

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008505.D
 Acq On : 27 Mar 2019 23:59
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:35:20 AM

Quant Time: Mar 28 04:20:20 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	34967	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	200890	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	178522	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	87549	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	11.13	95	91370	29.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.93%
63) Toluene-d8	8.71	98	255908	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	41777	17.472	ug/l 99
3) Chloromethane	1.32	50	56665	18.088	ug/l 97
4) Vinyl Chloride	1.40	62	57040	18.064	ug/l 98
5) Bromomethane	1.64	94	25185	15.393	ug/l 95
6) Chloroethane	1.73	64	35270	17.066	ug/l 98
7) Trichlorofluoromethane	1.93	101	63290	18.058	ug/l 98
8) Diethyl Ether	2.18	74	30348	18.361	ug/l 78
9) 1,1,2-Trichlorotrifluoroet	2.39	101	38036	17.426	ug/l 93
10) 1,1-Dichloroethene	2.37	96	41110	18.566	ug/l 83
11) Methyl Iodide	2.51	142	38698	16.877	ug/l 94
12) Methyl Acetate	3.19	43	33368	18.593	ug/l 90
13) Acrolein	2.29	56	26612	51.687	ug/l 97
14) Acrylonitrile	3.14	53	155584	93.767	ug/l 100
15) Acetone	2.44	58	40705	79.553	ug/l 95
16) Carbon Disulfide	2.57	76	121510	17.640	ug/l 98
17) Allyl chloride	2.73	41	88138	17.710	ug/l 89
18) Methylene Chloride	2.85	84	48998	18.511	ug/l # 84
19) trans-1,2-Dichloroethene	3.17	96	43489	18.383	ug/l 86
20) Diisopropyl ether	3.85	45	180470	18.632	ug/l # 89
21) 1,1-Dichloroethane	3.70	63	91098	18.737	ug/l 96
22) cis-1,2-Dichloroethene	4.60	96	50562	18.495	ug/l # 84
23) tert-Butyl Alcohol	3.04	59	55794	83.272	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	149784	18.406	ug/l 98
25) Chloroform	5.21	83	81643	18.538	ug/l 97
26) Cyclohexane	5.58	56	85847	18.175	ug/l # 83
29) 1,1-Dichloropropene	5.80	75	62275	18.426	ug/l 94
30) 2-Butanone	4.67	43	222691	89.605	ug/l 95
31) 2,2-Dichloropropane	4.58	77	51243	15.181	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	64801	18.464	ug/l # 95
33) Carbon Tetrachloride	5.79	117	52562	17.900	ug/l 99
34) Benzene	6.14	78	196185	18.990	ug/l # 96
35) Methacrylonitrile	5.04	41	47500	18.794	ug/l 90
36) 1,2-Dichloroethane	6.19	62	70274	19.079	ug/l 96
37) Trichloroethene	7.21	130	44120	18.570	ug/l 81
38) Methylcyclohexane	7.46	83	74750	17.552	ug/l 89
39) 1,2-Dichloropropane	7.51	63	54514	18.604	ug/l 99
40) Dibromomethane	7.66	93	31872	18.777	ug/l 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	61833	18.526	ug/l	100
42) Vinyl Acetate	3.81	43	791034	93.894	ug/l #	94
43) Ethyl Acetate	4.83	43	86294	19.292	ug/l #	82
44) Isopropyl Acetate	6.45	43	133709	18.486	ug/l	99
45) 1,4-Dioxane	7.74	88	22865	317.560	ug/l #	83
46) Methyl methacrylate	7.77	41	68100	18.538	ug/l	87
47) n-amyl Acetate	10.90	43	119704	18.220	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	63504	16.845	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	73277	17.378	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	46051	18.271	ug/l	98
51) Ethyl methacrylate	9.18	69	85463	18.221	ug/l	92
52) 1,3-Dichloropropane	9.37	76	84619	18.871	ug/l	100
53) Dibromochloromethane	9.58	129	43816	17.666	ug/l	100
54) 1,2-Dibromoethane	9.67	107	48432	18.641	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	216474	91.486	ug/l	95
56) Bromoform	10.85	173	31069	17.188	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	438619	93.131	ug/l	95
59) 2-Hexanone	9.49	43	333707	89.685	ug/l	97
61) Tetrachloroethene	9.34	164	36676	18.782	ug/l	96
62) Toluene	8.78	91	201538	18.646	ug/l	99
64) Chlorobenzene	10.13	112	117793	18.599	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	40814	18.278	ug/l	98
66) Ethyl Benzene	10.25	91	222343	18.533	ug/l	95
67) m/p-Xylenes	10.36	106	160834	36.755	ug/l	91
68) o-Xylene	10.69	106	78294	18.284	ug/l	92
69) Styrene	10.71	104	136078	18.263	ug/l	96
70) Isopropylbenzene	11.02	105	206724	18.301	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	78031	18.492	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	65932m	18.485	ug/l	
73) Bromobenzene	11.26	156	49171	18.297	ug/l	78
74) n-propylbenzene	11.36	91	245429	18.239	ug/l	94
75) 2-Chlorotoluene	11.42	91	147057	18.369	ug/l	89
76) 1,3,5-Trimethylbenzene	11.51	105	174806	18.101	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	20602	15.058	ug/l	97
78) 4-Chlorotoluene	11.51	91	164696	17.875	ug/l	91
79) tert-butylbenzene	12.06	119	177427	17.978	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	175666	18.243	ug/l	95
81) sec-Butylbenzene	11.94	105	199712	18.100	ug/l	96
82) p-Isopropyltoluene	12.06	119	177427	17.978	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	86033	18.033	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	85716	17.978	ug/l	96
85) n-Butylbenzene	12.38	91	162261	17.304	ug/l	97
86) Hexachloroethane	12.60	117	28292	17.158	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	86147	17.920	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16029	17.138	ug/l #	78
89) 1,2,4-Trichlorobenzene	13.65	180	59335	17.893	ug/l	99
90) Hexachlorobutadiene	13.78	225	28335	17.737	ug/l	99
91) Naphthalene	13.83	128	208858	18.384	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	60861	18.220	ug/l	99

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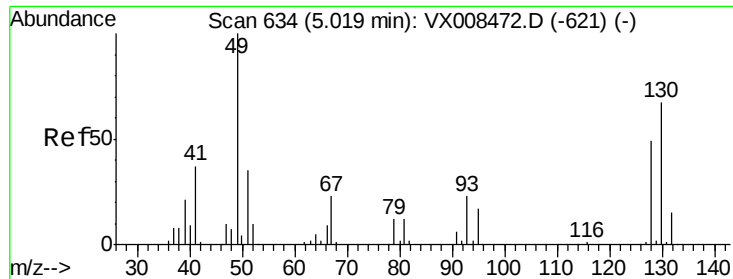
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

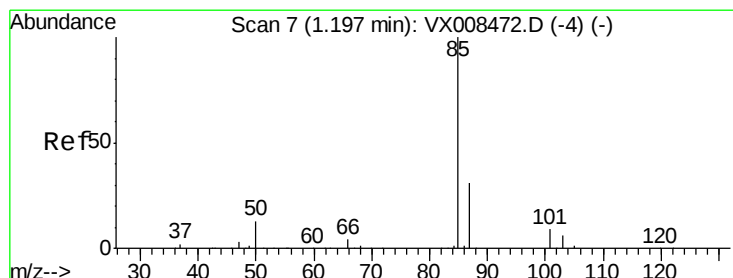
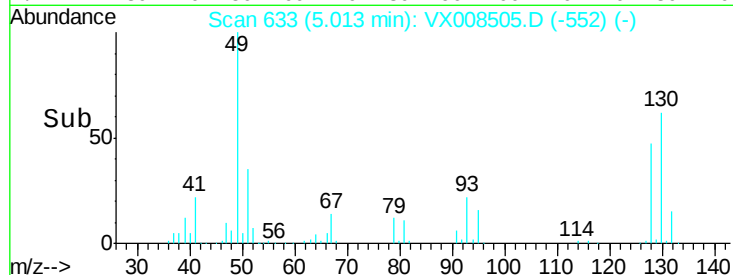
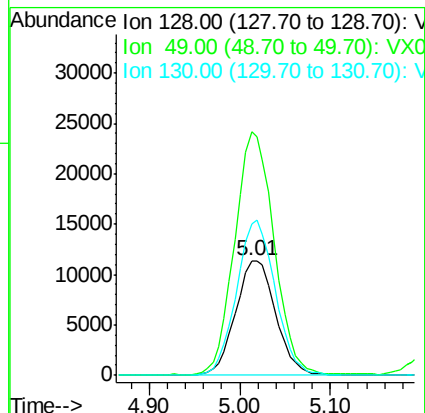
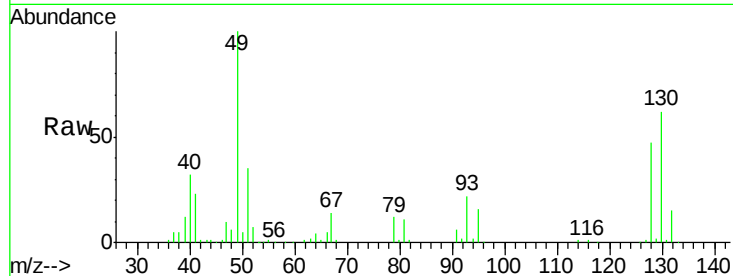
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	34967
Ion	Ratio	Lower	Upper
128	100		
49	208.0	0.0	350.8
130	130.8	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 17.472 ug/l

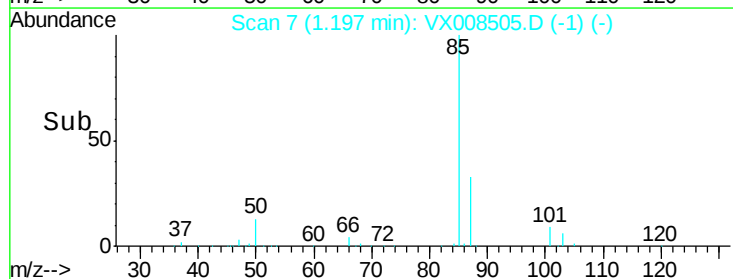
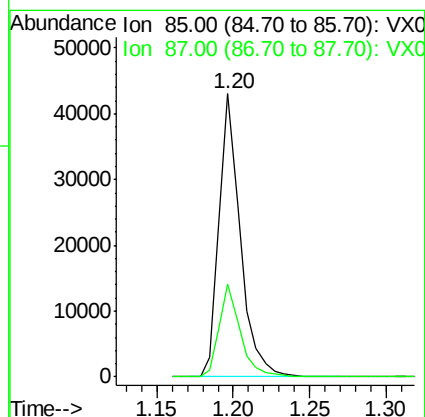
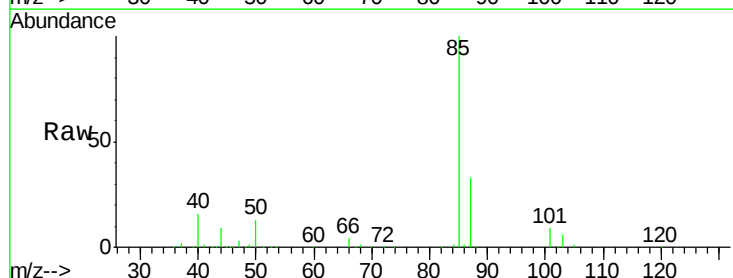
RT: 1.20 min Scan# 7

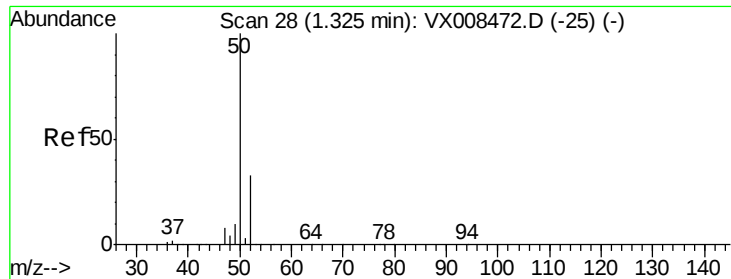
Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Tgt Ion:	85	Resp:	41777
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8





#3

Chloromethane

Concen: 18.088 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 56665

Ion Ratio Lower Upper

50 100

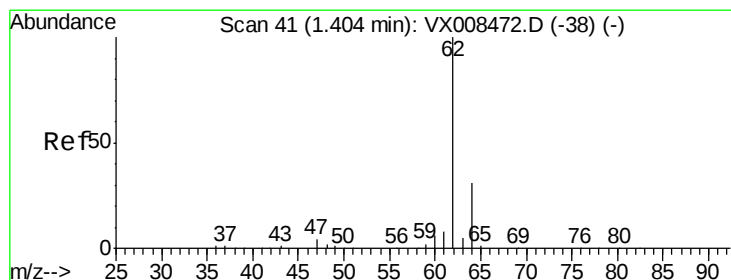
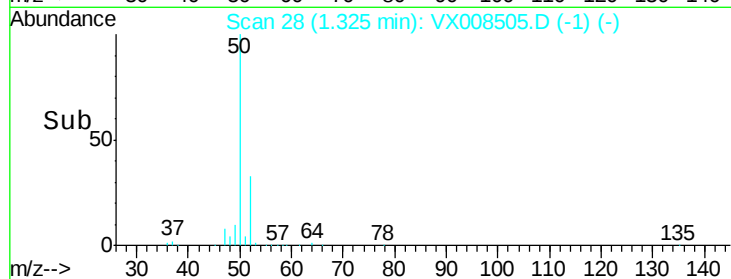
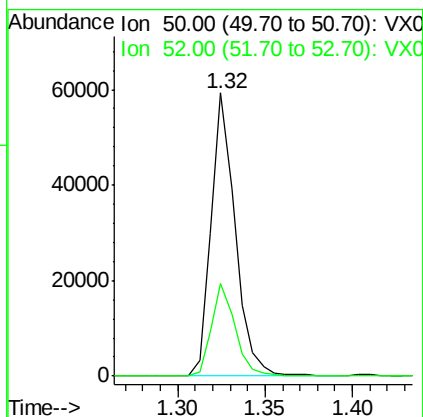
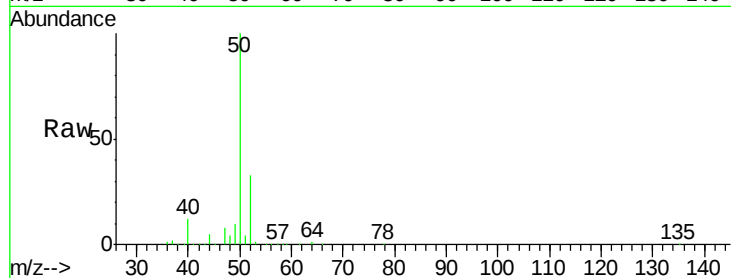
52 32.7 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.064 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008505.D

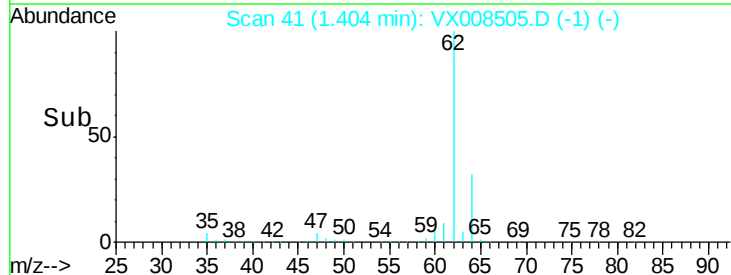
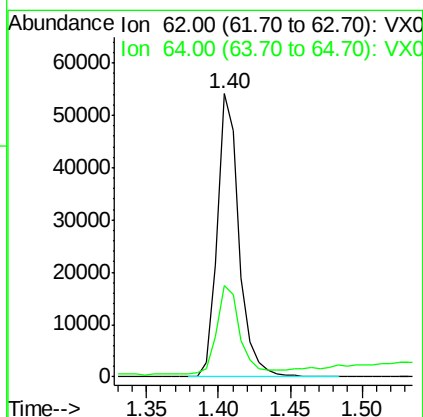
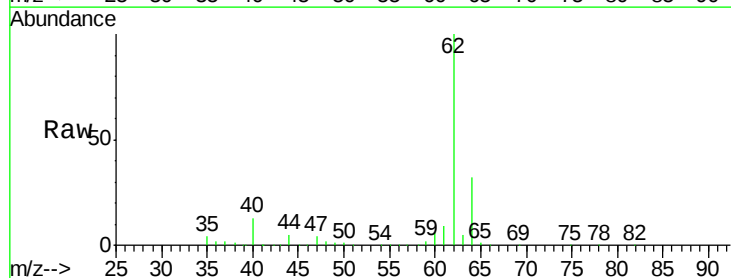
Acq: 27 Mar 2019 23:59

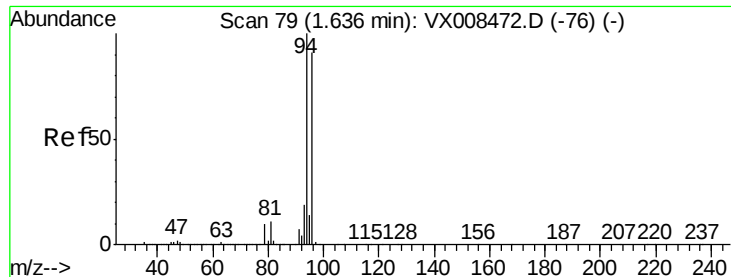
Tgt Ion: 62 Resp: 57040

Ion Ratio Lower Upper

62 100

64 31.0 25.9 38.9





#5

Bromomethane

Concen: 15.393 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 25185

Ion Ratio Lower Upper

94 100

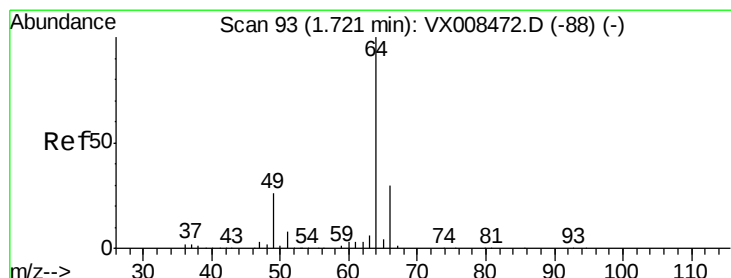
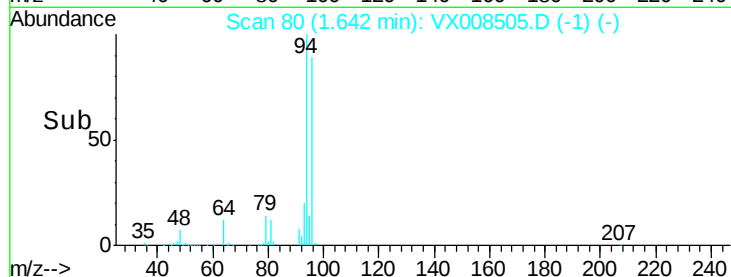
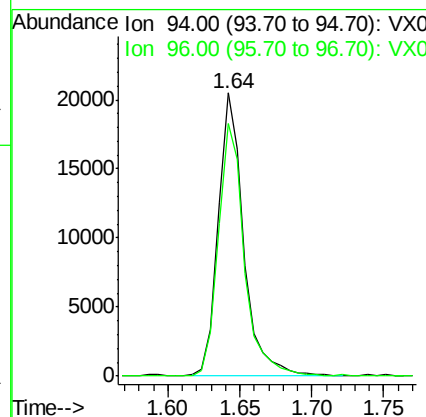
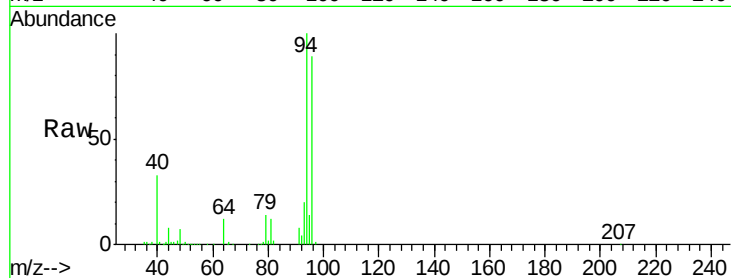
96 89.3 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 17.066 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008505.D

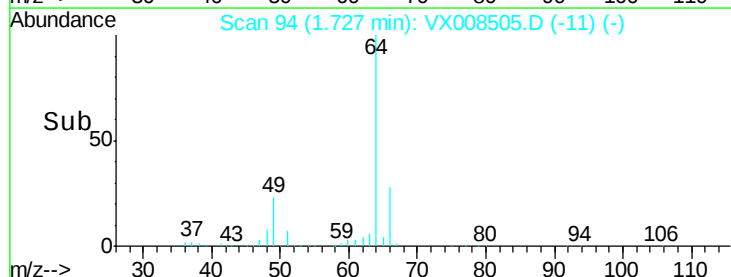
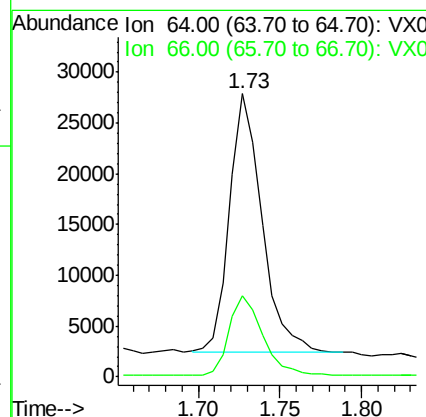
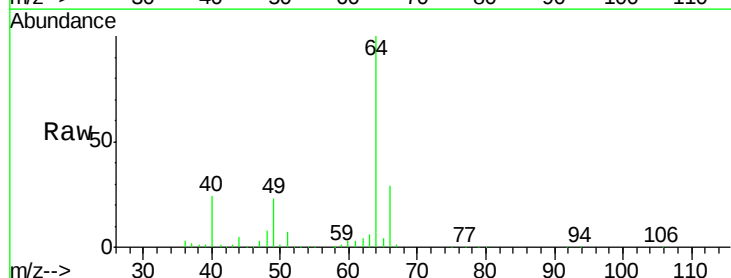
Acq: 27 Mar 2019 23:59

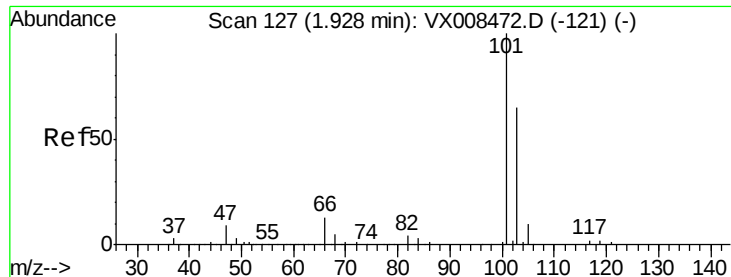
Tgt Ion: 64 Resp: 35270

Ion Ratio Lower Upper

64 100

66 30.9 23.9 35.9





#7

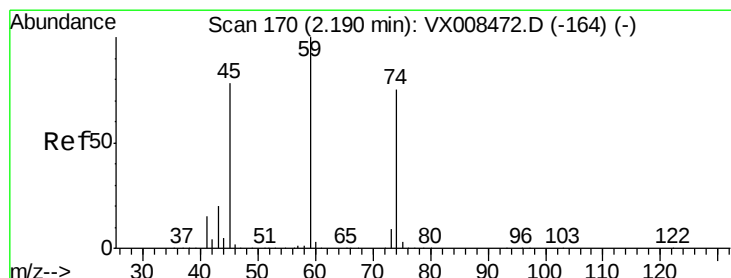
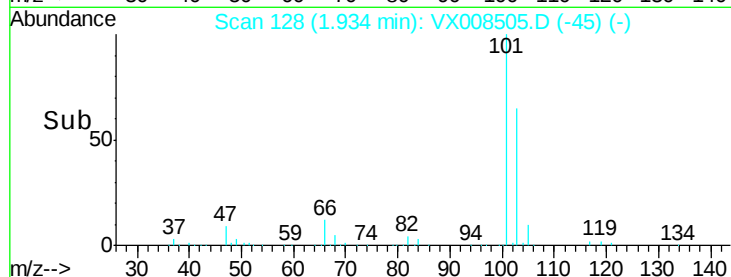
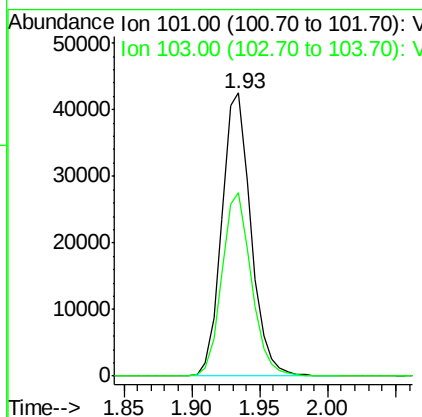
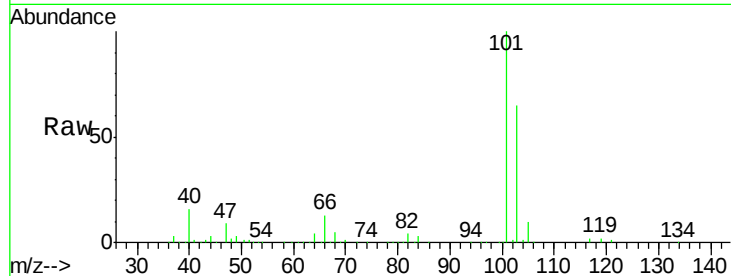
Trichlorofluoromethane
Concen: 18.058 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008505.D
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VSTDCCC020EC

Tot Ion:101 Resp: 63290
Ion Ratio Lower Upper
101 100
103 64.7 50.4 75.6

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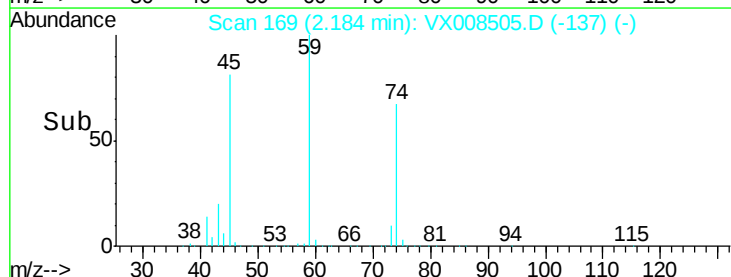
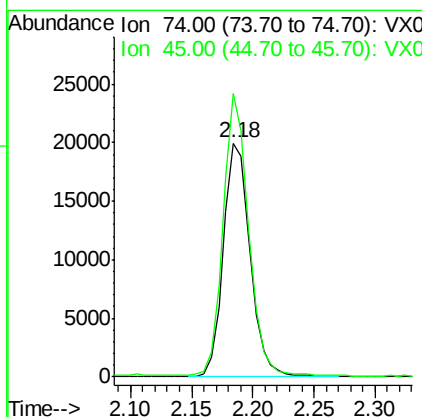
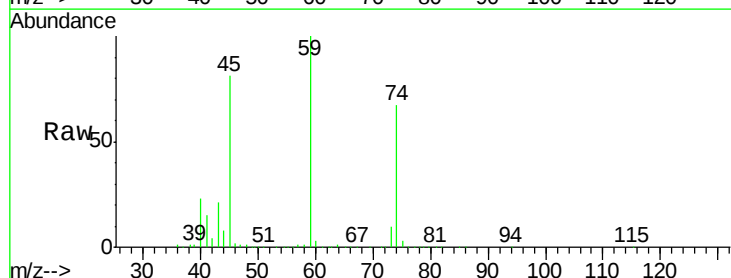
MMDadoda
3/28/2019 9:35:20 AM

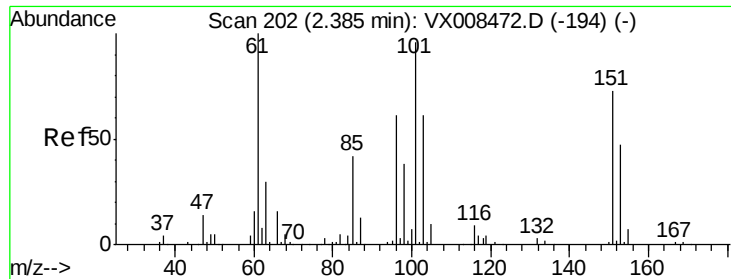


#8

Diethyl Ether
Concen: 18.361 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 74 Resp: 30348
Ion Ratio Lower Upper
74 100
45 114.1 18.6 167.8





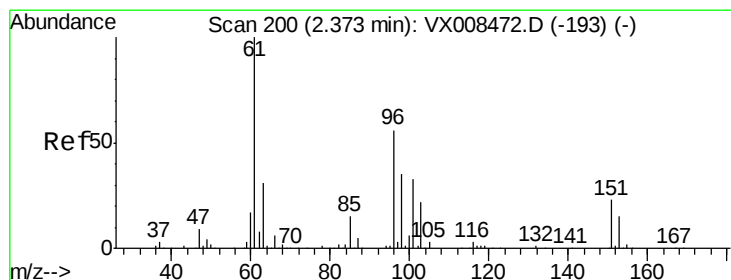
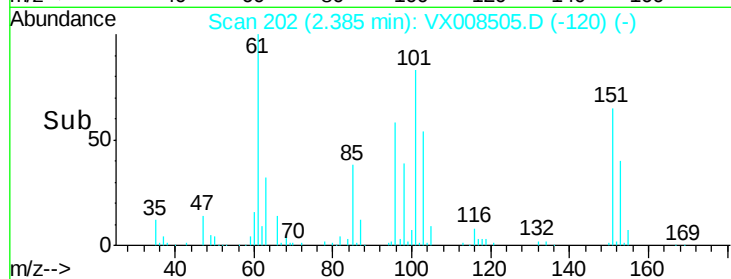
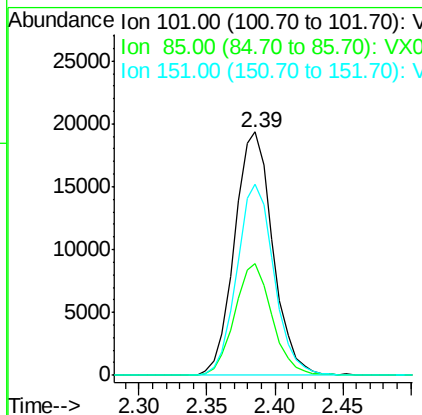
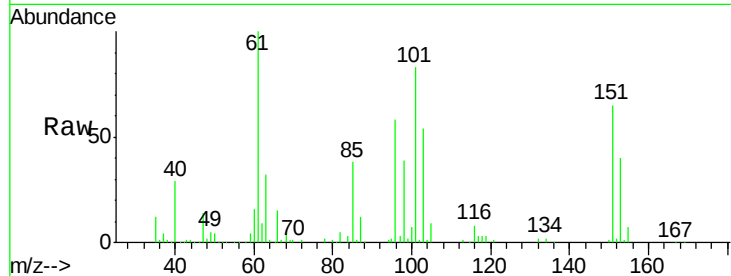
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.426 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX008505.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	38036		
85	44.6	0.0	86.8	
151	76.4	0.0	169.2	

