

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008478.D
 Acq On : 27 Mar 2019 13:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:36:22 AM

Quant Time: Mar 28 02:16:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	38955	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	228028	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	198716	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	96763	29.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.97%
60) 4-Bromofluorobenzene	11.13	95	104793	30.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.90%
63) Toluene-d8	8.71	98	284451	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	52861	19.845	ug/l 97
3) Chloromethane	1.32	50	69501	19.915	ug/l 98
4) Vinyl Chloride	1.40	62	67771	19.265	ug/l 97
5) Bromomethane	1.64	94	33658	18.465	ug/l 99
6) Chloroethane	1.72	64	41336	17.953	ug/l 99
7) Trichlorofluoromethane	1.93	101	77125	19.752	ug/l 99
8) Diethyl Ether	2.18	74	35344	19.194	ug/l 79
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48088	19.776	ug/l 92
10) 1,1-Dichloroethene	2.37	96	48555	19.683	ug/l 88
11) Methyl Iodide	2.51	142	41636	16.300	ug/l 96
12) Methyl Acetate	3.19	43	38851	19.432	ug/l 94
13) Acrolein	2.29	56	50390	87.851	ug/l 97
14) Acrylonitrile	3.14	53	177462	96.003	ug/l 99
15) Acetone	2.44	58	53142	93.227	ug/l 94
16) Carbon Disulfide	2.57	76	148746	19.383	ug/l 99
17) Allyl chloride	2.73	41	105431	19.017	ug/l 92
18) Methylene Chloride	2.85	84	57271	19.422	ug/l 89
19) trans-1,2-Dichloroethene	3.16	96	51439	19.517	ug/l 88
20) Diisopropyl ether	3.85	45	211725	19.621	ug/l # 94
21) 1,1-Dichloroethane	3.70	63	105389	19.457	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	59317	19.477	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	70574	94.548	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	177558	19.585	ug/l 99
25) Chloroform	5.21	83	95278	19.419	ug/l 97
26) Cyclohexane	5.57	56	104376	19.835	ug/l # 82
29) 1,1-Dichloropropene	5.80	75	75571	19.699	ug/l 93
30) 2-Butanone	4.67	43	265632	94.163	ug/l 94
31) 2,2-Dichloropropane	4.58	77	73822	19.267	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	76077	19.097	ug/l 95
33) Carbon Tetrachloride	5.78	117	63551	19.067	ug/l 96
34) Benzene	6.14	78	227973	19.441	ug/l # 96
35) Methacrylonitrile	5.04	41	54471	18.988	ug/l 93
36) 1,2-Dichloroethane	6.19	62	82420	19.714	ug/l 97
37) Trichloroethene	7.21	130	52805	19.581	ug/l 89
38) Methylcyclohexane	7.46	83	95810	19.820	ug/l 88
39) 1,2-Dichloropropane	7.51	63	64525	19.400	ug/l 100
40) Dibromomethane	7.66	93	36224	18.801	ug/l 89

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	71186	18.790	ug/l	99
42) Vinyl Acetate	3.81	43	934299	97.701	ug/l #	94
43) Ethyl Acetate	4.83	43	97668	19.236	ug/l #	80
44) Isopropyl Acetate	6.44	43	154781	18.853	ug/l	98
45) 1,4-Dioxane	7.74	88	32109	392.872	ug/l #	84
46) Methyl methacrylate	7.77	41	79087	18.967	ug/l	87
47) n-amyl Acetate	10.90	43	140088	18.785	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	79575	18.596	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	89882	18.779	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	55275	19.321	ug/l	97
51) Ethyl methacrylate	9.18	69	99682	18.724	ug/l	92
52) 1,3-Dichloropropane	9.37	76	98248	19.303	ug/l	99
53) Dibromochloromethane	9.58	129	51998	18.470	ug/l	99
54) 1,2-Dibromoethane	9.67	107	56602	19.192	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	273534	101.843	ug/l	95
56) Bromoform	10.85	173	36475	17.778	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	508164	96.932	ug/l	96
59) 2-Hexanone	9.49	43	399560	96.470	ug/l	96
61) Tetrachloroethene	9.34	164	44028	20.256	ug/l	98
62) Toluene	8.78	91	239068	19.871	ug/l	99
64) Chlorobenzene	10.13	112	139096	19.730	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	47960	19.296	ug/l	98
66) Ethyl Benzene	10.25	91	263349	19.720	ug/l	95
67) m/p-Xylenes	10.35	106	192871	39.597	ug/l	90
68) o-Xylene	10.69	106	93875	19.695	ug/l	92
69) Styrene	10.71	104	162221	19.559	ug/l	96
70) Isopropylbenzene	11.02	105	250440	19.918	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	91090	19.393	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	78421m	19.752	ug/l	
73) Bromobenzene	11.26	156	57534	19.233	ug/l	76
74) n-propylbenzene	11.36	91	298869	19.953	ug/l	95
75) 2-Chlorotoluene	11.42	91	176261	19.779	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	214848	19.987	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	26947	17.694	ug/l	96
78) 4-Chlorotoluene	11.51	91	201024	19.600	ug/l	91
79) tert-butylbenzene	12.06	119	219969	20.024	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	210952	19.682	ug/l	97
81) sec-Butylbenzene	11.94	105	244901	19.940	ug/l	96
82) p-Isopropyltoluene	12.06	119	219969	20.024	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	104496	19.677	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	104476	19.686	ug/l	97
85) n-Butylbenzene	12.38	91	204726	19.614	ug/l	97
86) Hexachloroethane	12.60	117	34685	18.897	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	105316	19.681	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	20070	19.278	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	73259	19.847	ug/l	98
90) Hexachlorobutadiene	13.78	225	35910	20.194	ug/l	98
91) Naphthalene	13.83	128	257098	20.330	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	75995	20.439	ug/l	99

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MMDadoda
3/28/2019 9:36:22 AM

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QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration

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

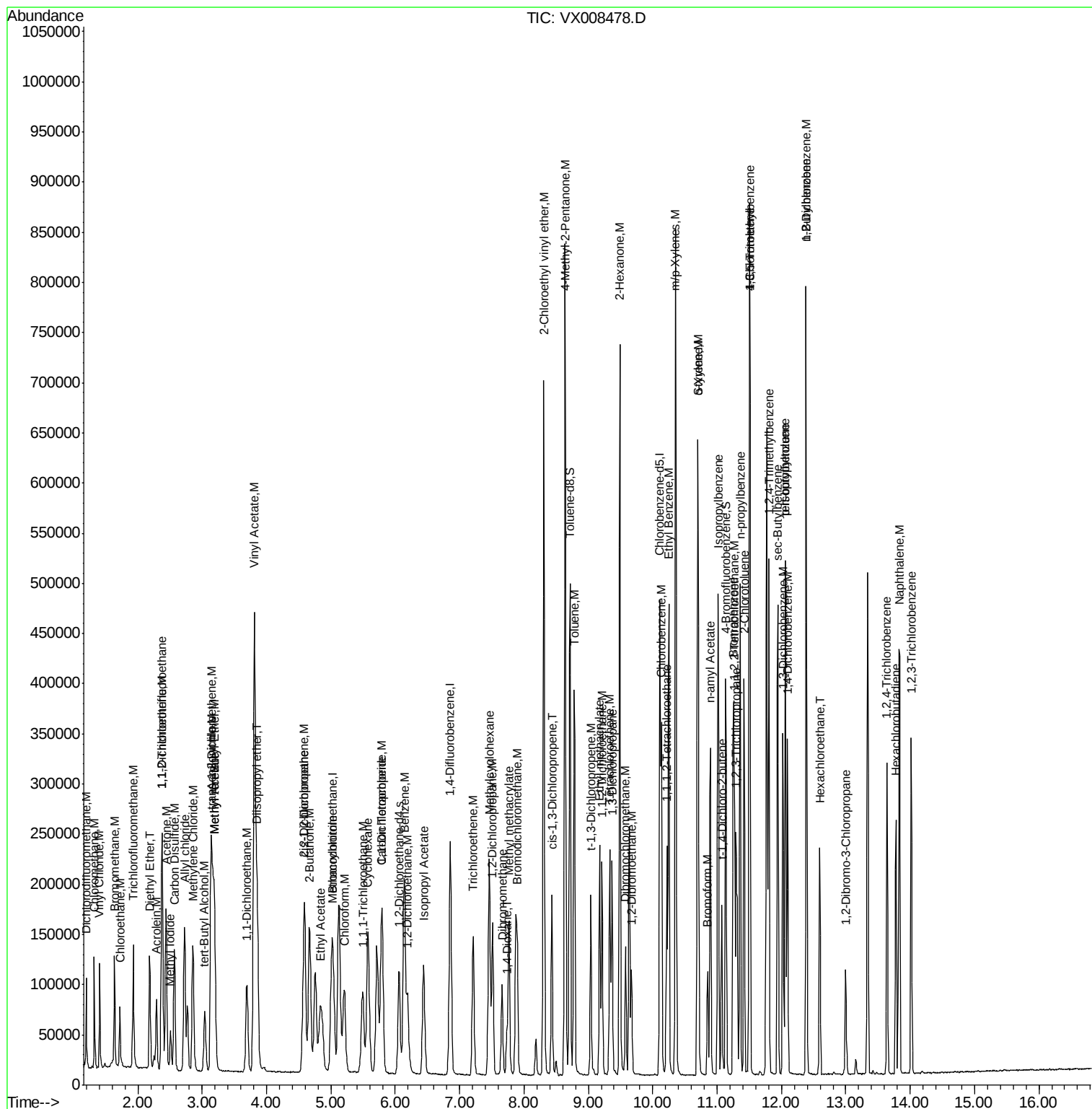
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Data File : VX008478.D
Acq On : 27 Mar 2019 13:13
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

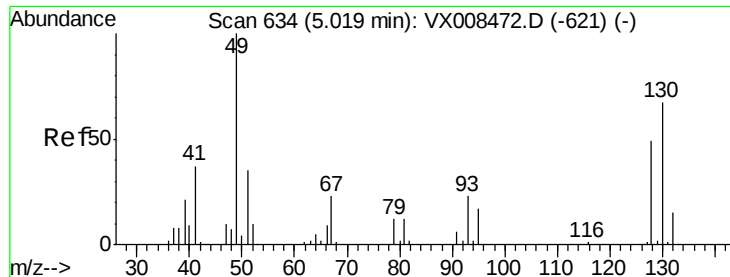
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:22 AM

Quant Time: Mar 28 02:16:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

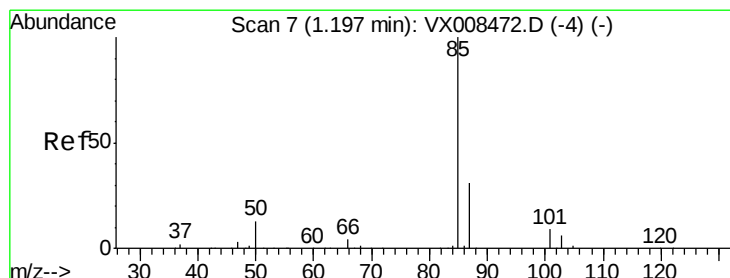
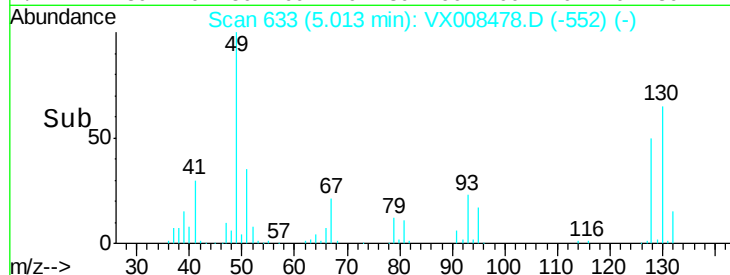
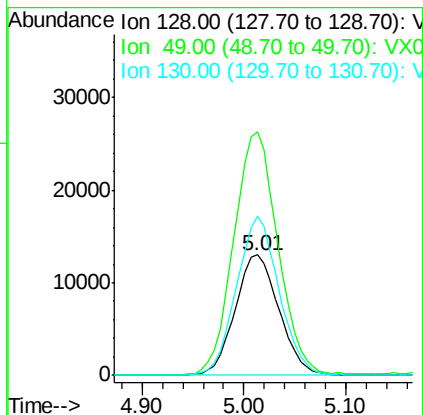
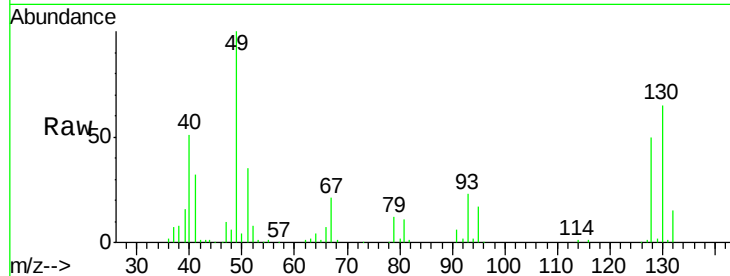
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	38955
Ion	Ratio	Lower	Upper
128	100		
49	203.8	0.0	350.8
130	127.8	0.0	325.8

Manual Integrations
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3/28/2019 9:36:22 AM



#2

Dichlorodifluoromethane

Concen: 19.845 ug/l

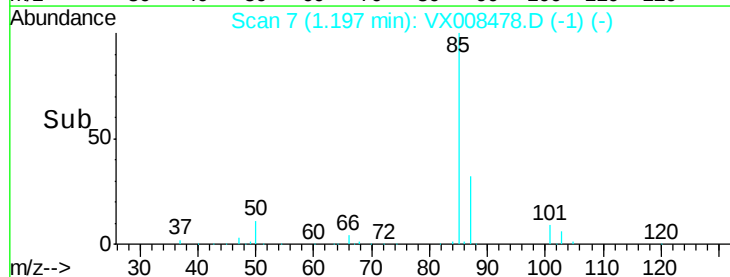
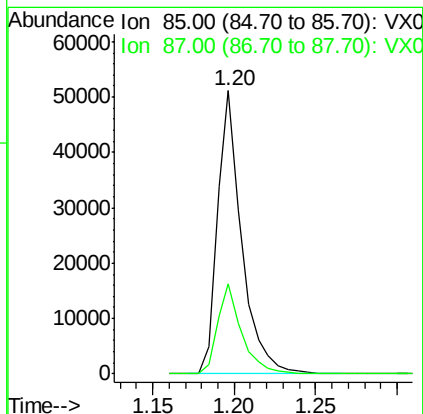
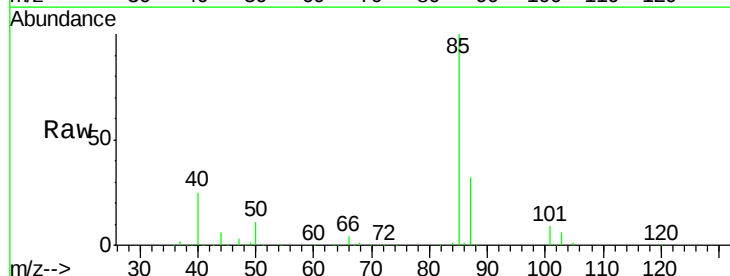
RT: 1.20 min Scan# 7

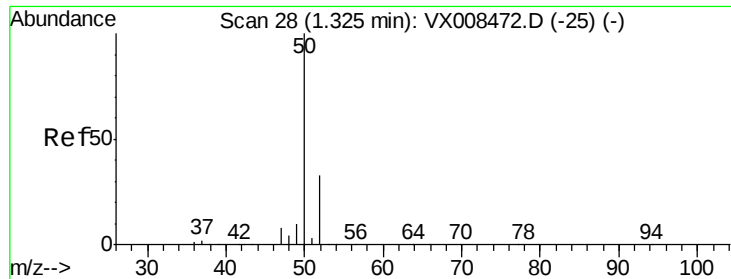
Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Tgt Ion:	85	Resp:	52861
Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.6	49.8





#3

Chloromethane

Concen: 19.915 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 69501

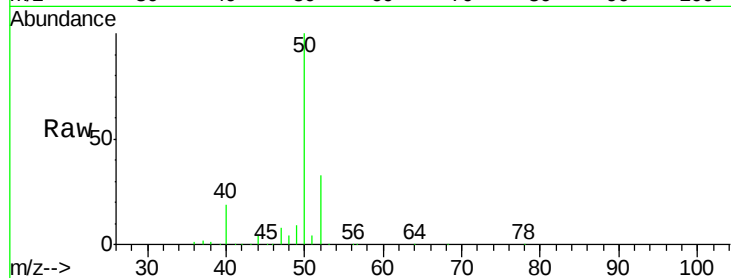
Ion Ratio Lower Upper

50 100

52 33.2 27.5 41.3

Manual Integrations
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3/28/2019 9:36:22 AM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.32

80000

60000

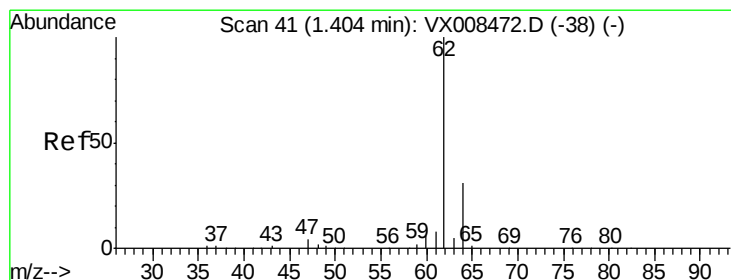
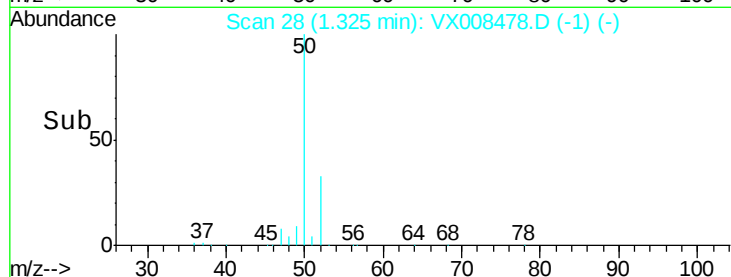
40000

20000

0

Time-->

1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 19.265 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008478.D

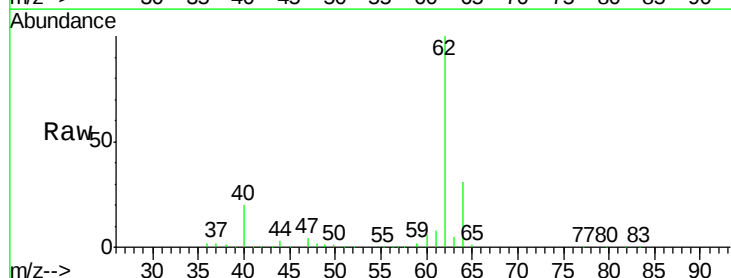
Acq: 27 Mar 2019 13:13

Tgt Ion: 62 Resp: 67771

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

1.40

60000

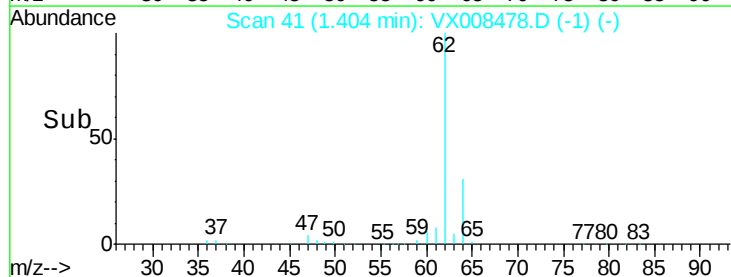
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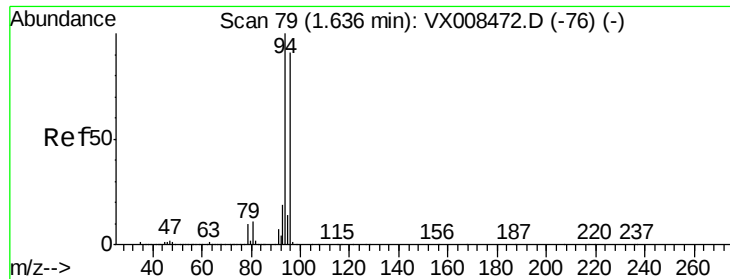
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Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 18.465 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 33658

Ion Ratio Lower Upper

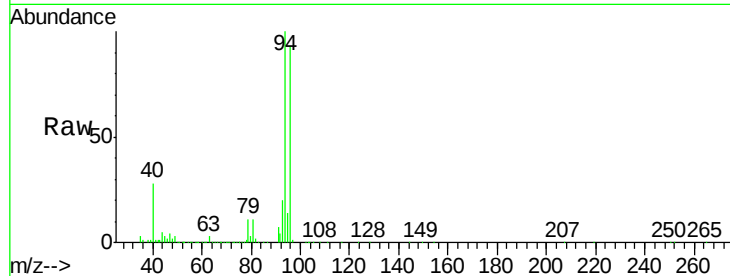
94 100

96 93.4 75.6 113.4

Manual Integrations
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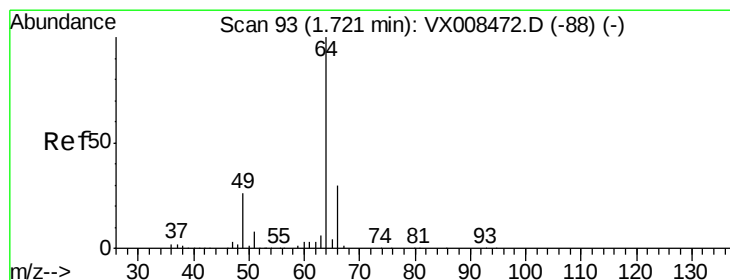
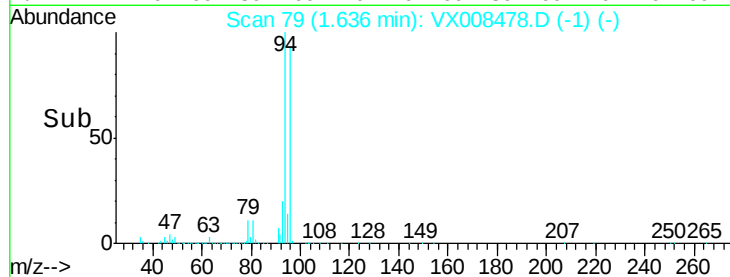
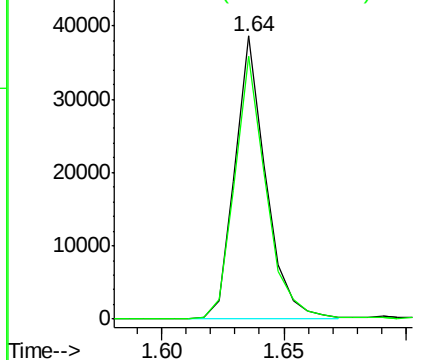
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.953 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008478.D

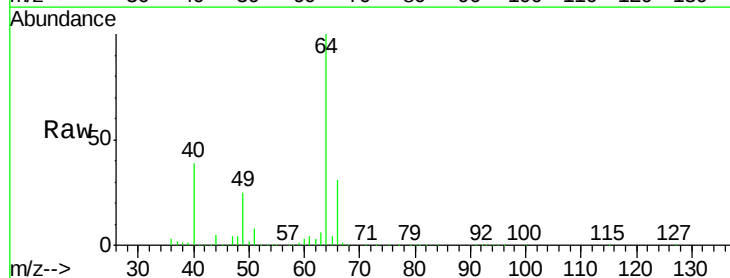
Acq: 27 Mar 2019 13:13

Tgt Ion: 64 Resp: 41336

Ion Ratio Lower Upper

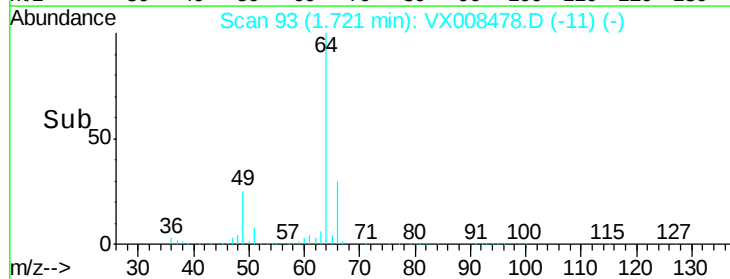
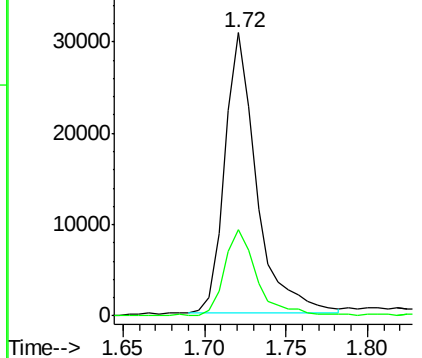
64 100

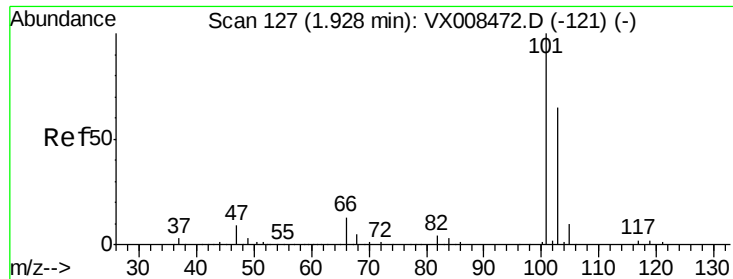
66 30.7 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

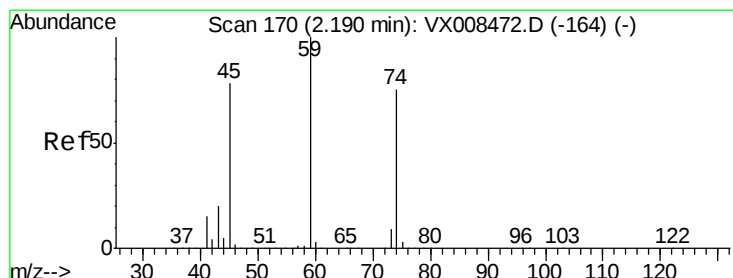
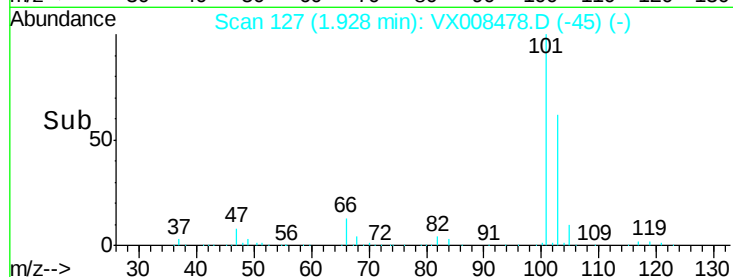
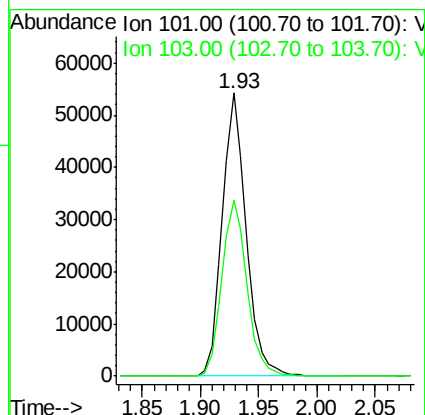
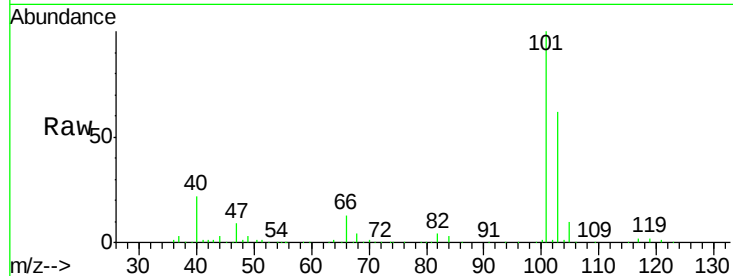
Trichlorofluoromethane
Concen: 19.752 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		77125		
103	62.3	50.4	75.6		

Manual Integrations
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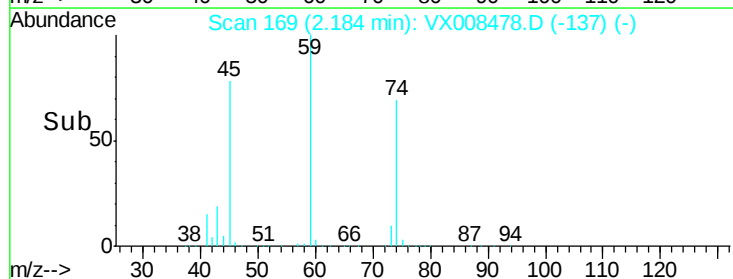
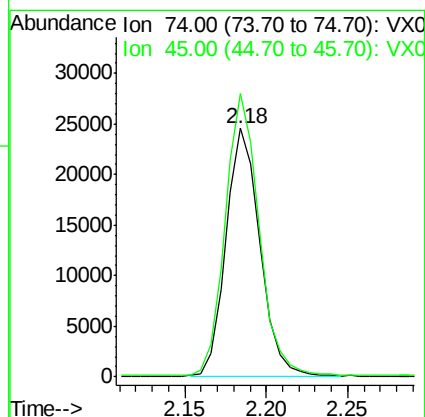
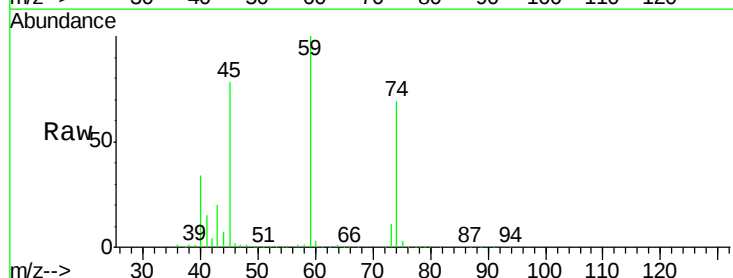
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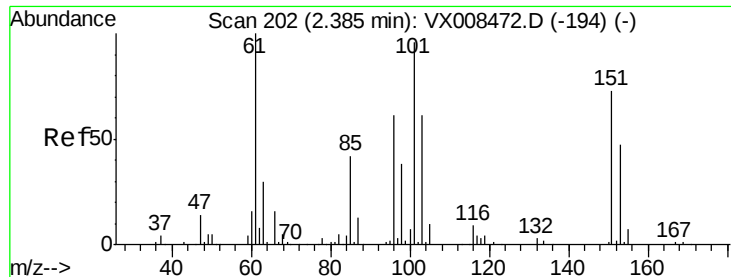


#8

Diethyl Ether
Concen: 19.194 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		35344		
45	113.5	18.6	167.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.776 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

