

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008471.D
 Acq On : 27 Mar 2019 10:07
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:36:53 AM

Quant Time: Mar 27 11:33:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 11:27:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	40112	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	233382	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	206136	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	100710	36.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	122.47%
60) 4-Bromofluorobenzene	11.13	95	106457	31.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.77%
63) Toluene-d8	8.71	98	296582	31.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	13919	6.467	ug/l 99
3) Chloromethane	1.32	50	18668	8.483	ug/l 96
4) Vinyl Chloride	1.40	62	19066	7.687	ug/l 97
5) Bromomethane	1.64	94	9267	2.061	ug/l 99
6) Chloroethane	1.72	64	16578	9.405	ug/l 96
7) Trichlorofluoromethane	1.93	101	21392	5.418	ug/l 97
8) Diethyl Ether	2.18	74	10225	6.678	ug/l 81
9) 1,1,2-Trichlorotrifluoroet	2.38	101	13788	6.315	ug/l 90
10) 1,1-Dichloroethene	2.37	96	13202	6.125	ug/l # 77
11) Methyl Iodide	2.51	142	10615	3.258	ug/l 94
12) Methyl Acetate	3.18	43	10728	4.562	ug/l 95
13) Acrolein	2.29	56	14775	40.102	ug/l 99
14) Acrylonitrile	3.14	53	48756	41.773	ug/l 99
15) Acetone	2.44	58	14380	31.419	ug/l 96
16) Carbon Disulfide	2.57	76	40999	6.861	ug/l 100
17) Allyl chloride	2.73	41	29191	9.178	ug/l 91
18) Methylene Chloride	2.85	84	16406	7.071	ug/l # 83
19) trans-1,2-Dichloroethene	3.16	96	14308	6.254	ug/l 85
20) Diisopropyl ether	3.85	45	58248	8.759	ug/l # 81
21) 1,1-Dichloroethane	3.69	63	29062	7.400	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	16569	6.279	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	19266	40.661	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	48554	7.012	ug/l 99
25) Chloroform	5.20	83	26707	6.410	ug/l 96
26) Cyclohexane	5.57	56	29266	8.426	ug/l # 81
29) 1,1-Dichloropropene	5.79	75	20126	6.072	ug/l 93
30) 2-Butanone	4.67	43	71384	37.389	ug/l 94
31) 2,2-Dichloropropane	4.58	77	19624	6.288	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	20970	5.377	ug/l # 94
33) Carbon Tetrachloride	5.78	117	17343	4.842	ug/l 93
34) Benzene	6.14	78	63332	6.414	ug/l 97
35) Methacrylonitrile	5.04	41	15357	8.635	ug/l 92
36) 1,2-Dichloroethane	6.19	62	23102	6.348	ug/l 99
37) Trichloroethene	7.21	130	14471	4.985	ug/l # 76
38) Methylcyclohexane	7.46	83	26282	6.326	ug/l 88
39) 1,2-Dichloropropane	7.51	63	18239	7.260	ug/l 98
40) Dibromomethane	7.66	93	10483	5.689	ug/l 86

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

41) Bromodichloromethane	7.90	83	19144	5.475	ug/l	98
42) Vinyl Acetate	3.81	43	248049	38.654	ug/l #	94
43) Ethyl Acetate	4.83	43	25255	7.494	ug/l #	74
44) Isopropyl Acetate	6.44	43	40859	7.704	ug/l	100
45) 1,4-Dioxane	7.74	88	8809	132.053	ug/l #	86
46) Methyl methacrylate	7.77	41	20684	7.948	ug/l	91
47) n-amyl Acetate	10.90	43	34750	7.642	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	19498	5.570	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	22806	5.838	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	15499	5.855	ug/l	96
51) Ethyl methacrylate	9.18	69	26530	6.865	ug/l	92
52) 1,3-Dichloropropane	9.37	76	27041	6.369	ug/l	99
53) Dibromochloromethane	9.58	129	13880	4.651	ug/l	98
54) 1,2-Dibromoethane	9.67	107	15477	5.329	ug/l	96
55) 2-Chloroethyl vinyl ether	8.31	63	62526	32.157	ug/l #	94
56) Bromoform	10.85	173	9310	3.952	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	136845	39.428	ug/l	96
59) 2-Hexanone	9.49	43	105660	38.485	ug/l	97
61) Tetrachloroethene	9.33	164	12382	4.462	ug/l	95
62) Toluene	8.78	91	67516	6.171	ug/l	99
64) Chlorobenzene	10.13	112	38106	5.402	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	12912	4.793	ug/l	98
66) Ethyl Benzene	10.25	91	72151	6.097	ug/l	96
67) m/p-Xylenes	10.36	106	52000	11.057	ug/l	89
68) o-Xylene	10.69	106	25623	5.671	ug/l	92
69) Styrene	10.71	104	42759	5.606	ug/l	95
70) Isopropylbenzene	11.02	105	68769	5.785	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	24734	6.102	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	21010m	6.435	ug/l	
73) Bromobenzene	11.25	156	15597	4.742	ug/l	76
74) n-propylbenzene	11.36	91	79733	6.018	ug/l	93
75) 2-Chlorotoluene	11.42	91	48009	6.067	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	57595	5.672	ug/l	94
77) t-1,4-Dichloro-2-butene	11.07	75	6134	5.303	ug/l	89
78) 4-Chlorotoluene	11.51	91	54760	5.880	ug/l	90
79) tert-butylbenzene	12.06	119	58460	5.473	ug/l	95
80) 1,2,4-Trimethylbenzene	11.80	105	57323	5.681	ug/l	94
81) sec-Butylbenzene	11.94	105	66501	5.741	ug/l	96
82) p-Isopropyltoluene	12.06	119	58460	5.473	ug/l	95
83) 1,3-Dichlorobenzene	12.02	146	28215	4.943	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	28023	4.930	ug/l	95
85) n-Butylbenzene	12.38	91	52399	5.703	ug/l	96
86) Hexachloroethane	12.60	117	8746	4.751	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	28705	5.099	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	5125	5.523	ug/l #	73
89) 1,2,4-Trichlorobenzene	13.65	180	18973	4.762	ug/l	98
90) Hexachlorobutadiene	13.78	225	9557	4.765	ug/l	99
91) Naphthalene	13.83	128	65339	5.460	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	19790	4.913	ug/l	98

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MSVOA_X
ClientSampleId :
VSTDICC005

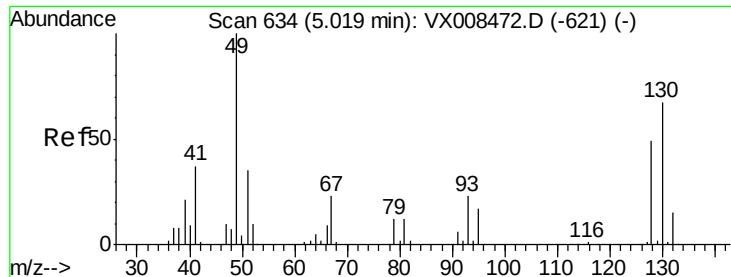
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 40112

Ion Ratio Lower Upper

128 100

49 204.5 0.0 350.8

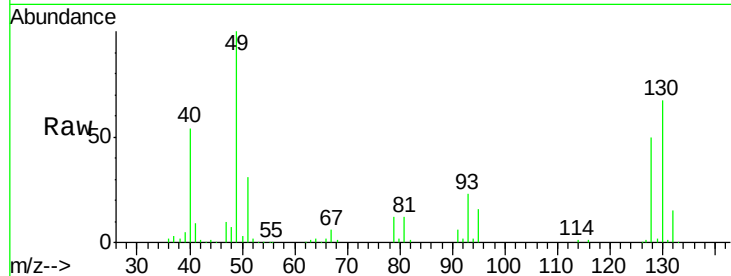
130 130.0 0.0 325.8

Manual Integrations

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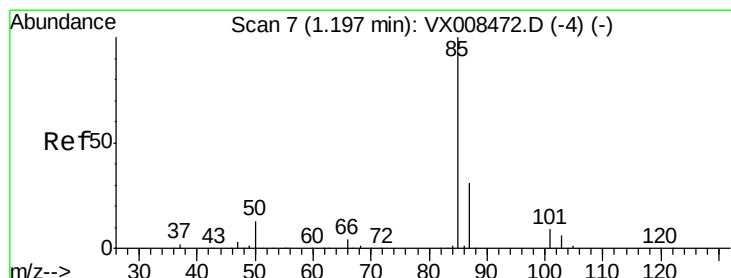
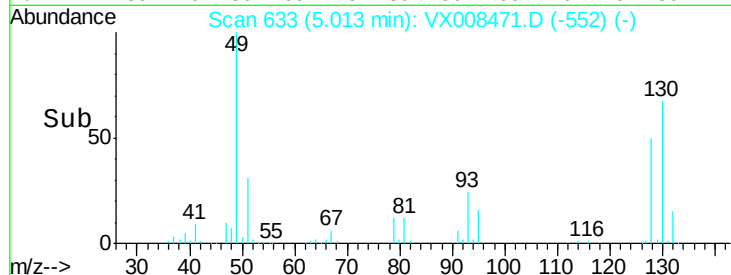
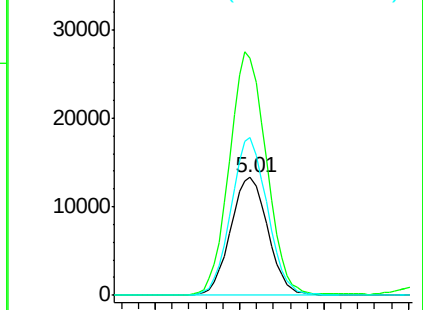
3/28/2019 9:36:53 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.467 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008471.D

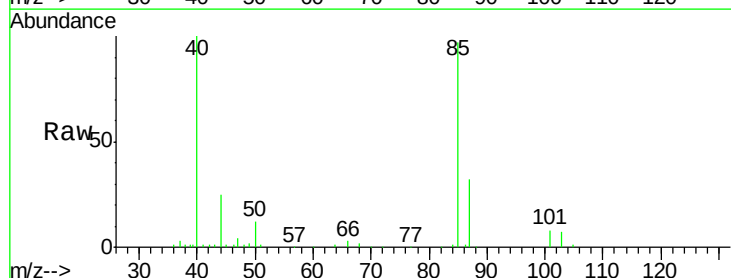
Acq: 27 Mar 2019 10:07

Tgt Ion: 85 Resp: 13919

Ion Ratio Lower Upper

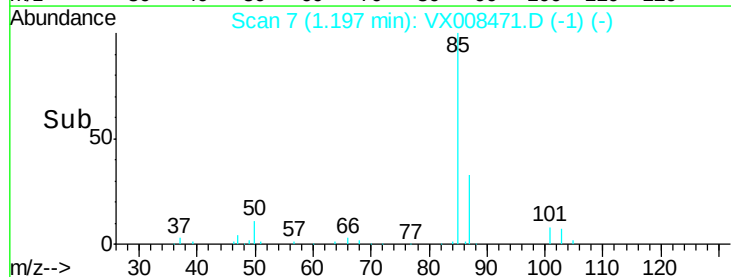
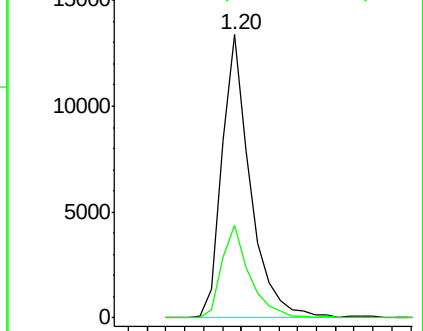
85 100

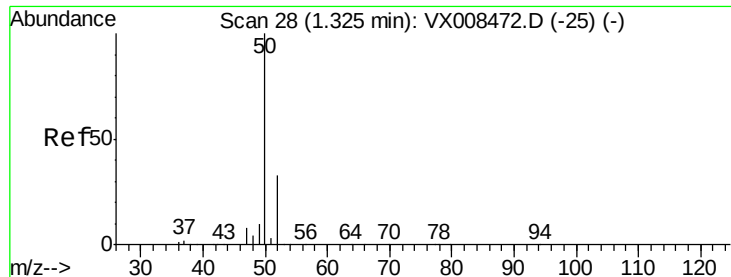
87 32.5 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 8.483 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18668

Ion Ratio Lower Upper

50 100

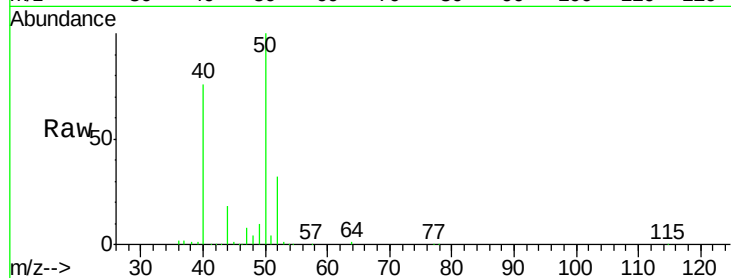
52 32.0 27.5 41.3

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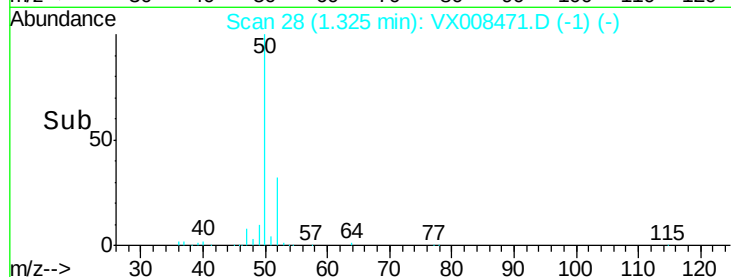
Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

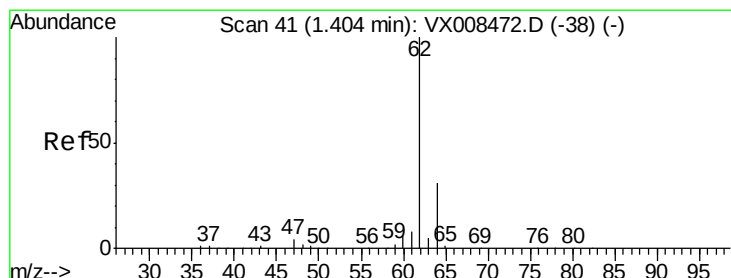
1.32

1.35

1.40



Time-->



#4

Vinyl Chloride

Concen: 7.687 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008471.D

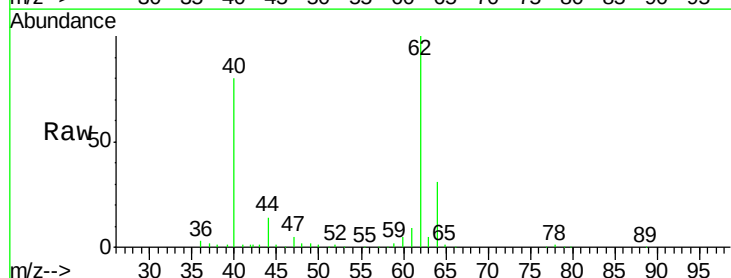
Acq: 27 Mar 2019 10:07

Tgt Ion: 62 Resp: 19066

Ion Ratio Lower Upper

62 100

64 30.7 25.9 38.9



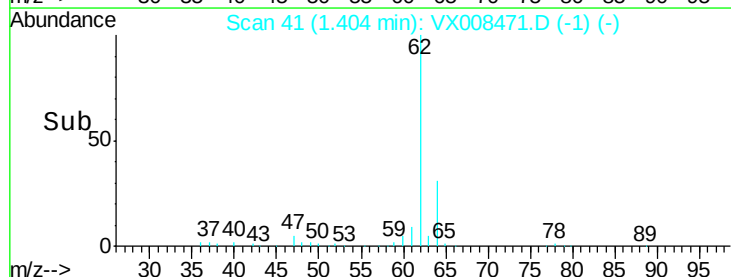
Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

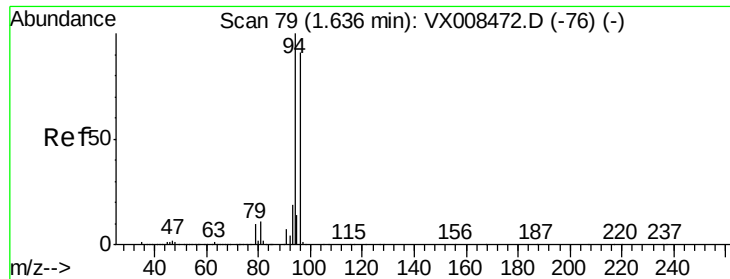
1.40

1.45

1.50



Time-->



#5

Bromomethane

Concen: 2.061 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9267

Ion Ratio Lower Upper

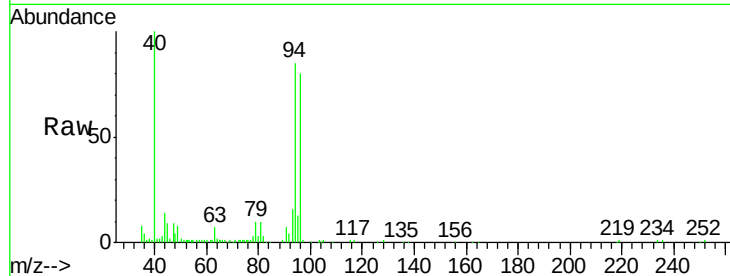
94 100

96 95.4 75.6 113.4

Manual Integrations
APPROVED

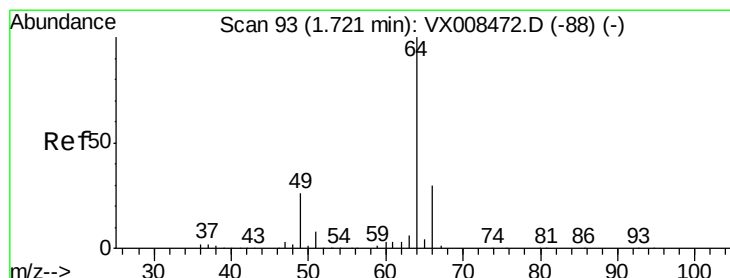
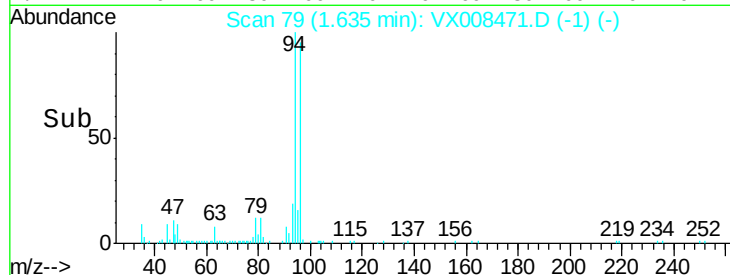
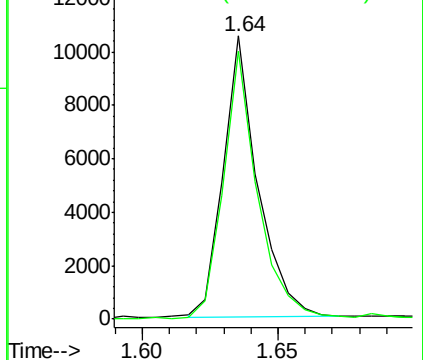
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 9.405 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008471.D

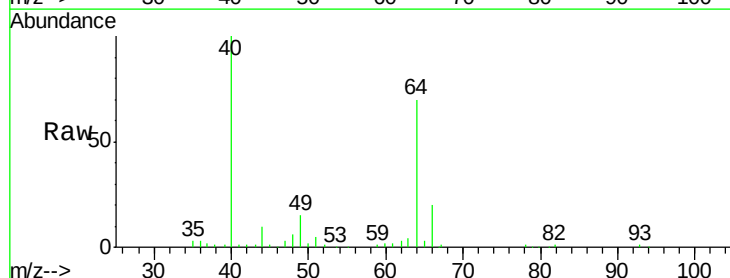
Acq: 27 Mar 2019 10:07

Tgt Ion: 64 Resp: 16578

Ion Ratio Lower Upper

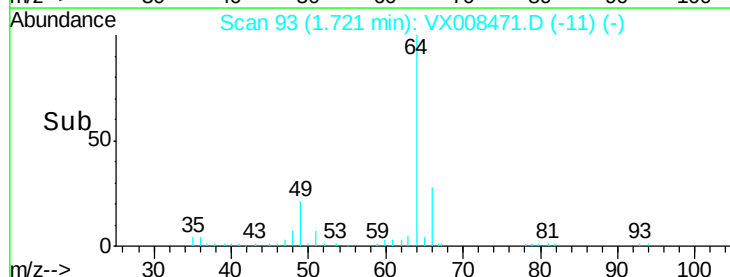
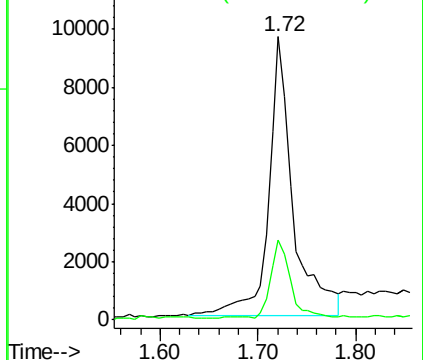
64 100

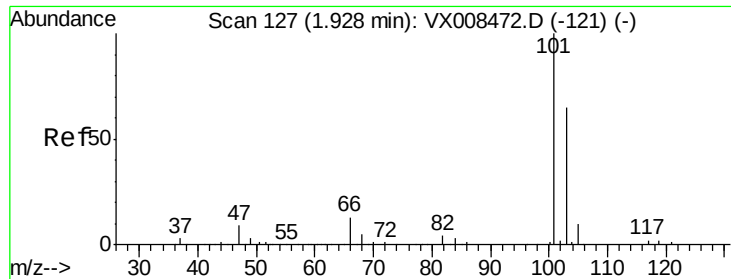
66 27.6 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

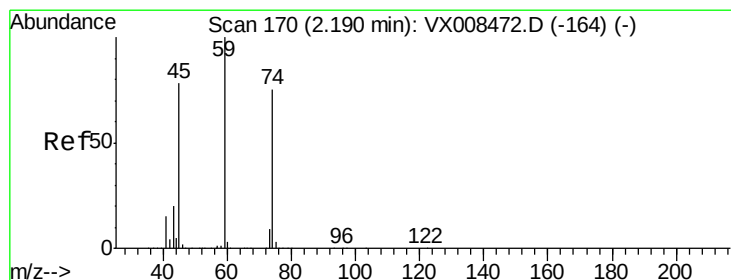
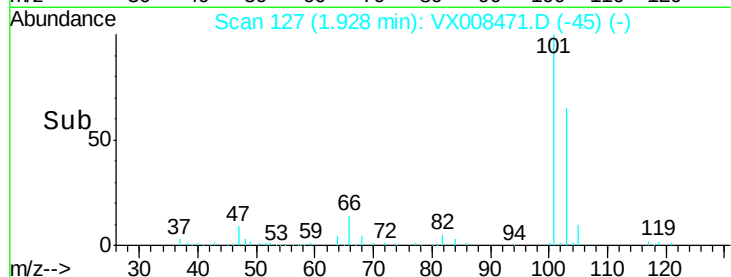
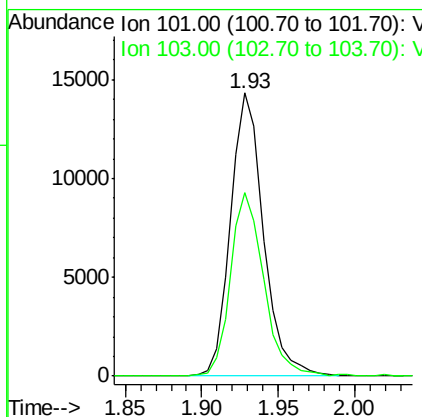
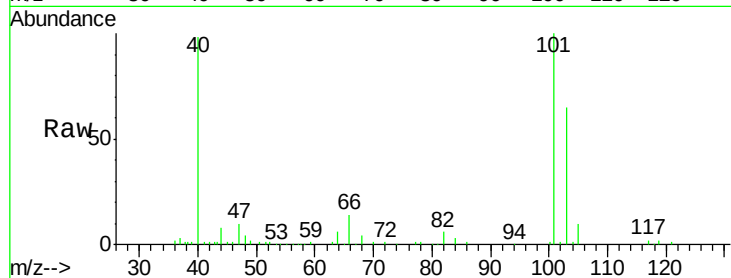
Trichlorofluoromethane
Concen: 5.418 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.4	75.6

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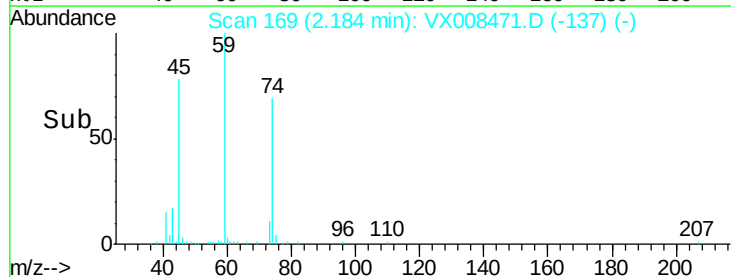
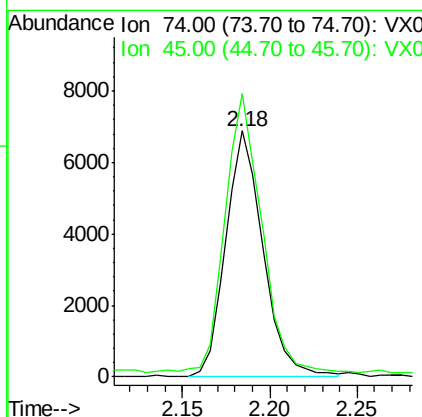
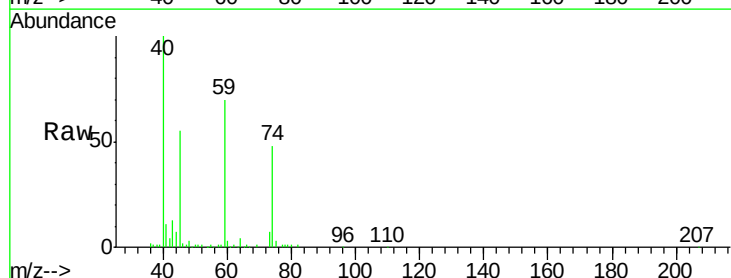
MMDadoda
3/28/2019 9:36:53 AM

