

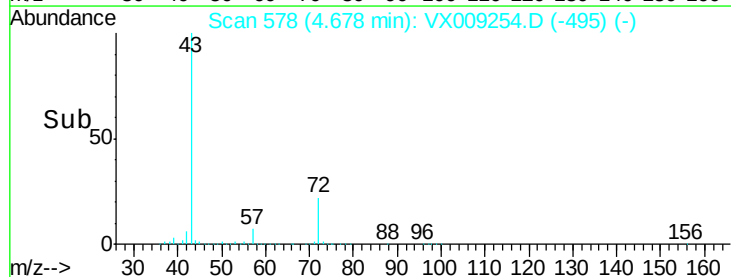
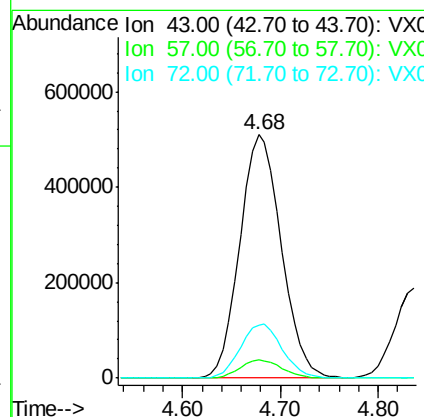
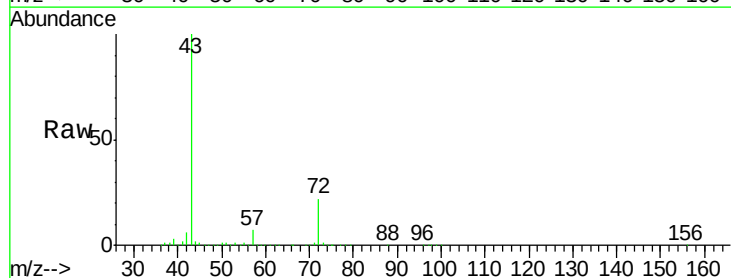
Manual Integrations
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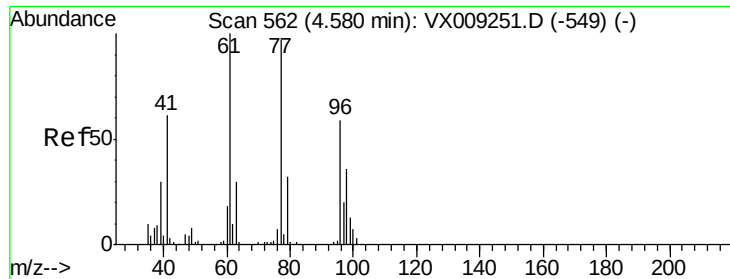
MMDadoda
 5/2/2019 10:53:21 AM



#30
 2-Butanone
 Concen: 750.516 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.4	6.0	9.0
72	22.4	18.2	27.4





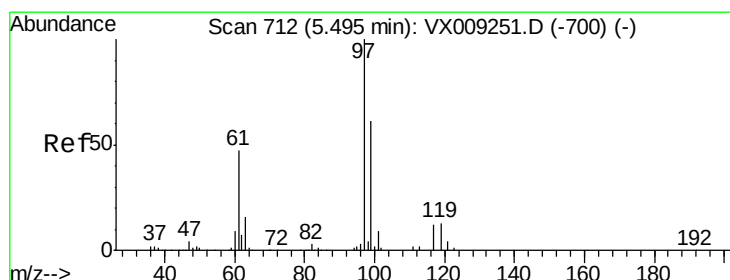
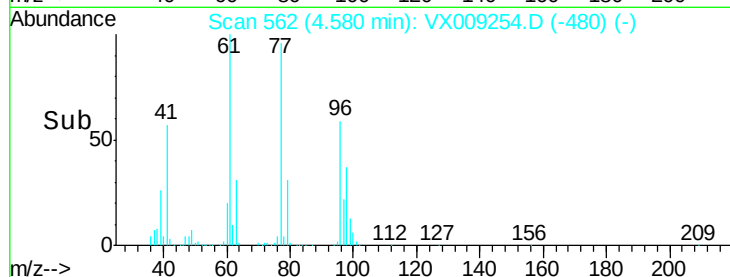
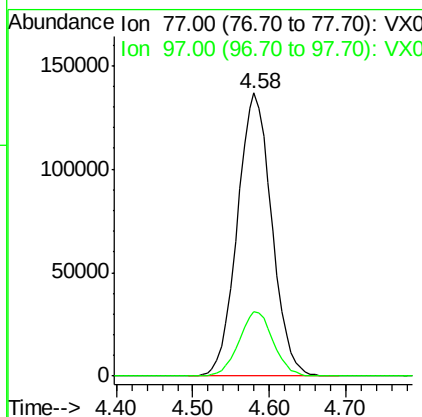
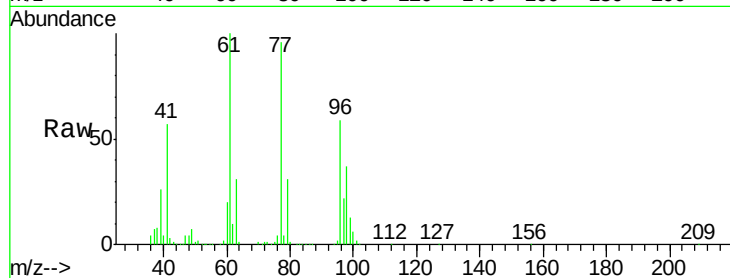
#31
 2,2-Dichloropropane
 Concen: 153.320 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion: 77 Resp: 426468
 Ion Ratio Lower Upper
 77 100
 97 22.7 18.3 27.5

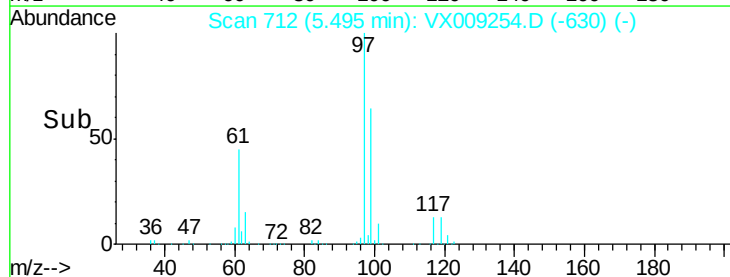
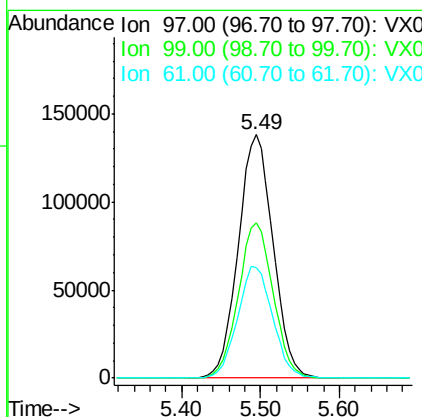
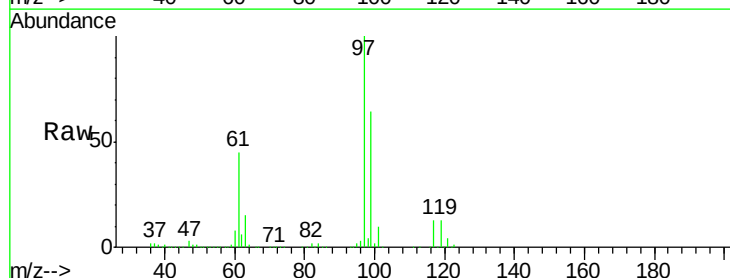
Manual Integrations
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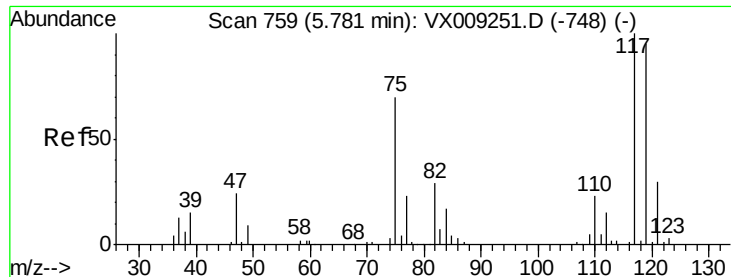
MMDadoda
 5/2/2019 10:53:21 AM



#32
 1,1,1-Trichloroethane
 Concen: 158.130 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion: 97 Resp: 423263
 Ion Ratio Lower Upper
 97 100
 99 63.7 53.9 80.9
 61 46.3 38.6 58.0





#33

Carbon Tetrachloride

Concen: 156.163 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

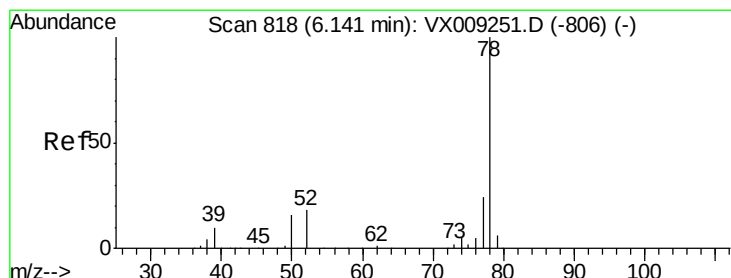
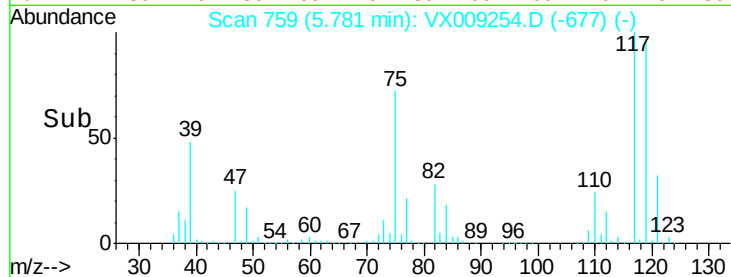
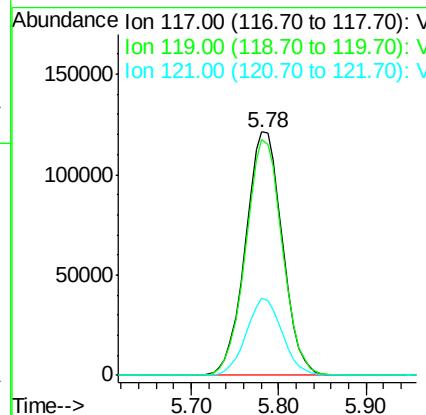
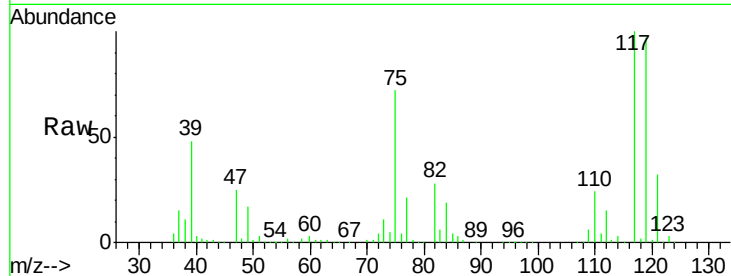
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	355350
Ion Ratio	Lower	Upper	
117	100		
119	96.8	76.1	114.1
121	31.7	24.4	36.6

Manual Integrations
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#34

Benzene

Concen: 148.835 ug/l

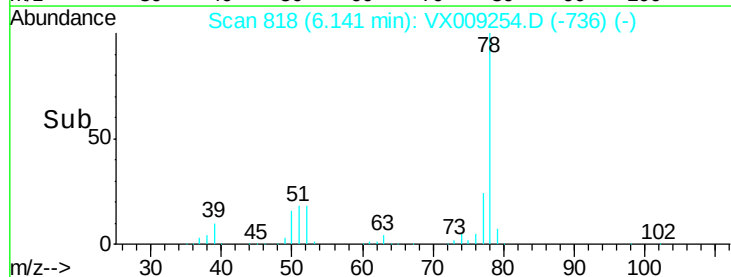
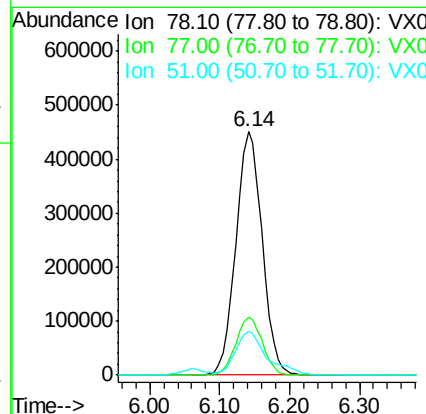
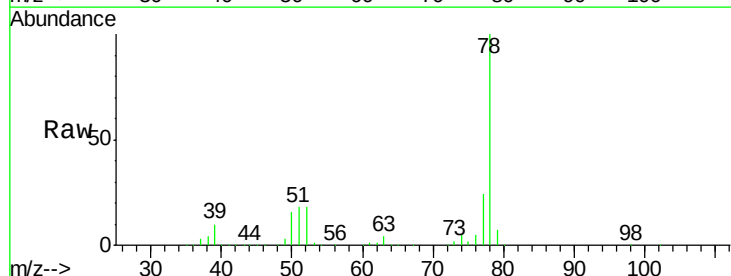
RT: 6.14 min Scan# 818

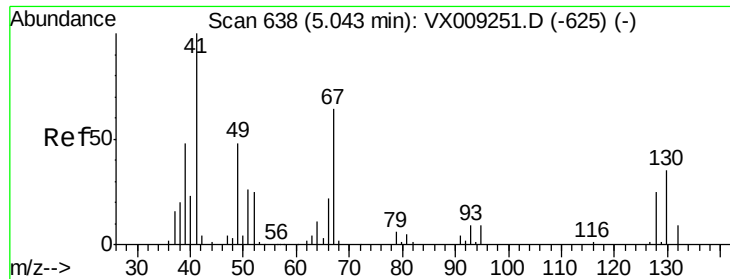
Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	78	Resp:	1175964
Ion Ratio	Lower	Upper	
78	100		
77	24.1	18.8	28.2
51	17.8	13.5	20.3





#35

Methacrylonitrile

Concen: 150.372 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 41 Resp: 314342

Ion Ratio Lower Upper

41 100

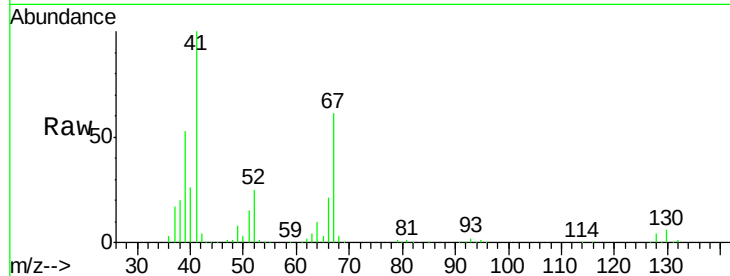
39 52.7 24.1 72.3

67 61.0 32.2 96.6

52 25.1 12.4 37.4

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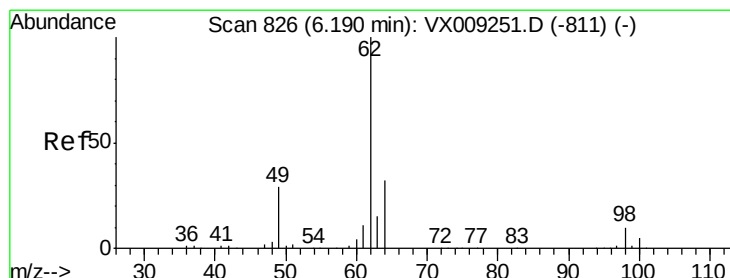
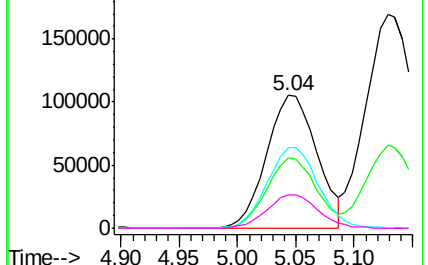
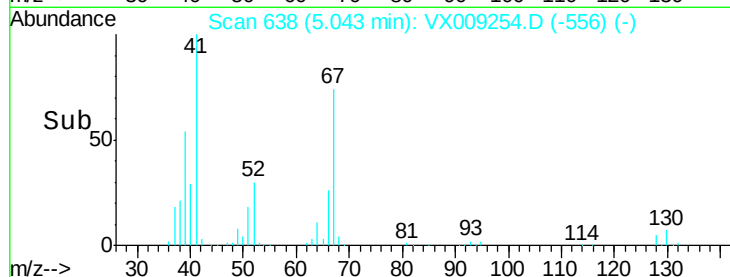


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#36

1,2-Dichloroethane

Concen: 147.888 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009254.D

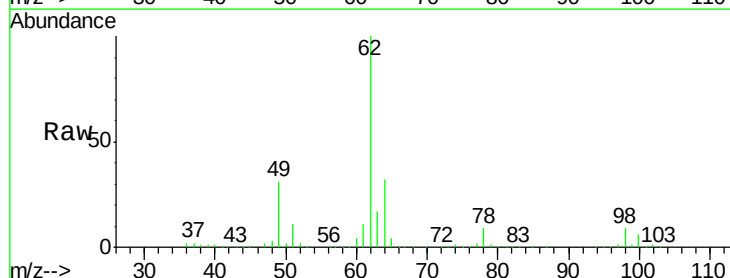
Acq: 01 May 2019 12:40

Tgt Ion: 62 Resp: 420938

Ion Ratio Lower Upper

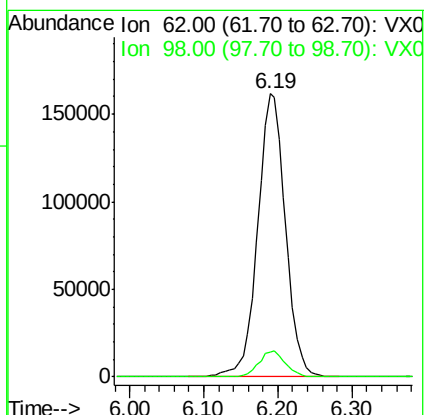
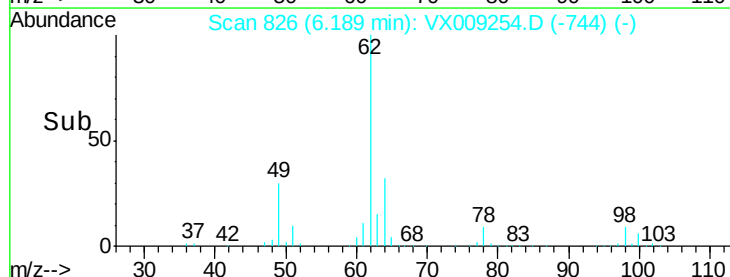
62 100

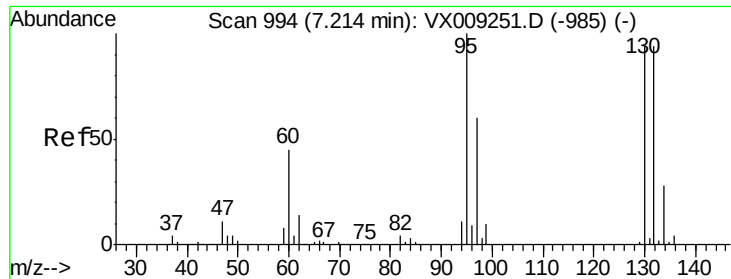
98 8.8 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 154.609 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 286152

Ion Ratio Lower Upper

130 100

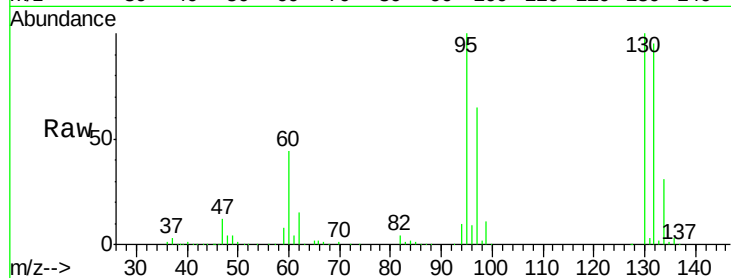
95 99.7 85.0 127.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

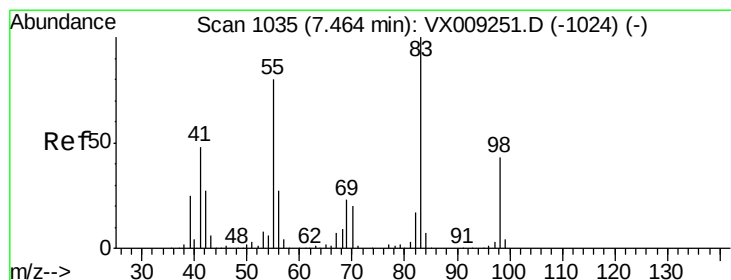
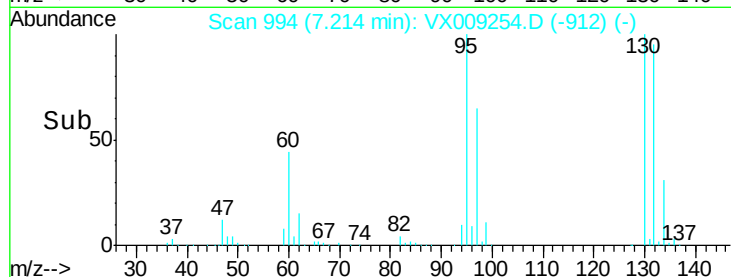
150000