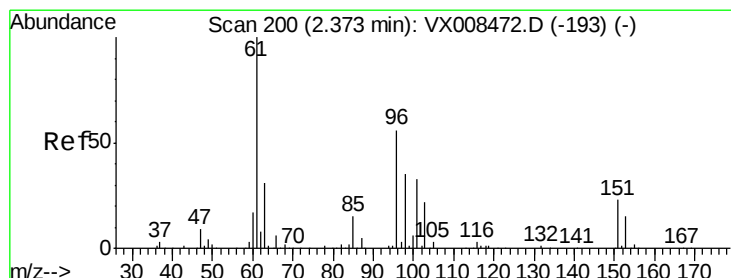
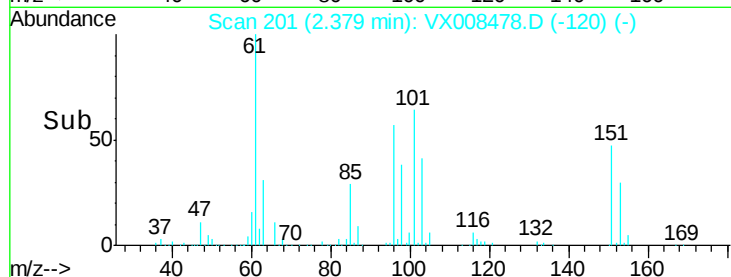
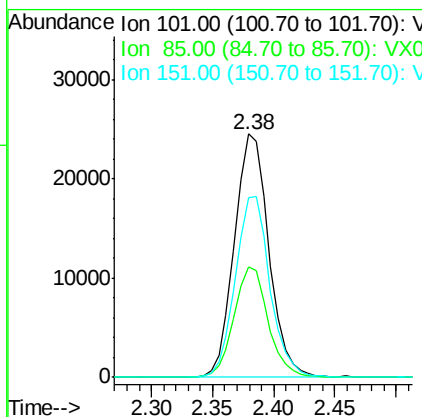
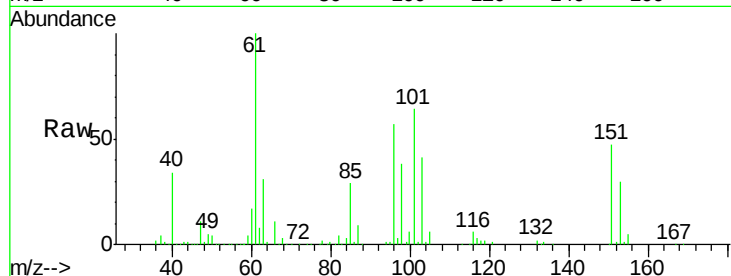
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	48088
Ion Ratio	Lower	Upper	
101	100		
85	44.9	0.0	86.8
151	74.5	0.0	169.2

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#10

1,1-Dichloroethene

Concen: 19.683 ug/l

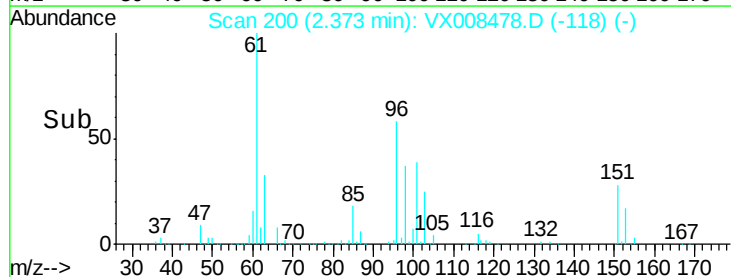
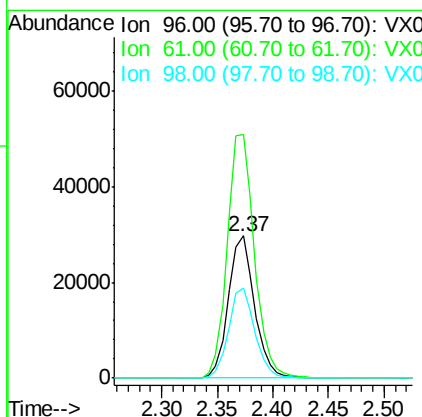
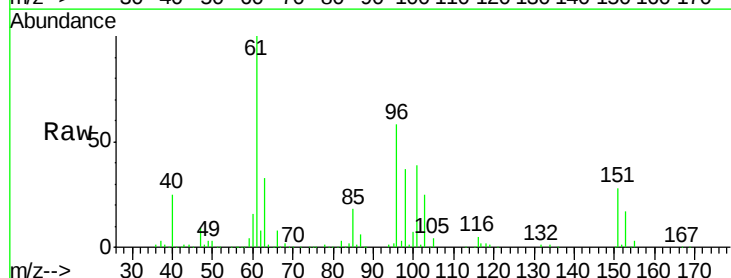
RT: 2.37 min Scan# 200

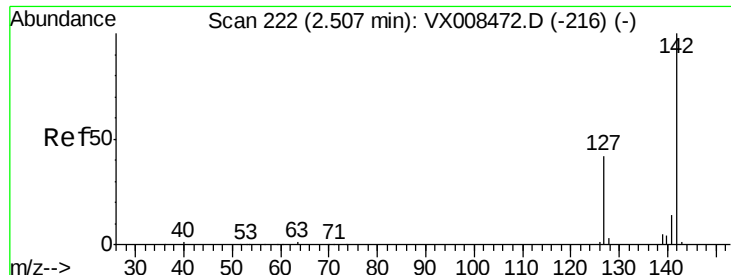
Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Tgt Ion:	96	Resp:	48555
Ion Ratio	Lower	Upper	
96	100		
61	171.2	120.2	180.2
98	62.9	49.0	73.4





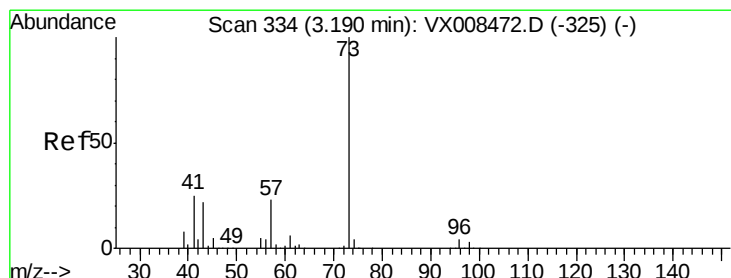
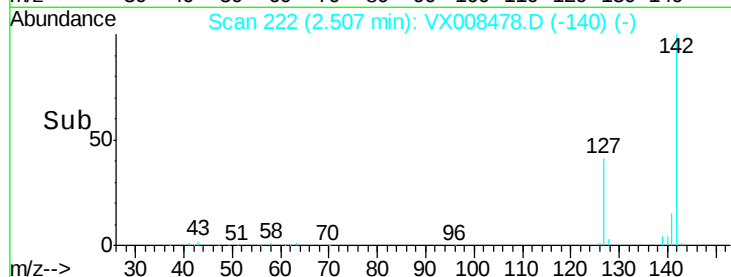
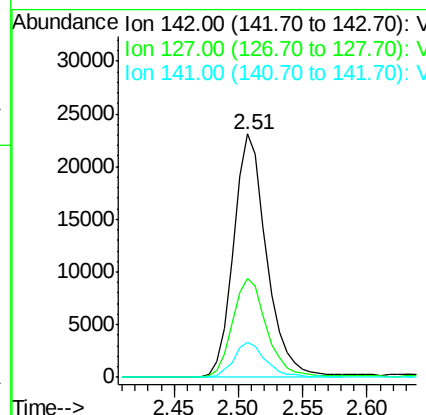
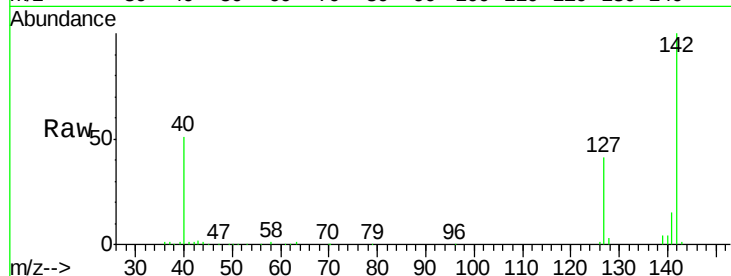
#11
Methyl Iodide
Concen: 16.300 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.9	22.1	66.5
141	14.5	7.4	22.3

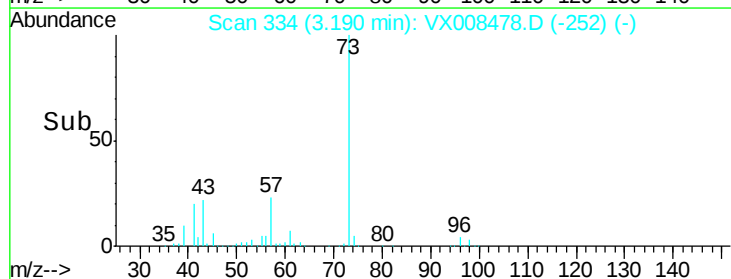
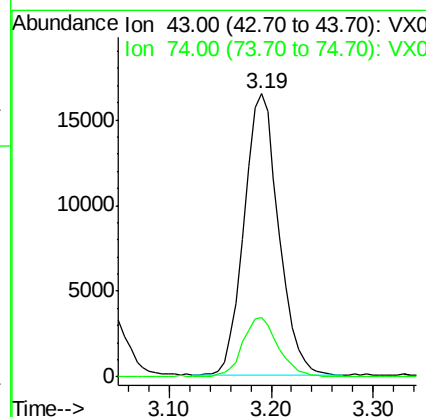
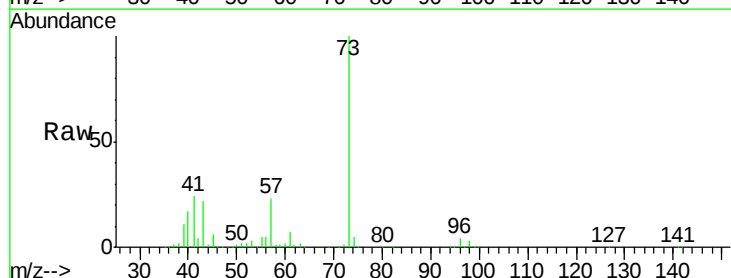
Manual Integrations
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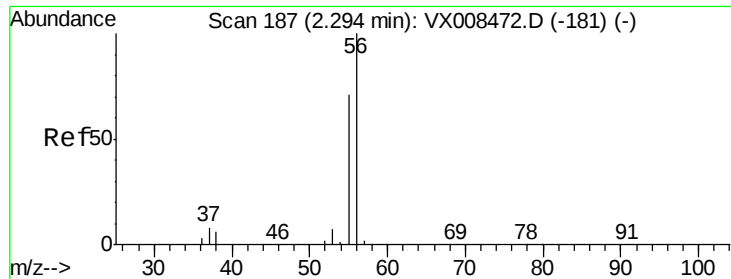
MMDadoda
3/28/2019 9:36:22 AM



#12
Methyl Acetate
Concen: 19.432 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	19.4	29.0





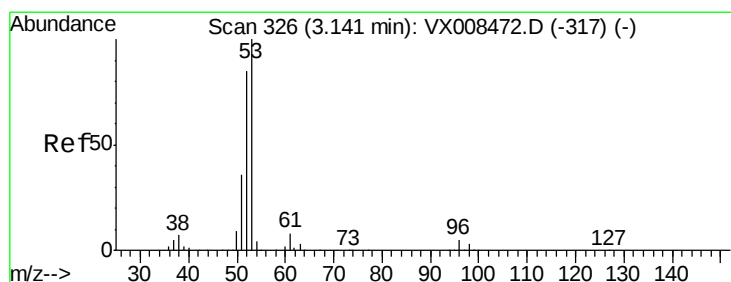
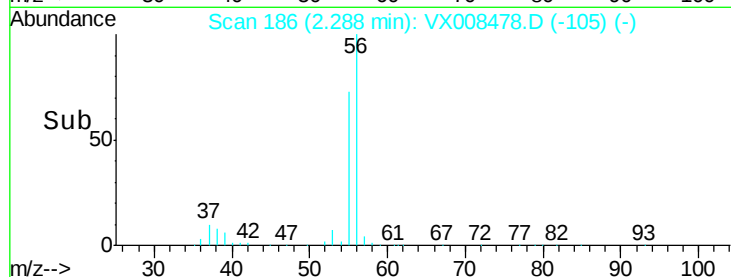
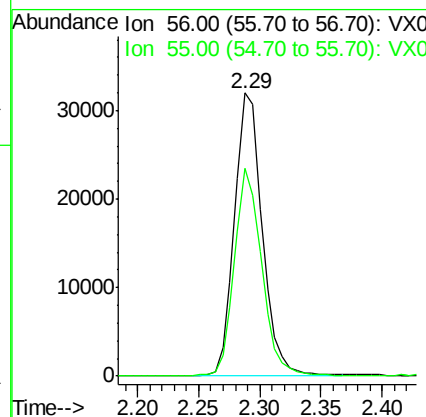
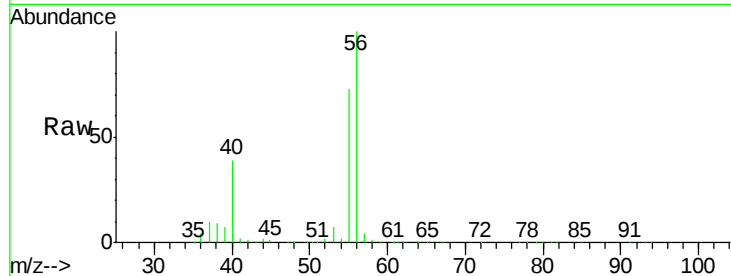
#13
Acrolein
Concen: 87.851 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	56	55	Ratio	100	71.0	Resp	50390	Lower	58.6	Upper	87.8
Ion											

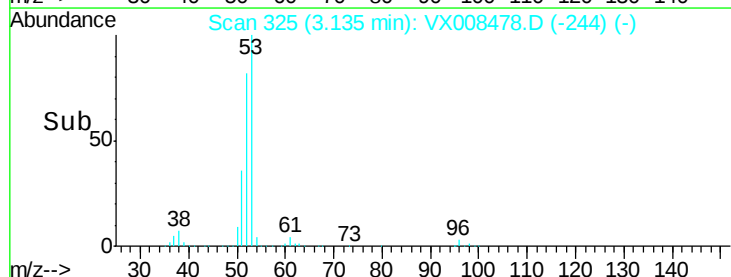
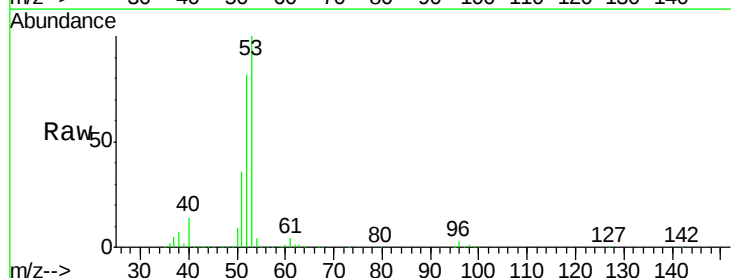
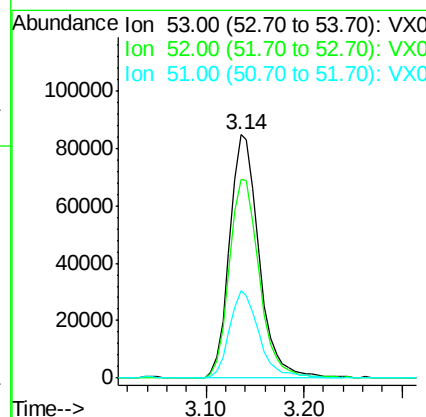
Manual Integrations
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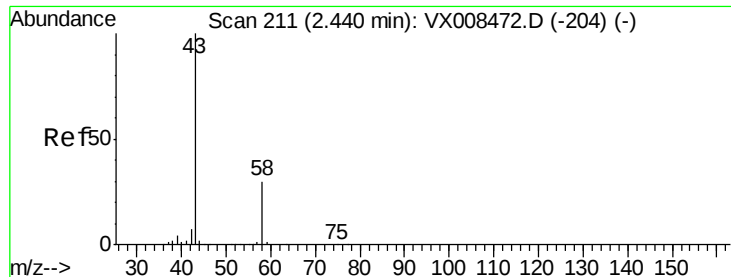
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#14
Acrylonitrile
Concen: 96.003 ug/l
RT: 3.14 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	53	52	51	Ratio	100	83.0	36.1	Resp	177462	Lower	41.3	17.5	Upper	124.1	52.6
Ion															





#15

Acetone

Concen: 93.227 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 53142

Ion Ratio Lower Upper

58 100

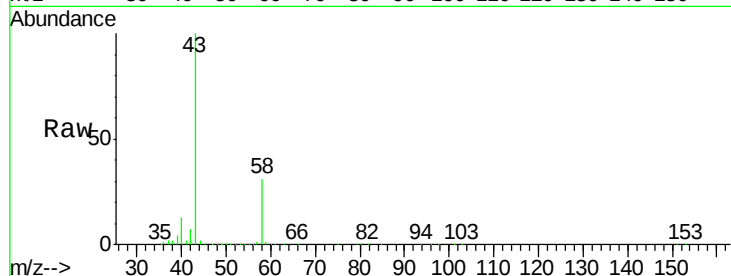
43 324.7 249.8 374.6

Manual Integrations

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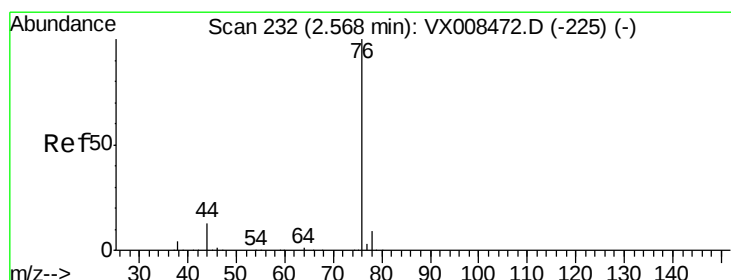
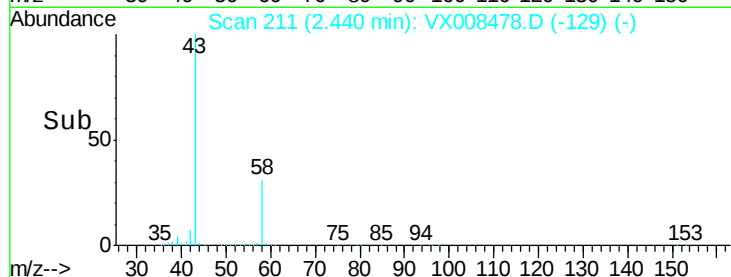
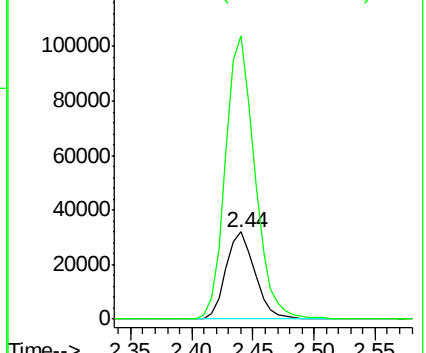
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.383 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008478.D

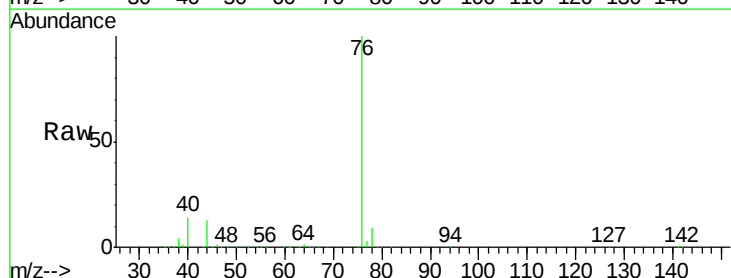
Acq: 27 Mar 2019 13:13

Tgt Ion: 76 Resp: 148746

Ion Ratio Lower Upper

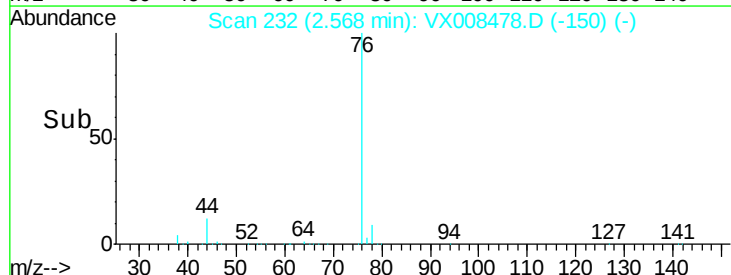
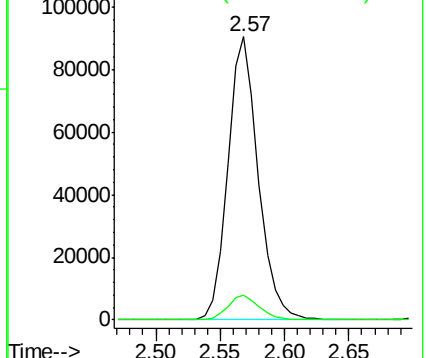
76 100

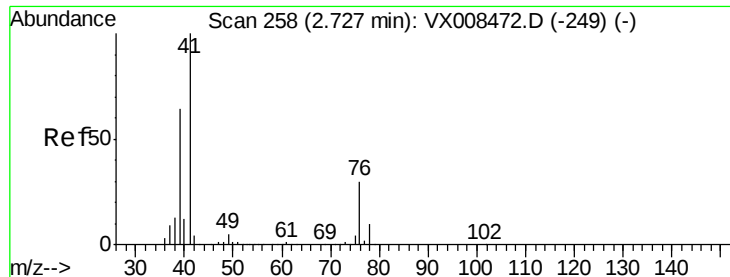
78 8.9 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





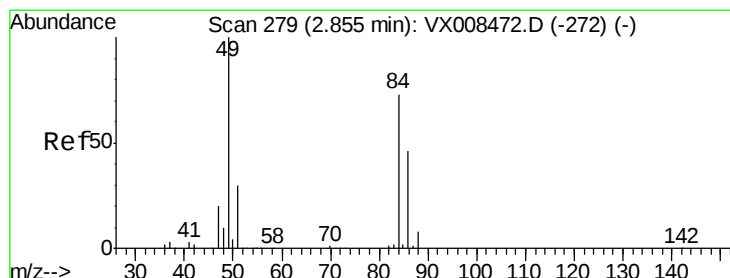
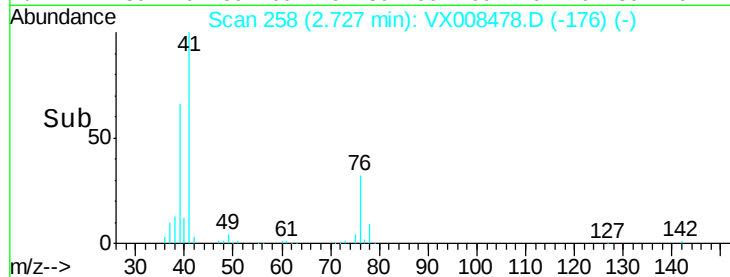
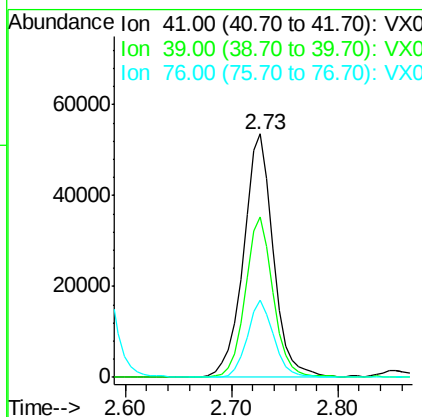
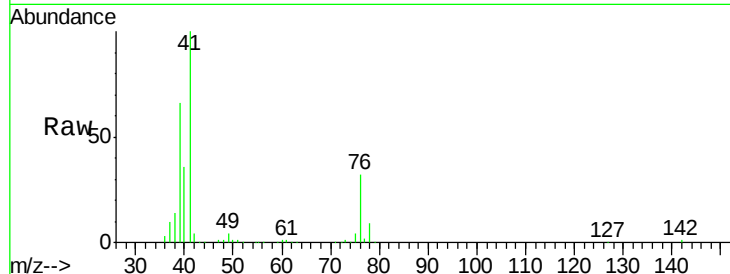
#17
Allvl chloride
Concen: 19.017 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		105431		
39	65.5	35.8	107.4		
76	31.5	18.3	54.9		

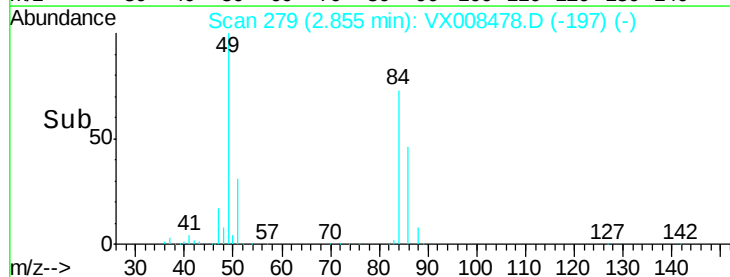
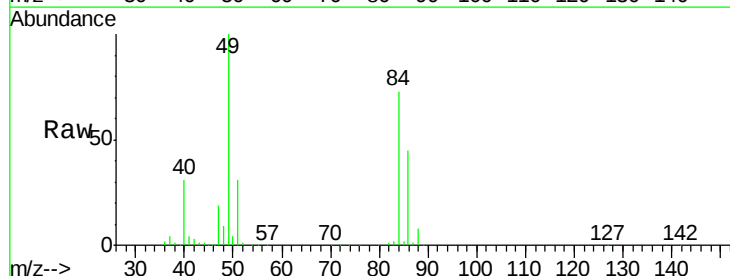
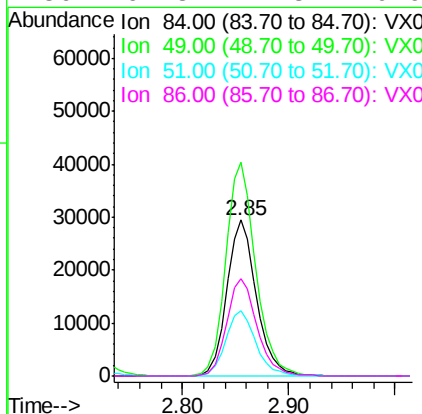
Manual Integrations
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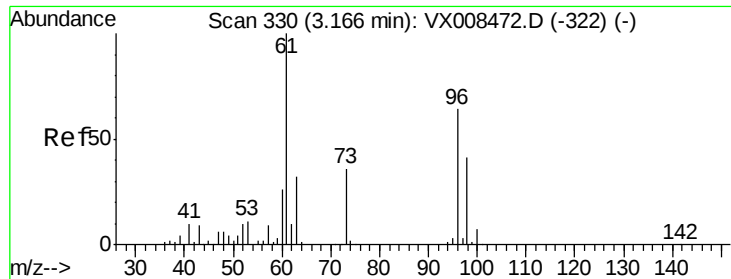
MMDadoda
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#18
Methylene Chloride
Concen: 19.422 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	100		57271		
49	136.7	96.1	144.1		
51	42.2	29.1	43.7		
86	62.3	47.3	70.9		





#19

trans-1,2-Dichloroethene

Concen: 19.517 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 96 Resp: 51439

Ion Ratio Lower Upper

96 100

61 157.3 109.9 164.9

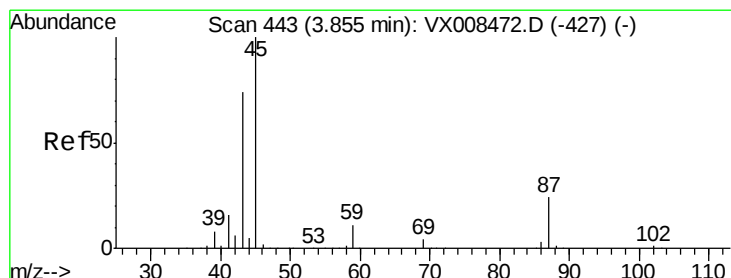
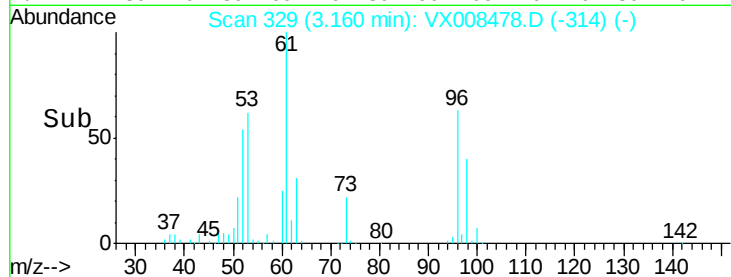
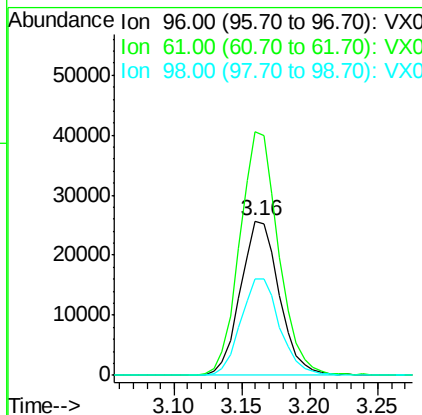
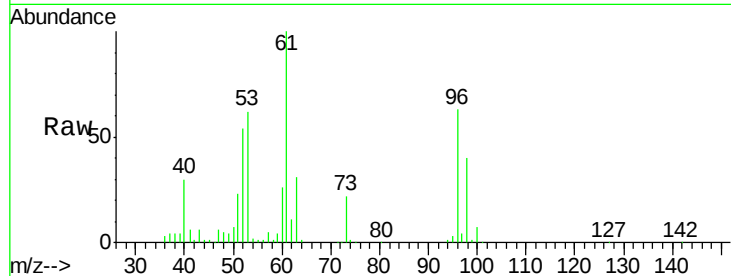
98 62.3 50.4 75.6

Manual Integrations

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#20

Diisopropyl ether

Concen: 19.621 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Tgt Ion: 45 Resp: 211725

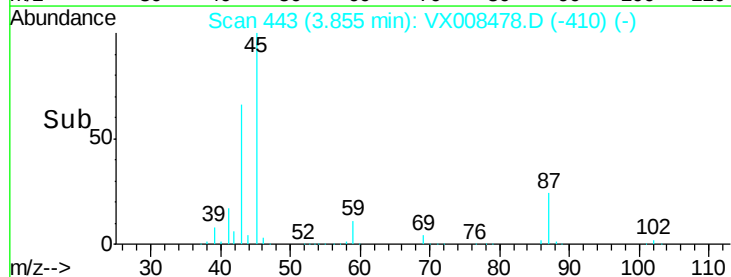
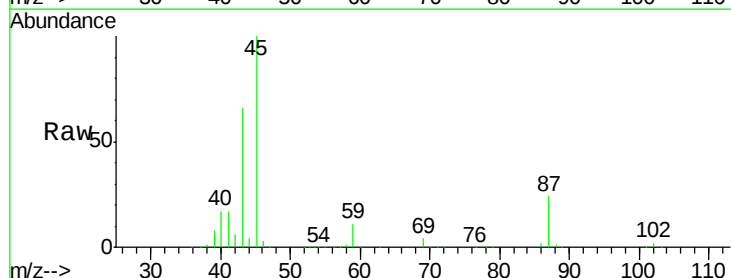
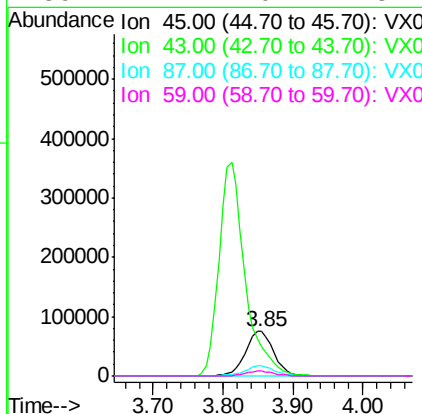
Ion Ratio Lower Upper