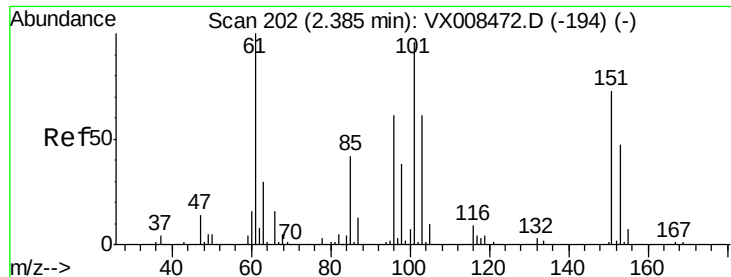


#8

Diethyl Ether
Concen: 6.678 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.7	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.315 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

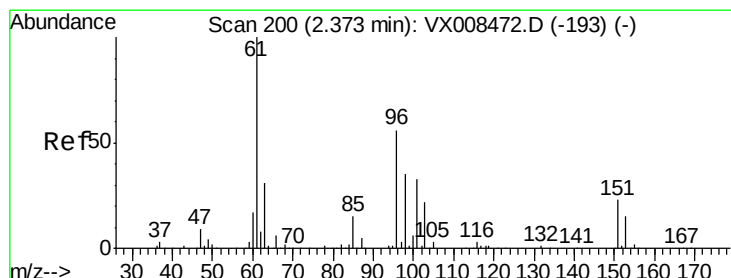
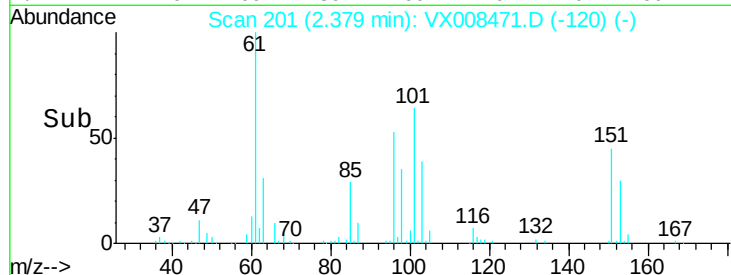
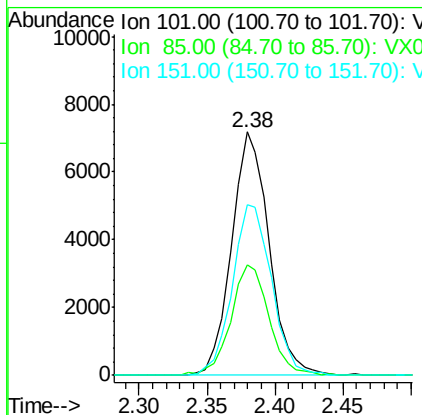
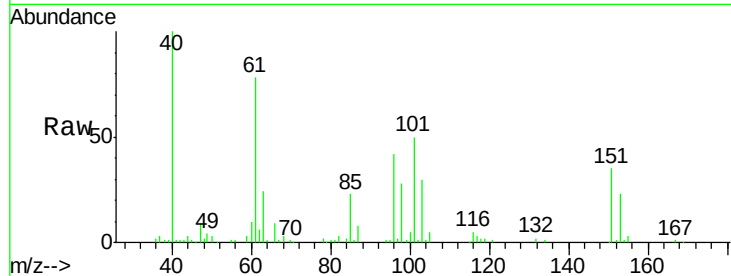
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13788
Ion Ratio	Lower	Upper	
101	100		
85	46.1	0.0	86.8
151	73.2	0.0	169.2

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:36:53 AM



#10

1,1-Dichloroethene

Concen: 6.125 ug/l

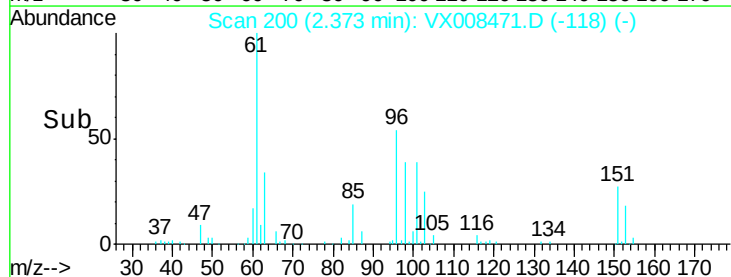
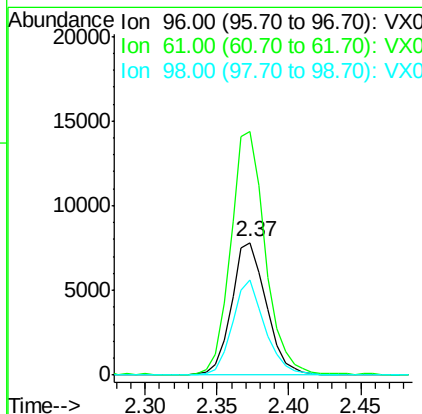
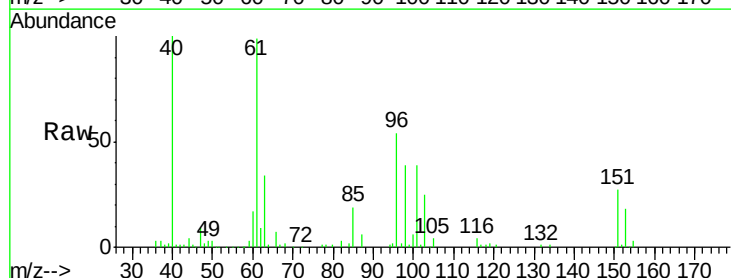
RT: 2.37 min Scan# 200

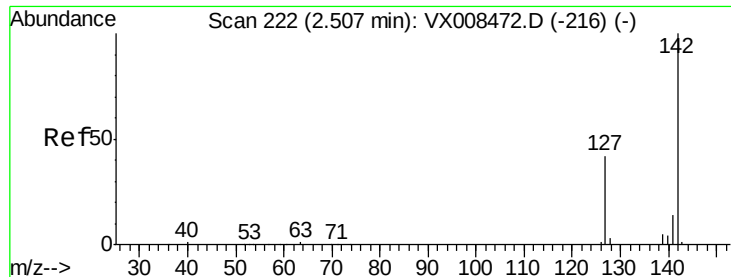
Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Tgt Ion:	96	Resp:	13202
Ion Ratio	Lower	Upper	
96	100		
61	183.9	120.2	180.2#
98	72.1	49.0	73.4





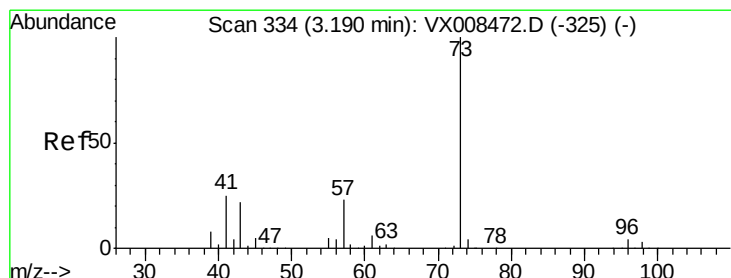
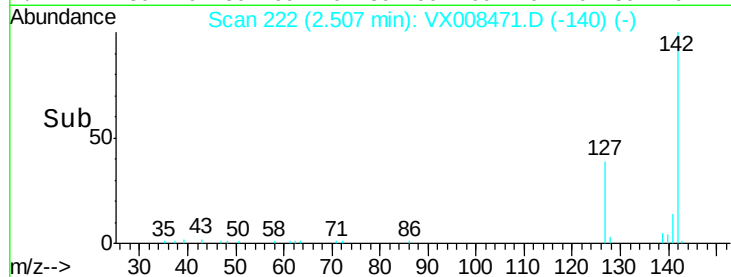
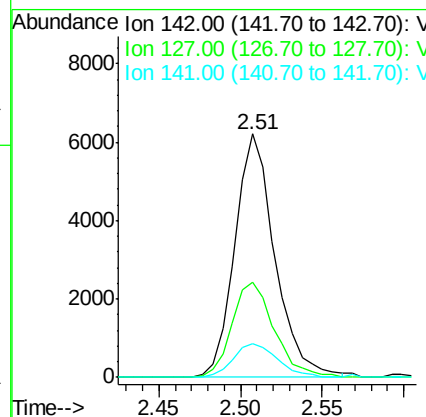
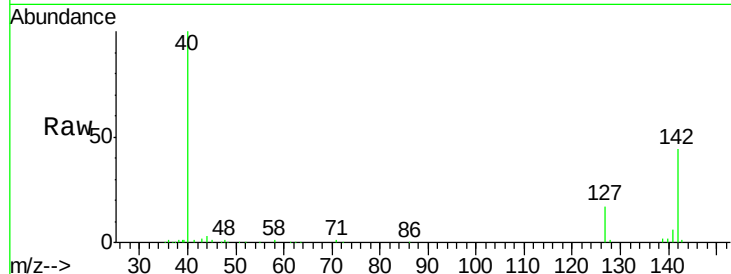
#11
Methvl Iodide
Concen: 3.258 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	22.1	66.5
141	13.8	7.4	22.3

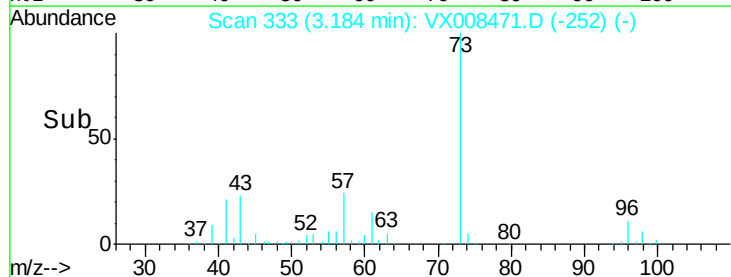
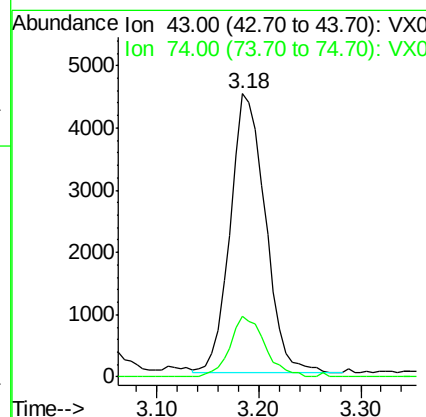
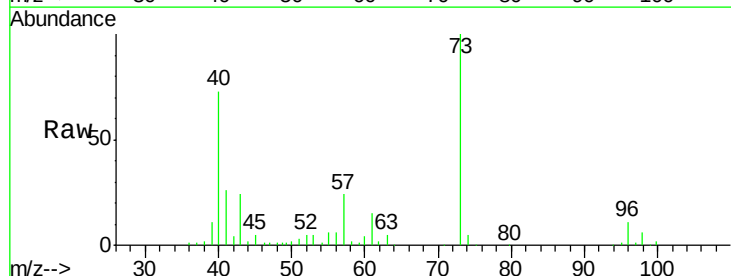
Manual Integrations
APPROVED

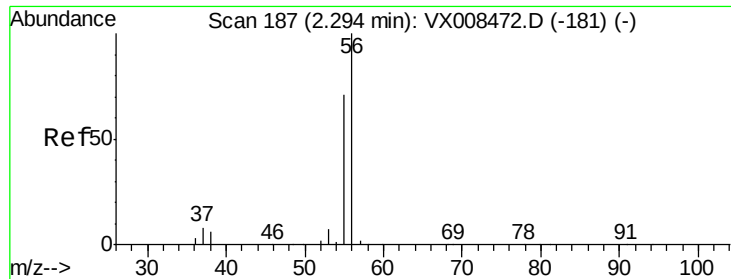
MMDadoda
3/28/2019 9:36:53 AM



#12
Methyl Acetate
Concen: 4.562 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	19.4	29.0





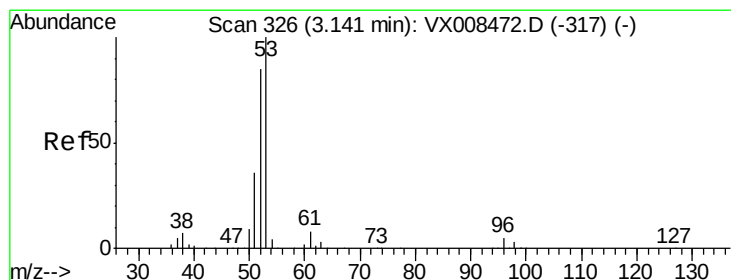
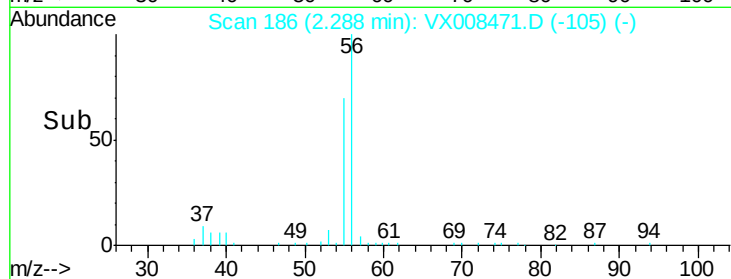
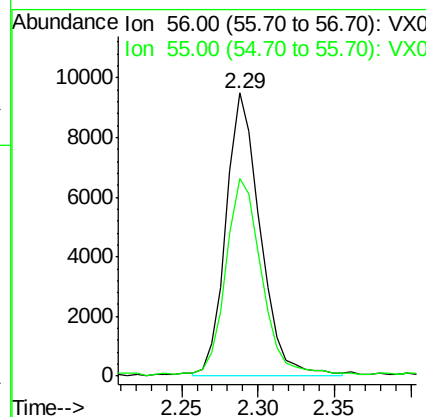
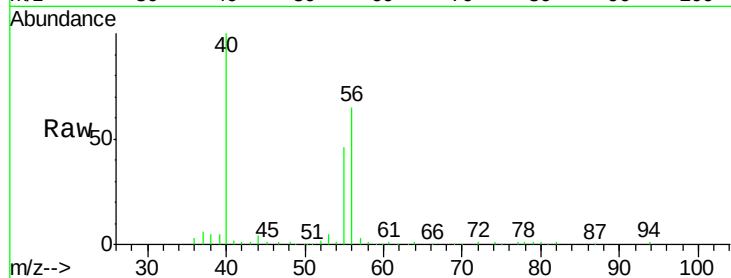
#13
Acrolein
Concen: 40.102 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.7	58.6	87.8	

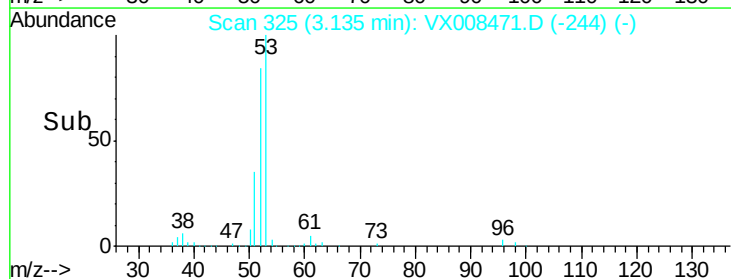
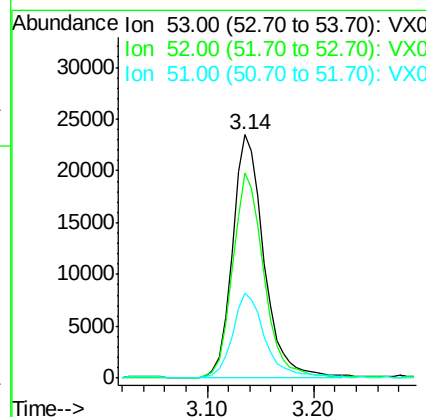
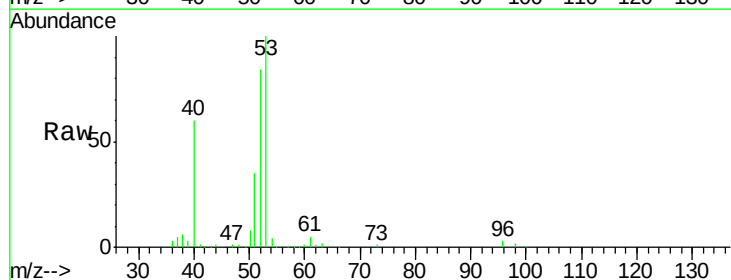
Manual Integrations
APPROVED

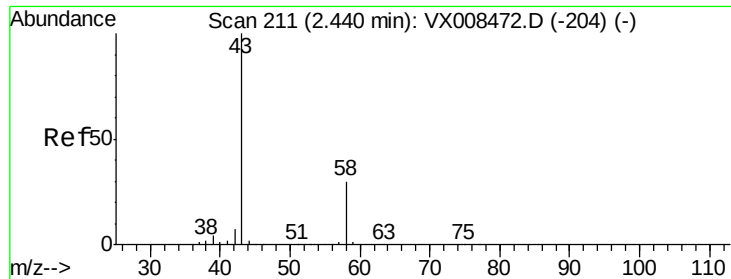
MMDadoda
3/28/2019 9:36:53 AM



#14
Acrylonitrile
Concen: 41.773 ug/l
RT: 3.14 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.6	41.3	124.1	
51	35.7	17.5	52.6	





#15

Acetone

Concen: 31.419 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 14380

Ion Ratio Lower Upper

58 100

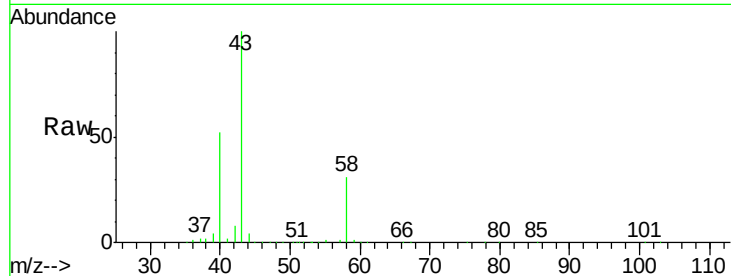
43 319.9 249.8 374.6

Manual Integrations

APPROVED

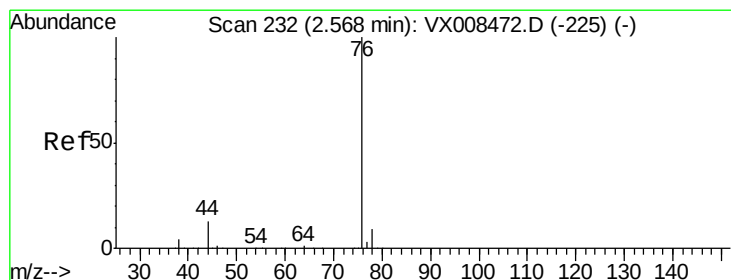
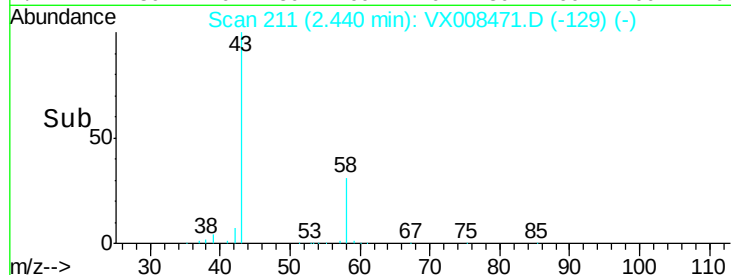
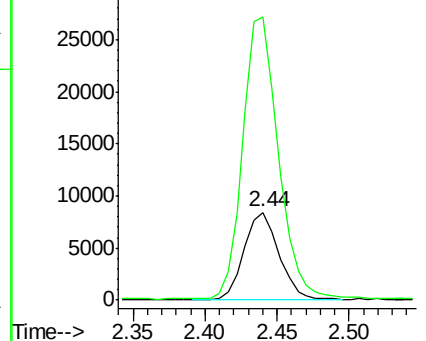
MMDadoda

3/28/2019 9:36:53 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 6.861 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008471.D

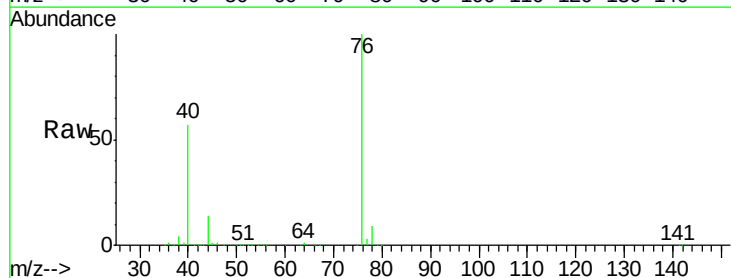
Acq: 27 Mar 2019 10:07

Tgt Ion: 76 Resp: 40999

Ion Ratio Lower Upper

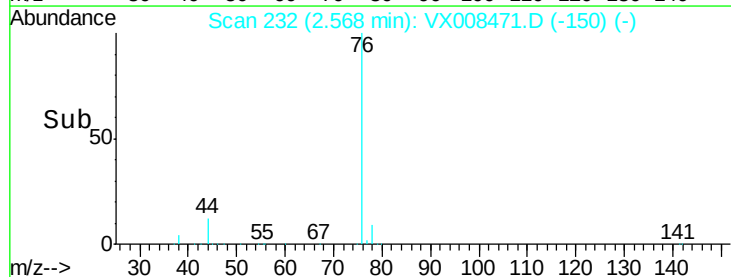
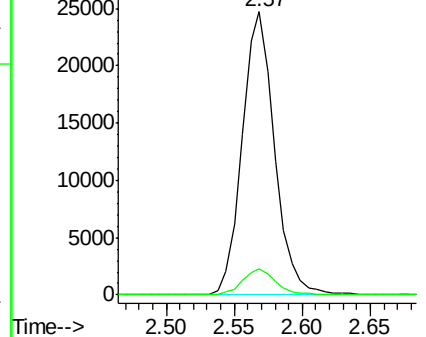
76 100

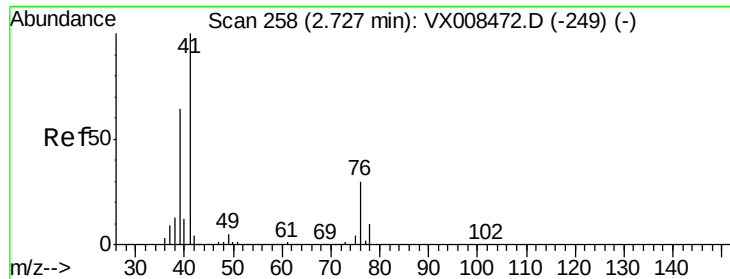
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





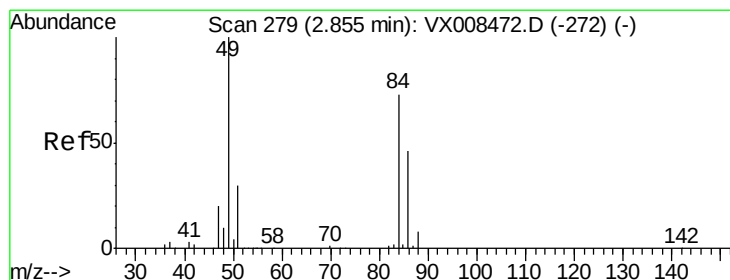
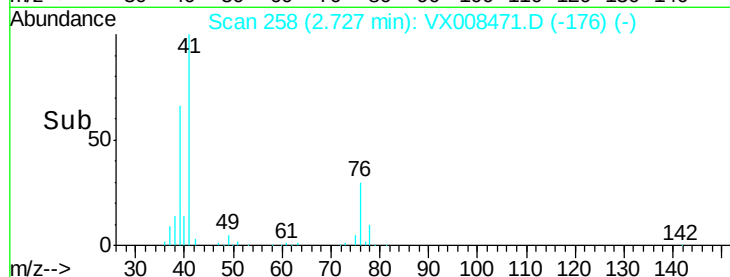
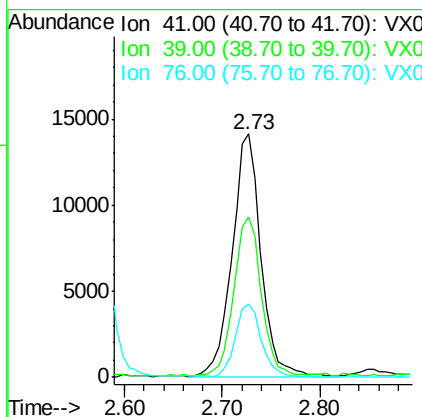
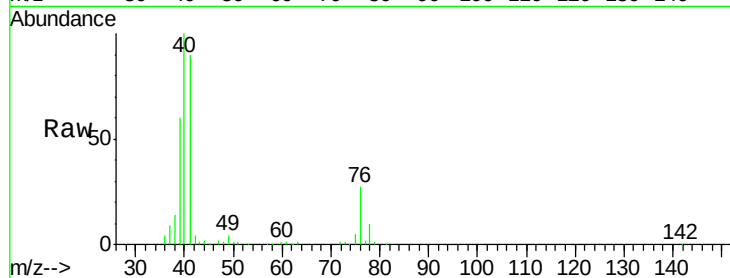
#17
Allvl chloride
Concen: 9.178 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.5	35.8	107.4
76	29.9	18.3	54.9

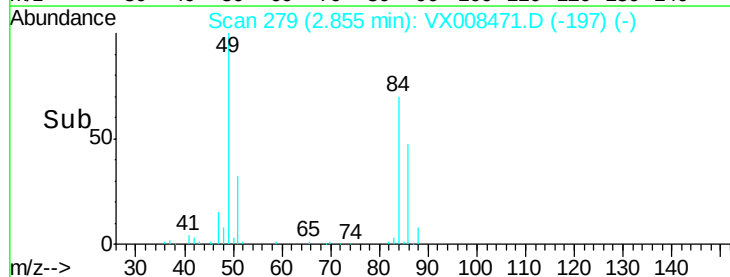
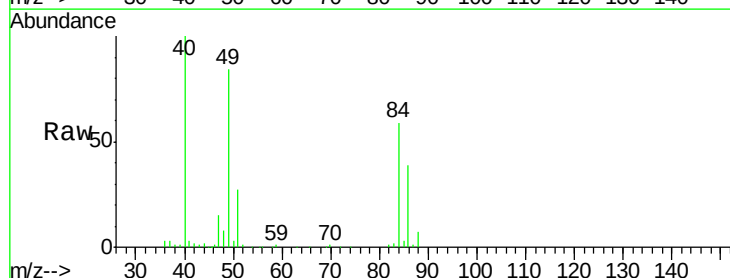
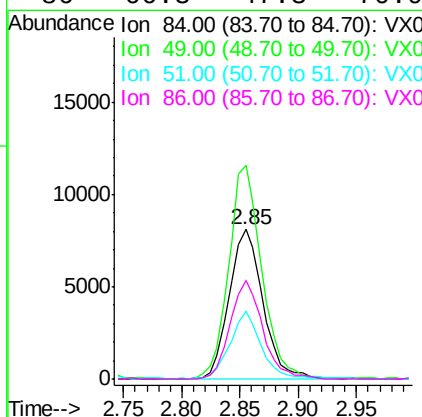
Manual Integrations
APPROVED