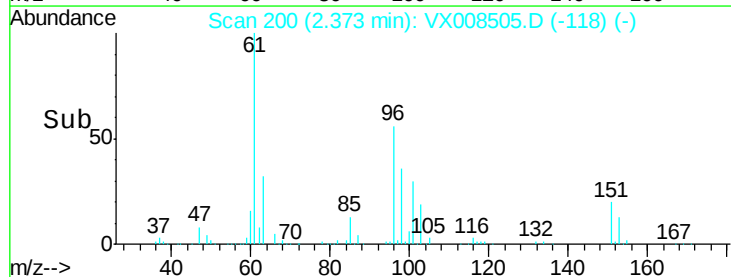
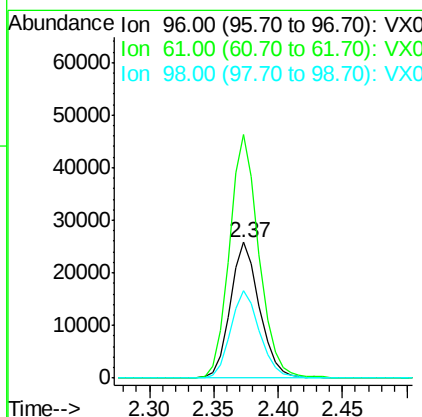
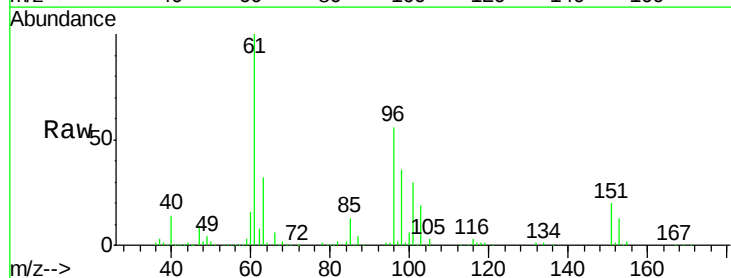
Manual Integrations
 APPROVED

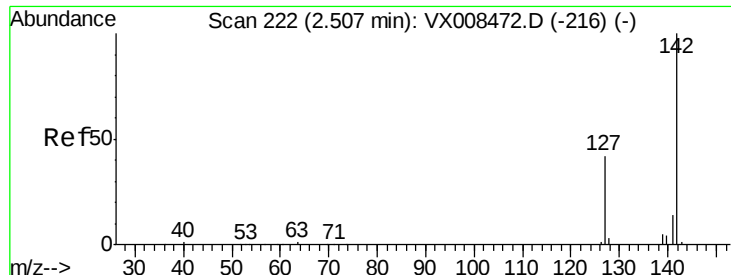
MMDadoda
 3/28/2019 9:35:20 AM



#10
 1,1-Dichloroethene
 Concen: 18.566 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	41110		
61	179.5	120.2	180.2	
98	64.0	49.0	73.4	





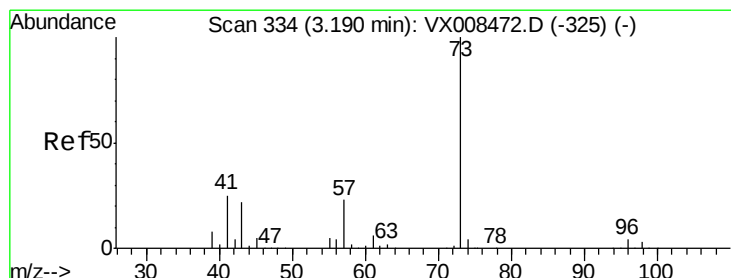
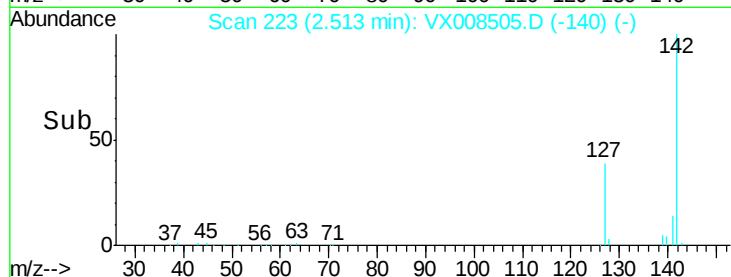
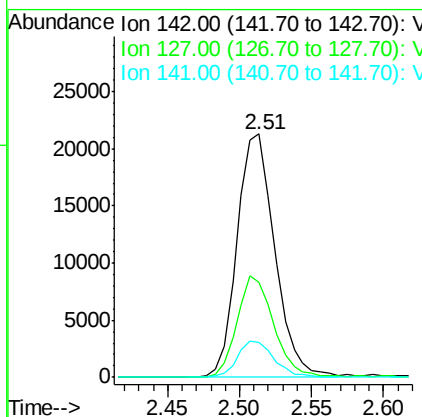
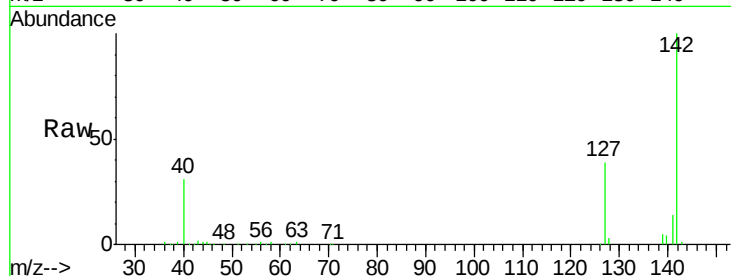
#11
Methyl Iodide
Concen: 16.877 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.1	22.1	66.5
141	14.2	7.4	22.3

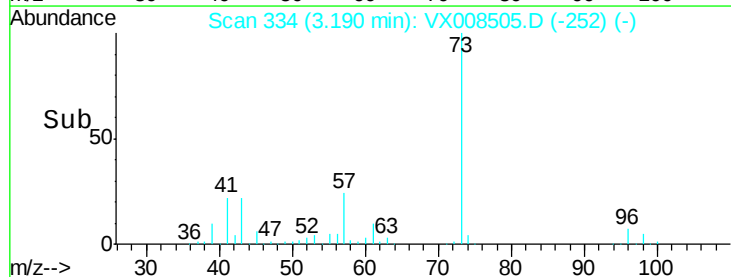
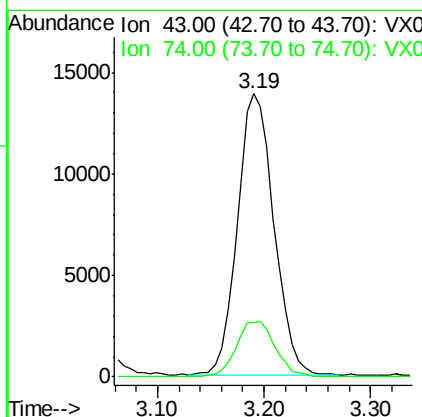
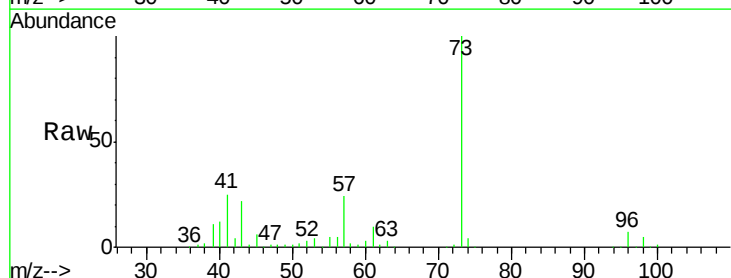
Manual Integrations
APPROVED

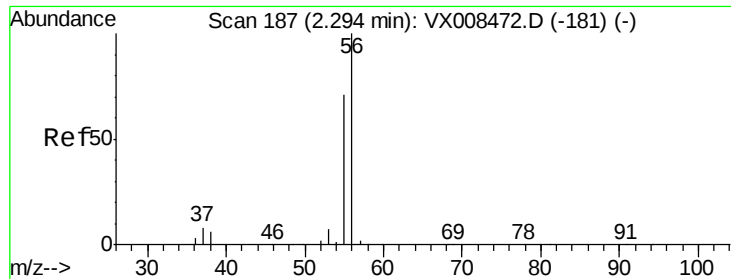
MMDadoda
3/28/2019 9:35:20 AM



#12
Methyl Acetate
Concen: 18.593 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	19.4	29.0





#13

Acrolein

Concen: 51.687 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 26612

Ion Ratio Lower Upper

56 100

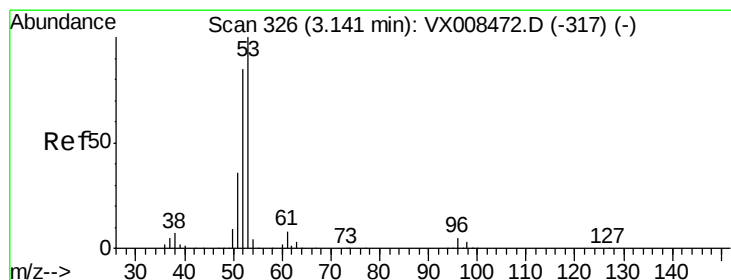
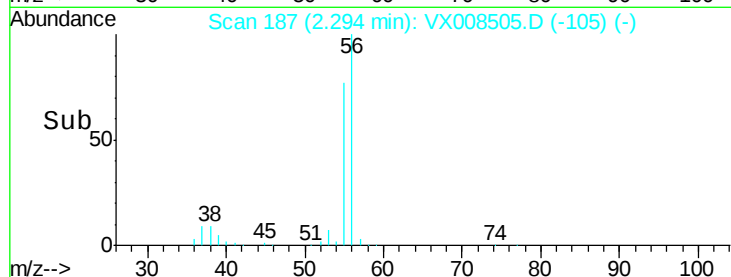
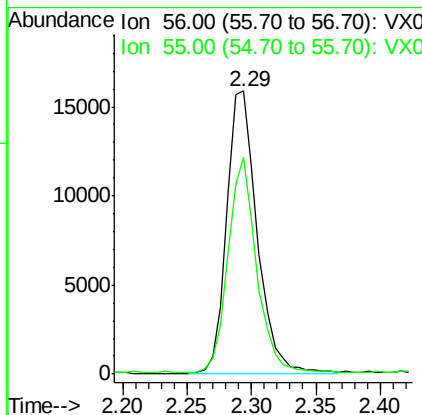
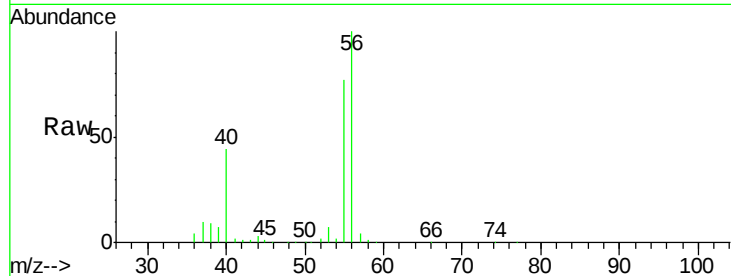
55 70.6 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 93.767 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

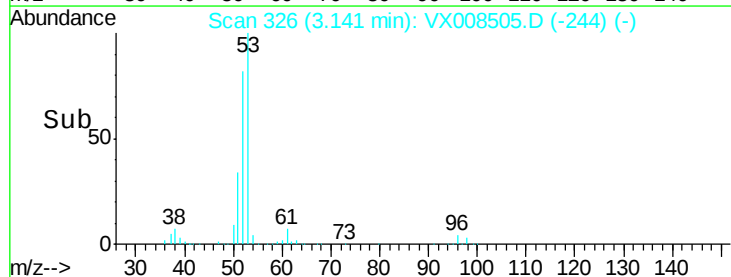
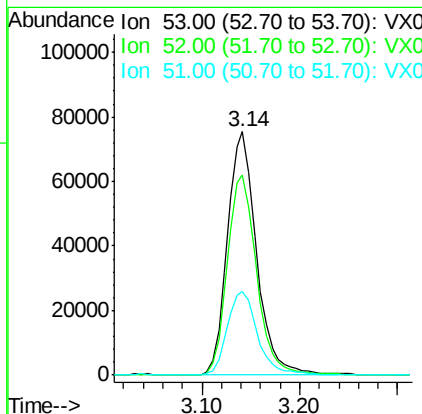
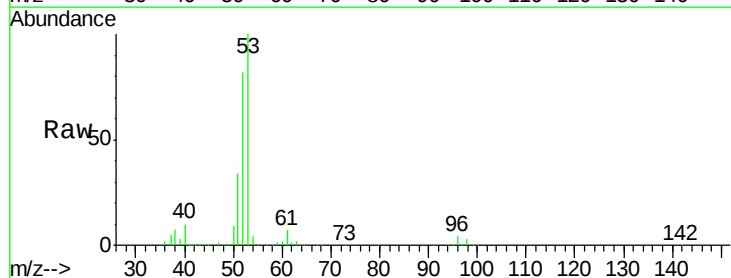
Tgt Ion: 53 Resp: 155584

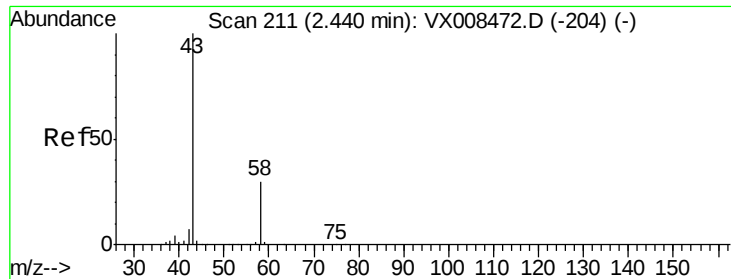
Ion Ratio Lower Upper

53 100

52 82.7 41.3 124.1

51 35.8 17.5 52.6





#15

Acetone

Concen: 79.553 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 40705

Ion Ratio Lower Upper

58 100

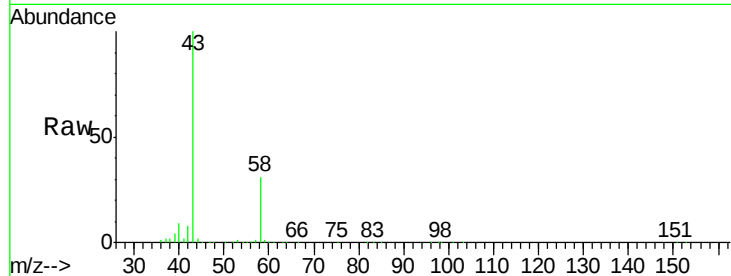
43 323.2 249.8 374.6

Manual Integrations

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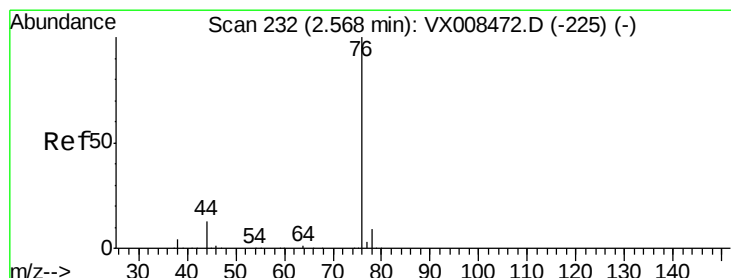
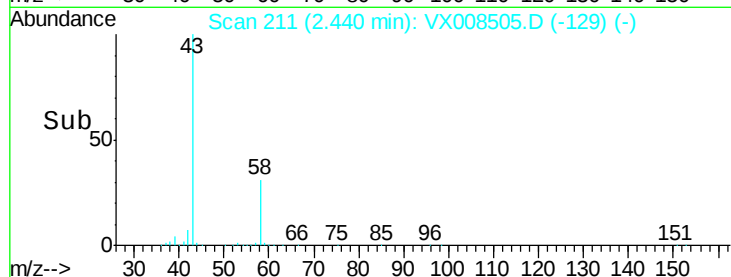
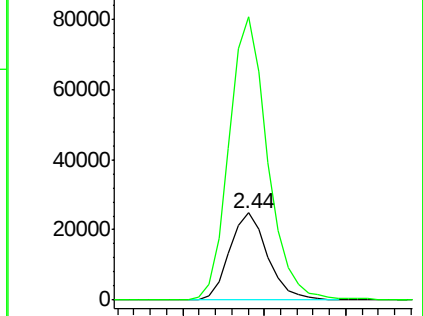
MMDadoda

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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: 17.640 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008505.D

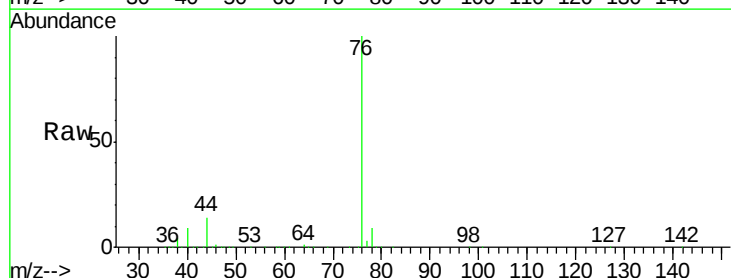
Acq: 27 Mar 2019 23:59

Tgt Ion: 76 Resp: 121510

Ion Ratio Lower Upper

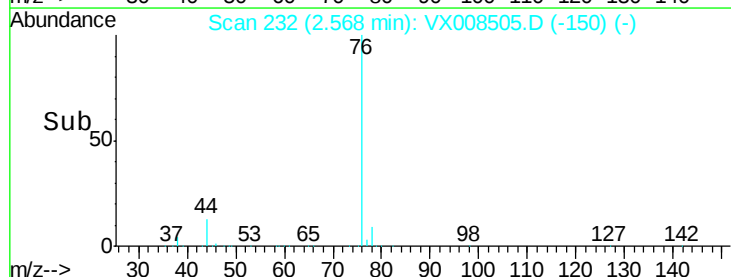
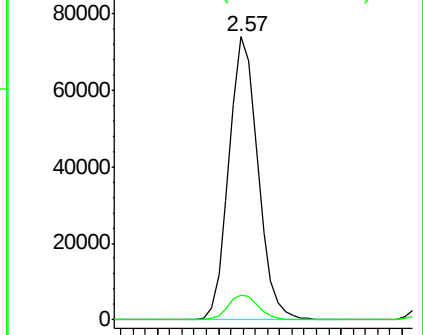
76 100

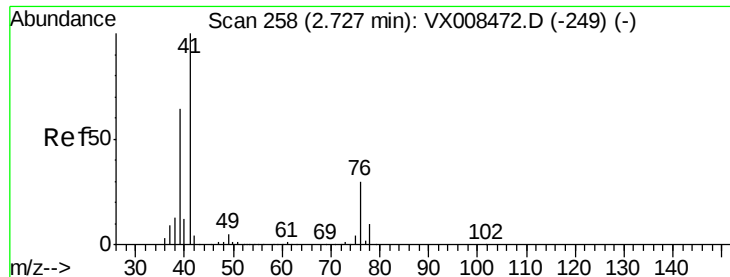
78 8.7 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





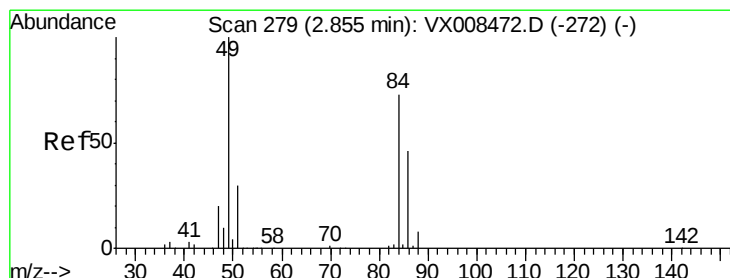
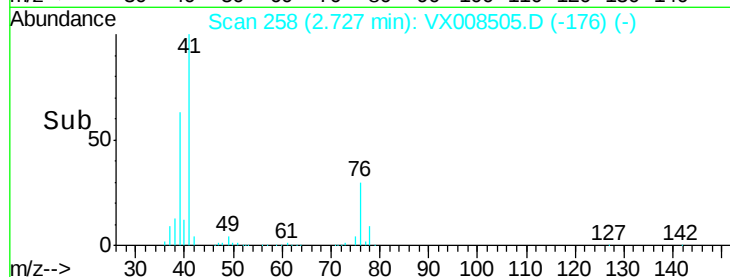
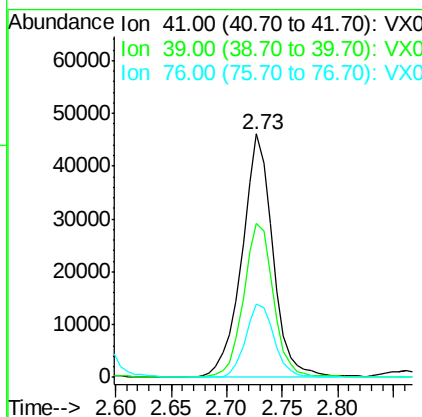
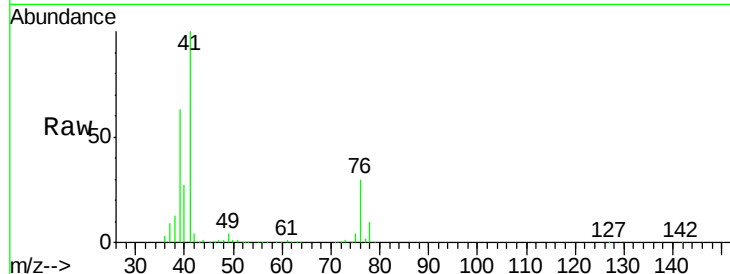
#17
Allvl chloride
Concen: 17.710 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.9	35.8	107.4
76	30.0	18.3	54.9

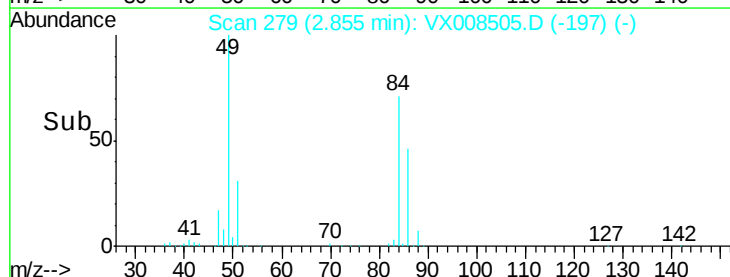
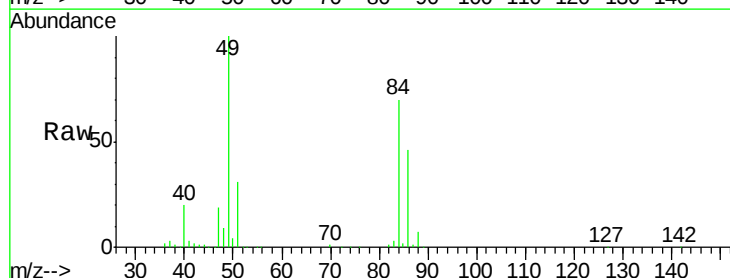
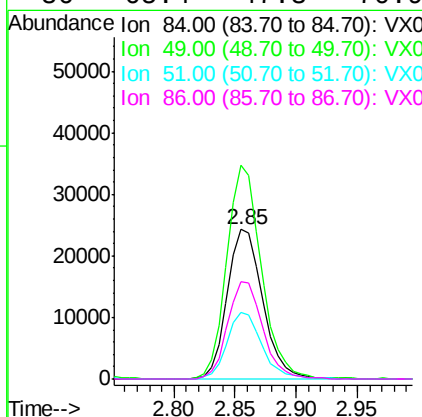
Manual Integrations
APPROVED

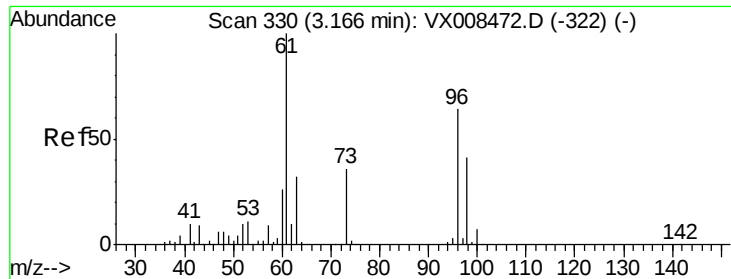
MMDadoda
3/28/2019 9:35:20 AM



#18
Methylene Chloride
Concen: 18.511 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.3	96.1	144.1
51	43.9	29.1	43.7#
86	65.4	47.3	70.9





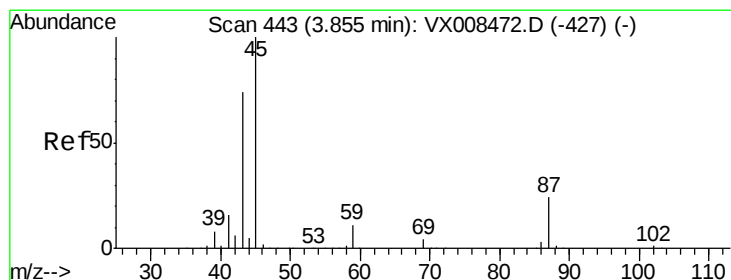
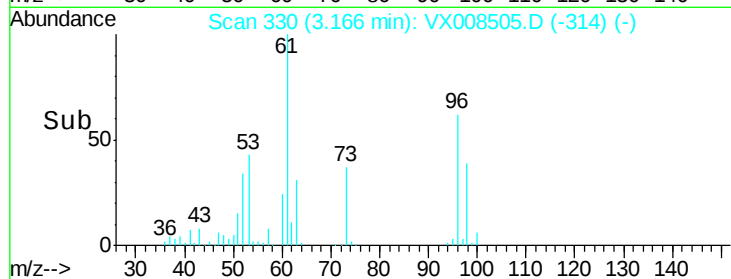
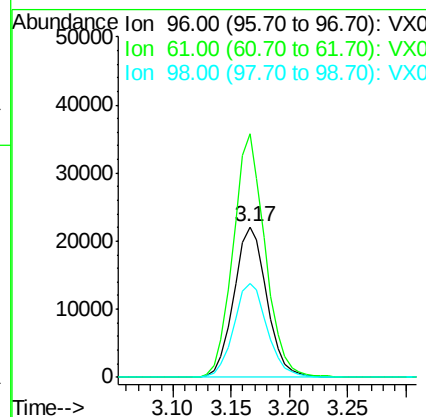
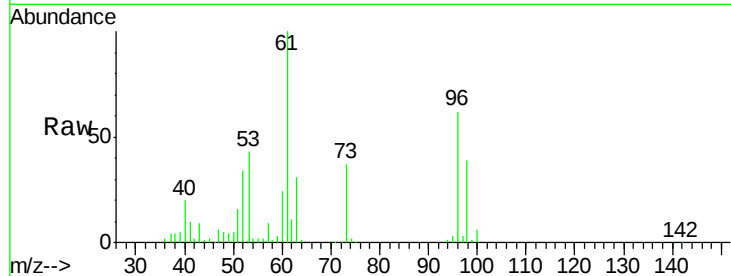
#19
trans-1,2-Dichloroethene
Concen: 18.383 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	161.4	109.9	164.9	
98	62.5	50.4	75.6	

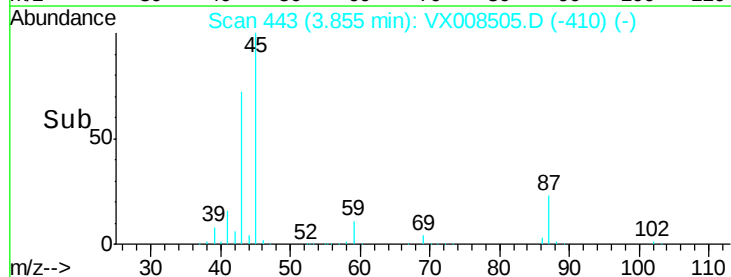
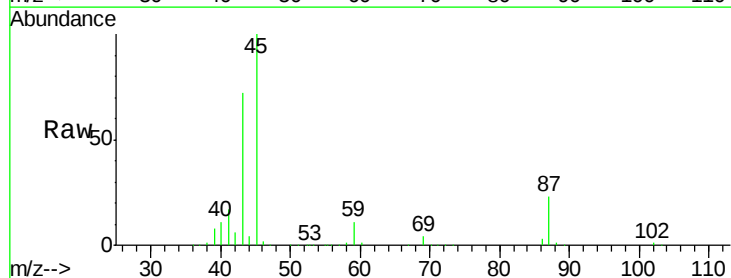
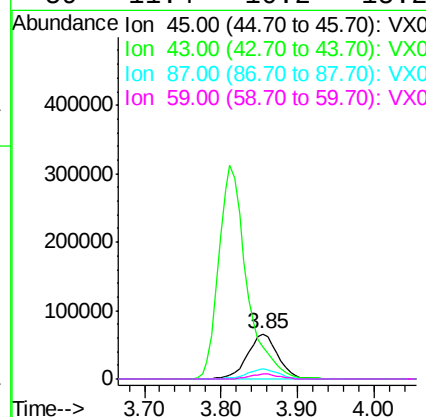
Manual Integrations
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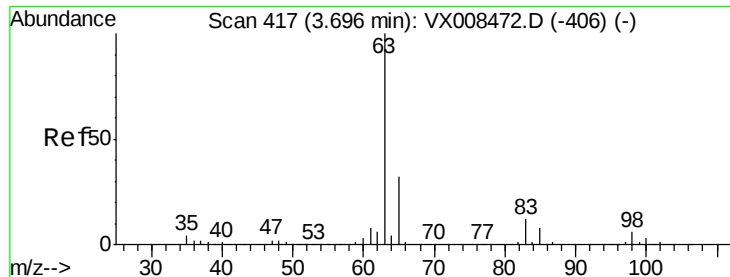
MMDadoda
3/28/2019 9:35:20 AM



#20
Diisopropyl ether
Concen: 18.632 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	71.9	50.6	76.0	
87	23.1	24.5	36.7#	
59	11.4	10.2	15.2	





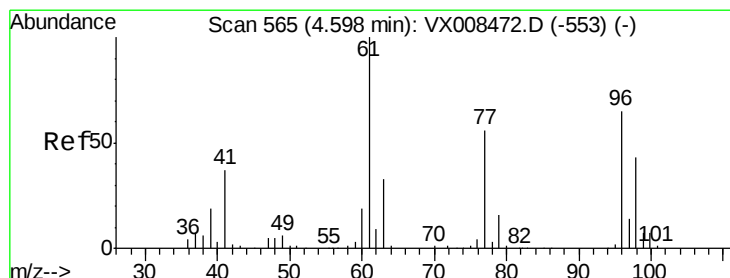
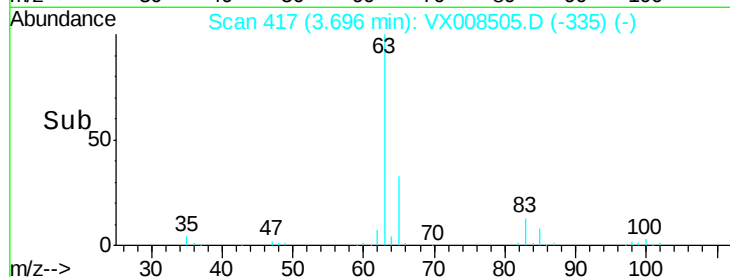
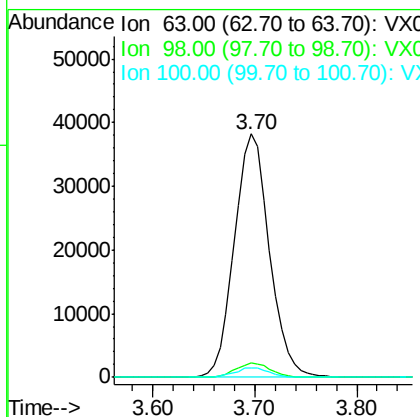
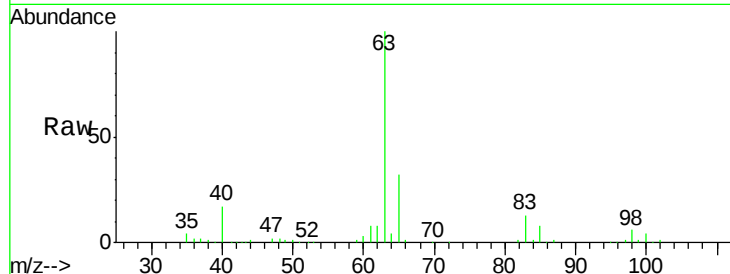
#21
1,1-Dichloroethane
Concen: 18.737 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.8	11.4
100	3.8	2.4	7.1