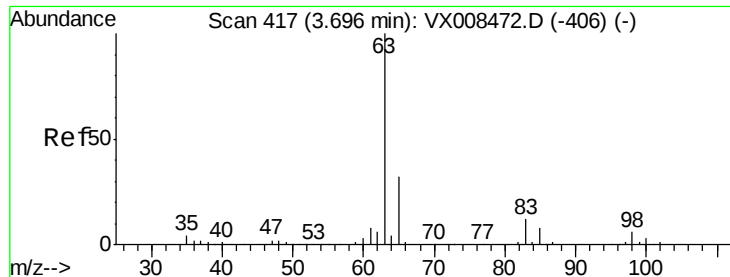
45 100

43 66.3 50.6 76.0

87 23.6 24.5 36.7#

59 11.1 10.2 15.2





#21

1,1-Dichloroethane

Concen: 19.457 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

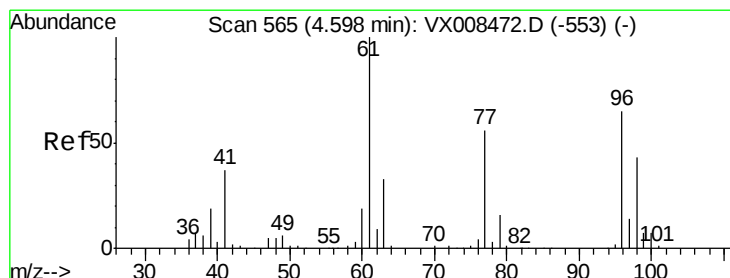
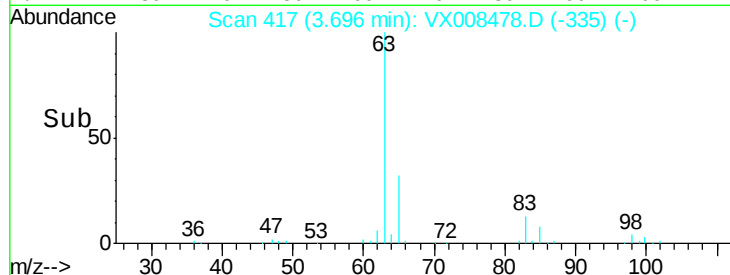
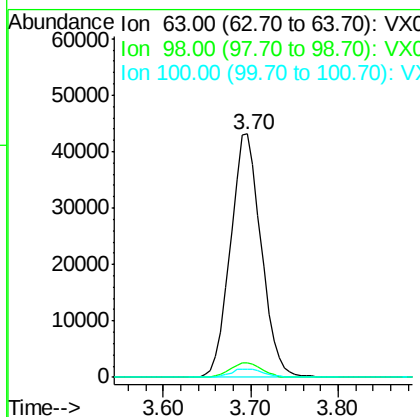
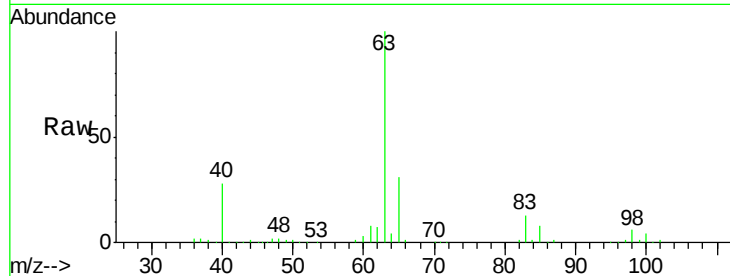
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	105389
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.8	11.4
100	3.5	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.477 ug/l

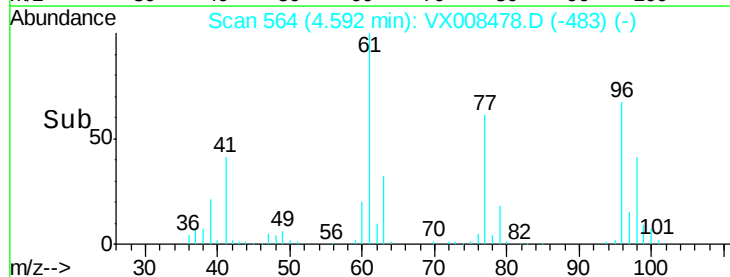
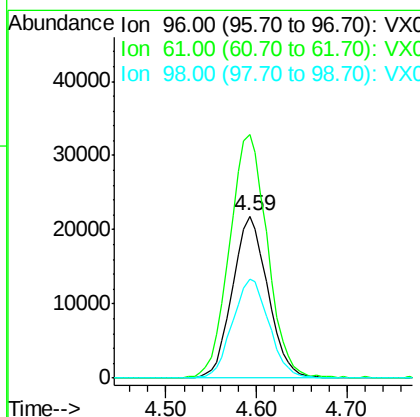
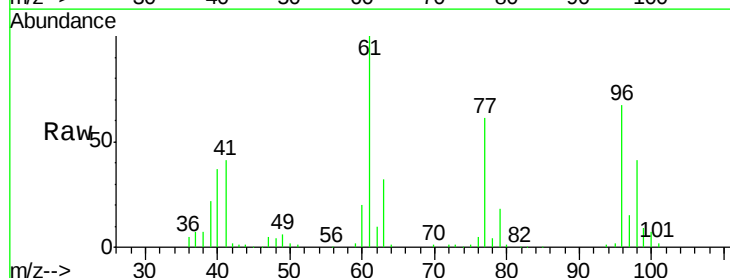
RT: 4.59 min Scan# 564

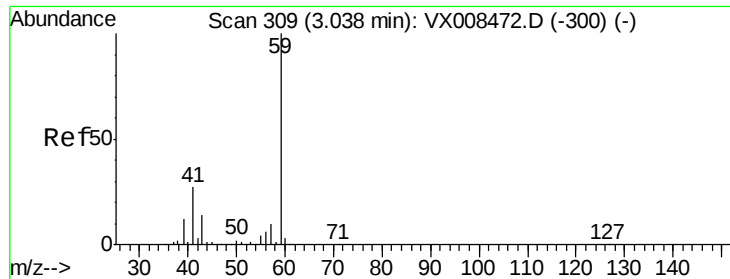
Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Tgt Ion:	96	Resp:	59317
Ion Ratio	Lower	Upper	
96	100		
61	160.8	103.5	155.3#
98	63.2	52.1	78.1





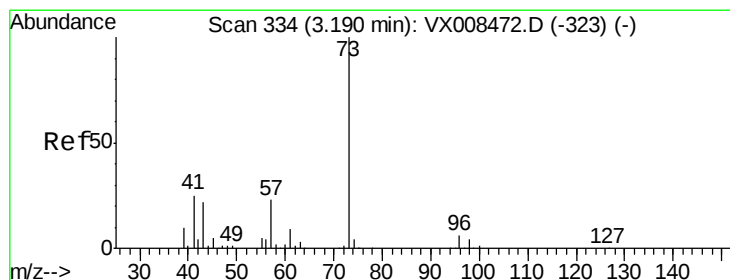
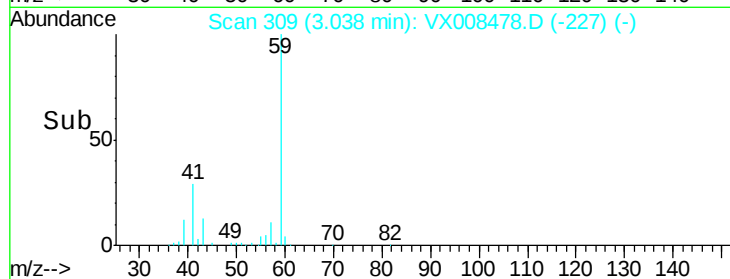
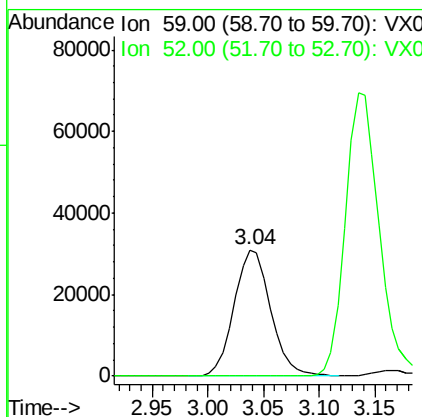
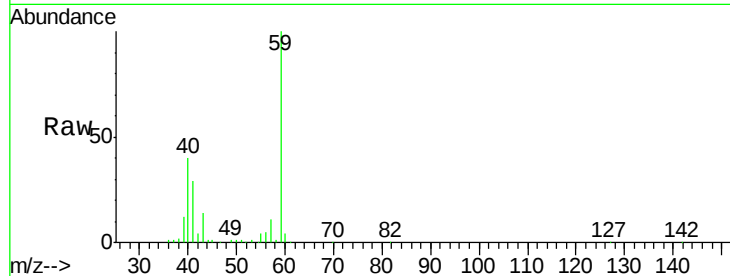
#23
tert-Butyl Alcohol
Concen: 94.548 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 59 Resp: 70574
Ion Ratio Lower Upper
59 100
52 0.4 0.2 0.2#

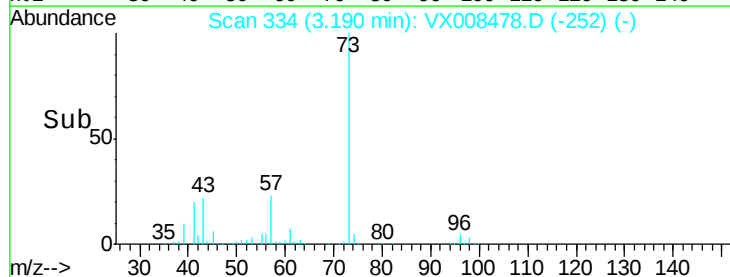
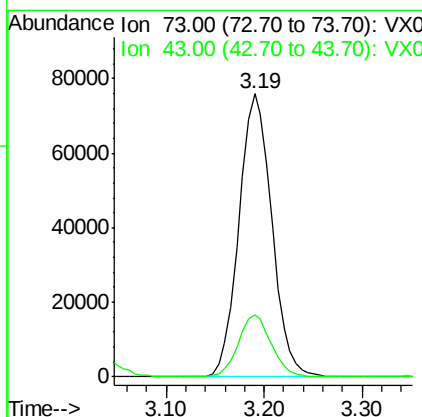
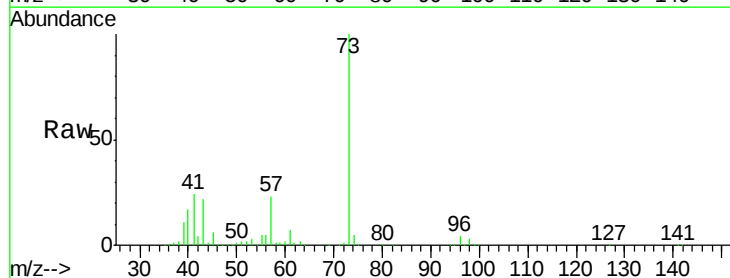
Manual Integrations
APPROVED

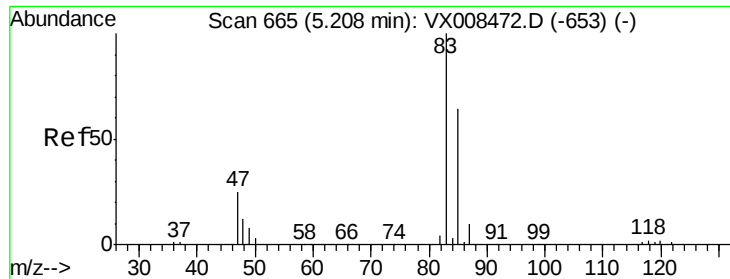
MMDadoda
3/28/2019 9:36:22 AM



#24
Methyl tert-Butyl Ether
Concen: 19.585 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 73 Resp: 177558
Ion Ratio Lower Upper
73 100
43 21.9 17.1 25.7





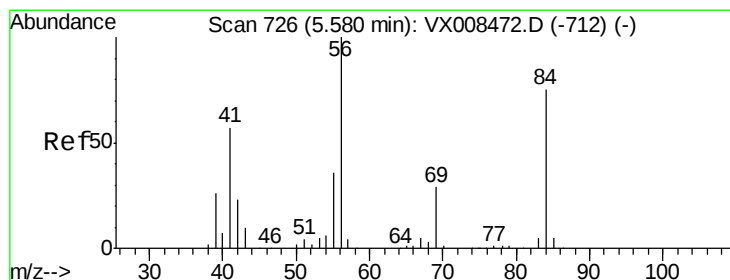
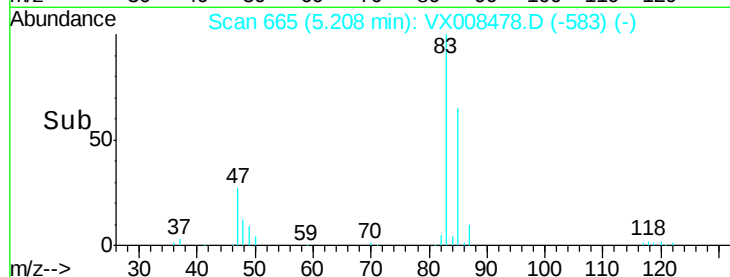
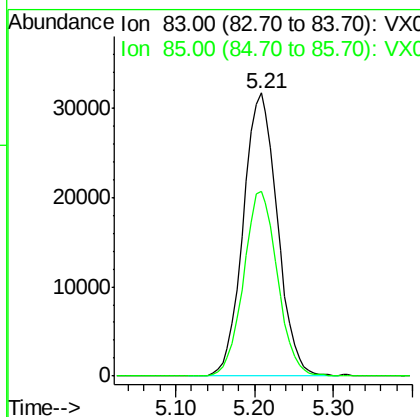
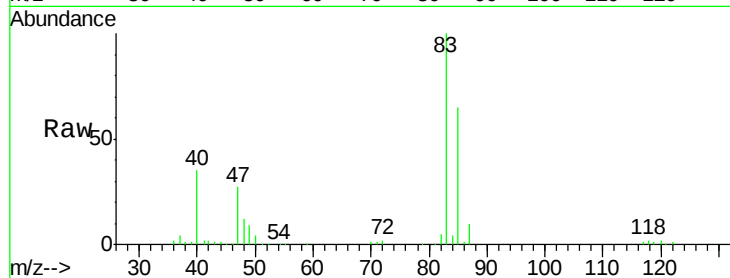
#25
Chloroform
Concen: 19.419 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	95278
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	53.8	80.6

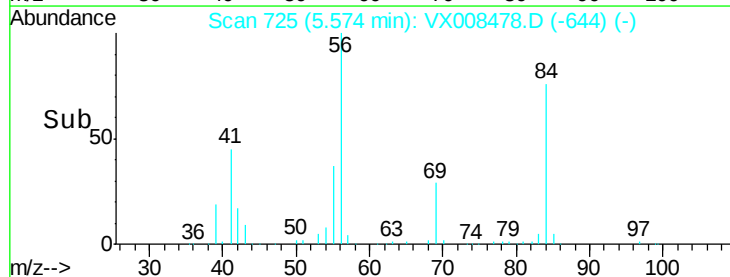
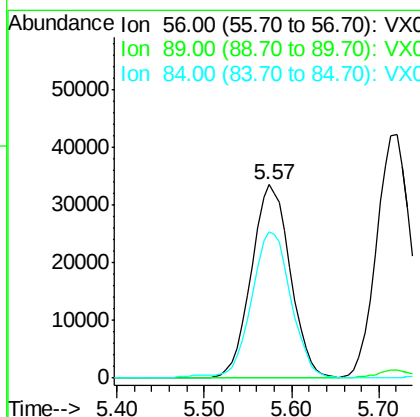
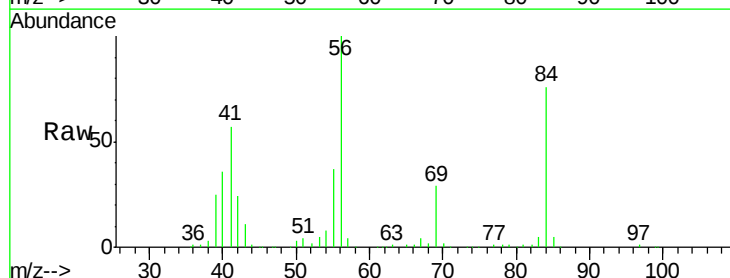
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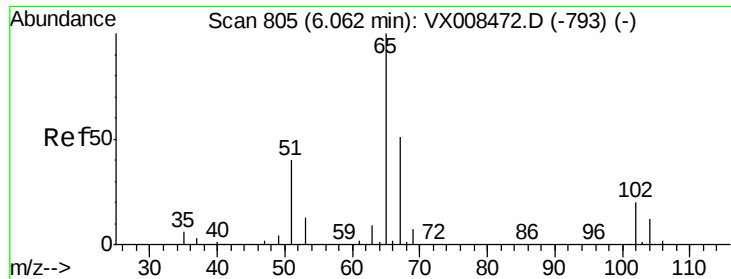
MMDadoda
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#26
Cyclohexane
Concen: 19.835 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	56	Resp	104376
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	75.6	73.9	110.9





#27

1,2-Dichloroethane-d4

Concen: 29.693 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 96763

Ion Ratio Lower Upper

65 100

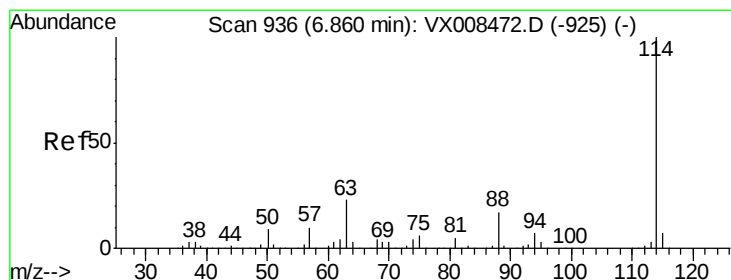
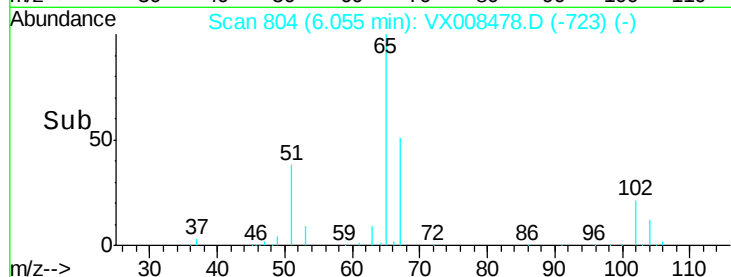
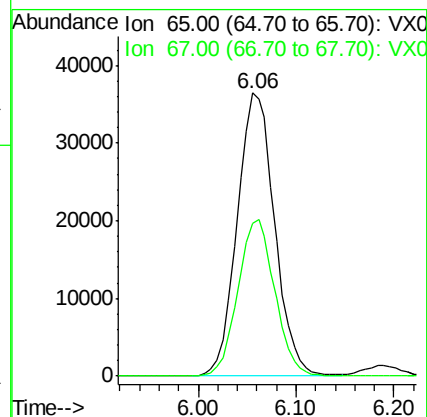
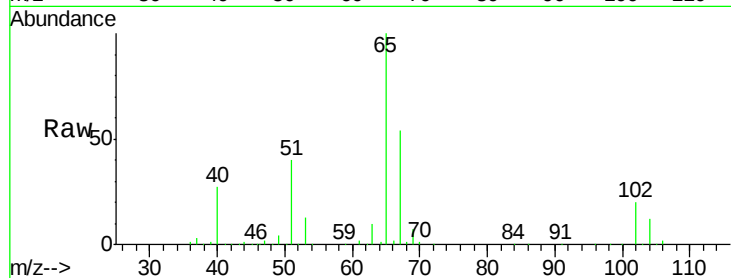
67 54.6 42.9 64.3

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

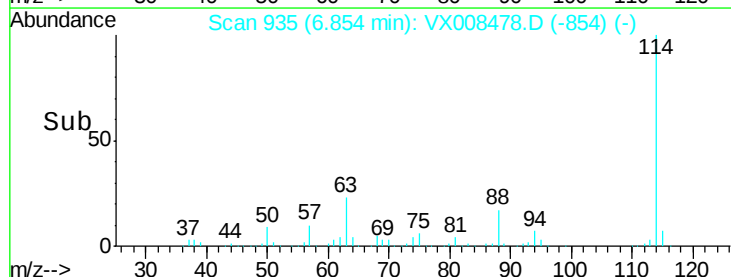
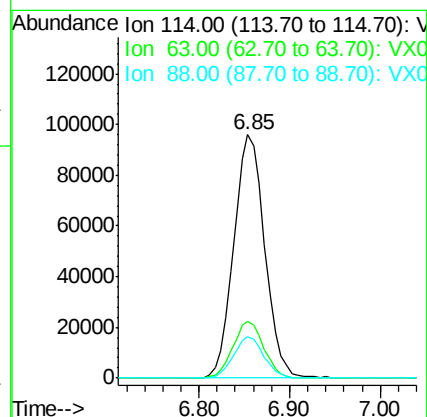
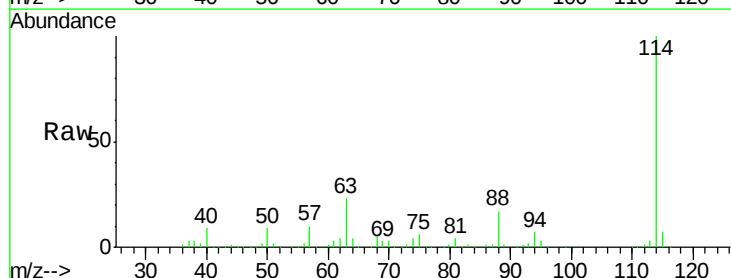
Tgt Ion: 114 Resp: 228028

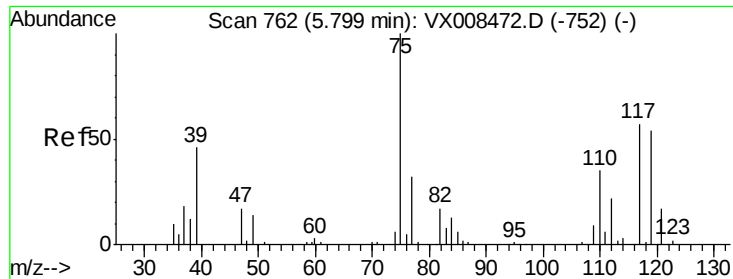
Ion Ratio Lower Upper

114 100

63 23.2 14.2 21.4#

88 16.7 11.9 17.9





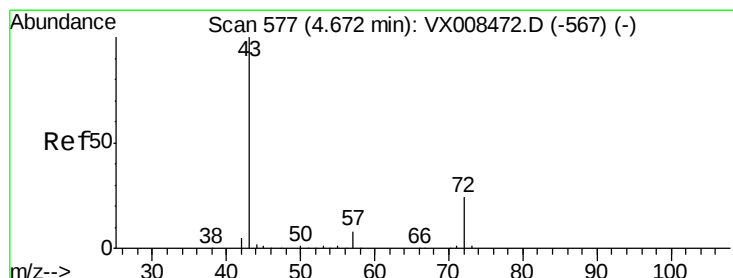
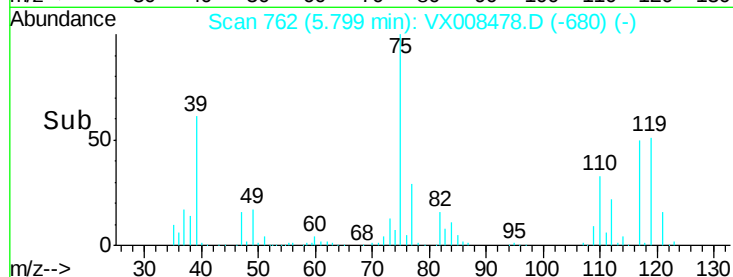
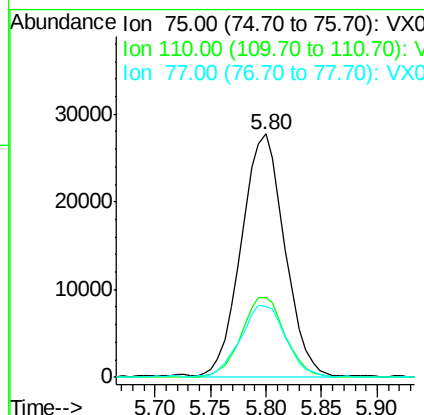
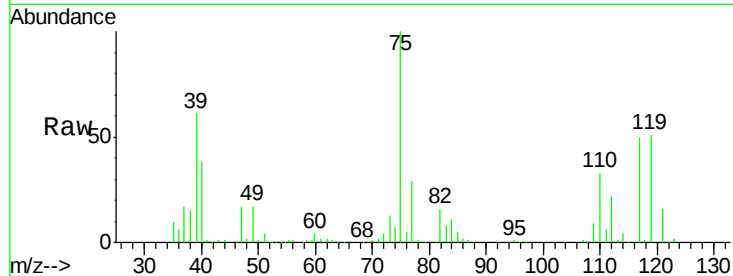
#29
 1,1-Dichloropropene
 Concen: 19.699 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.1	0.0	80.8
77	31.3	0.0	62.4

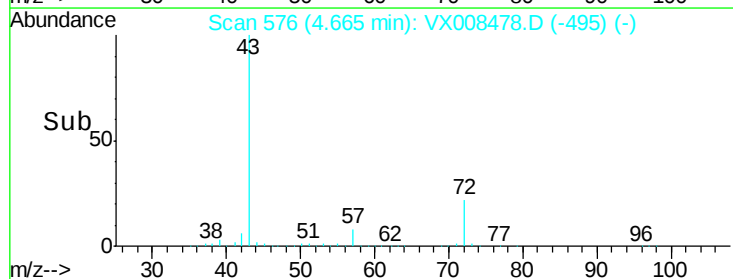
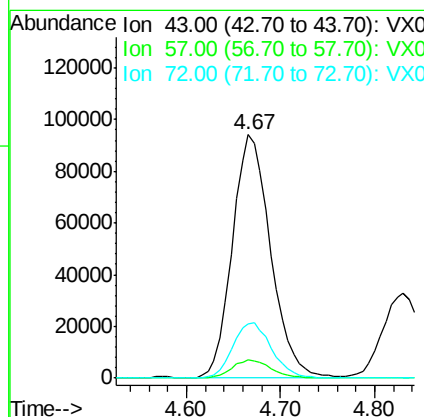
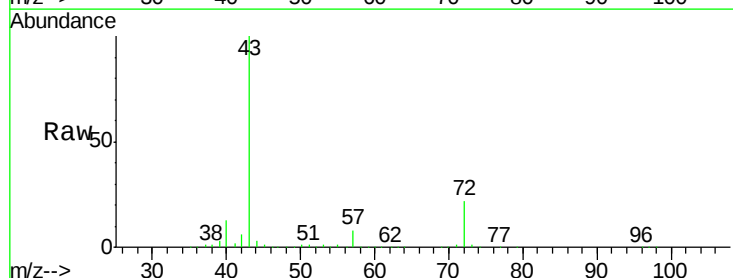
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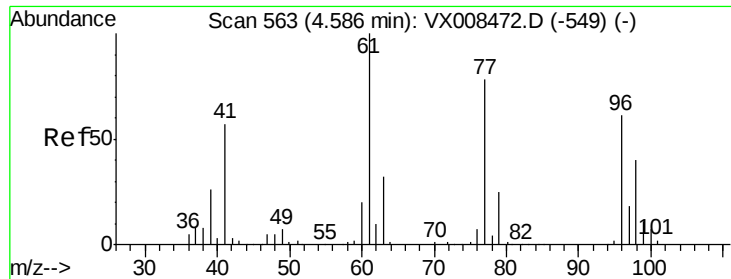
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#30
 2-Butanone
 Concen: 94.163 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	7.0	10.6
72	23.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 19.267 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 73822

Ion Ratio Lower Upper

77 100

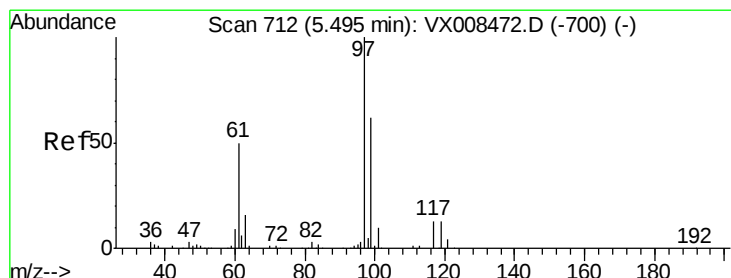
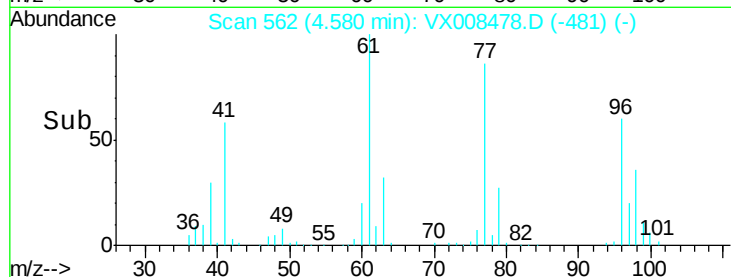
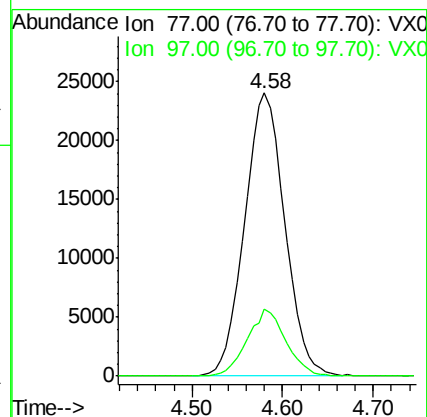
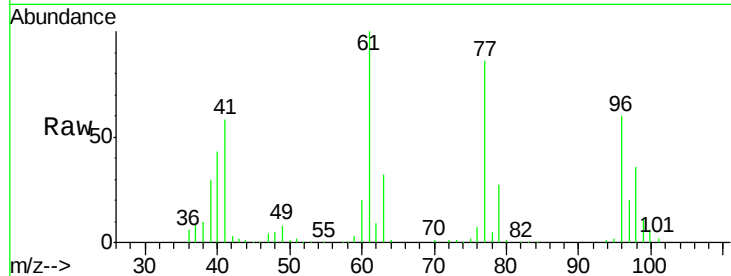
97 22.7 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.097 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

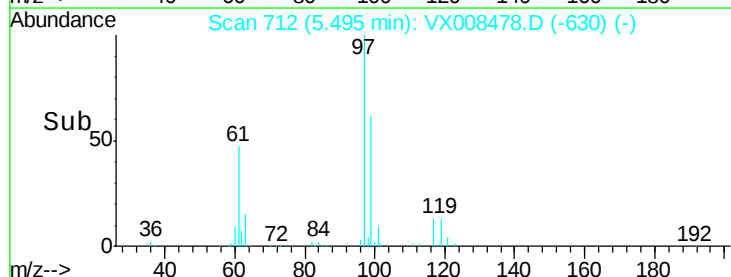
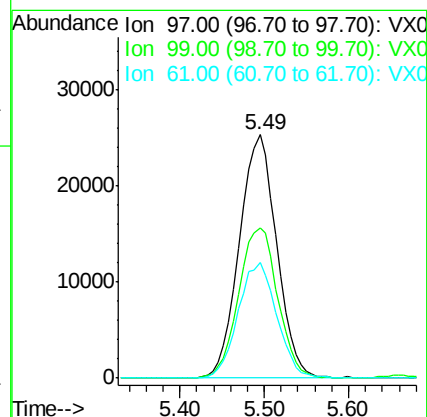
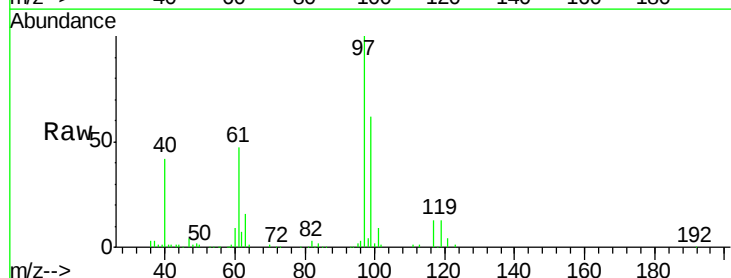
Tgt Ion: 97 Resp: 76077