100000

50000

0

Time--> 7.10 7.20 7.30



#38

Methylcyclohexane

Concen: 153.082 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

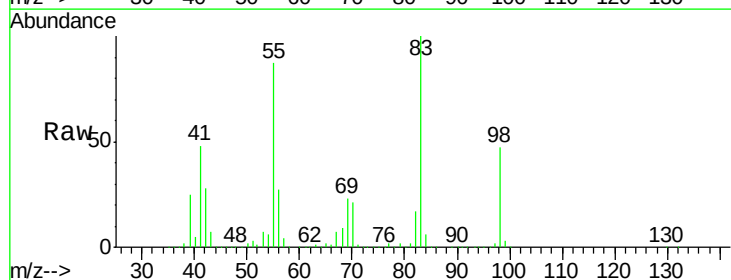
Tgt Ion: 83 Resp: 476866

Ion Ratio Lower Upper

83 100

55 85.9 43.0 129.2

98 44.9 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

300000

250000

200000

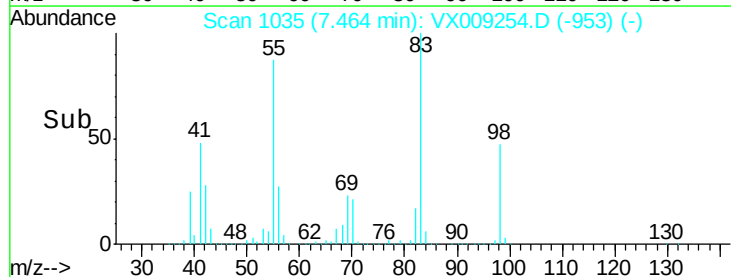
150000

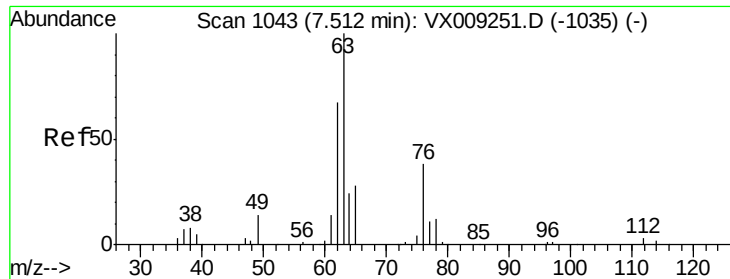
100000

50000

0

Time--> 7.40 7.50 7.60





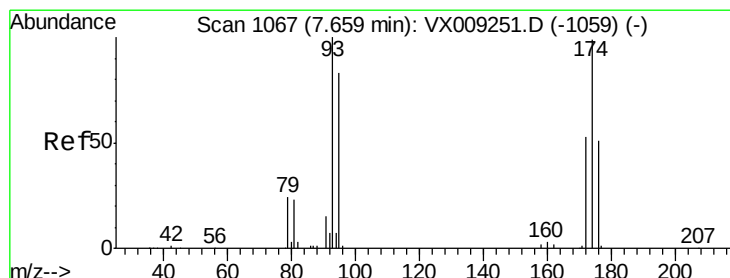
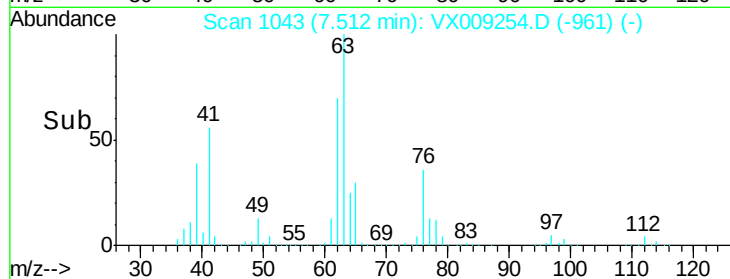
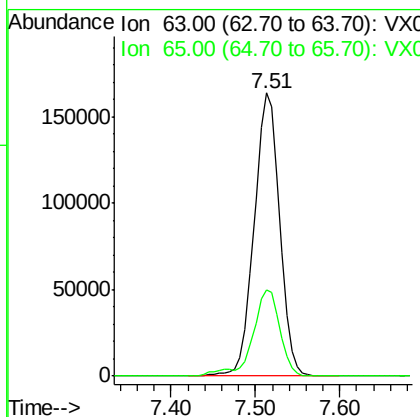
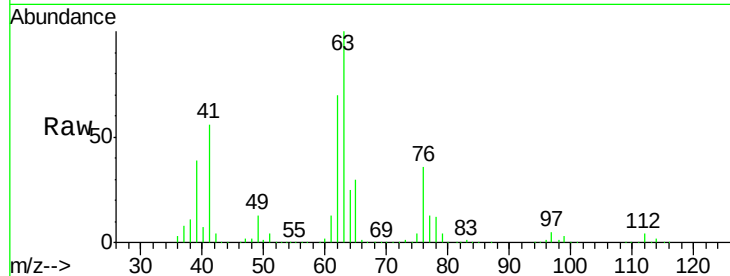
#39
 1,2-Dichloropropane
 Concen: 152.219 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.0	36.0

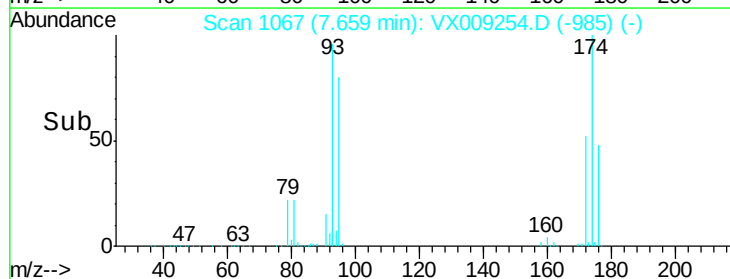
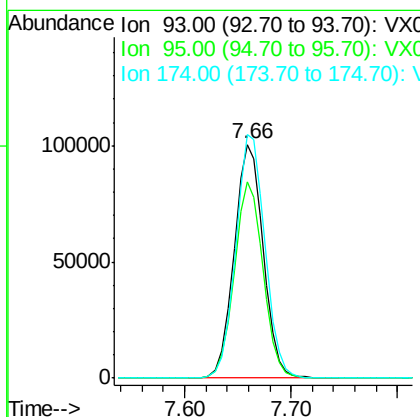
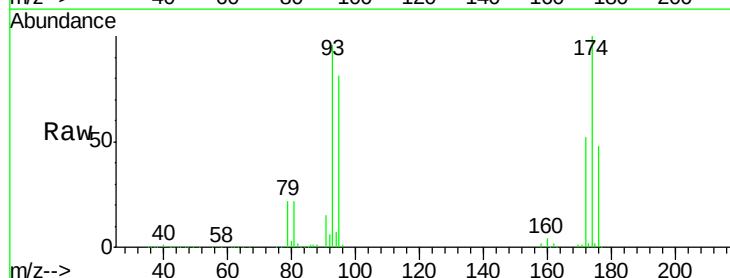
Manual Integrations
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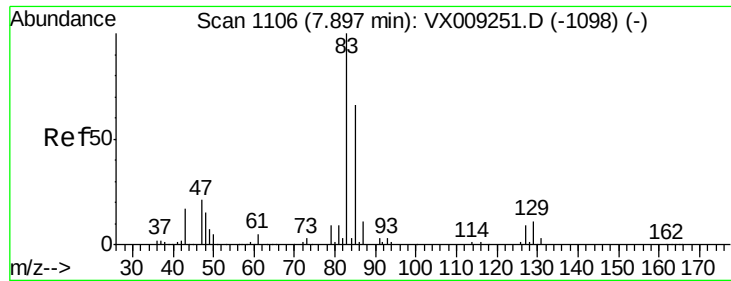
MMDadoda
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#40
 Dibromomethane
 Concen: 152.709 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	167.2
174	104.3	0.0	203.4





#41

Bromodichloromethane

Concen: 159.198 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

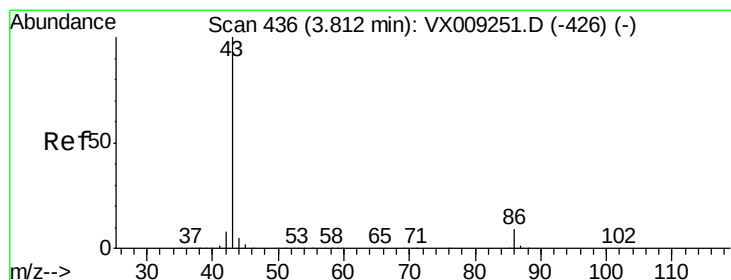
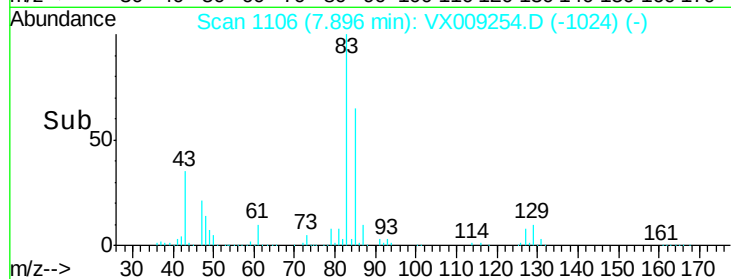
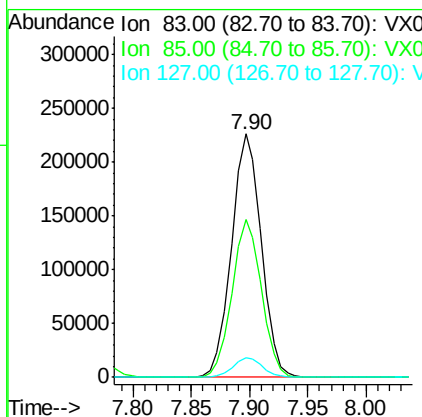
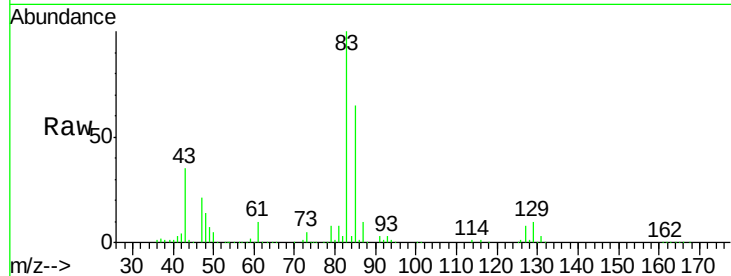
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	402785
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.6	79.0
127	8.1	6.9	10.3

Manual Integrations
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5/2/2019 10:53:21 AM



#42

Vinyl Acetate

Concen: 753.443 ug/l

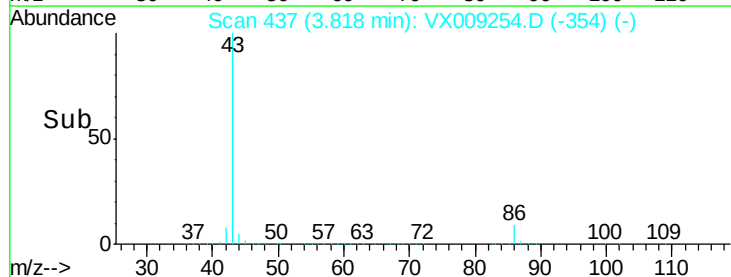
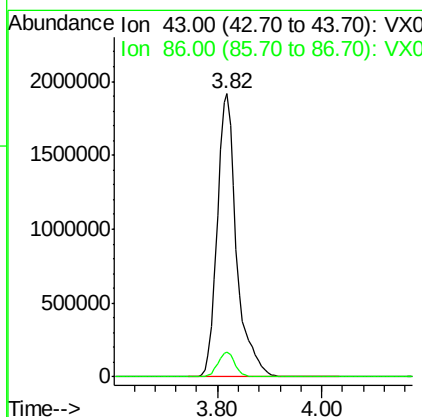
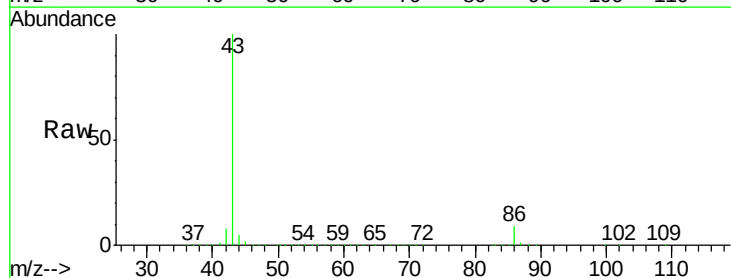
RT: 3.82 min Scan# 437

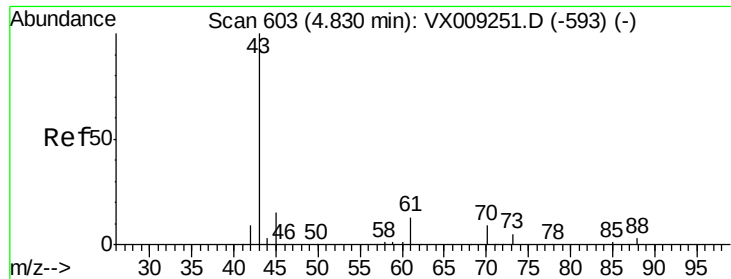
Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	43	Resp:	4981047
Ion Ratio	Lower	Upper	
43	100		
86	7.8	6.0	9.0





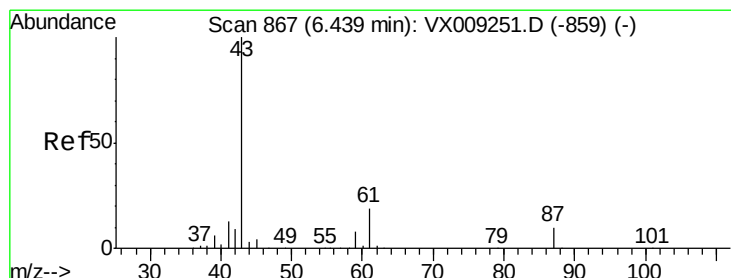
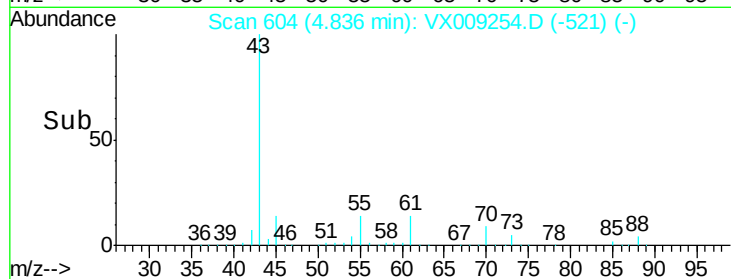
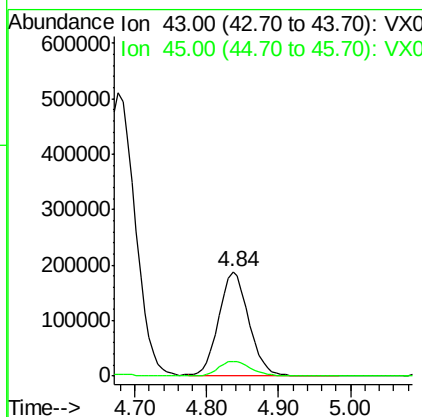
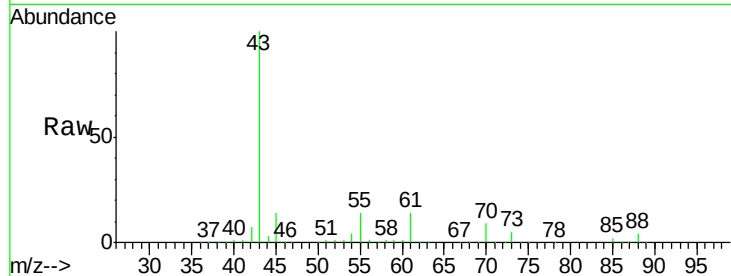
#43
Ethyl Acetate
Concen: 148.540 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 548130
Ion Ratio Lower Upper
43 100
45 15.0 11.8 17.8

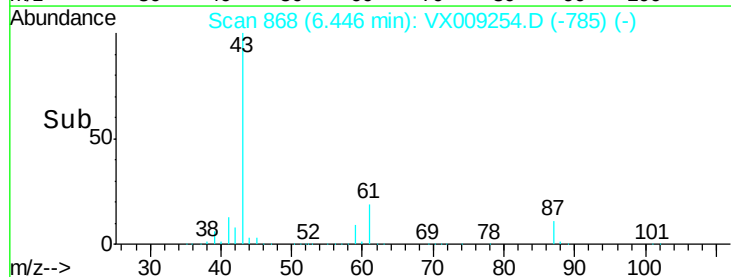
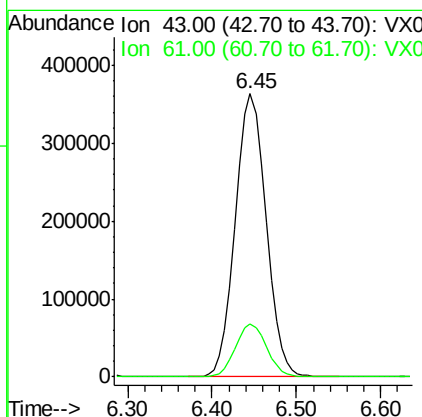
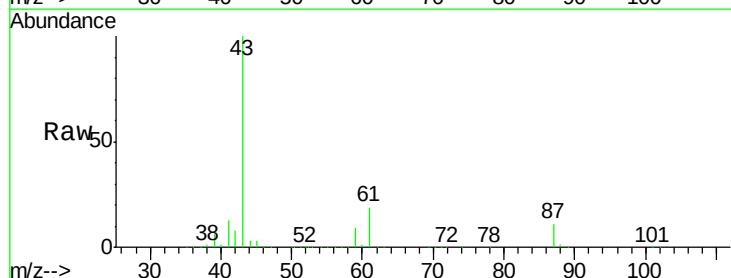
Manual Integrations
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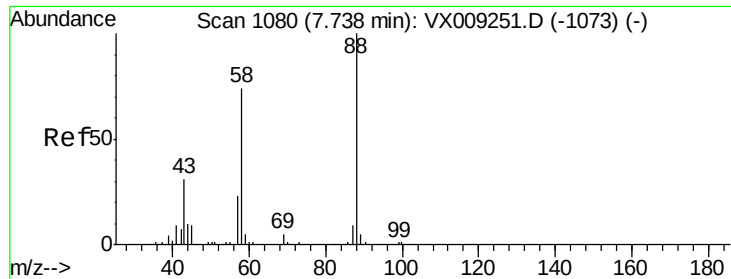
MMDadoda
5/2/2019 10:53:21 AM



#44
Isopropyl Acetate
Concen: 158.407 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion: 43 Resp: 899392
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.2





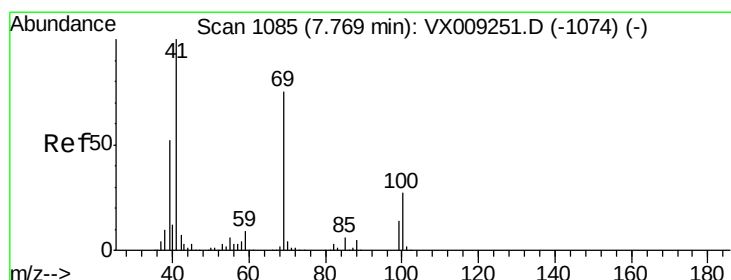
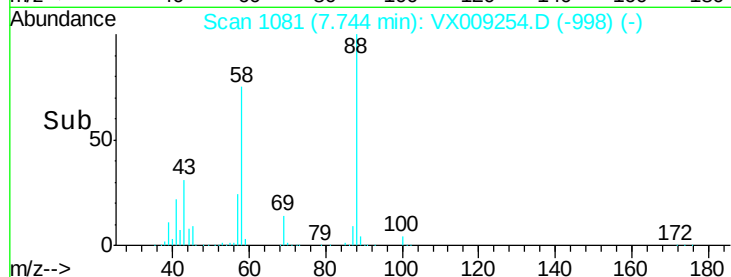
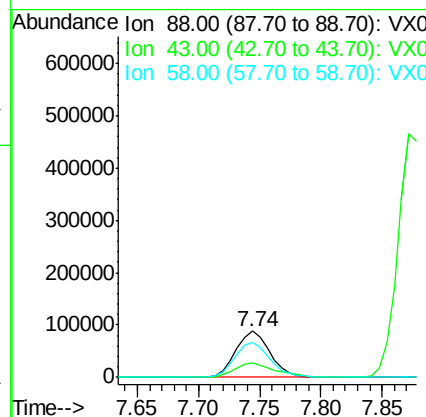
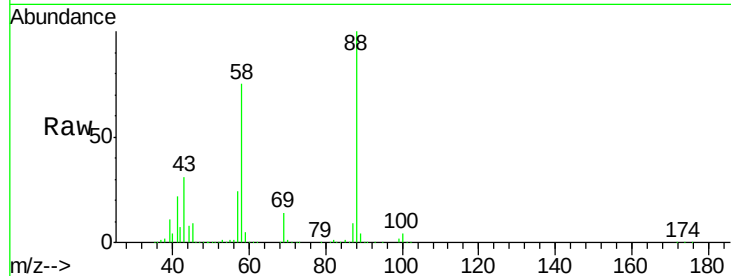
#45
 1,4-Dioxane
 Concen: 3022.978 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	170630		
43	36.4	28.5	42.7	
58	78.7	62.5	93.7	