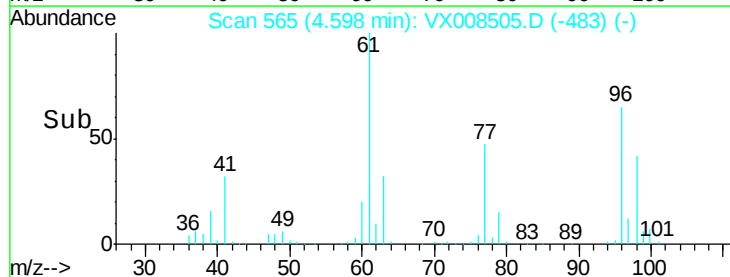
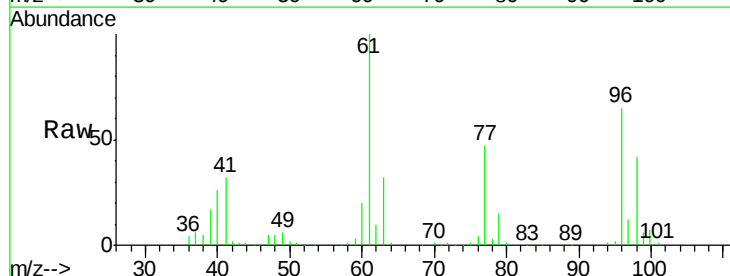
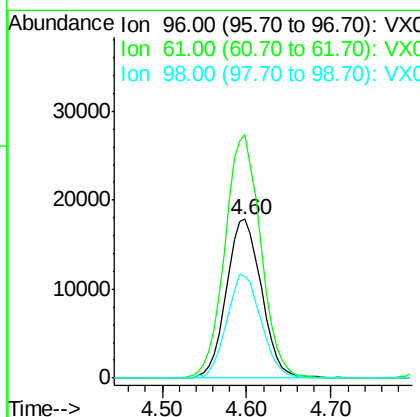
Manual Integrations
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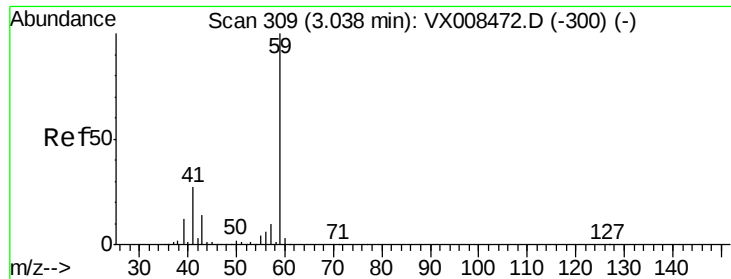
MMDadoda
3/28/2019 9:35:20 AM



#22
cis-1,2-Dichloroethene
Concen: 18.495 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	103.5	155.3#
98	64.3	52.1	78.1





#23

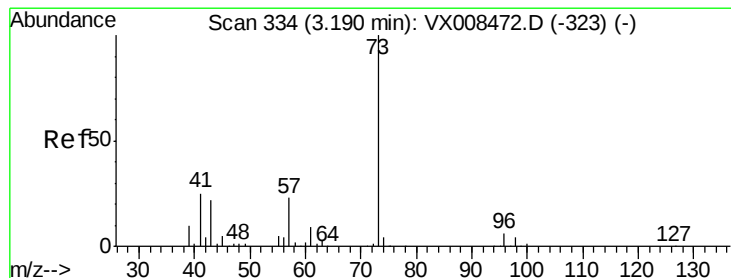
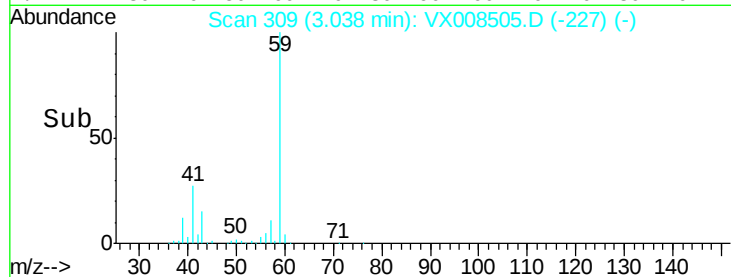
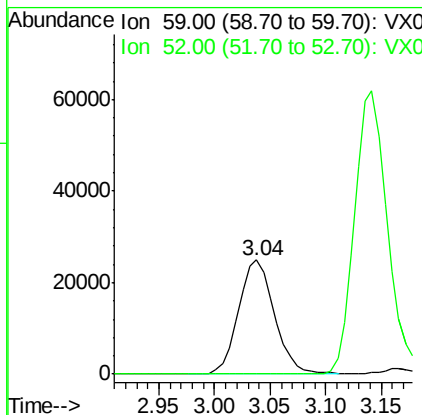
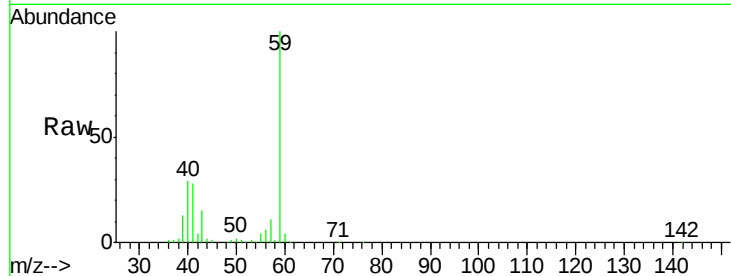
tert-Butyl Alcohol
 Concen: 83.272 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.6	0.2	0.2	0.2

Manual Integrations
 APPROVED

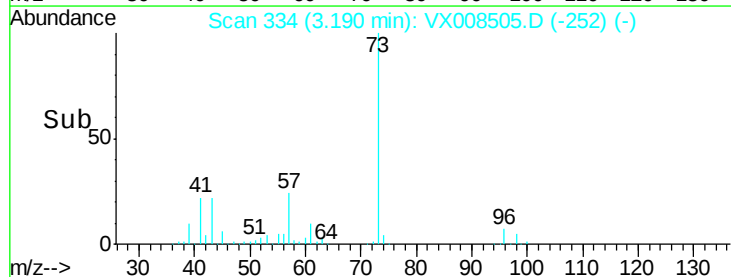
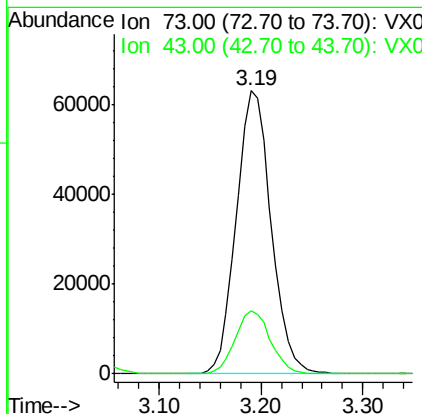
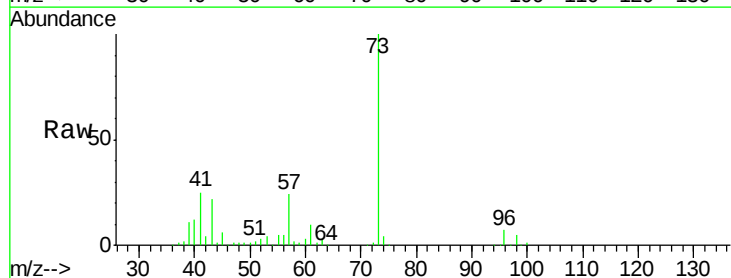
MMDadoda
 3/28/2019 9:35:20 AM

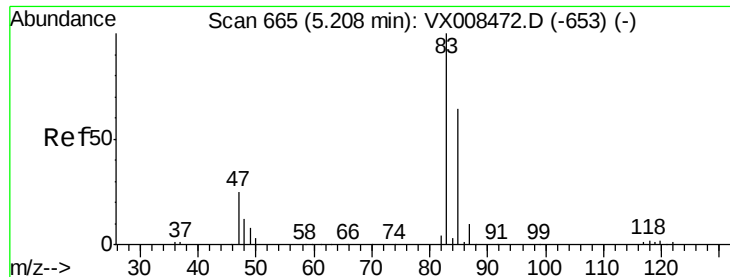


#24

Methyl tert-Butyl Ether
 Concen: 18.406 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	22.3	17.1	25.7	





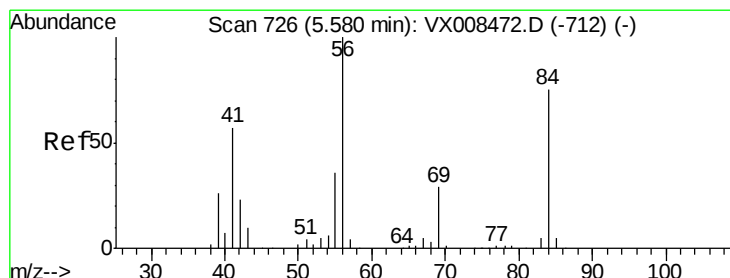
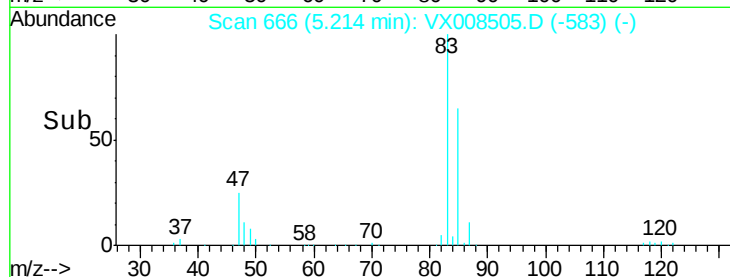
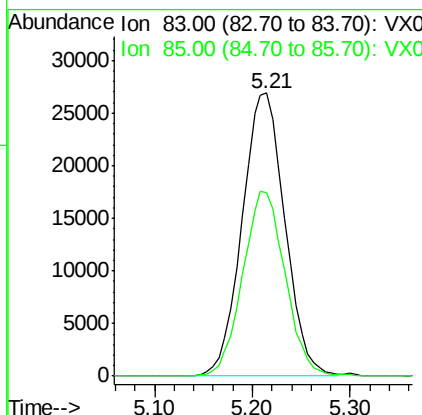
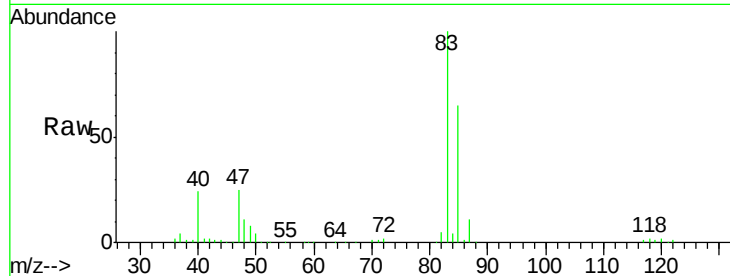
#25
Chloroform
Concen: 18.538 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 81643
Ion Ratio Lower Upper
83 100
85 64.9 53.8 80.6

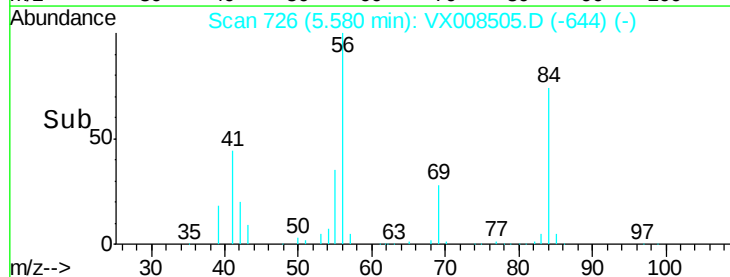
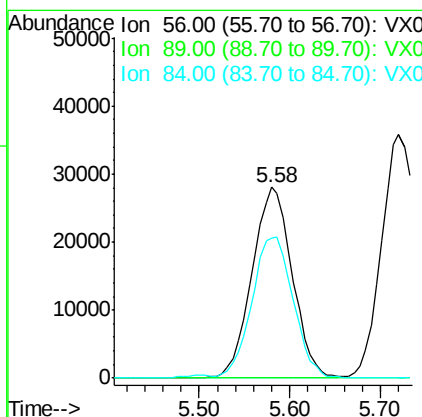
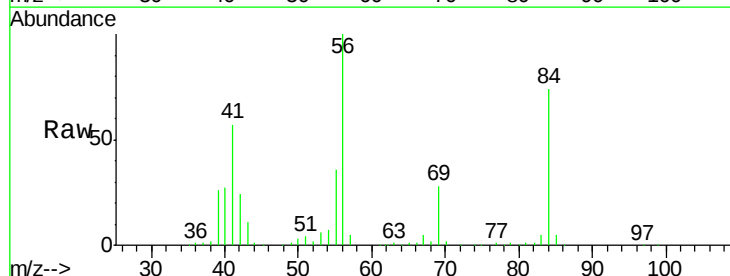
Manual Integrations
APPROVED

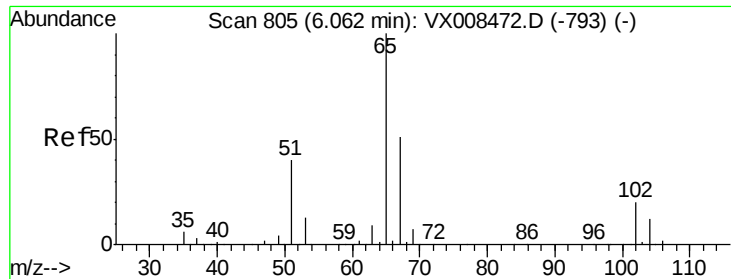
MMDadoda
3/28/2019 9:35:20 AM



#26
Cyclohexane
Concen: 18.175 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 56 Resp: 85847
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.2 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.930 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 87549

Ion Ratio Lower Upper

65 100

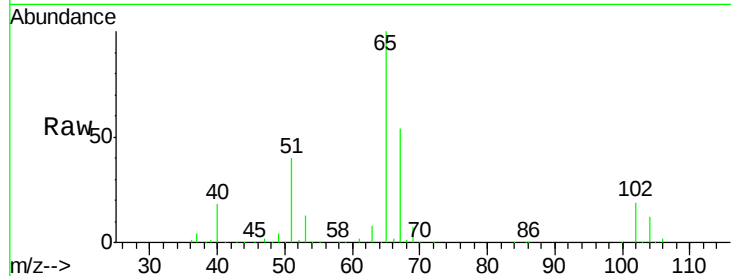
67 53.6 42.9 64.3

Manual Integrations

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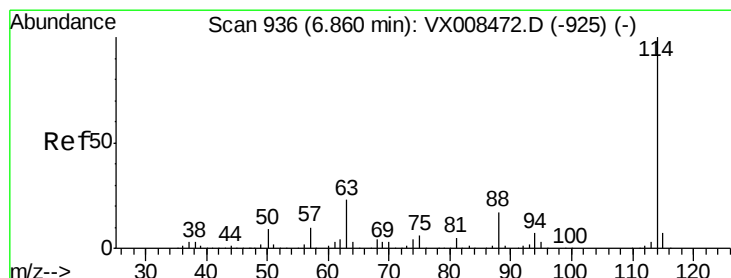
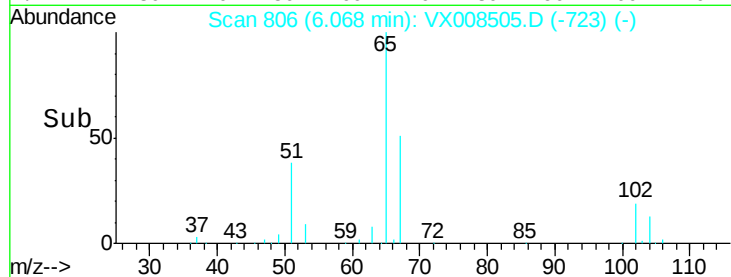
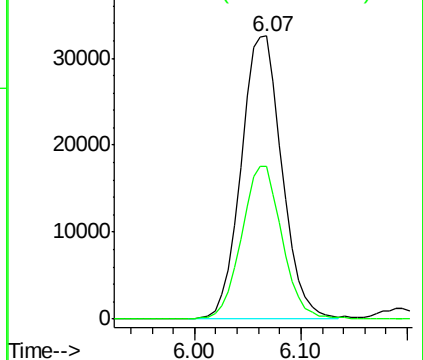
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

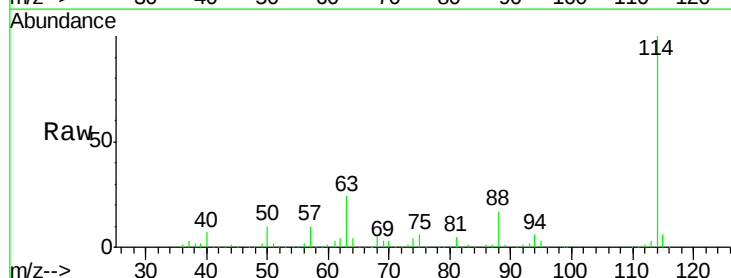
Tgt Ion: 114 Resp: 200890

Ion Ratio Lower Upper

114 100

63 23.5 14.2 21.4#

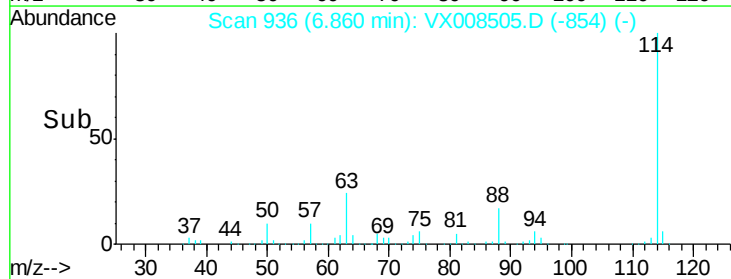
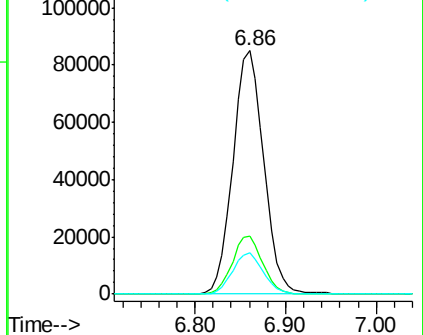
88 16.7 11.9 17.9

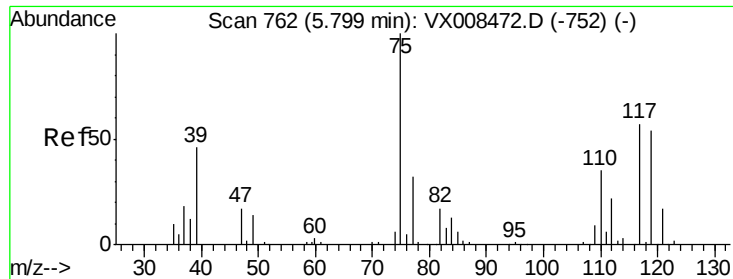


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





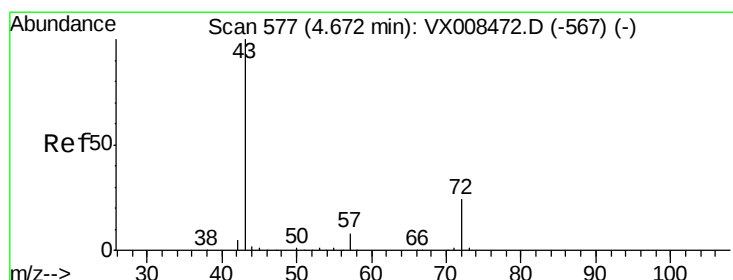
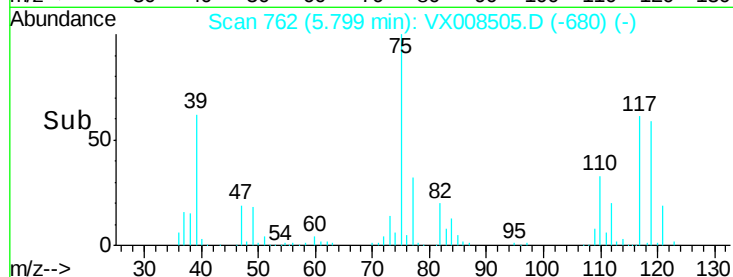
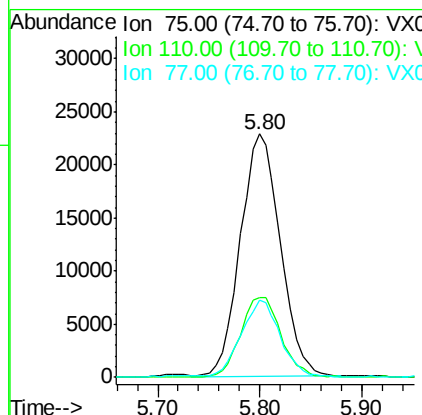
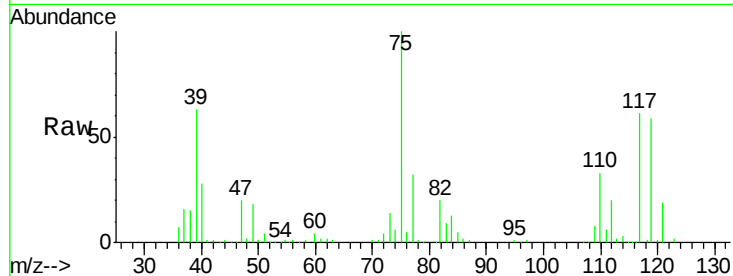
#29
 1,1-Dichloropropene
 Concen: 18.426 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	0.0	80.8
77	31.2	0.0	62.4

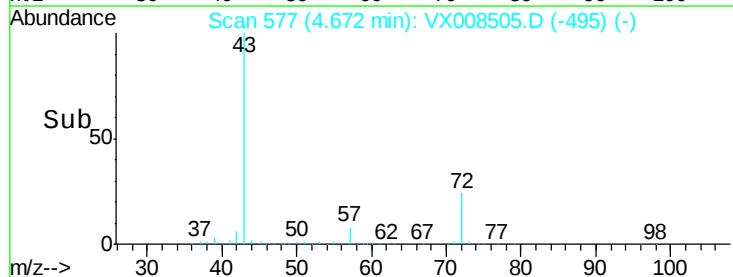
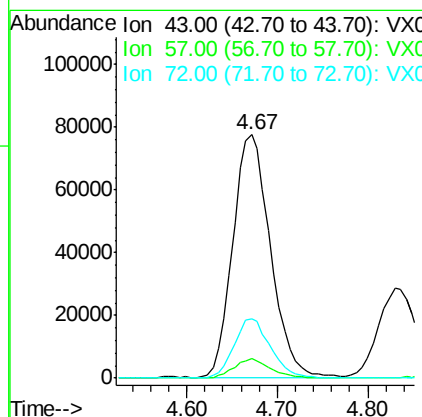
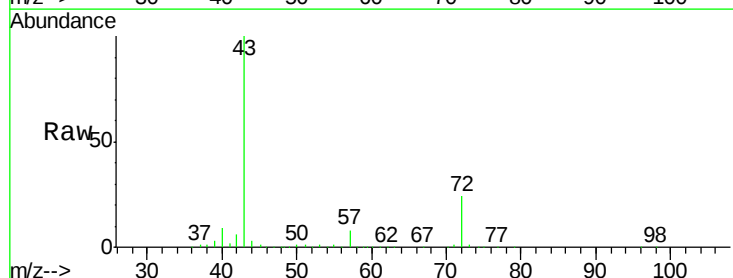
Manual Integrations
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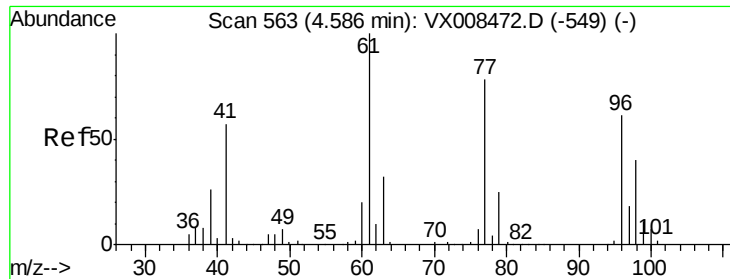
MMDadoda
 3/28/2019 9:35:20 AM



#30
 2-Butanone
 Concen: 89.605 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	7.0	10.6
72	23.8	21.5	32.3





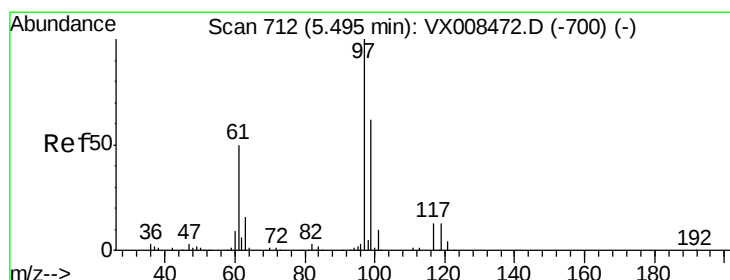
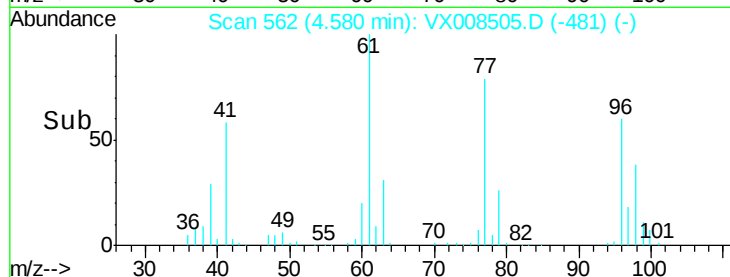
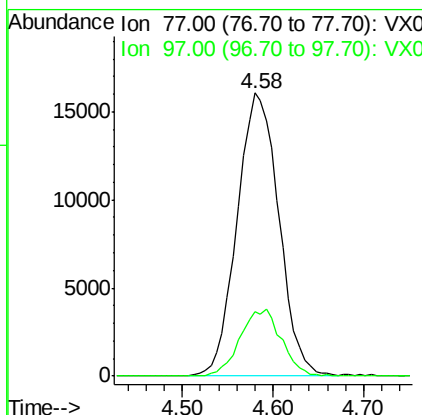
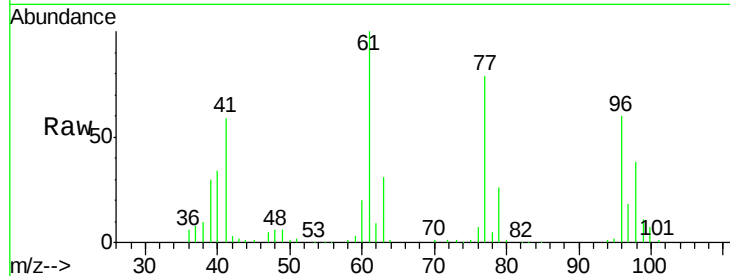
#31
 2,2-Dichloropropane
 Concen: 15.181 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 51243
 Ion Ratio Lower Upper
 77 100
 97 23.5 20.6 31.0

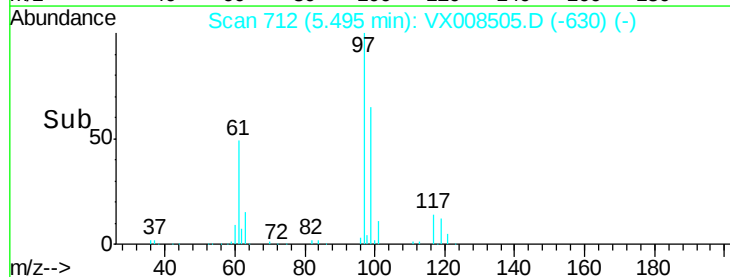
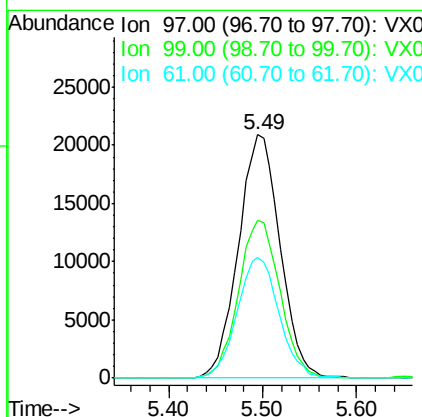
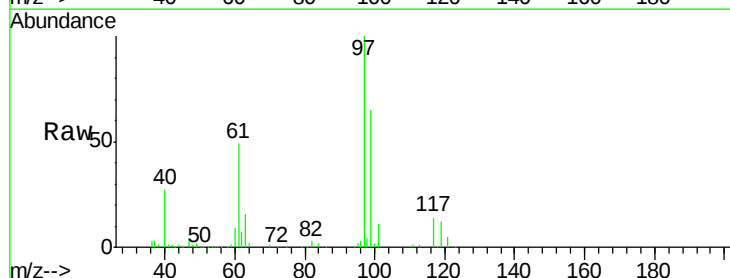
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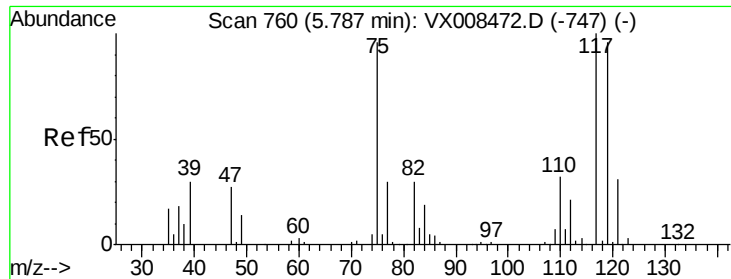
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#32
 1,1,1-Trichloroethane
 Concen: 18.464 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 97 Resp: 64801
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 49.7 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 17.900 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

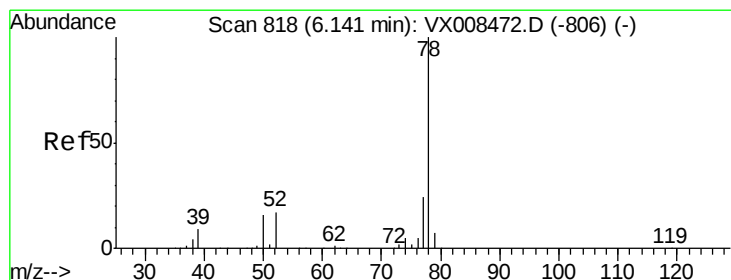
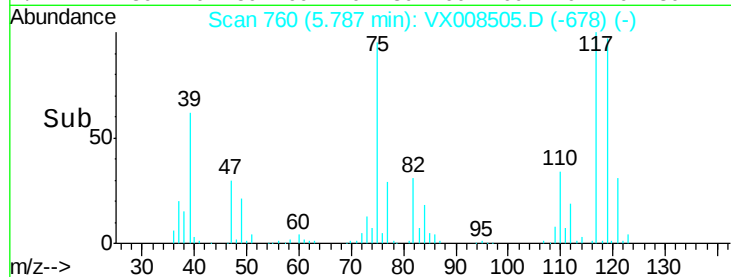
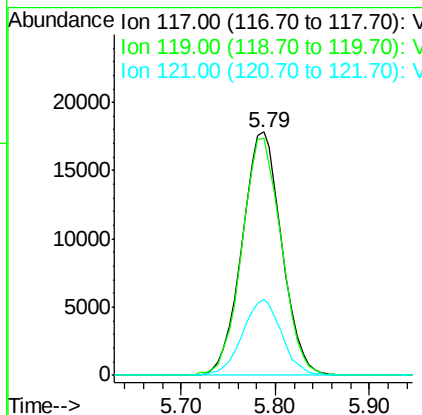
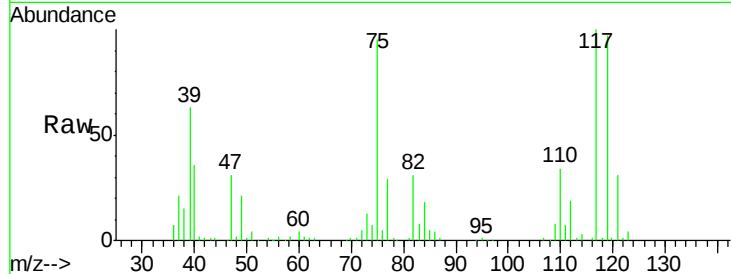
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.1	117.1
121	31.4	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 18.990 ug/l