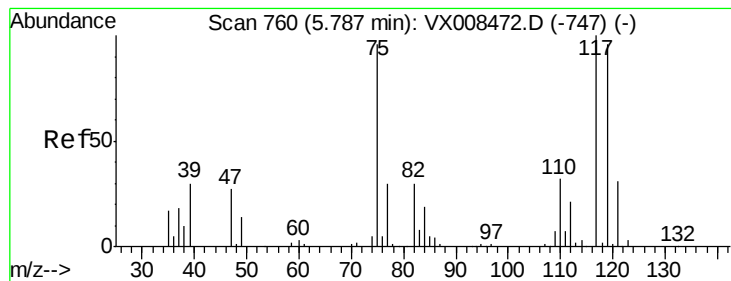
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 49.0 32.8 49.2





#33

Carbon Tetrachloride

Concen: 19.067 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

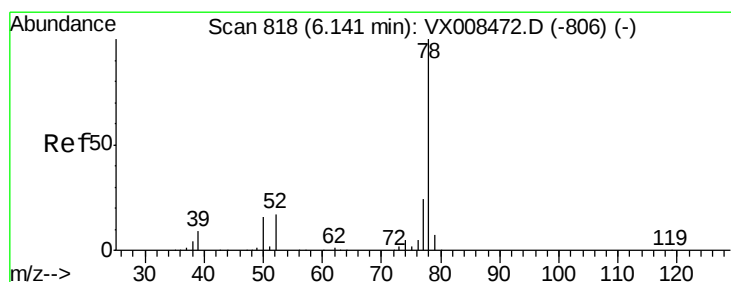
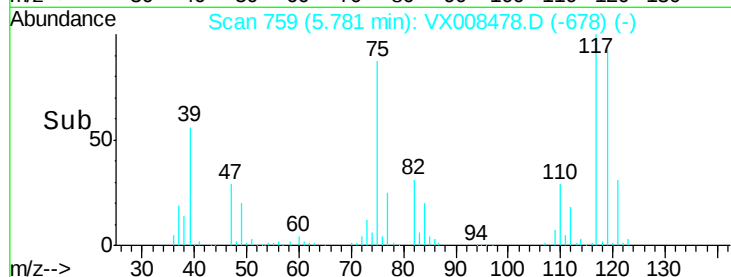
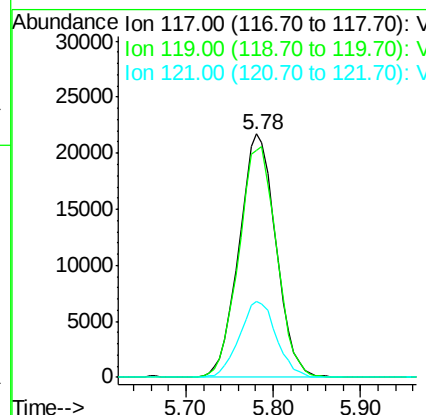
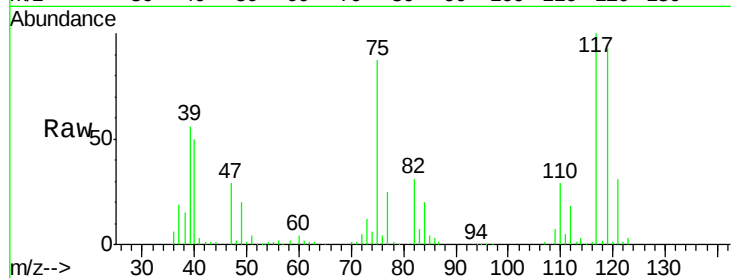
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	63551
Ion	Ratio	Lower	Upper
117	100		
119	93.2	78.1	117.1
121	31.4	27.0	40.6

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#34

Benzene

Concen: 19.441 ug/l

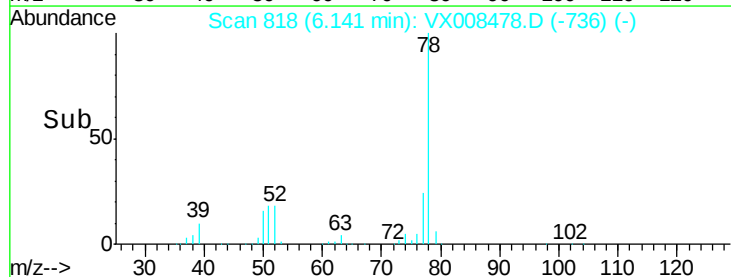
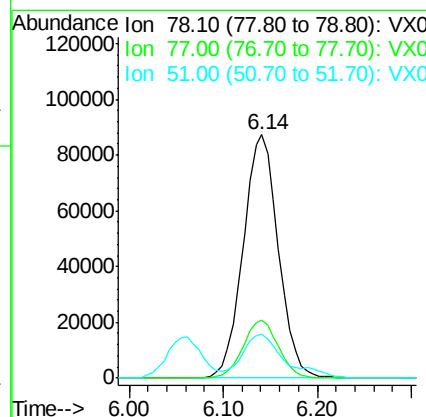
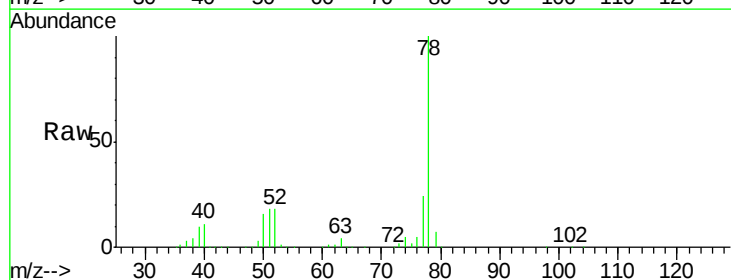
RT: 6.14 min Scan# 818

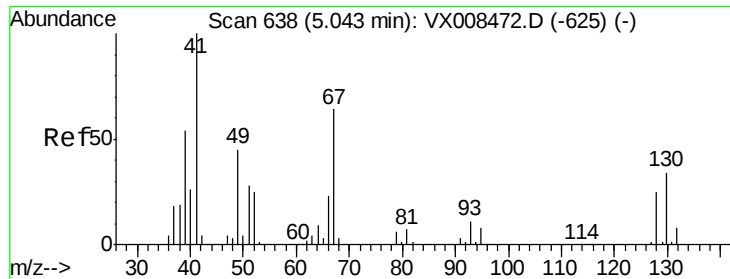
Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Tgt Ion:	78	Resp:	227973
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7
51	17.5	10.8	16.2#





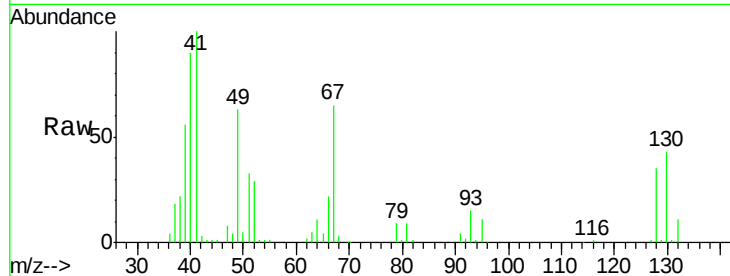
#35
Methacrylonitrile
Concen: 18.988 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

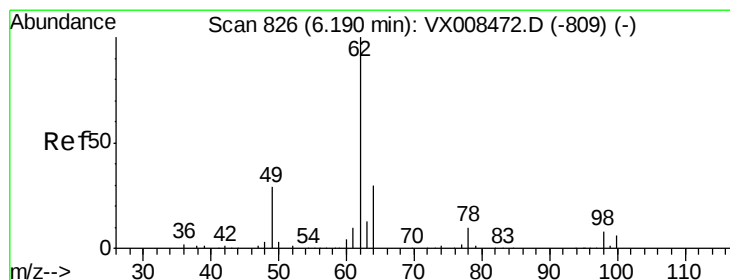
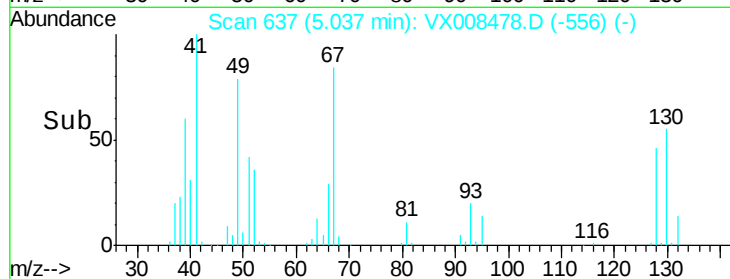
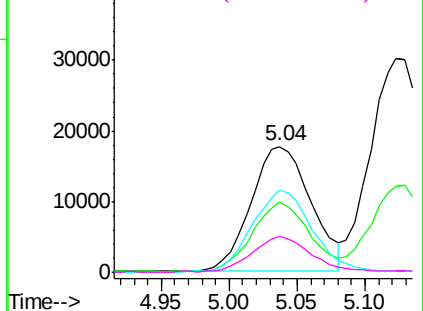
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	27.4	82.0	
67	65.0	37.9	113.6	
52	28.2	13.3	39.9	

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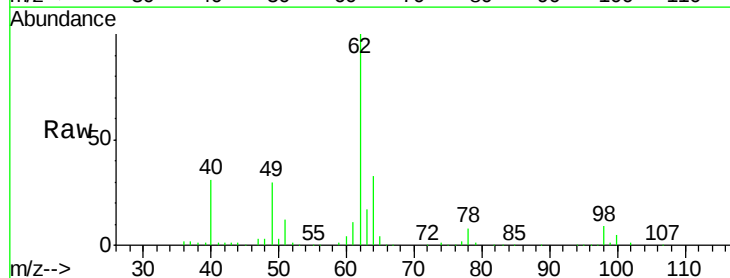


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

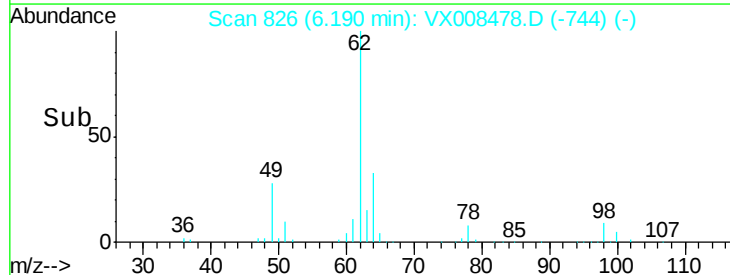
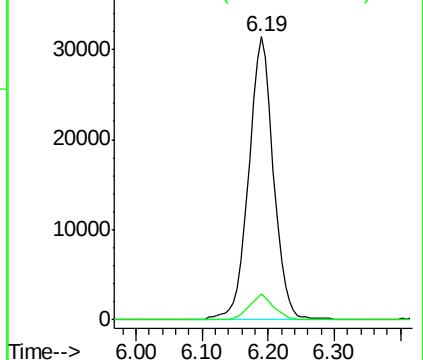


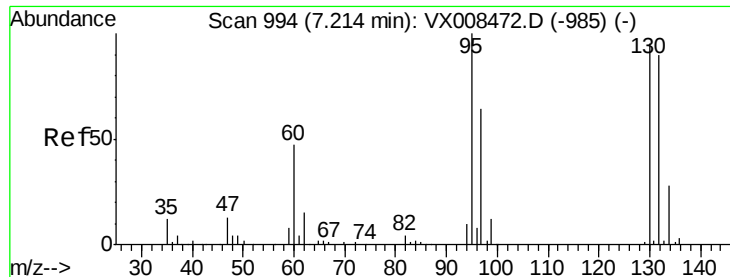
#36
1,2-Dichloroethane
Concen: 19.714 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	7.8	11.8	



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





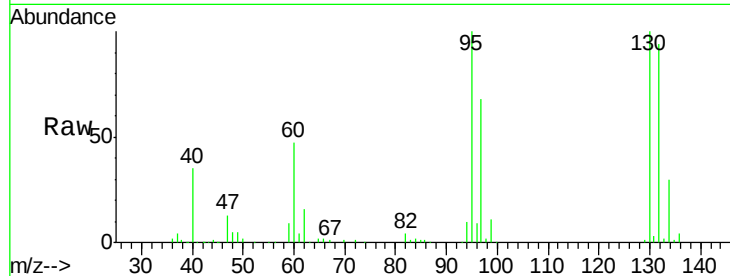
#37
 Trichloroethene
 Concen: 19.581 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

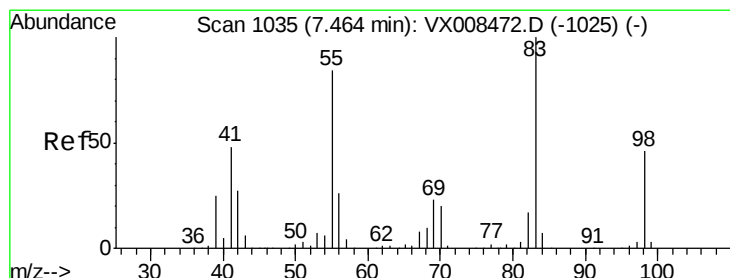
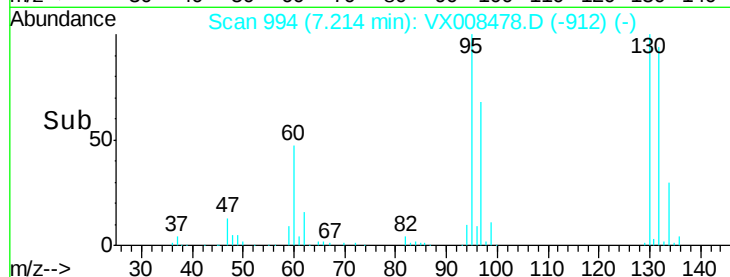
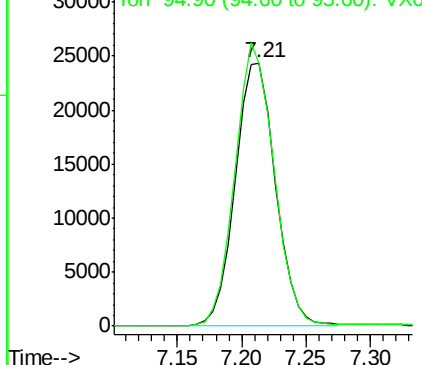
Tot Ion:130 Resp: 52805
 Ion Ratio Lower Upper
 130 100
 95 99.8 71.3 106.9

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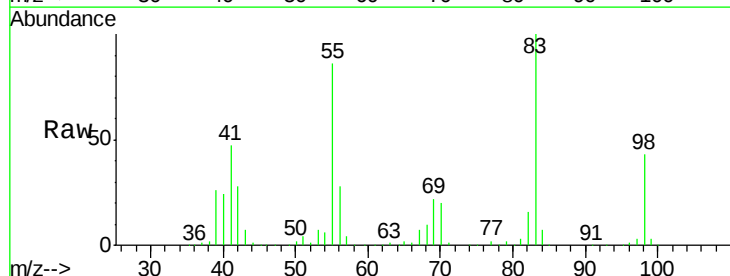


Abundance Ion 129.90 (129.60 to 130.60): V

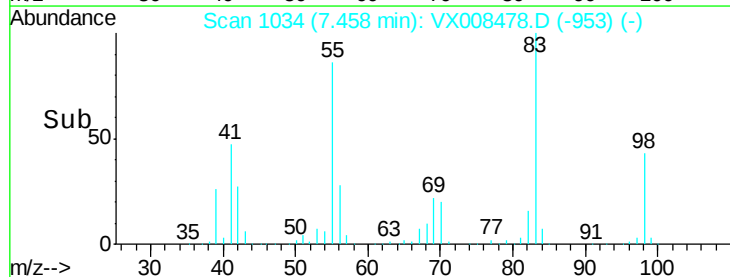
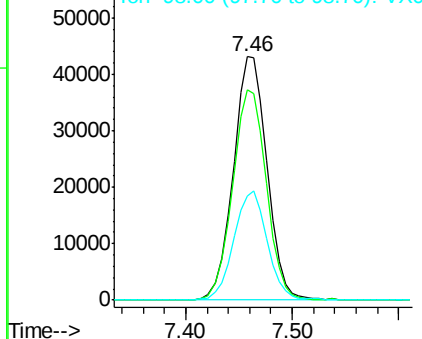


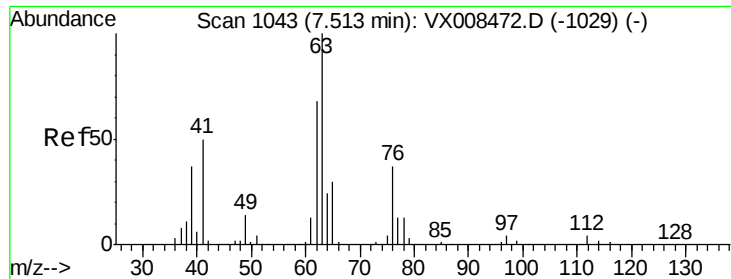
#38
 Methylcyclohexane
 Concen: 19.820 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 83 Resp: 95810
 Ion Ratio Lower Upper
 83 100
 55 86.3 36.0 108.0
 98 44.4 23.8 71.4



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





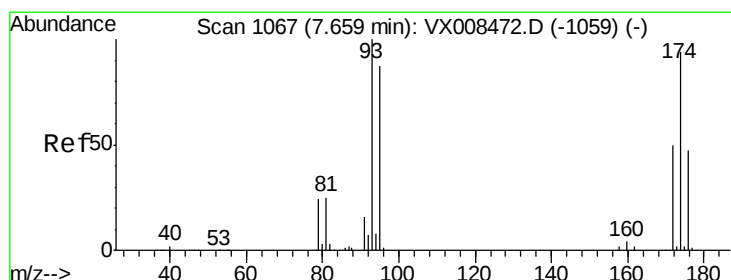
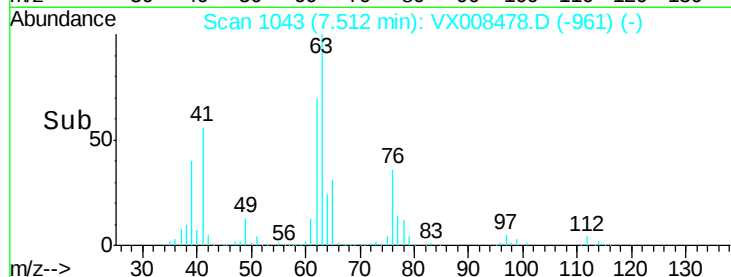
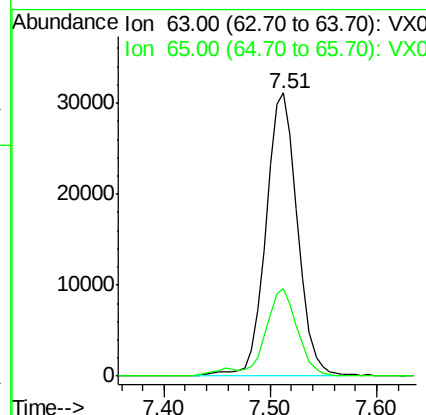
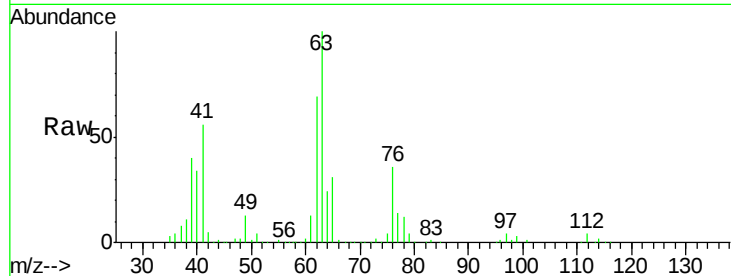
#39
 1,2-Dichloropropane
 Concen: 19.400 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 64525
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0

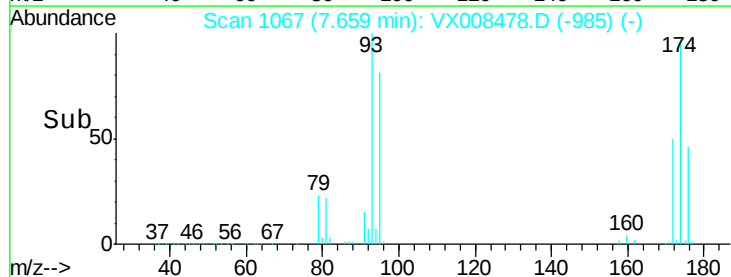
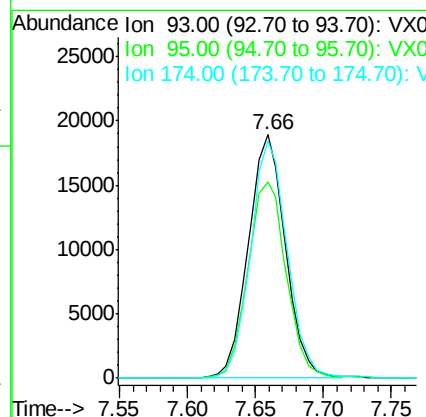
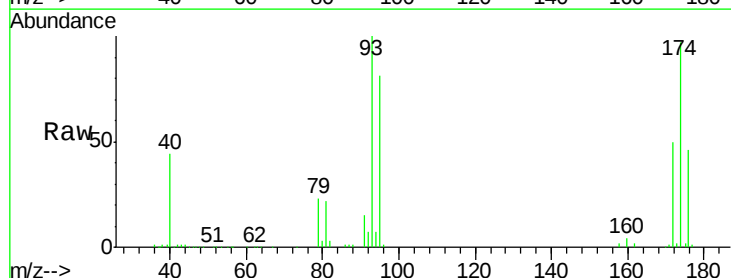
Manual Integrations
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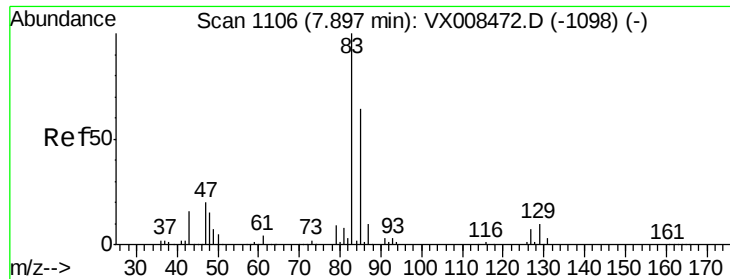
MMDadoda
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#40
 Dibromomethane
 Concen: 18.801 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 93 Resp: 36224
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 158.8
 174 96.6 0.0 224.2





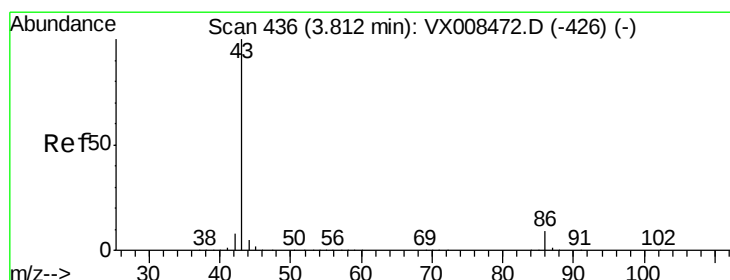
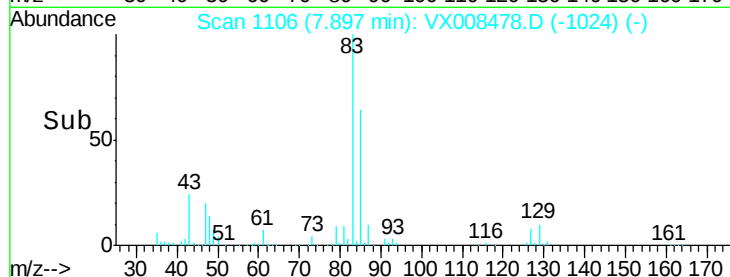
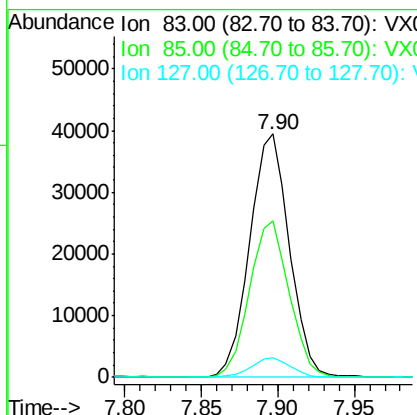
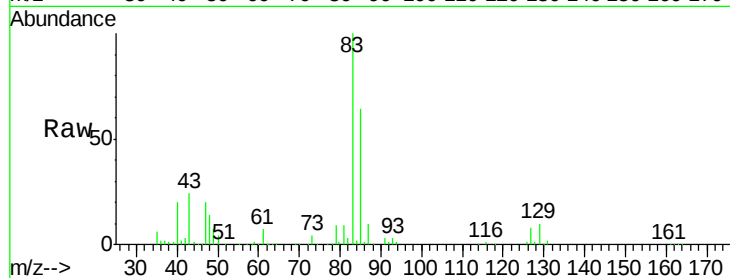
#41
Bromodichloromethane
Concen: 18.790 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	71186
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	8.1	7.2	10.8

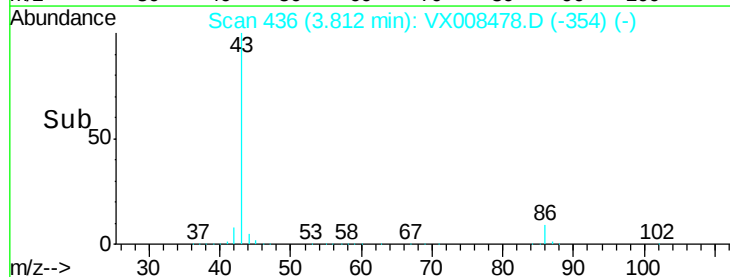
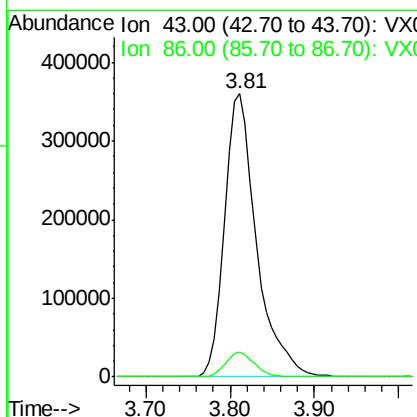
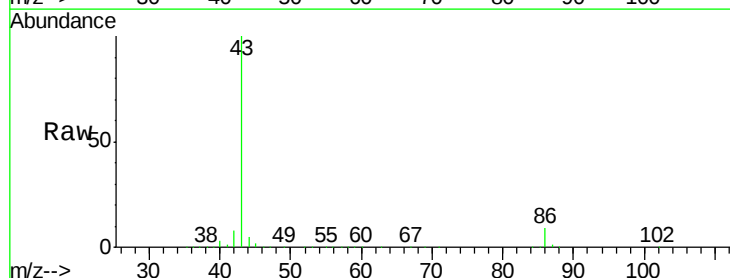
Manual Integrations
APPROVED

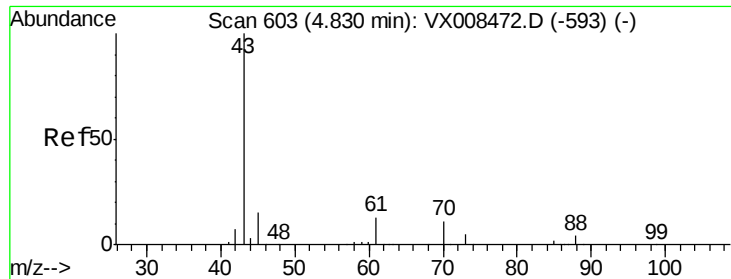
MMDadoda
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#42
Vinyl Acetate
Concen: 97.701 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	43	Resp	934299
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	8.2	12.2#





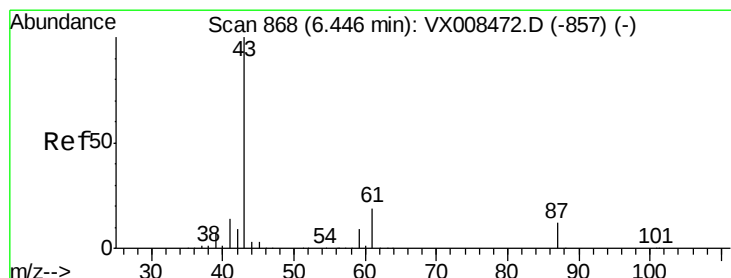
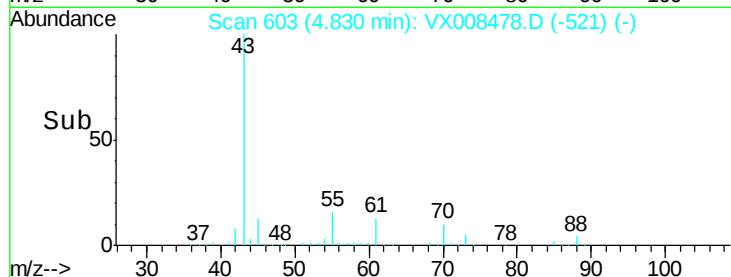
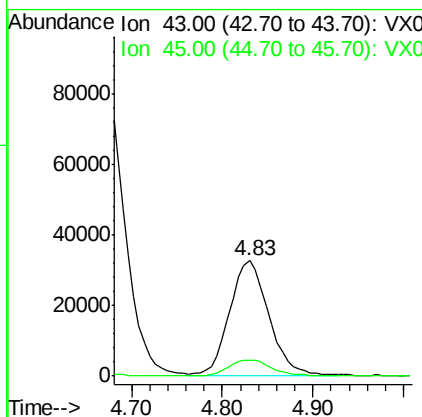
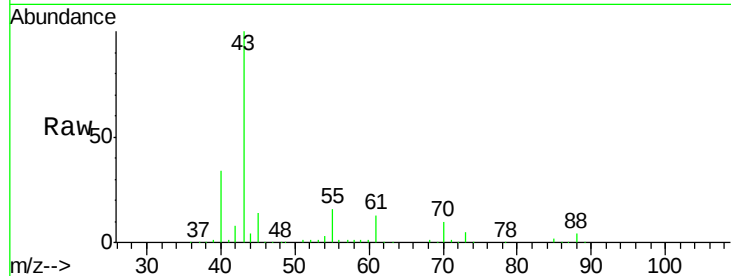
#43
Ethyl Acetate
Concen: 19.236 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 97668
Ion Ratio Lower Upper
43 100
45 15.6 6.9 10.3#

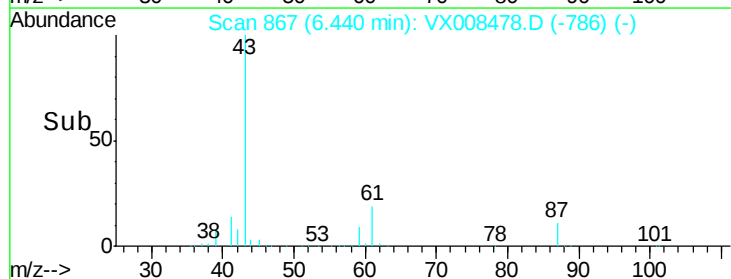
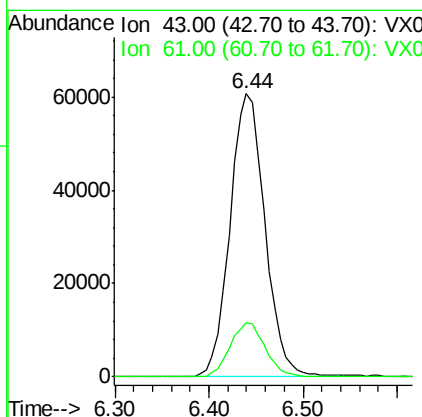
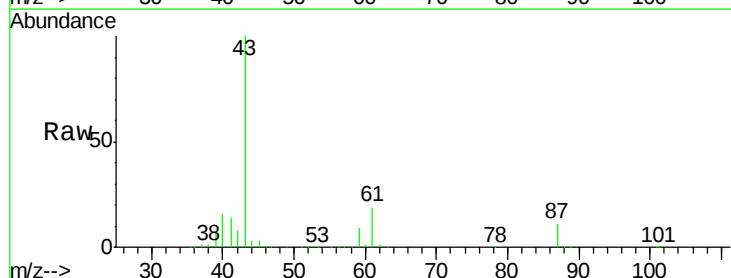
Manual Integrations
APPROVED