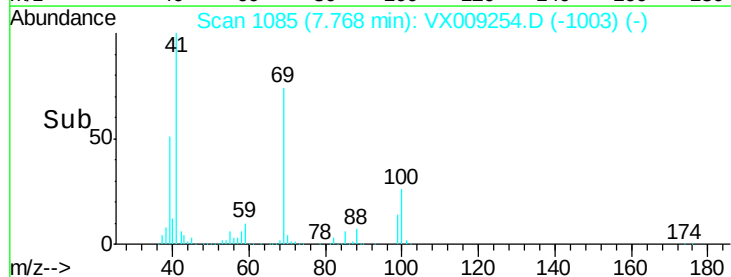
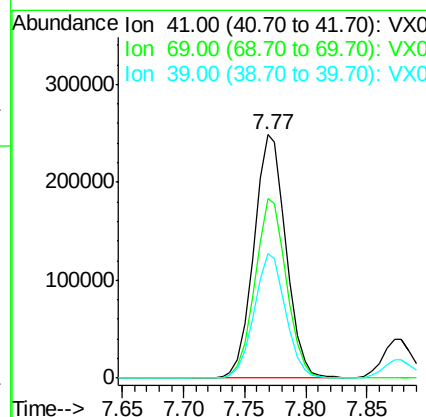
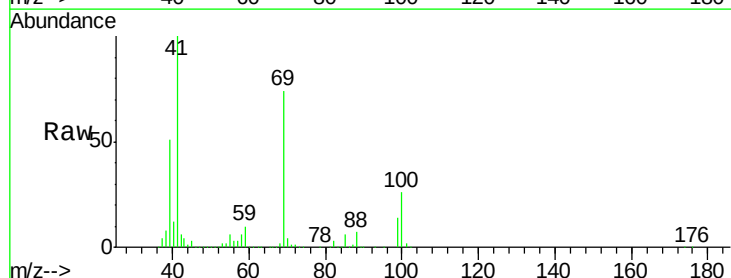
Manual Integrations
 APPROVED

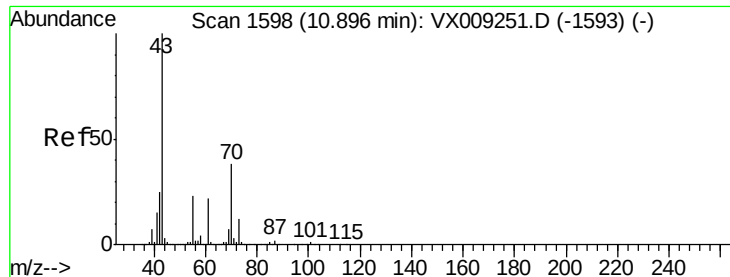
MMDadoda
 5/2/2019 10:53:21 AM



#46
 Methyl methacrylate
 Concen: 158.058 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	453657		
69	73.6	37.6	112.8	
39	51.0	25.8	77.3	





#47

n-amvl Acetate

Concen: 164.583 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 834396

Ion Ratio Lower Upper

43 100

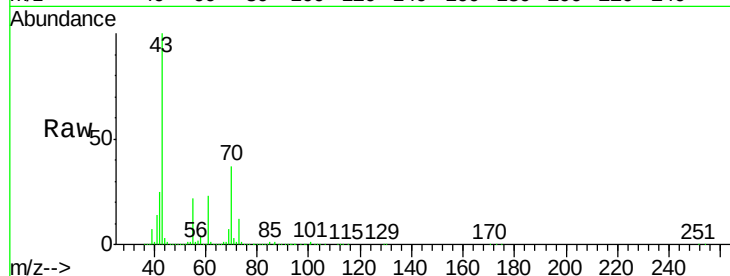
55 21.8 18.2 27.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

800000

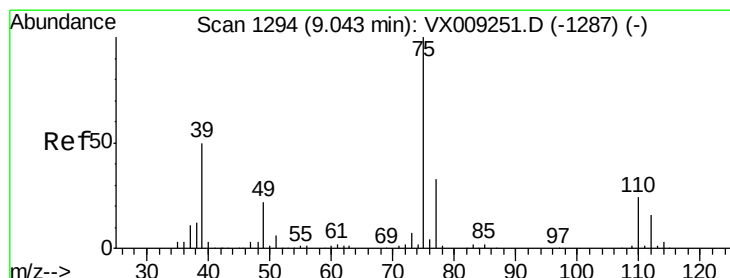
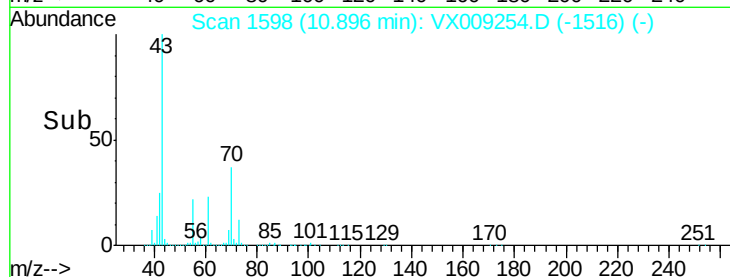
600000

400000

200000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 169.059 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009254.D

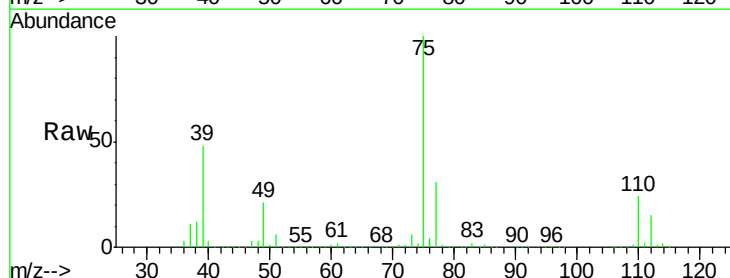
Acq: 01 May 2019 12:40

Tgt Ion: 75 Resp: 489126

Ion Ratio Lower Upper

75 100

77 31.3 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

400000

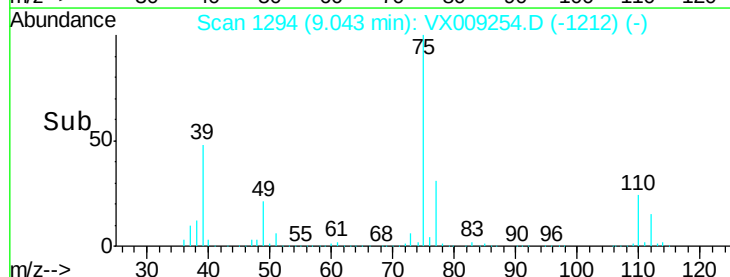
300000

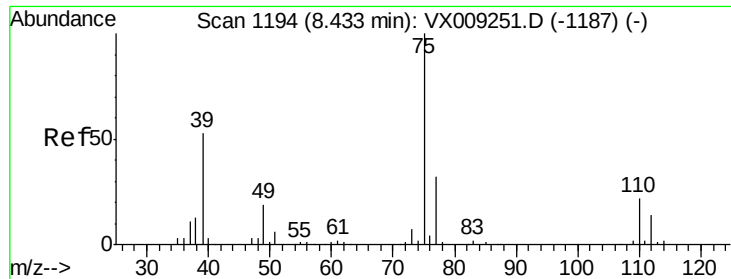
200000

100000

0

Time-->





#49

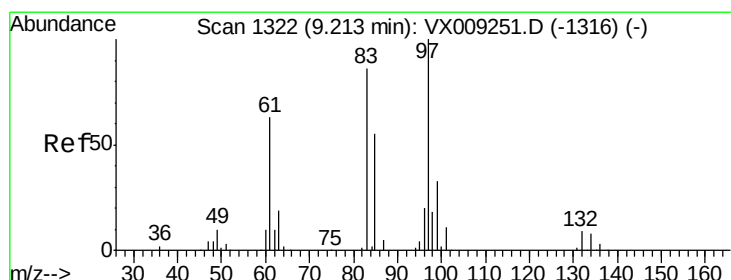
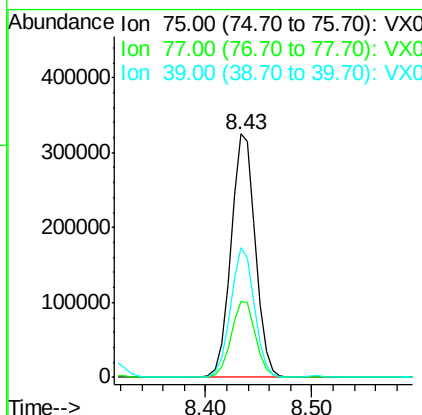
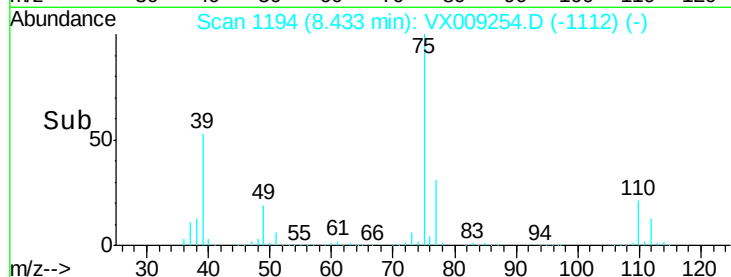
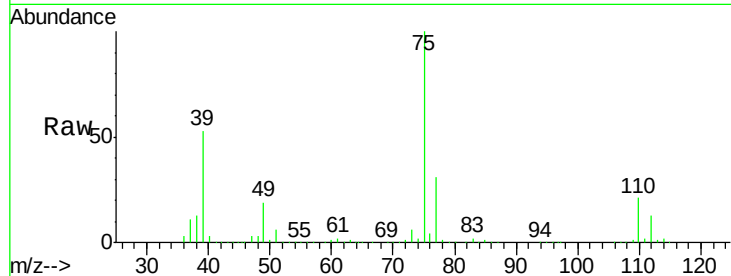
cis-1,3-Dichloropropene
 Concen: 161.289 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	75	Resp:	519515
Ion Ratio		Lower	Upper
75	100		
77	31.2	26.0	39.0
39	53.1	42.6	63.8

Manual Integrations
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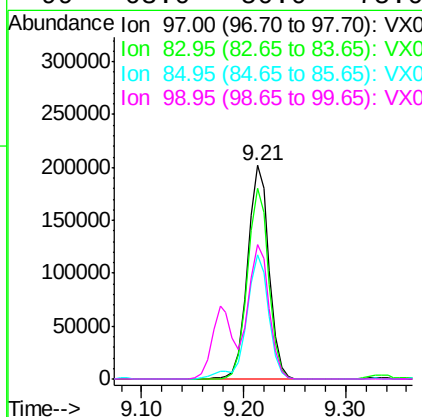
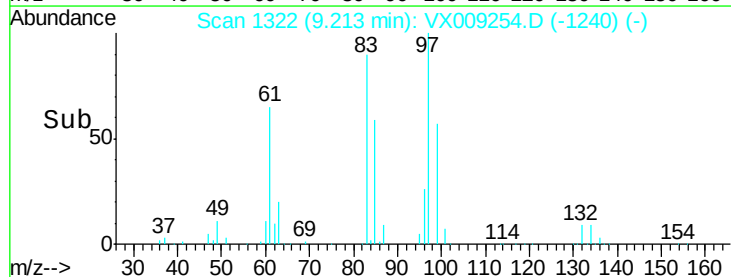
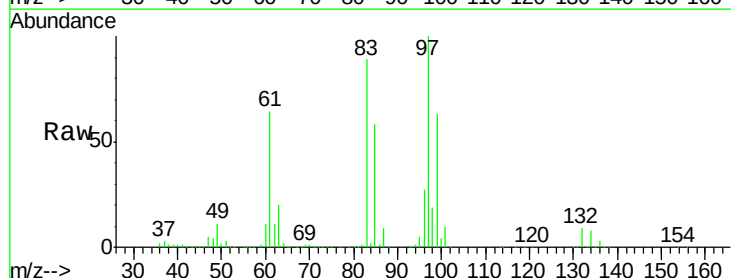
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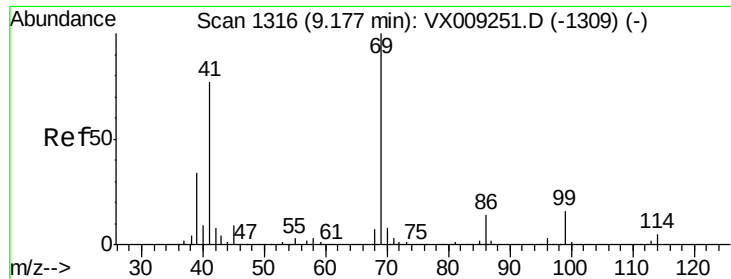


#50

1,1,2-Trichloroethane
 Concen: 152.151 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion:	97	Resp:	295120
Ion Ratio		Lower	Upper
97	100		
83	89.2	68.8	103.2
85	57.9	45.8	68.6
99	63.0	50.0	75.0





#51

Ethyl methacrylate

Concen: 161.988 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

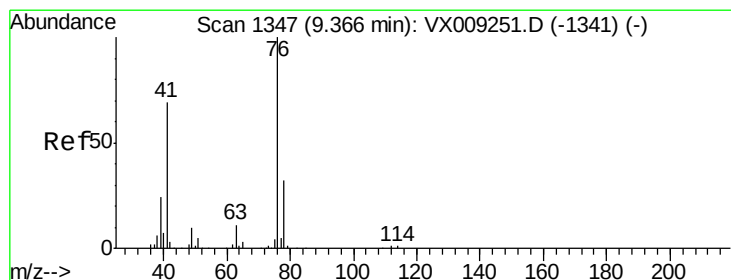
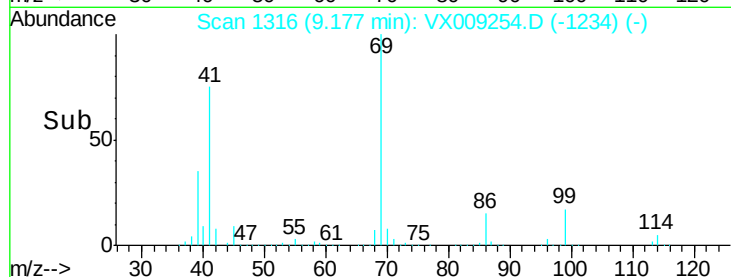
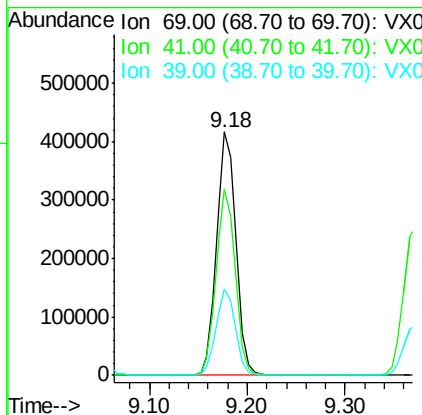
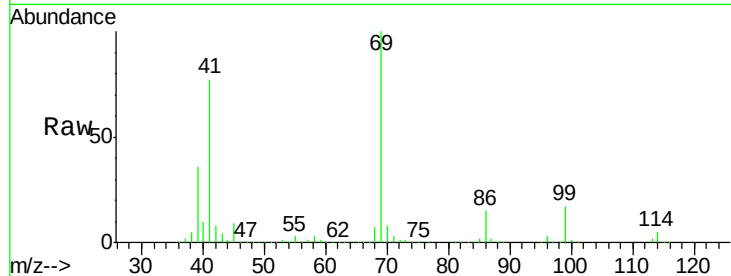
ClientSampled :

VSTDIC150

Tot Ion:	69	Resp:	570625
Ion	Ratio	Lower	Upper
69	100		
41	76.5	38.4	115.2
39	35.6	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 150.979 ug/l

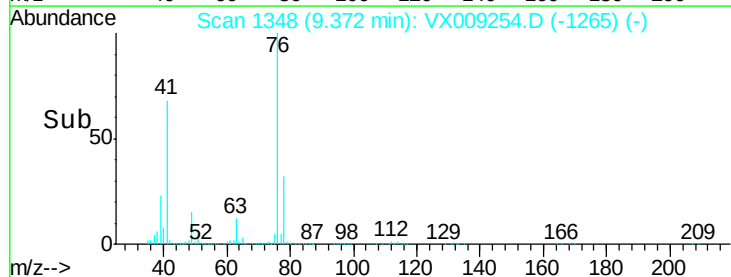
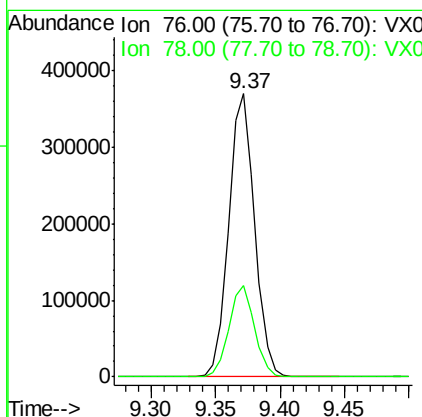
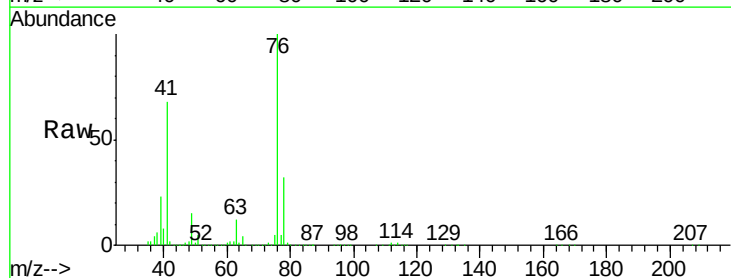
RT: 9.37 min Scan# 1348

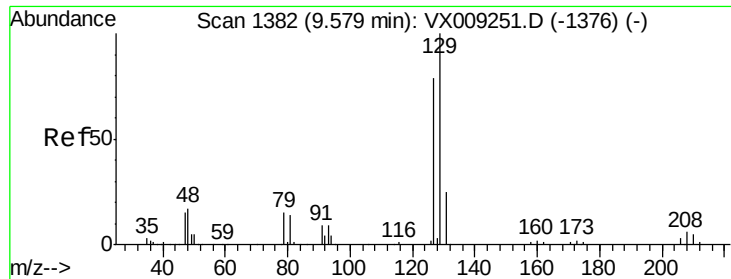
Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	76	Resp:	520211
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.2





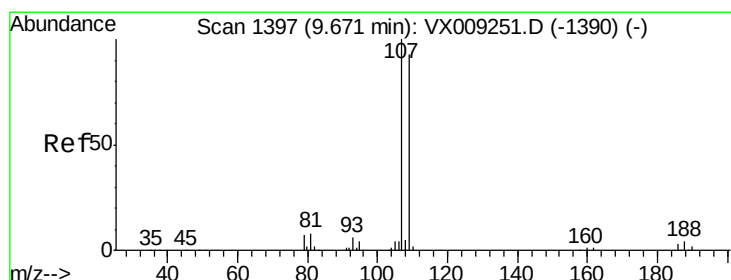
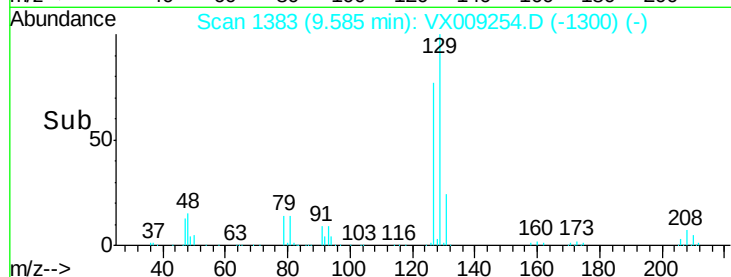
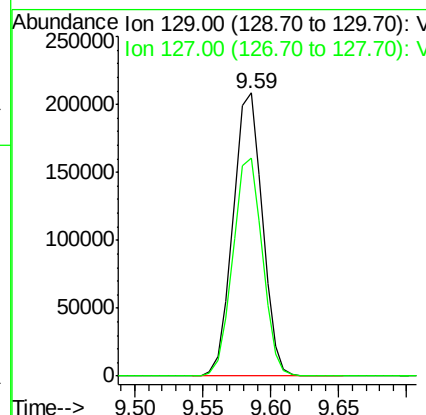
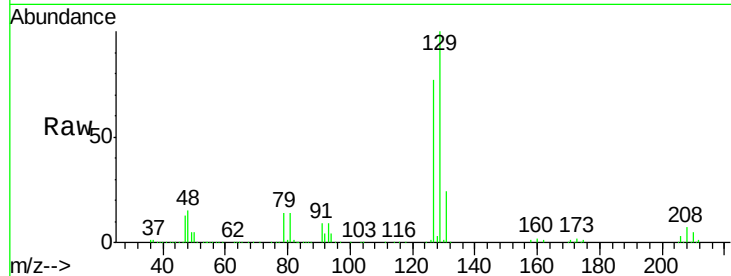
#53
 Dibromochloromethane
 Concen: 168.079 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.5