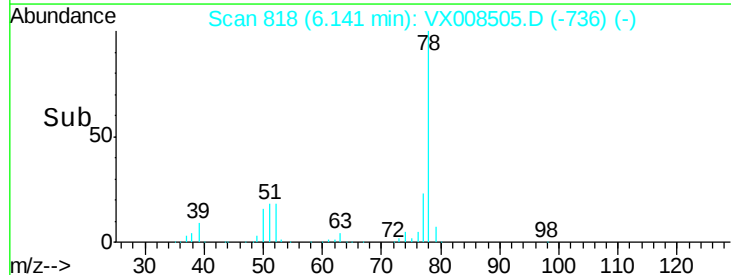
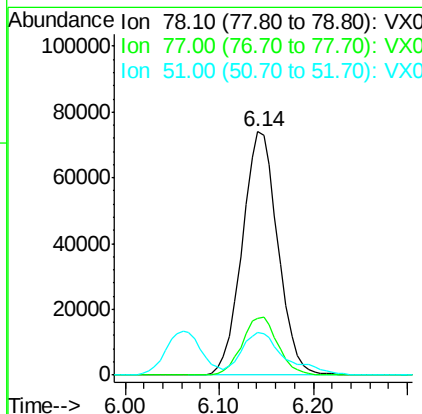
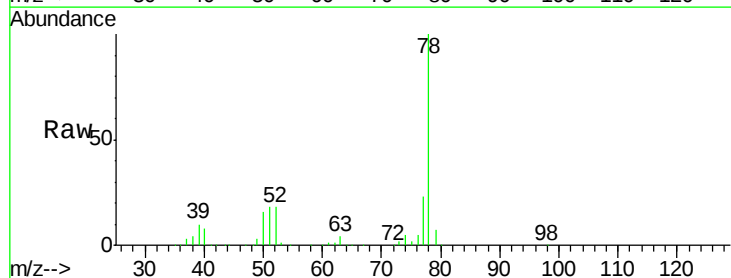
RT: 6.14 min Scan# 818

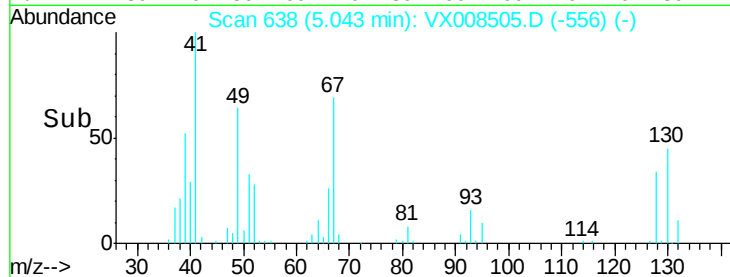
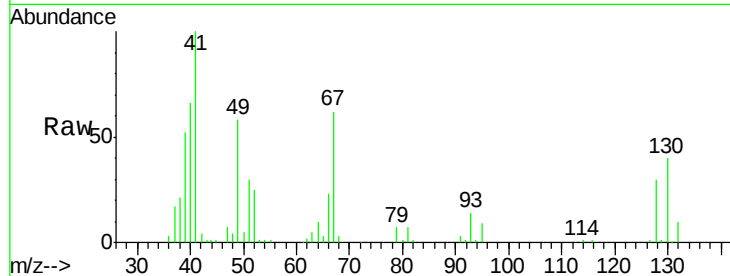
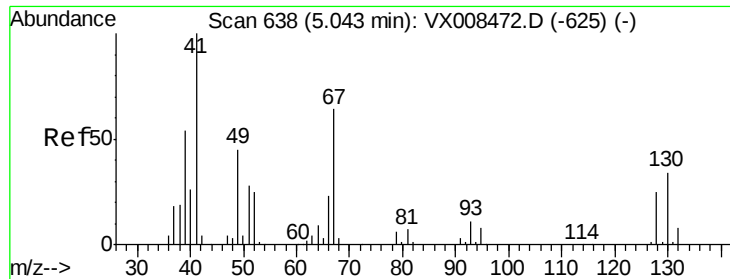
Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

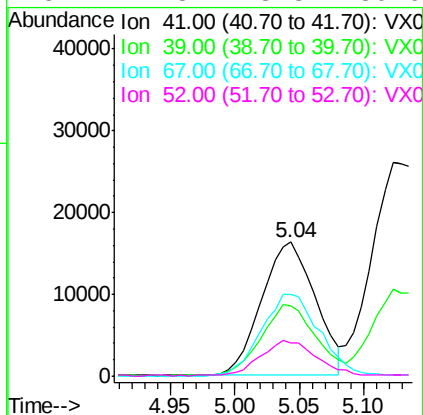
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7
51	16.9	10.8	16.2#





#35
Methacrylonitrile
Concen: 18.794 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

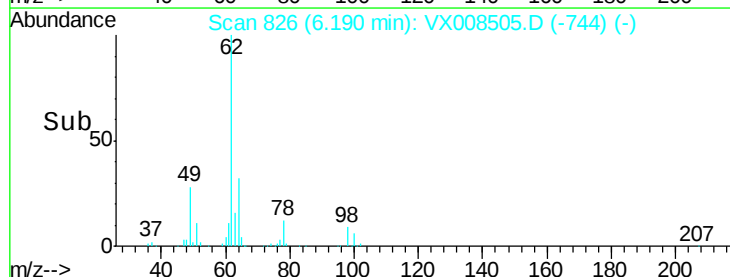
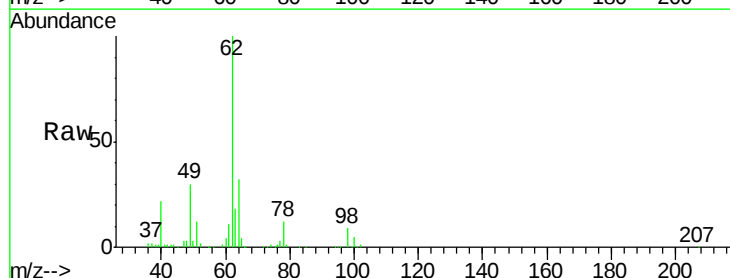
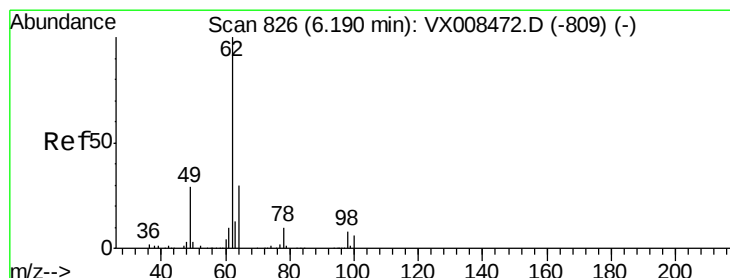
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	27.4	82.0	
67	62.0	37.9	113.6	
52	24.8	13.3	39.9	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

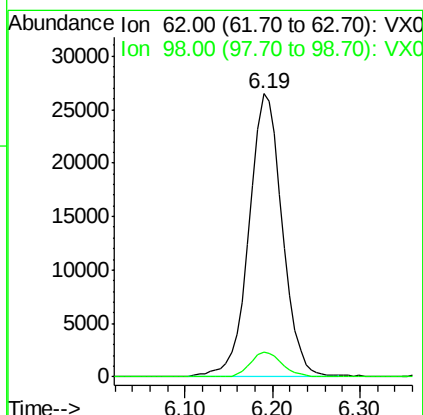
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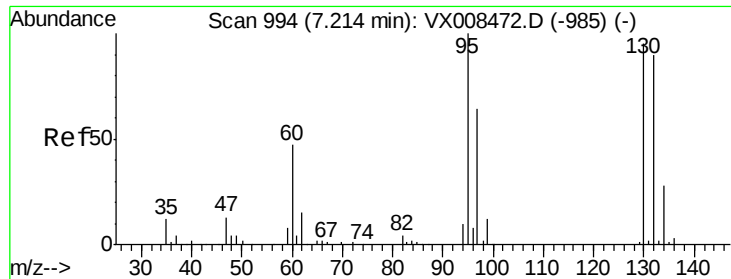
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3/28/2019 9:35:20 AM



#36
1,2-Dichloroethane
Concen: 19.079 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	7.8	11.8	





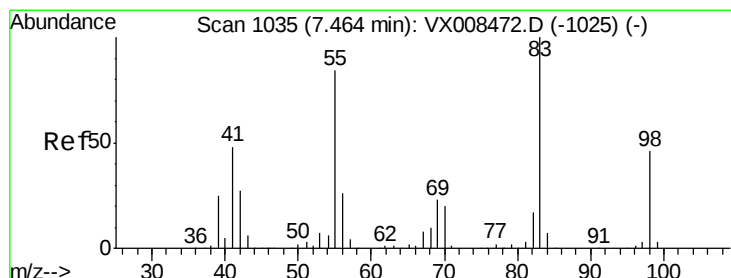
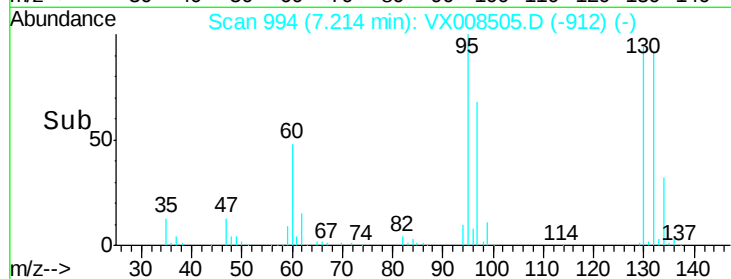
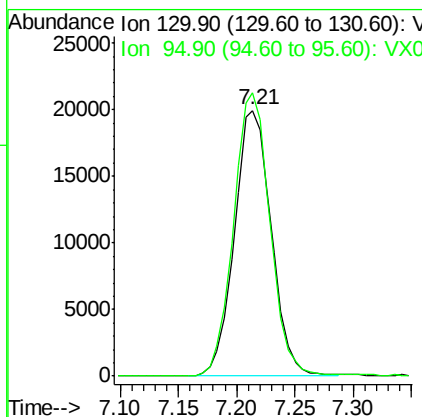
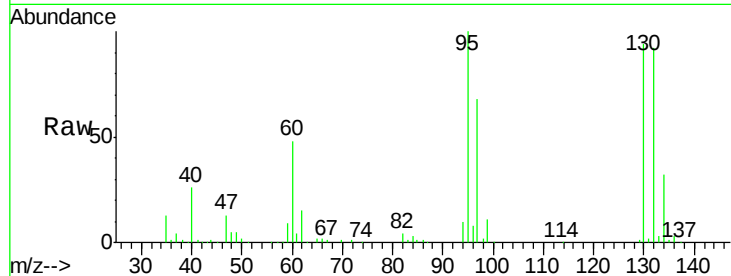
#37
 Trichloroethene
 Concen: 18.570 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 44120
 Ion Ratio Lower Upper
 130 100
 95 106.6 71.3 106.9

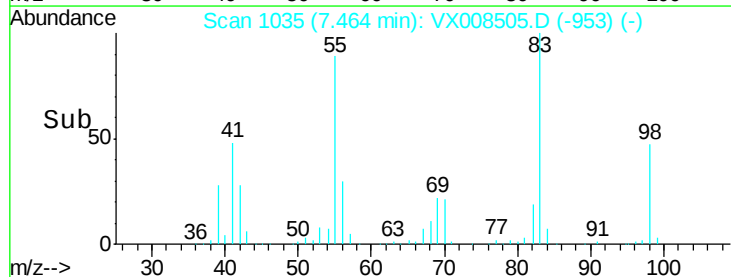
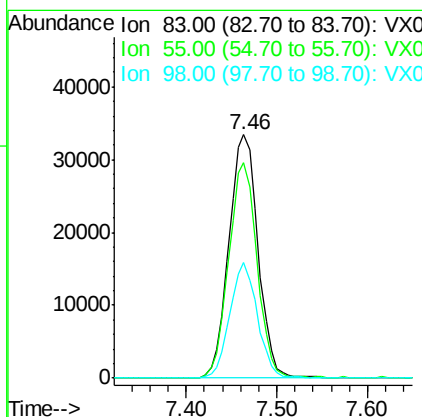
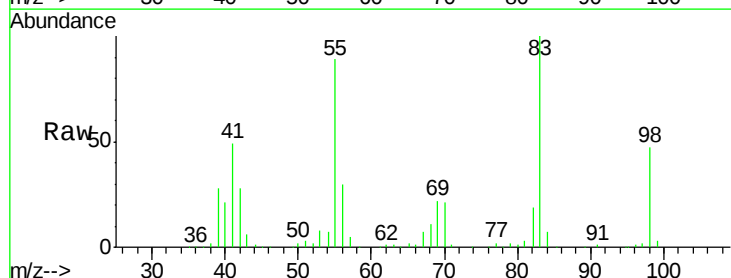
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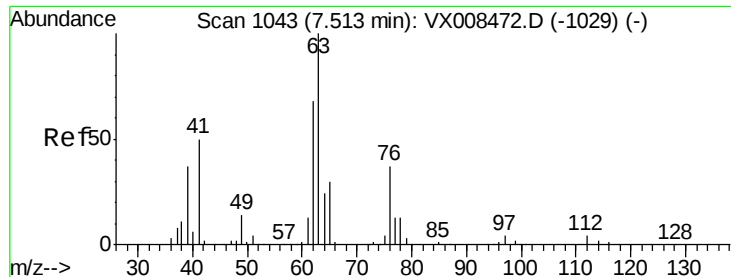
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#38
 Methylcyclohexane
 Concen: 17.552 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 83 Resp: 74750
 Ion Ratio Lower Upper
 83 100
 55 85.6 36.0 108.0
 98 45.0 23.8 71.4





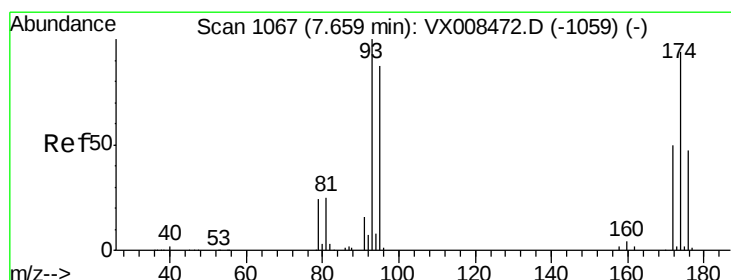
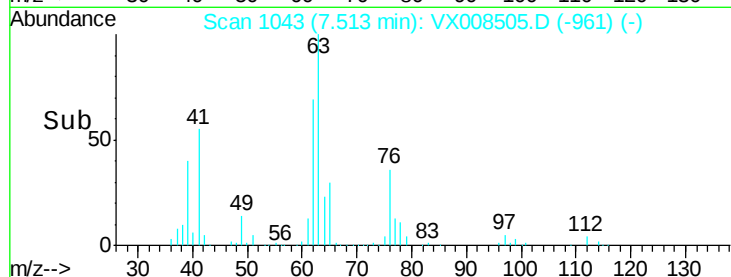
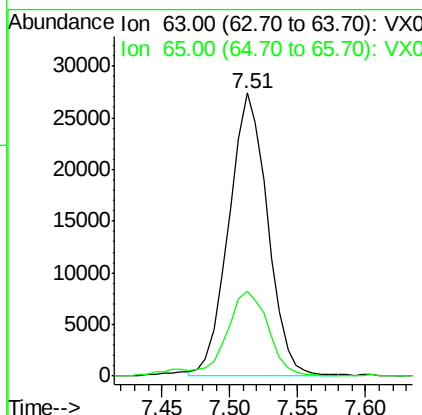
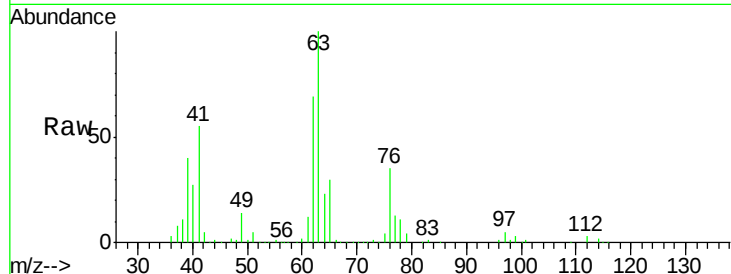
#39
 1,2-Dichloropropane
 Concen: 18.604 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 54514
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0

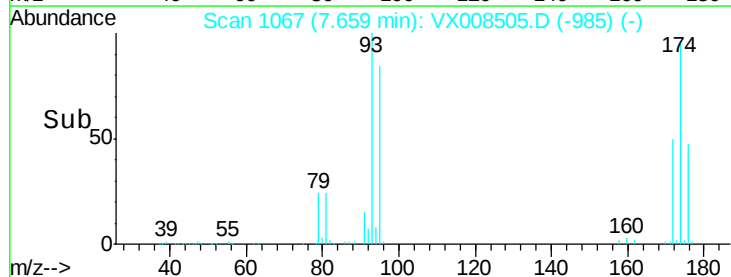
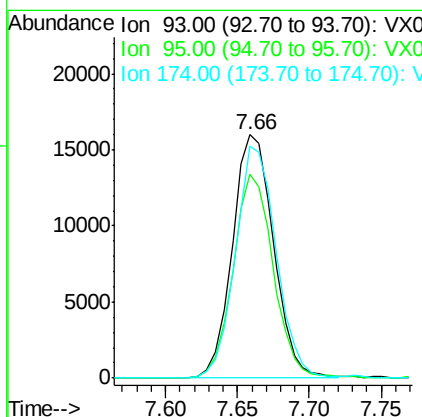
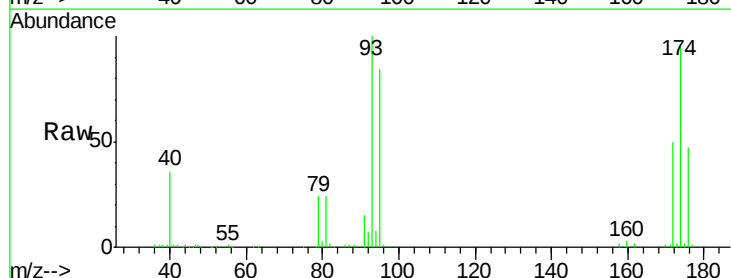
Manual Integrations
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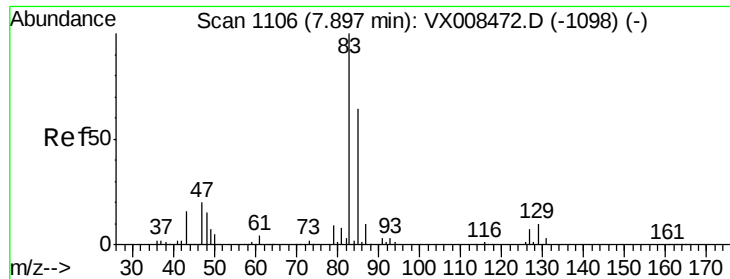
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#40
 Dibromomethane
 Concen: 18.777 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 93 Resp: 31872
 Ion Ratio Lower Upper
 93 100
 95 81.8 0.0 158.8
 174 93.6 0.0 224.2





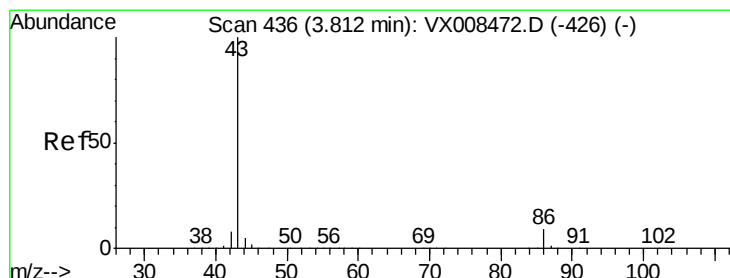
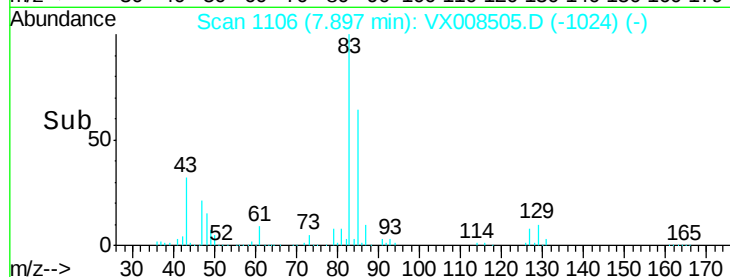
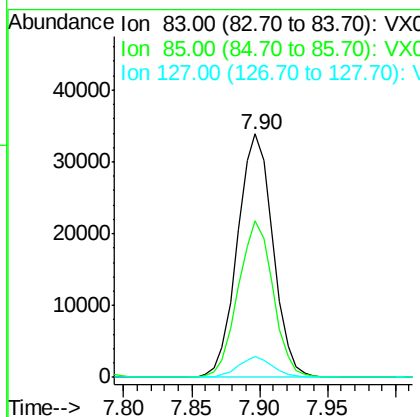
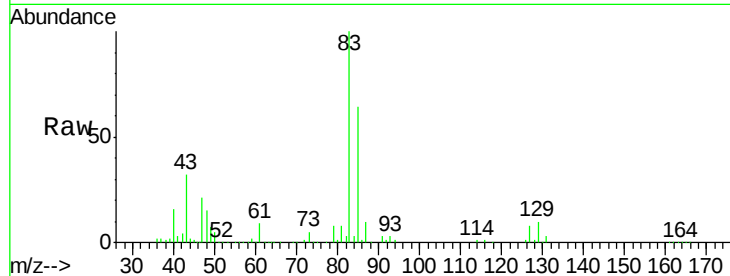
#41
Bromodichloromethane
Concen: 18.526 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	61833
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.4	7.2	10.8

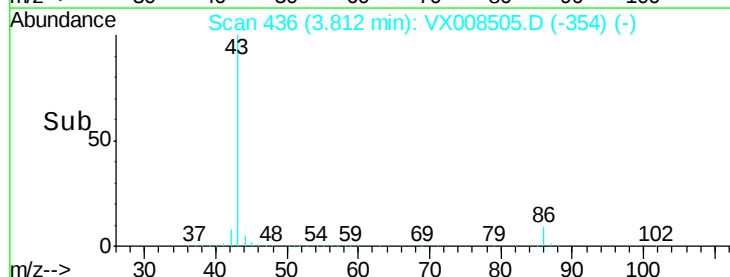
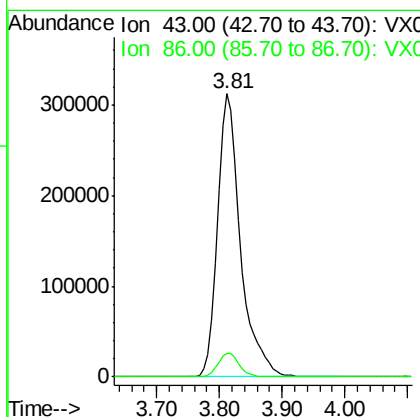
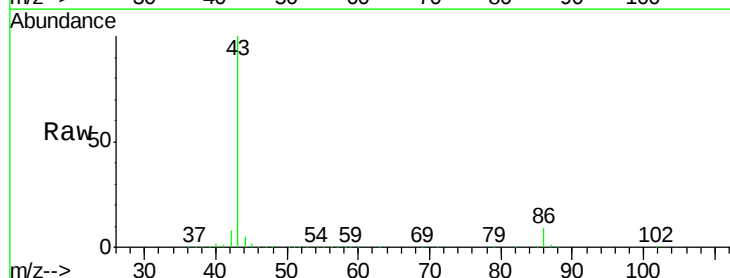
Manual Integrations
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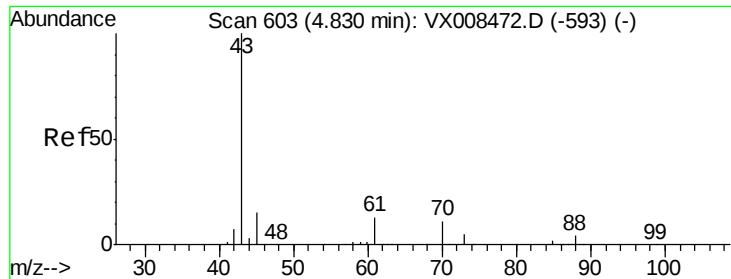
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#42
Vinyl Acetate
Concen: 93.894 ug/l
RT: 3.81 min Scan# 436
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	43	Resp	791034
Ion Ratio	100	Lower	Upper
43	100		
86	7.8	8.2	12.2#





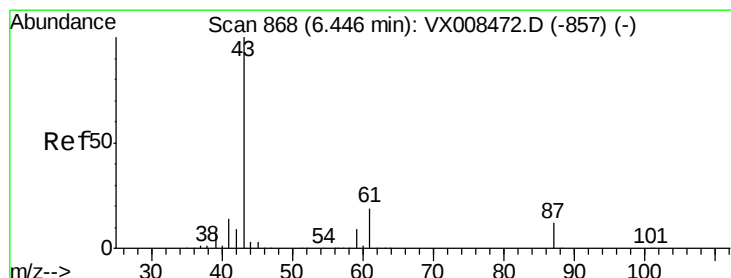
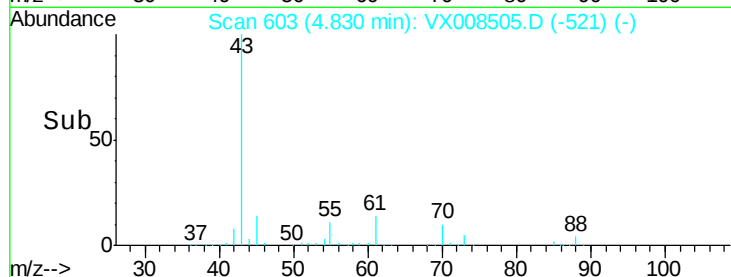
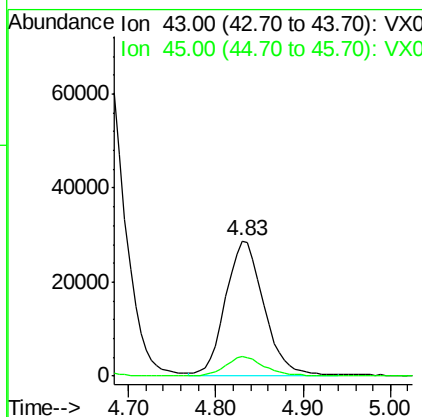
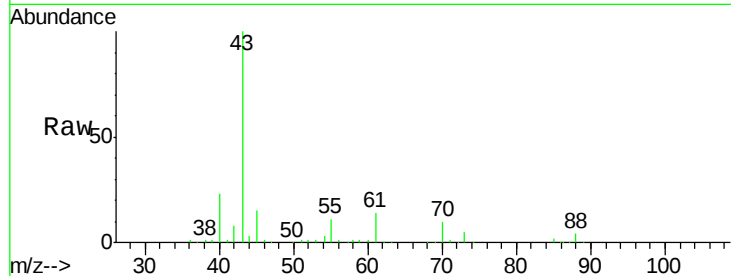
#43
Ethyl Acetate
Concen: 19.292 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020EC

Tot Ion: 43 Resp: 86294
Ion Ratio Lower Upper
43 100
45 15.1 6.9 10.3#

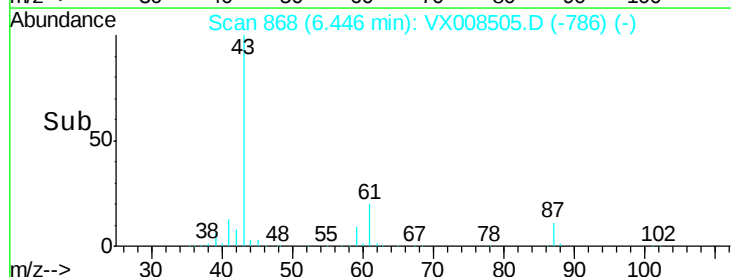
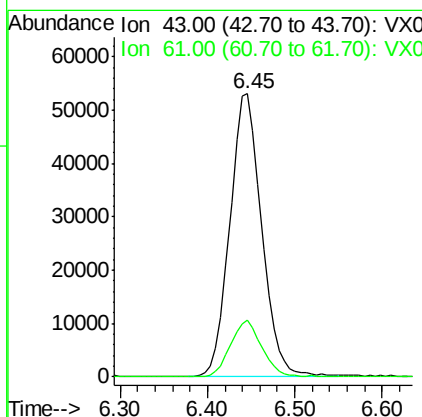
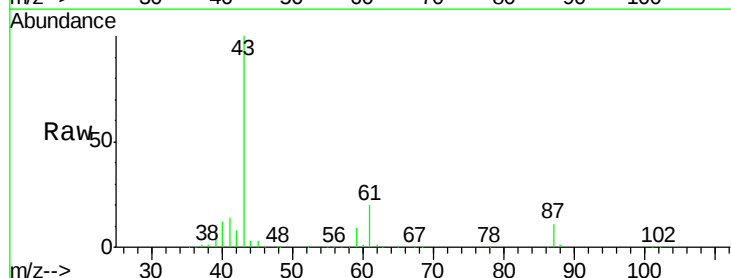
Manual Integrations
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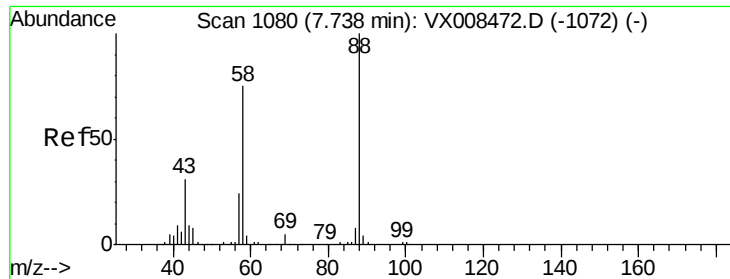
MMDadoda
3/28/2019 9:35:20 AM



#44
Isopropyl Acetate
Concen: 18.486 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 43 Resp: 133709
Ion Ratio Lower Upper
43 100
61 19.7 16.1 24.1