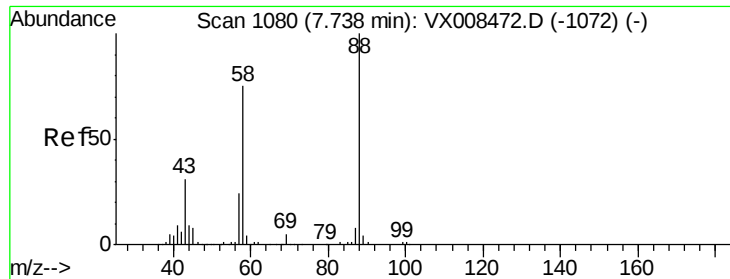
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.853 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 43 Resp: 154781
Ion Ratio Lower Upper
43 100
61 19.3 16.1 24.1





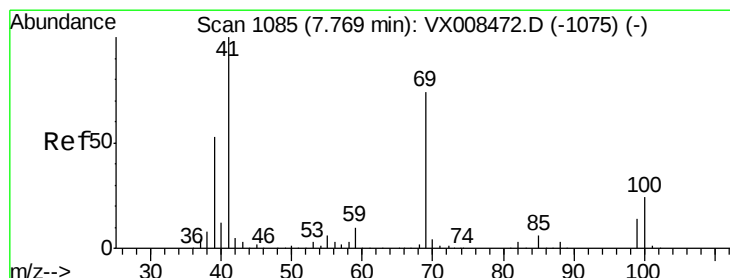
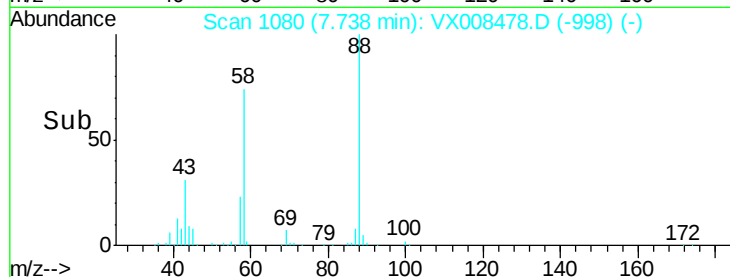
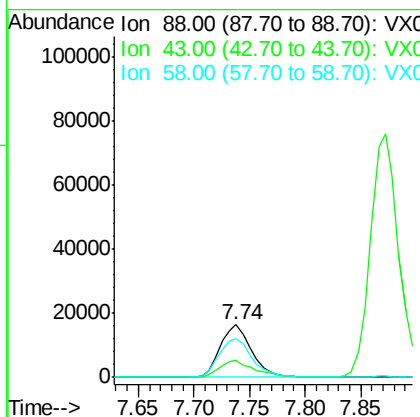
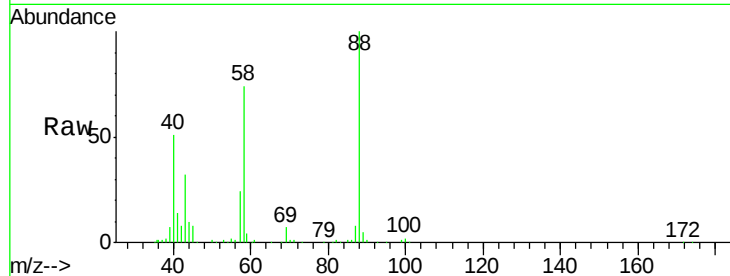
#45
 1,4-Dioxane
 Concen: 392.872 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	23.6	35.4
58	79.2	51.6	77.4#

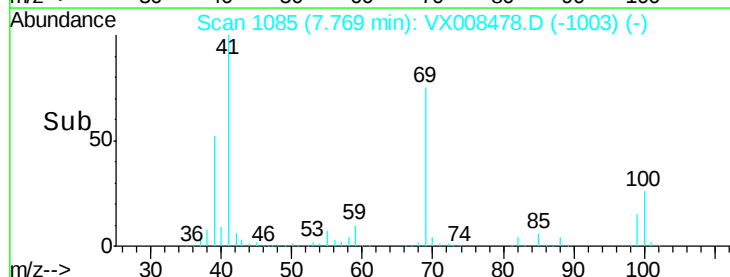
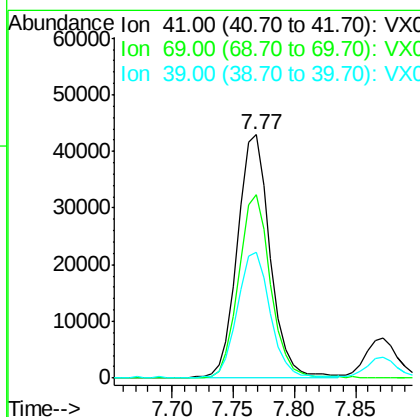
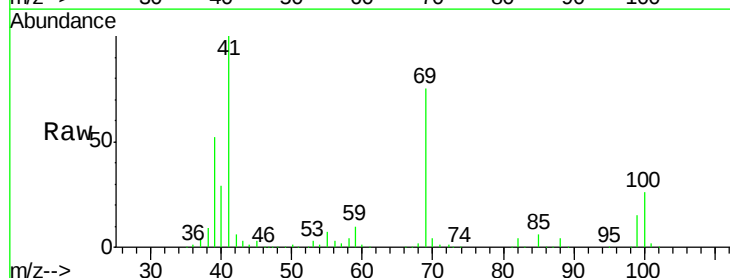
Manual Integrations
 APPROVED

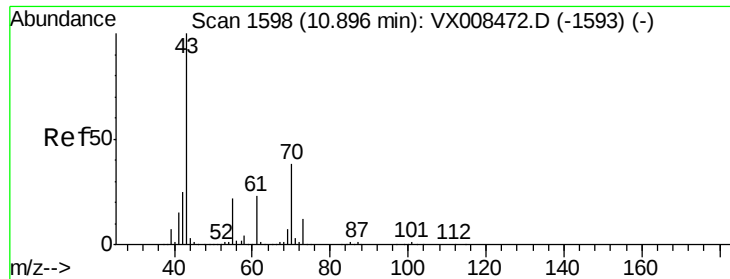
MMDadoda
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#46
 Methyl methacrylate
 Concen: 18.967 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.4	44.2	132.6
39	51.8	29.9	89.8





#47

n-amvl Acetate

Concen: 18.785 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 140088

Ion Ratio Lower Upper

43 100

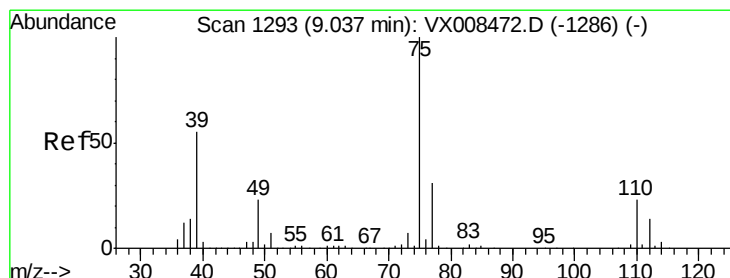
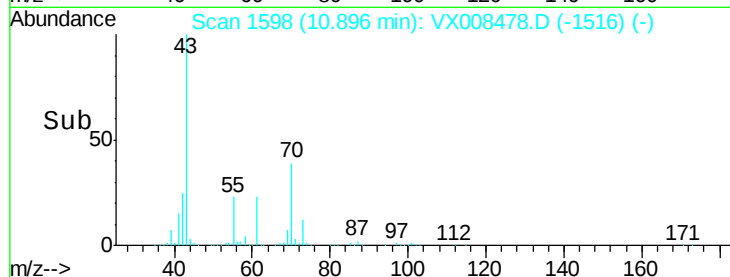
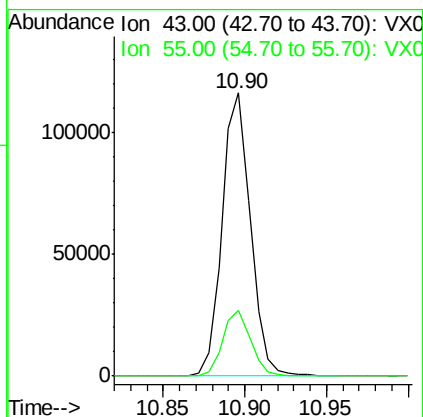
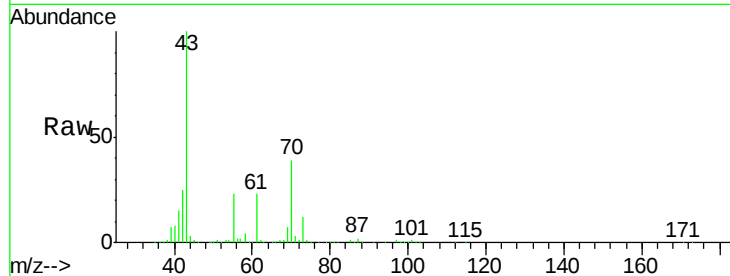
55 23.1 20.8 31.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.596 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX008478.D

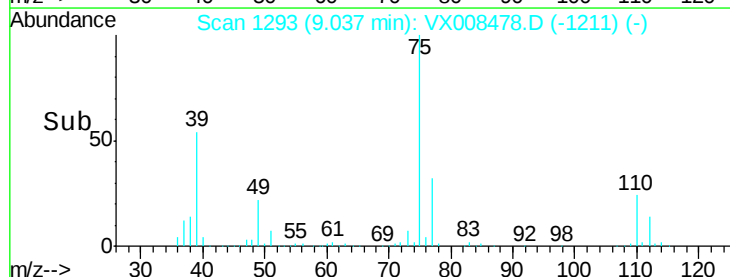
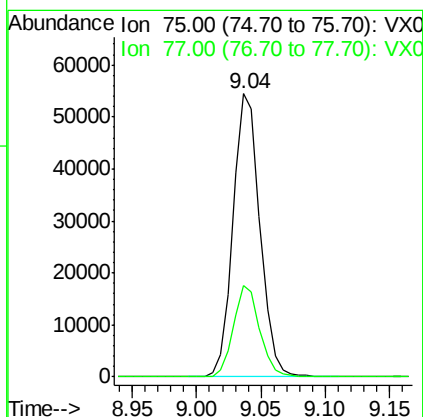
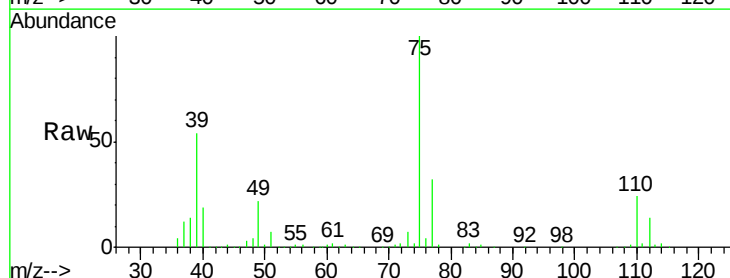
Acq: 27 Mar 2019 13:13

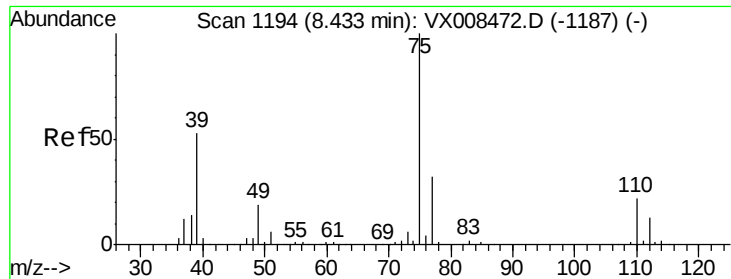
Tgt Ion: 75 Resp: 79575

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7





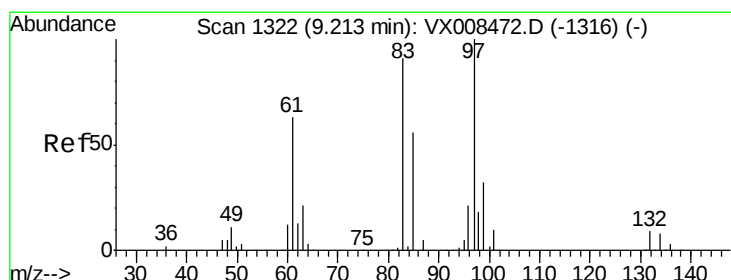
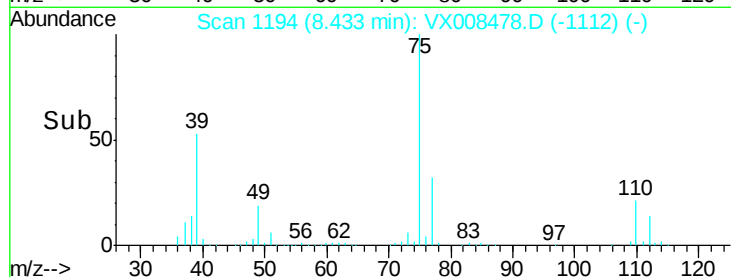
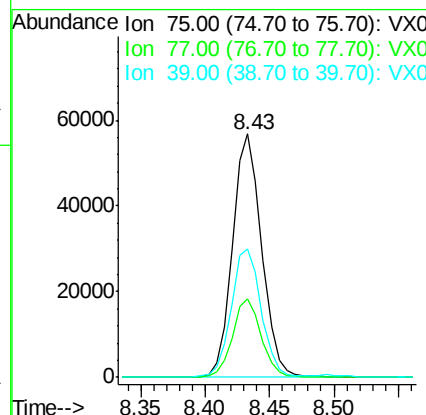
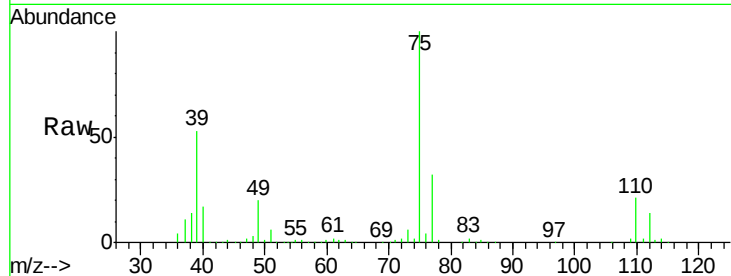
#49
 cis-1,3-Dichloropropene
 Concen: 18.779 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4
39	52.5	38.5	57.7

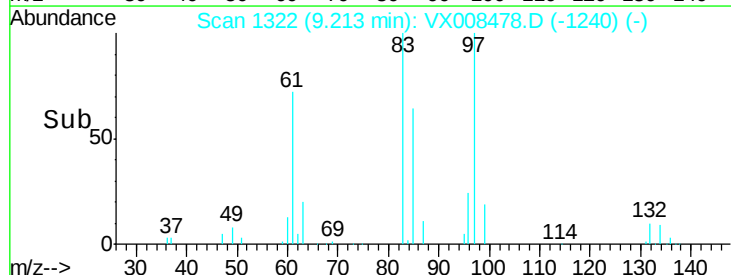
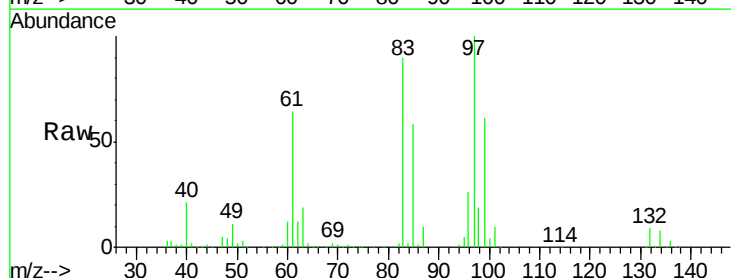
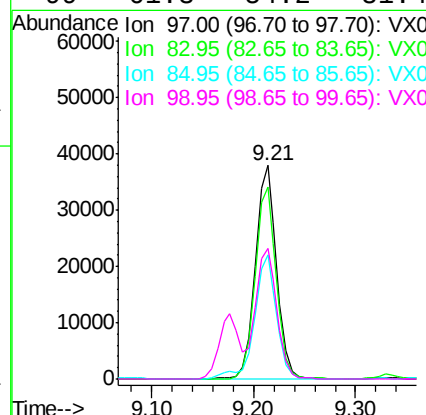
Manual Integrations
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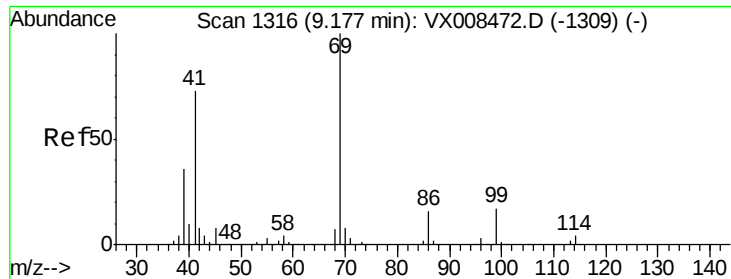
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 19.321 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.0	108.0
85	58.1	45.0	67.6
99	61.3	54.2	81.4





#51

Ethyl methacrylate

Concen: 18.724 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

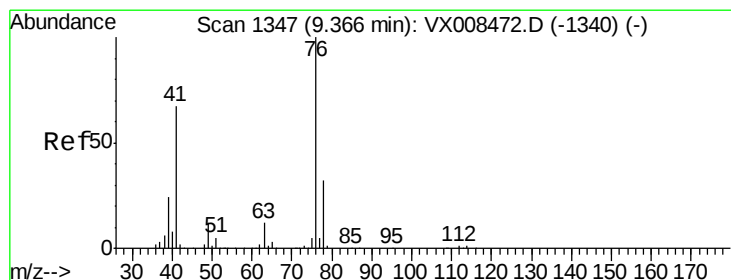
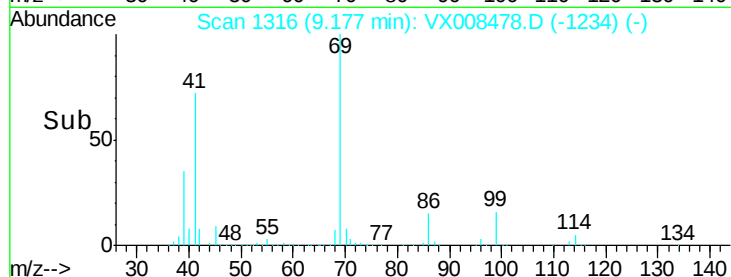
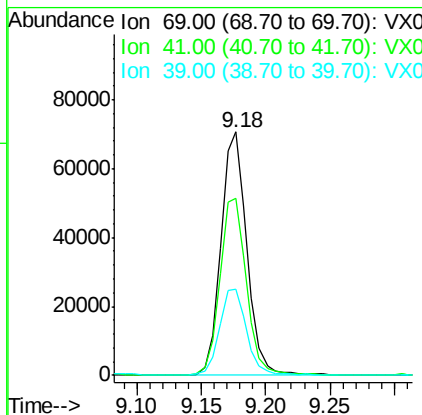
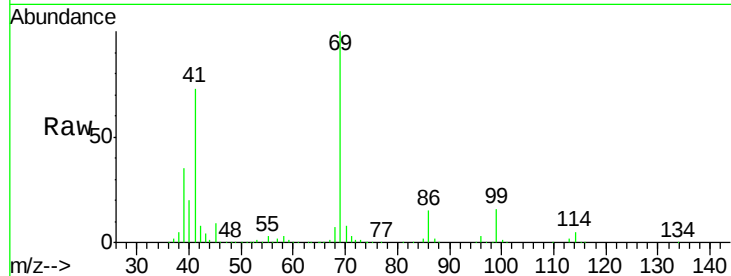
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	99682
Ion	Ratio	Lower	Upper
69	100		
41	72.8	32.1	96.5
39	35.3	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.303 ug/l

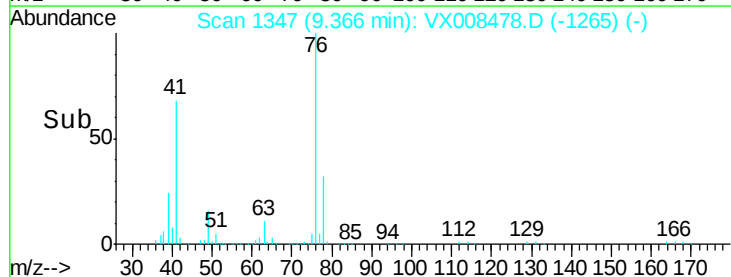
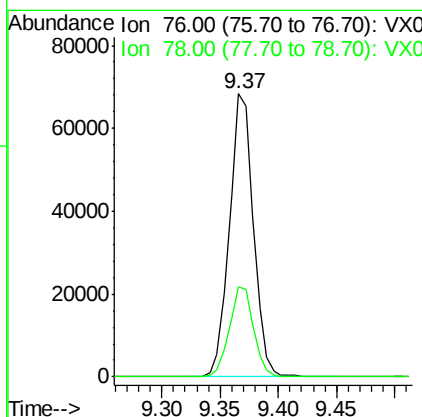
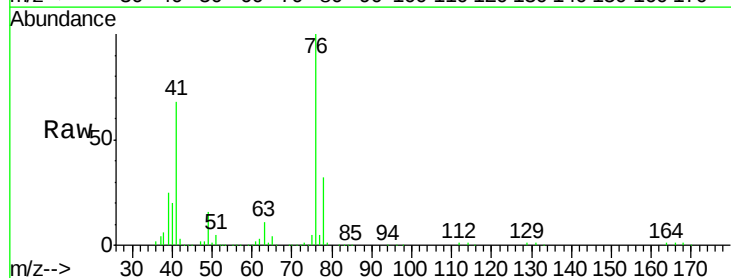
RT: 9.37 min Scan# 1347

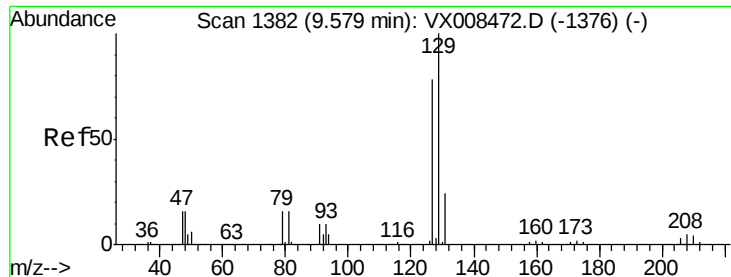
Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Tgt Ion:	76	Resp:	98248
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.2





#53

Dibromochloromethane

Concen: 18.470 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 51998

Ion Ratio Lower Upper

129 100

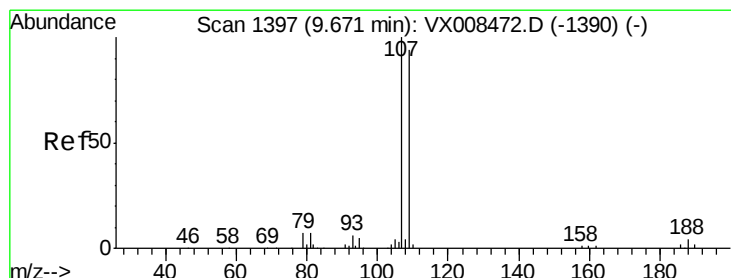
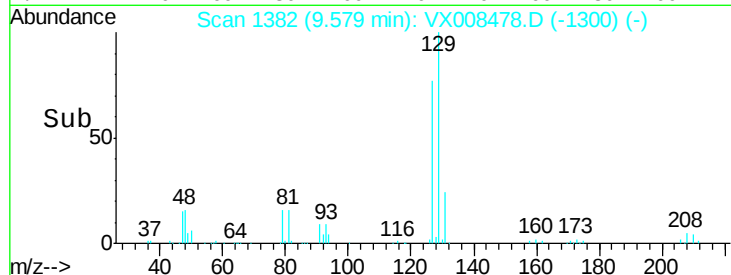
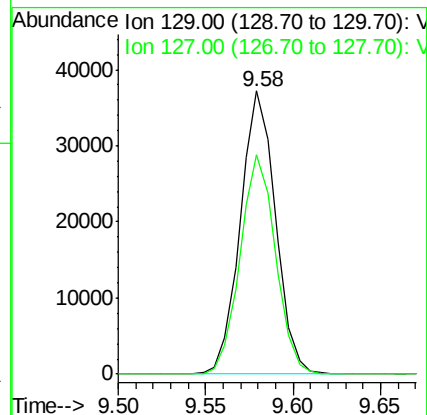
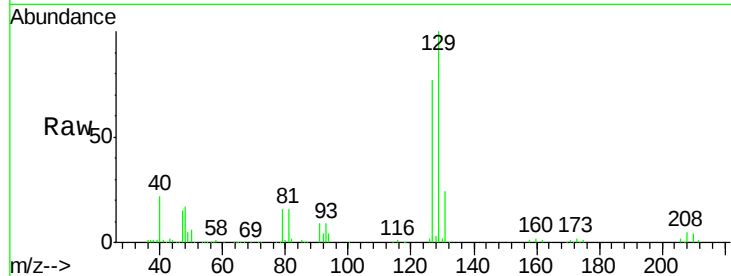
127 77.7 38.4 115.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.192 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008478.D

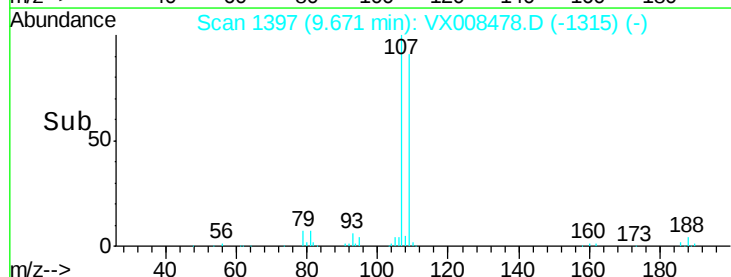
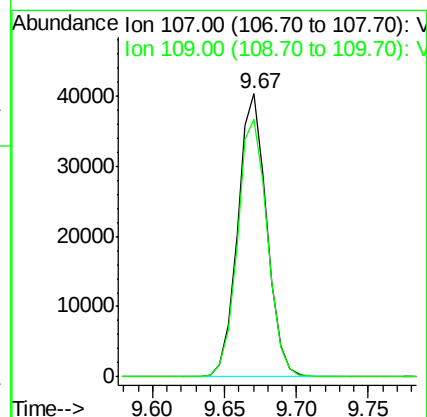
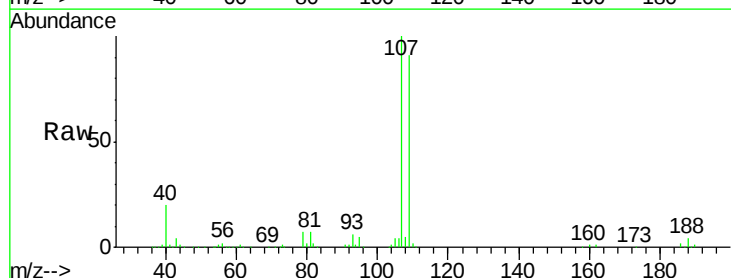
Acq: 27 Mar 2019 13:13

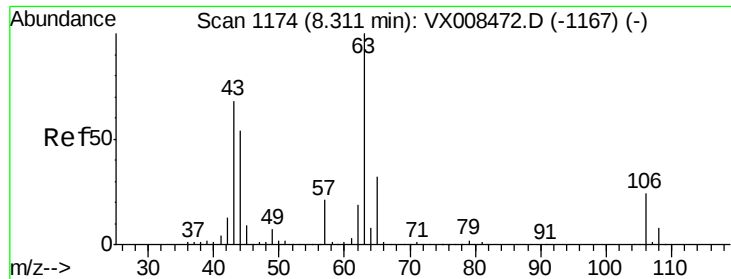
Tgt Ion:107 Resp: 56602

Ion Ratio Lower Upper

107 100

109 93.7 76.6 115.0





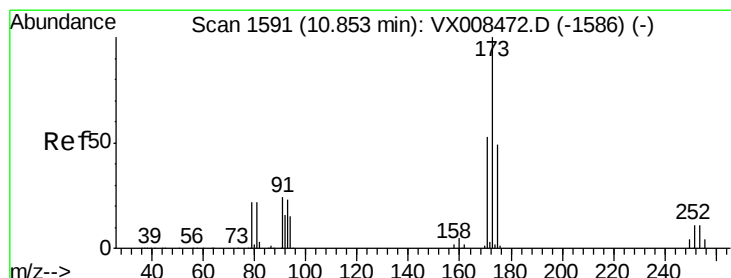
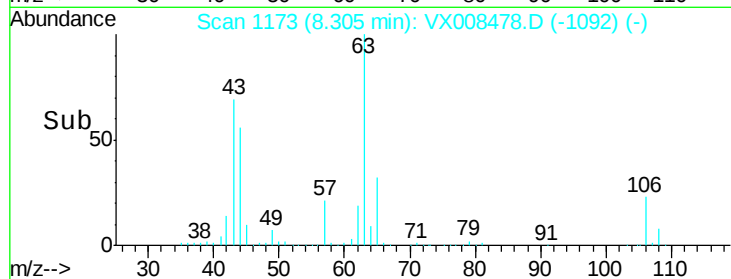
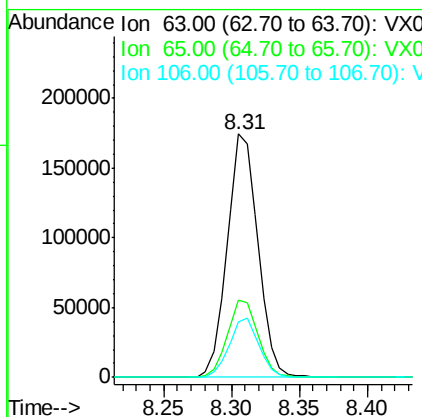
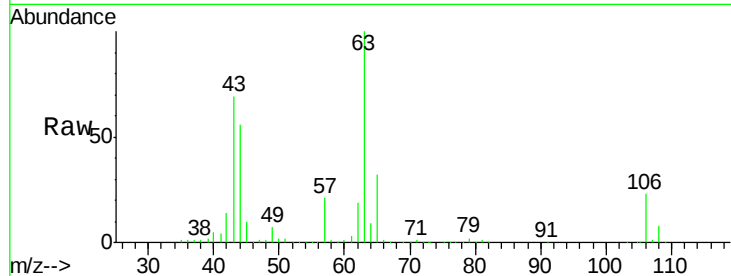
#55
2-Chloroethyl vinyl ether
Concen: 101.843 ug/l
RT: 8.31 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.7	38.5
106	23.9	23.7	35.5