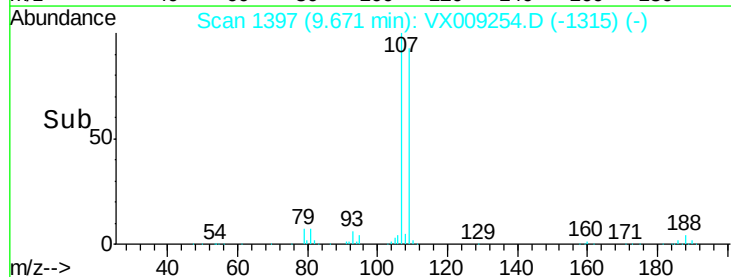
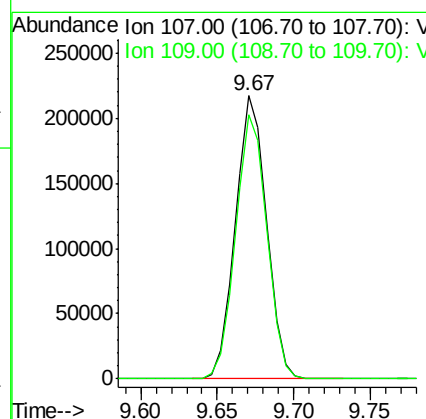
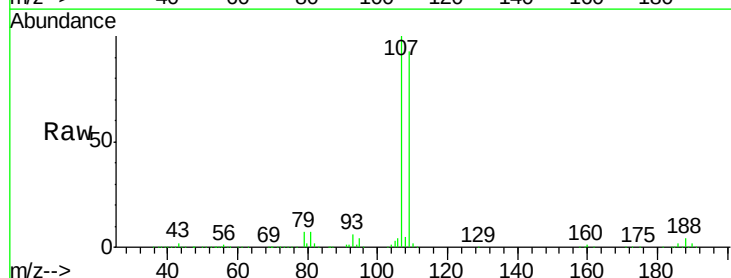
Manual Integrations
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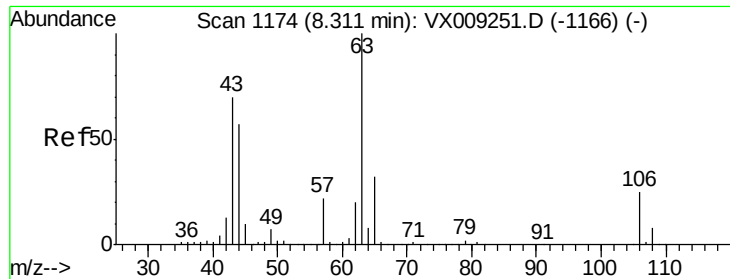
MMDadoda
 5/2/2019 10:53:21 AM



#54
 1,2-Dibromoethane
 Concen: 154.852 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.5	113.3





#55

2-Chloroethyl vinyl ether

Concen: 741.835 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 1472128

Ion Ratio Lower Upper

63 100

65 32.0 25.8 38.6

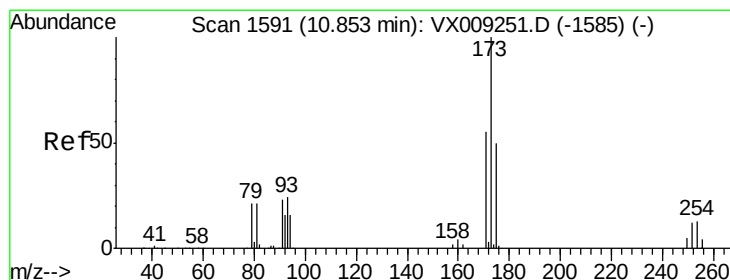
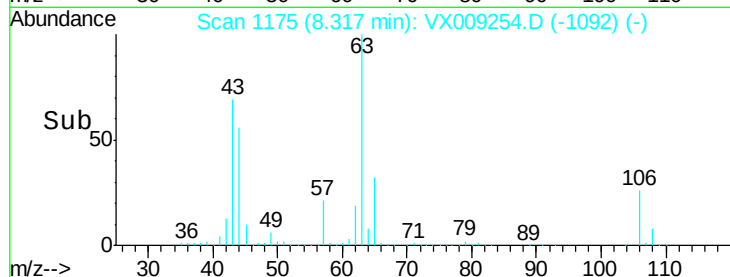
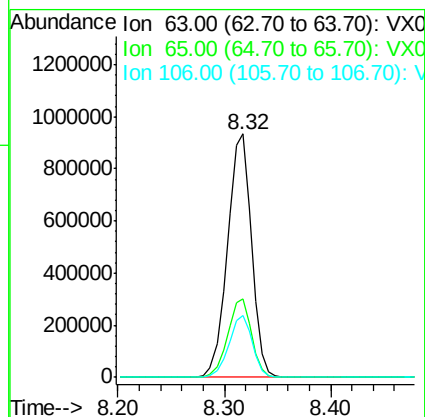
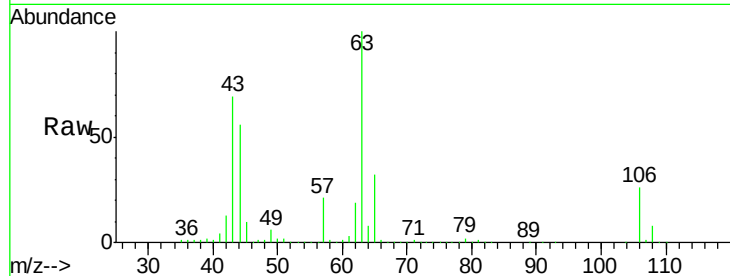
106 24.8 19.8 29.6

Manual Integrations

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#56

Bromoform

Concen: 180.598 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

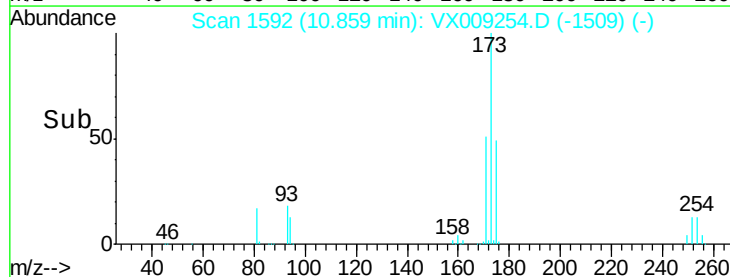
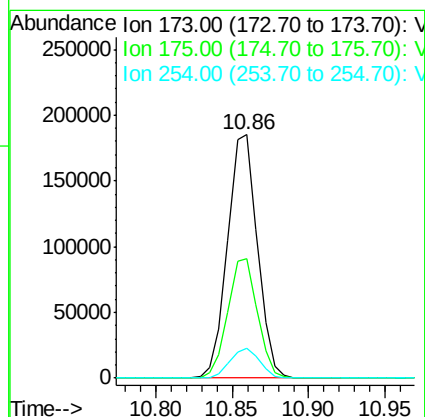
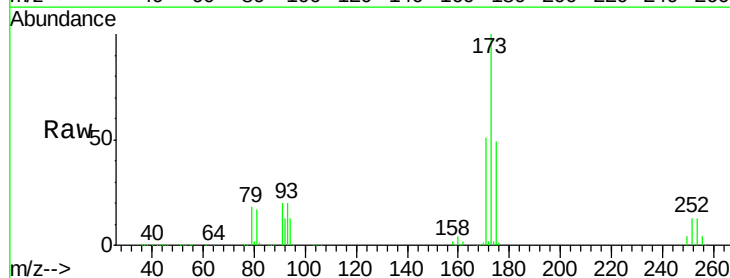
Tgt Ion: 173 Resp: 250293

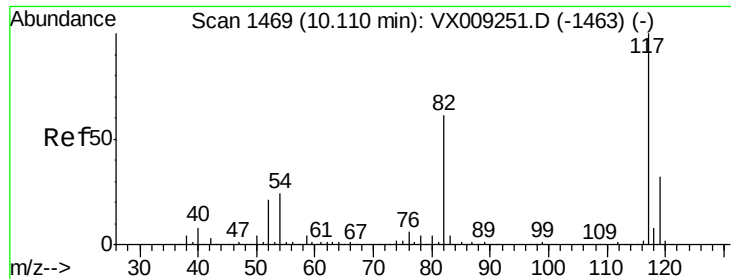
Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.2

254 12.3 9.9 14.9





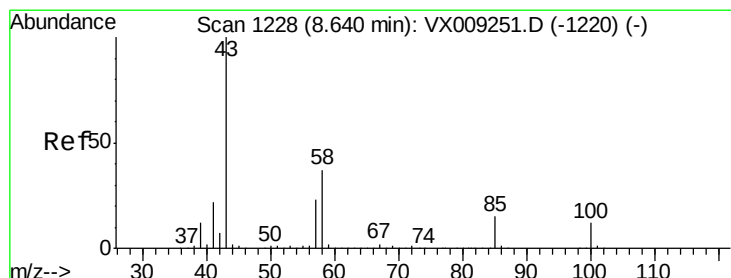
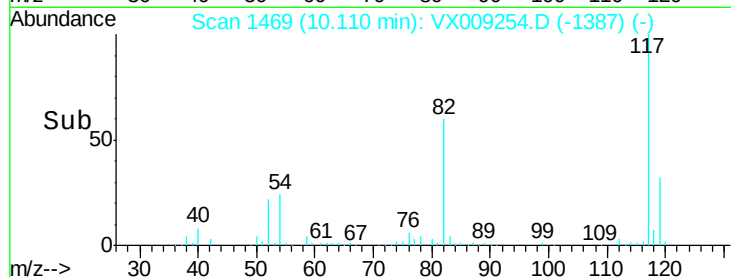
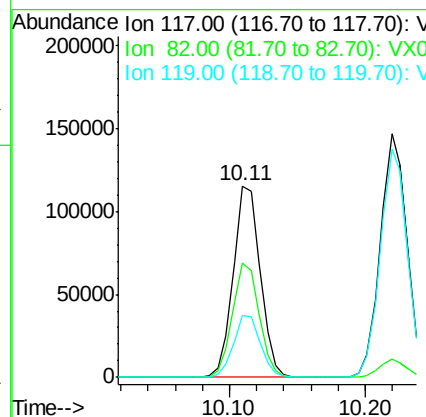
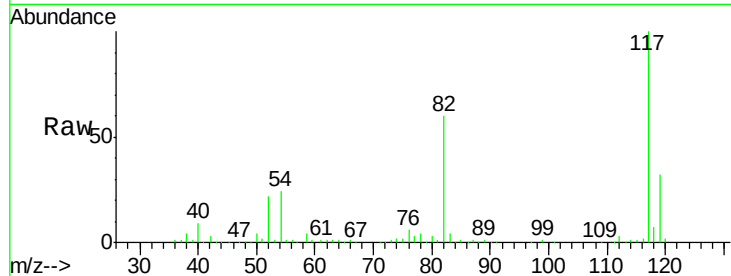
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.8	71.8
119	32.2	25.6	38.4

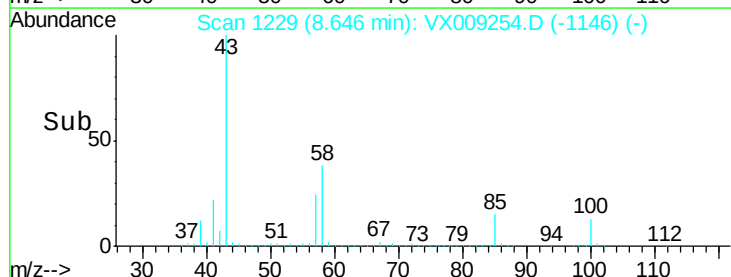
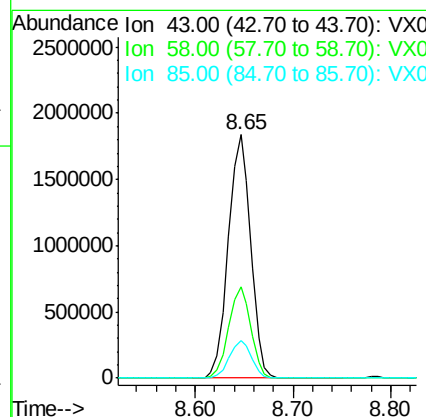
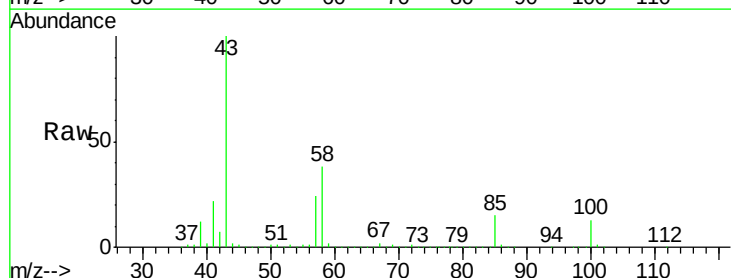
Manual Integrations
APPROVED

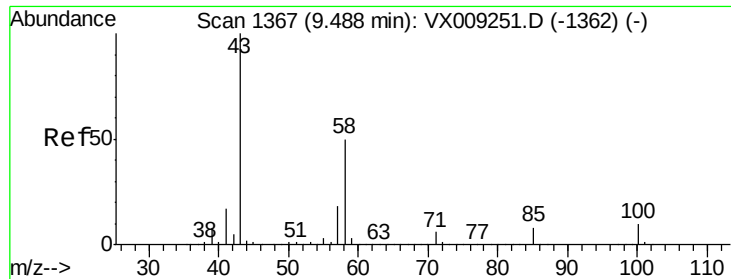
MMDadoda
5/2/2019 10:53:21 AM



#58
4-Methyl-2-Pentanone
Concen: 746.123 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.4	44.0
85	15.2	11.8	17.8





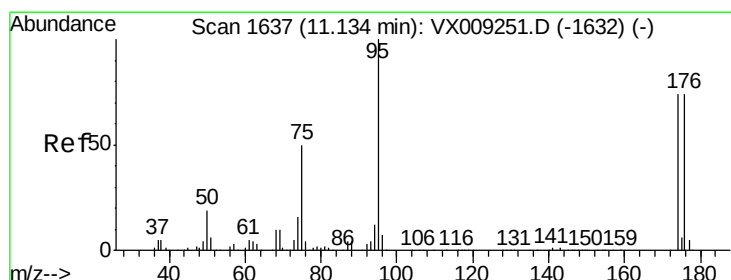
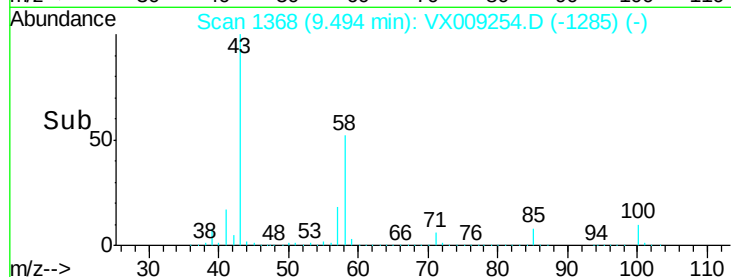
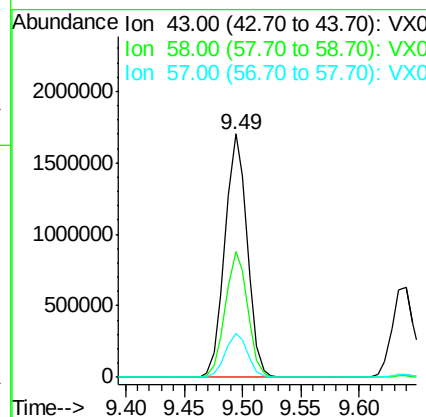
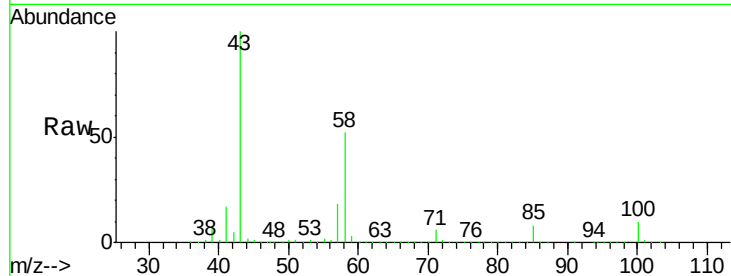
#59
2-Hexanone
Concen: 730.929 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2246432
Ion Ratio Lower Upper
43 100
58 51.8 40.8 61.2
57 18.1 14.1 21.1

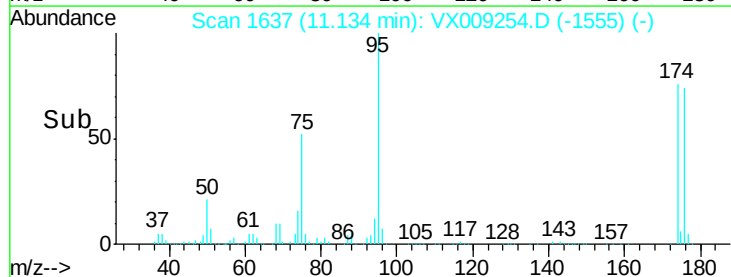
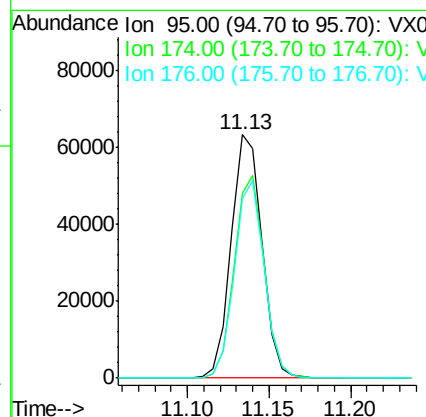
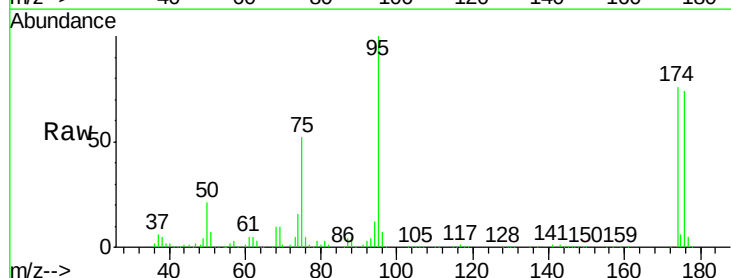
Manual Integrations
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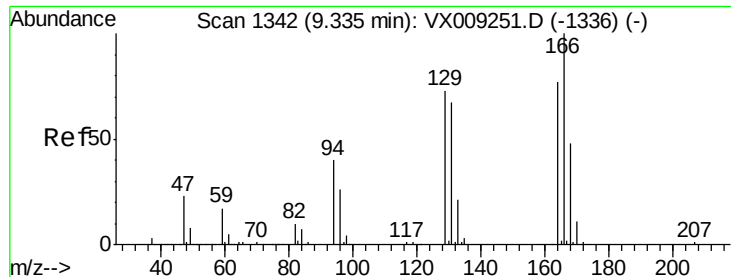
MMDadoda
5/2/2019 10:53:21 AM



#60
4-Bromofluorobenzene
Concen: 30.309 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion: 95 Resp: 82893
Ion Ratio Lower Upper
95 100
174 81.1 63.6 95.4
176 78.8 62.4 93.6