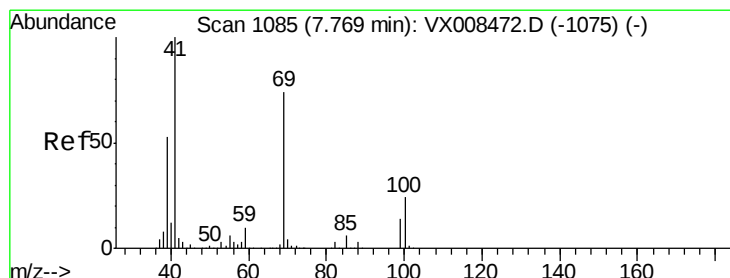
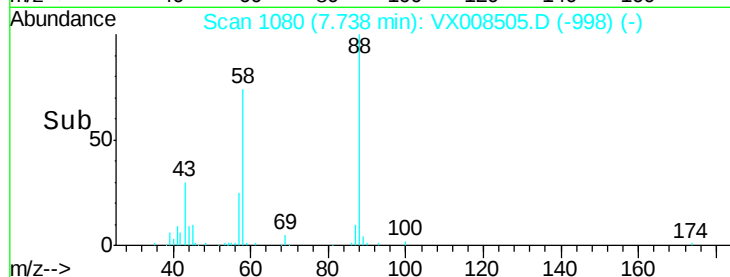
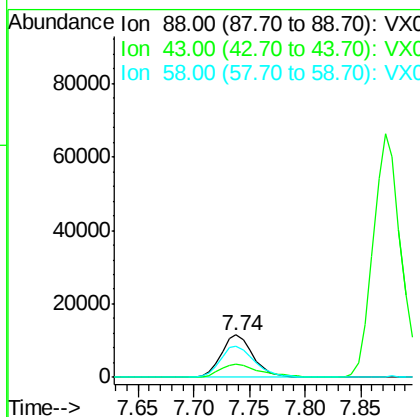
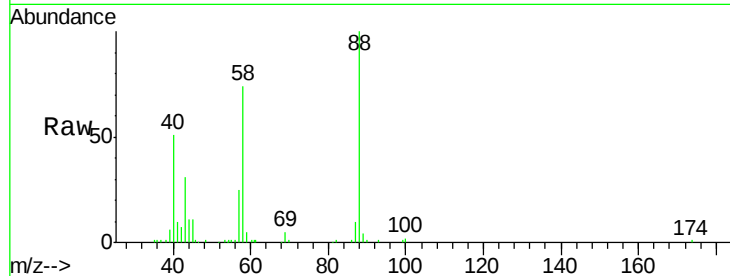
#45
 1,4-Dioxane
 Concen: 317.560 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	23.6	35.4#
58	79.6	51.6	77.4#

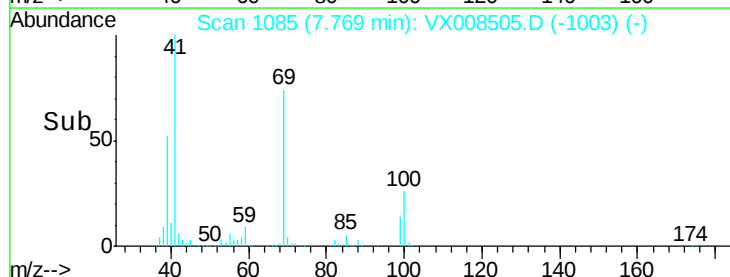
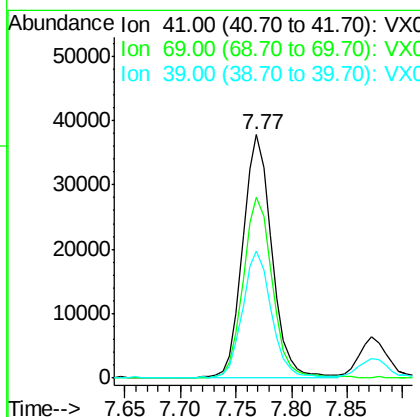
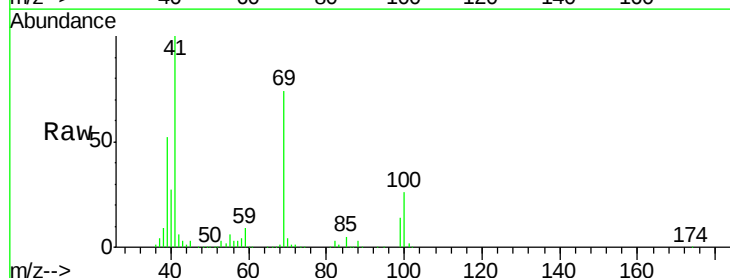
Manual Integrations
 APPROVED

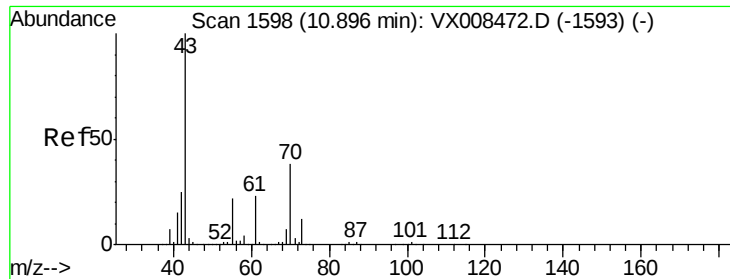
MMDadoda
 3/28/2019 9:35:20 AM



#46
 Methyl methacrylate
 Concen: 18.538 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.4	44.2	132.6
39	52.1	29.9	89.8





#47

n-amvl Acetate

Concen: 18.220 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 119704

Ion Ratio Lower Upper

43 100

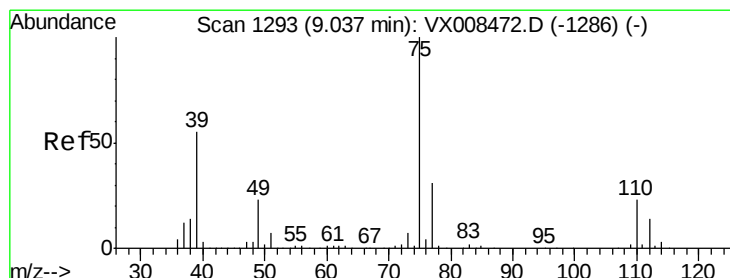
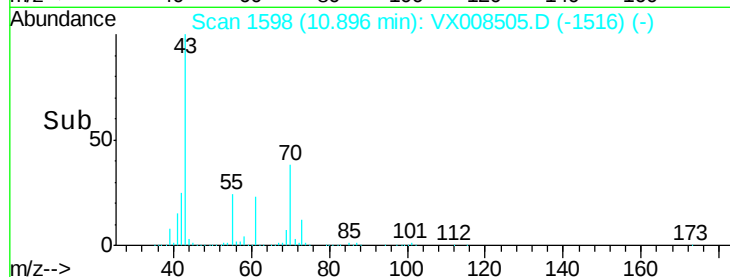
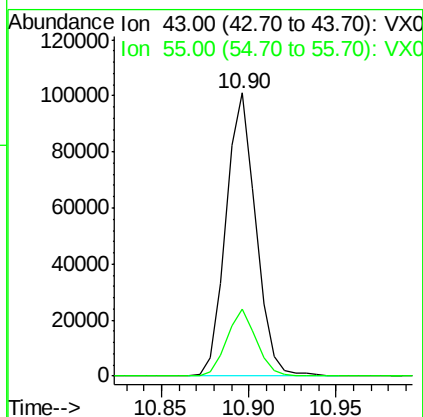
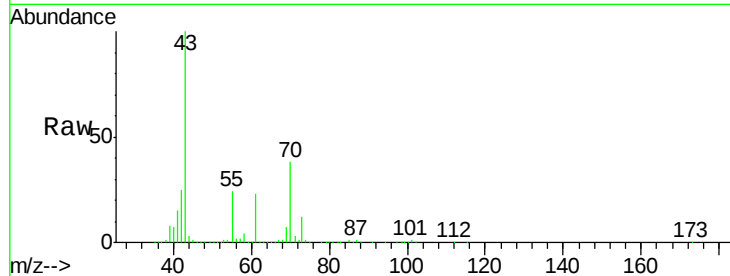
55 23.7 20.8 31.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 16.845 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008505.D

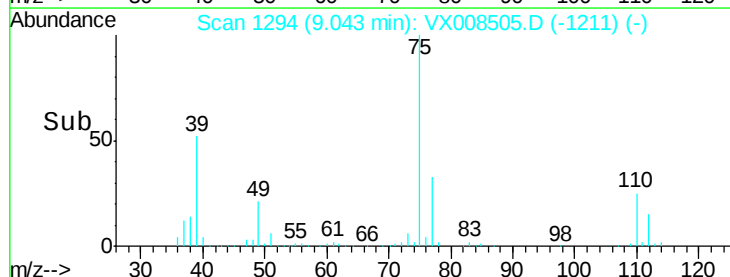
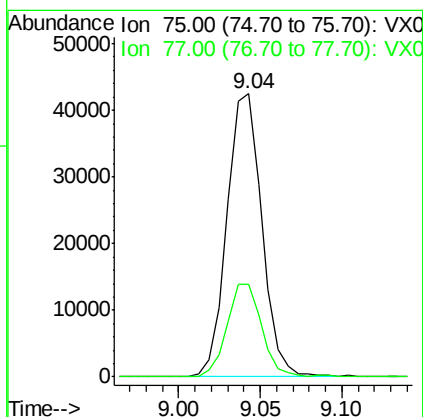
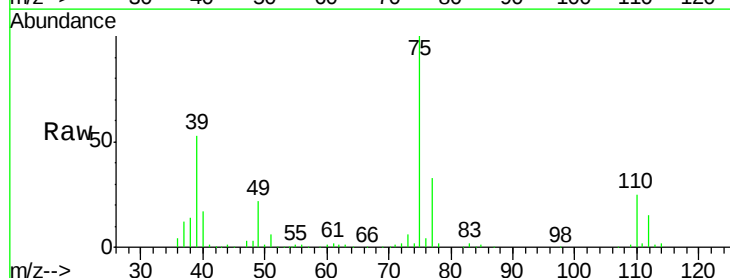
Acq: 27 Mar 2019 23:59

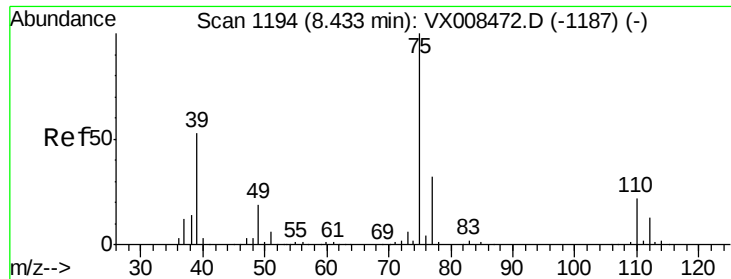
Tgt Ion: 75 Resp: 63504

Ion Ratio Lower Upper

75 100

77 32.7 24.5 36.7





#49

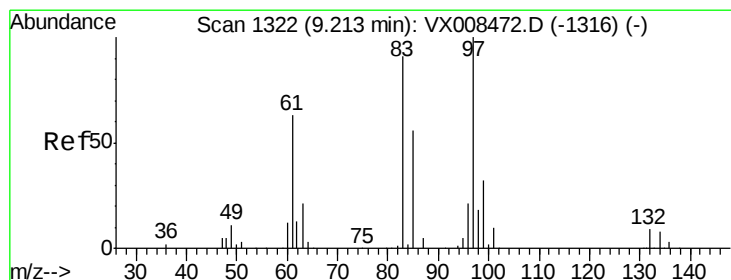
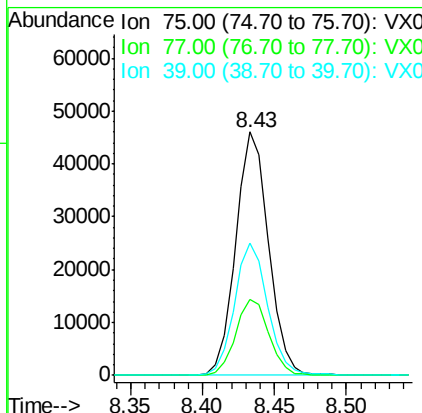
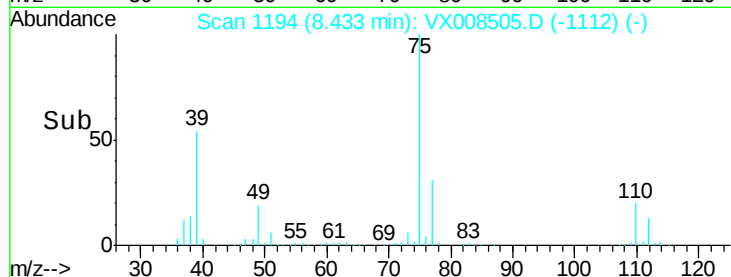
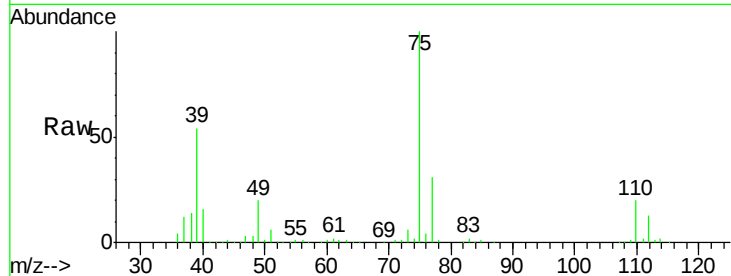
cis-1,3-Dichloropropene
Concen: 17.378 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	53.8	38.5	57.7

Manual Integrations
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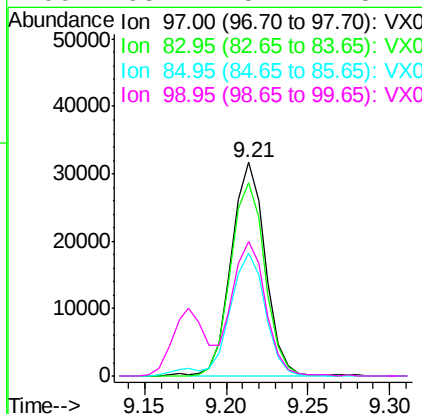
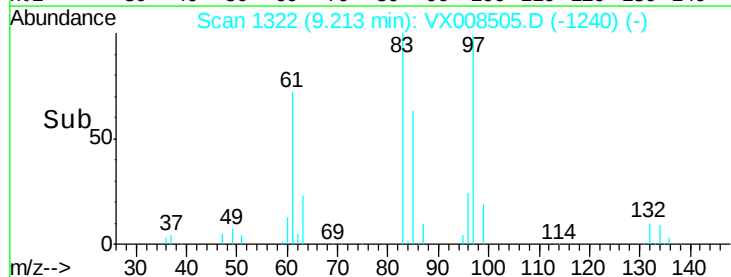
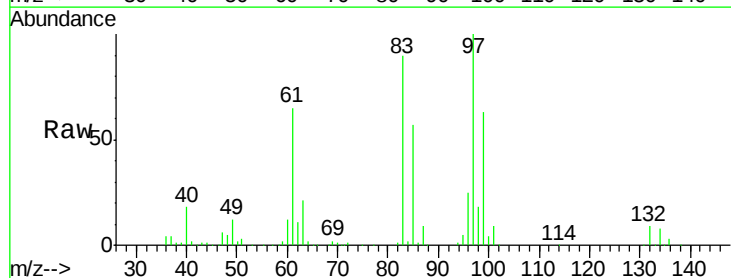
MMDadoda
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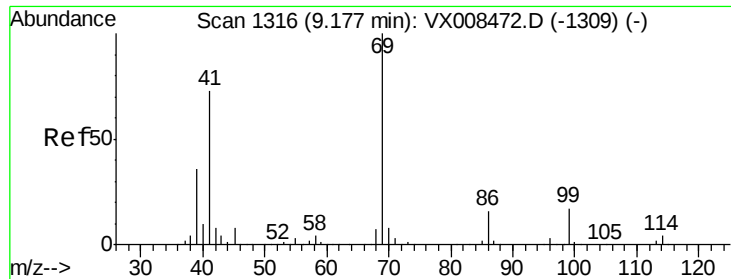


#50

1,1,2-Trichloroethane
Concen: 18.271 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.0	108.0
85	57.3	45.0	67.6
99	63.1	54.2	81.4





#51

Ethyl methacrylate

Concen: 18.221 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

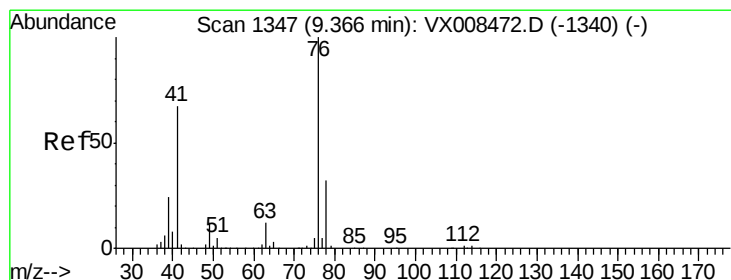
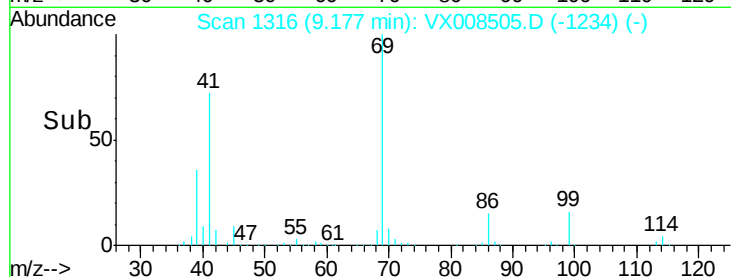
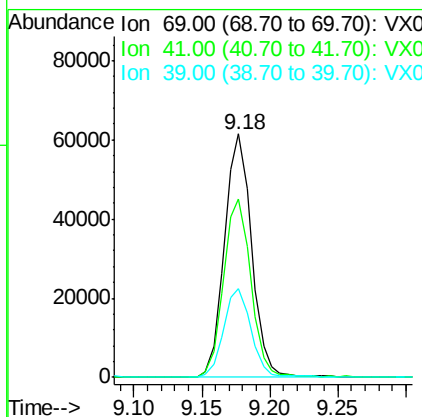
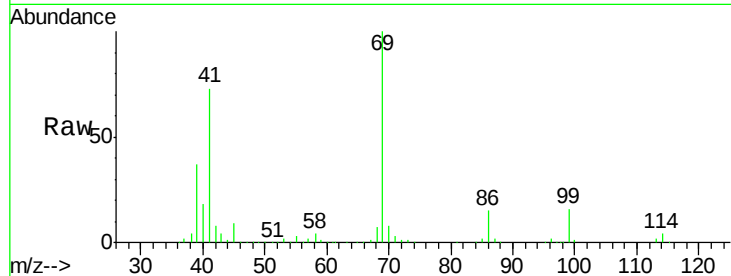
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	85463
Ion	Ratio	Lower	Upper
69	100		
41	73.3	32.1	96.5
39	36.5	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.871 ug/l

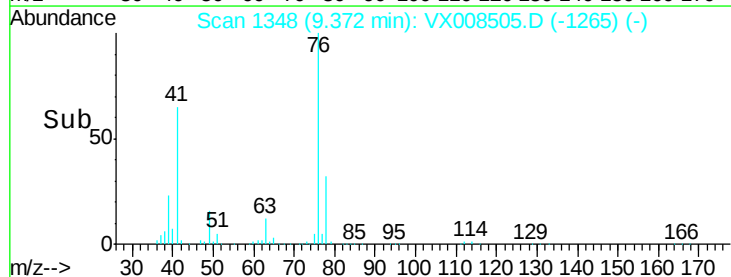
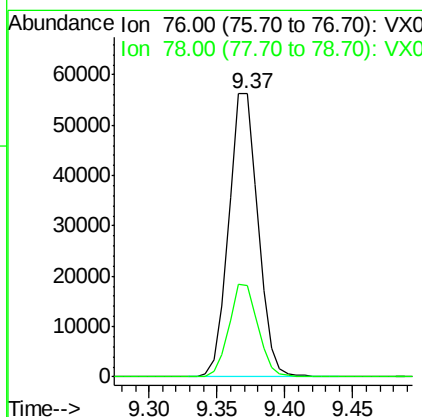
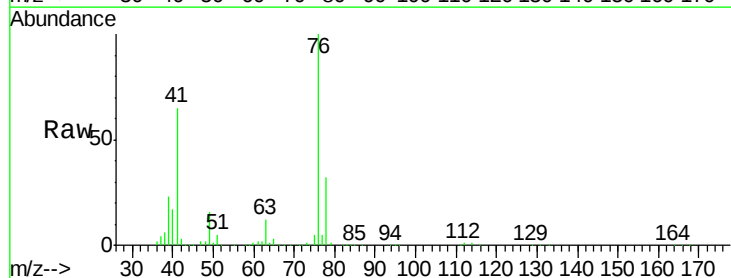
RT: 9.37 min Scan# 1348

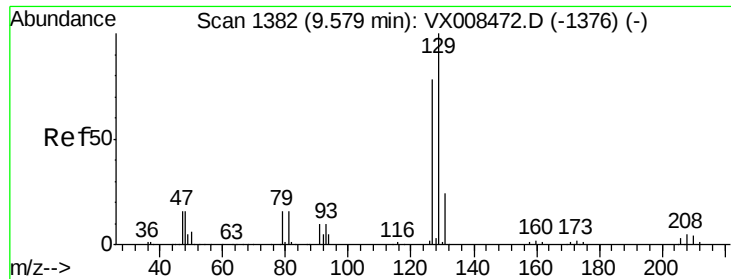
Delta R.T. 0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Tgt Ion:	76	Resp:	84619
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	65.2





#53

Dibromochloromethane

Concen: 17.666 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 43816

Ion Ratio Lower Upper

129 100

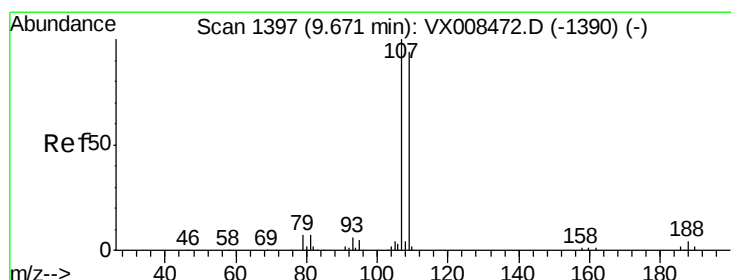
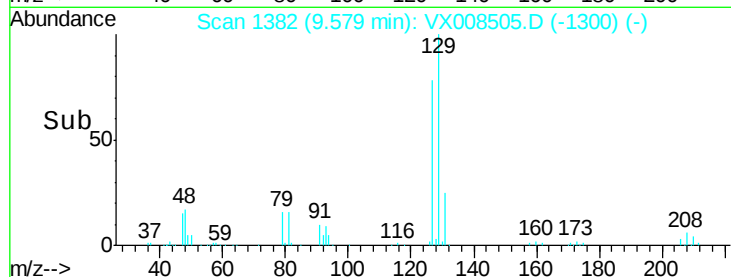
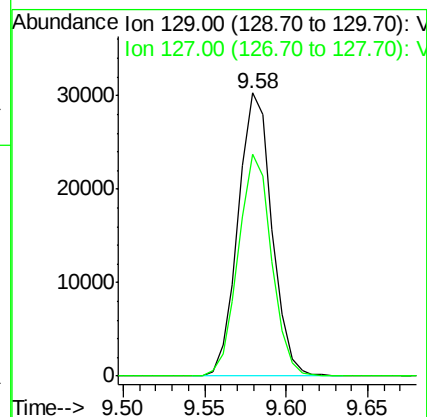
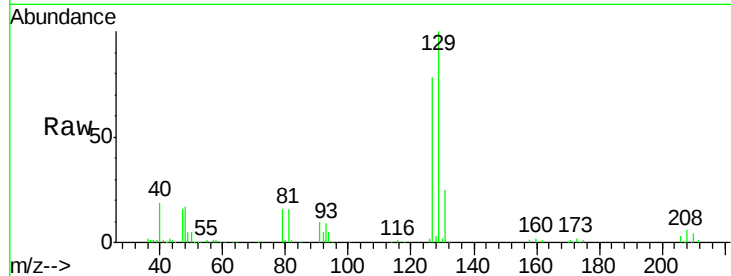
127 77.1 38.4 115.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 18.641 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008505.D

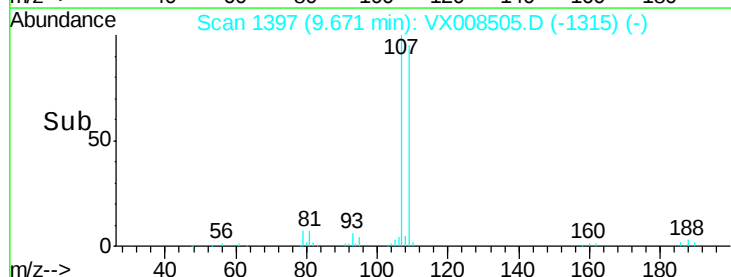
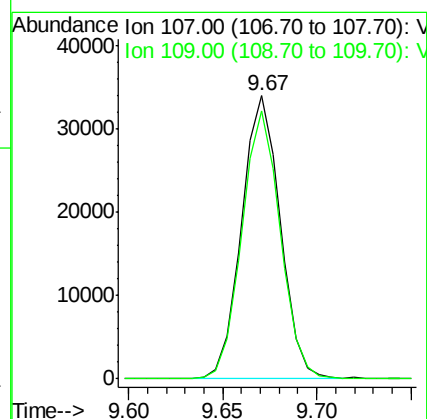
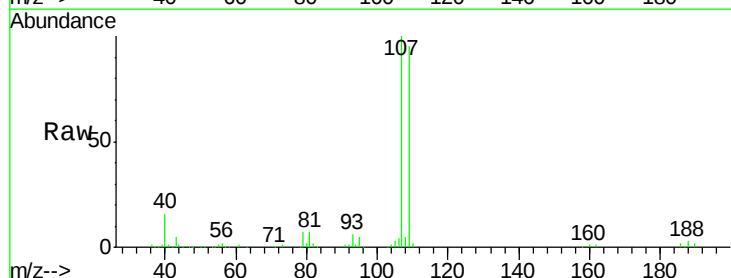
Acq: 27 Mar 2019 23:59

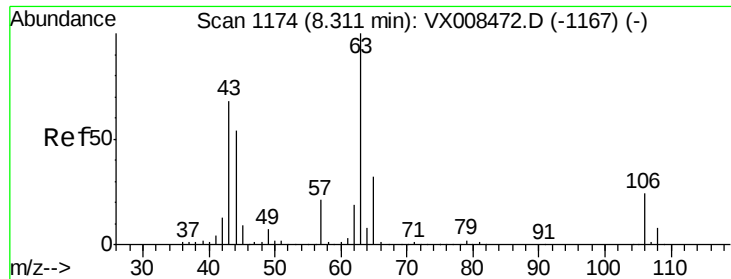
Tgt Ion:107 Resp: 48432

Ion Ratio Lower Upper

107 100

109 94.3 76.6 115.0





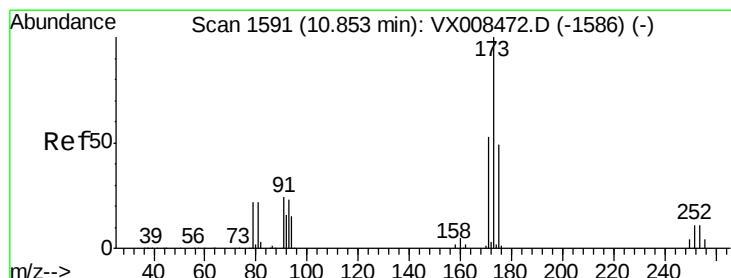
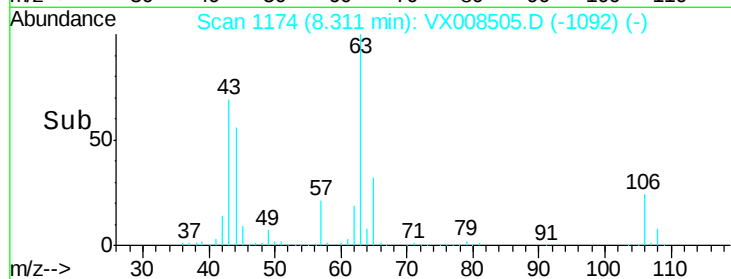
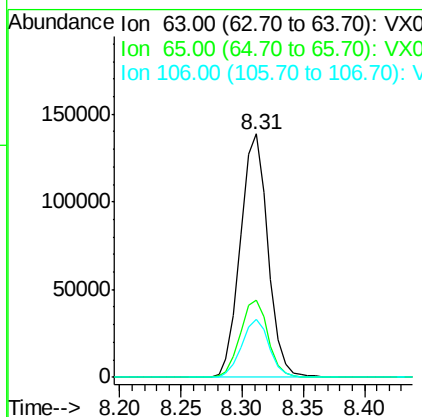
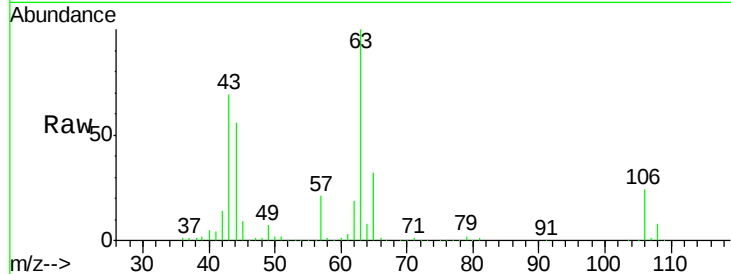
#55
2-Chloroethyl vinyl ether
Concen: 91.486 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.7	38.5
106	23.9	23.7	35.5

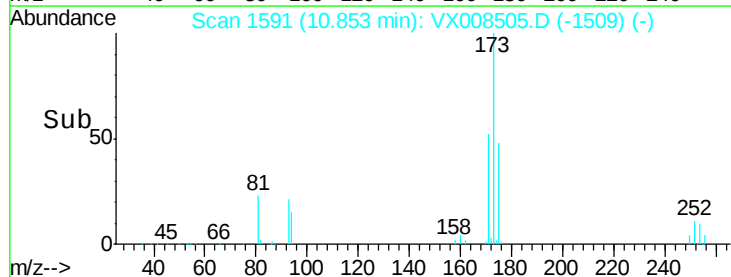
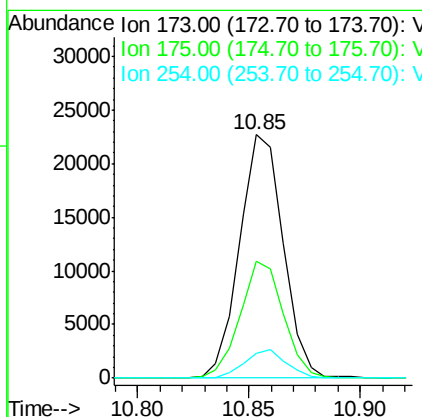
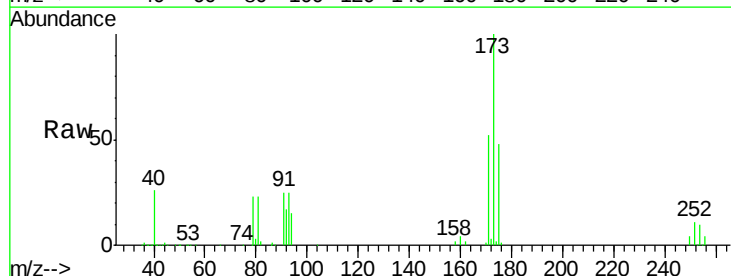
Manual Integrations
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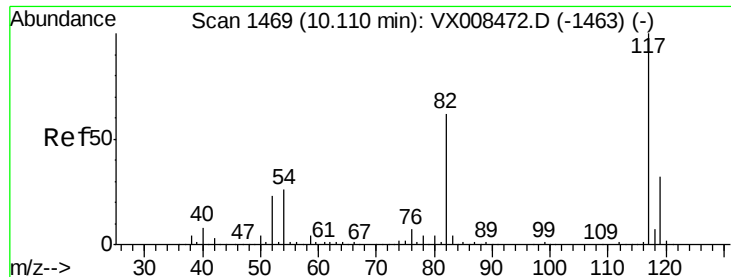
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#56
Bromoform
Concen: 17.188 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	38.5	57.7
254	11.1	7.4	11.2