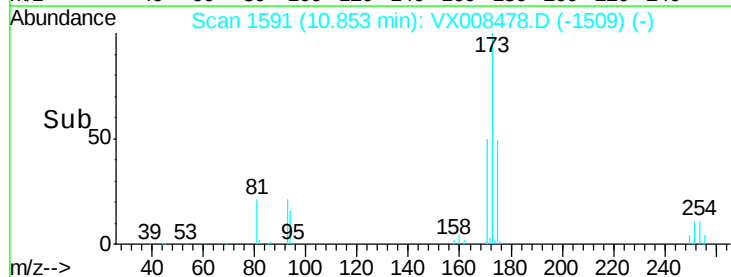
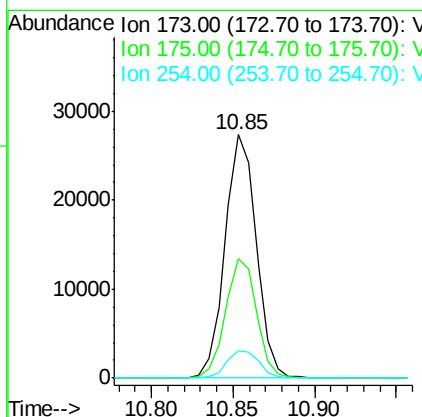
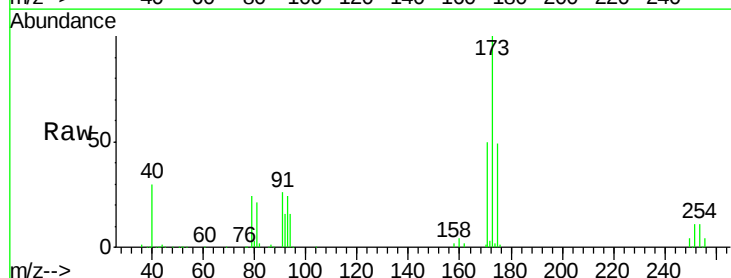
Manual Integrations
APPROVED

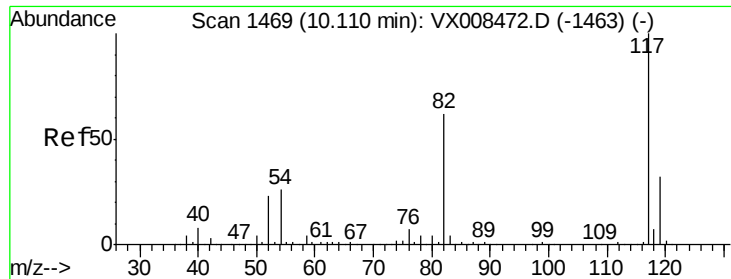
MMDadoda
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#56
Bromoform
Concen: 17.778 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.5	57.7
254	11.6	7.4	11.2#





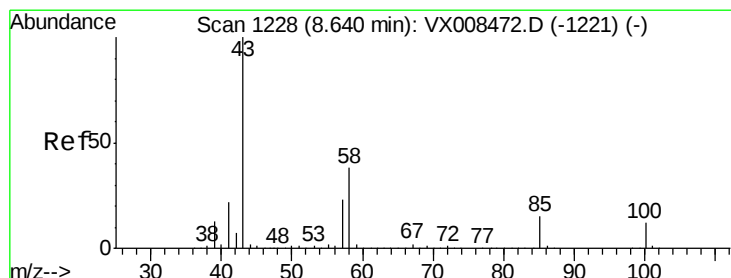
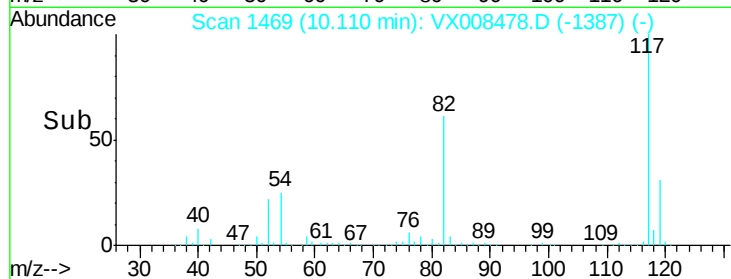
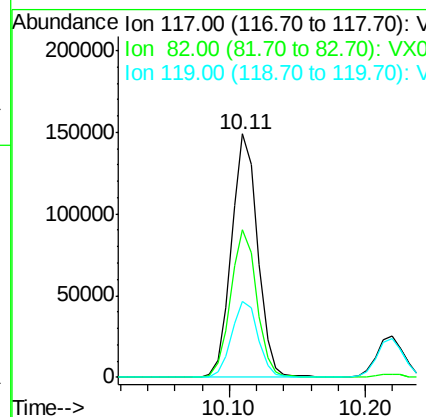
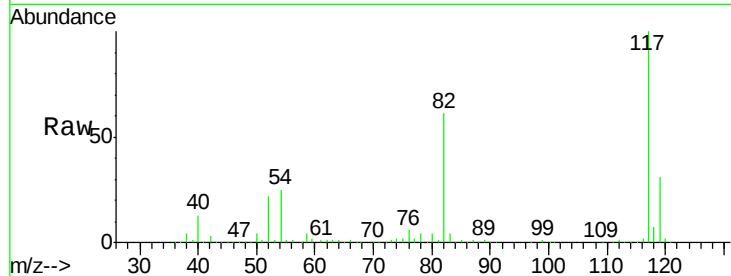
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	40.4	60.6
119	32.0	25.8	38.6

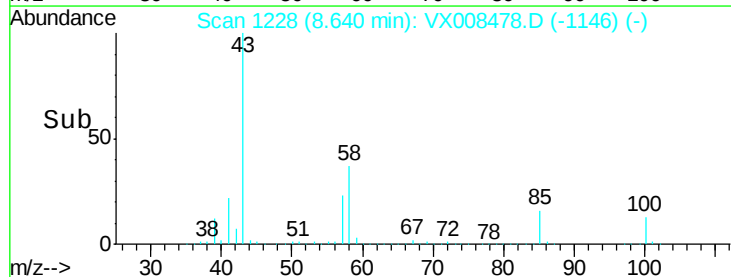
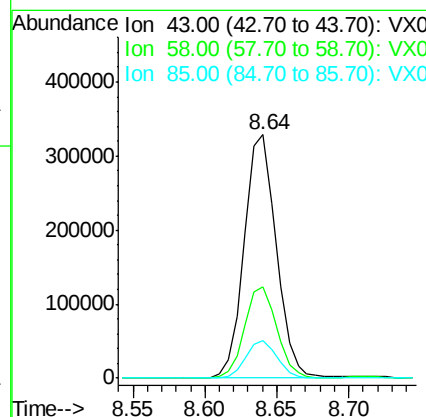
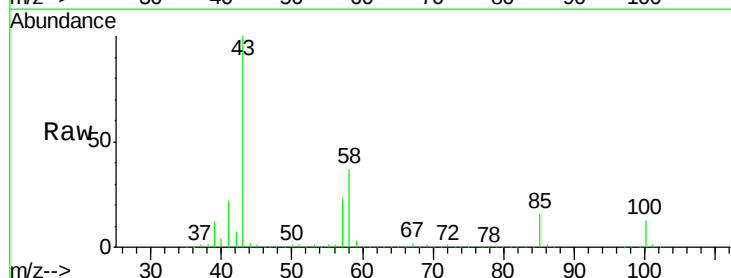
Manual Integrations
APPROVED

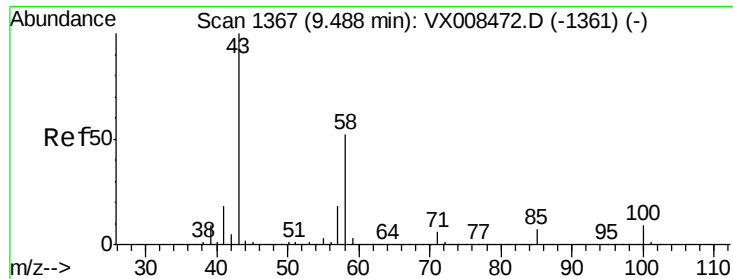
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#58
4-Methyl-2-Pentanone
Concen: 96.932 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	31.4	47.0
85	15.1	15.0	22.6





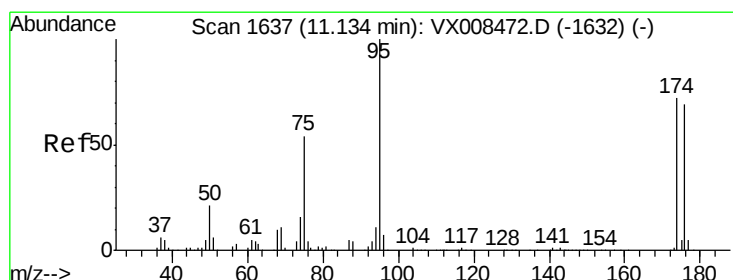
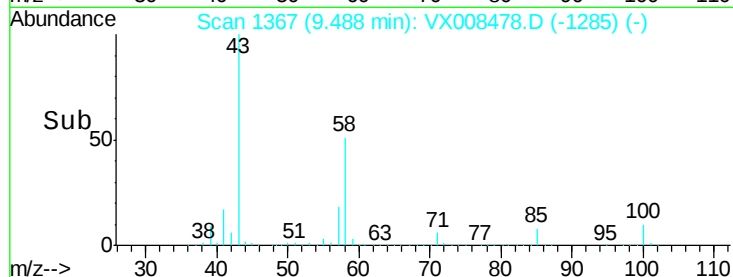
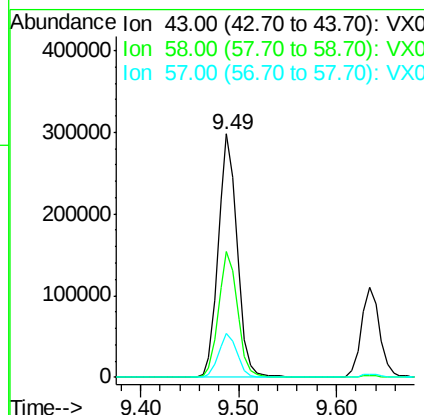
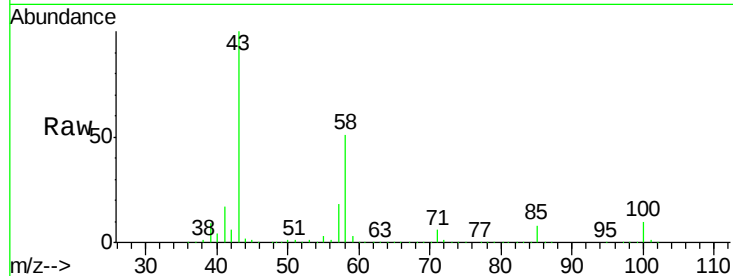
#59
2-Hexanone
Concen: 96.470 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	43.9	65.9
57	17.8	14.9	22.3

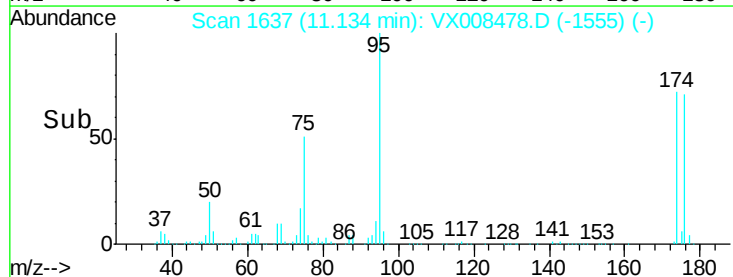
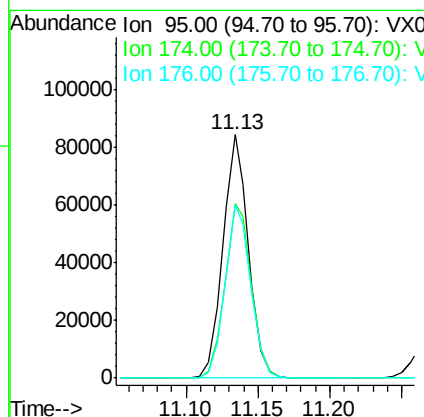
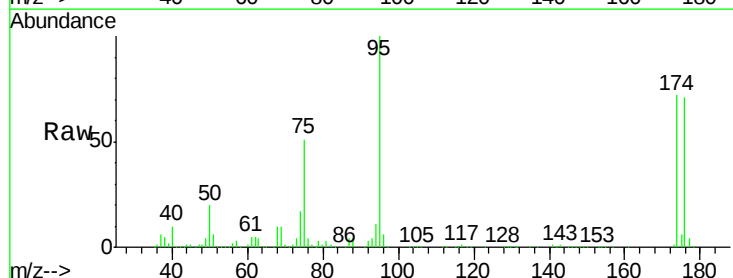
Manual Integrations
APPROVED

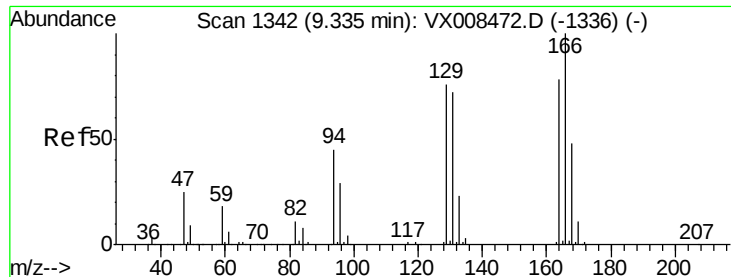
MMDadoda
3/28/2019 9:36:22 AM



#60
4-Bromofluorobenzene
Concen: 30.267 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	74.9	112.3#
176	71.7	70.7	106.1





#61

Tetrachloroethene

Concen: 20.256 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 44028

Ion Ratio Lower Upper

164 100

166 129.7 103.9 155.9

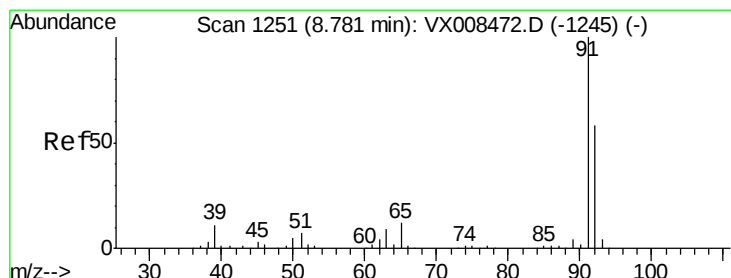
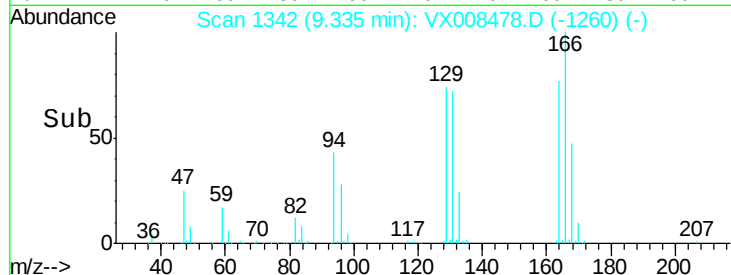
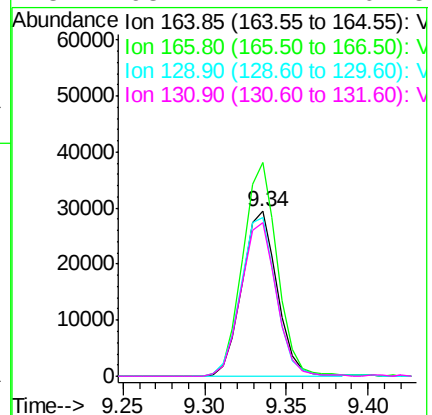
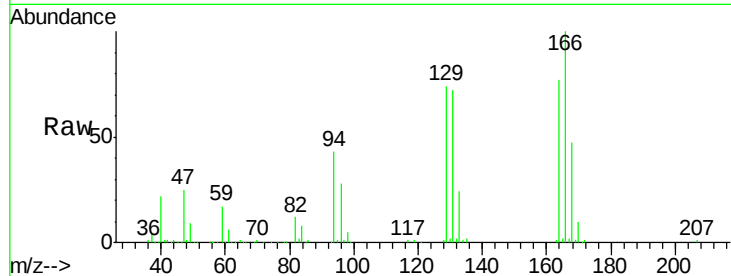
129 96.4 74.7 112.1

131 93.2 71.7 107.5

Manual Integrations
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#62

Toluene

Concen: 19.871 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008478.D

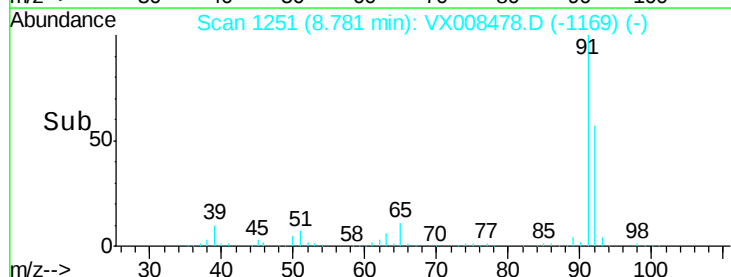
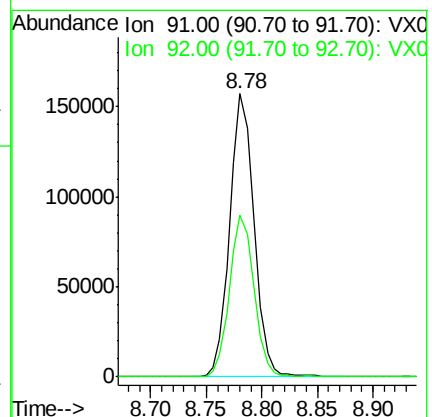
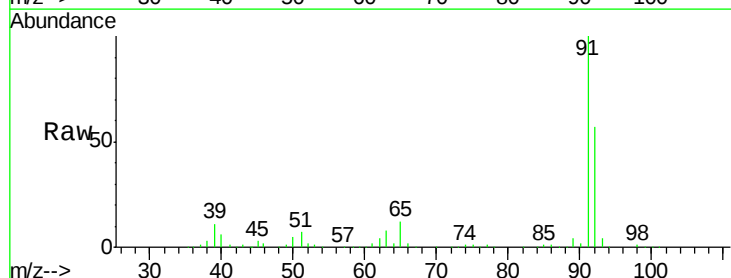
Acq: 27 Mar 2019 13:13

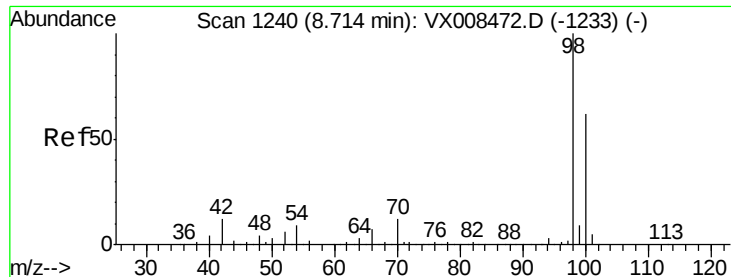
Tgt Ion: 91 Resp: 239068

Ion Ratio Lower Upper

91 100

92 57.3 46.4 69.6





#63

Toluene-d8

Concen: 30.156 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 284451

Ion Ratio Lower Upper

98 100

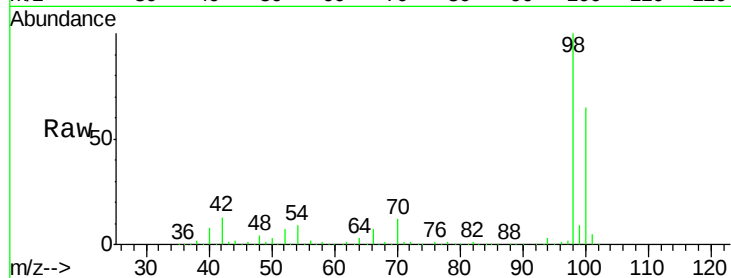
100 64.7 50.9 76.3

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX008478.D (-1158) (-)

Ion 100.00 (99.70 to 100.70): VX008478.D (-1158) (-)

8.71

200000

150000

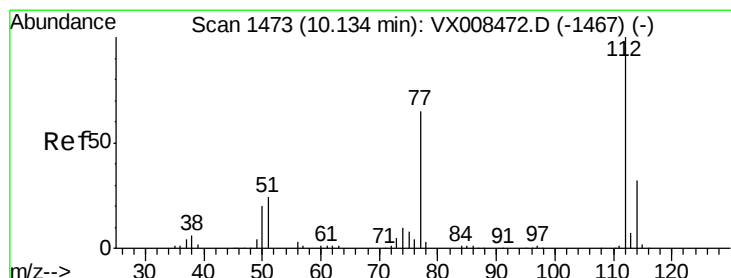
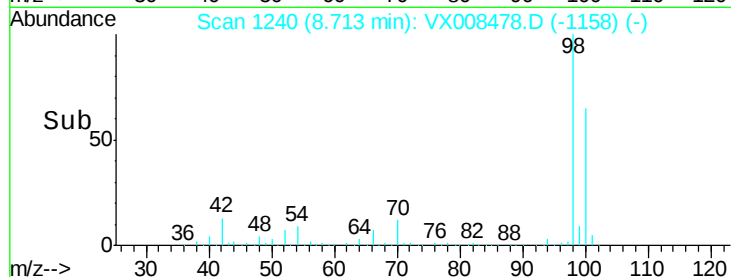
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 19.730 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008478.D

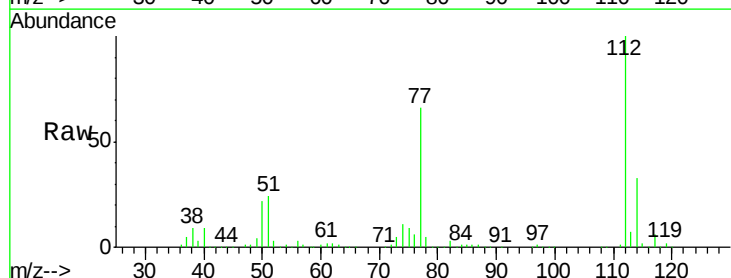
Acq: 27 Mar 2019 13:13

Tgt Ion: 112 Resp: 139096

Ion Ratio Lower Upper

112 100

114 32.7 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VX008478.D (-1391) (-)

Ion 114.00 (113.70 to 114.70): VX008478.D (-1391) (-)

10.13

120000

100000

80000

60000

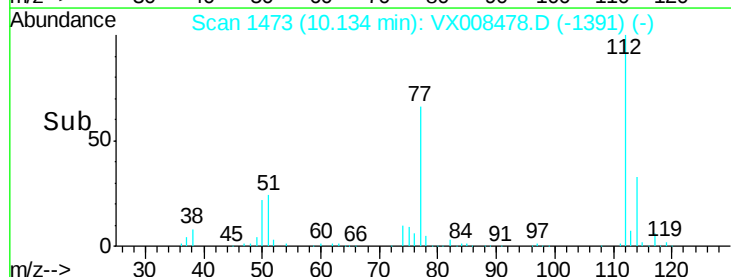
40000

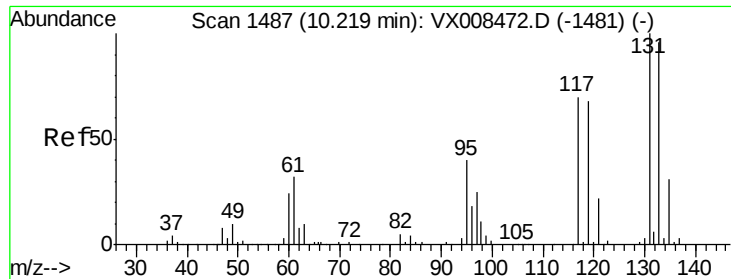
20000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.296 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

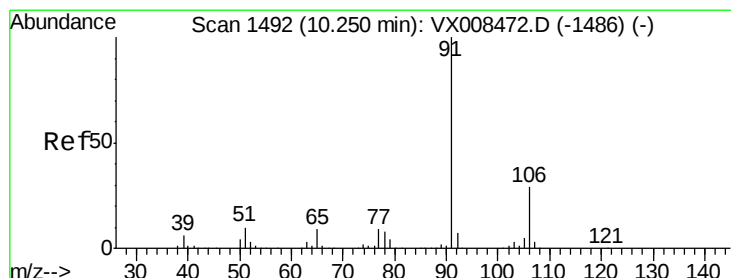
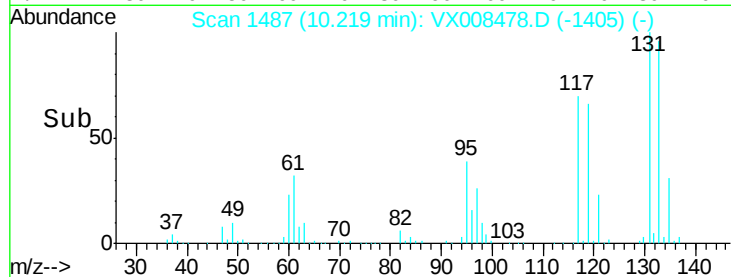
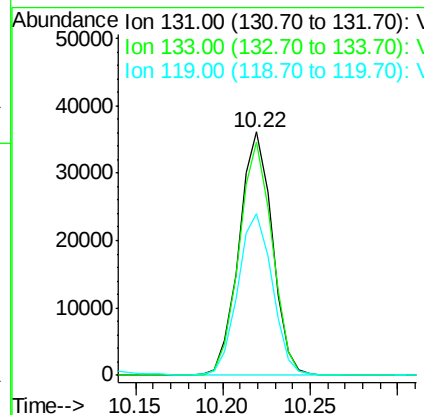
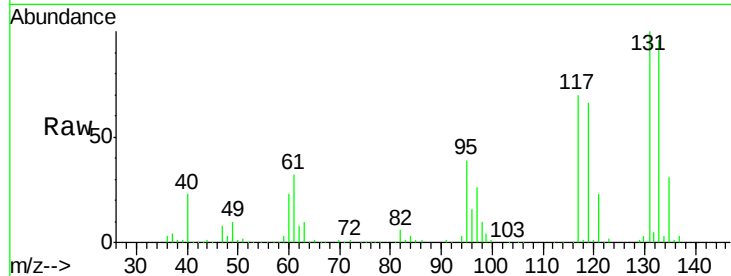
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	0.0	191.6
119	68.2	0.0	127.4

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#66

Ethyl Benzene

Concen: 19.720 ug/l

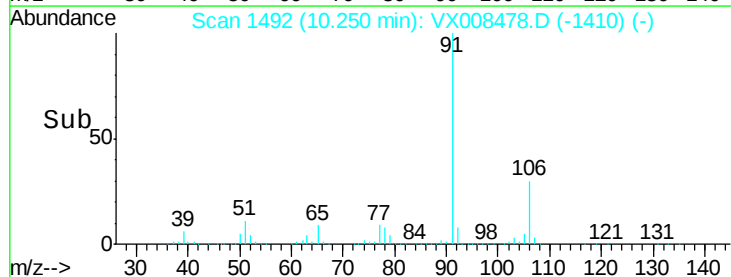
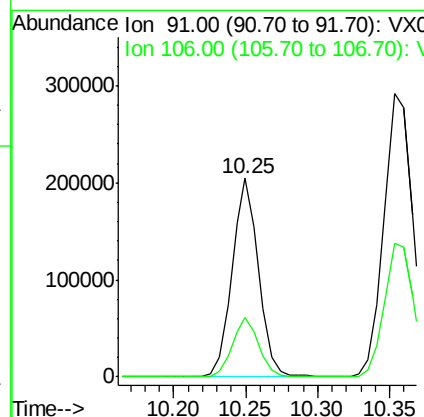
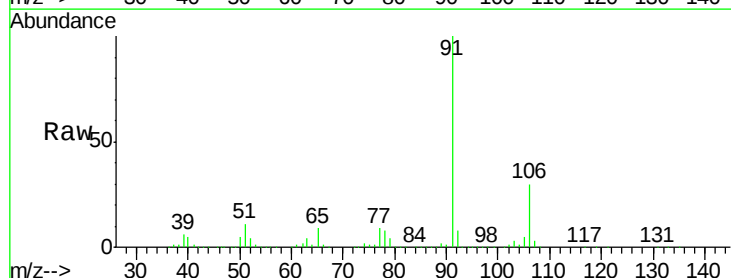
RT: 10.25 min Scan# 1492

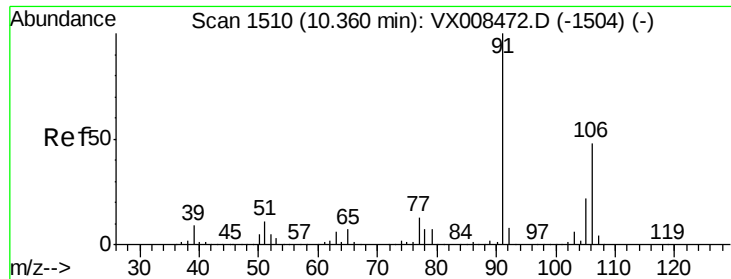
Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	26.0	39.0





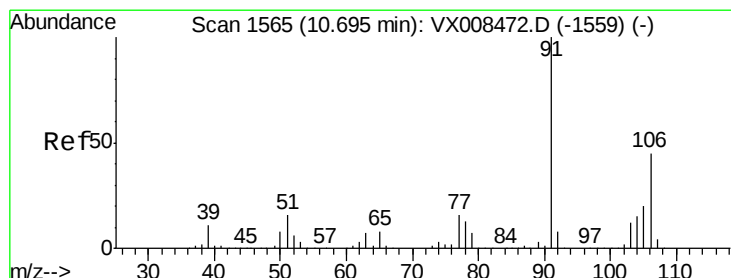
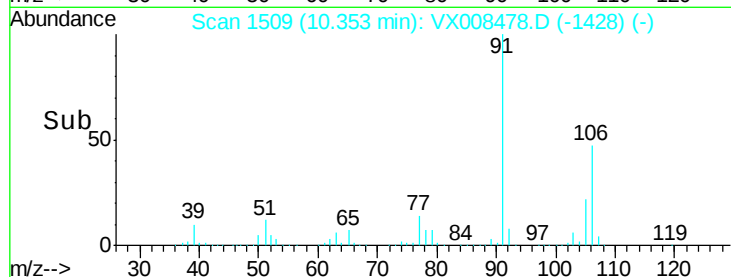
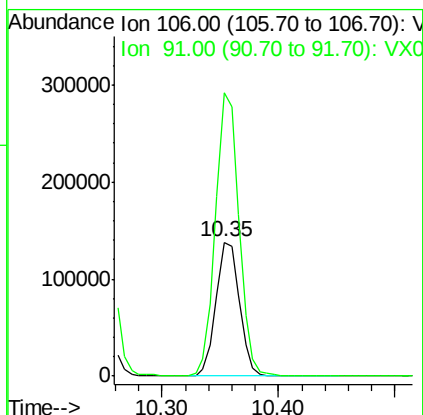
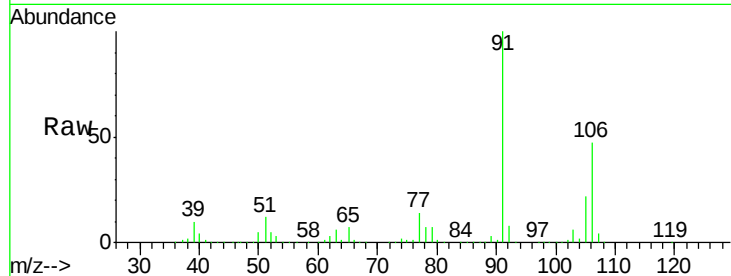
#67
m/p-Xvlenes
Concen: 39.597 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 192871
Ion Ratio Lower Upper
106 100
91 210.5 157.0 235.4