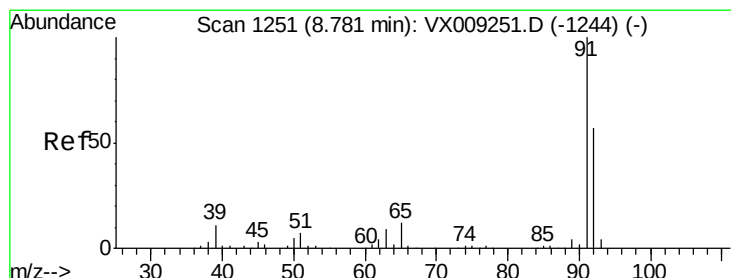
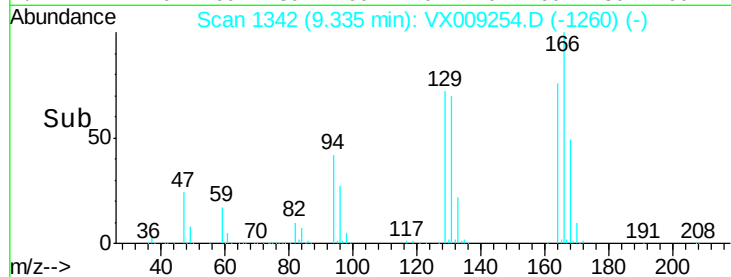
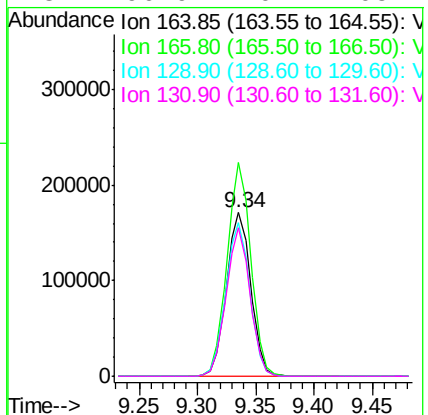
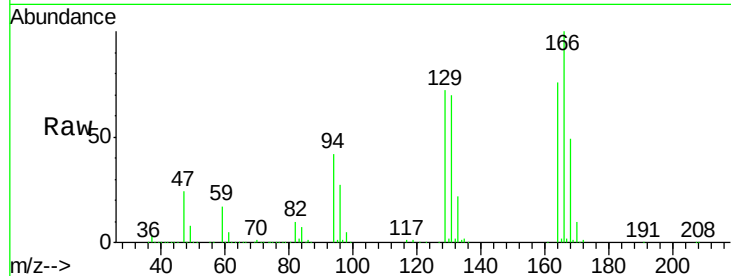
#61
Tetrachloroethene
Concen: 141.348 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.1	156.1
129	94.3	76.0	114.0
131	90.9	70.1	105.1

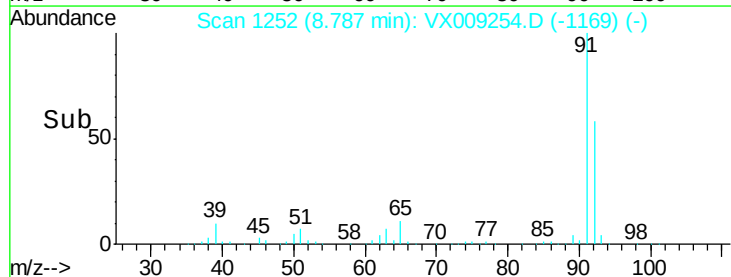
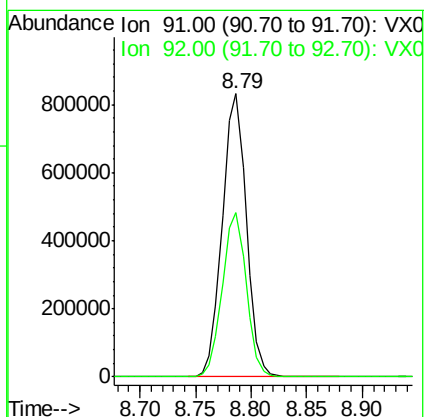
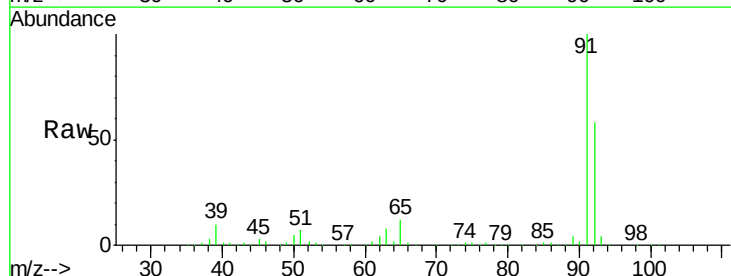
Manual Integrations
APPROVED

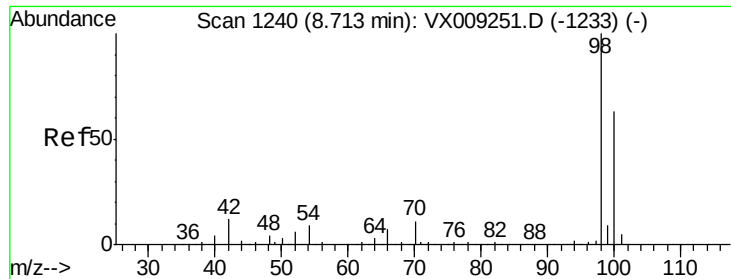
MMDadoda
5/2/2019 10:53:21 AM



#62
Toluene
Concen: 145.612 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.9	46.1	69.1





#63

Toluene-d8

Concen: 29.034 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 98 Resp: 223639

Ion Ratio Lower Upper

98 100

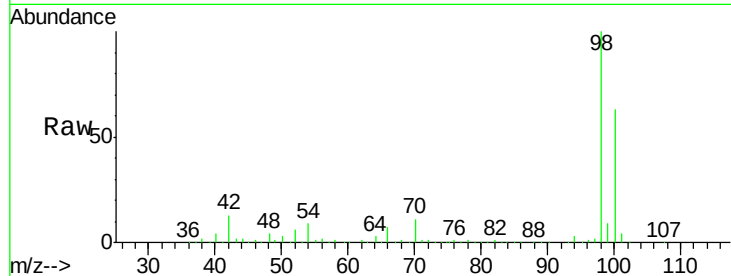
100 63.9 52.3 78.5

Manual Integrations

APPROVED

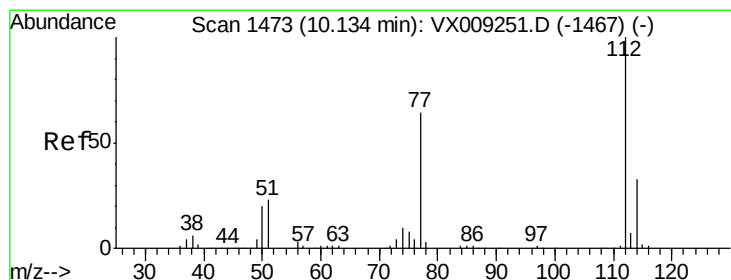
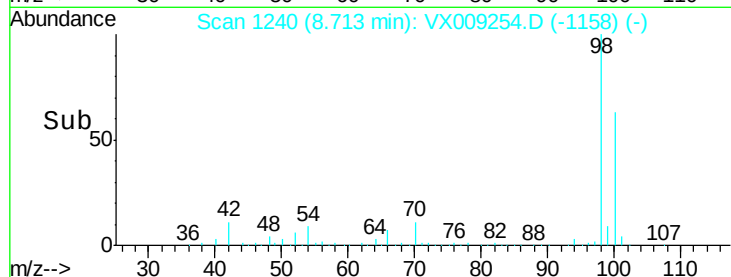
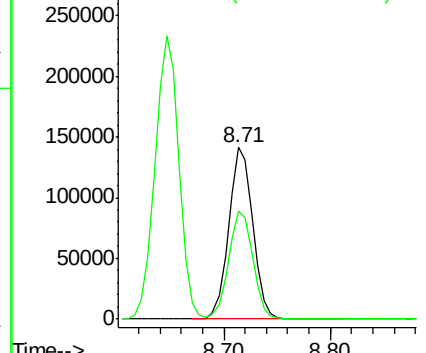
MMDadoda

5/2/2019 10:53:21 AM



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#64

Chlorobenzene

Concen: 151.586 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009254.D

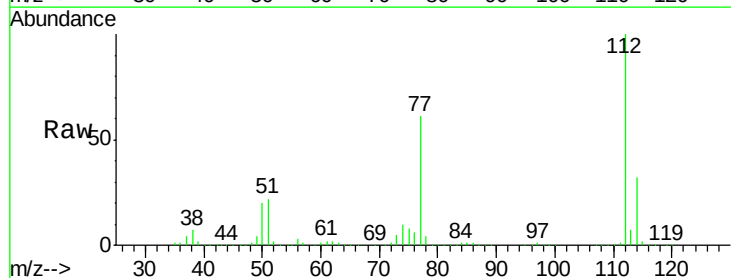
Acq: 01 May 2019 12:40

Tgt Ion: 112 Resp: 765545

Ion Ratio Lower Upper

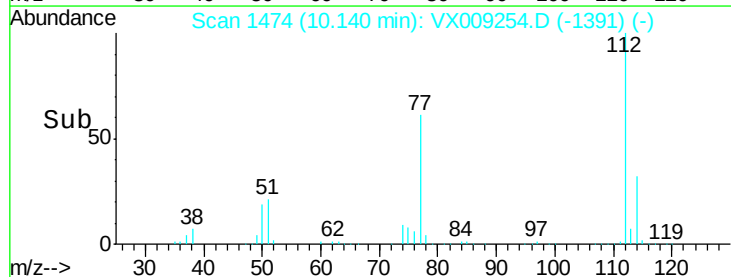
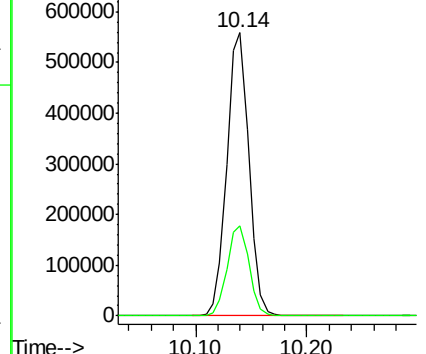
112 100

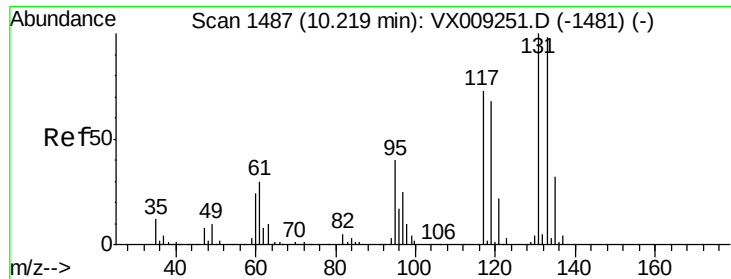
114 32.0 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





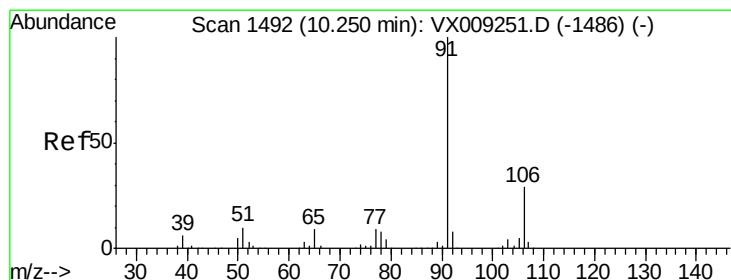
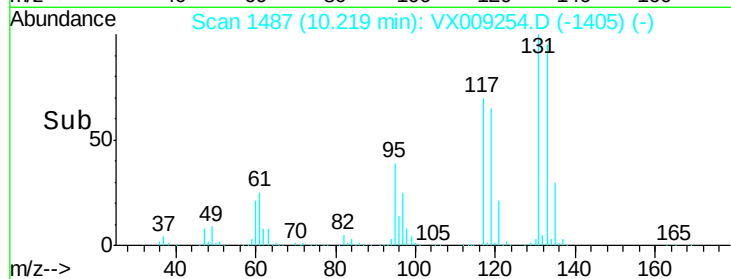
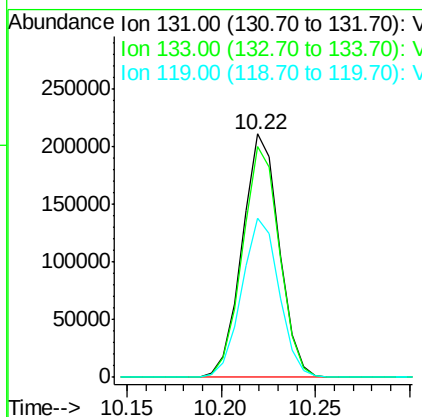
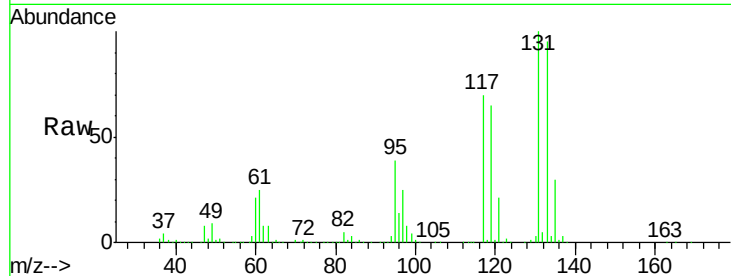
#65
 1,1,1,2-Tetrachloroethane
 Concen: 156.954 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	286863		
133	94.7	0.0	191.2	
119	65.8	0.0	135.4	

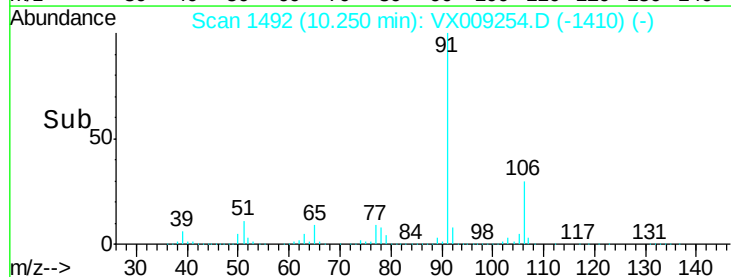
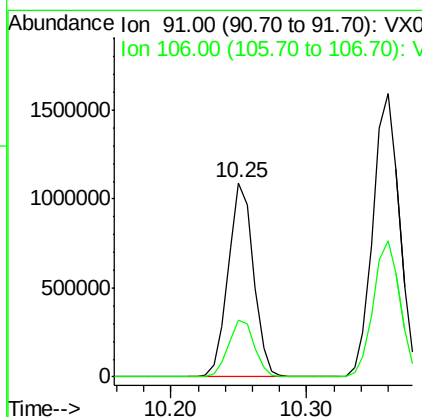
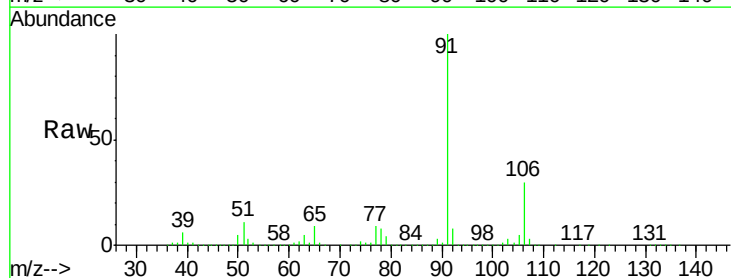
Manual Integrations
 APPROVED

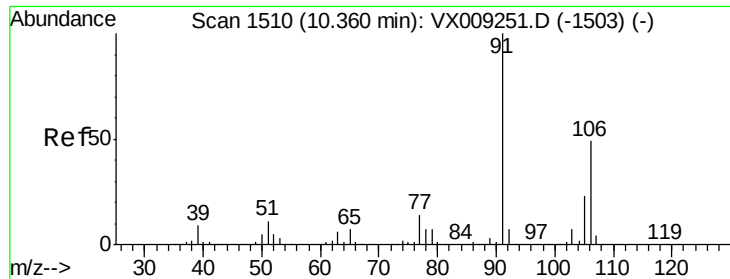
MMDadoda
 5/2/2019 10:53:21 AM



#66
 Ethyl Benzene
 Concen: 149.562 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1412491		
106	29.5	23.5	35.3	





#67

m/p-Xylenes

Concen: 302.491 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 1040311

Ion Ratio Lower Upper

106 100

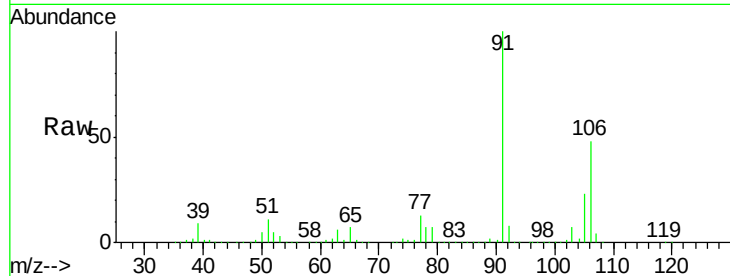
91 207.3 166.8 250.2

Manual Integrations

APPROVED

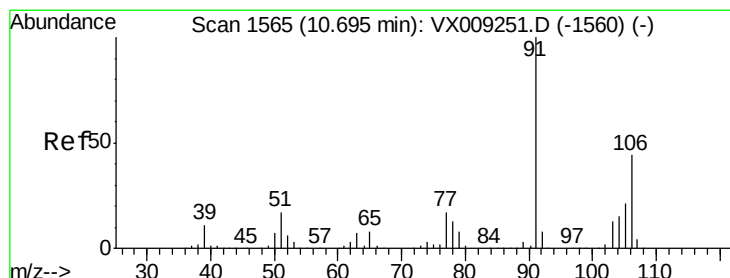
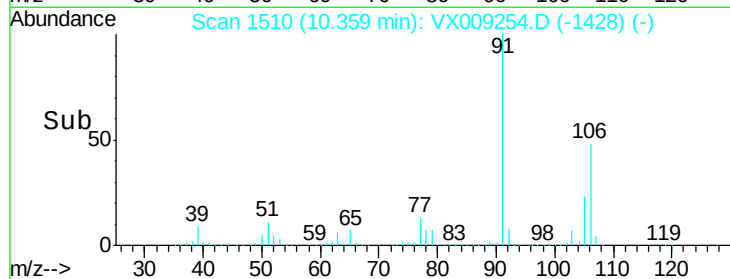
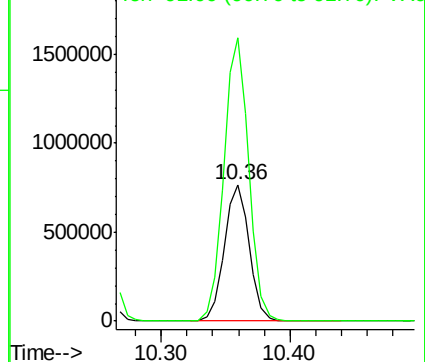
MMDadoda

5/2/2019 10:53:21 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 152.985 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX009254.D

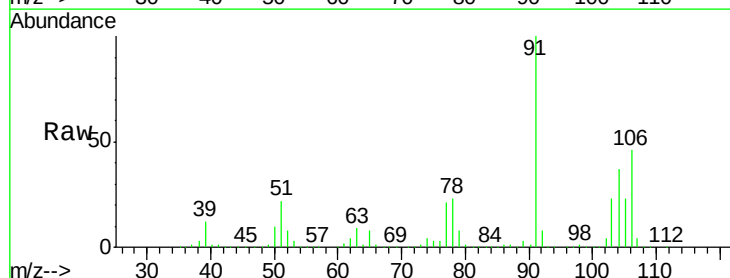
Acq: 01 May 2019 12:40

Tgt Ion:106 Resp: 511502

Ion Ratio Lower Upper

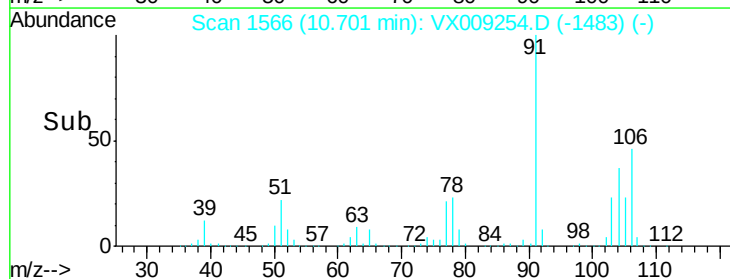
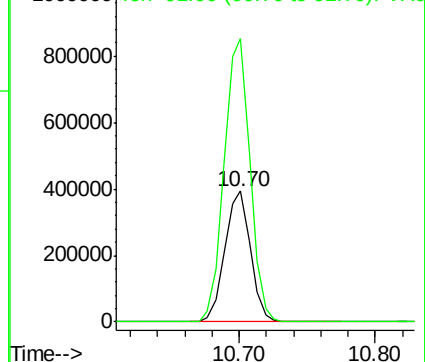
106 100

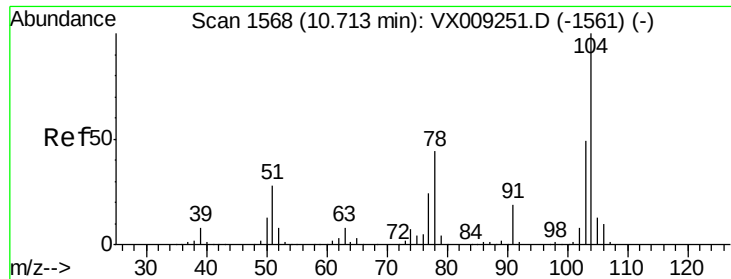
91 218.9 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