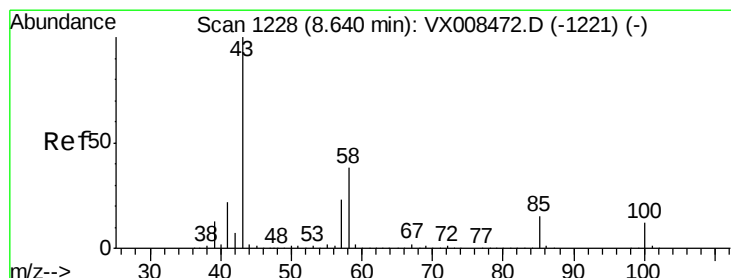
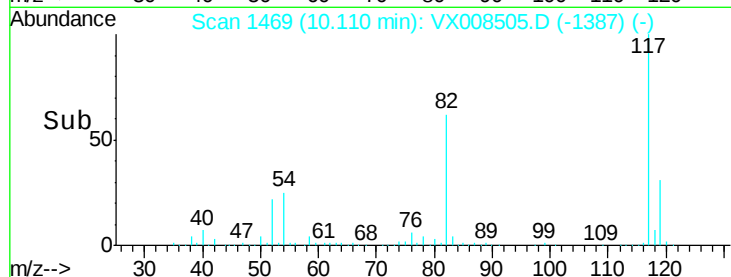
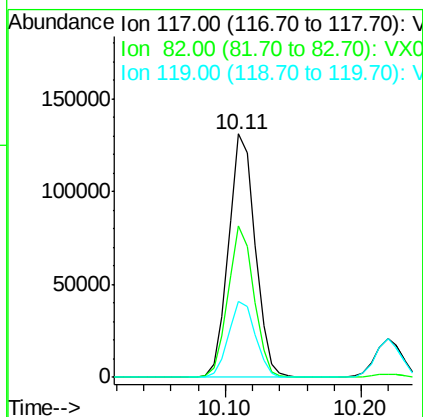
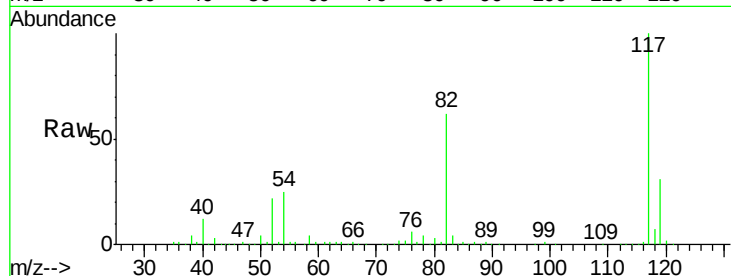
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	40.4	60.6
119	31.7	25.8	38.6

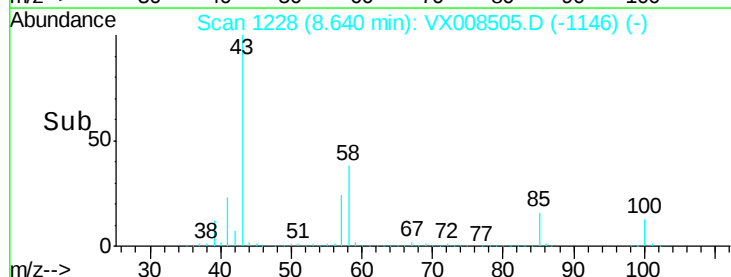
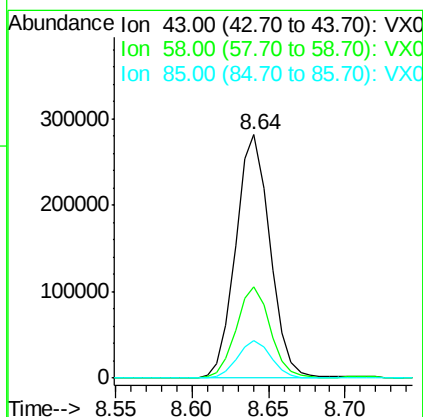
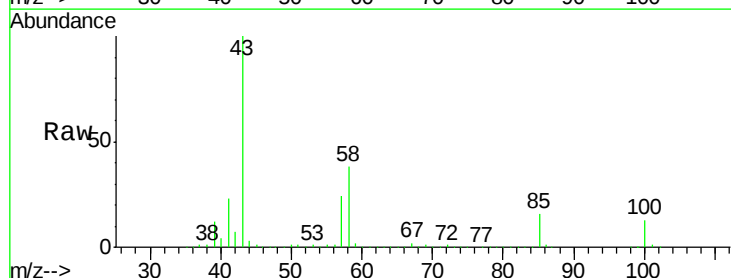
Manual Integrations
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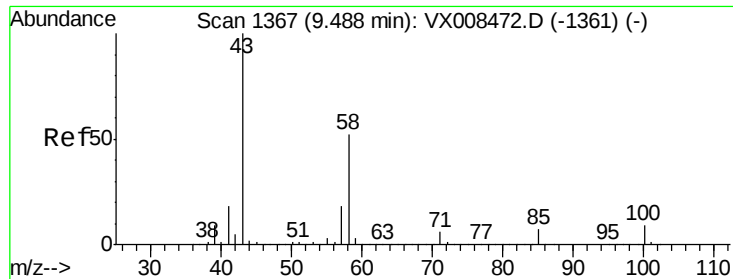
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 93.131 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	31.4	47.0
85	15.3	15.0	22.6





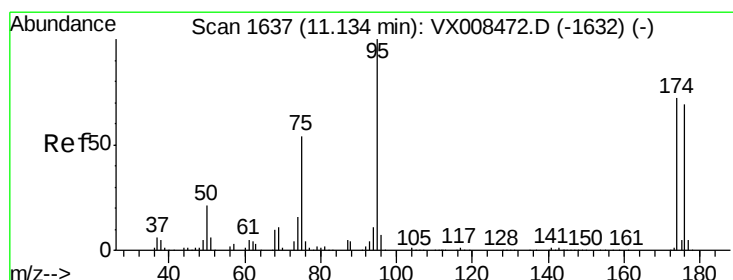
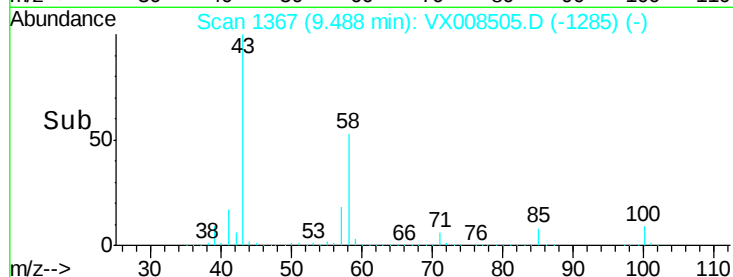
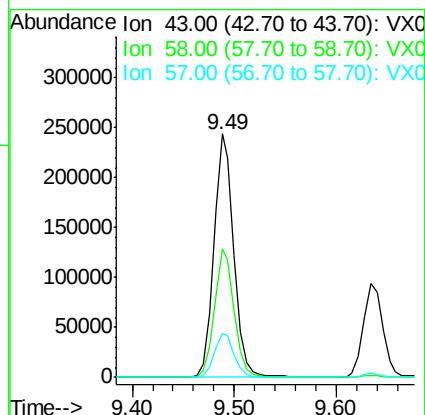
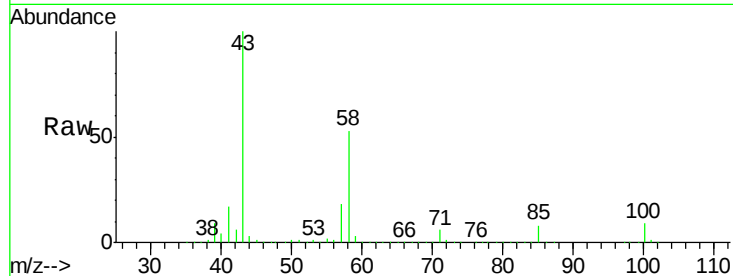
#59
2-Hexanone
Concen: 89.685 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.9	65.9
57	18.2	14.9	22.3

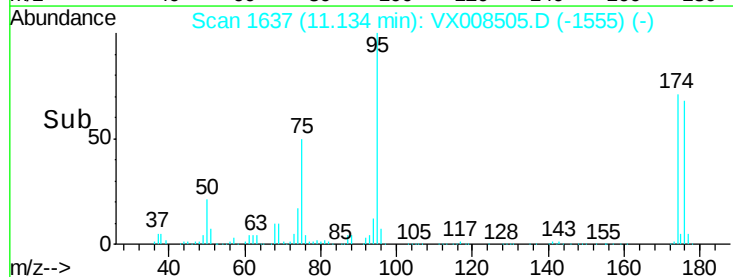
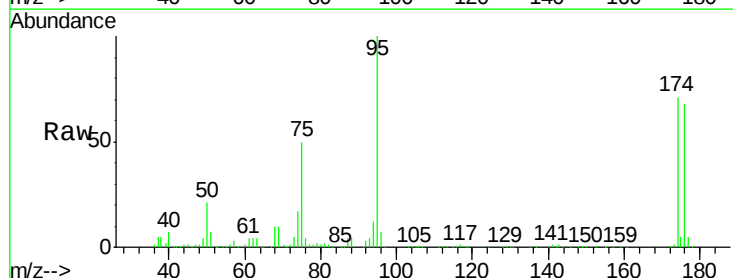
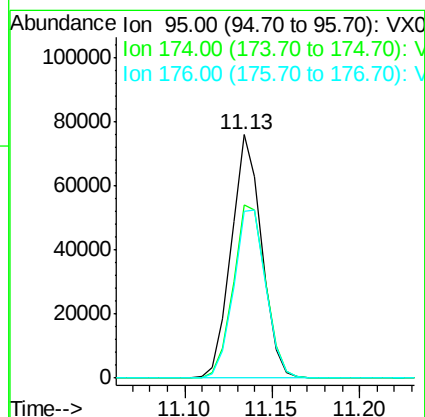
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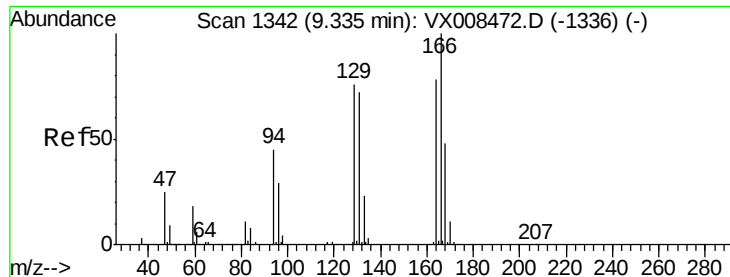
MMDadoda
3/28/2019 9:35:20 AM



#60
4-Bromofluorobenzene
Concen: 29.375 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	74.9	112.3
176	73.7	70.7	106.1





#61

Tetrachloroethene

Concen: 18.782 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 36676

Ion Ratio Lower Upper

164 100

166 123.8 103.9 155.9

129 90.5 74.7 112.1

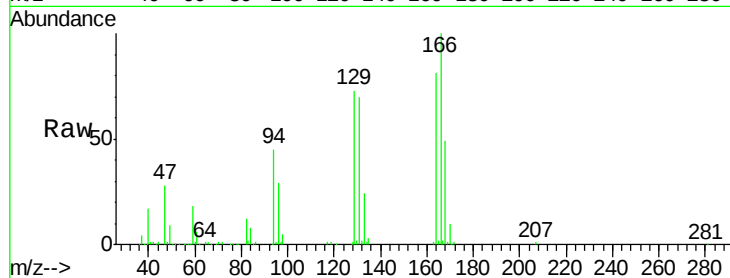
131 86.5 71.7 107.5

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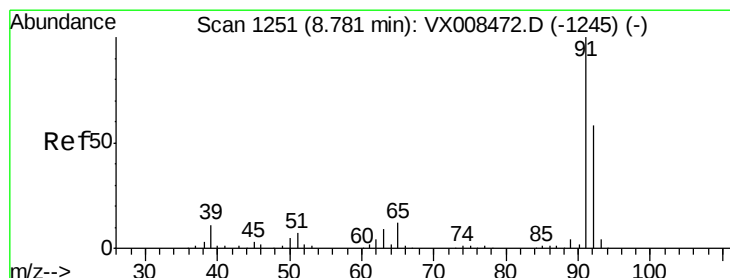
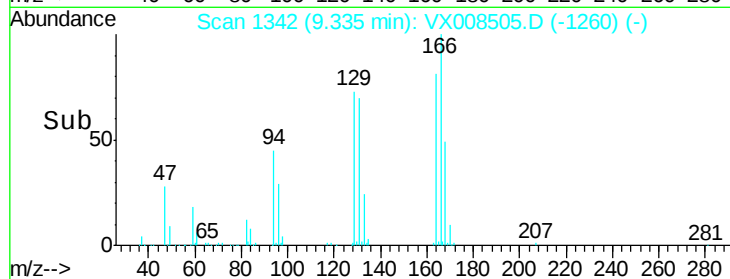
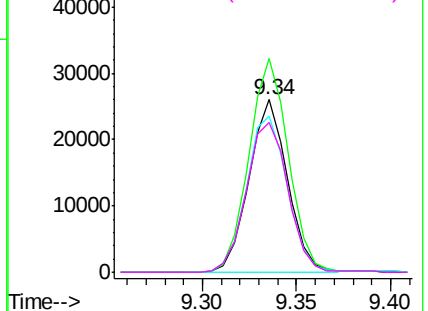


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.646 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008505.D

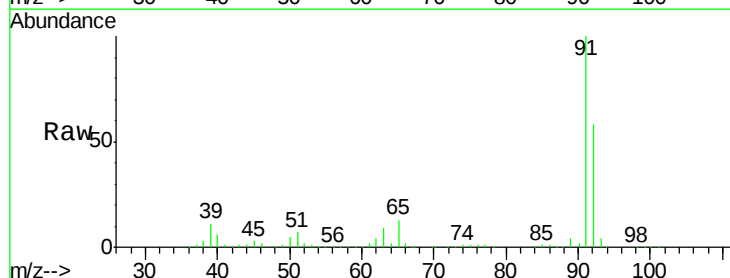
Acq: 27 Mar 2019 23:59

Tgt Ion: 91 Resp: 201538

Ion Ratio Lower Upper

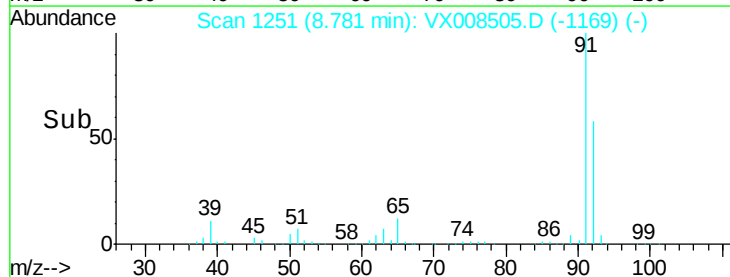
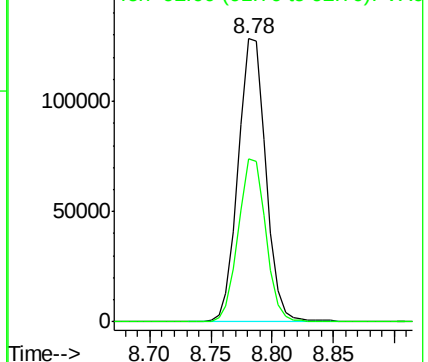
91 100

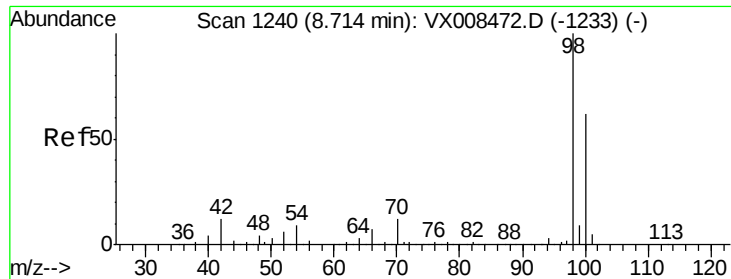
92 57.6 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





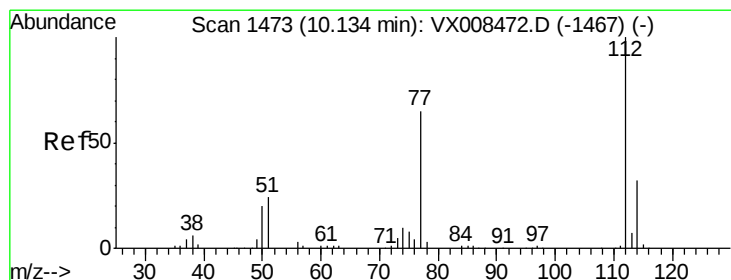
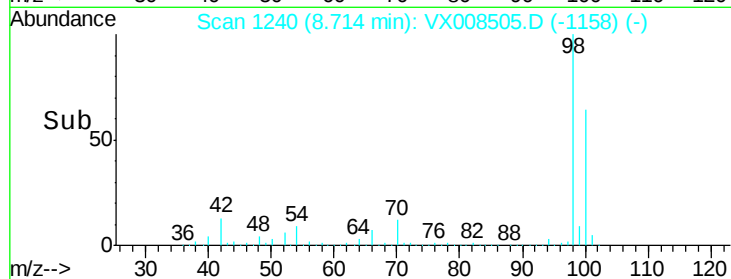
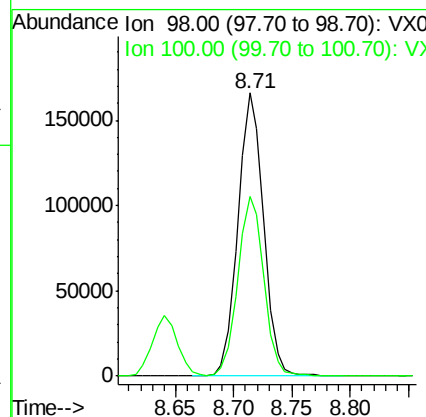
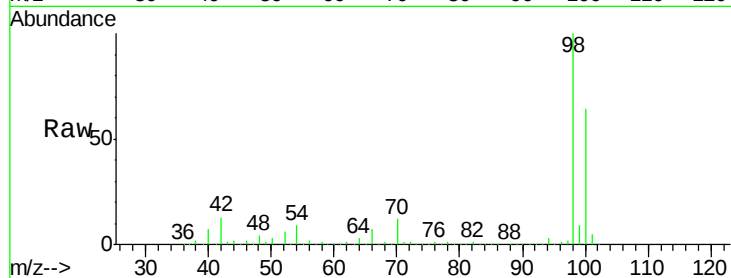
#63
Toluene-d8
Concen: 30.199 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 255908
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

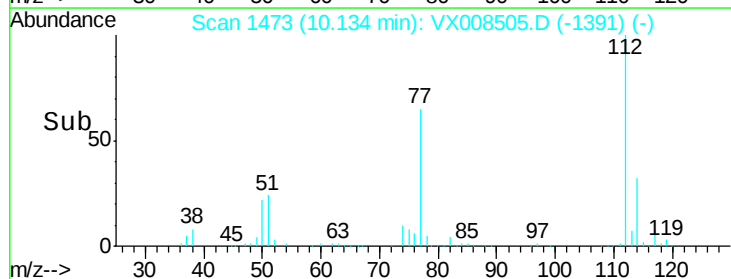
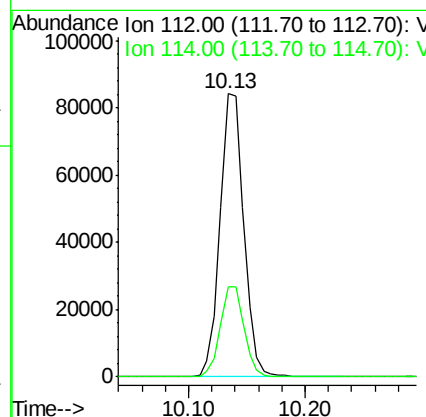
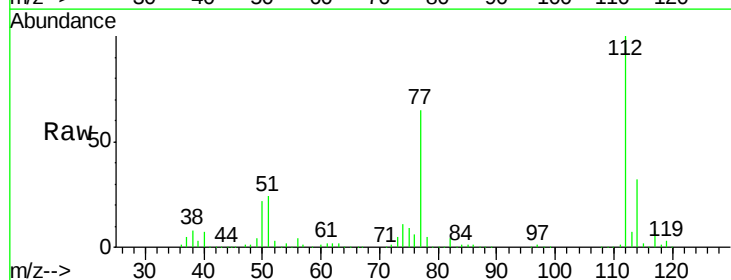
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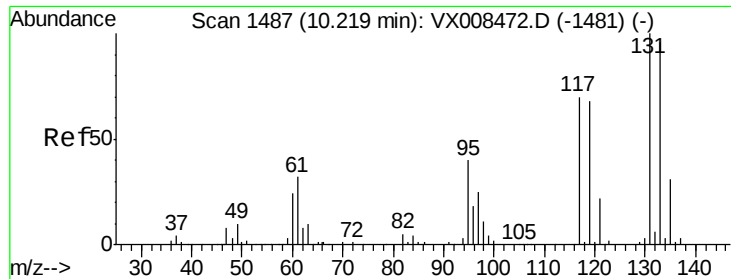
MMDadoda
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#64
Chlorobenzene
Concen: 18.599 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 112 Resp: 117793
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.278 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

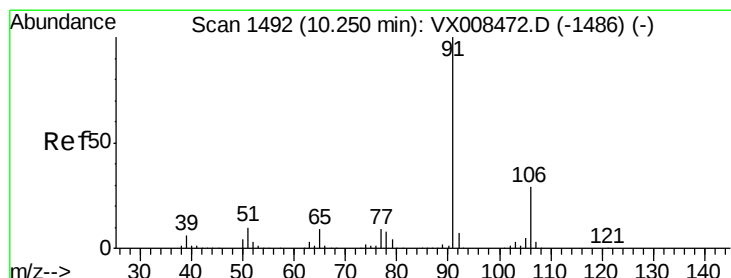
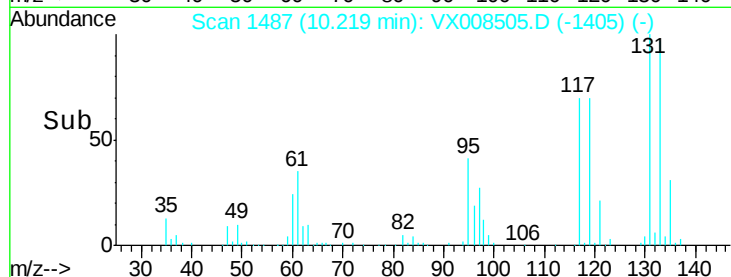
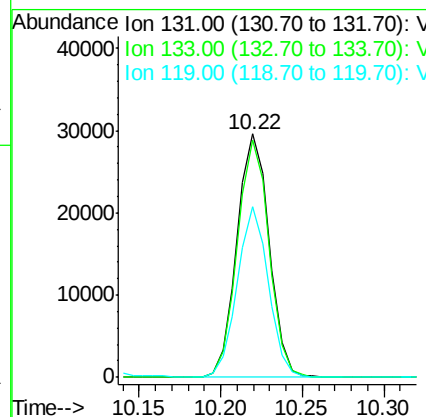
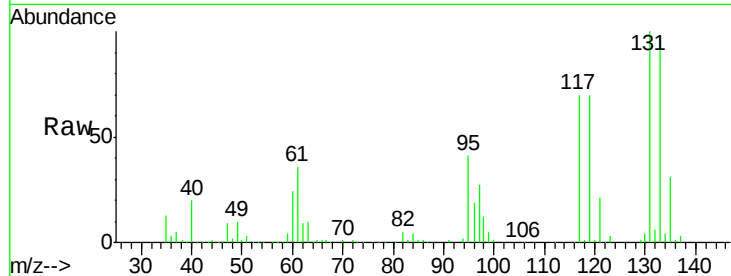
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	40814
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	191.6
119	67.6	0.0	127.4

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#66

Ethyl Benzene

Concen: 18.533 ug/l

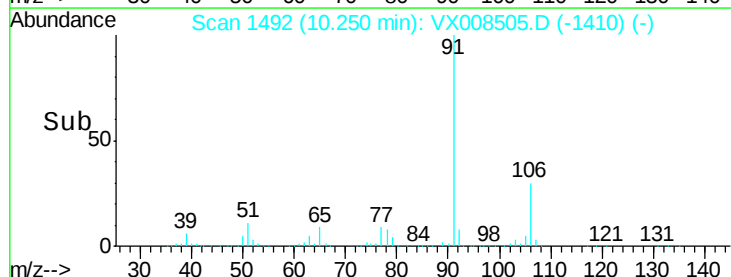
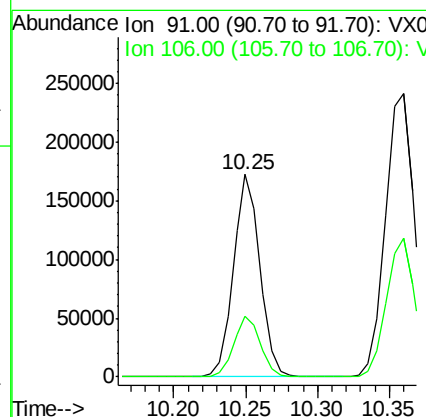
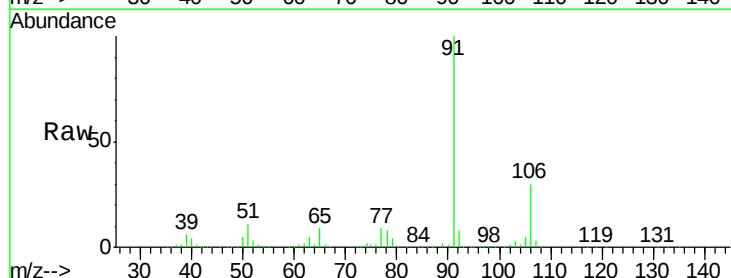
RT: 10.25 min Scan# 1492

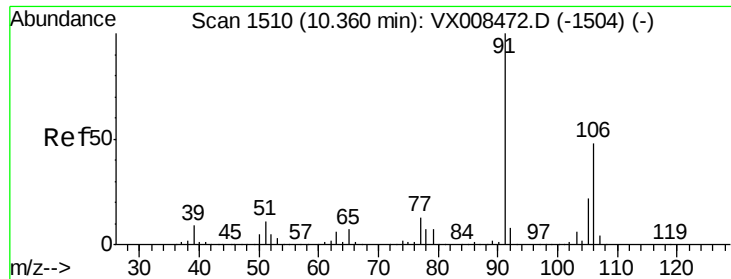
Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Tgt Ion:	91	Resp:	222343
Ion Ratio	Lower	Upper	
91	100		
106	29.8	26.0	39.0





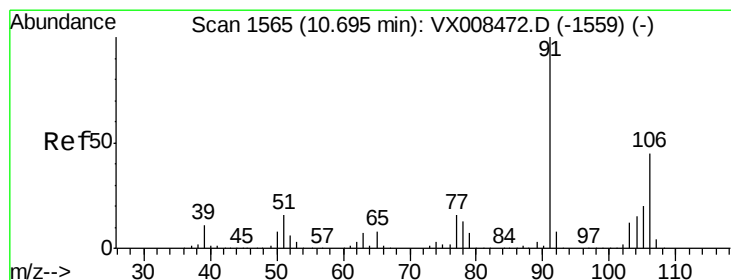
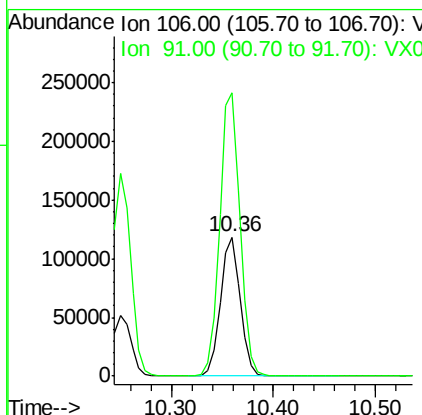
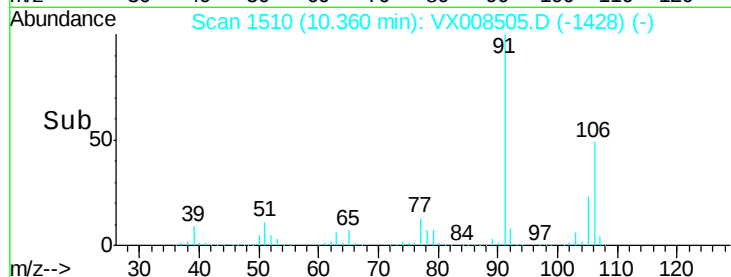
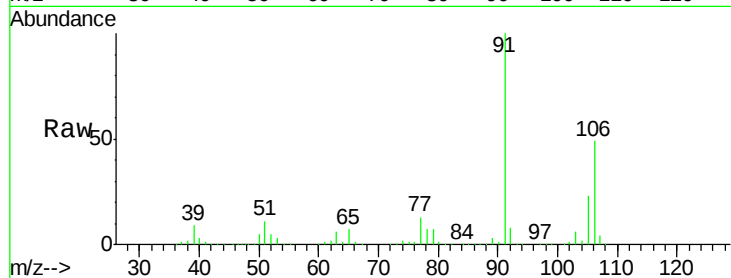
#67
m/p-Xvlenes
Concen: 36.755 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion:106 Resp: 160834
Ion Ratio Lower Upper
106 100
91 209.2 157.0 235.4

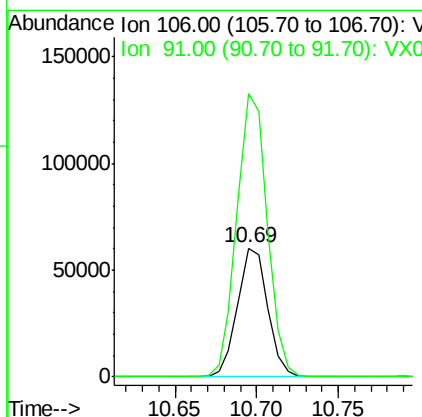
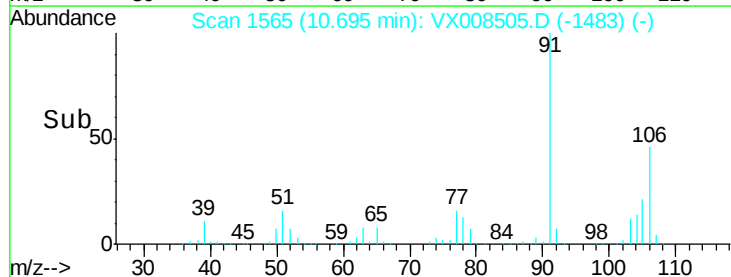
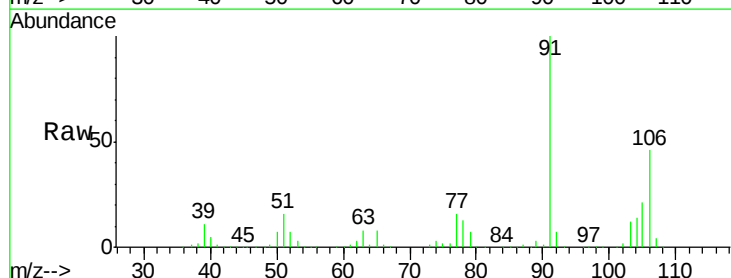
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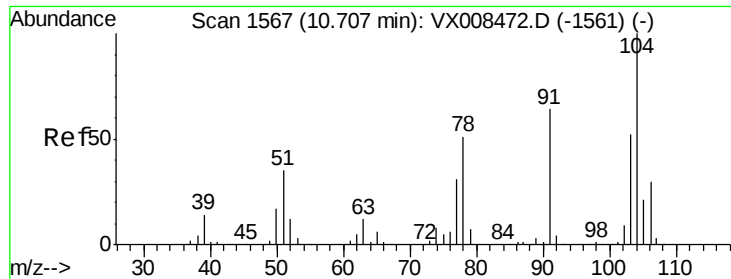
MMDadoda
3/28/2019 9:35:20 AM