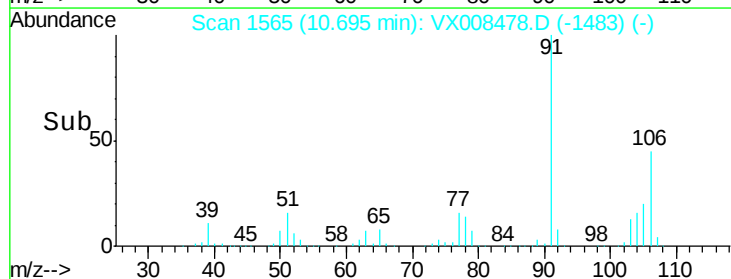
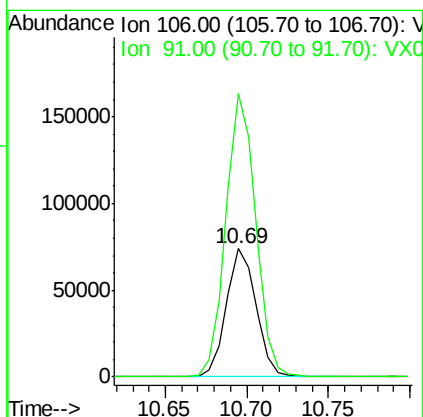
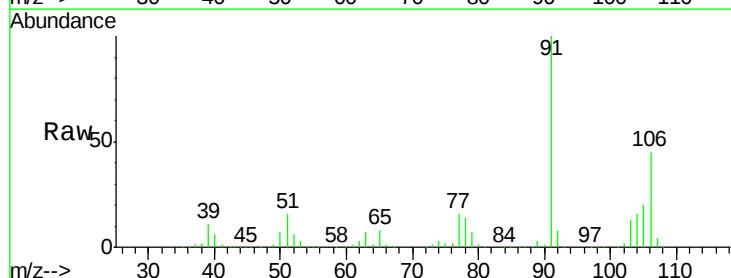
Manual Integrations
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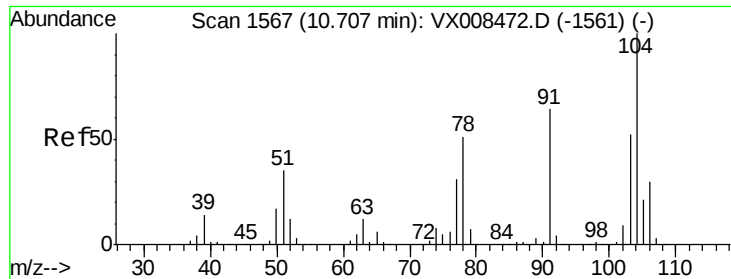
MMDadoda
3/28/2019 9:36:22 AM



#68
o-Xylene
Concen: 19.695 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion:106 Resp: 93875
Ion Ratio Lower Upper
106 100
91 221.4 104.4 313.2





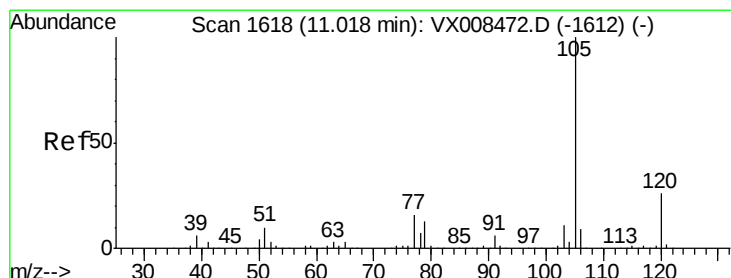
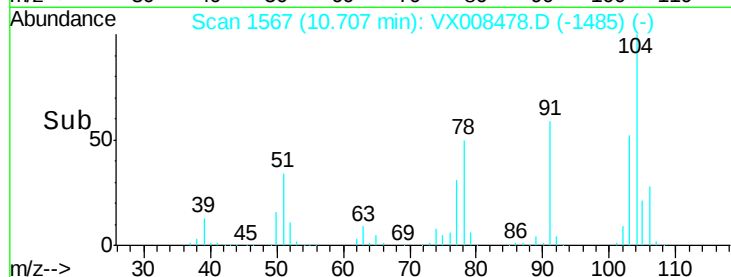
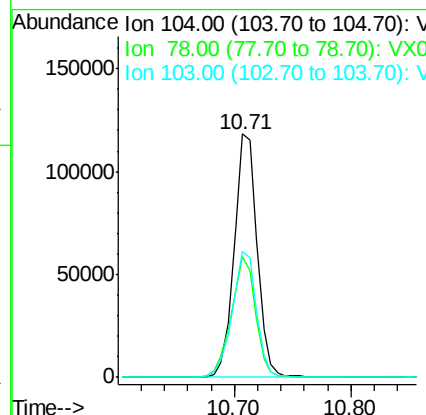
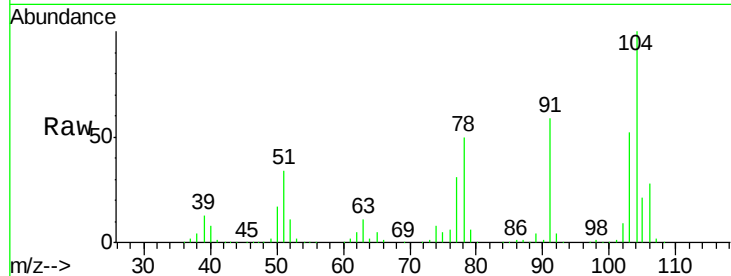
#69
Stvrene
Concen: 19.559 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	38.2	57.2
103	54.9	45.0	67.4

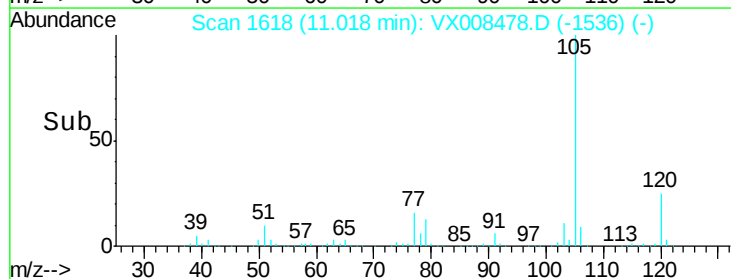
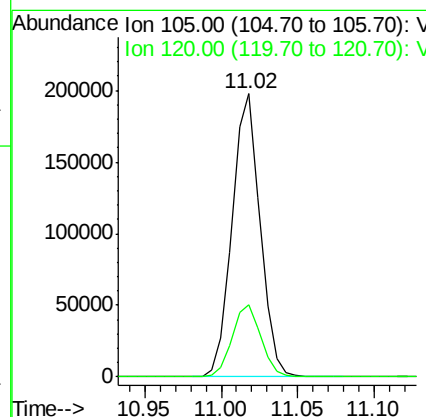
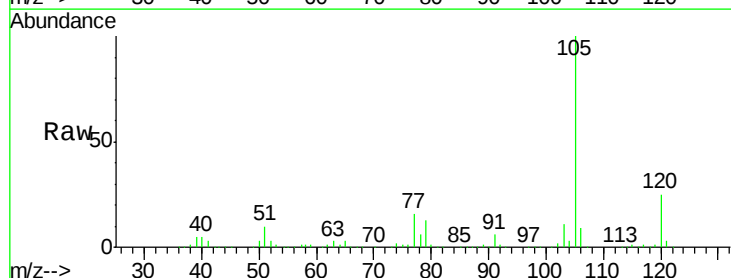
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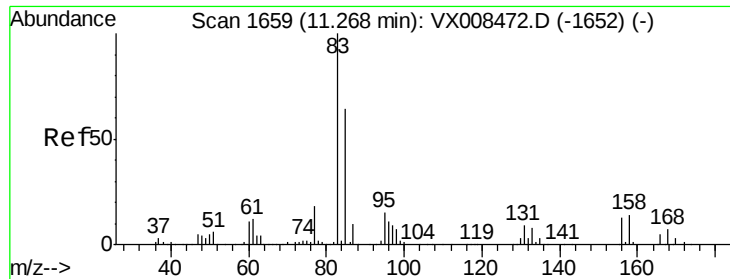
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3/28/2019 9:36:22 AM



#70
Isopropylbenzene
Concen: 19.918 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 19.393 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

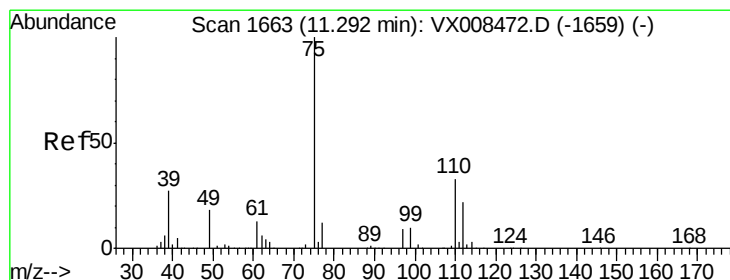
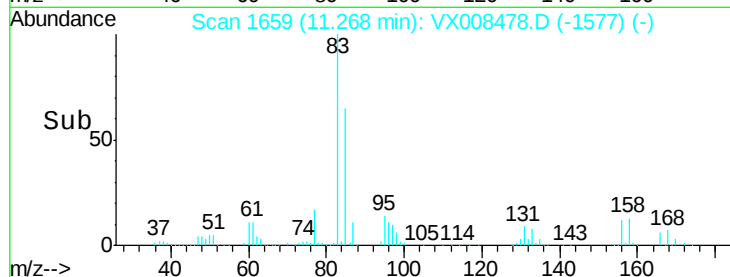
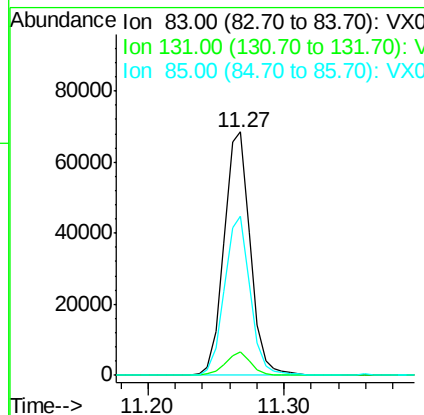
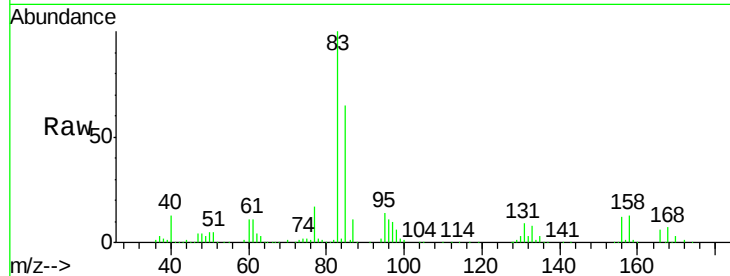
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	91090
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.4	16.2
85	64.3	32.8	98.4

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 19.752 ug/l m

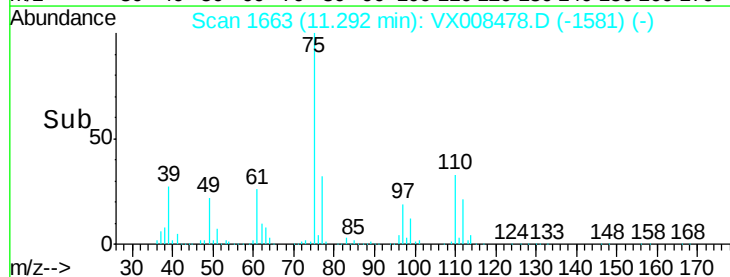
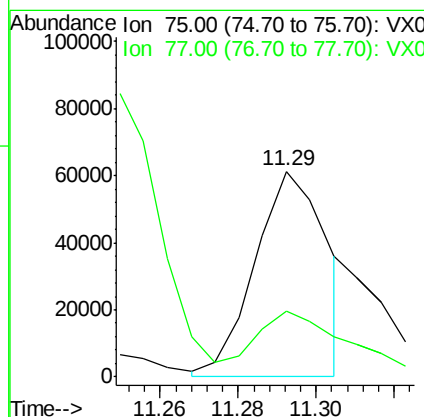
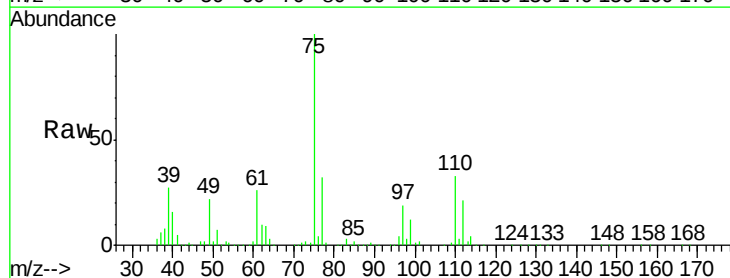
RT: 11.29 min Scan# 1663

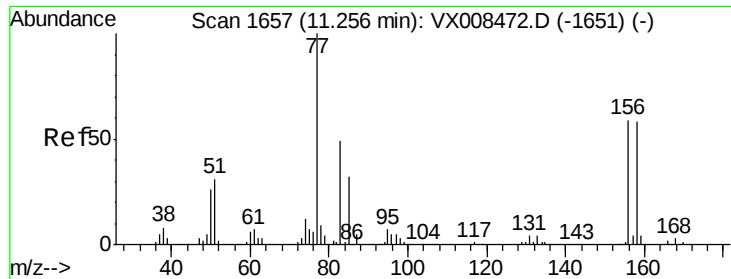
Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Tgt Ion:	75	Resp:	78421
Ion Ratio	Lower	Upper	
75	100		
77	41.7	0.0	76.4





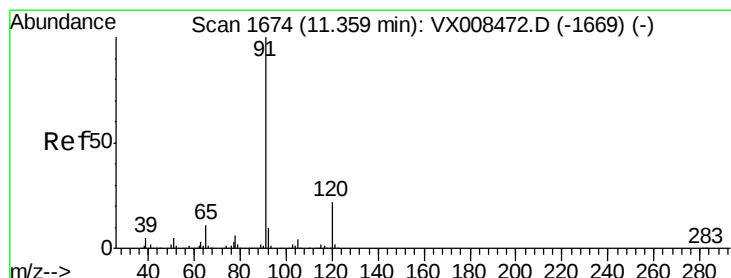
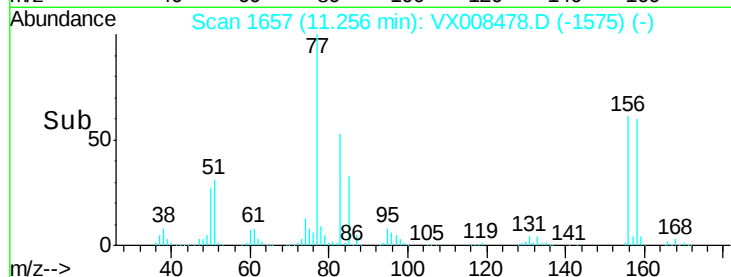
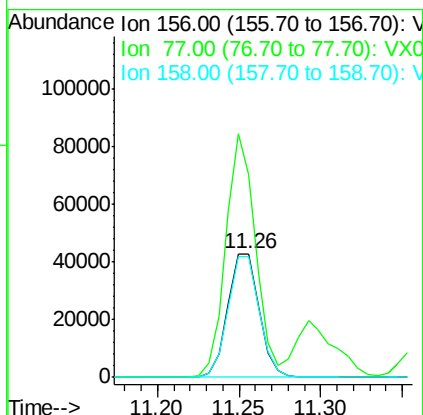
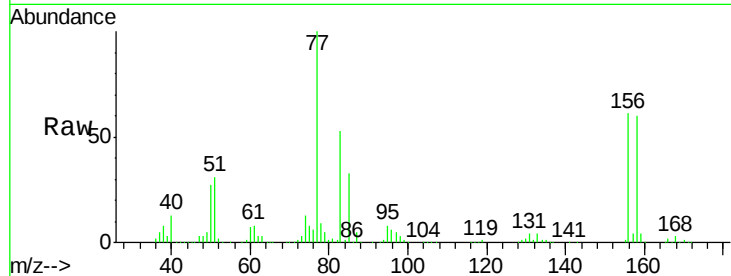
#73
Bromobenzene
Concen: 19.233 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.4	0.0	271.4
158	97.9	0.0	194.0

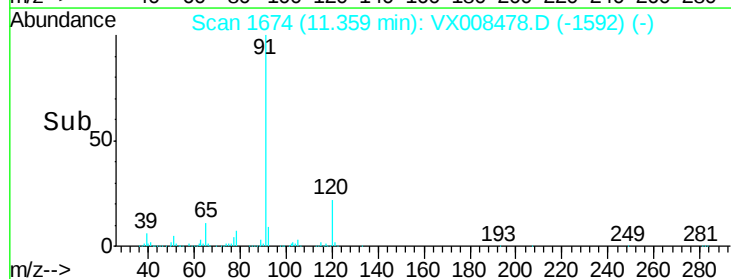
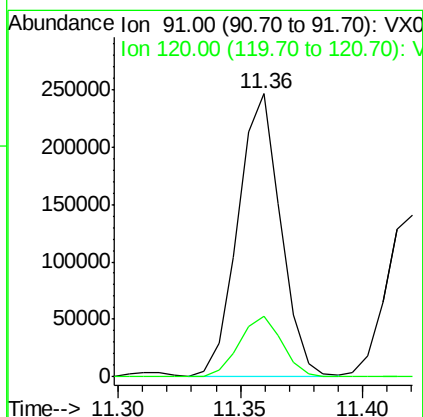
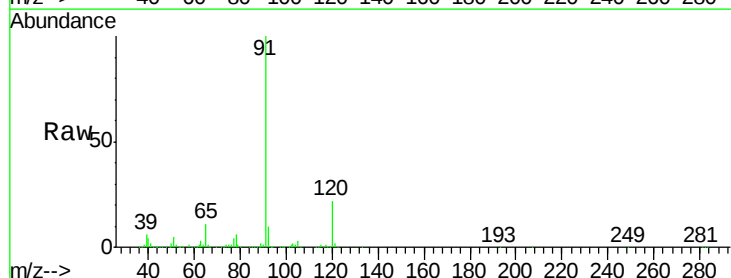
Manual Integrations
APPROVED

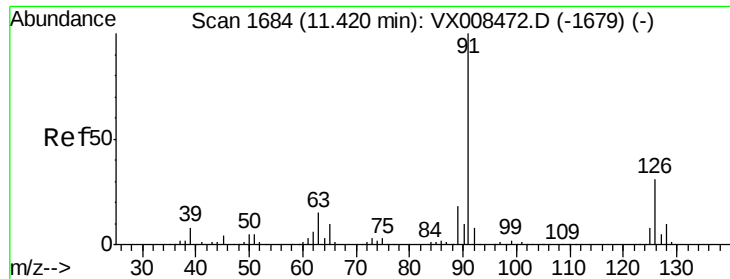
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#74
n-propylbenzene
Concen: 19.953 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.779 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 176261

Ion Ratio Lower Upper

91 100

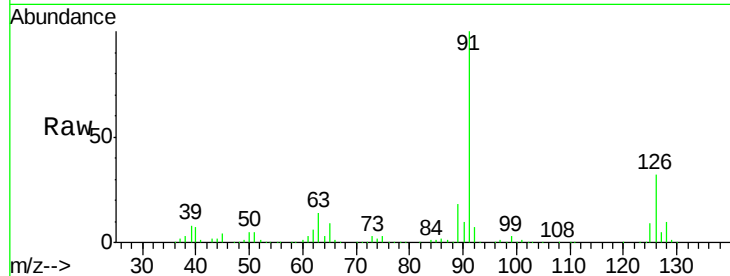
126 31.4 0.0 75.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008478.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008478.D (-1679) (-)

250000

200000

150000

100000

50000

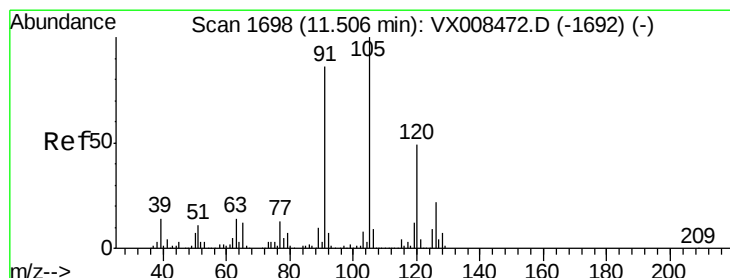
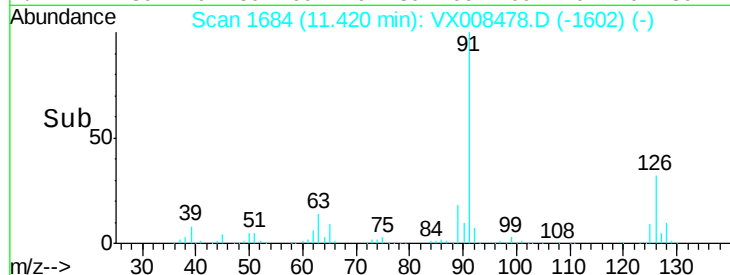
0

11.40

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.987 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008478.D

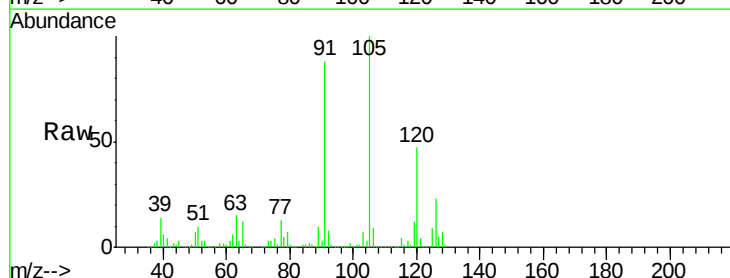
Acq: 27 Mar 2019 13:13

Tgt Ion: 105 Resp: 214848

Ion Ratio Lower Upper

105 100

120 46.9 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008478.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008478.D (-1692) (-)

200000

150000

100000

50000

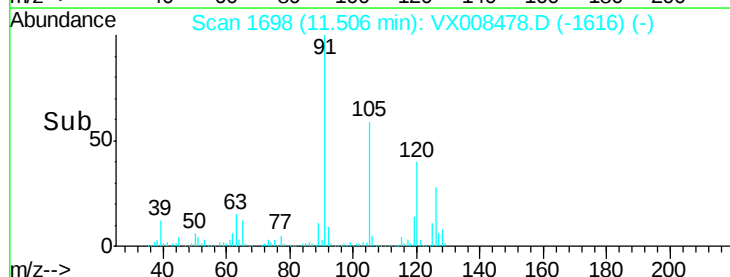
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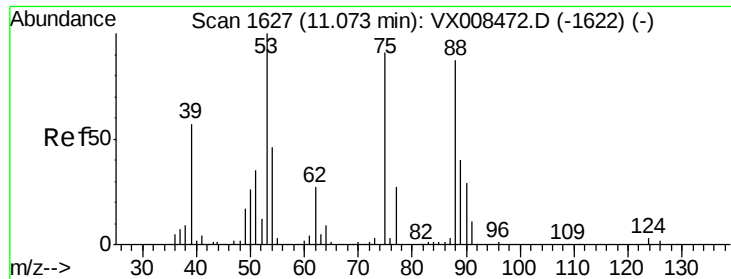
11.50

11.51

11.60

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.694 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 75 Resp: 26947

Ion Ratio Lower Upper

75 100

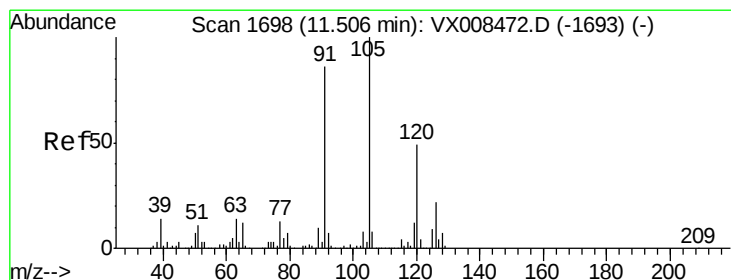
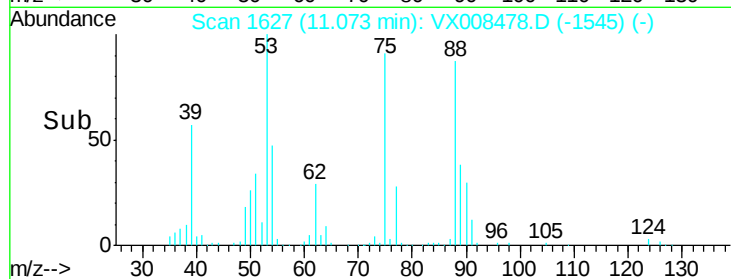
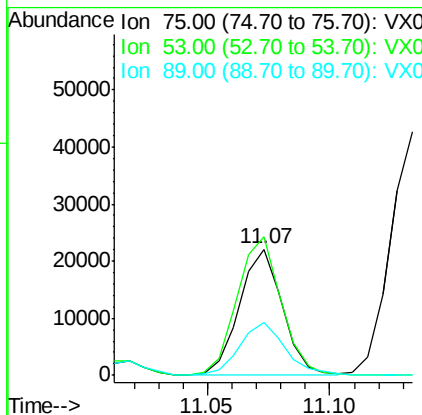
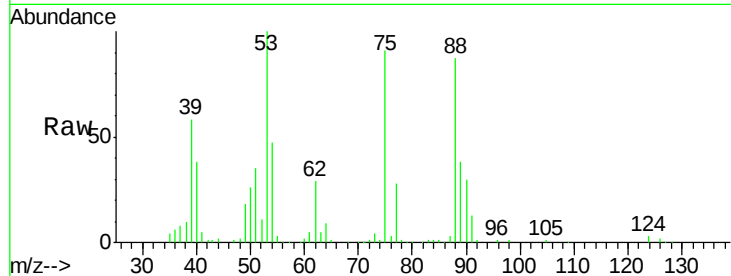
53 109.8 55.5 166.7

89 41.6 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.600 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008478.D

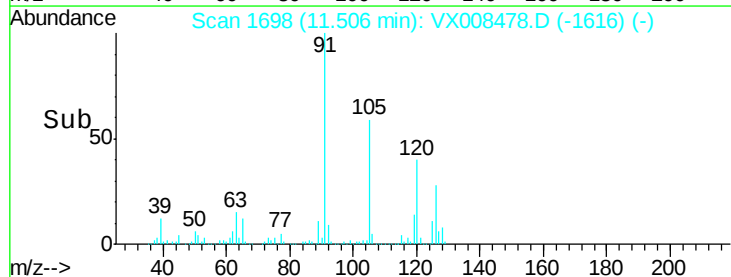
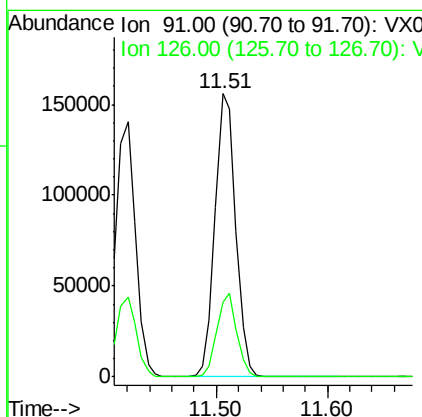
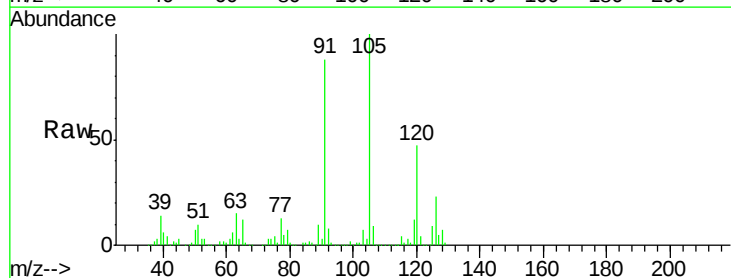
Acq: 27 Mar 2019 13:13

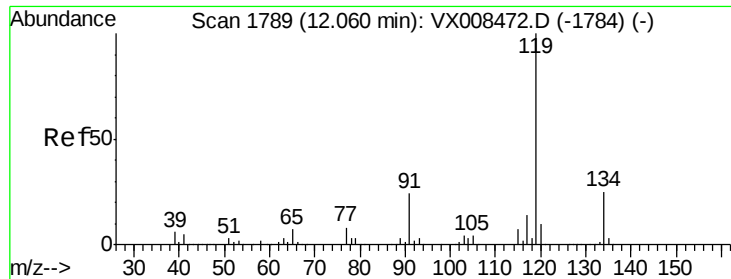
Tgt Ion: 91 Resp: 201024

Ion Ratio Lower Upper

91 100

126 28.1 0.0 66.2





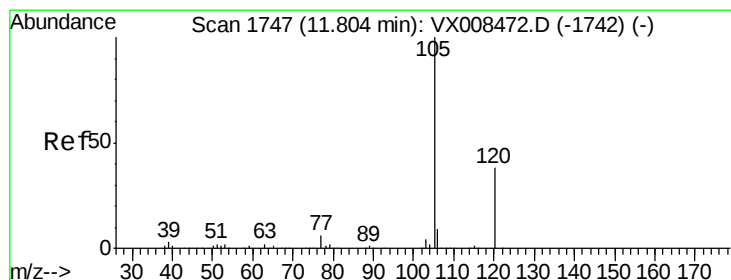
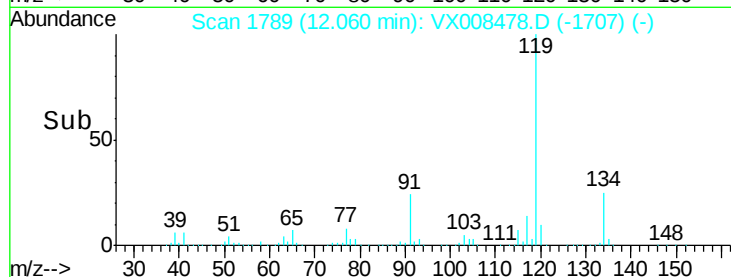
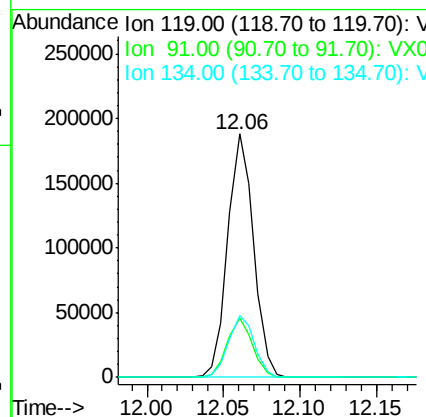
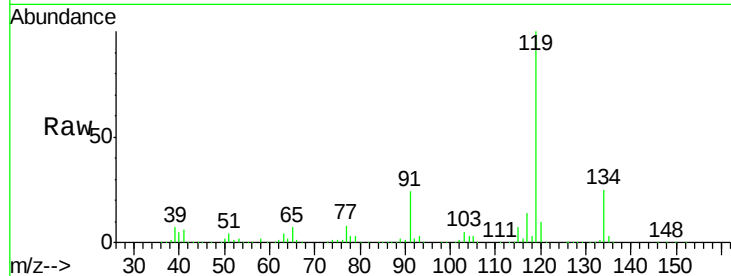
#79
tert-butylbenzene
Concen: 20.024 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219969		
91	23.9	0.0	45.0	
134	25.6	0.0	55.4	