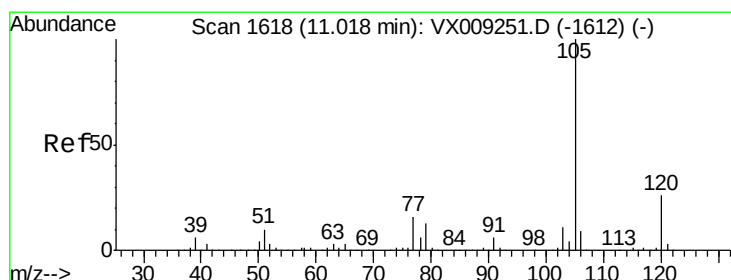
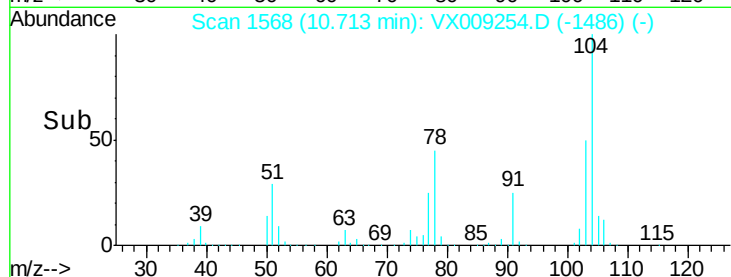
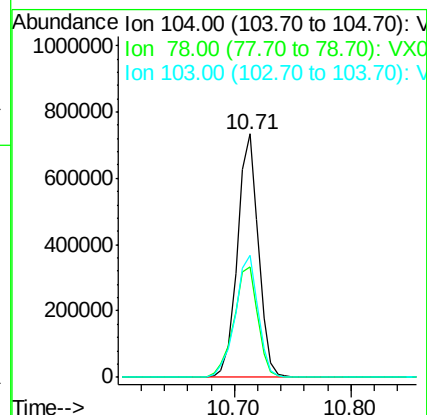
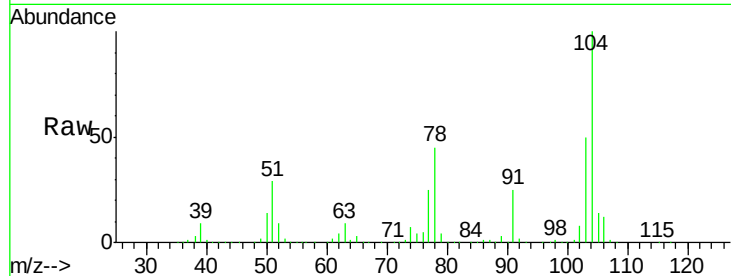
#69
Stvrene
Concen: 156.290 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
104	100	918091		
78	51.6	41.1	61.7	
103	55.0	43.8	65.8	

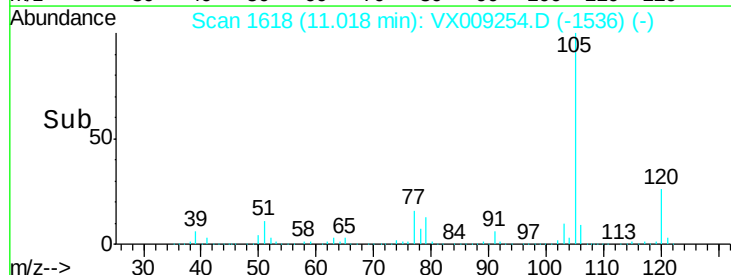
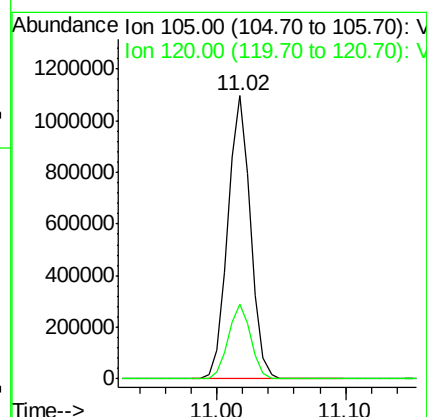
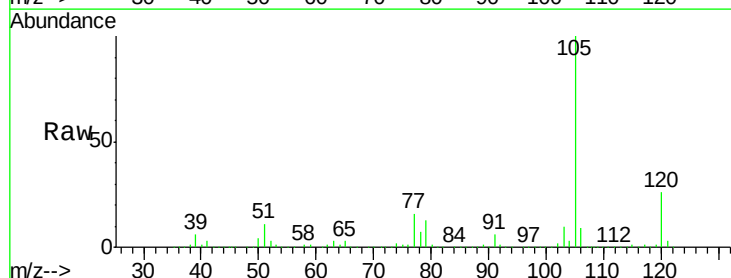
Manual Integrations
APPROVED

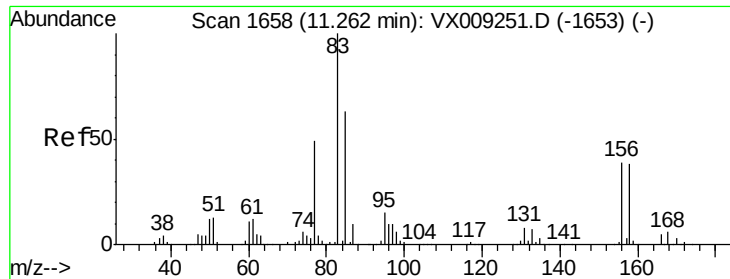
MMDadoda
5/2/2019 10:53:21 AM



#70
Isopropylbenzene
Concen: 149.400 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009254.D
Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1361331		
120	26.1	18.1	33.7	





#71

1,1,2,2-Tetrachloroethane

Concen: 152.148 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

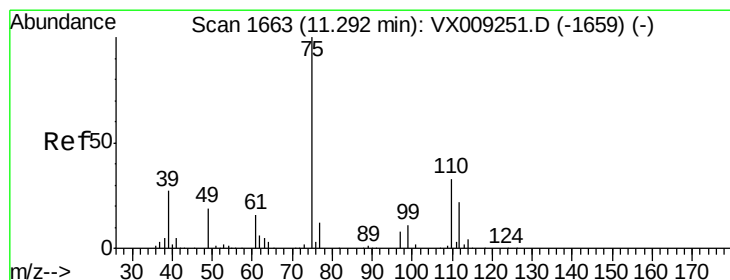
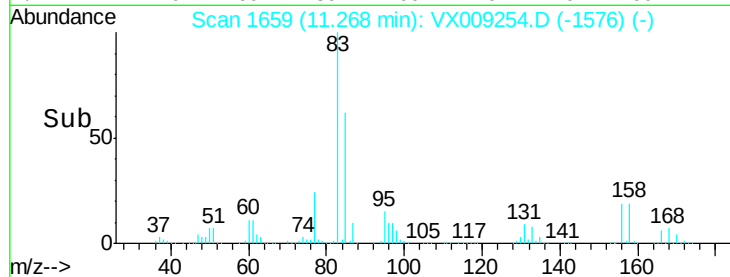
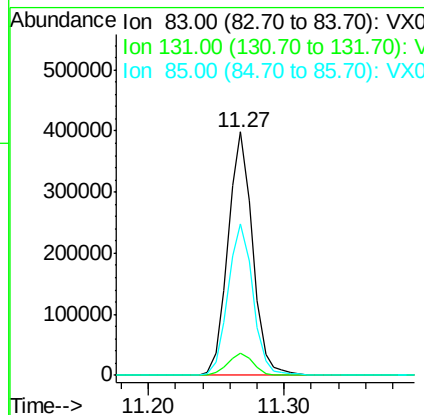
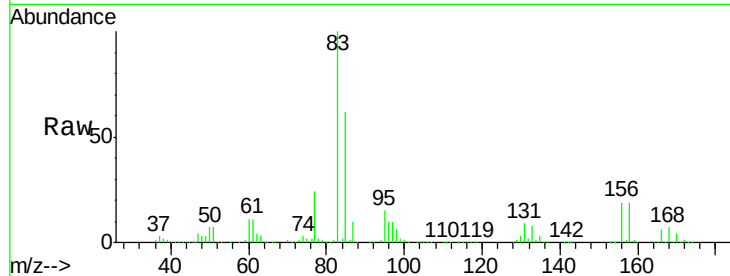
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	498371
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.0
85	63.7	32.4	97.2

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 144.458 ug/l m

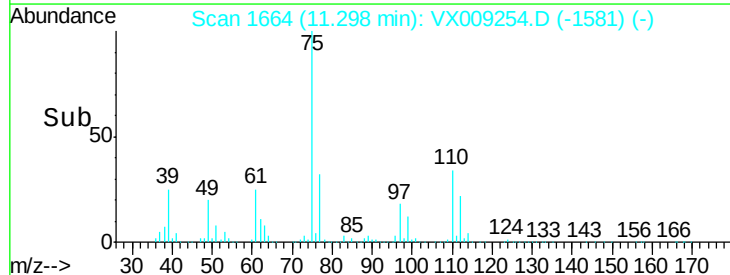
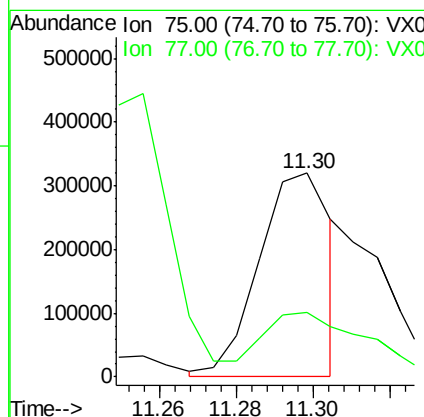
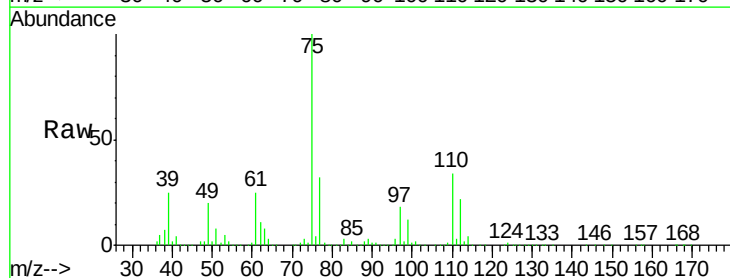
RT: 11.30 min Scan# 1664

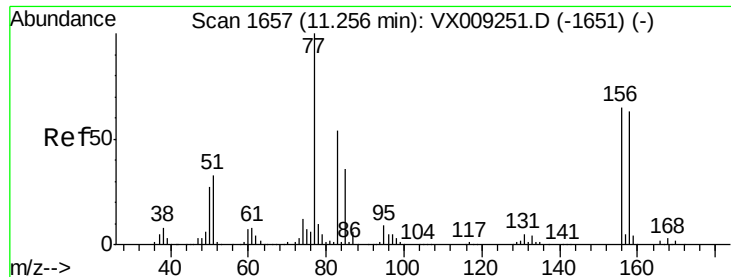
Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	75	Resp:	417329
Ion Ratio	Lower	Upper	
75	100		
77	47.4	0.0	86.4





#73

Bromobenzene

Concen: 152.665 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

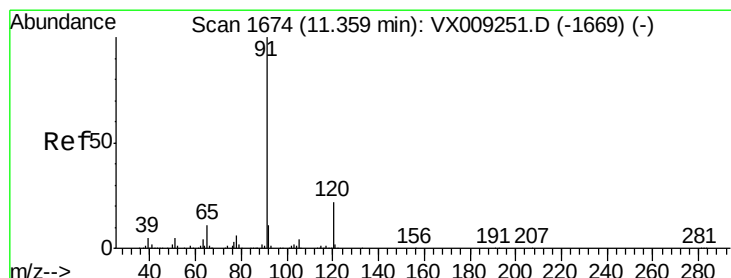
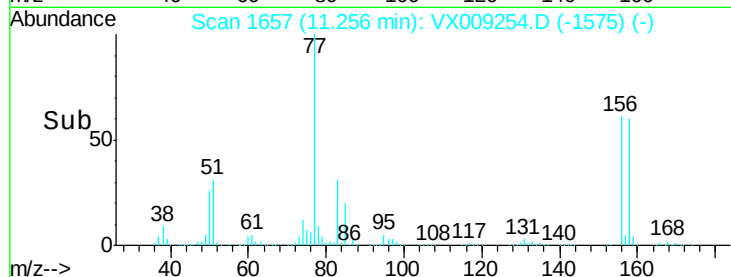
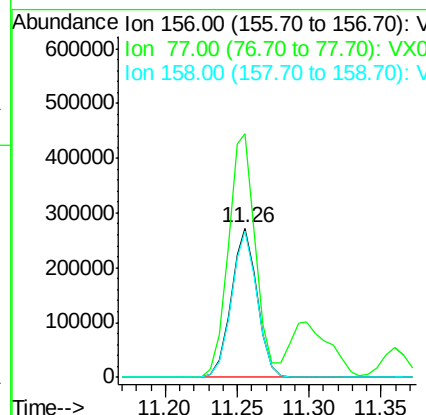
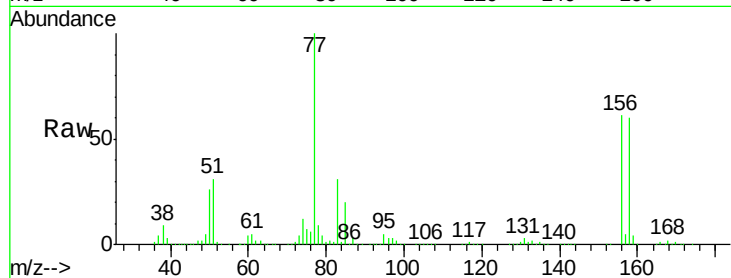
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	342229
Ion Ratio	Lower	Upper	
156	100		
77	170.1	0.0	335.6
158	98.1	0.0	191.2

Manual Integrations
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#74

n-propylbenzene

Concen: 154.979 ug/l

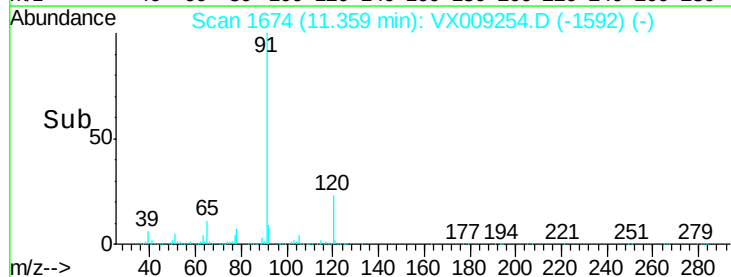
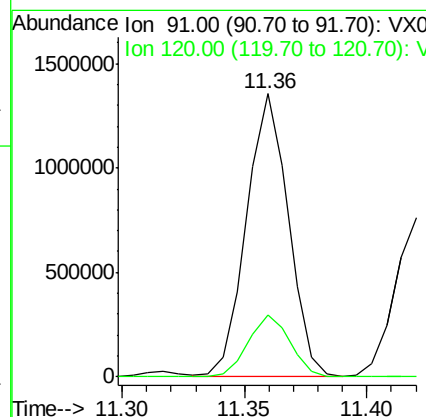
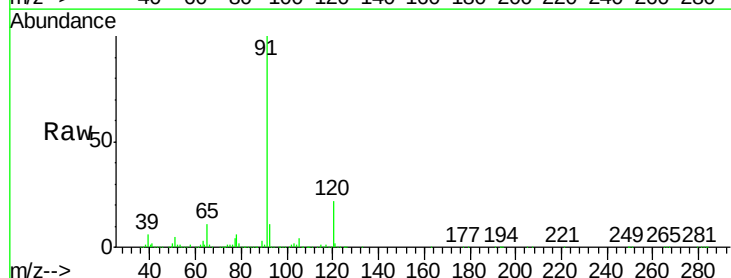
RT: 11.36 min Scan# 1674

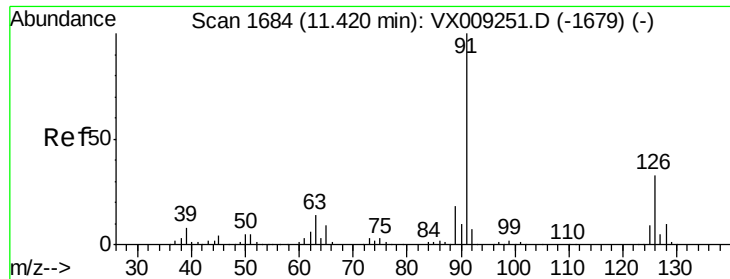
Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	91	Resp:	1621476
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	43.4





#75

2-Chlorotoluene

Concen: 151.434 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 954077

Ion Ratio Lower Upper

91 100

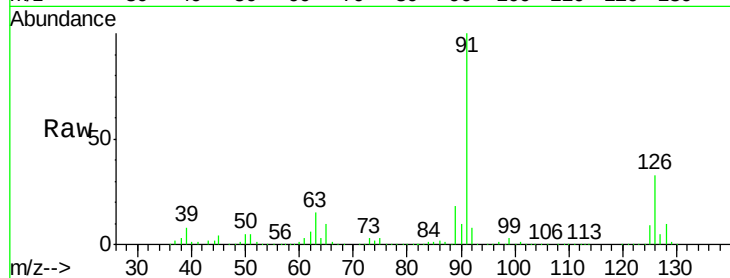
126 32.6 0.0 64.0

Manual Integrations

APPROVED

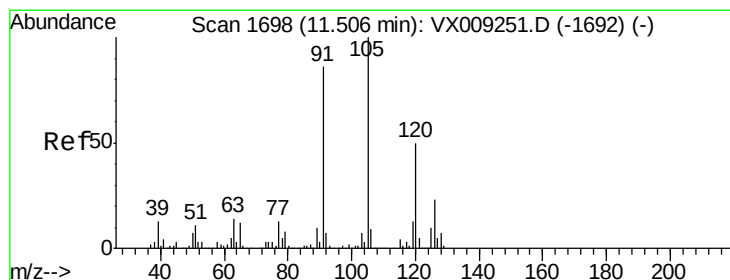
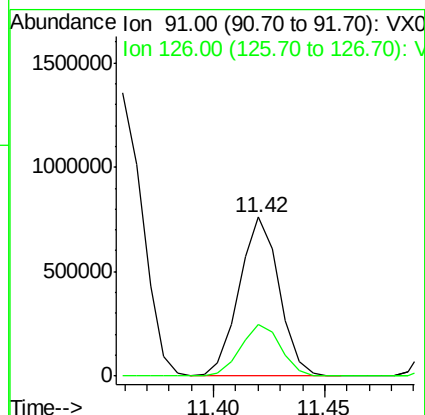
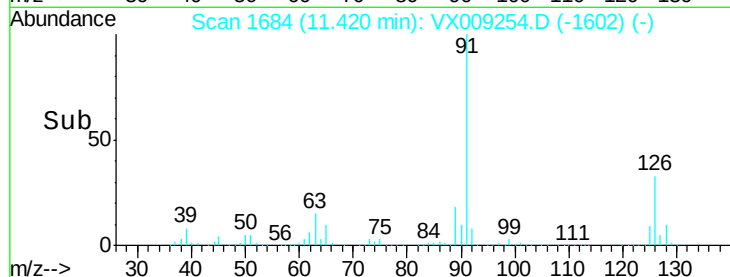
MMDadoda

5/2/2019 10:53:21 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 154.095 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009254.D

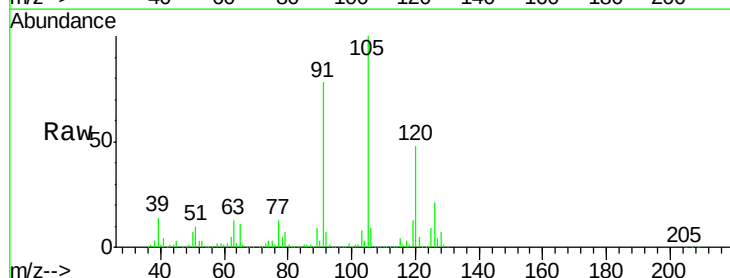
Acq: 01 May 2019 12:40

Tgt Ion: 105 Resp: 1179111

Ion Ratio Lower Upper

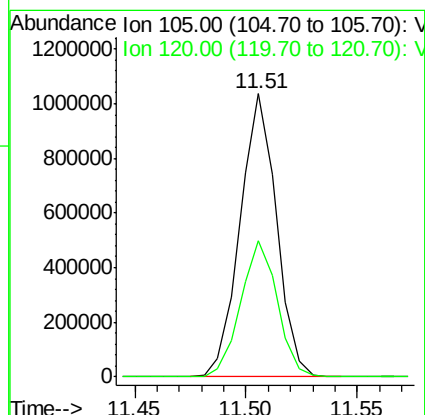
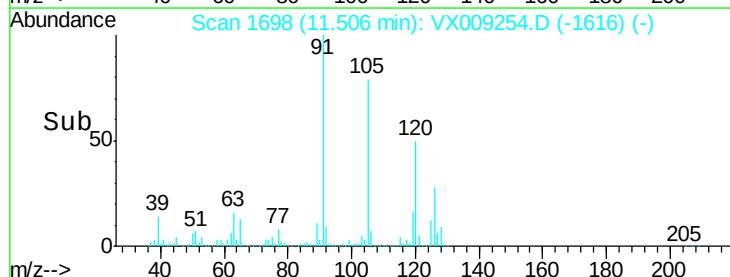
105 100