#68
o-Xylene
Concen: 18.284 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion:106 Resp: 78294
Ion Ratio Lower Upper
106 100
91 220.7 104.4 313.2





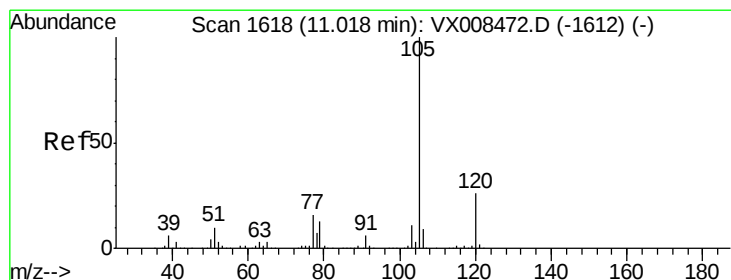
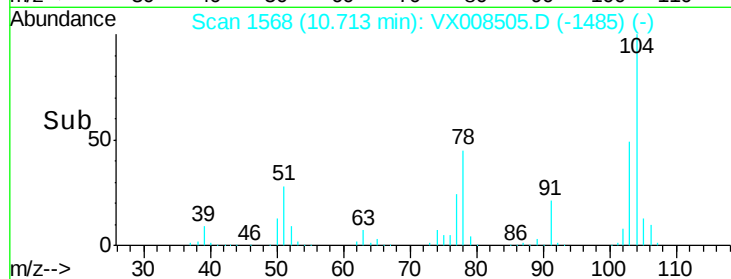
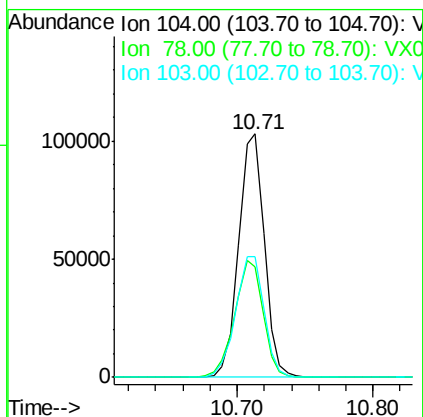
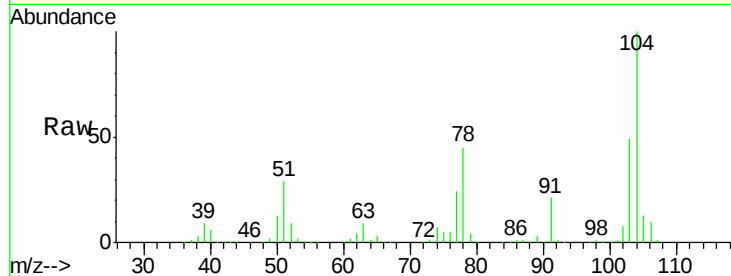
#69
Stvrene
Concen: 18.263 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	38.2	57.2
103	55.0	45.0	67.4

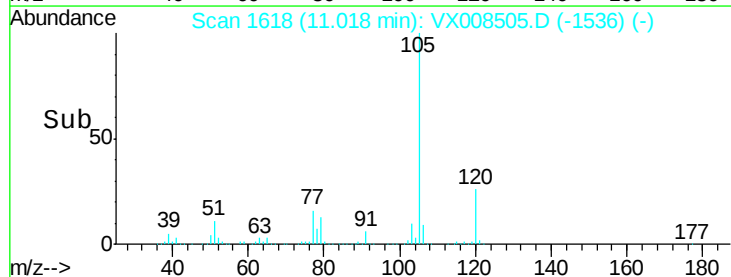
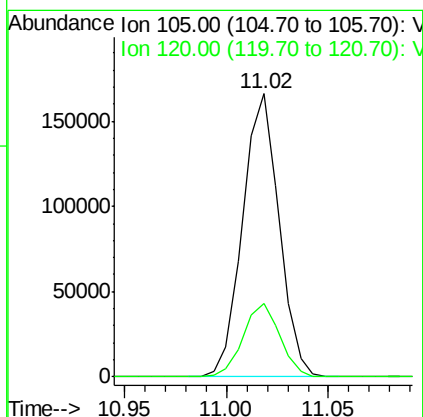
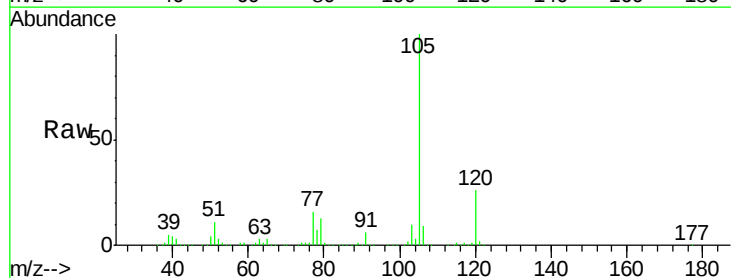
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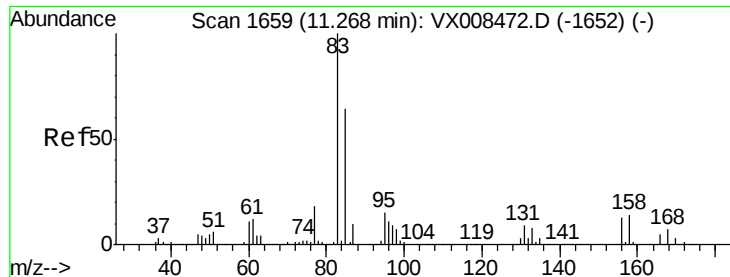
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#70
Isopropylbenzene
Concen: 18.301 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 18.492 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

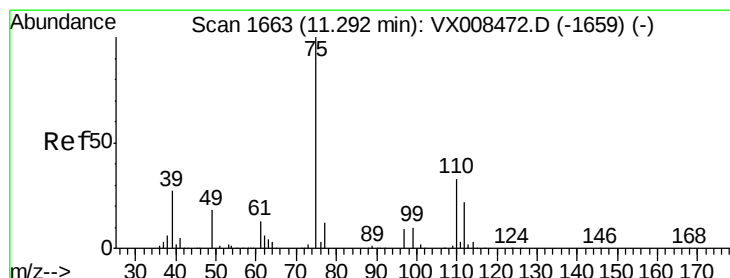
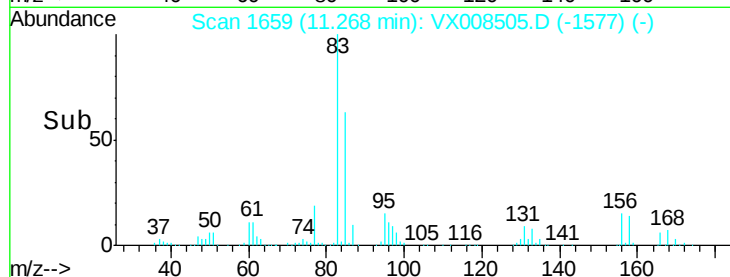
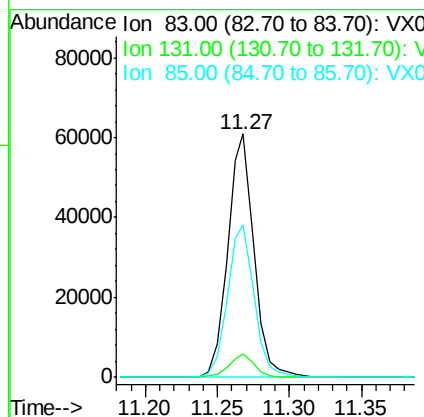
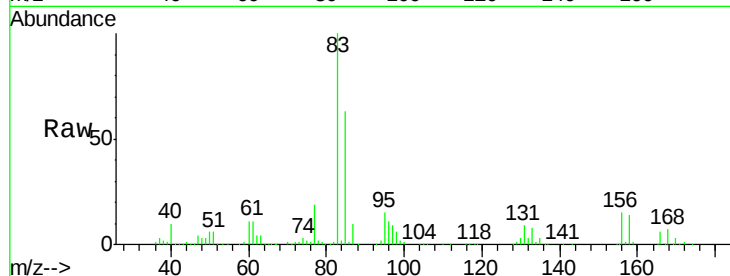
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	78031
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.4	16.2
85	64.0	32.8	98.4

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#72

1,2,3-Trichloropropane

Concen: 18.485 ug/l m

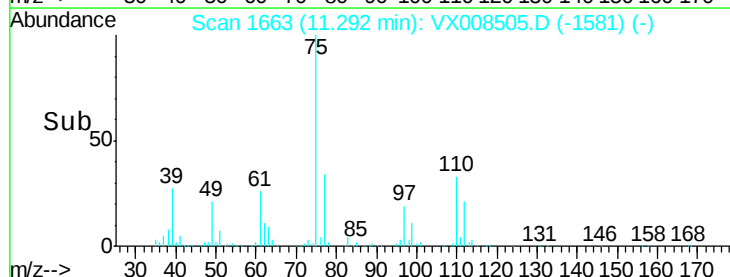
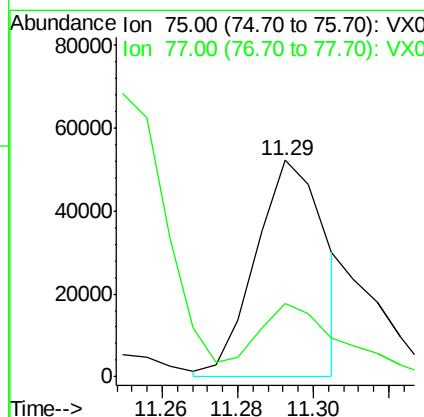
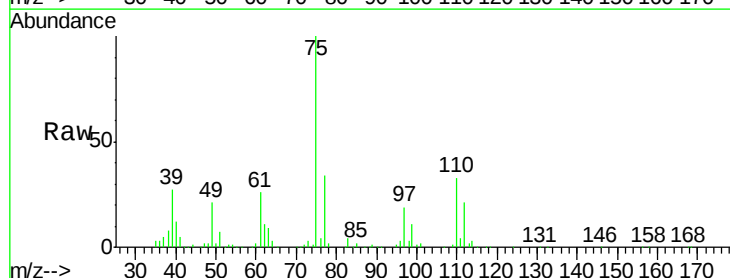
RT: 11.29 min Scan# 1663

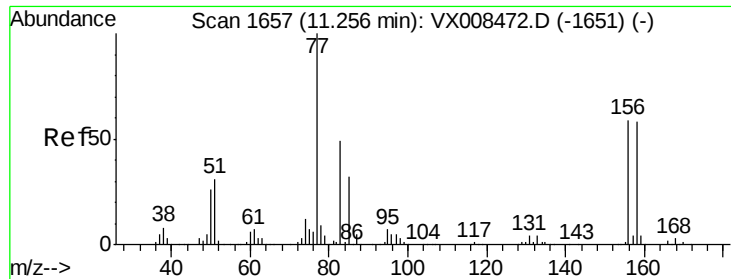
Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Tgt Ion:	75	Resp:	65932
Ion Ratio	Lower	Upper	
75	100		
77	42.4	0.0	76.4





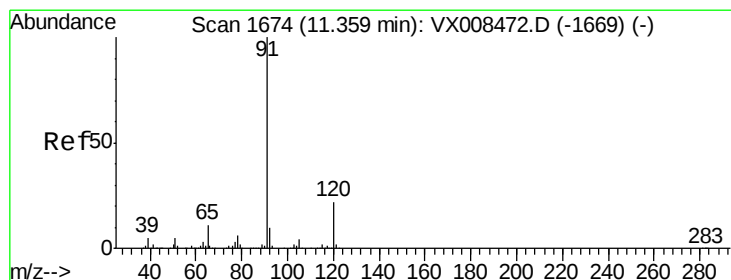
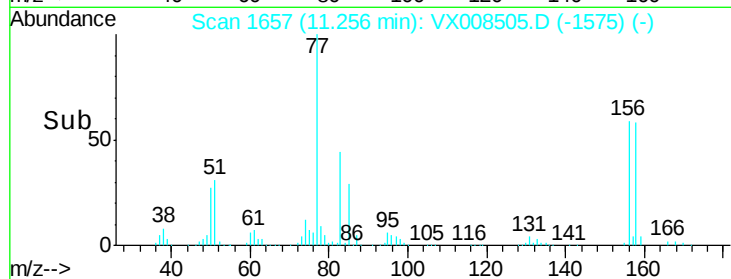
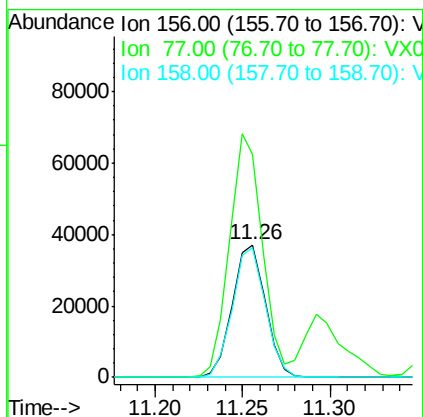
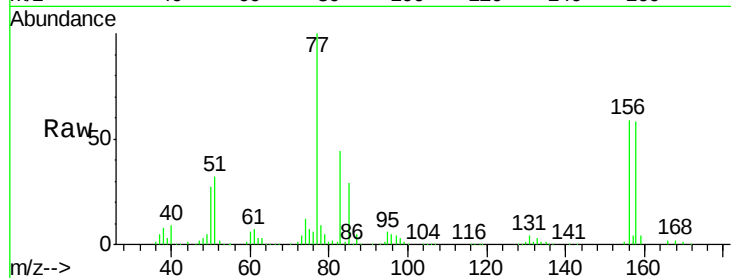
#73
Bromobenzene
Concen: 18.297 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.2	0.0	271.4
158	97.2	0.0	194.0

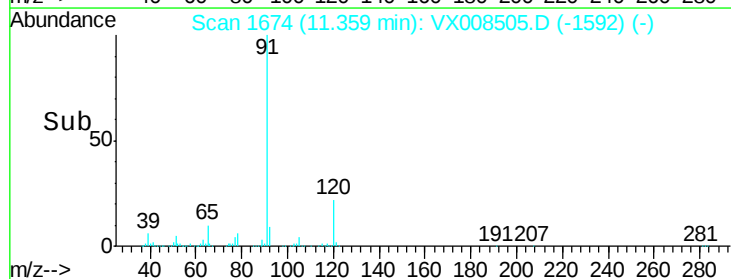
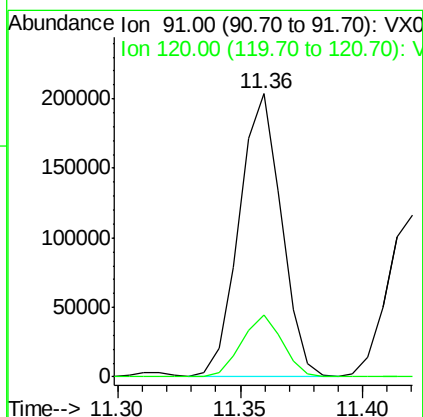
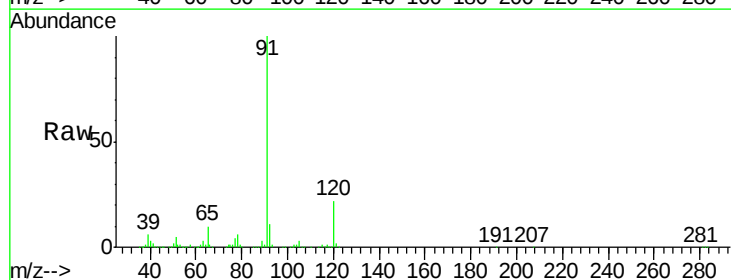
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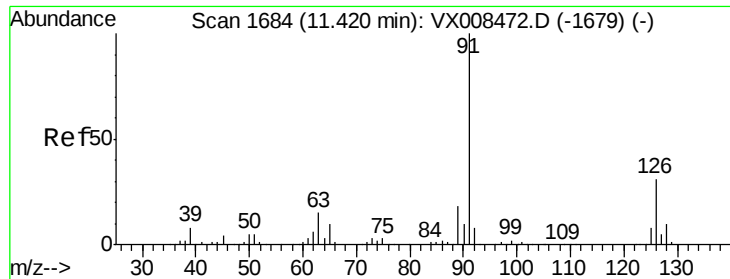
MMDadoda
3/28/2019 9:35:20 AM



#74
n-propylbenzene
Concen: 18.239 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	0.0	48.6





#75

2-Chlorotoluene

Concen: 18.369 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 147057

Ion Ratio Lower Upper

91 100

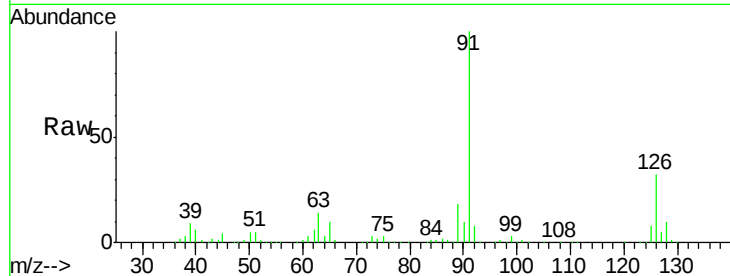
126 31.1 0.0 75.2

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Abundance Ion 91.00 (90.70 to 91.70): VX008472.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008472.D (-1679) (-)

200000

150000

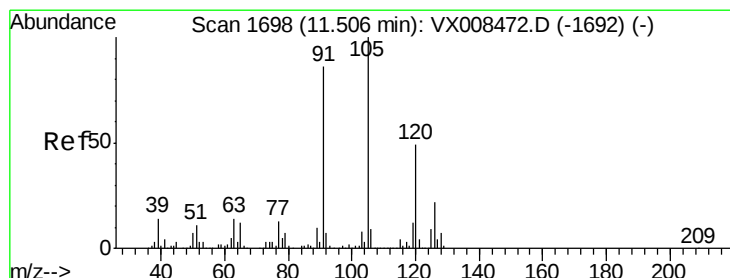
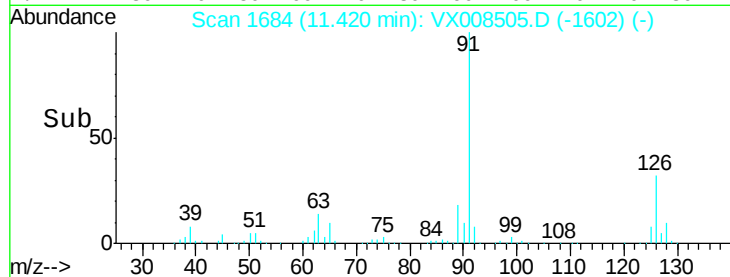
100000

50000

0

11.40 11.42 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.101 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008505.D

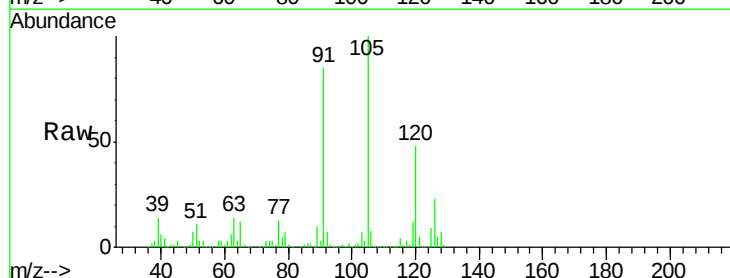
Acq: 27 Mar 2019 23:59

Tgt Ion: 105 Resp: 174806

Ion Ratio Lower Upper

105 100

120 47.6 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008472.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008472.D (-1692) (-)

150000

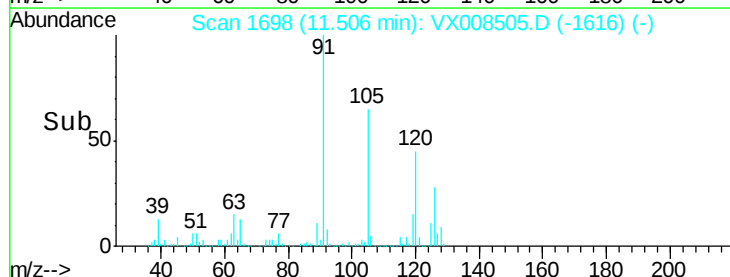
100000

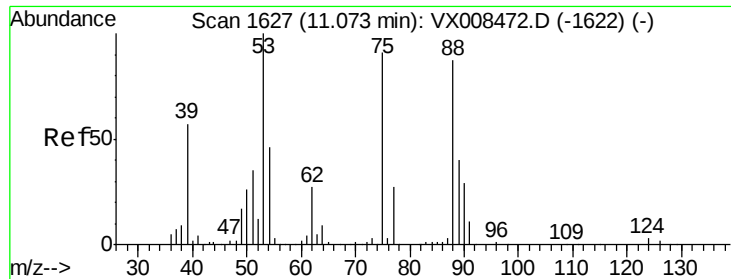
50000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.058 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 20602

Ion Ratio Lower Upper

75 100

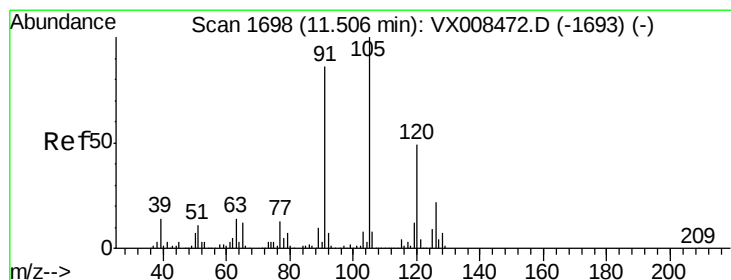
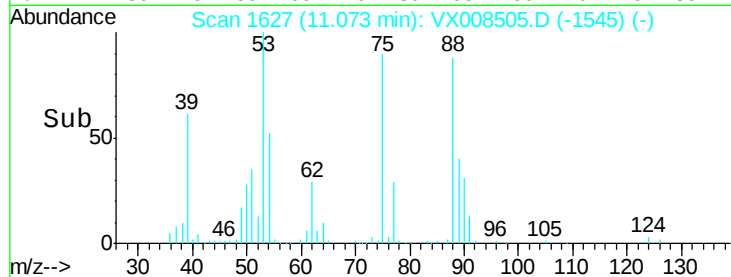
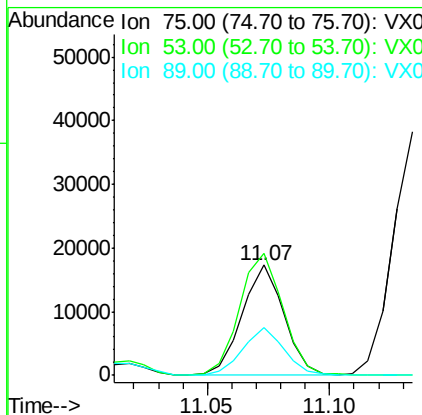
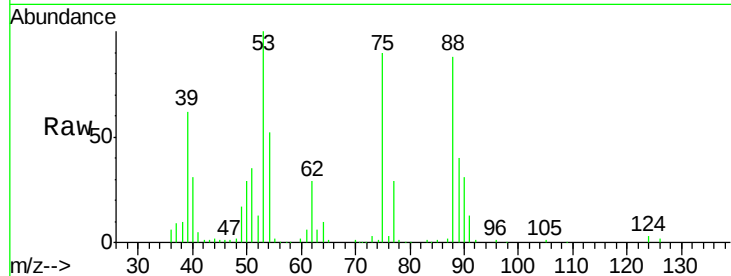
53 110.5 55.5 166.7

89 43.8 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 17.875 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008505.D

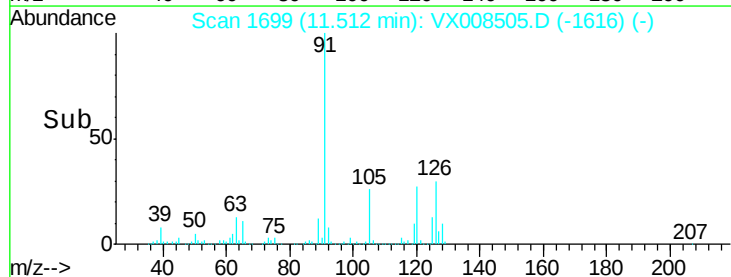
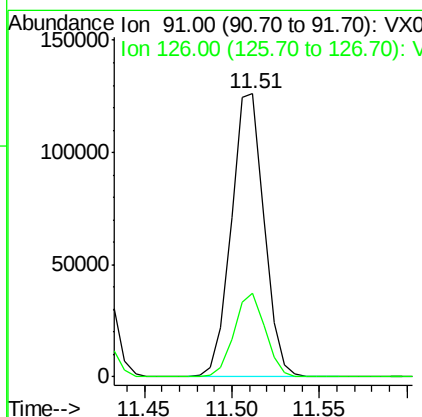
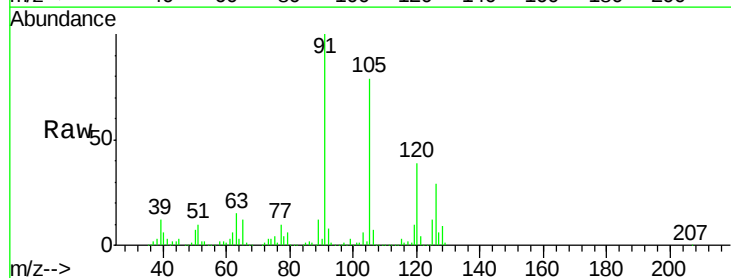
Acq: 27 Mar 2019 23:59

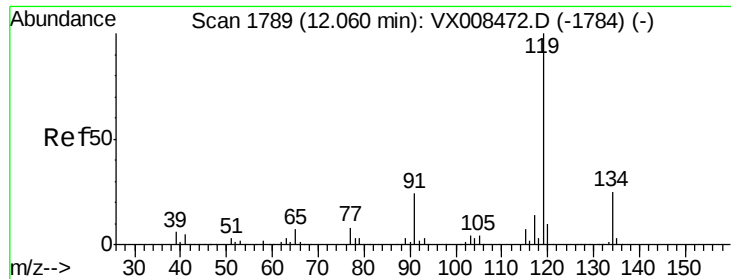
Tgt Ion: 91 Resp: 164696

Ion Ratio Lower Upper

91 100

126 28.2 0.0 66.2





#79

tert-butylbenzene

Concen: 17.978 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

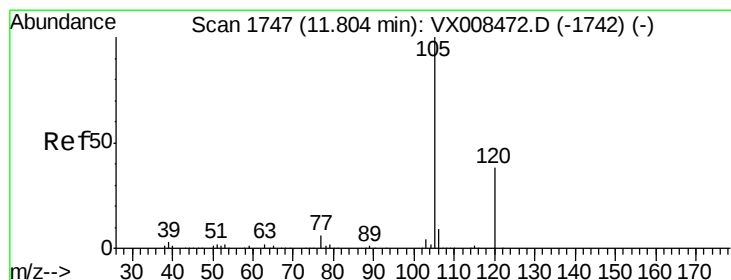
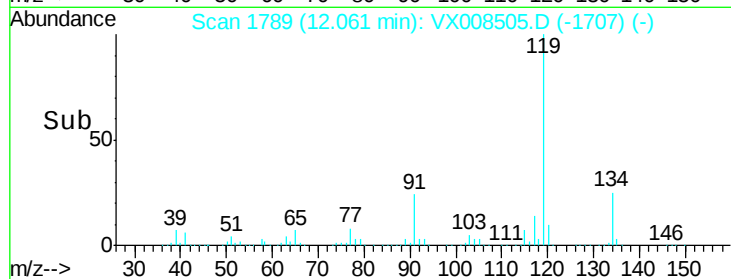
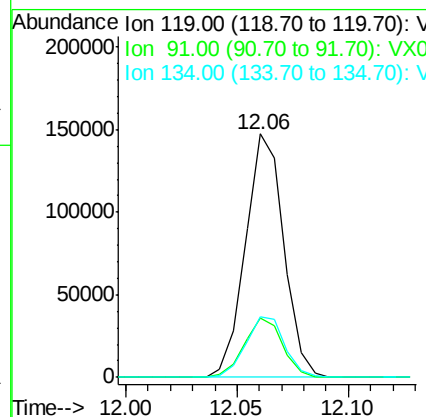
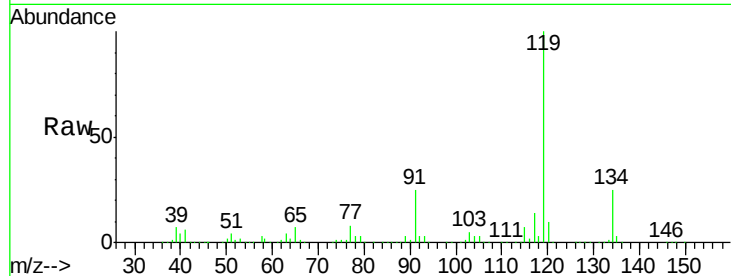
ClientSampleId :

VSTDCCC020EC

Tot Ion:	119	Resp:	177427
Ion Ratio	Lower	Upper	
119	100		
91	24.3	0.0	45.0
134	25.3	0.0	55.4

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 18.243 ug/l

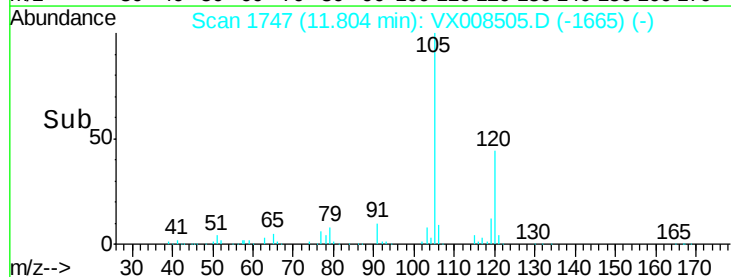
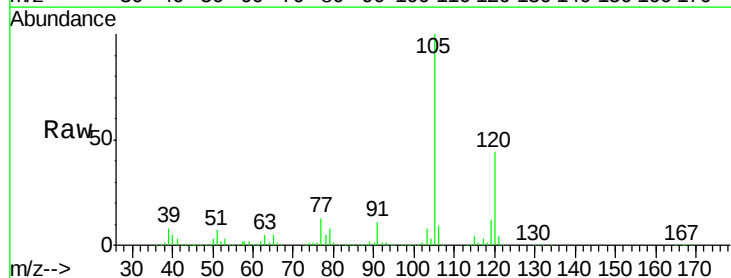
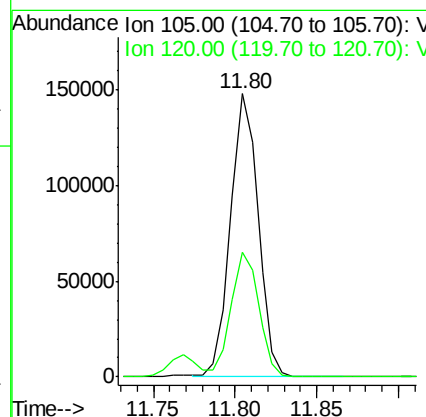
RT: 11.80 min Scan# 1747