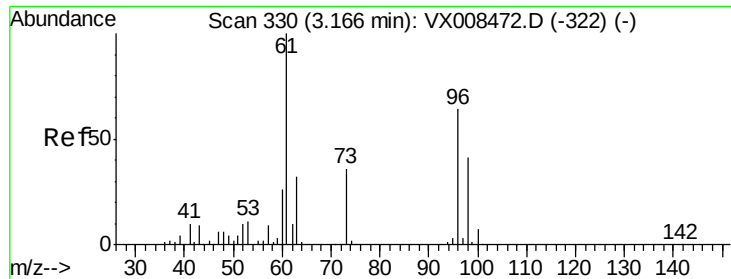
MMDadoda
3/28/2019 9:36:53 AM



#18
Methylene Chloride
Concen: 7.071 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.0	96.1	144.1
51	45.4	29.1	43.7#
86	66.3	47.3	70.9





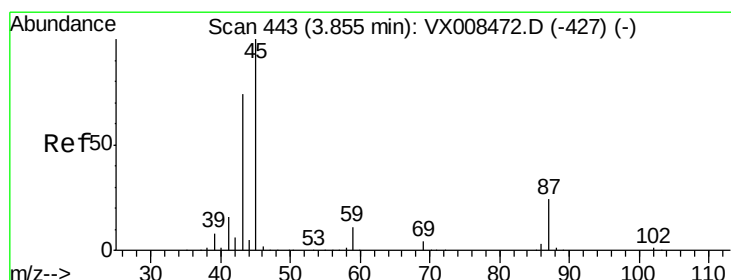
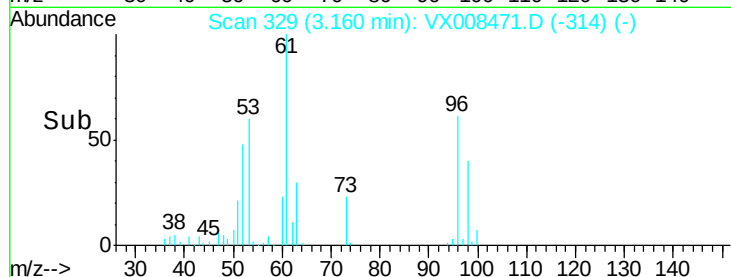
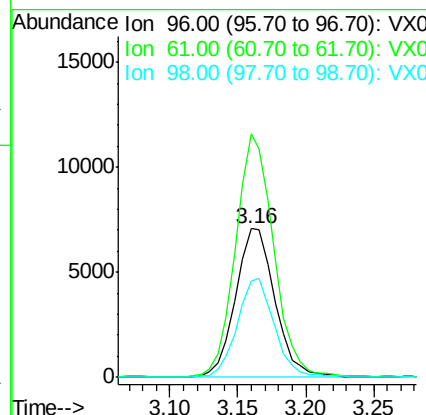
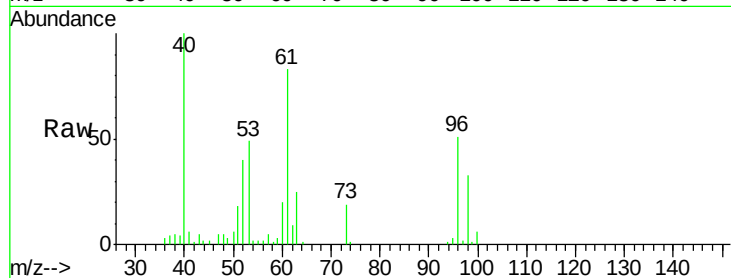
#19
trans-1,2-Dichloroethene
Concen: 6.254 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.0	109.9	164.9
98	64.7	50.4	75.6

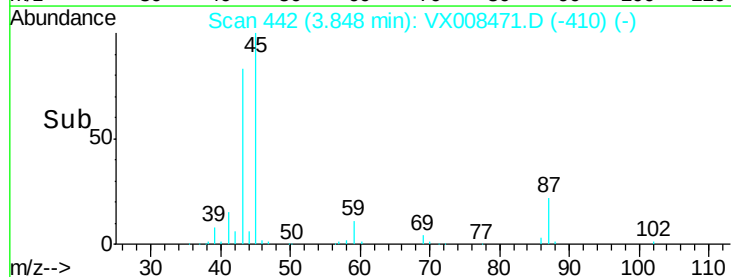
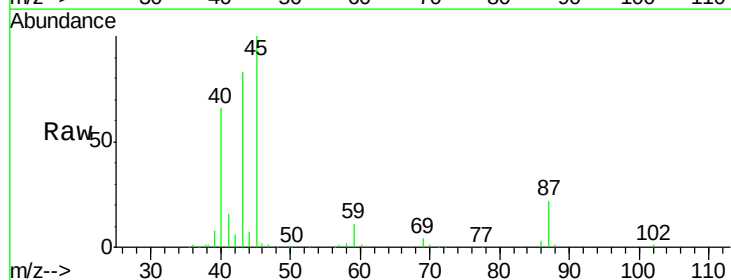
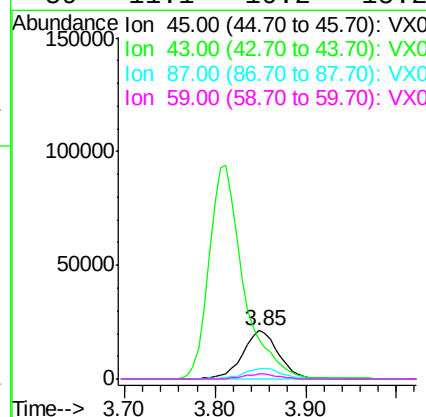
Manual Integrations
APPROVED

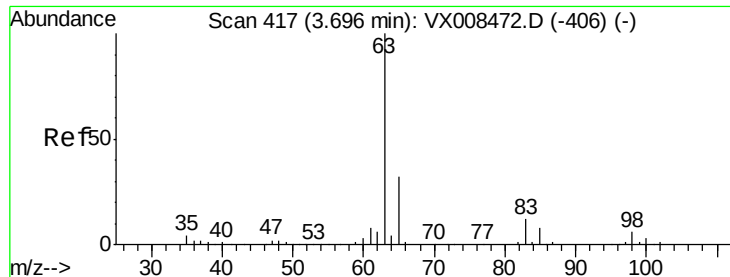
MMDadoda
3/28/2019 9:36:53 AM



#20
Diisopropyl ether
Concen: 8.759 ug/l
RT: 3.85 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	81.5	50.6	76.0#
87	22.0	24.5	36.7#
59	11.1	10.2	15.2





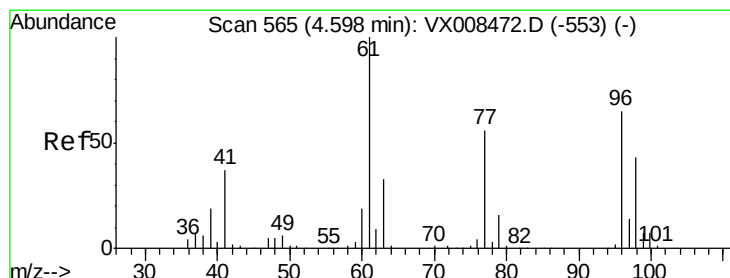
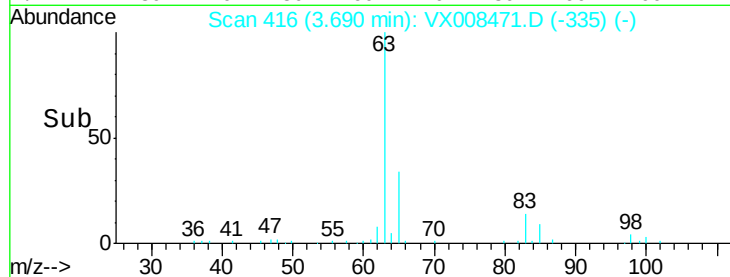
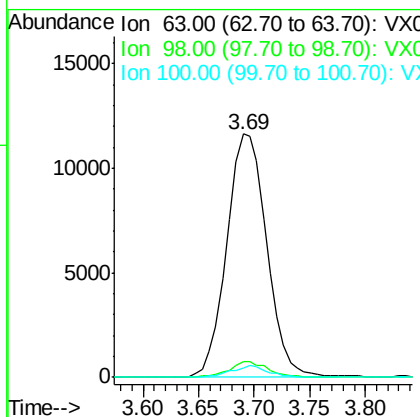
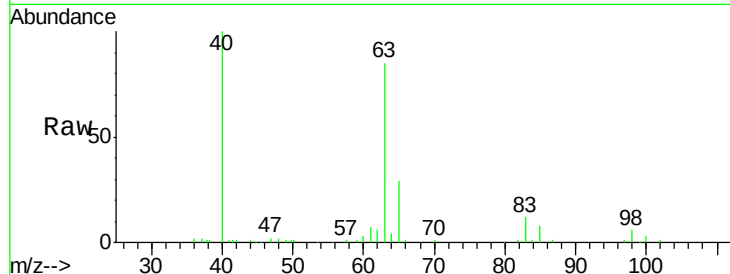
#21
 1,1-Dichloroethane
 Concen: 7.400 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
63	100	29062		
98	6.5		3.8	11.4
100	3.9		2.4	7.1

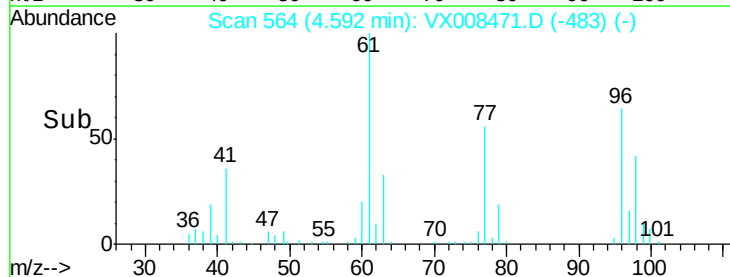
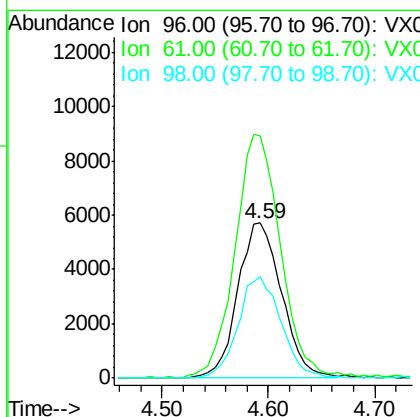
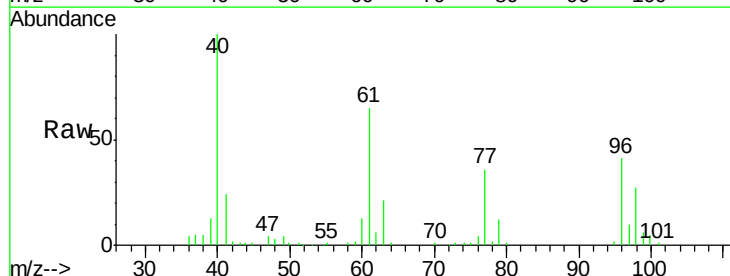
Manual Integrations
 APPROVED

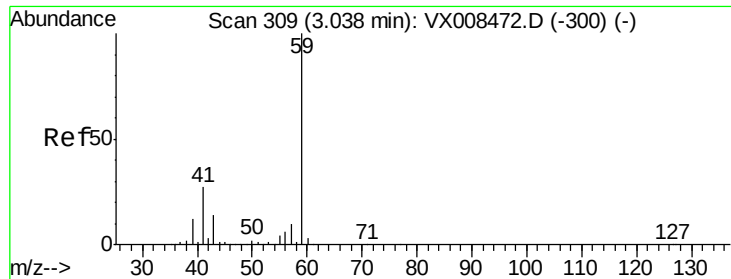
MMDadoda
 3/28/2019 9:36:53 AM



#22
 cis-1,2-Dichloroethene
 Concen: 6.279 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	16569		
61	161.7		103.5	155.3#
98	63.8		52.1	78.1





#23

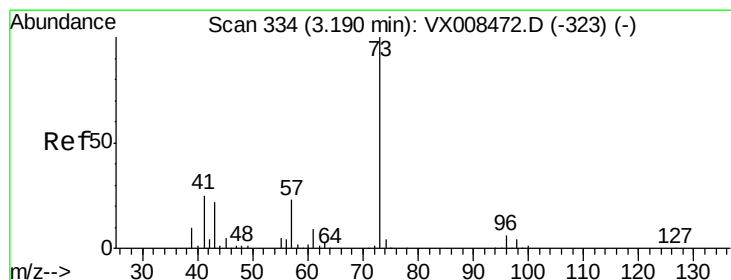
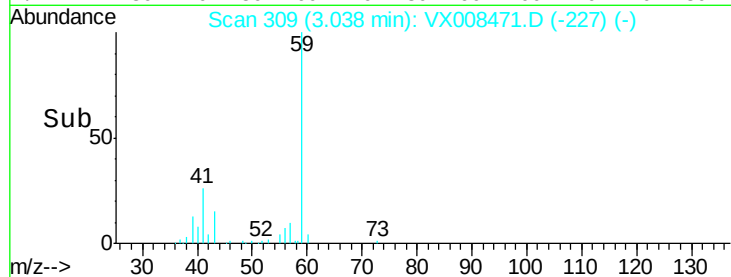
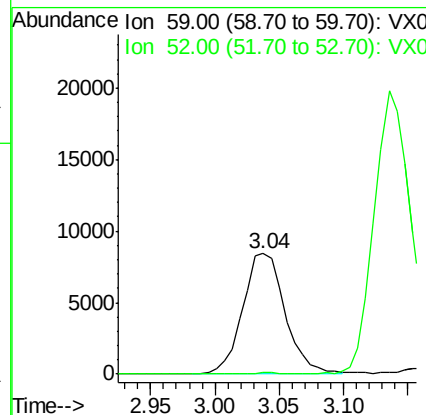
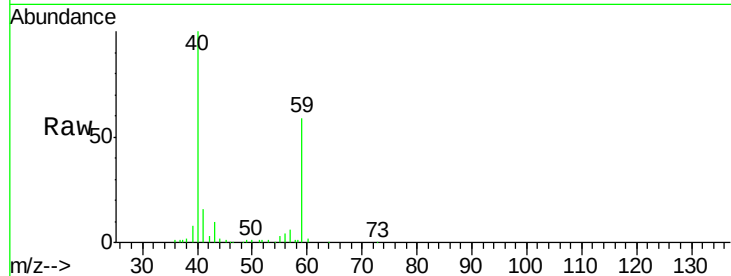
tert-Butyl Alcohol
Concen: 40.661 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.5	0.2	0.2#

Manual Integrations
APPROVED

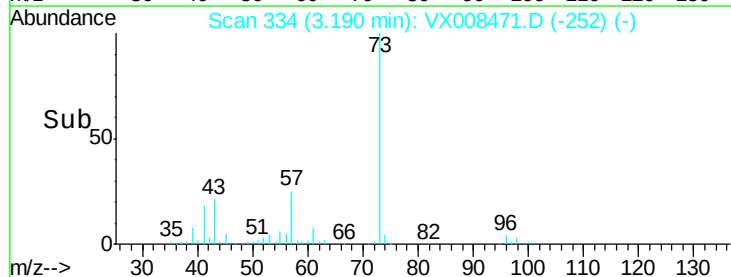
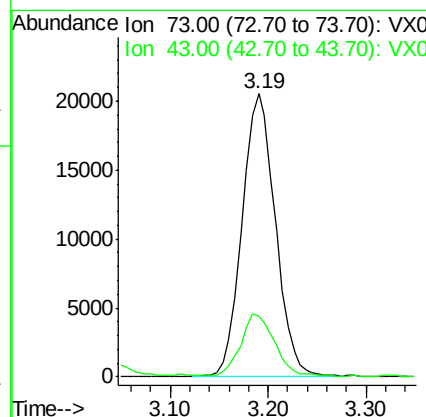
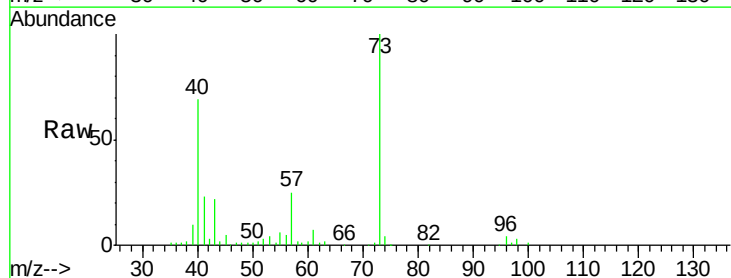
MMDadoda
3/28/2019 9:36:53 AM

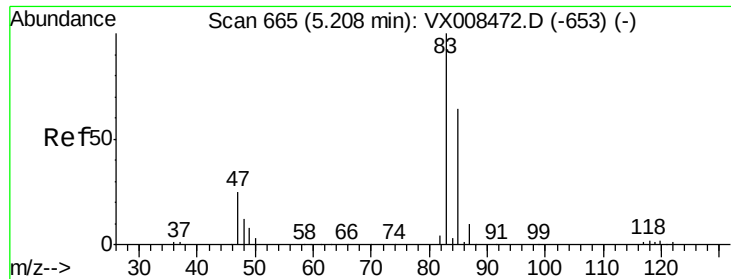


#24

Methyl tert-Butyl Ether
Concen: 7.012 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.1	17.1	25.7





#25

Chloroform

Concen: 6.410 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 26707

Ion Ratio Lower Upper

83 100

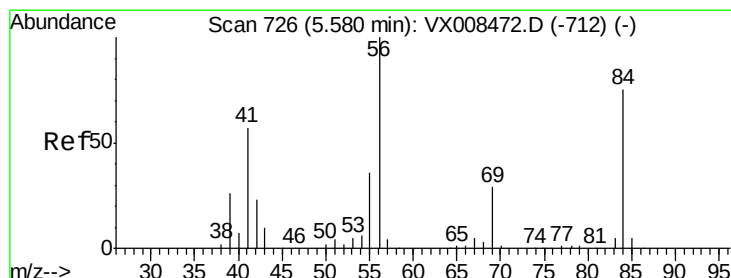
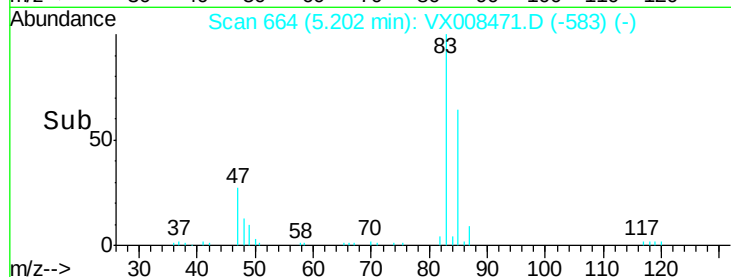
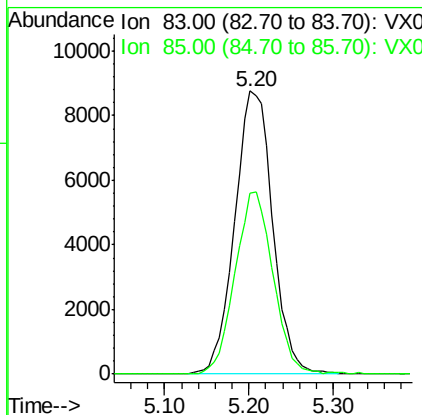
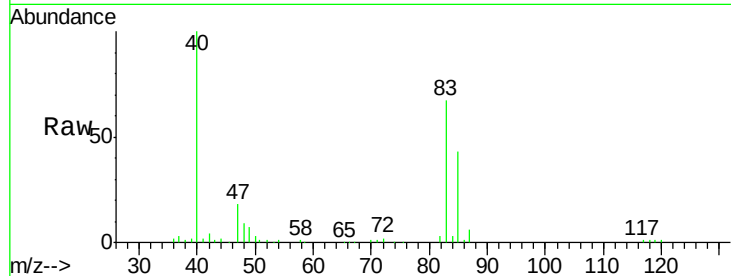
85 63.8 53.8 80.6

Manual Integrations

APPROVED

MMDadoda

3/28/2019 9:36:53 AM



#26

Cyclohexane

Concen: 8.426 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

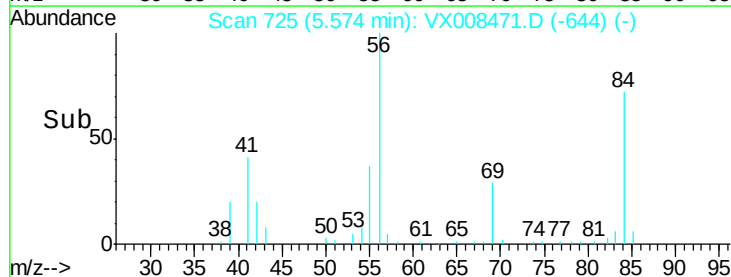
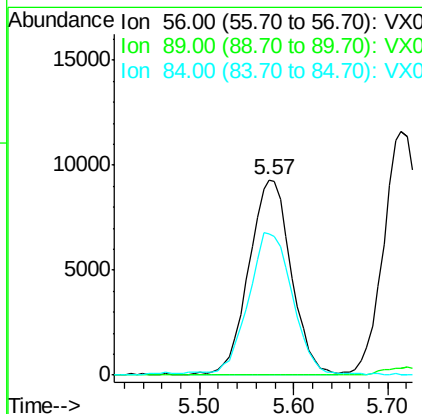
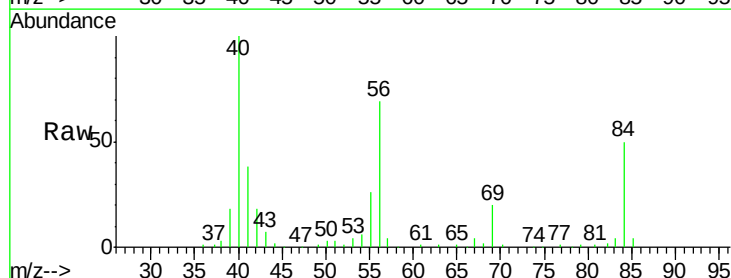
Tgt Ion: 56 Resp: 29266

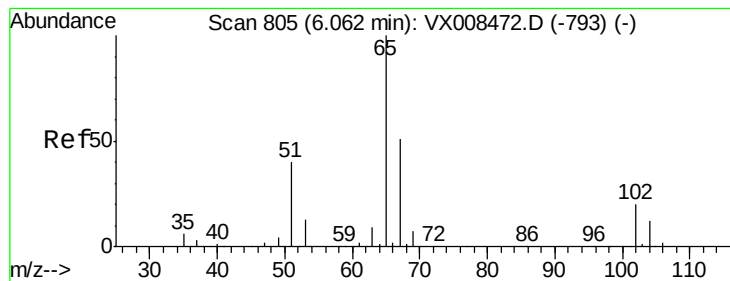
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 74.3 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 36.742 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 100710

Ion Ratio Lower Upper

65 100

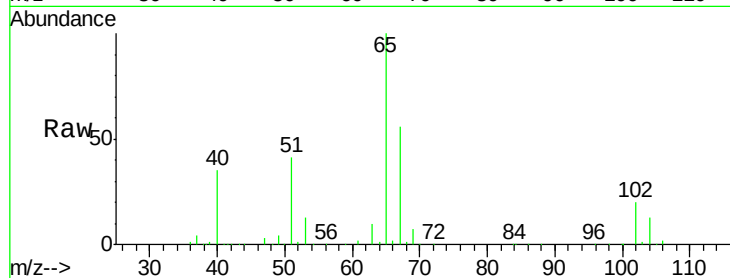
67 54.1 42.9 64.3

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

40000

30000

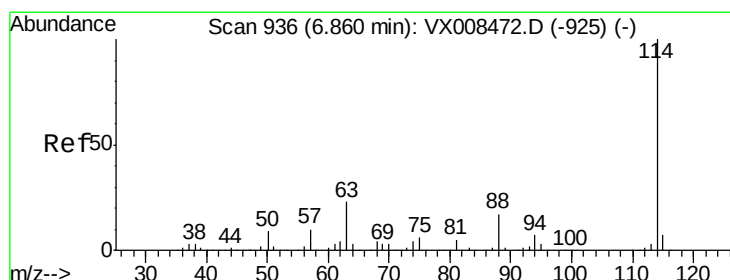
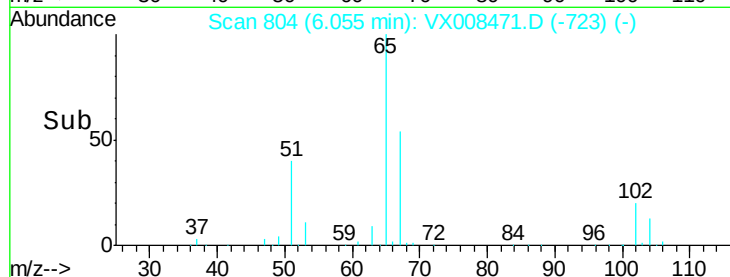
20000