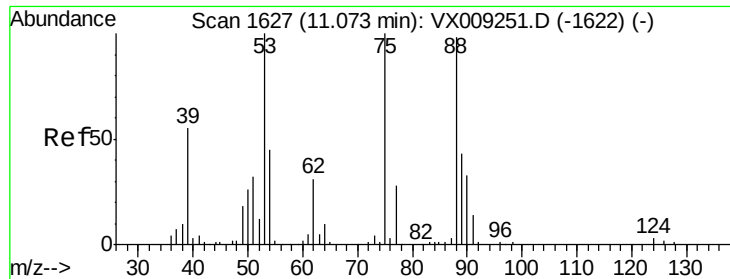
120 48.2 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 181.839 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

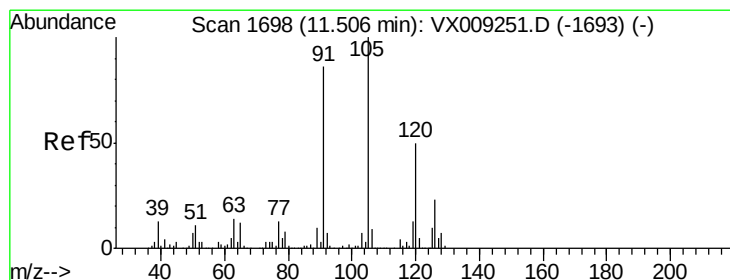
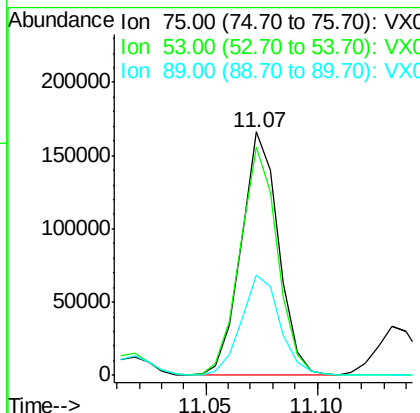
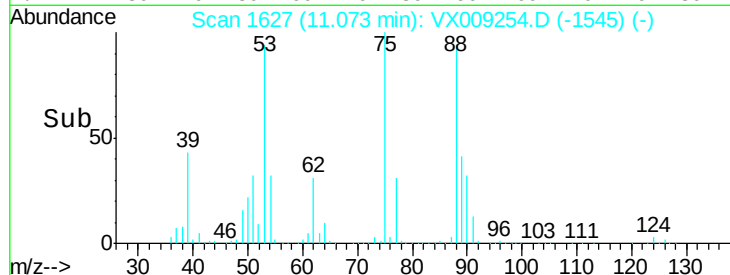
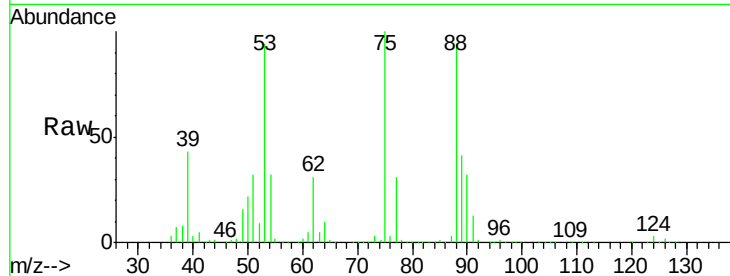
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	193855
Ion Ratio	Lower	Upper	
75	100		
53	93.6	50.0	149.8
89	41.1	21.6	65.0

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#78

4-Chlorotoluene

Concen: 158.181 ug/l

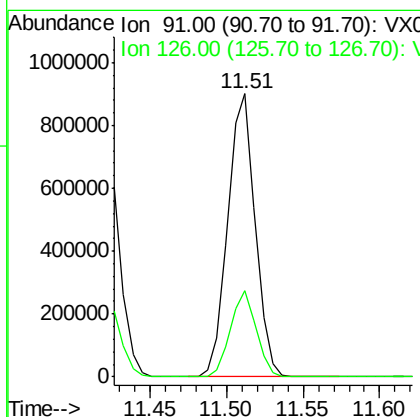
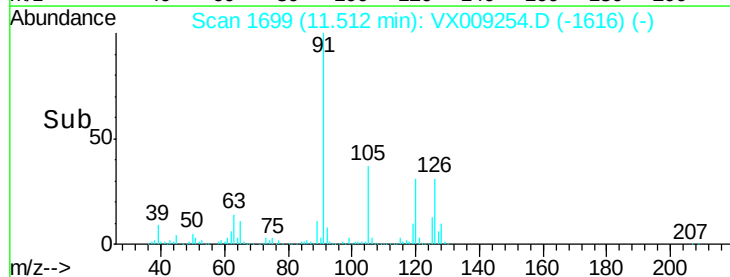
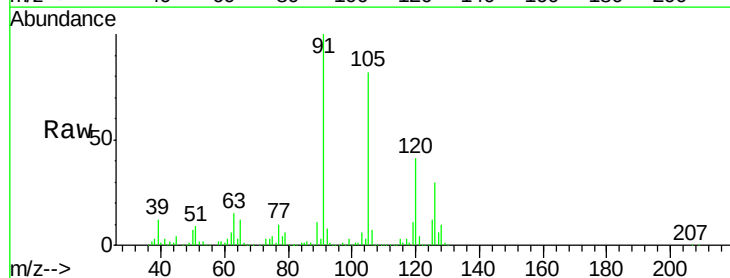
RT: 11.51 min Scan# 1699

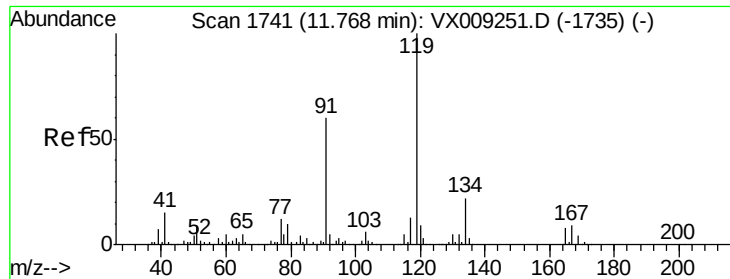
Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Tgt Ion:	91	Resp:	1115512
Ion Ratio	Lower	Upper	
91	100		
126	28.9	0.0	57.0





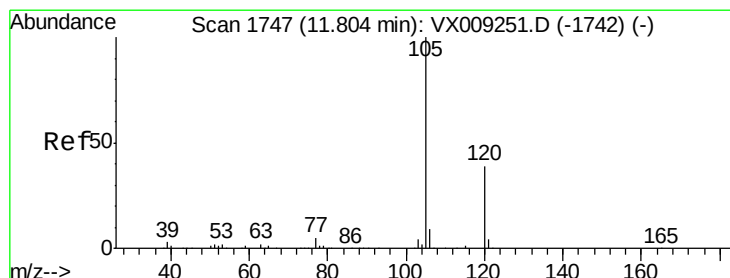
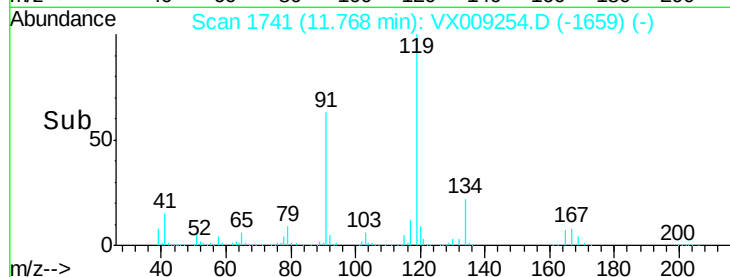
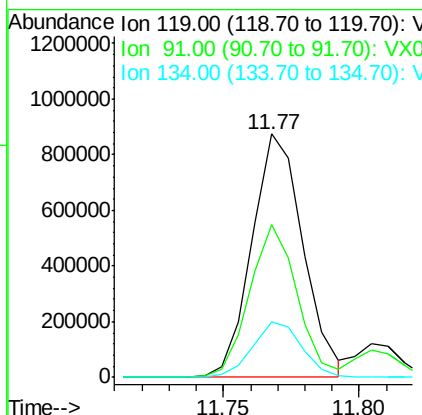
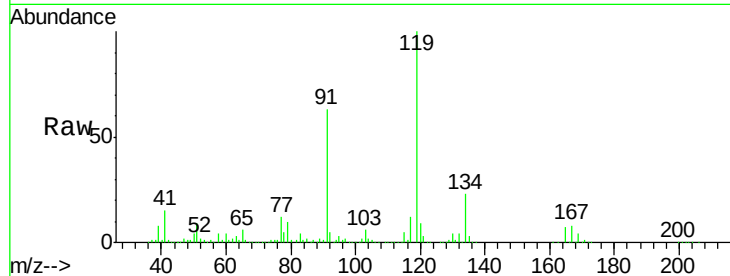
#79
 tert-butylbenzene
 Concen: 154.537 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	0.0	118.2
134	22.1	0.0	45.0

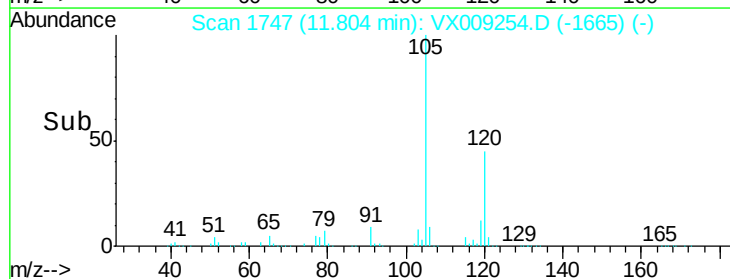
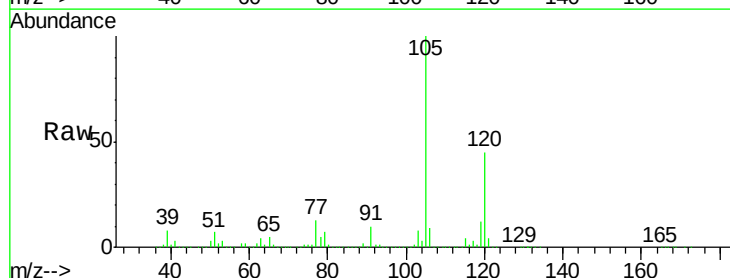
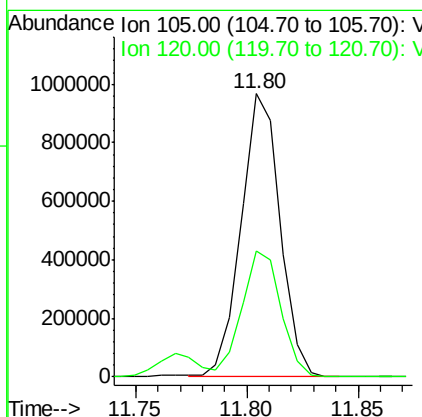
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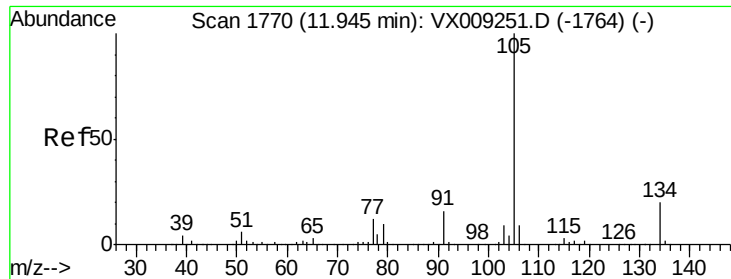
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#80
 1,2,4-Trimethylbenzene
 Concen: 154.329 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	0.0	89.6





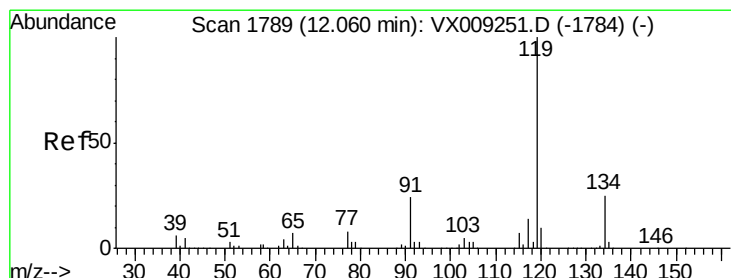
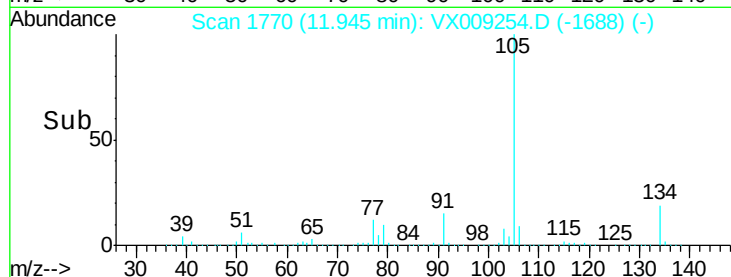
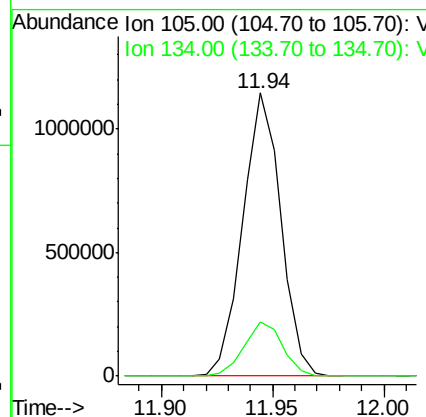
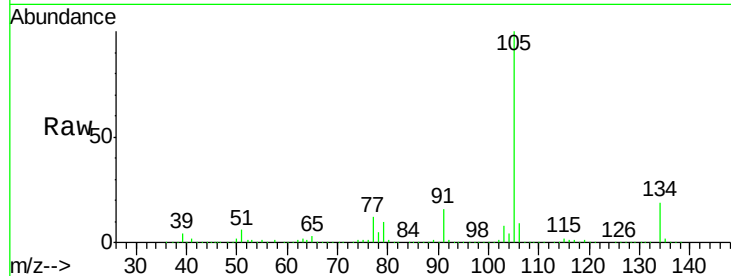
#81
 sec-Butylbenzene
 Concen: 156.067 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:105 Resp: 1366381
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 38.6

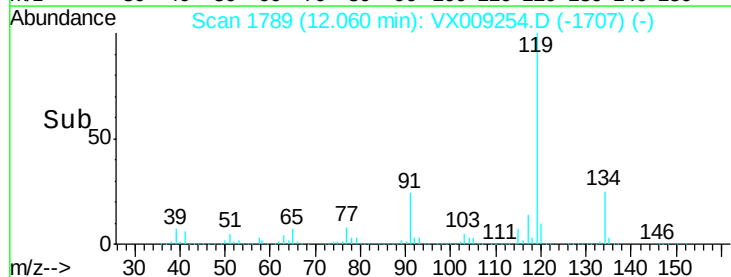
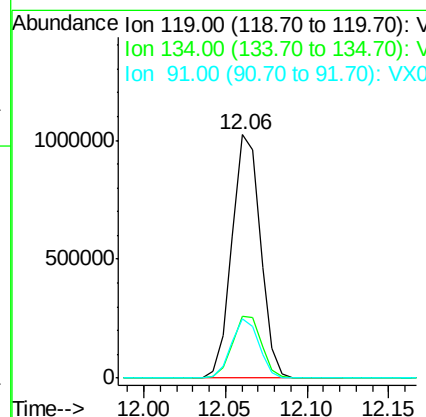
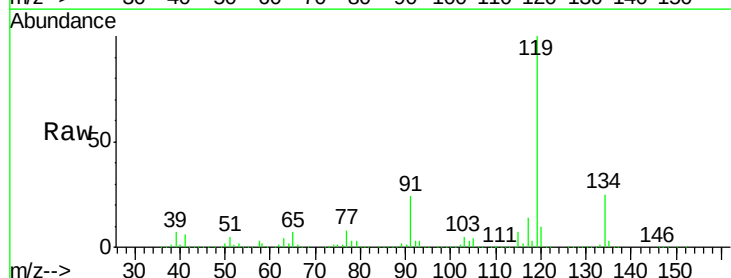
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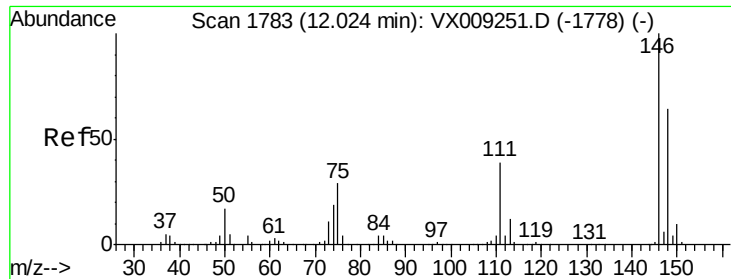
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#82
 p-Isopropyltoluene
 Concen: 156.872 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion:119 Resp: 1246236
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 50.8
 91 23.6 0.0 47.2





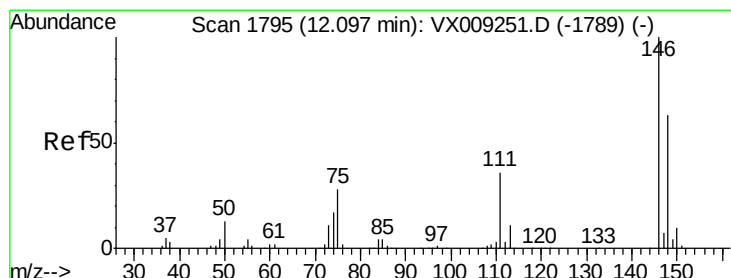
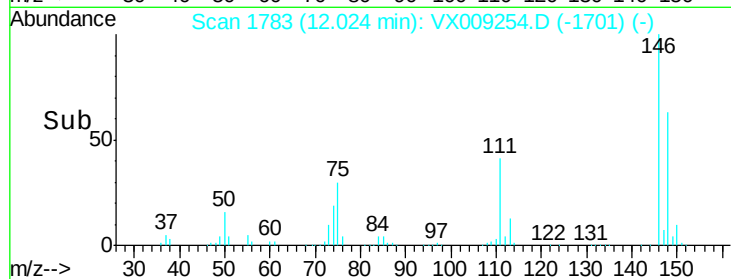
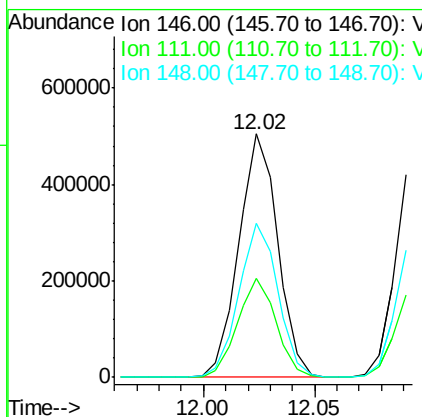
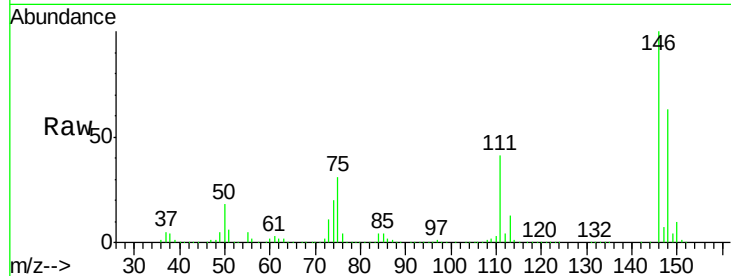
#83
 1,3-Dichlorobenzene
 Concen: 158.708 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.6	32.2	96.6

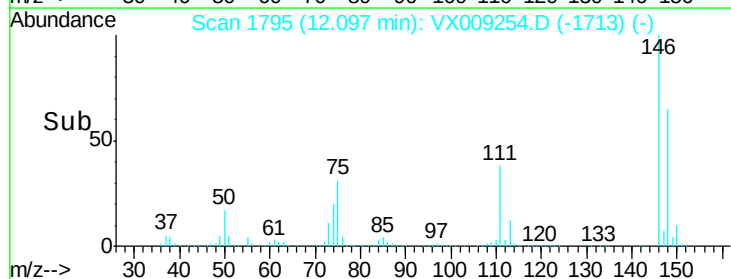
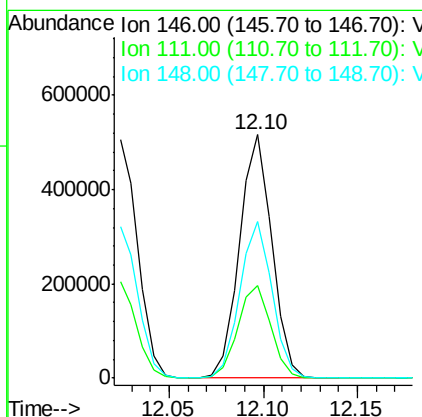
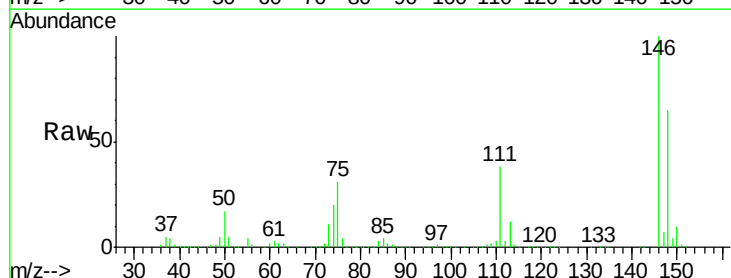
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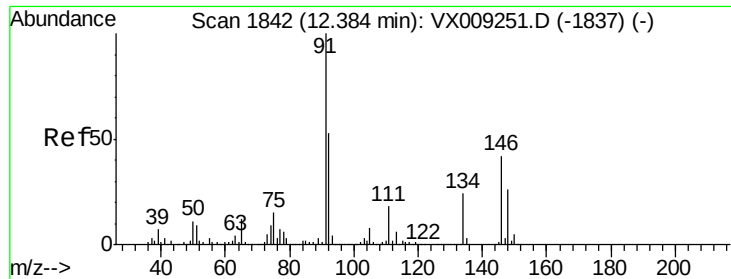
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#84
 1,4-Dichlorobenzene
 Concen: 160.619 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.7
148	64.1	32.3	96.8