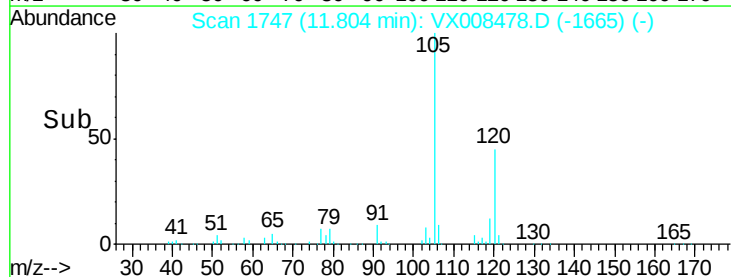
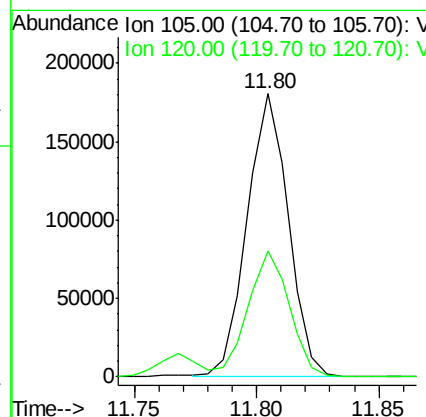
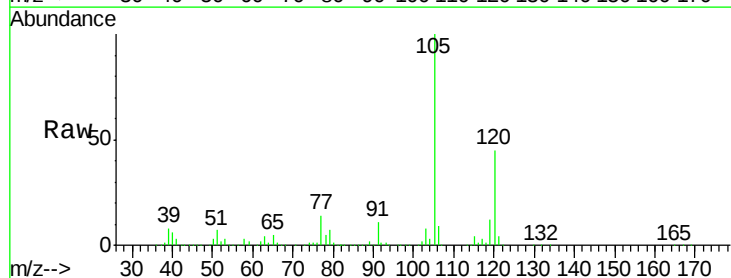
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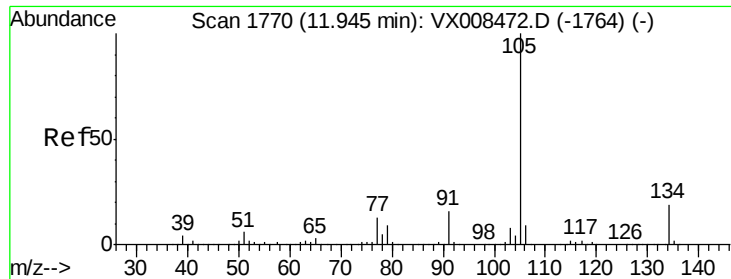
MMDadoda
3/28/2019 9:36:22 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.682 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210952		
120	45.1	0.0	94.0	





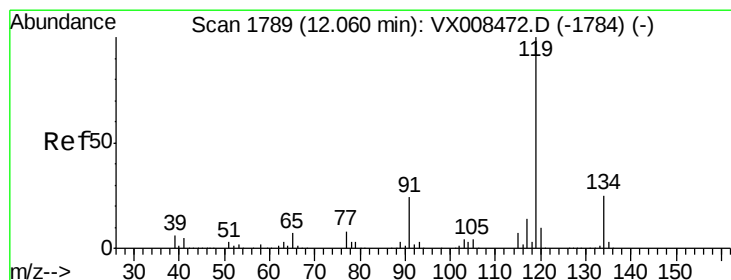
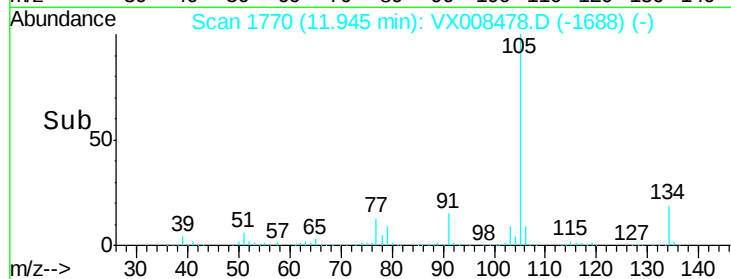
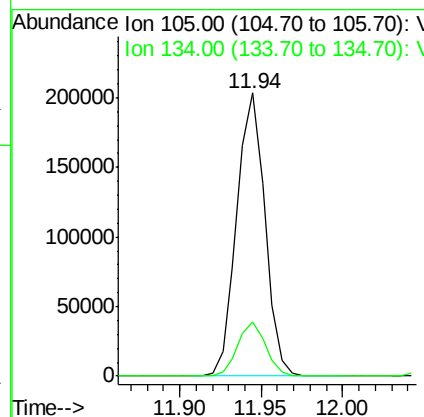
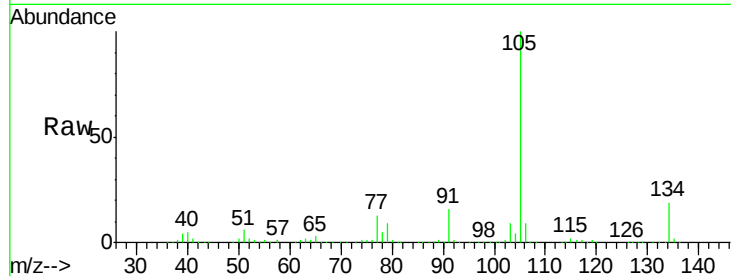
#81
 sec-Butylbenzene
 Concen: 19.940 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	244901		
134	19.0	0.0	41.8	

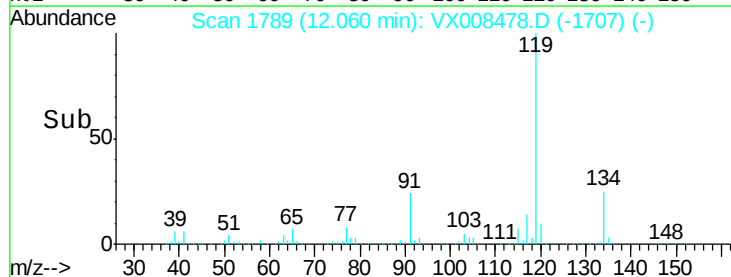
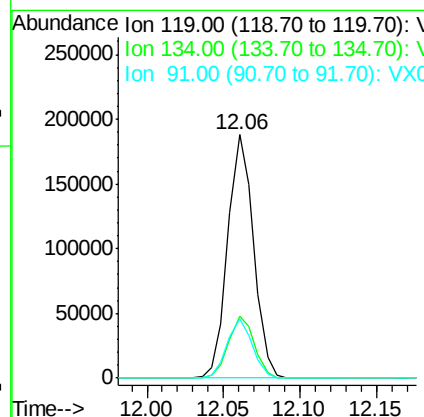
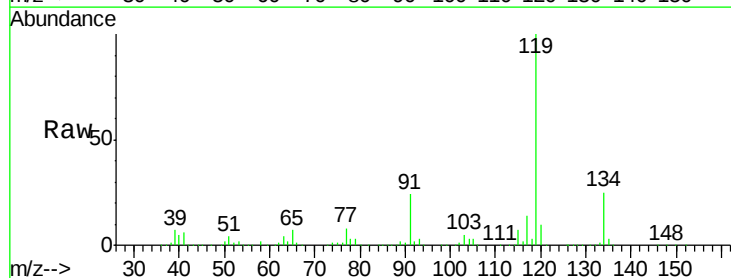
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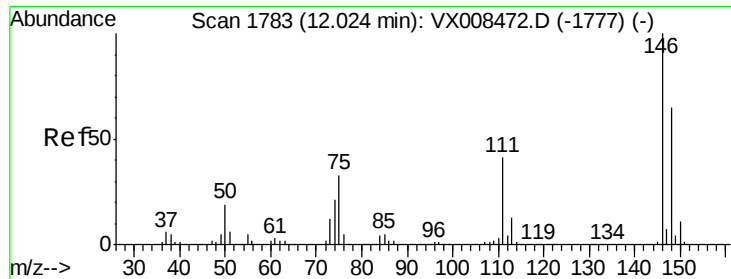
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 20.024 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	219969		
134	25.6	0.0	55.4	
91	23.9	0.0	45.0	





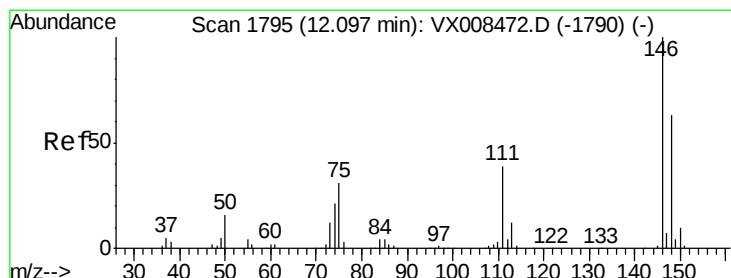
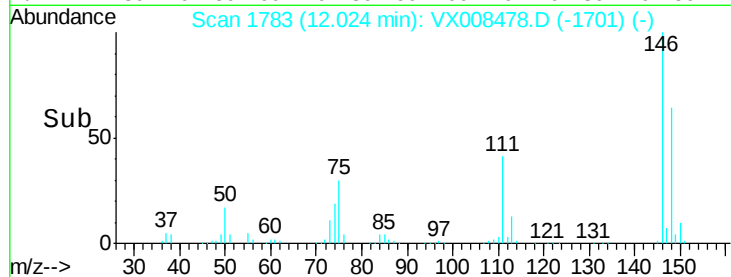
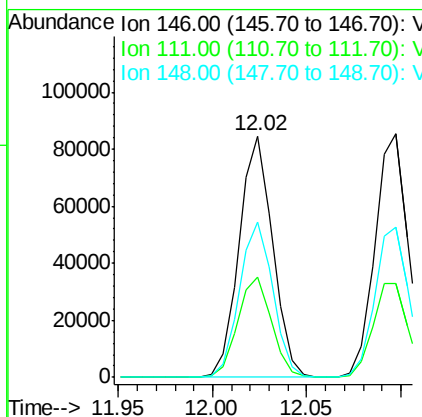
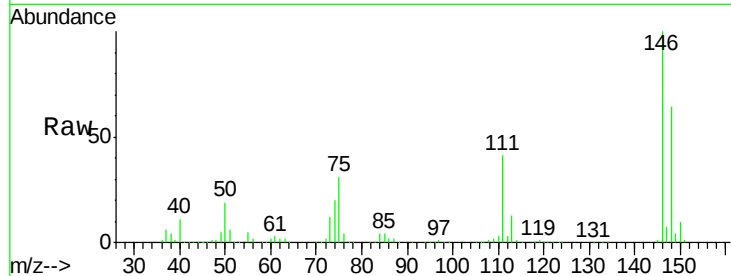
#83
 1,3-Dichlorobenzene
 Concen: 19.677 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	18.8	56.3
148	64.2	30.6	91.8

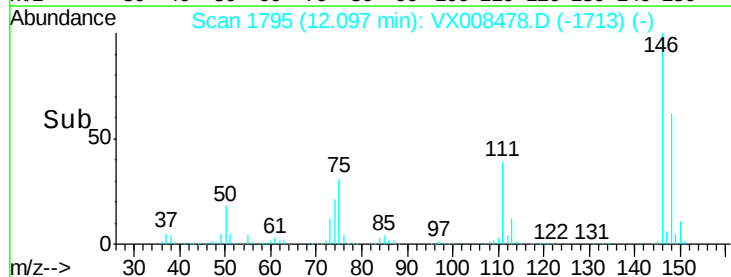
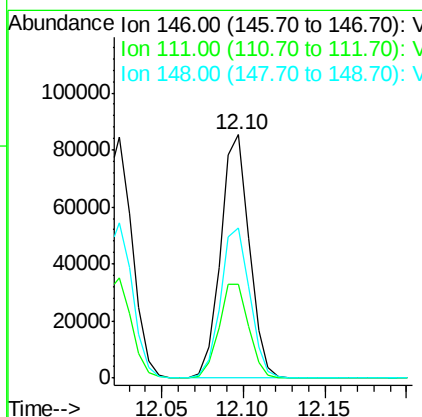
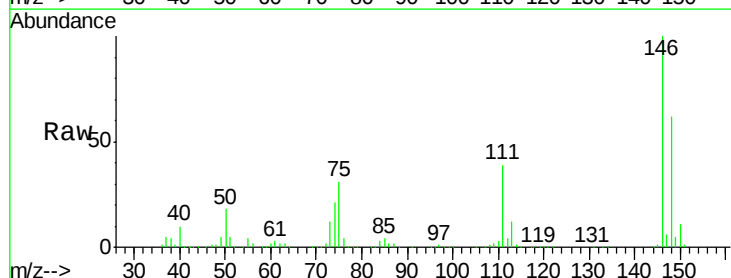
Manual Integrations
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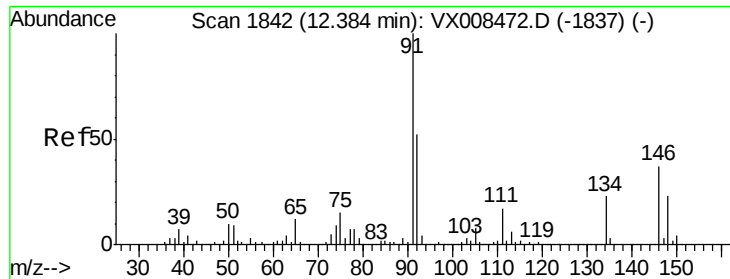
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#84
 1,4-Dichlorobenzene
 Concen: 19.686 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	17.6	52.8
148	63.1	31.4	94.2





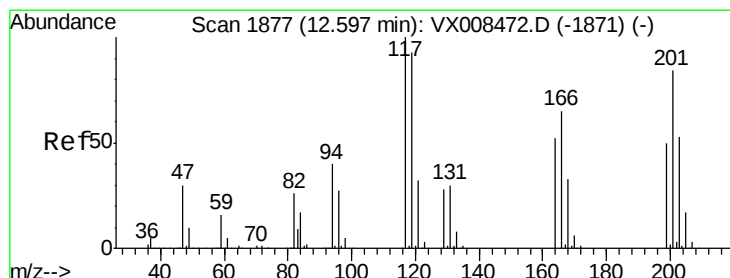
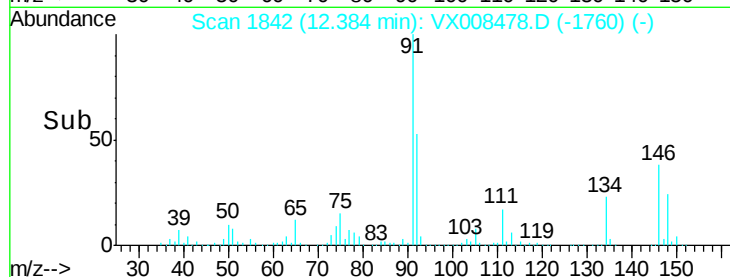
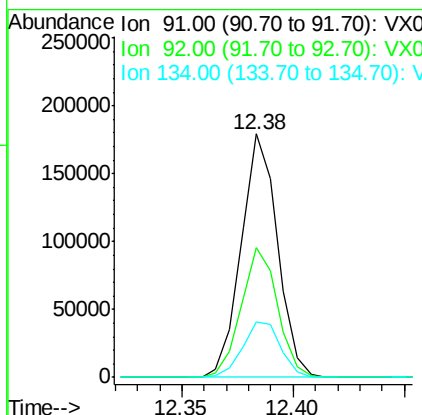
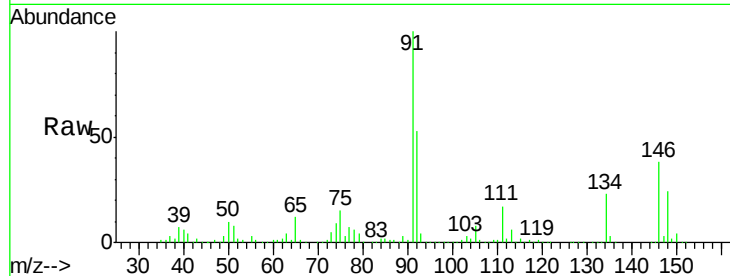
#85
n-Butylbenzene
Concen: 19.614 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		204726		
92	53.3	0.0	105.2		
134	23.9	0.0	56.4		

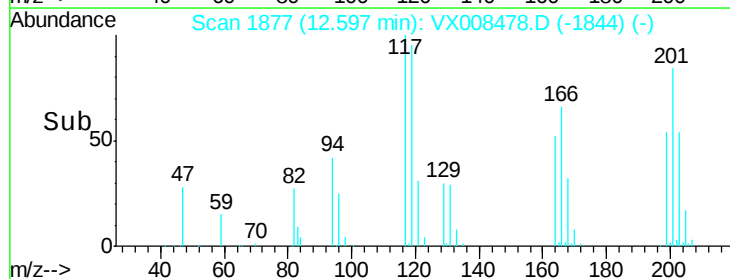
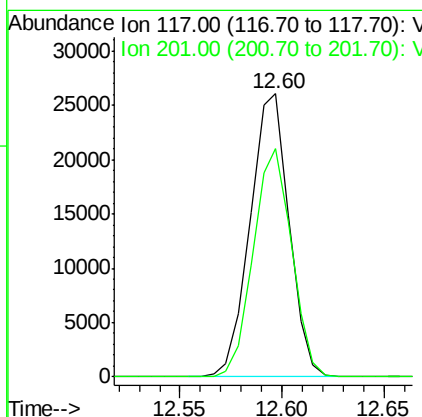
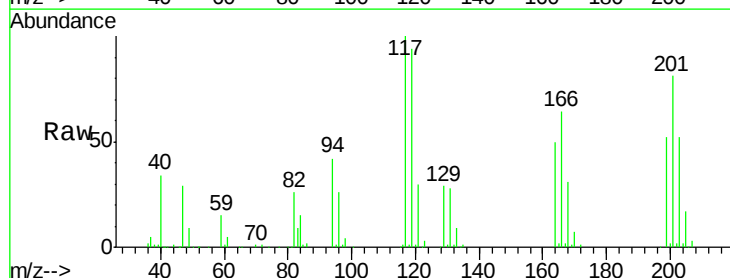
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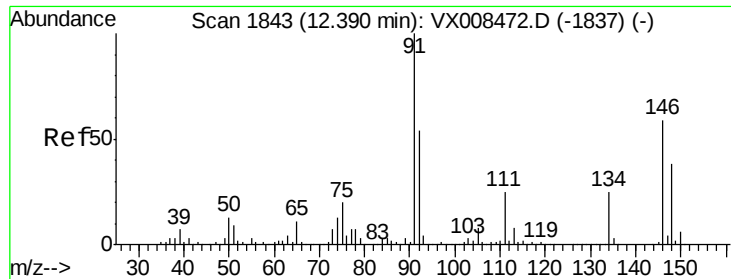
MMDadoda
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#86
Hexachloroethane
Concen: 18.897 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		34685		
201	79.5	41.1	123.3		





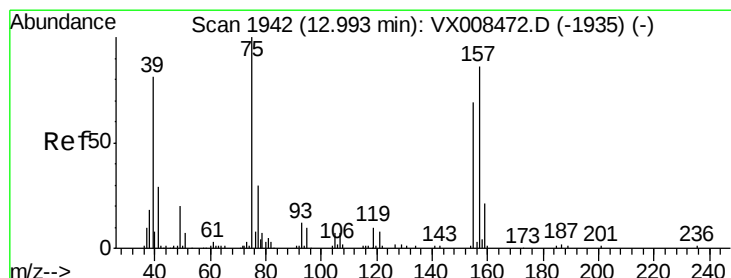
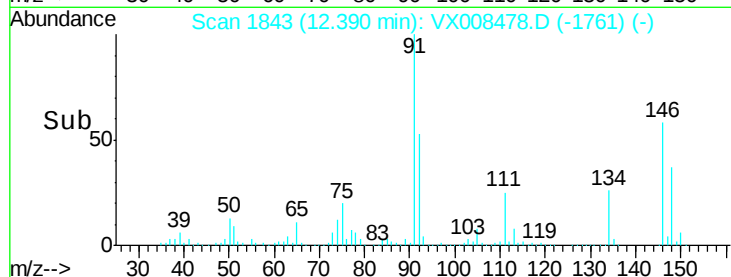
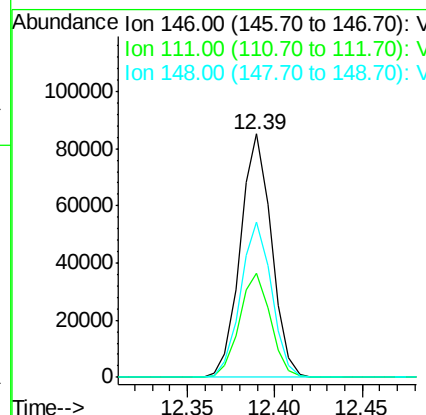
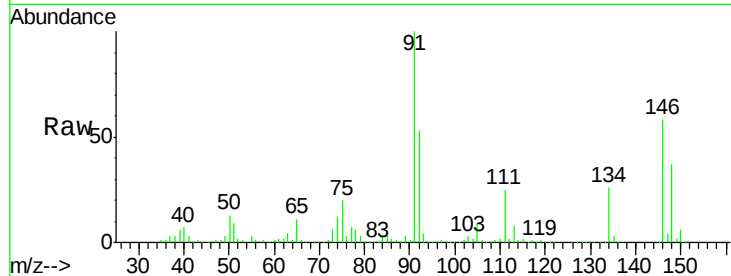
#87
 1,2-Dichlorobenzene
 Concen: 19.681 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.3	57.8
148	63.6	32.1	96.3

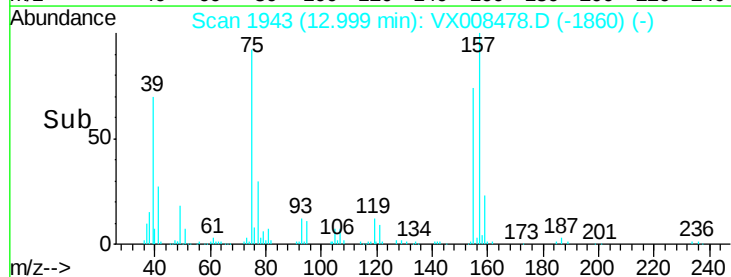
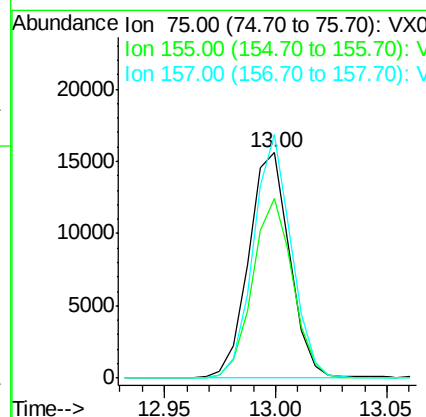
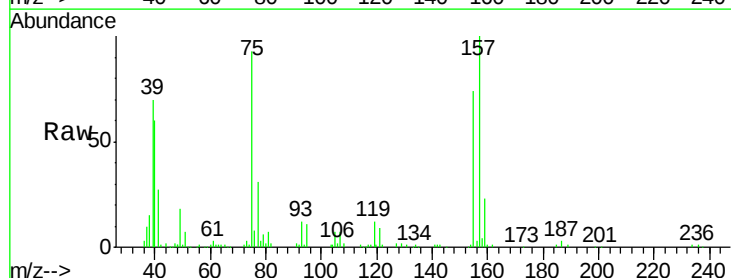
Manual Integrations
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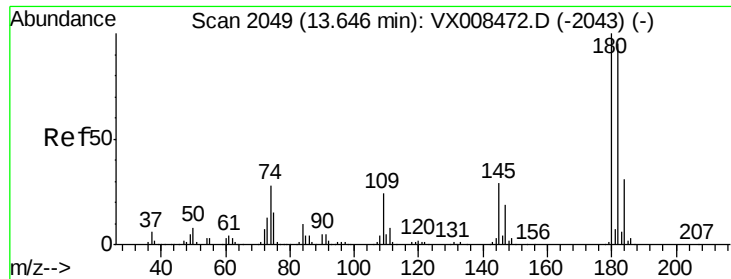
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.278 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	81.0	121.6#
157	99.6	103.2	154.8#





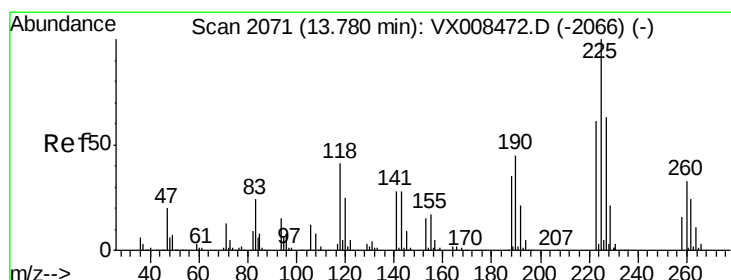
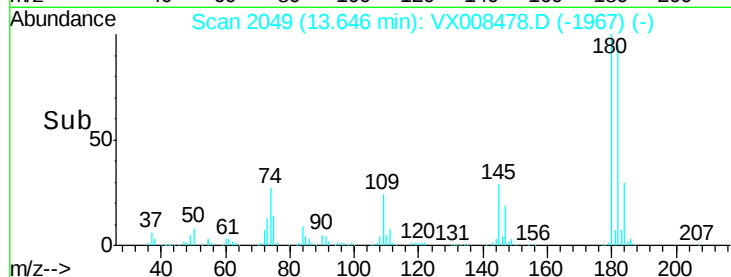
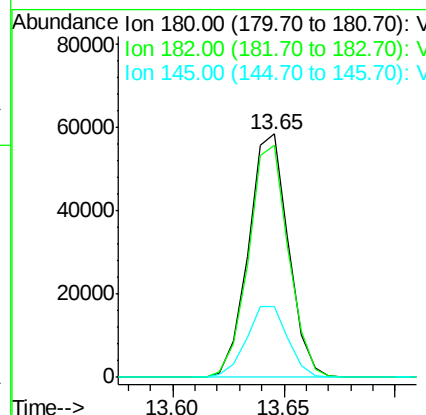
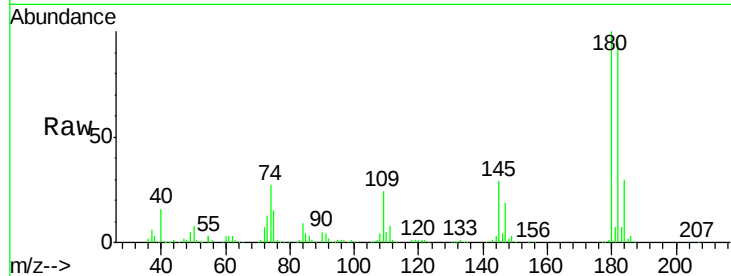
#89
1,2,4-Trichlorobenzene
Concen: 19.847 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.6	113.4
145	30.5	23.0	34.6

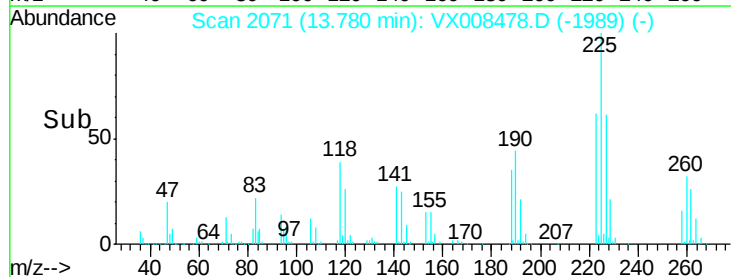
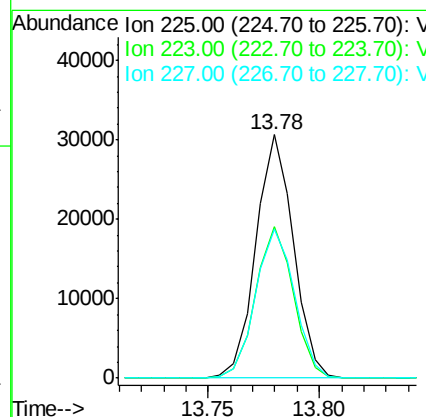
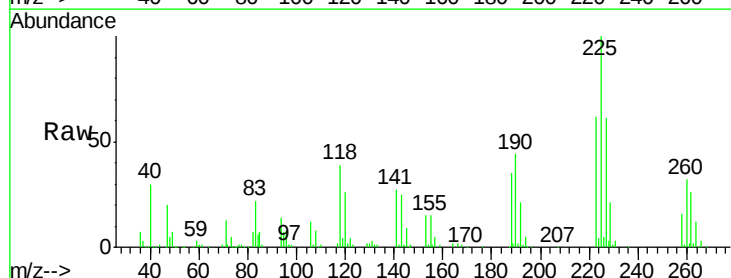
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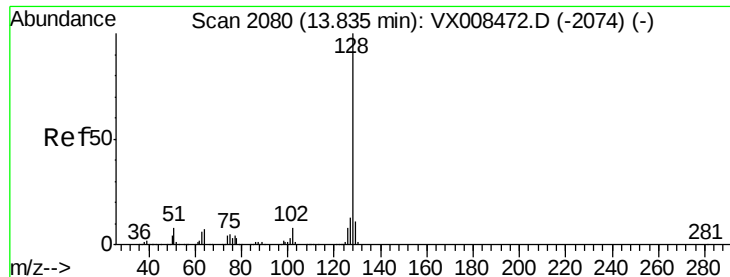
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#90
Hexachlorobutadiene
Concen: 20.194 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	123.8
227	64.0	0.0	124.4





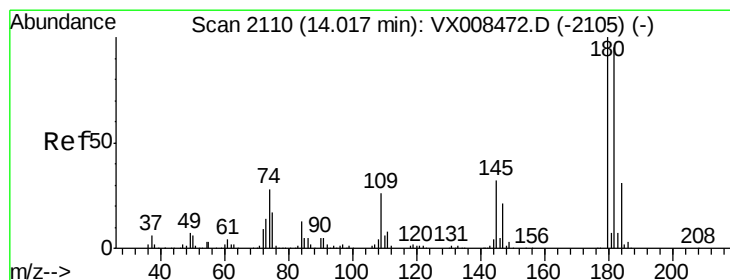
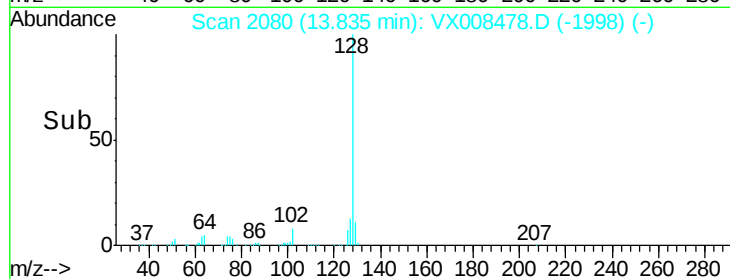
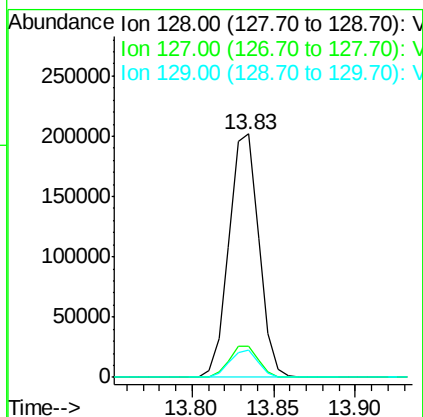
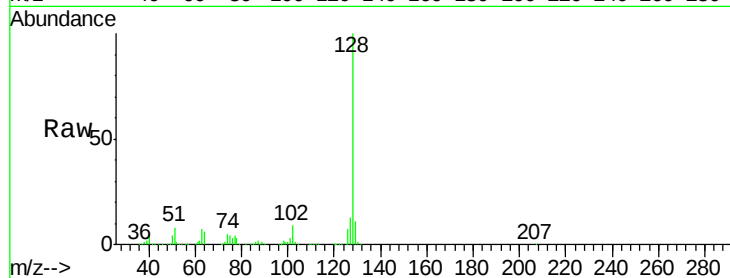
#91
Naphthalene
Concen: 20.330 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.9	13.3

Manual Integrations
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3/28/2019 9:36:22 AM



#92
1,2,3-Trichlorobenzene
Concen: 20.439 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	193.0
145	31.9	0.0	63.0