10000

0

6.00 6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

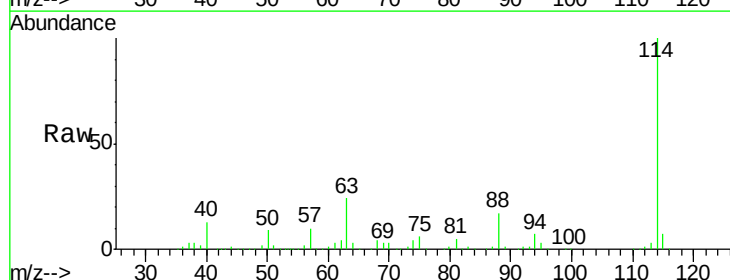
Tgt Ion: 114 Resp: 233382

Ion Ratio Lower Upper

114 100

63 23.7 14.2 21.4#

88 17.0 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

6.85

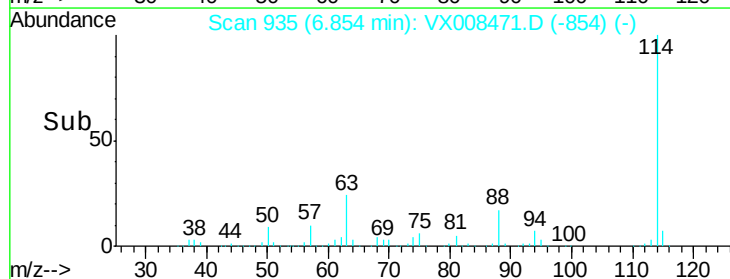
100000

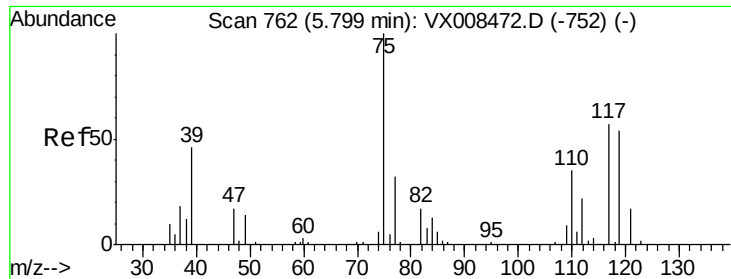
50000

0

6.80 6.90

Time-->





#29

1,1-Dichloropropene

Concen: 6.072 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

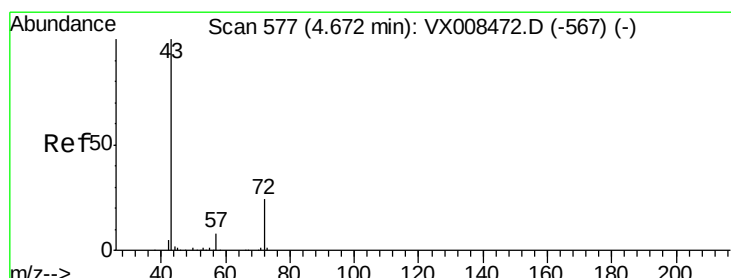
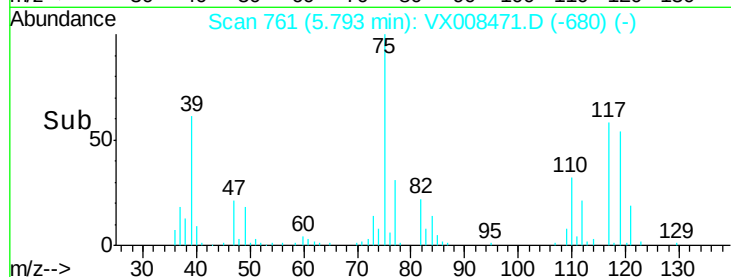
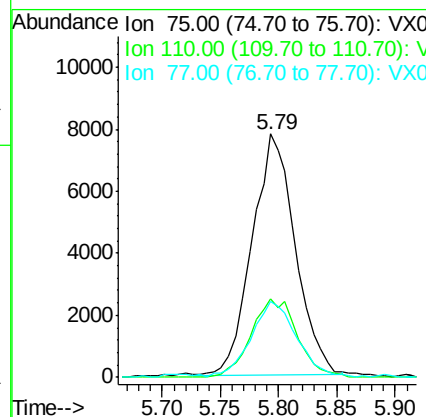
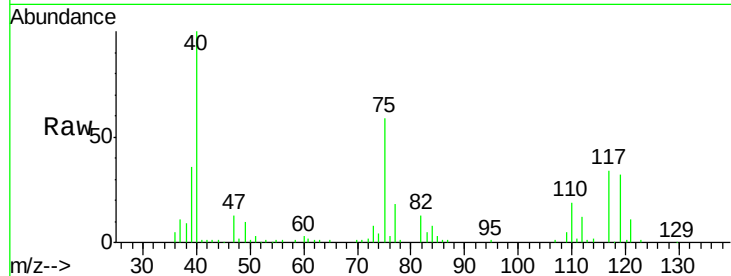
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	20126
Ion Ratio	Lower	Upper	
75	100		
110	34.9	0.0	80.8
77	33.2	0.0	62.4

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#30

2-Butanone

Concen: 37.389 ug/l

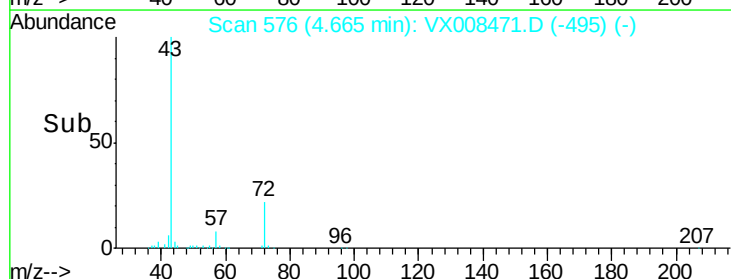
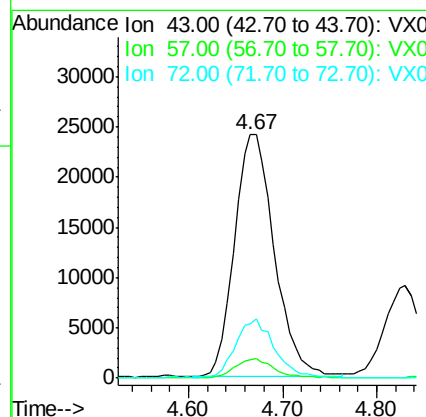
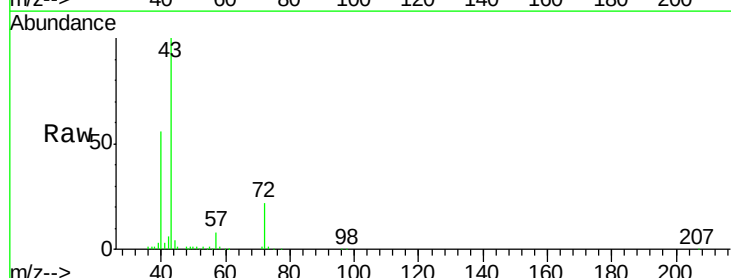
RT: 4.67 min Scan# 576

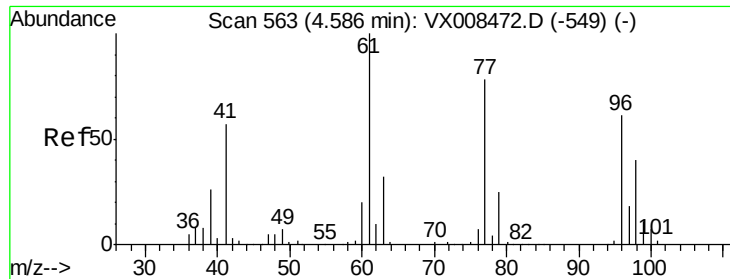
Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Tgt Ion:	43	Resp:	71384
Ion Ratio	Lower	Upper	
43	100		
57	7.5	7.0	10.6
72	23.6	21.5	32.3





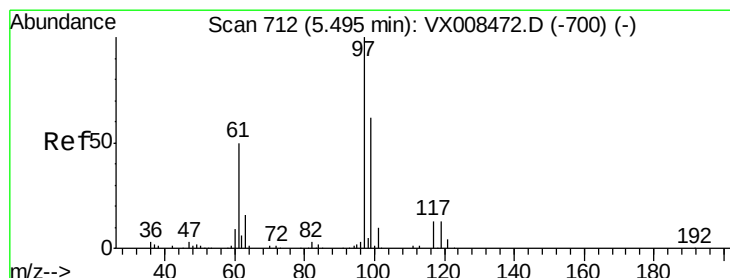
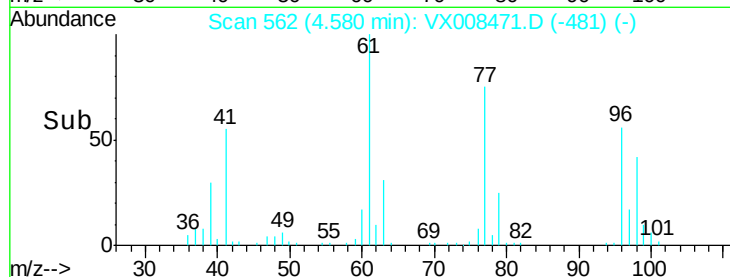
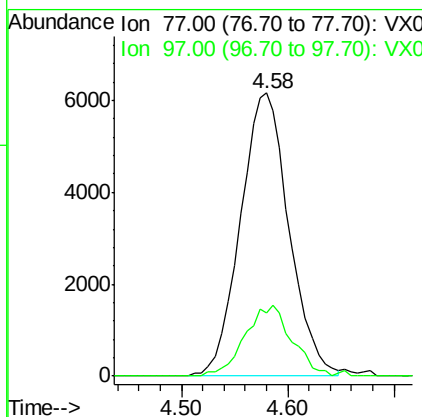
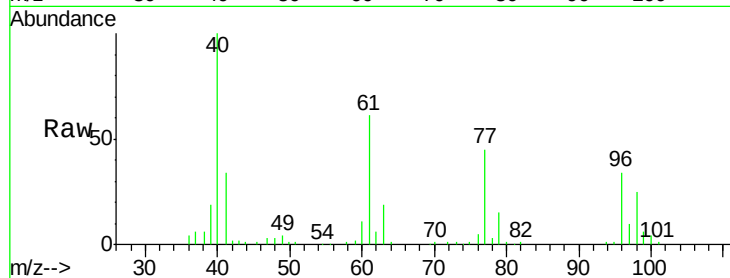
#31
 2,2-Dichloropropane
 Concen: 6.288 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 19624
 Ion Ratio Lower Upper
 77 100
 97 23.8 20.6 31.0

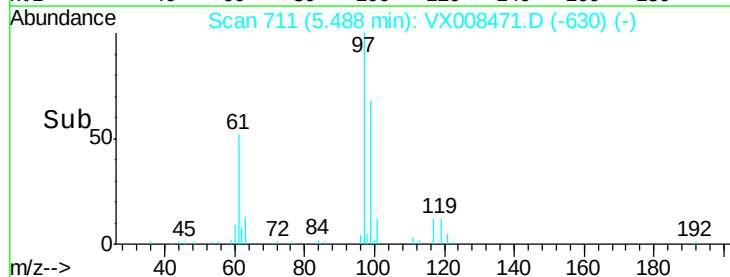
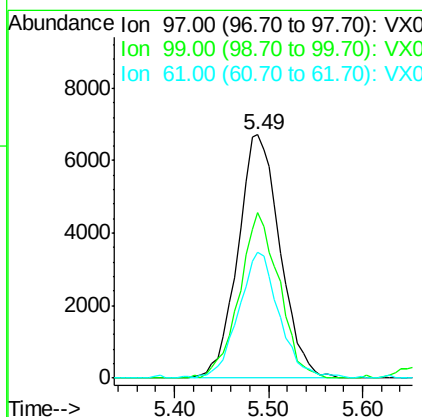
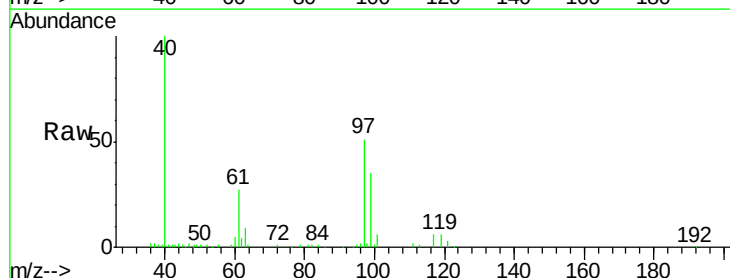
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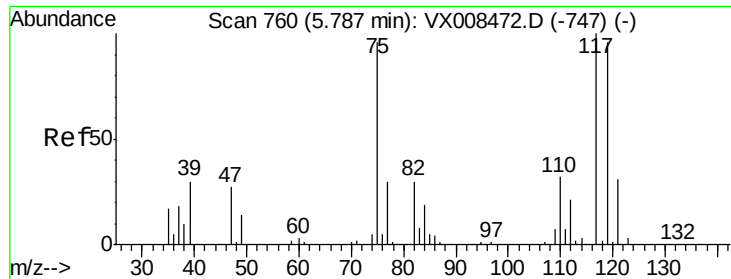
MMDadoda
 3/28/2019 9:36:53 AM



#32
 1,1,1-Trichloroethane
 Concen: 5.377 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion: 97 Resp: 20970
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.7 77.5
 61 49.3 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 4.842 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

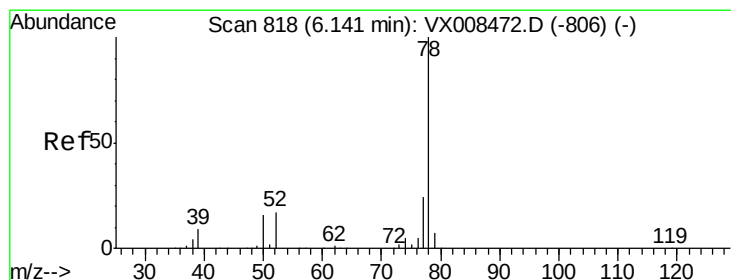
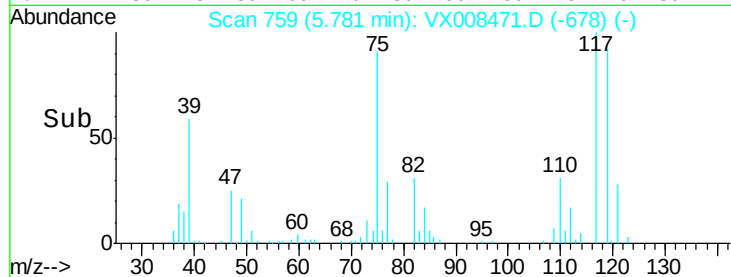
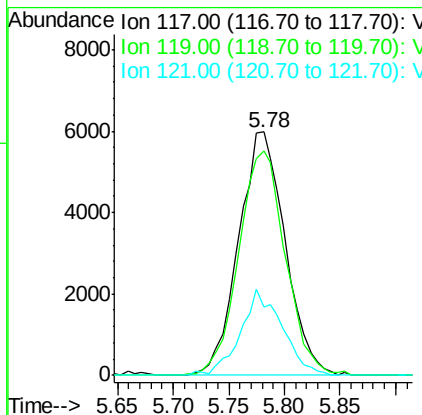
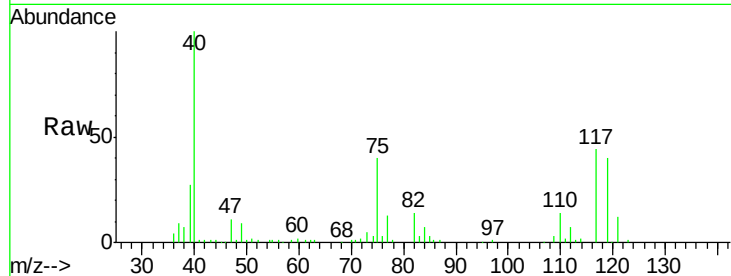
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.4	78.1	117.1
121	28.0	27.0	40.6

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#34

Benzene

Concen: 6.414 ug/l

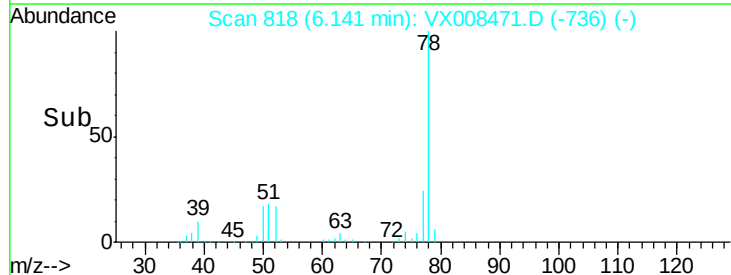
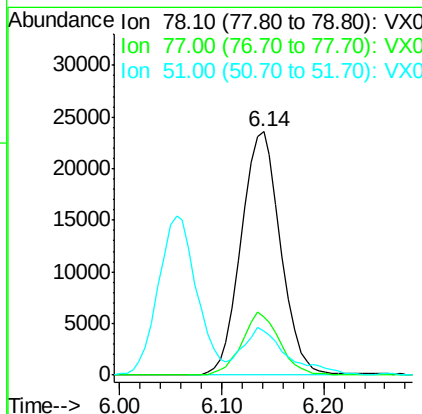
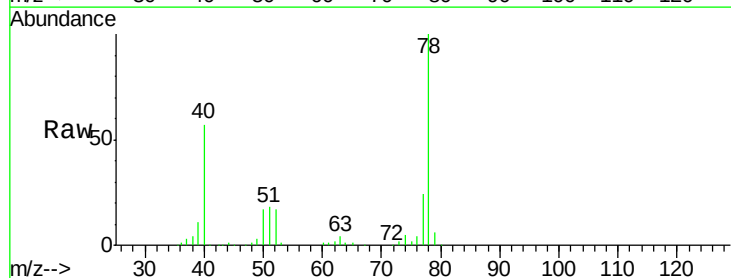
RT: 6.14 min Scan# 818

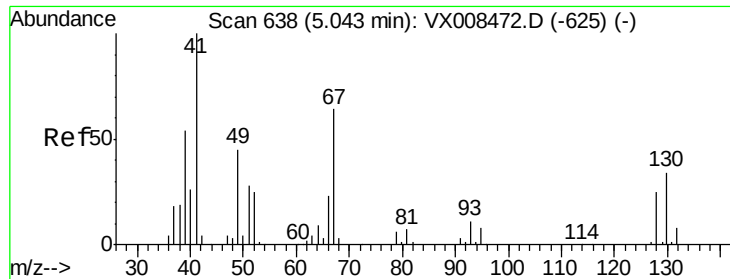
Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7
51	16.1	10.8	16.2





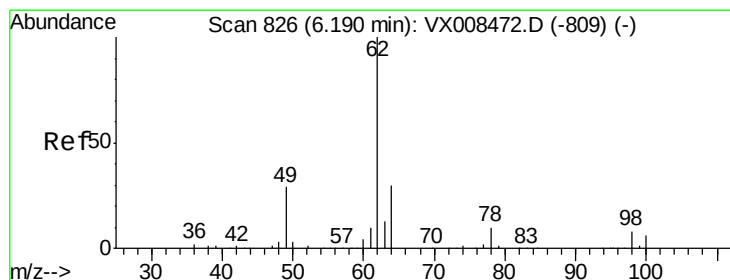
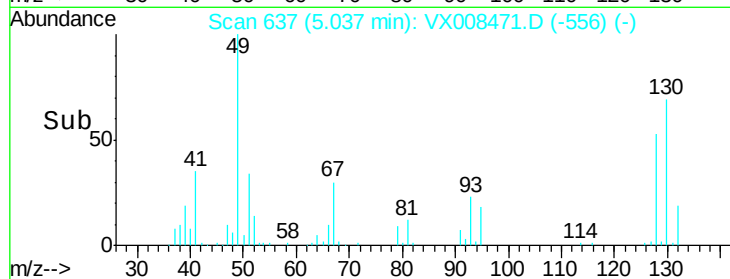
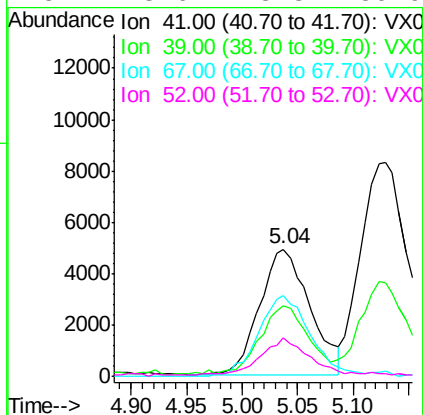
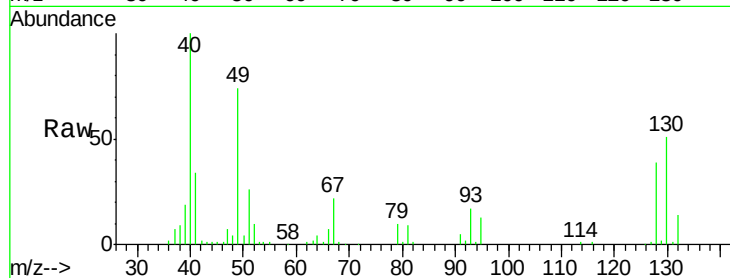
#35
Methacrylonitrile
Concen: 8.635 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	15357
Ion Ratio	Lower	Upper	
41	100		
39	54.1	27.4	82.0
67	63.9	37.9	113.6
52	28.6	13.3	39.9

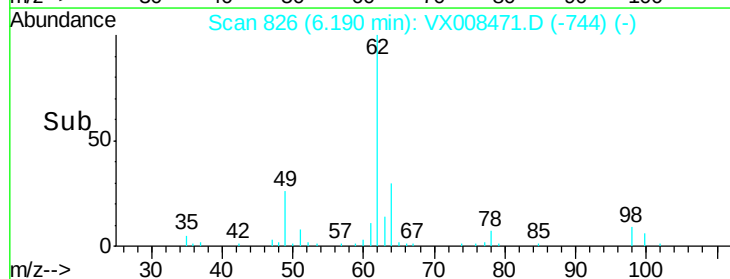
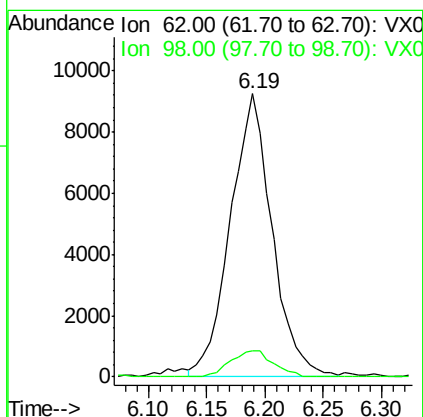
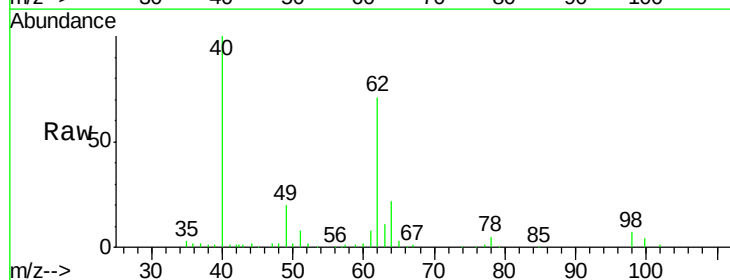
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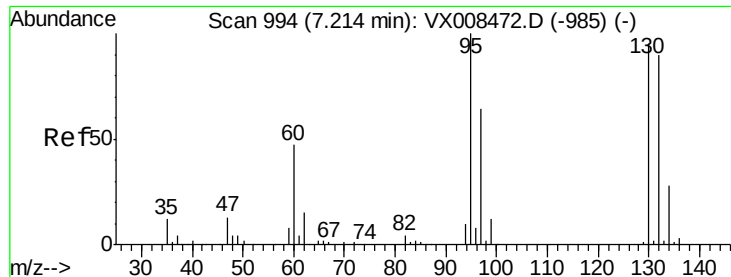
MMDadoda
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#36
1,2-Dichloroethane
Concen: 6.348 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion:	62	Resp:	23102
Ion Ratio	Lower	Upper	
62	100		
98	9.6	7.8	11.8





#37

Trichloroethene

Concen: 4.985 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 14471

Ion Ratio Lower Upper

130 100

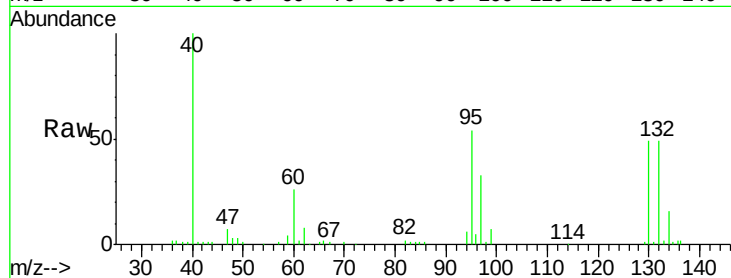
95 111.6 71.3 106.9#

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

8000

6000

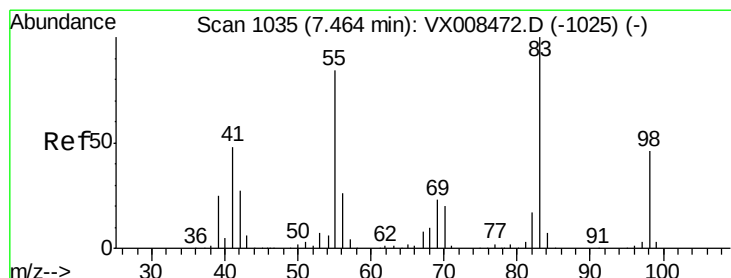
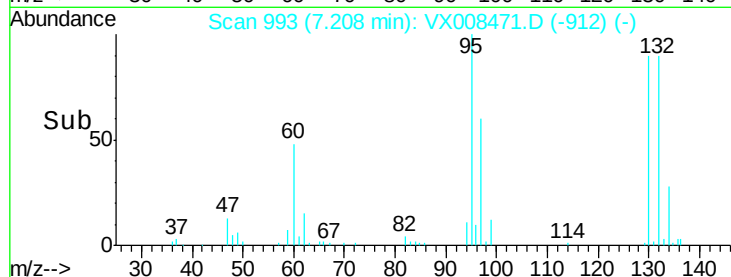
4000

2000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 6.326 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