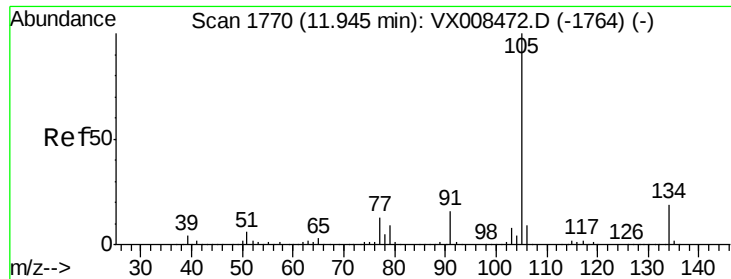
Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Tgt Ion:	105	Resp:	175666
Ion Ratio	Lower	Upper	
105	100		
120	43.7	0.0	94.0





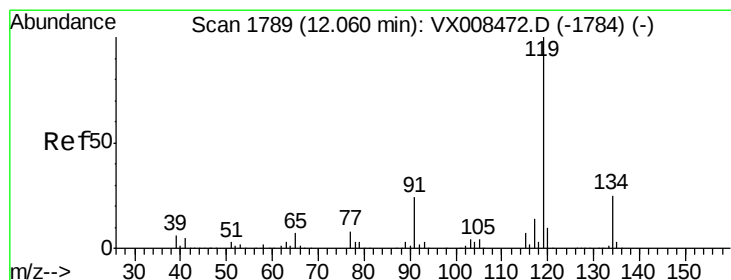
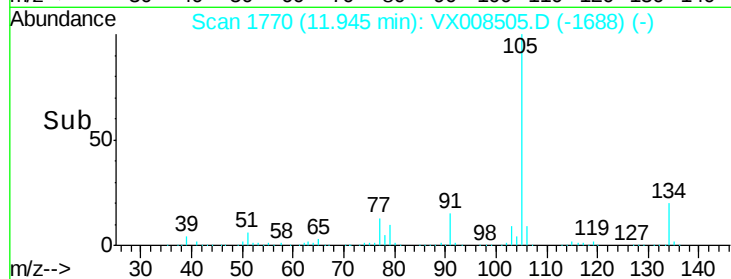
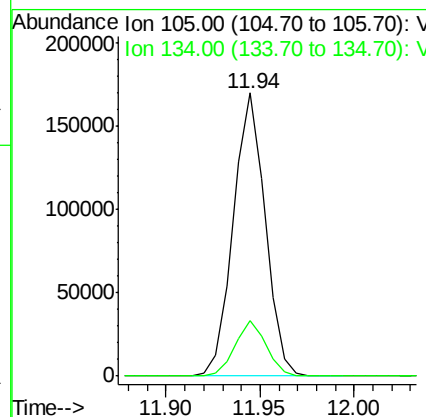
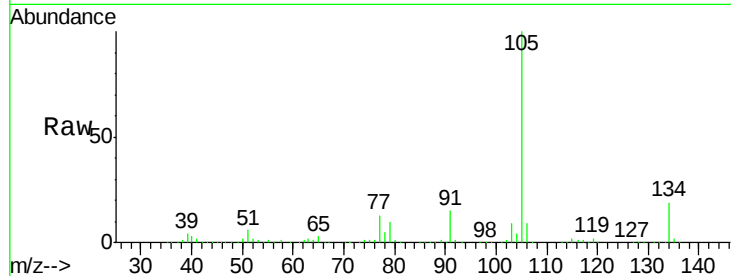
#81
 sec-Butylbenzene
 Concen: 18.100 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	199712		
134	19.1	0.0	41.8	

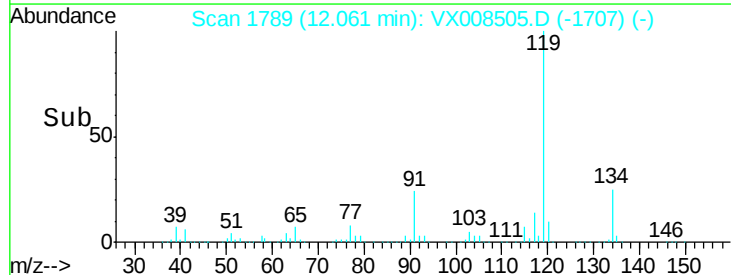
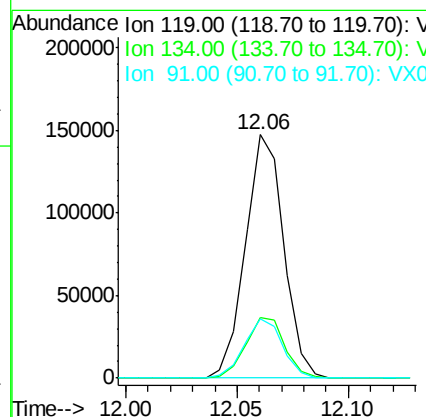
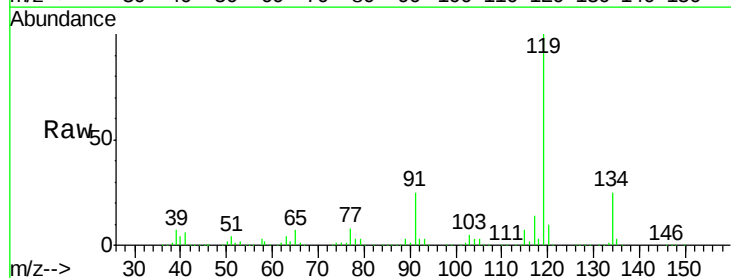
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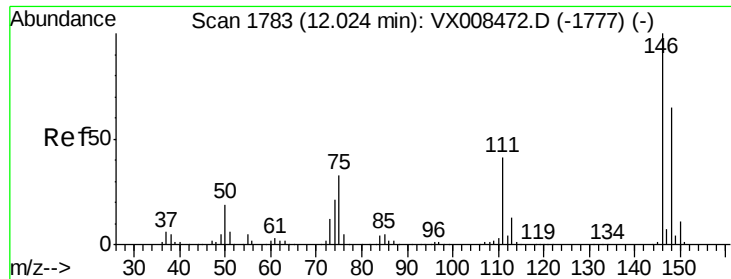
MMDadoda
 3/28/2019 9:35:20 AM



#82
 p-Isopropyltoluene
 Concen: 17.978 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	177427		
134	25.3	0.0	55.4	
91	24.3	0.0	45.0	





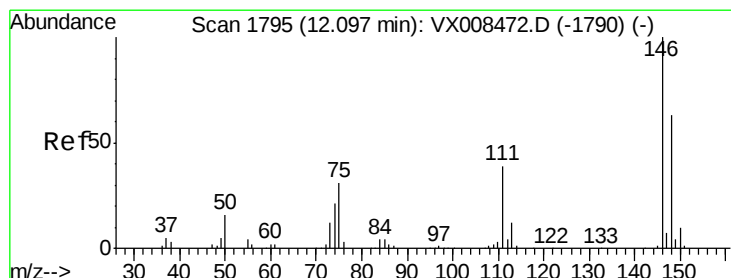
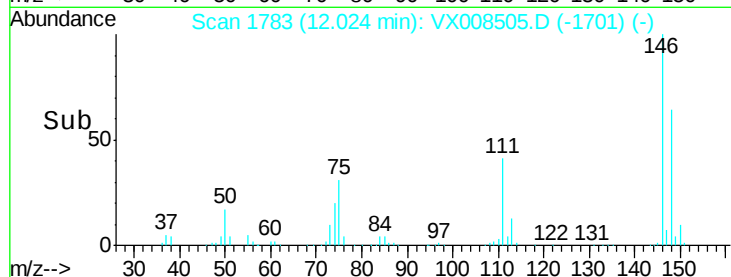
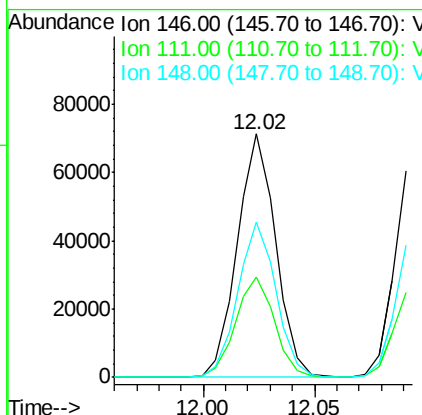
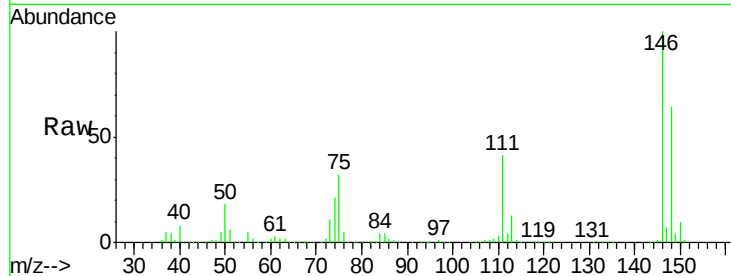
#83
 1,3-Dichlorobenzene
 Concen: 18.033 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	18.8	56.3
148	62.9	30.6	91.8

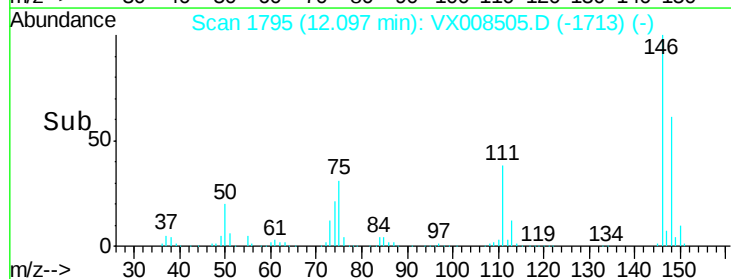
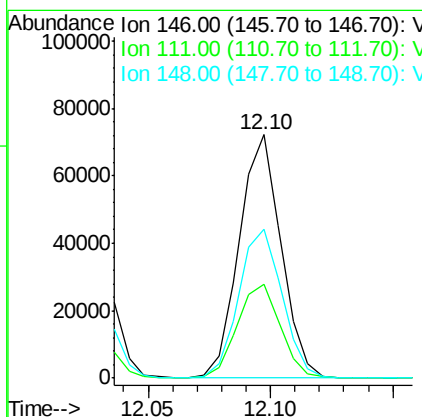
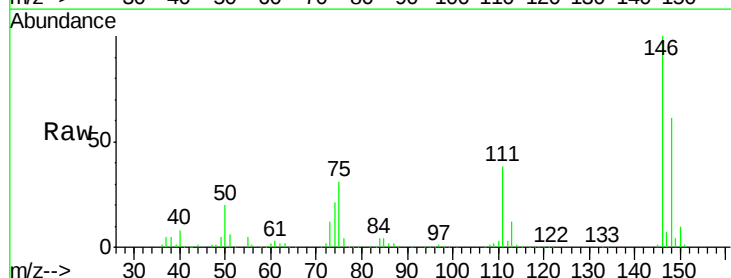
Manual Integrations
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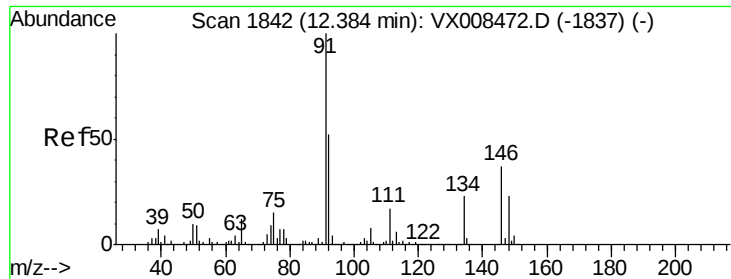
MMDadoda
 3/28/2019 9:35:20 AM



#84
 1,4-Dichlorobenzene
 Concen: 17.978 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	17.6	52.8
148	63.8	31.4	94.2





#85

n-Butylbenzene

Concen: 17.304 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

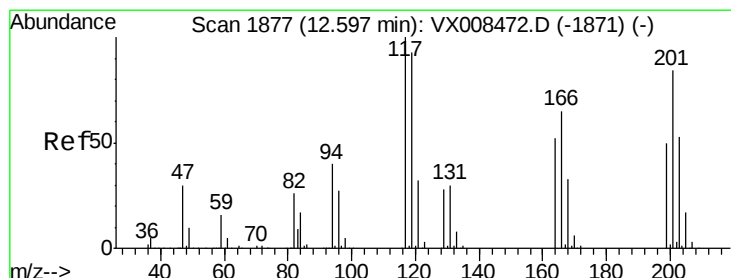
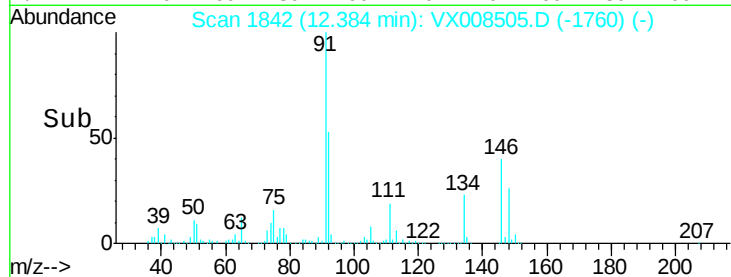
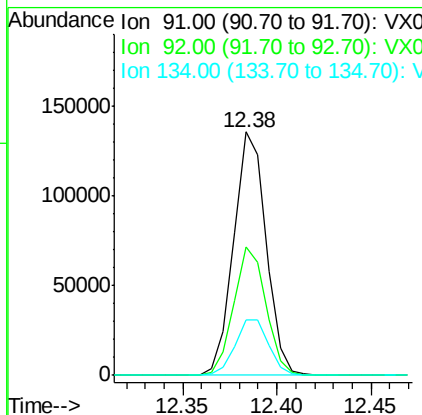
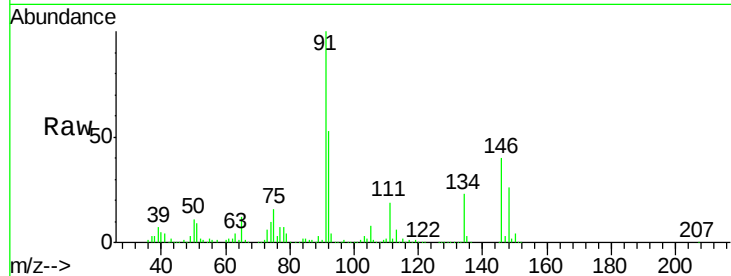
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	162261
Ion Ratio	Lower	Upper	
91	100		
92	52.5	0.0	105.2
134	23.8	0.0	56.4

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#86

Hexachloroethane

Concen: 17.158 ug/l

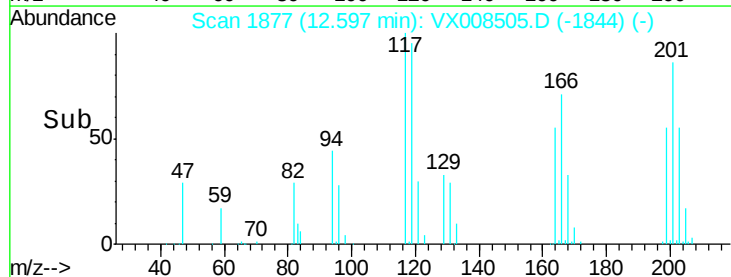
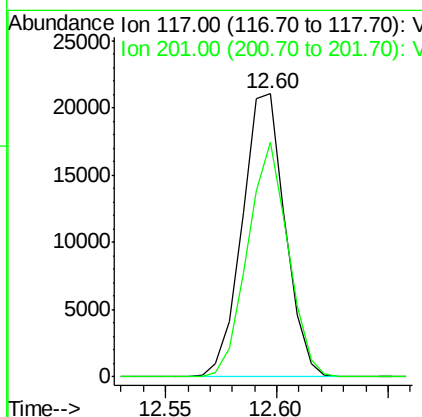
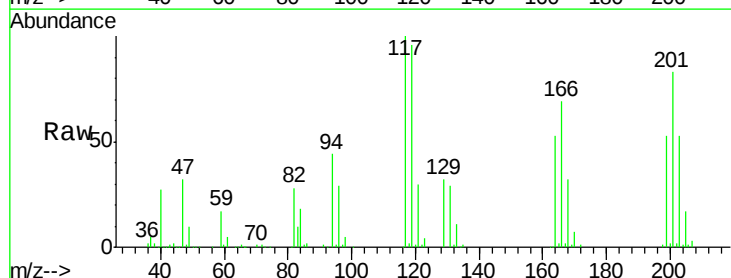
RT: 12.60 min Scan# 1877

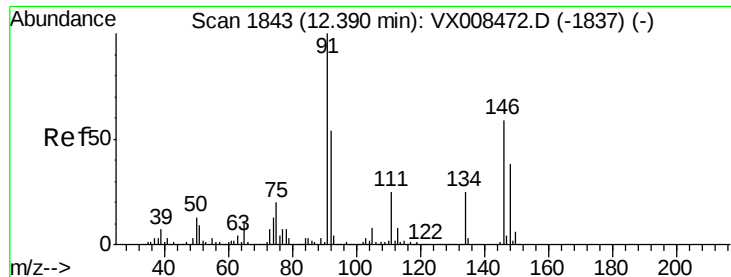
Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Tgt Ion:	117	Resp:	28292
Ion Ratio	Lower	Upper	
117	100		
201	78.0	41.1	123.3





#87

1,2-Dichlorobenzene

Concen: 17.920 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

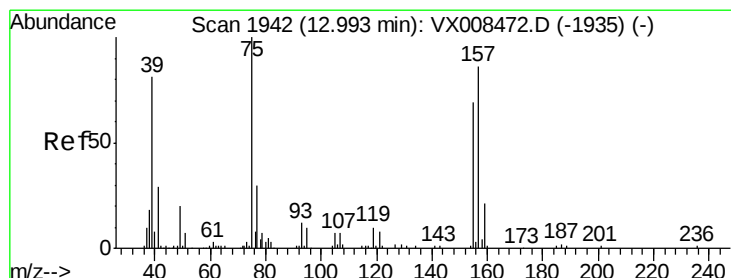
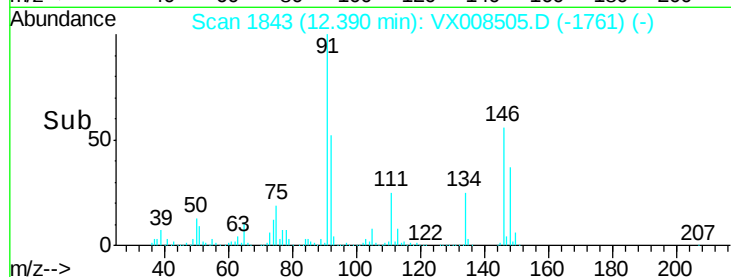
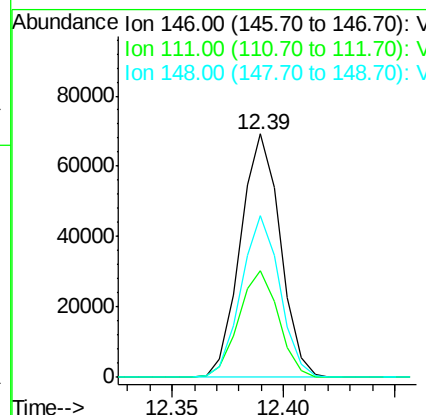
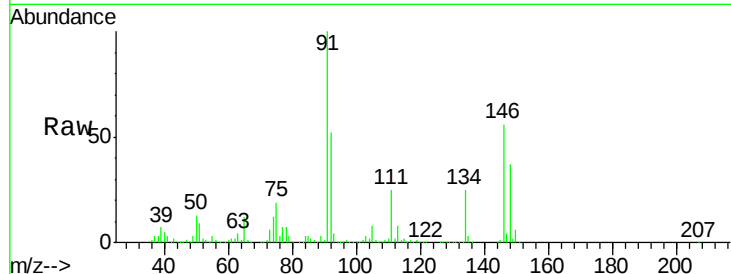
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	86147
Ion Ratio	Lower	Upper	
146	100		
111	43.8	19.3	57.8
148	64.5	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.138 ug/l

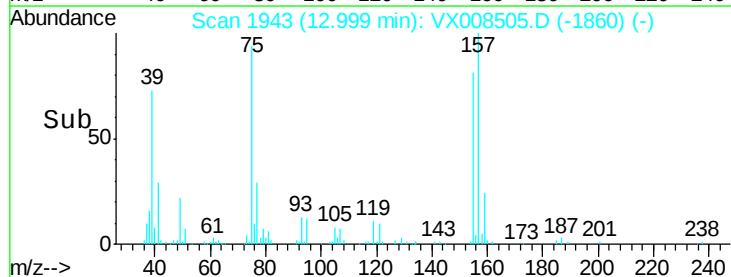
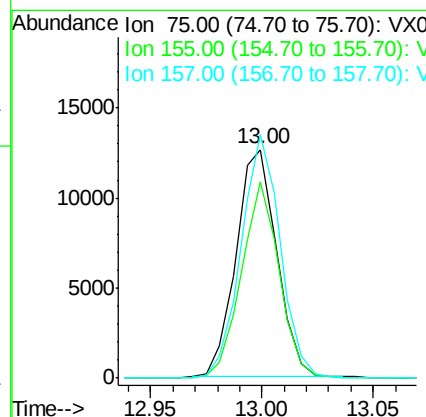
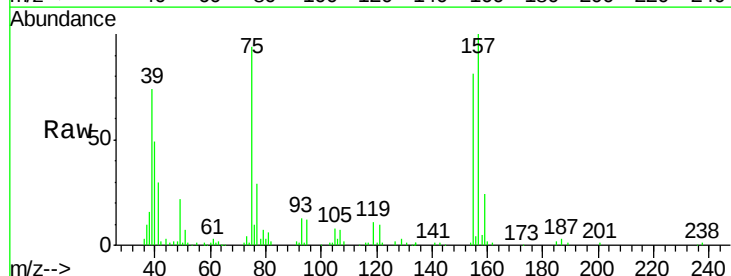
RT: 13.00 min Scan# 1943

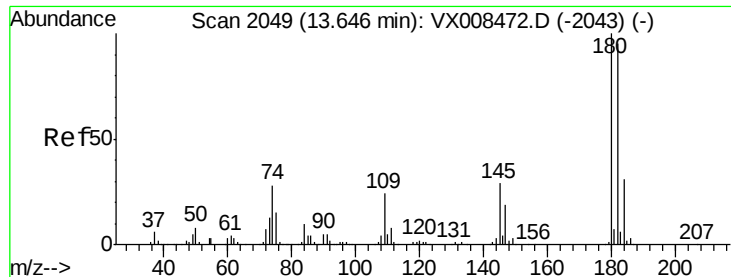
Delta R.T. 0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Tgt Ion:	75	Resp:	16029
Ion Ratio	Lower	Upper	
75	100		
155	80.2	81.0	121.6#
157	103.3	103.2	154.8





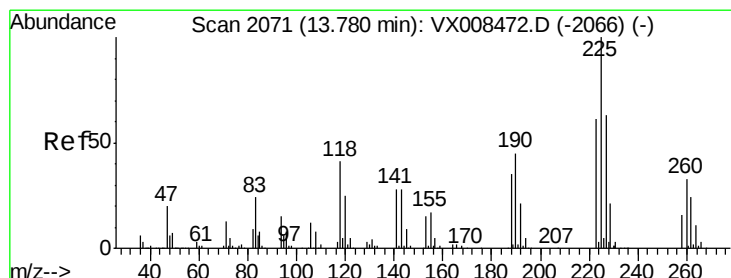
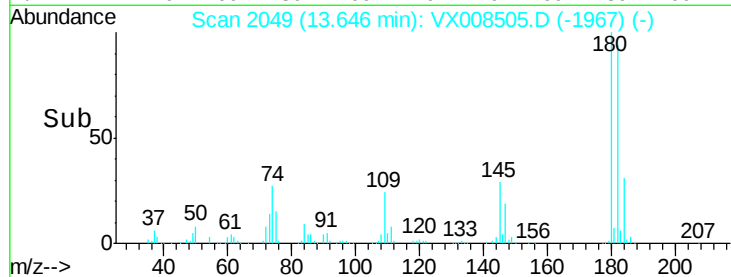
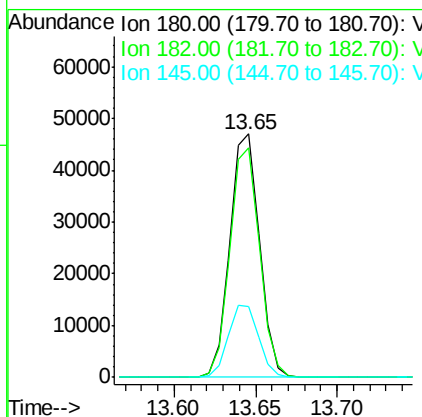
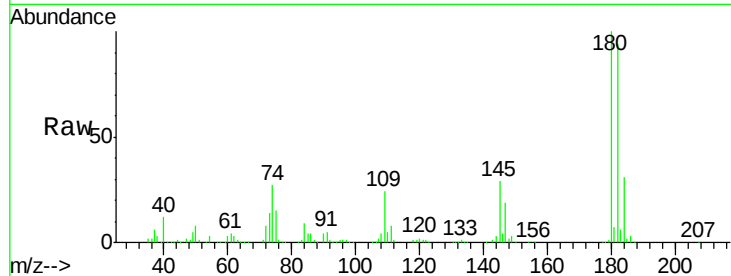
#89
1,2,4-Trichlorobenzene
Concen: 17.893 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.6	113.4
145	30.4	23.0	34.6

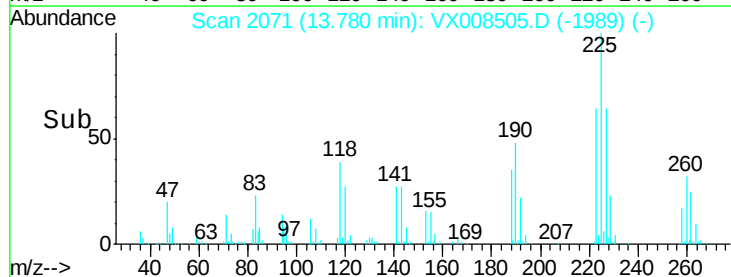
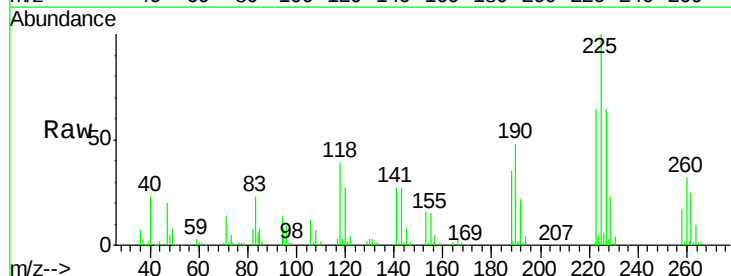
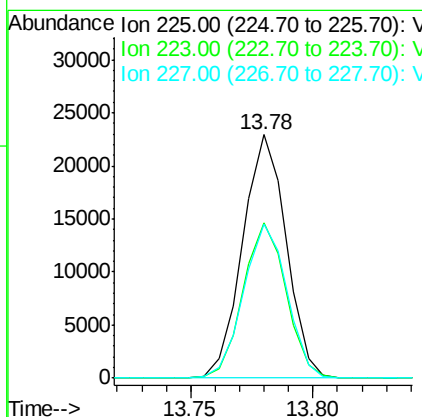
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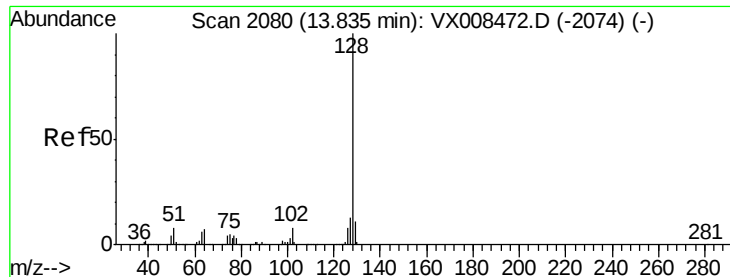
MMDadoda
3/28/2019 9:35:20 AM



#90
Hexachlorobutadiene
Concen: 17.737 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	123.8
227	63.0	0.0	124.4





#91

Naphthalene

Concen: 18.384 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

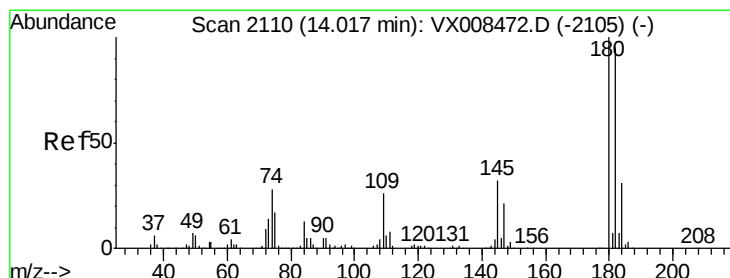
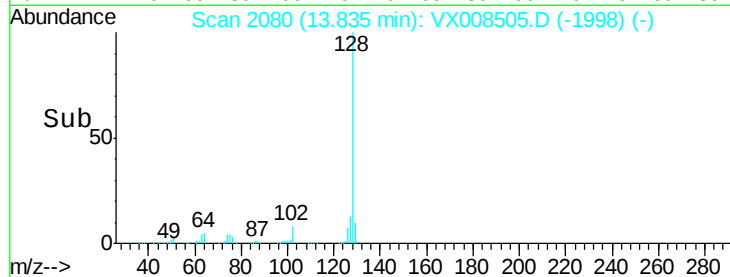
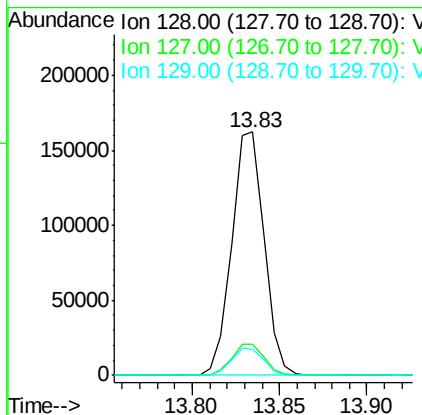
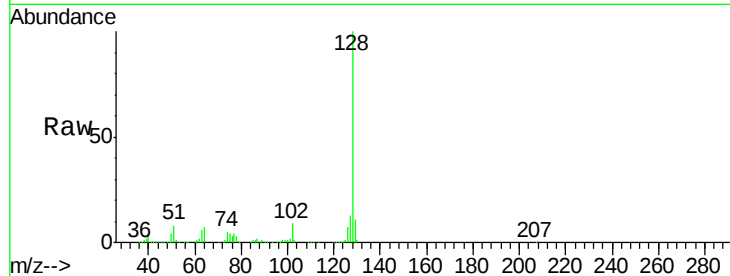
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	208858
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.1	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 18.220 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Tgt Ion:	180	Resp:	60861
Ion Ratio	Lower	Upper	
180	100		
182	95.3	0.0	193.0
145	31.9	0.0	63.0