#85

n-Butylbenzene

Concen: 168.482 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1187964

Ion Ratio Lower Upper

91 100

92 53.4 0.0 106.6

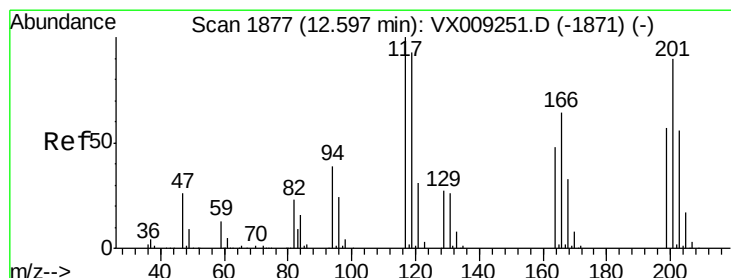
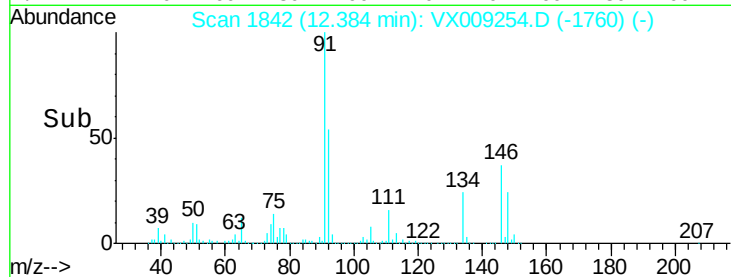
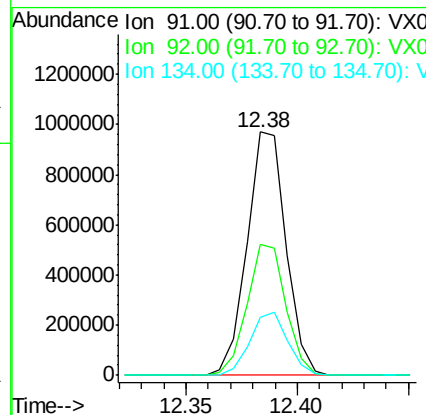
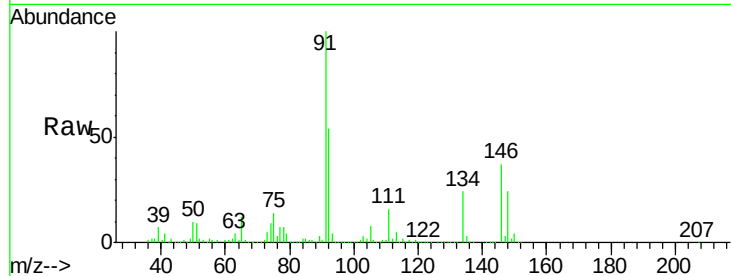
134 25.1 0.0 50.0

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#86

Hexachloroethane

Concen: 164.441 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009254.D

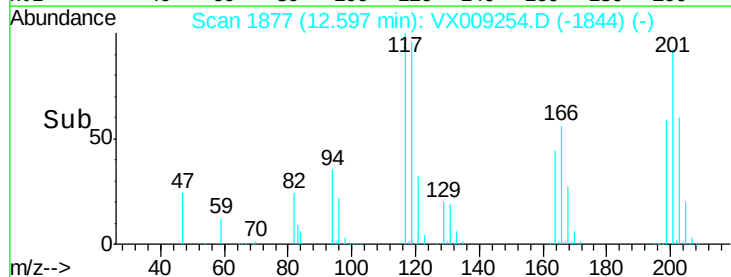
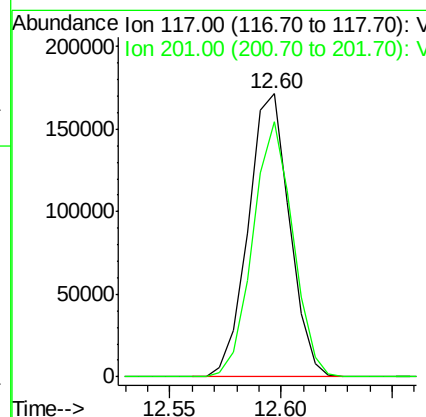
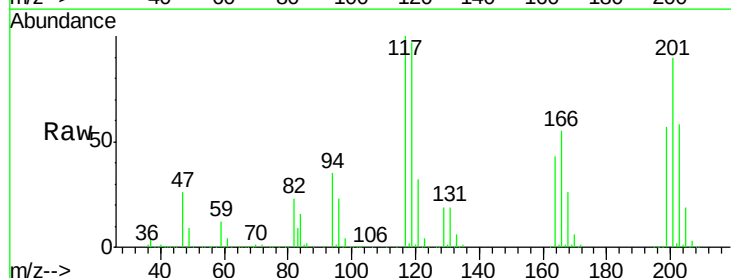
Acq: 01 May 2019 12:40

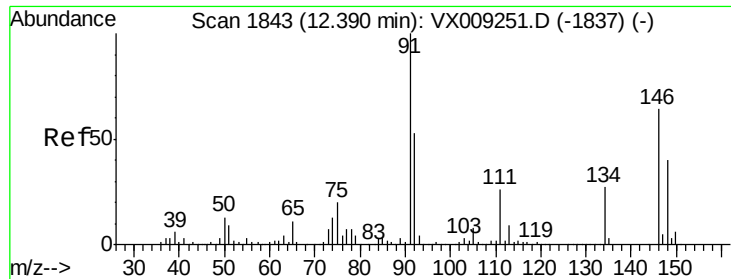
Tgt Ion: 117 Resp: 221776

Ion Ratio Lower Upper

117 100

201 87.4 41.8 125.4





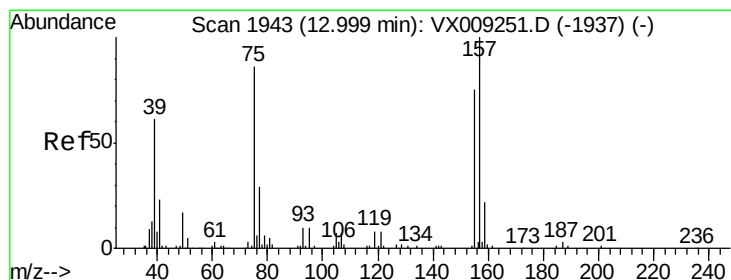
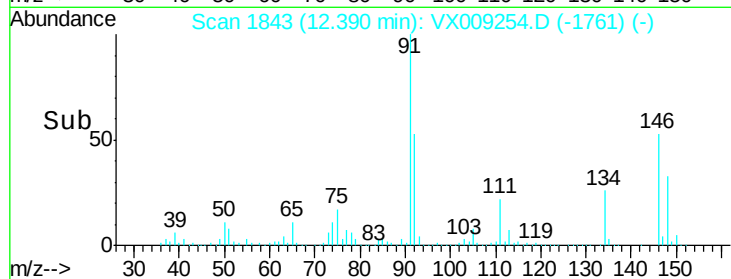
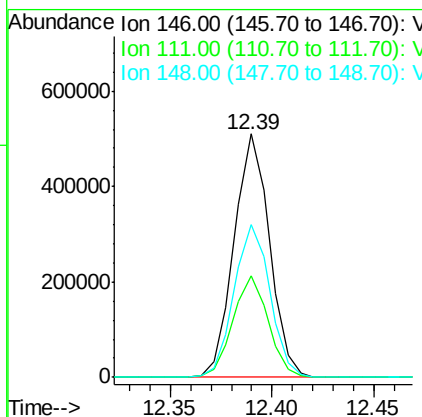
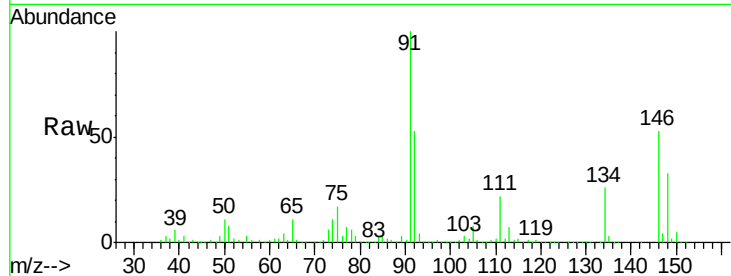
#87
 1,2-Dichlorobenzene
 Concen: 154.499 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.2
148	63.8	31.4	94.3

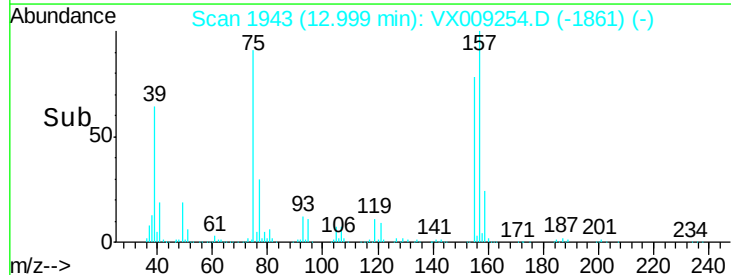
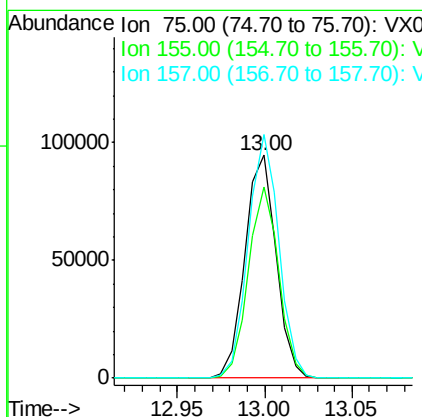
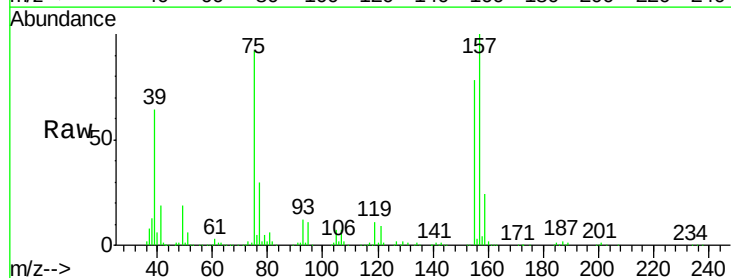
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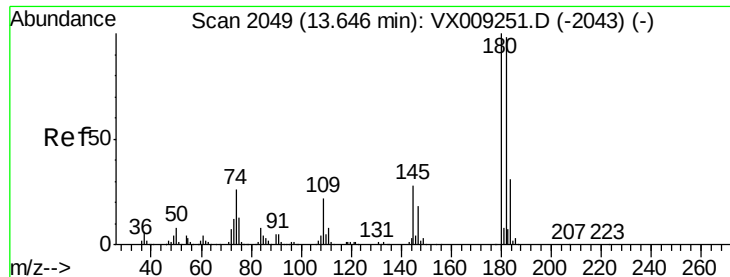
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 155.746 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	65.9	98.9
157	106.7	85.2	127.8





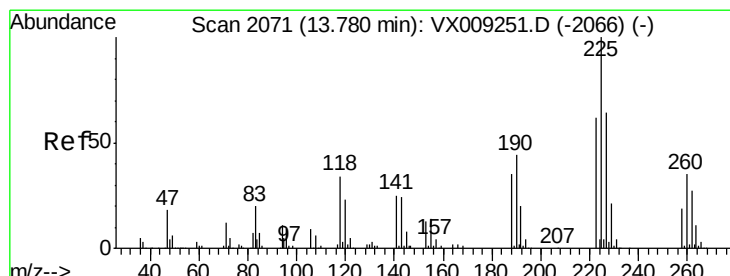
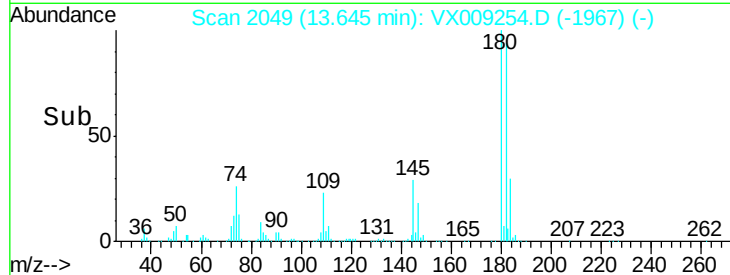
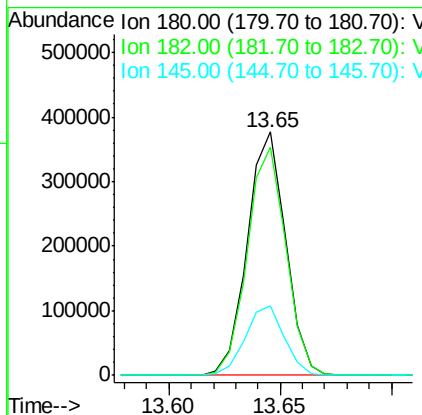
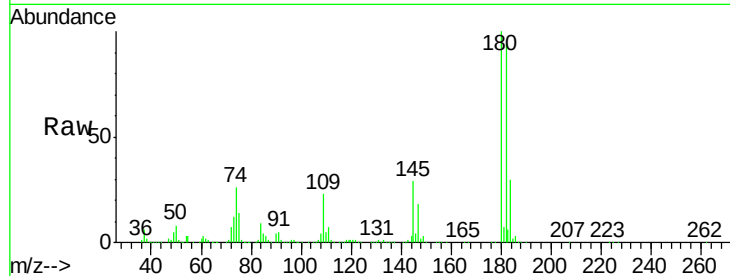
#89
 1,2,4-Trichlorobenzene
 Concen: 166.633 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	453183		
182	94.3	76.9	115.3	
145	29.3	23.0	34.6	

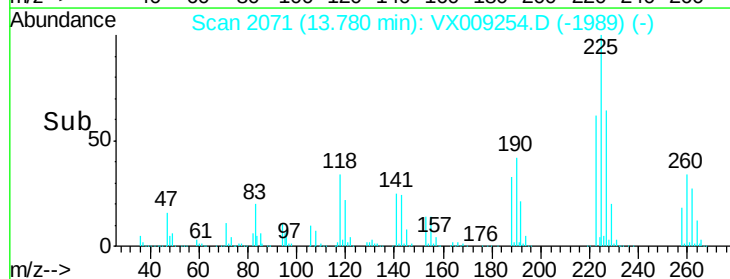
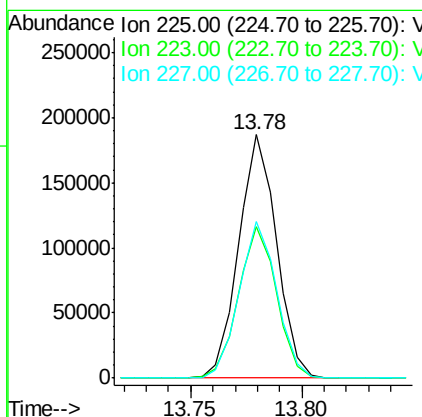
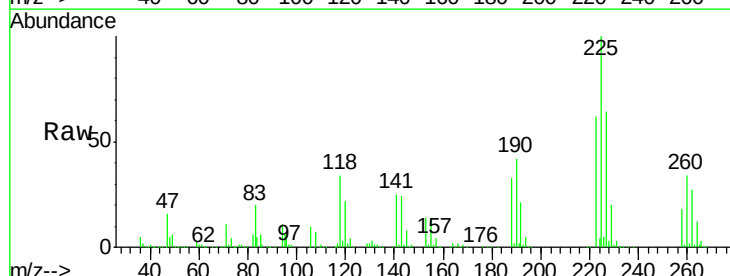
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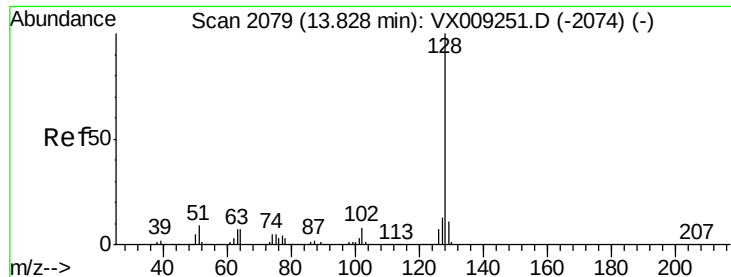
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#90
 Hexachlorobutadiene
 Concen: 160.795 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009254.D
 Acq: 01 May 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	221691		
223	62.8	0.0	126.6	
227	64.0	0.0	130.0	





#91

Naphthalene

Concen: 154.710 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:128 Resp: 1441298

Ion Ratio Lower Upper

128 100

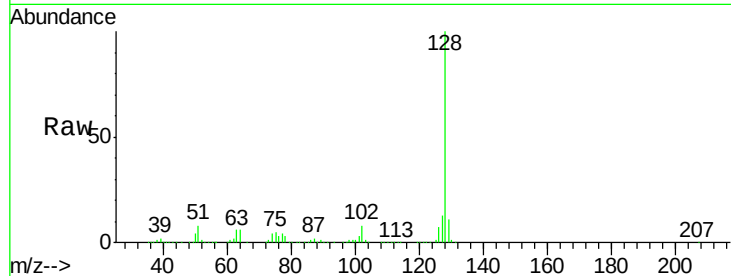
127 13.1 10.5 15.7

129 11.0 8.7 13.1

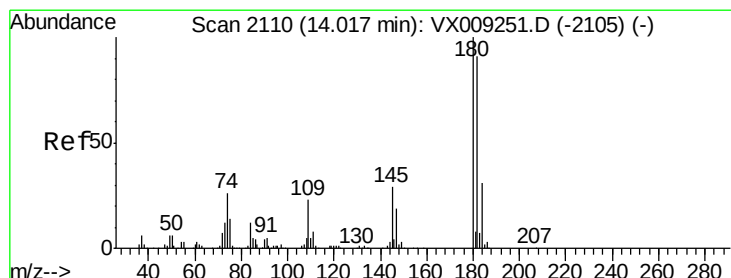
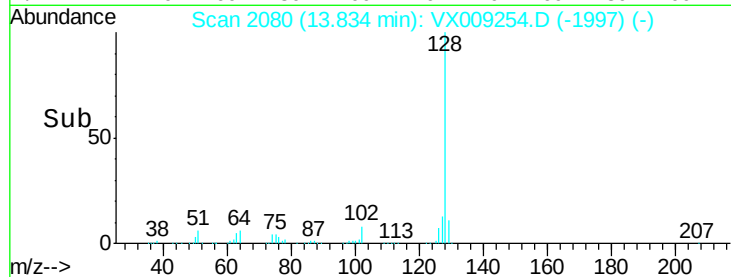
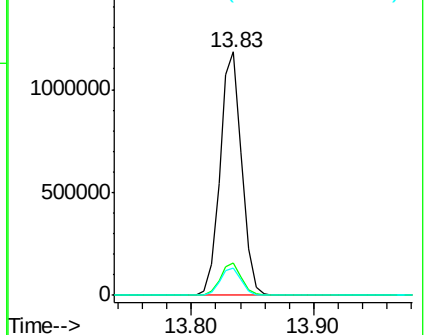
Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 156.428 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009254.D

Acq: 01 May 2019 12:40

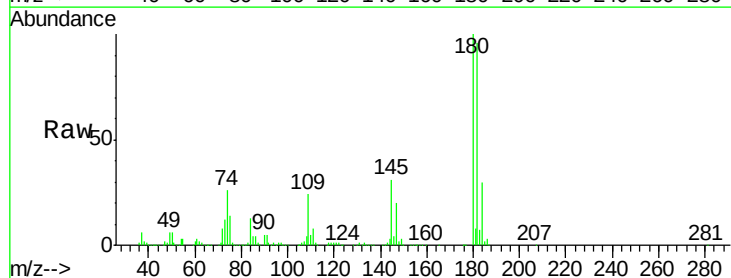
Tgt Ion:180 Resp: 447559

Ion Ratio Lower Upper

180 100

182 95.5 0.0 189.0

145 31.2 0.0 61.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