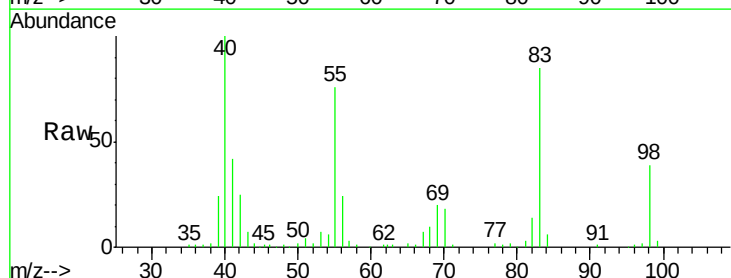
Tgt Ion: 83 Resp: 26282

Ion Ratio Lower Upper

83 100

55 86.3 36.0 108.0

98 44.2 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

15000

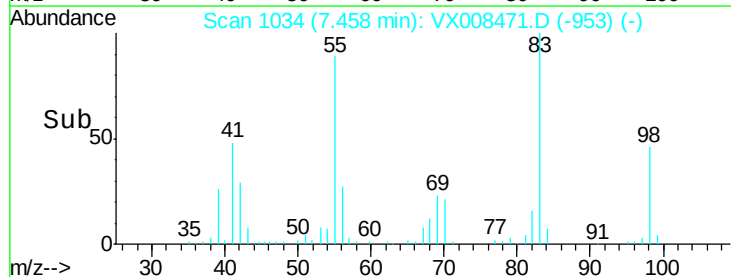
10000

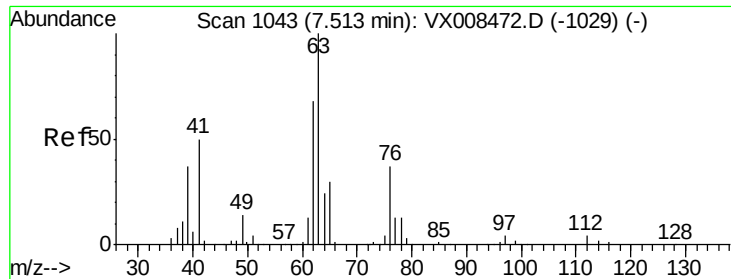
5000

0

7.35 7.40 7.45 7.50 7.55

Time-->





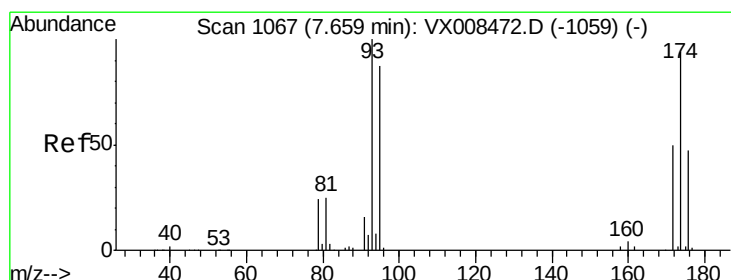
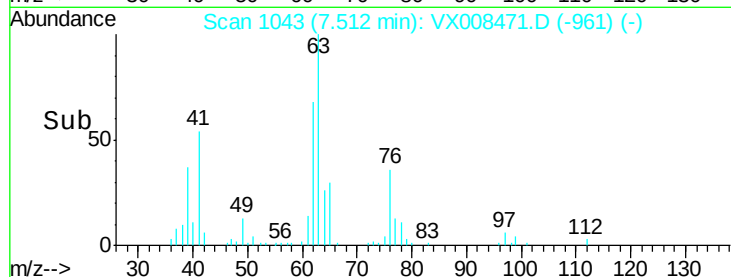
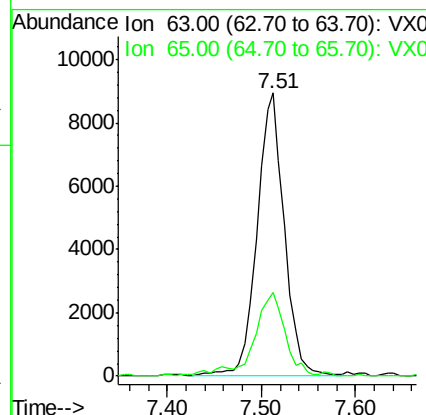
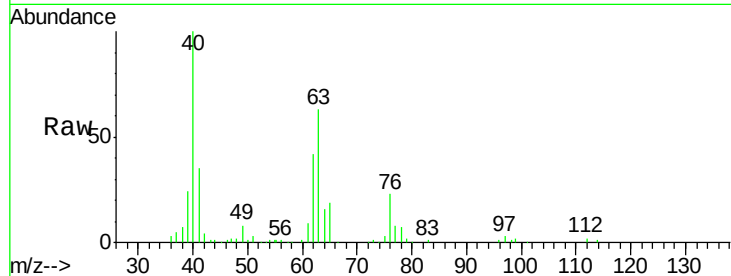
#39
 1,2-Dichloropropane
 Concen: 7.260 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18239
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 37.0

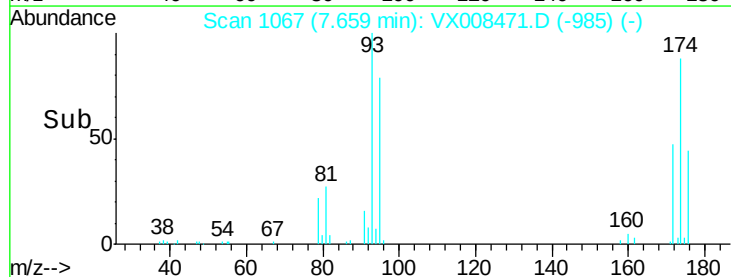
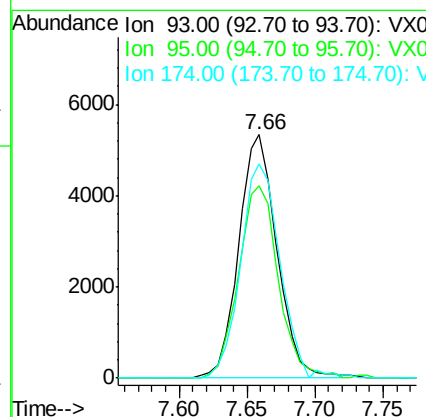
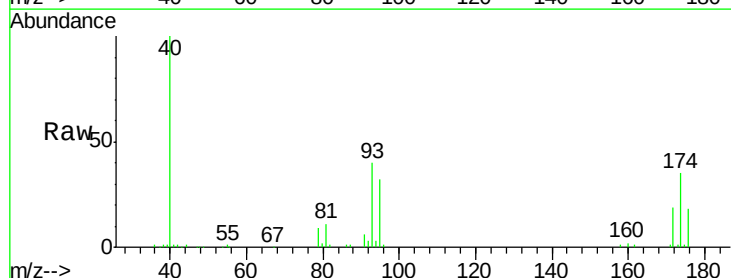
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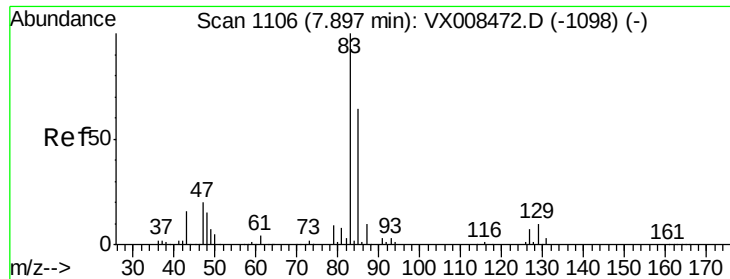
MMDadoda
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#40
 Dibromomethane
 Concen: 5.689 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion: 93 Resp: 10483
 Ion Ratio Lower Upper
 93 100
 95 81.7 0.0 158.8
 174 89.4 0.0 224.2





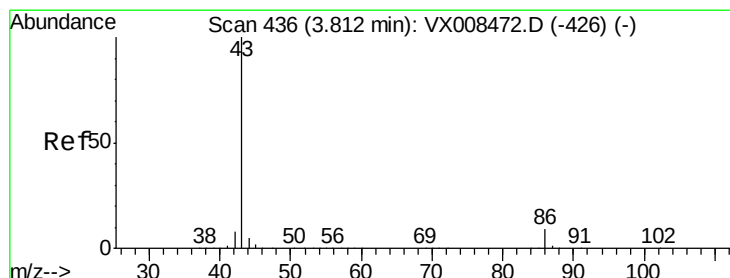
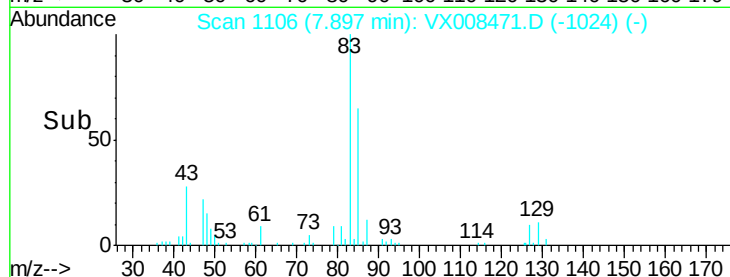
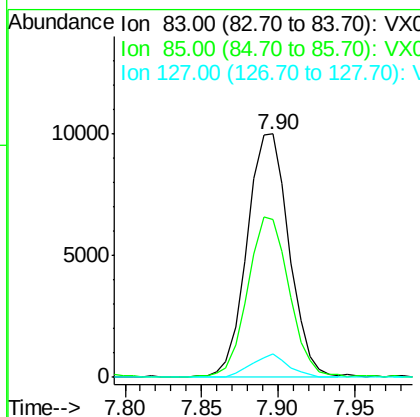
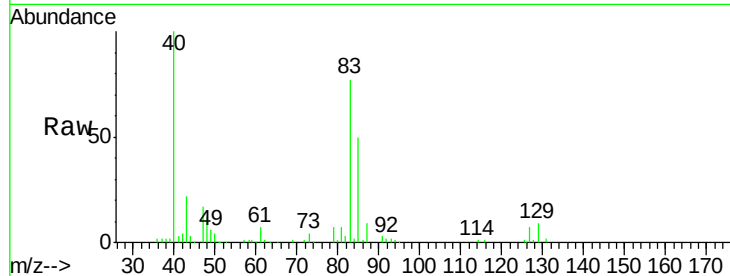
#41
Bromodichloromethane
Concen: 5.475 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	10.6	7.2	10.8

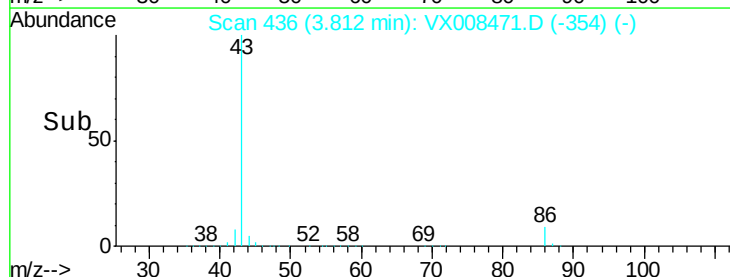
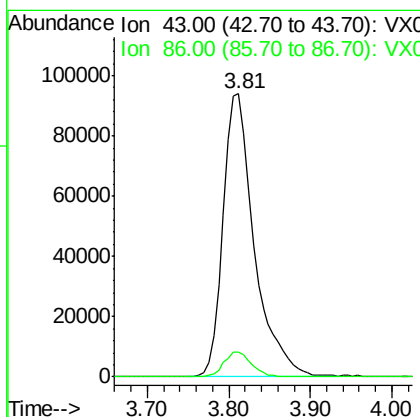
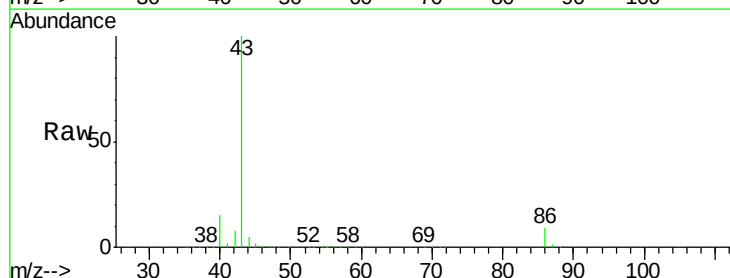
Manual Integrations
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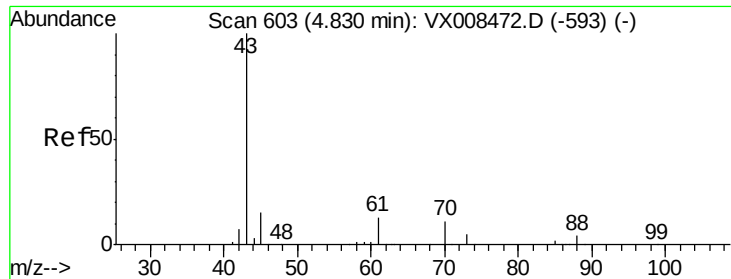
MMDadoda
3/28/2019 9:36:53 AM



#42
Vinyl Acetate
Concen: 38.654 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

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





#43

Ethyl Acetate

Concen: 7.494 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25255

Ion Ratio Lower Upper

43 100

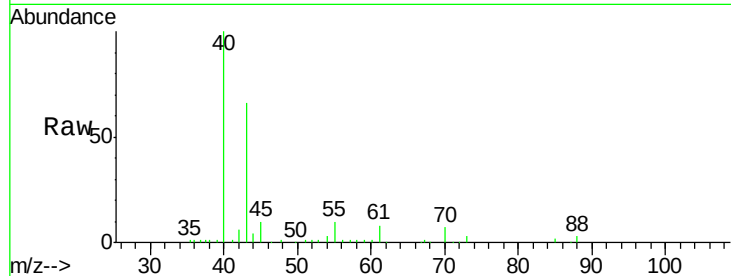
45 17.8 6.9 10.3#

Manual Integrations

APPROVED

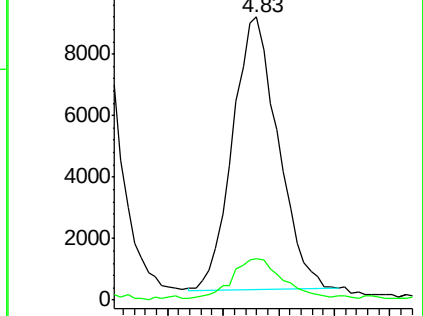
MMDadoda

3/28/2019 9:36:53 AM

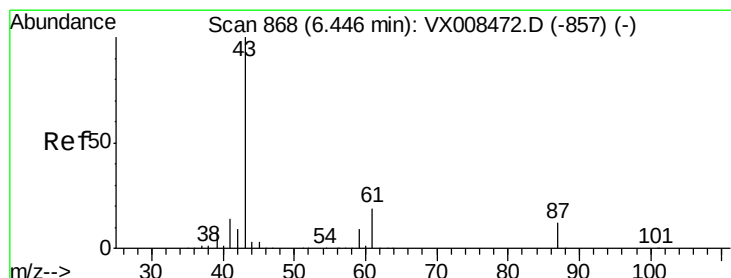
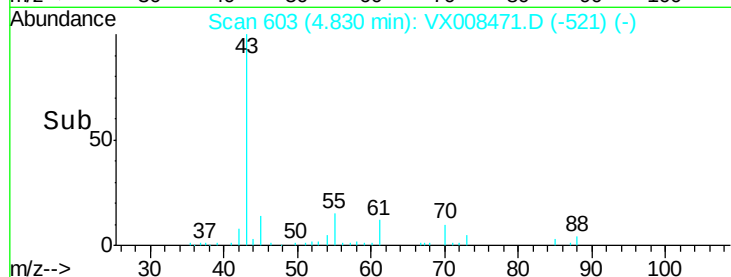


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#44

Isopropyl Acetate

Concen: 7.704 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008471.D

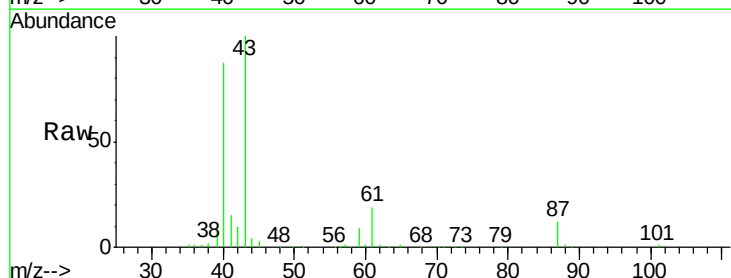
Acq: 27 Mar 2019 10:07

Tgt Ion: 43 Resp: 40859

Ion Ratio Lower Upper

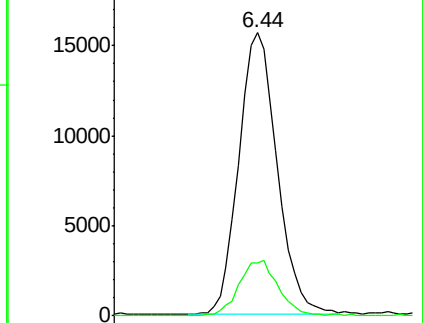
43 100

61 20.0 16.1 24.1

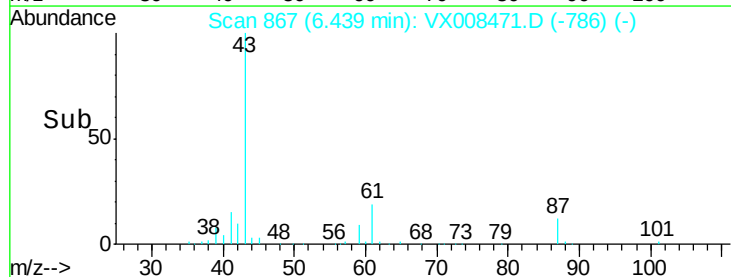


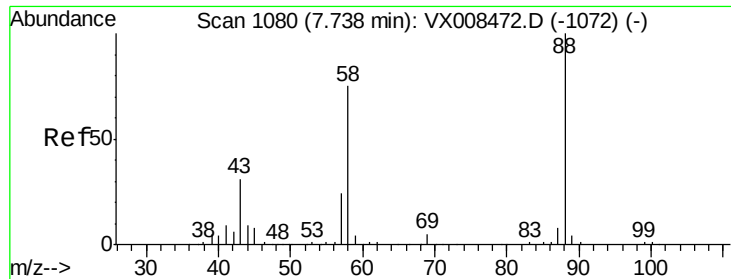
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





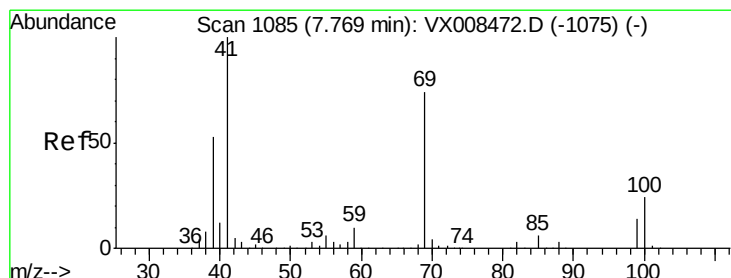
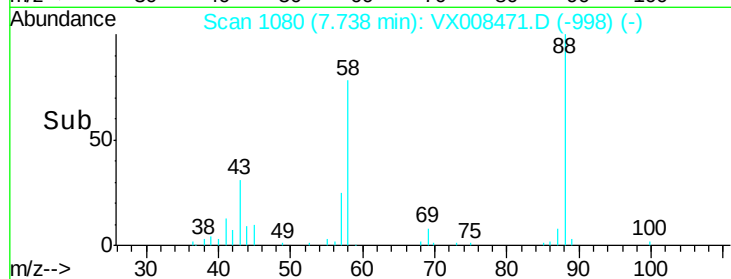
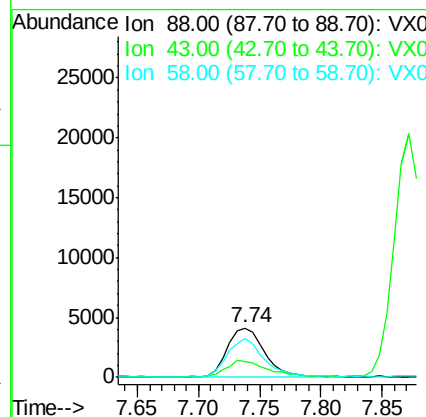
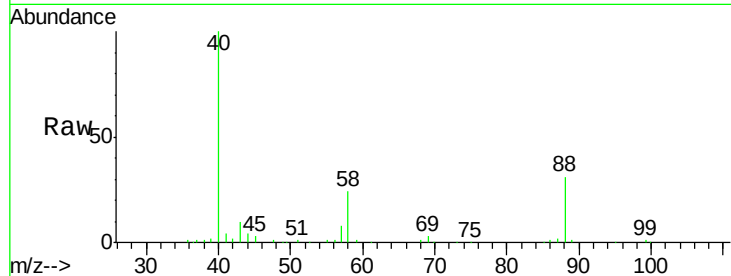
#45
 1,4-Dioxane
 Concen: 132.053 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	23.6	35.4
58	77.7	51.6	77.4#

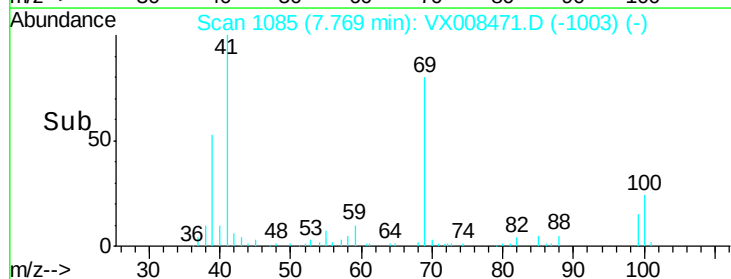
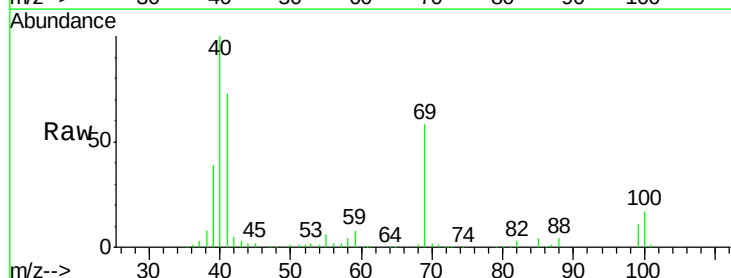
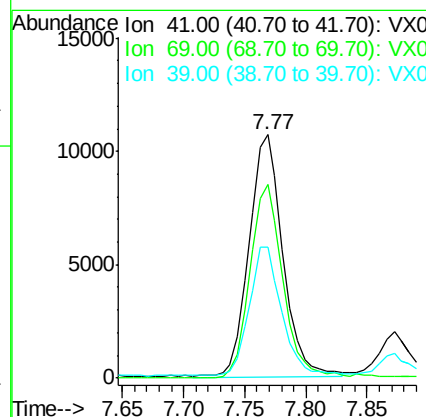
Manual Integrations
 APPROVED

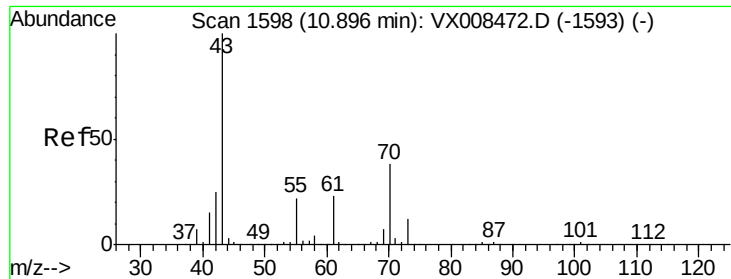
MMDadoda
 3/28/2019 9:36:53 AM



#46
 Methyl methacrylate
 Concen: 7.948 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.6	44.2	132.6
39	53.3	29.9	89.8





#47

n-amvl Acetate

Concen: 7.642 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 34750

Ion Ratio Lower Upper

43 100

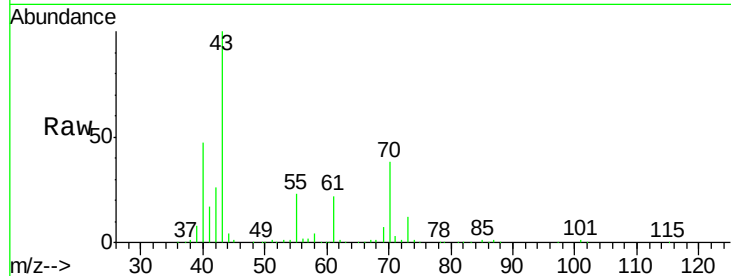
55 24.5 20.8 31.2

Manual Integrations

APPROVED

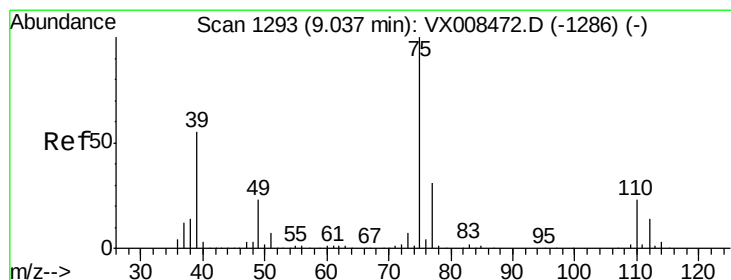
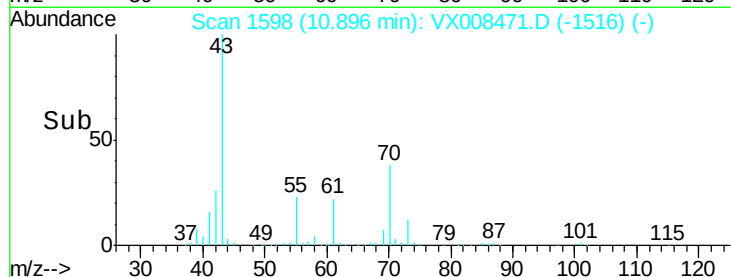
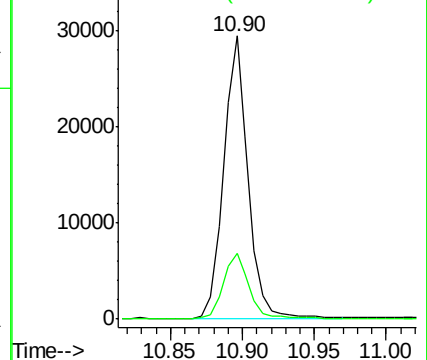
MMDadoda

3/28/2019 9:36:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 5.570 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX008471.D

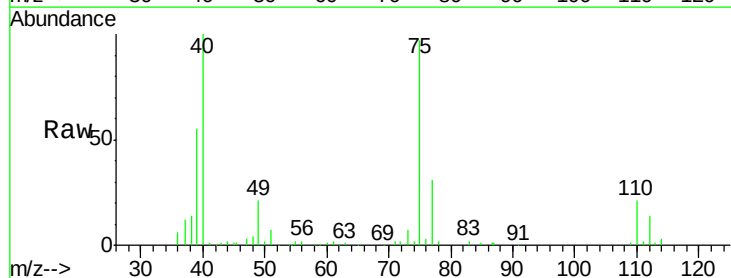
Acq: 27 Mar 2019 10:07

Tgt Ion: 75 Resp: 19498

Ion Ratio Lower Upper

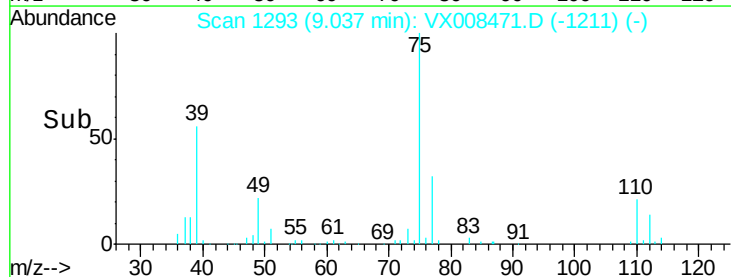
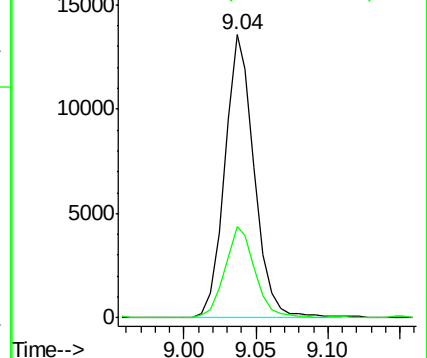
75 100

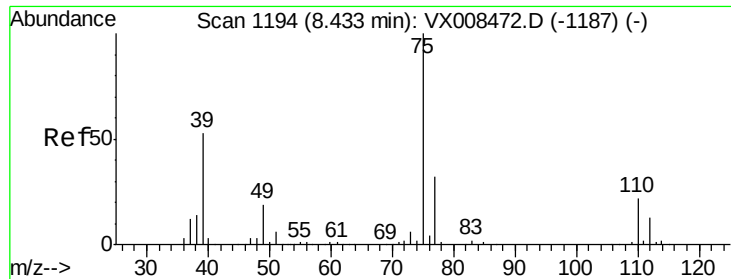
77 32.3 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





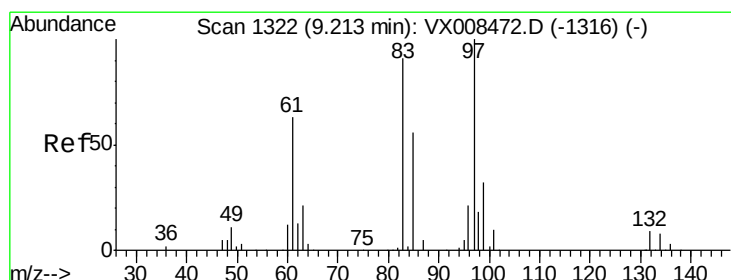
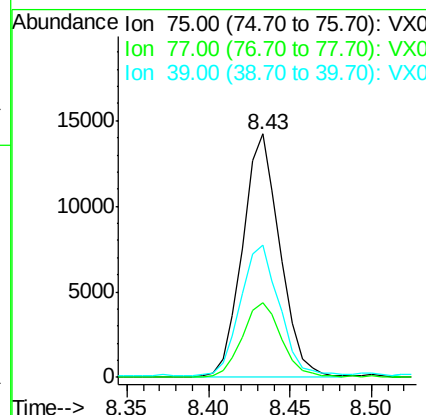
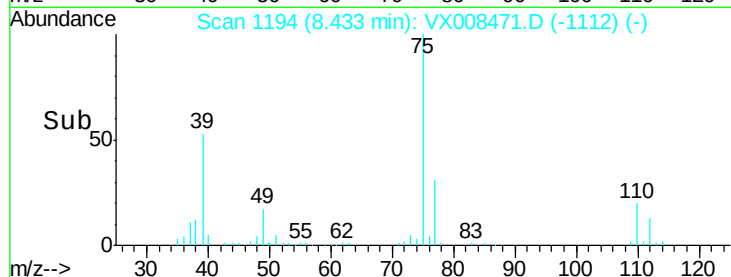
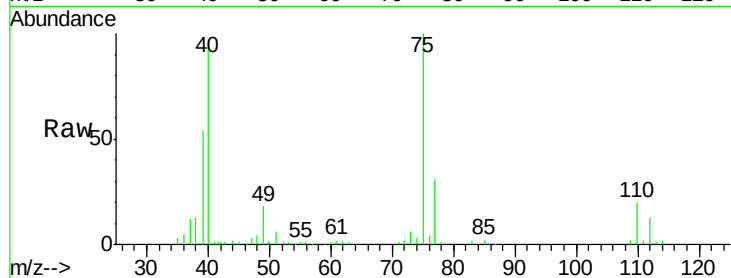
#49
 cis-1,3-Dichloropropene
 Concen: 5.838 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4
39	53.5	38.5	57.7

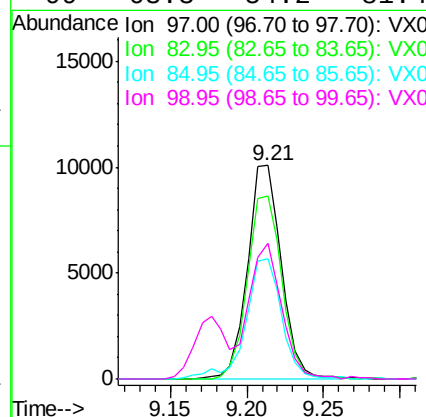
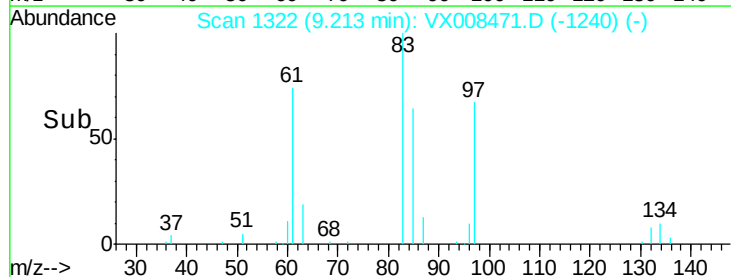
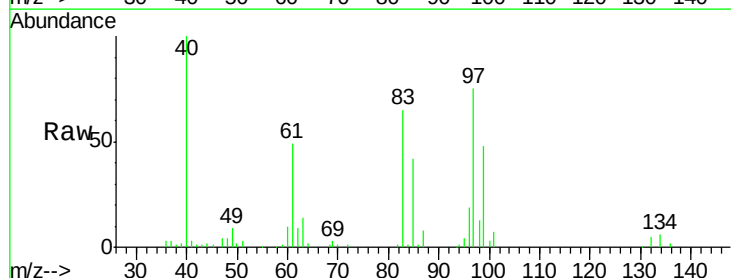
Manual Integrations
 APPROVED

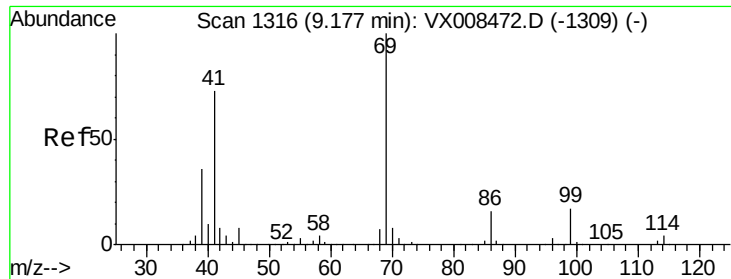
MMDadoda
 3/28/2019 9:36:53 AM



#50
 1,1,2-Trichloroethane
 Concen: 5.855 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	72.0	108.0
85	55.1	45.0	67.6
99	63.3	54.2	81.4





#51

Ethyl methacrylate

Concen: 6.865 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

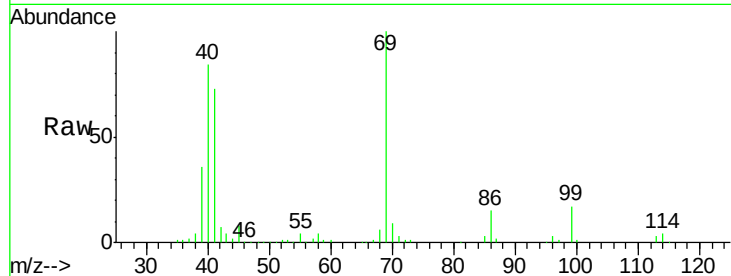
ClientSampleId :

VSTDIC005

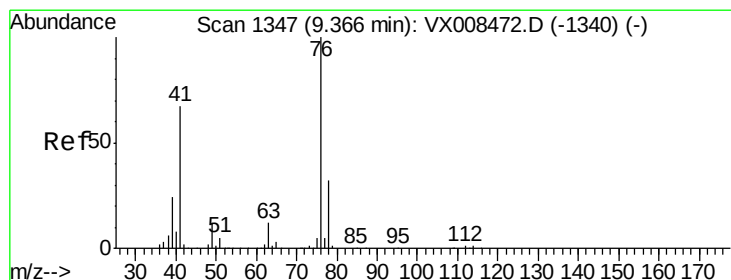
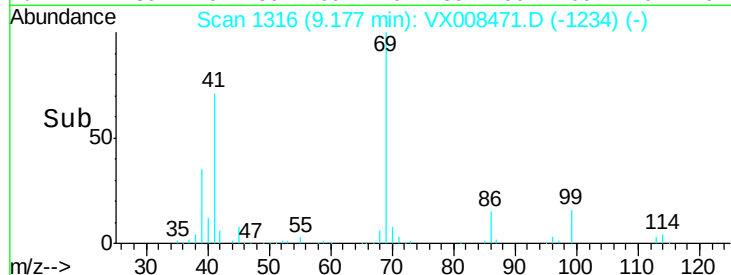
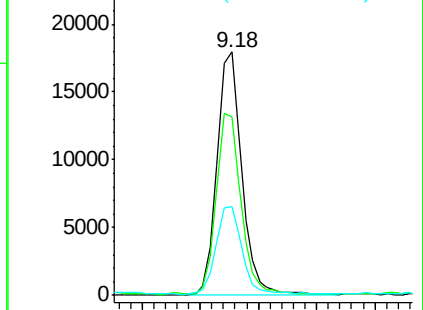
Tot Ion:	69	Resp:	26530
Ion	Ratio	Lower	Upper
69	100		
41	72.6	32.1	96.5
39	35.5	18.8	56.3

Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 6.369 ug/l

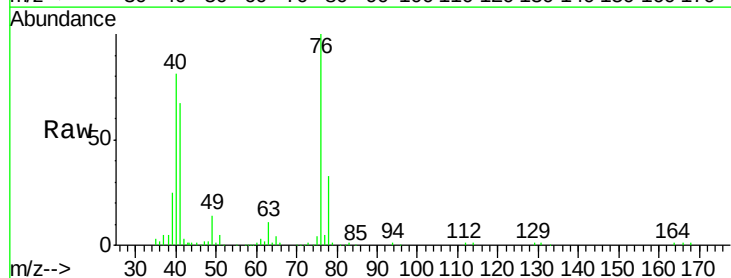
RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

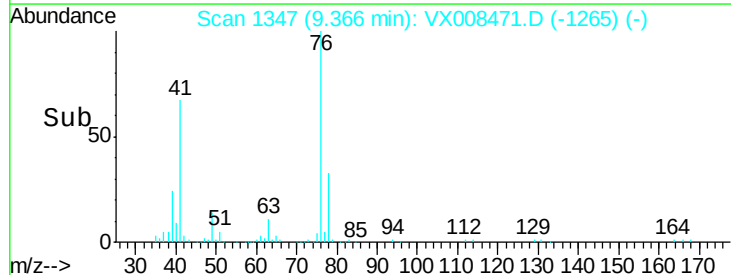
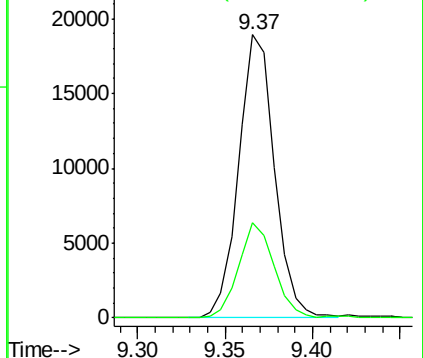
Lab File: VX008471.D

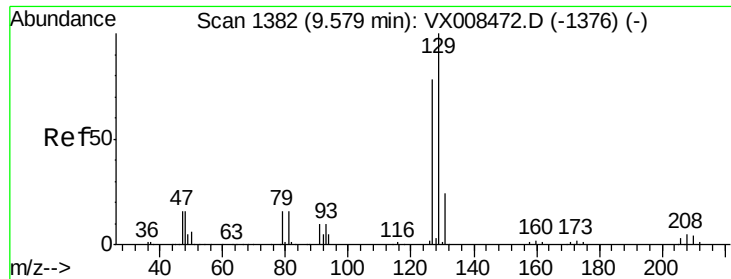
Acq: 27 Mar 2019 10:07

Tgt Ion:	76	Resp:	27041
Ion	Ratio	Lower	Upper
76	100		
78	33.2	0.0	65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 4.651 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 13880

Ion Ratio Lower Upper

129 100

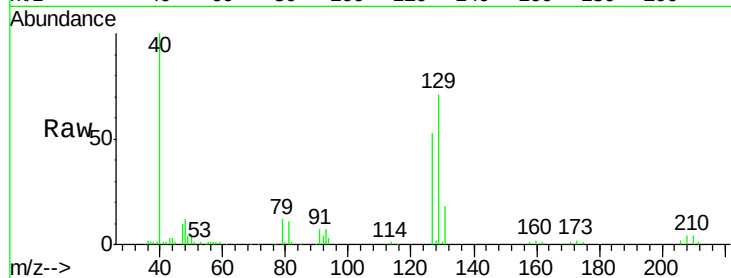
127 74.7 38.4 115.2

Manual Integrations

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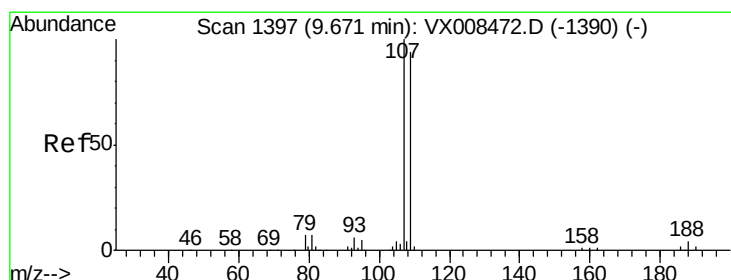
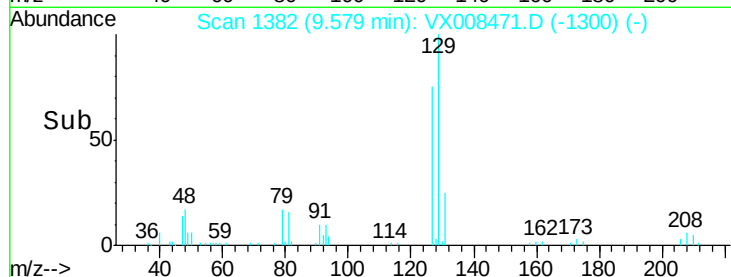
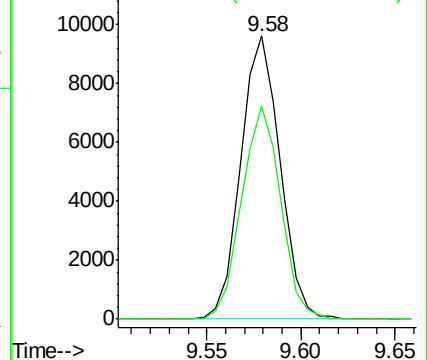
MMDadoda

3/28/2019 9:36:53 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.329 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008471.D

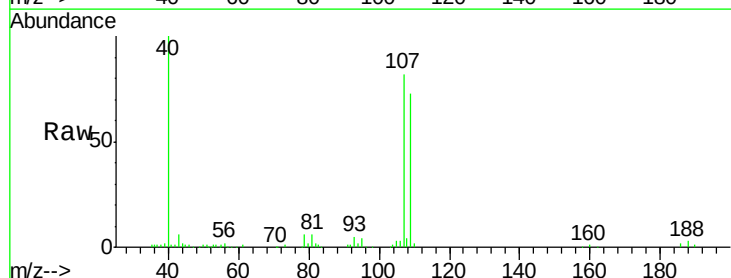
Acq: 27 Mar 2019 10:07

Tgt Ion:107 Resp: 15477

Ion Ratio Lower Upper

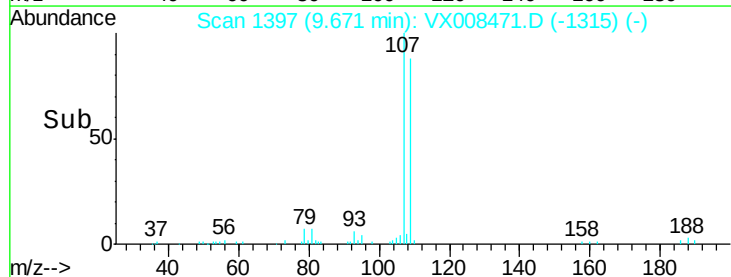
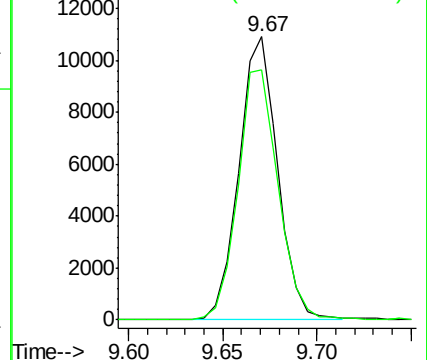
107 100

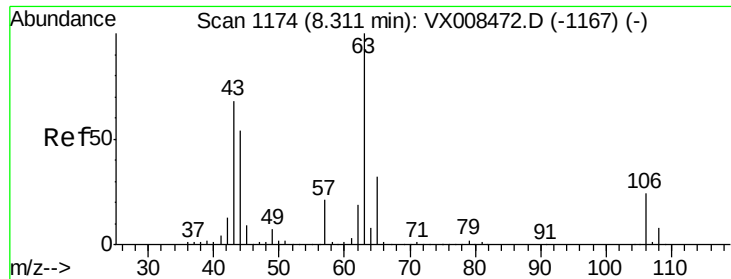
109 92.3 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





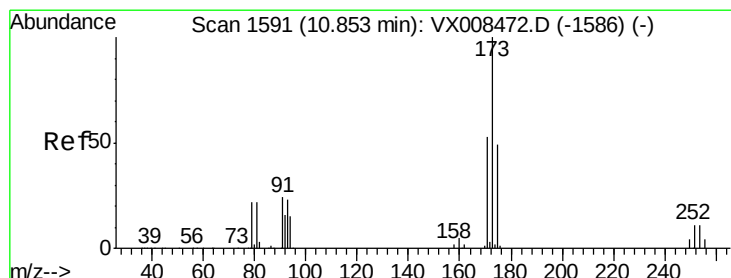
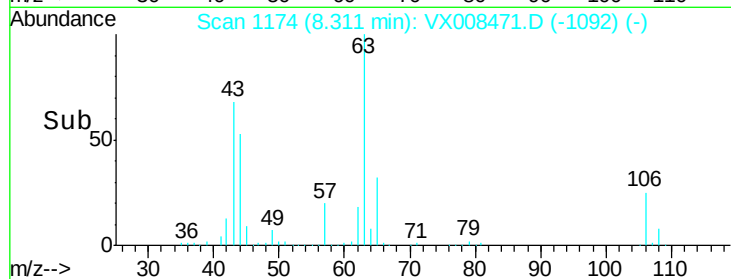
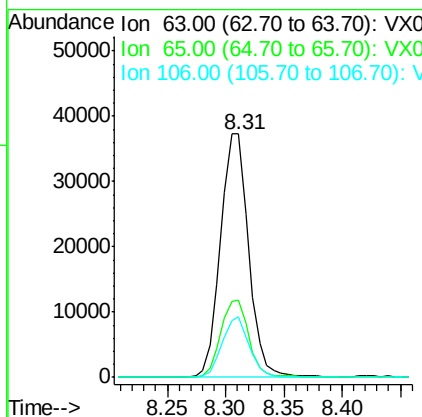
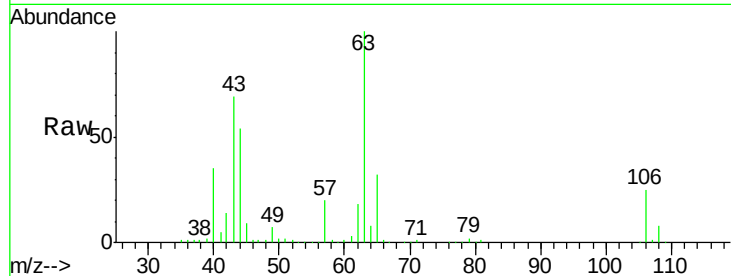
#55
2-Chloroethyl vinyl ether
Concen: 32.157 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.7	38.5
106	23.6	23.7	35.5#

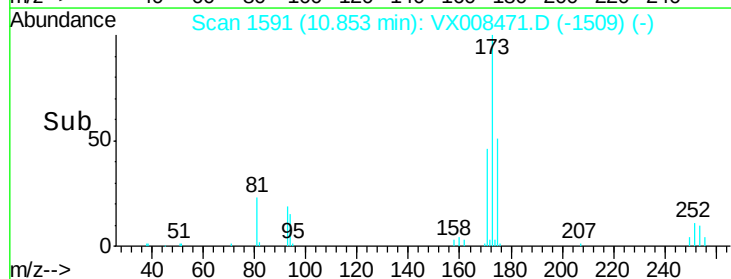
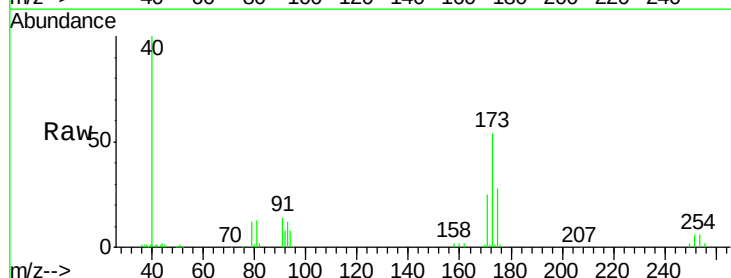
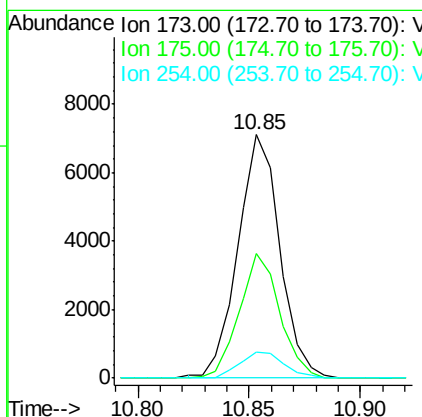
Manual Integrations
APPROVED

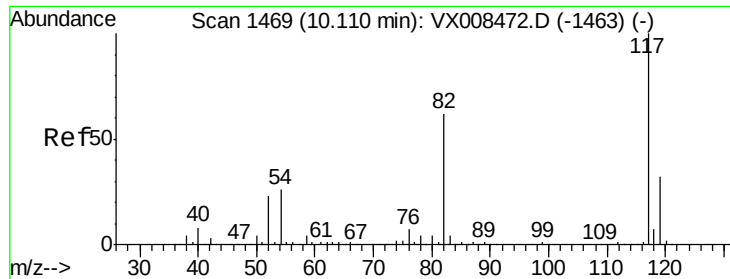
MMDadoda
3/28/2019 9:36:53 AM



#56
Bromoform
Concen: 3.952 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.5	57.7
254	11.2	7.4	11.2#





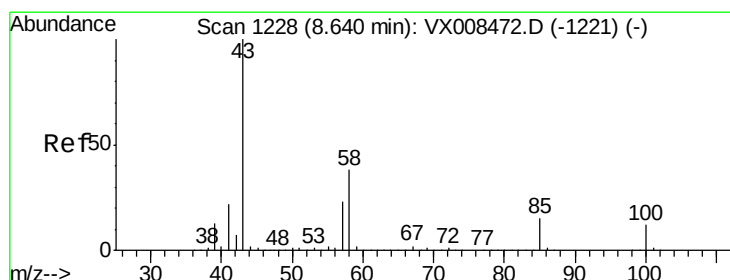
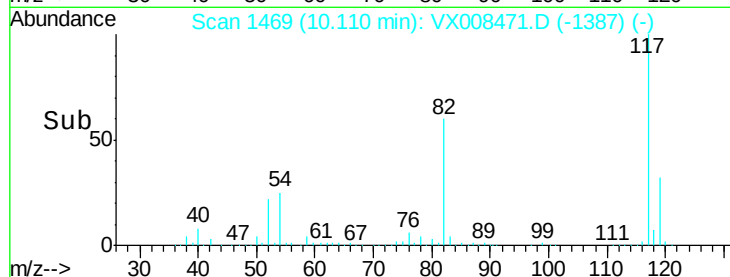
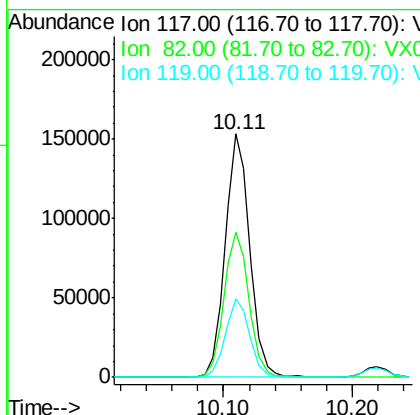
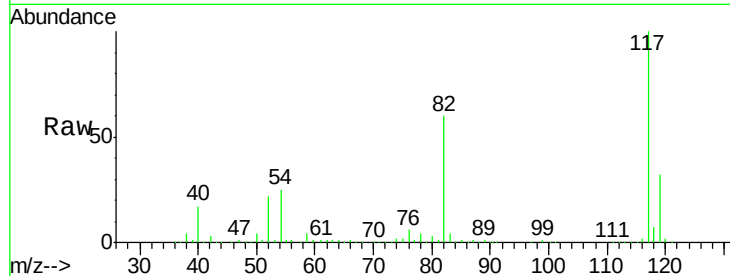
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		206136		
82	60.7	40.4	60.6#		
119	31.8	25.8	38.6		

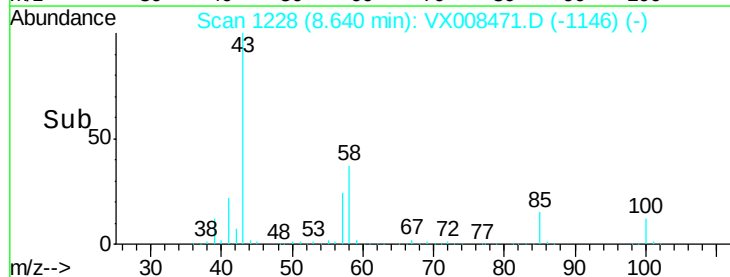
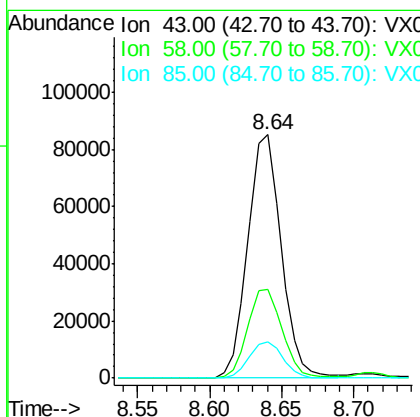
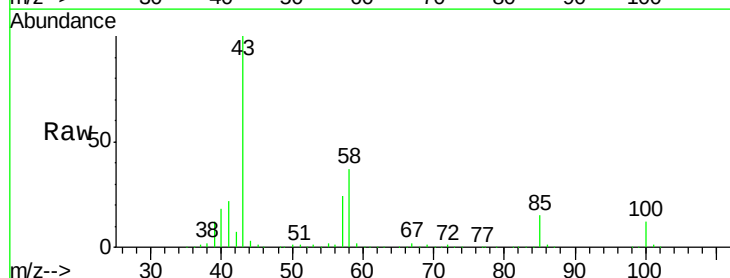
Manual Integrations
APPROVED

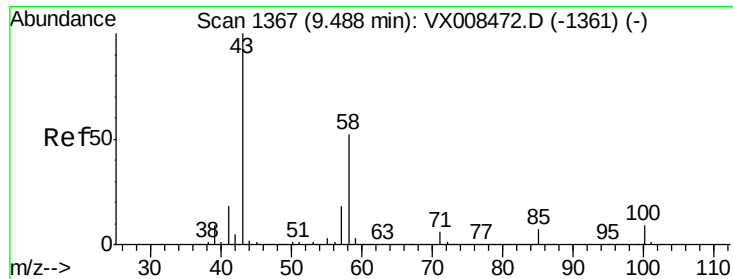
MMDadoda
3/28/2019 9:36:53 AM



#58
4-Methyl-2-Pentanone
Concen: 39.428 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		136845		
58	37.7	31.4	47.0		
85	15.1	15.0	22.6		





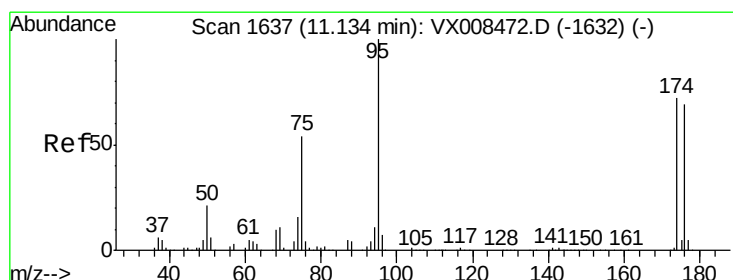
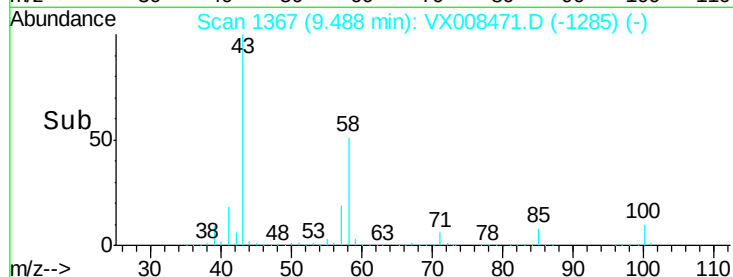
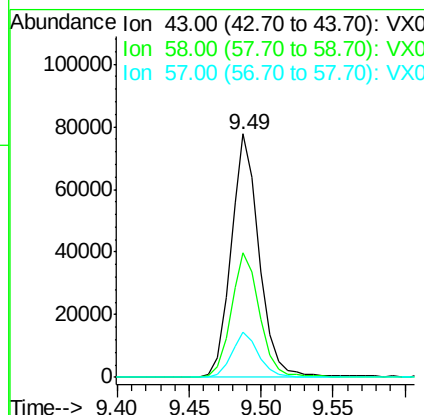
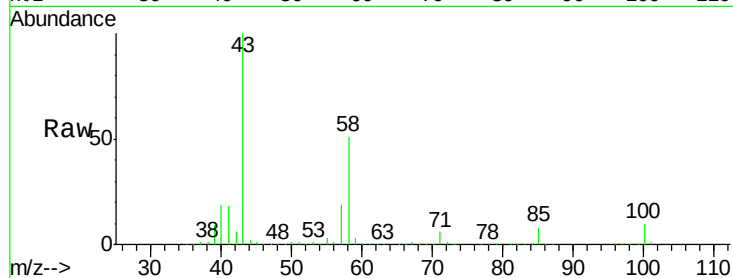
#59
2-Hexanone
Concen: 38.485 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

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

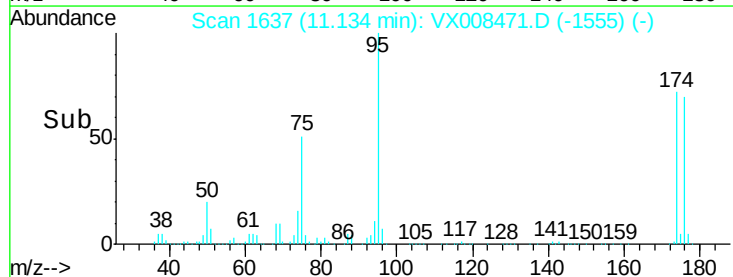
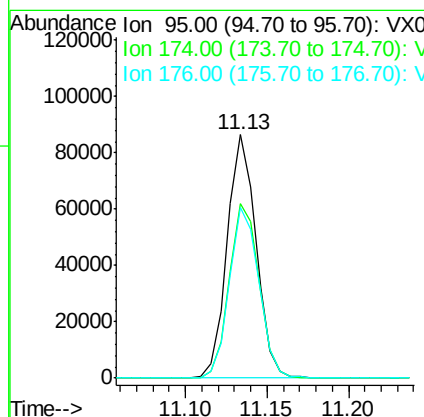
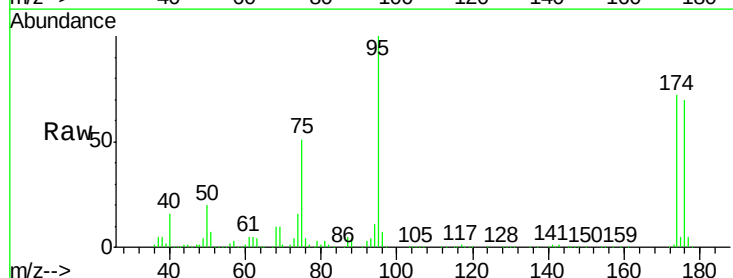
Manual Integrations
APPROVED

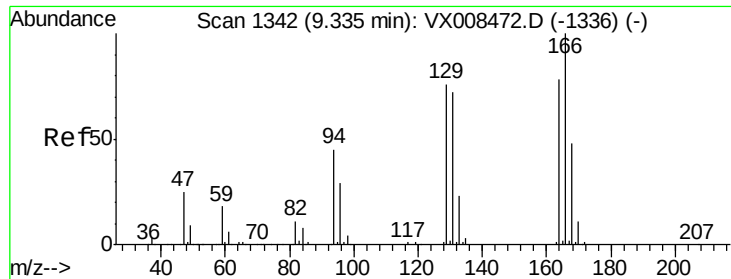
MMDadoda
3/28/2019 9:36:53 AM



#60
4-Bromofluorobenzene
Concen: 31.727 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	74.9	112.3#
176	72.2	70.7	106.1





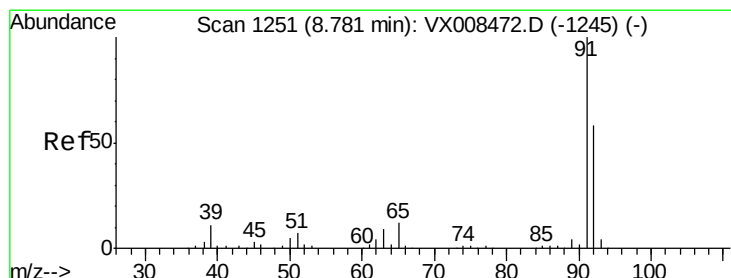
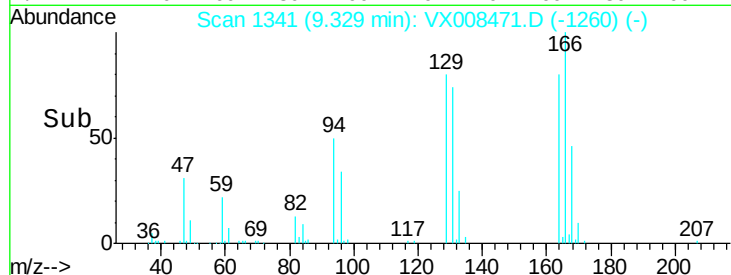
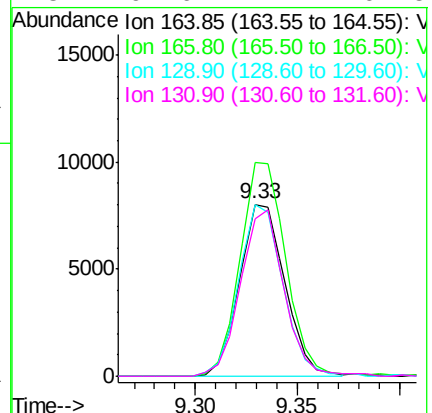
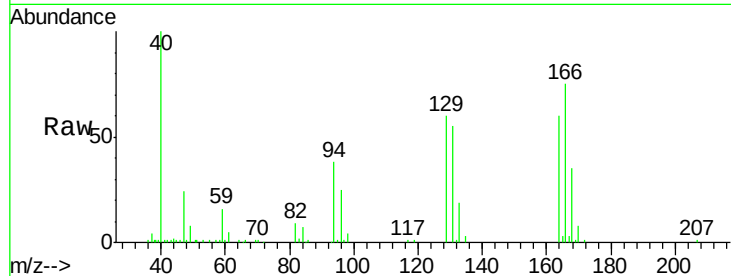
#61
Tetrachloroethene
 Concen: 4.462 ug/l
 RT: 9.33 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	164	Resp:	12382
Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.9	155.9
129	99.6	74.7	112.1
131	91.6	71.7	107.5

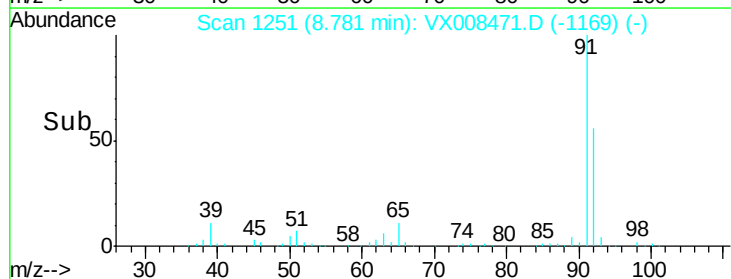
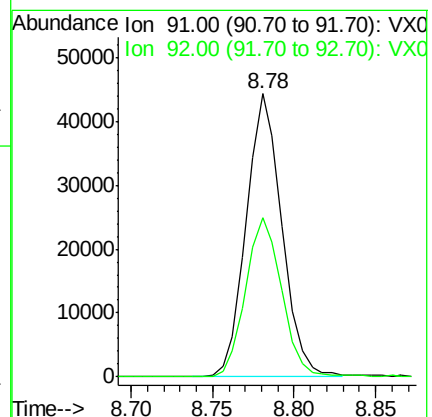
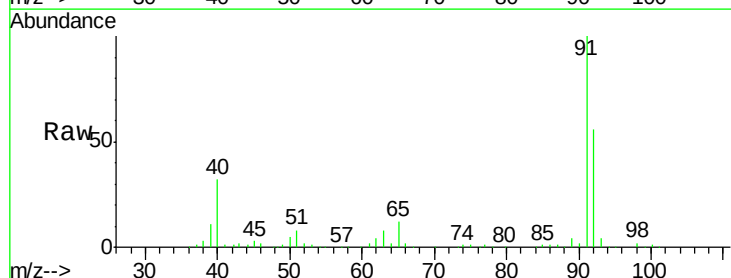
Manual Integrations
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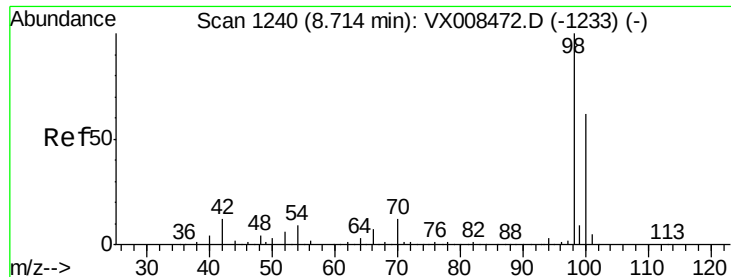
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#62
Toluene
 Concen: 6.171 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion:	91	Resp:	67516
Ion	Ratio	Lower	Upper
91	100		
92	57.0	46.4	69.6





#63

Toluene-d8

Concen: 31.934 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 296582

Ion Ratio Lower Upper

98 100

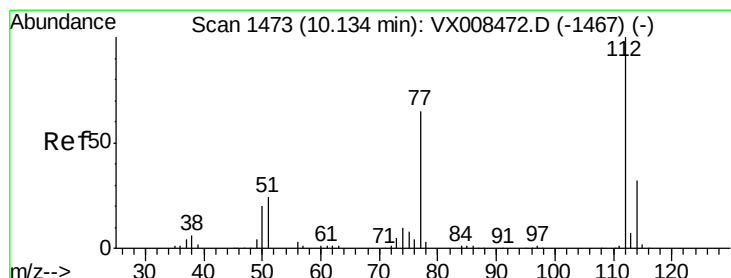
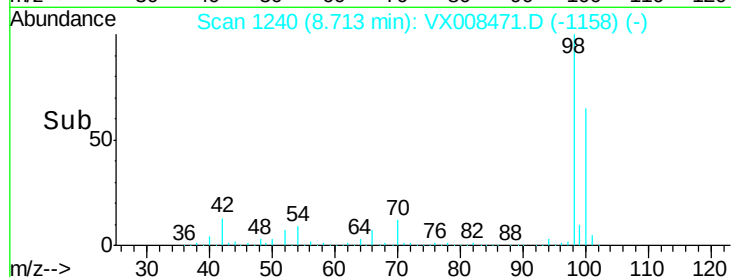
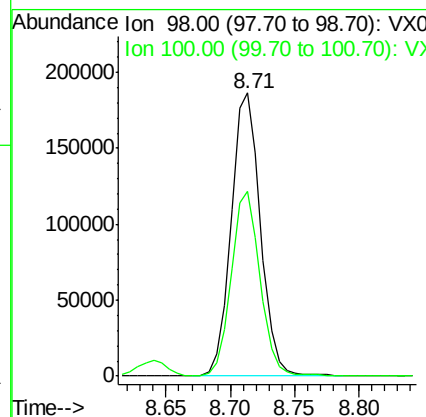
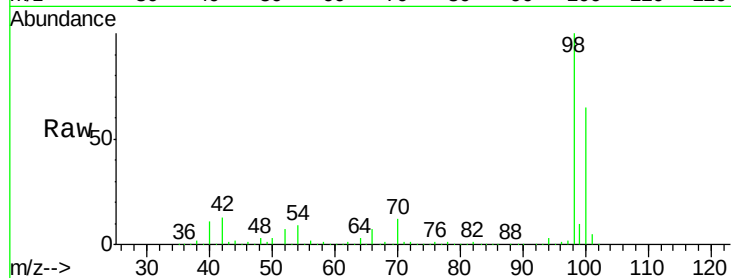
100 64.0 50.9 76.3

Manual Integrations

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#64

Chlorobenzene

Concen: 5.402 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008471.D

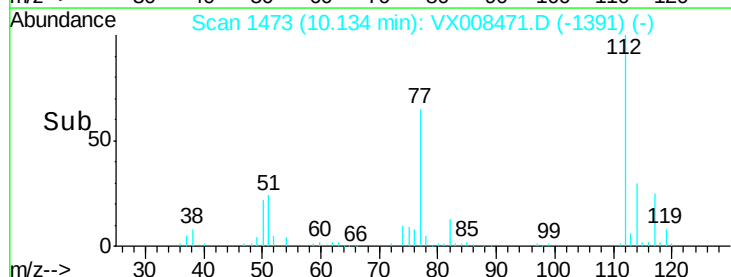
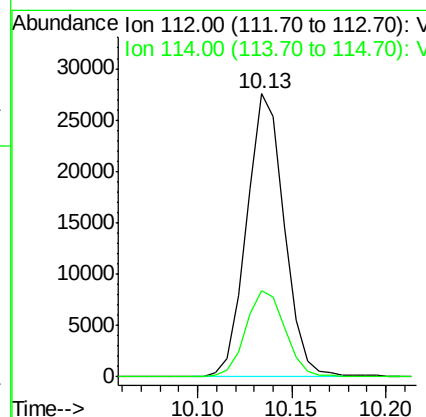
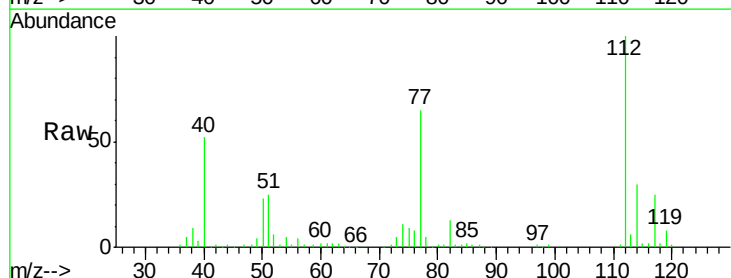
Acq: 27 Mar 2019 10:07

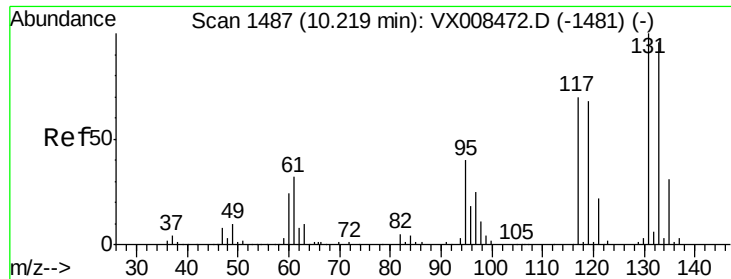
Tgt Ion: 112 Resp: 38106

Ion Ratio Lower Upper

112 100

114 30.3 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 4.793 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

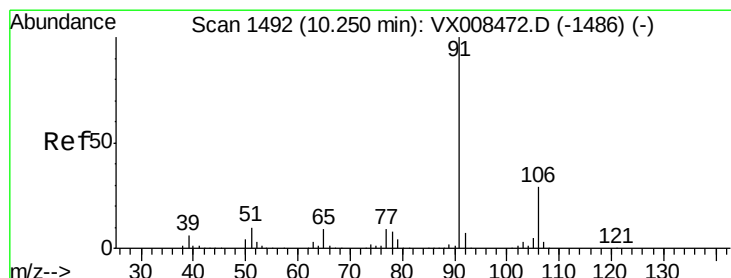
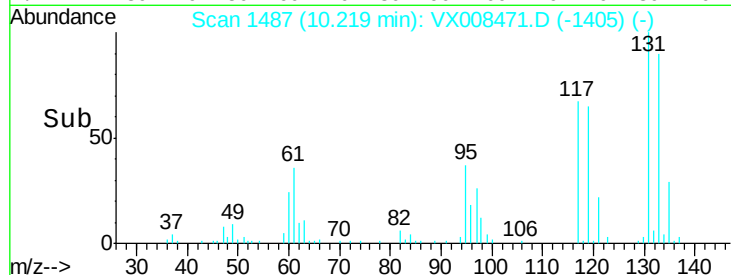
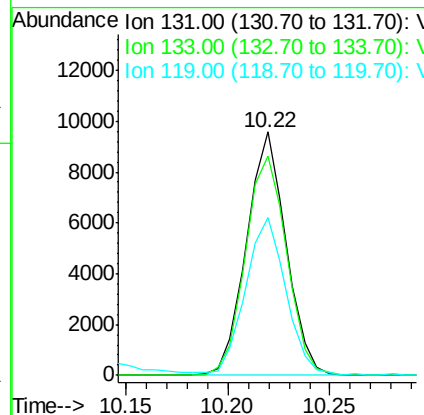
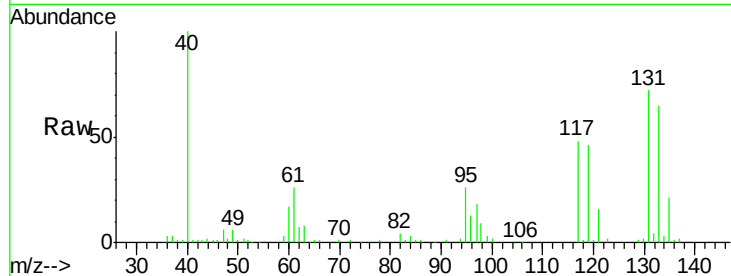
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	12912
Ion Ratio	Lower	Upper	
131	100		
133	93.7	0.0	191.6
119	66.0	0.0	127.4

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#66

Ethyl Benzene

Concen: 6.097 ug/l

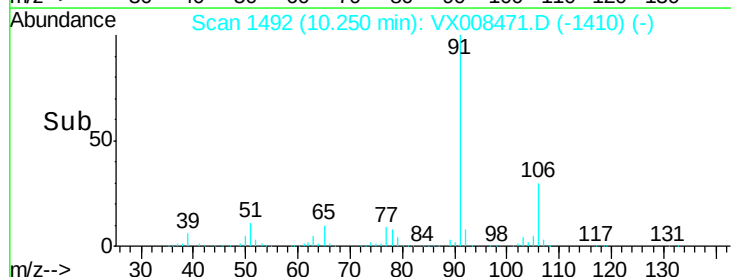
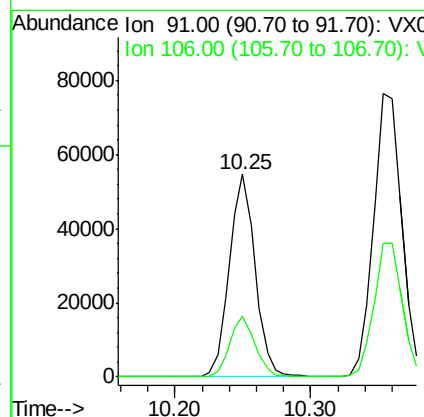
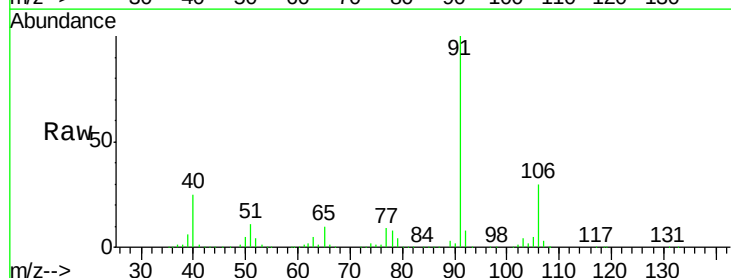
RT: 10.25 min Scan# 1492

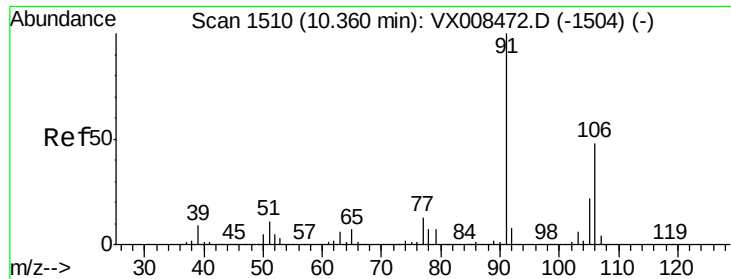
Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Tgt Ion:	91	Resp:	72151
Ion Ratio	Lower	Upper	
91	100		
106	30.3	26.0	39.0





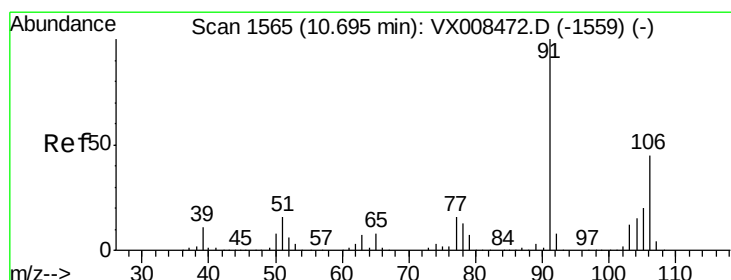
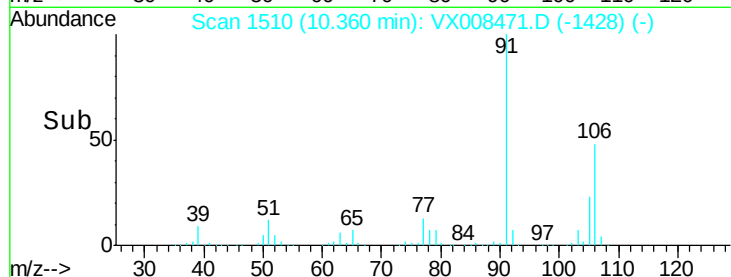
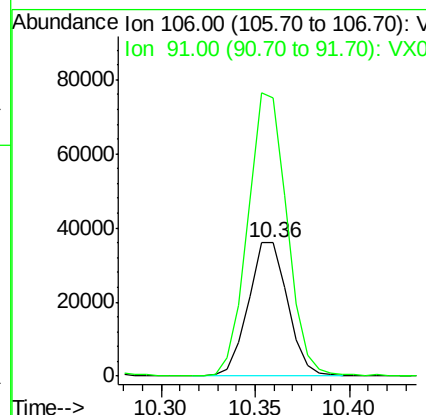
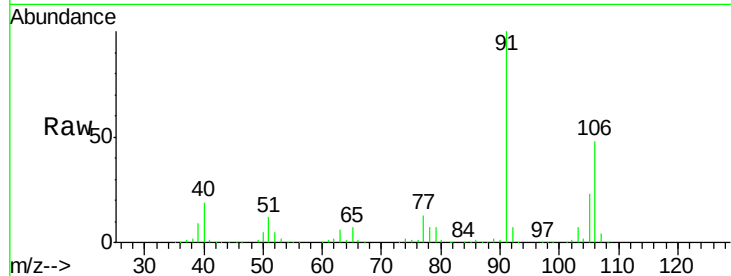
#67
m/p-Xylenes
Concen: 11.057 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 52000
Ion Ratio Lower Upper
106 100
91 212.7 157.0 235.4

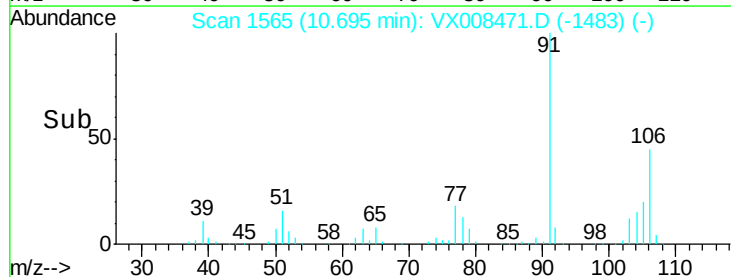
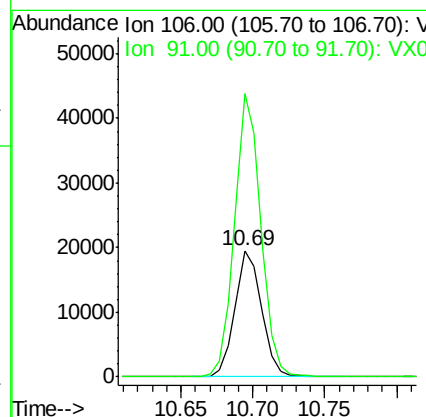
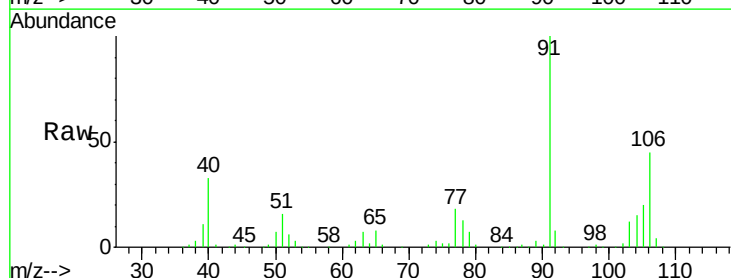
Manual Integrations
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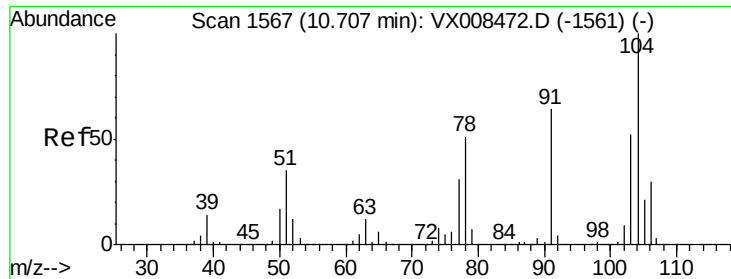
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#68
o-Xylene
Concen: 5.671 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion:106 Resp: 25623
Ion Ratio Lower Upper
106 100
91 220.6 104.4 313.2





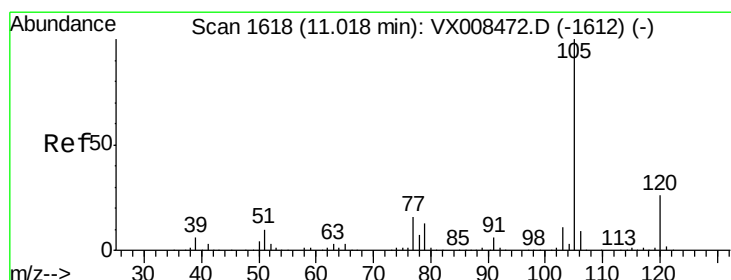
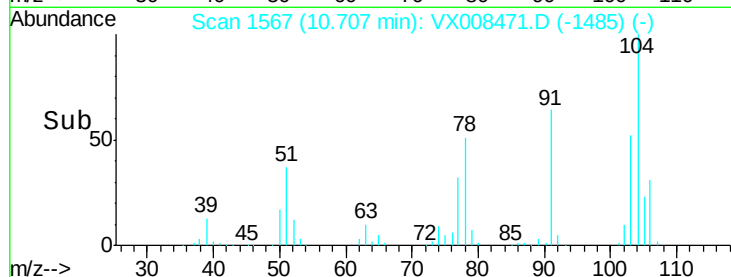
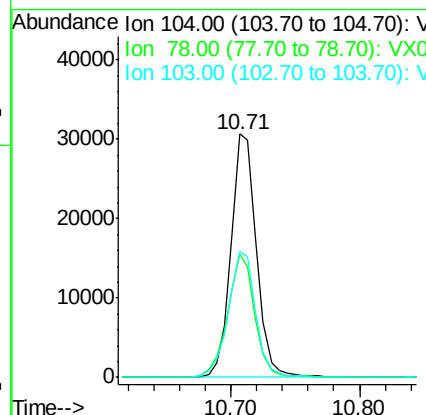
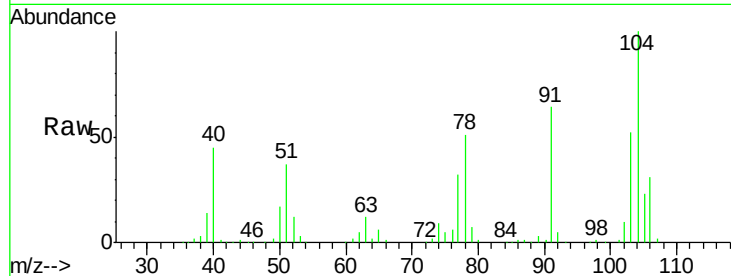
#69
Stvrene
Concen: 5.606 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.9	38.2	57.2	
103	55.5	45.0	67.4	

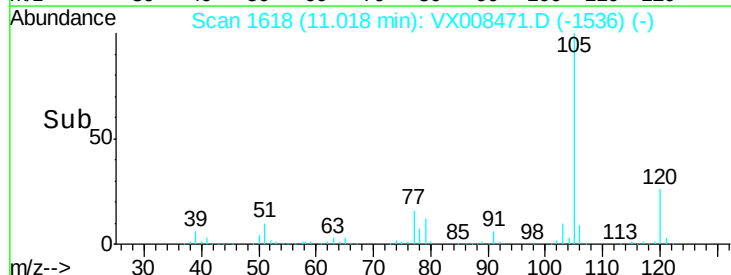
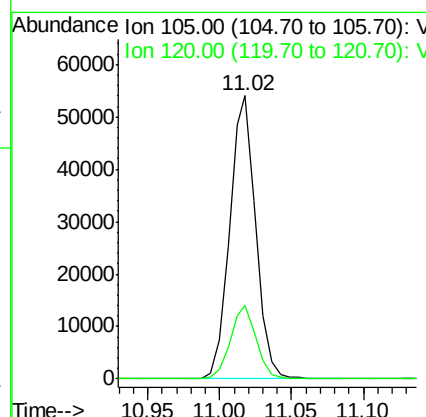
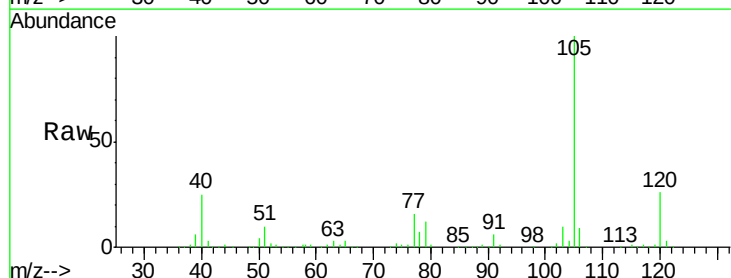
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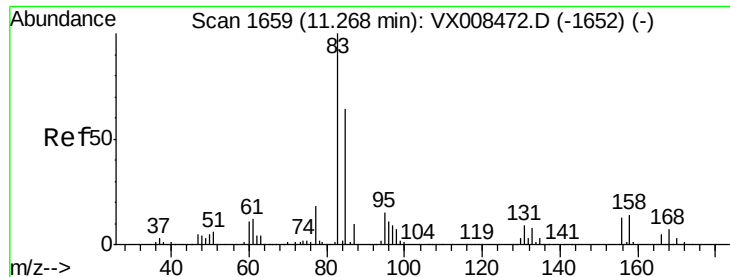
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#70
Isopropylbenzene
Concen: 5.785 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	25.6	19.8	36.8	





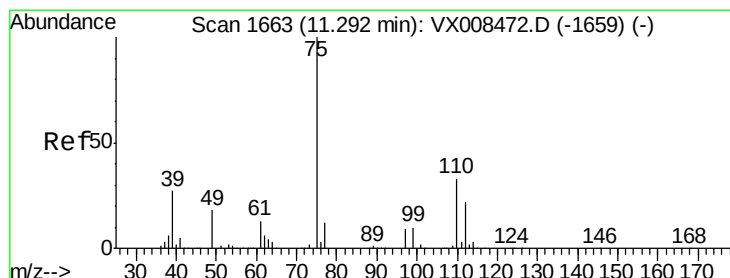
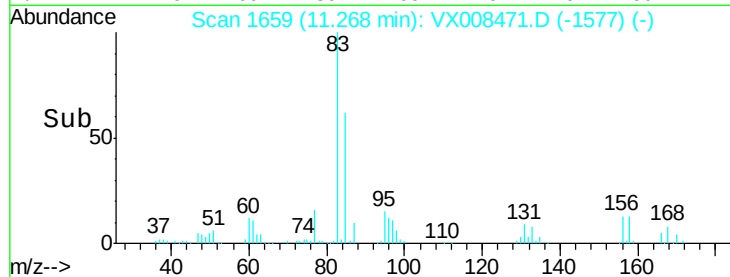
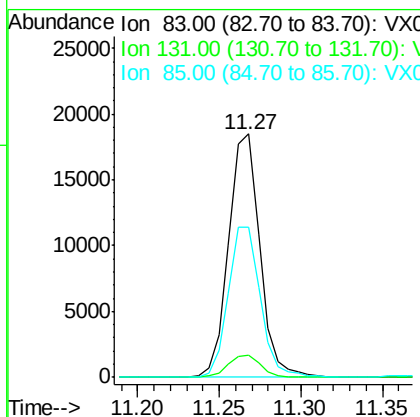
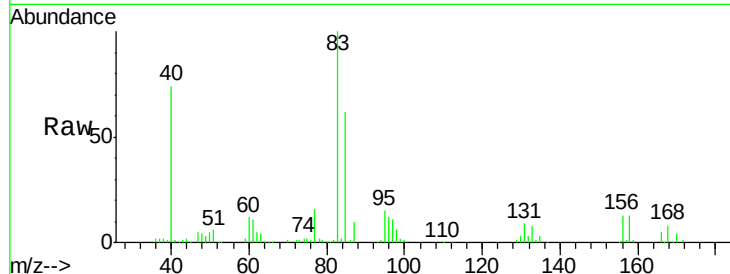
#71
 1,1,2,2-Tetrachloroethane
 Concen: 6.102 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	24734
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	5.4	16.2
85	63.7	32.8	98.4

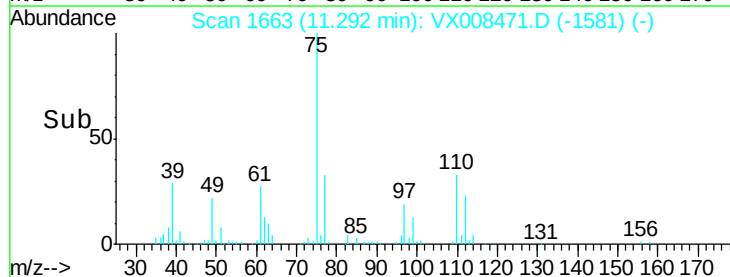
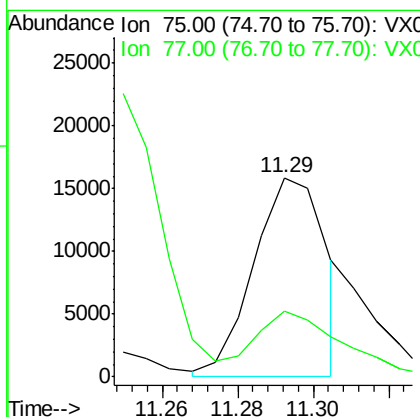
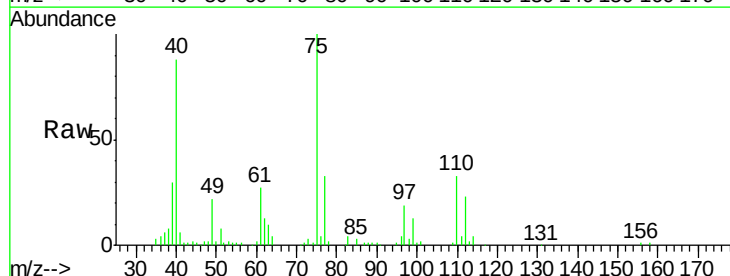
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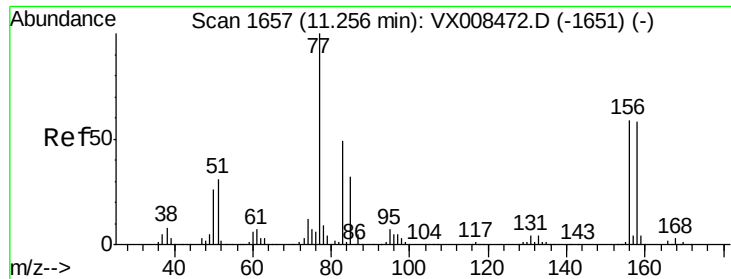
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#72
 1,2,3-Trichloropropane
 Concen: 6.435 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion	75	Resp	21010
Ion Ratio	100	Lower	Upper
75	100		
77	40.8	0.0	76.4





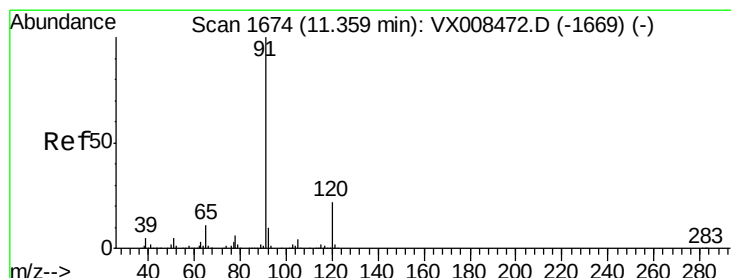
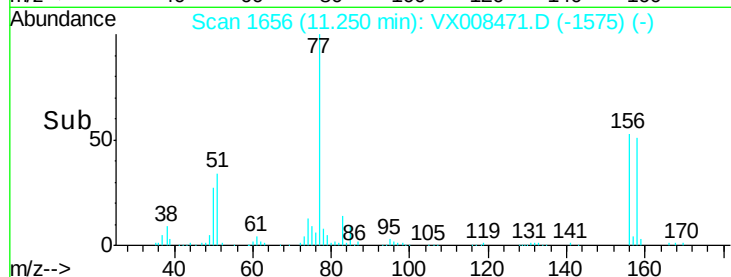
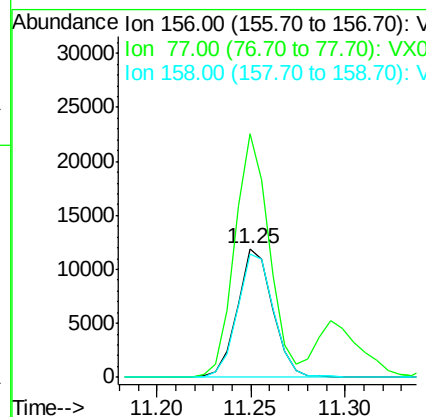
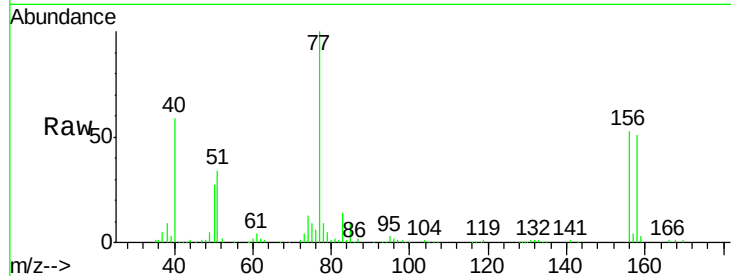
#73
Bromobenzene
Concen: 4.742 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		1597		
77	183.4	0.0	271.4		
158	97.7	0.0	194.0		

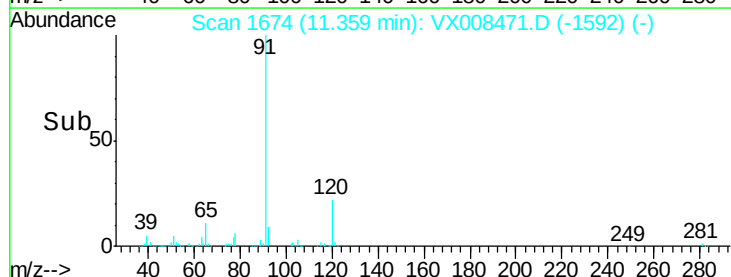
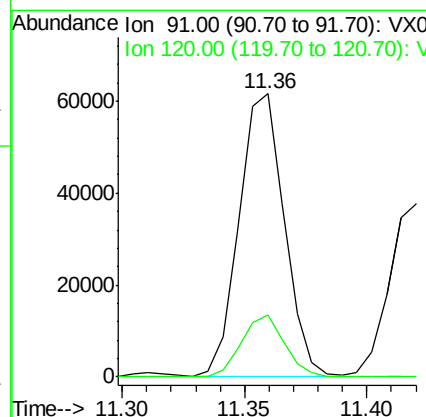
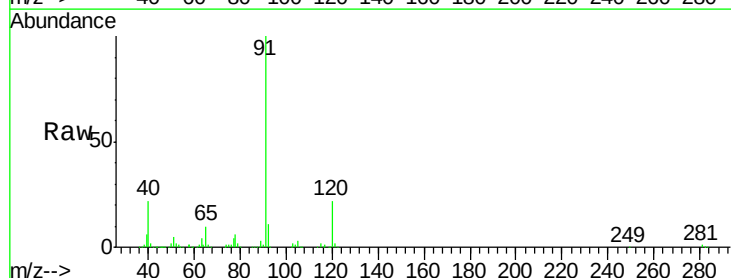
Manual Integrations
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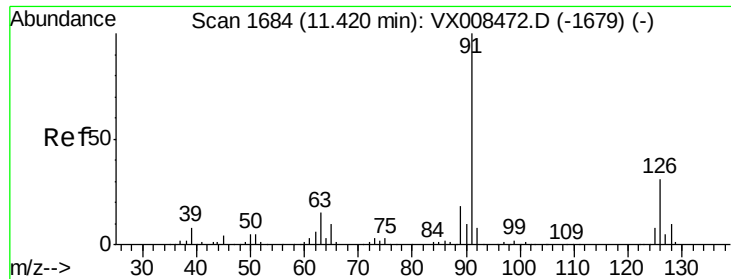
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#74
n-propylbenzene
Concen: 6.018 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		79733		
120	20.8	0.0	48.6		





#75

2-Chlorotoluene

Concen: 6.067 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48009

Ion Ratio Lower Upper

91 100

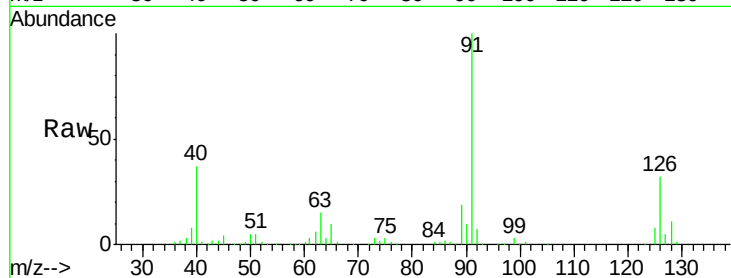
126 31.8 0.0 75.2

Manual Integrations

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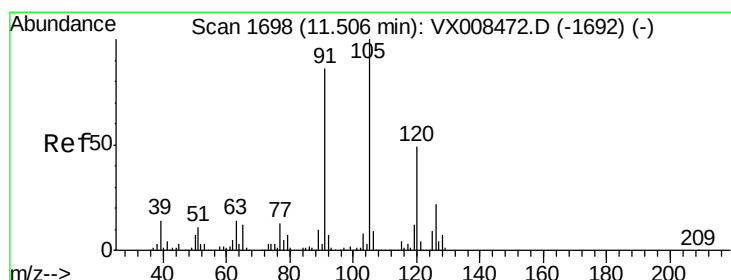
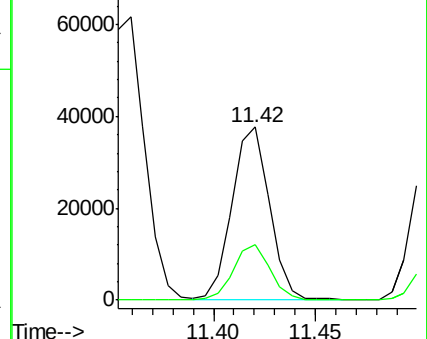
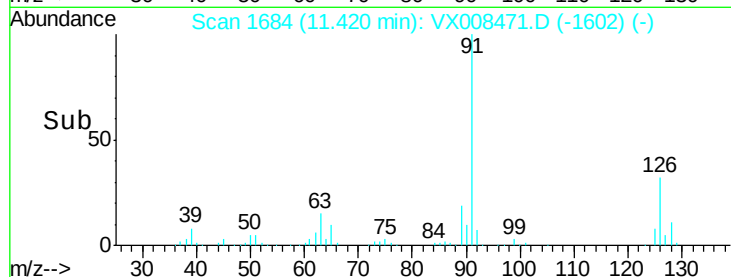
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Abundance Ion 91.00 (90.70 to 91.70): VX008471.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008471.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.672 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008471.D

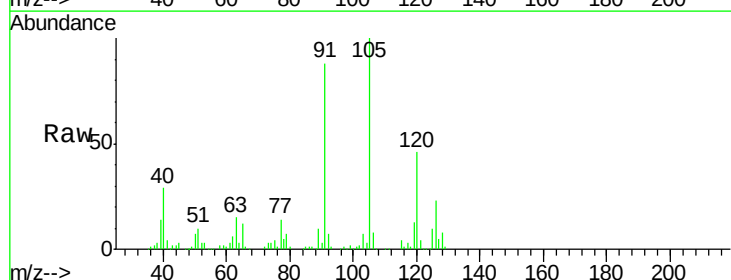
Acq: 27 Mar 2019 10:07

Tgt Ion: 105 Resp: 57595

Ion Ratio Lower Upper

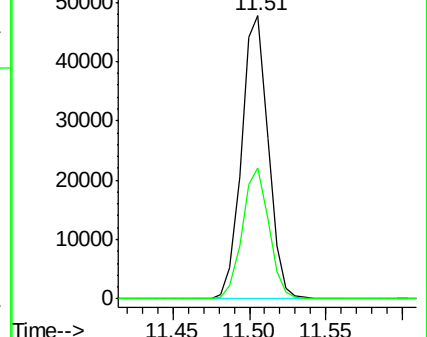
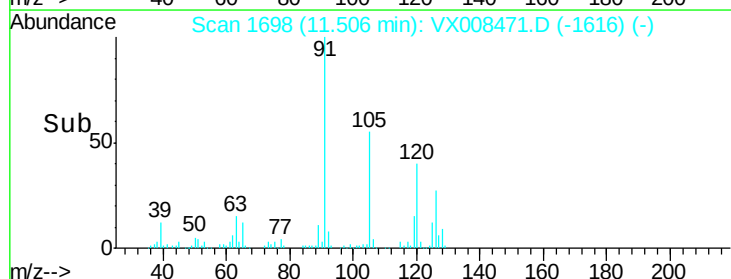
105 100

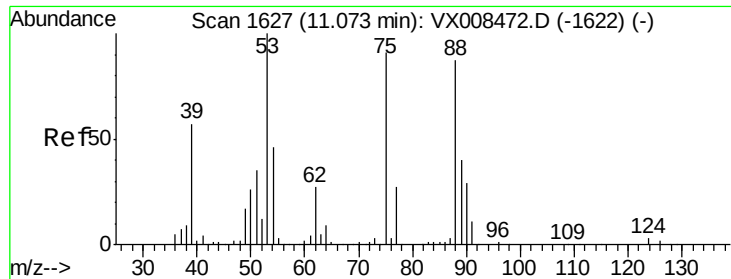
120 46.3 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008471.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008471.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 5.303 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 6134

Ion Ratio Lower Upper

75 100

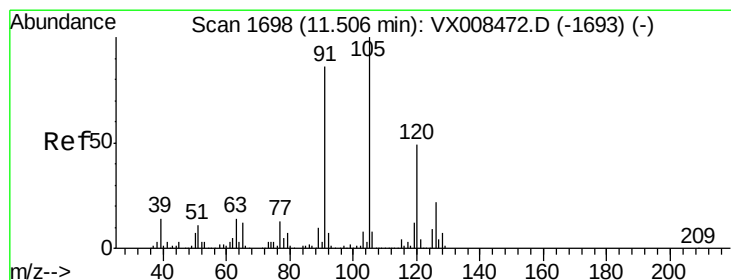
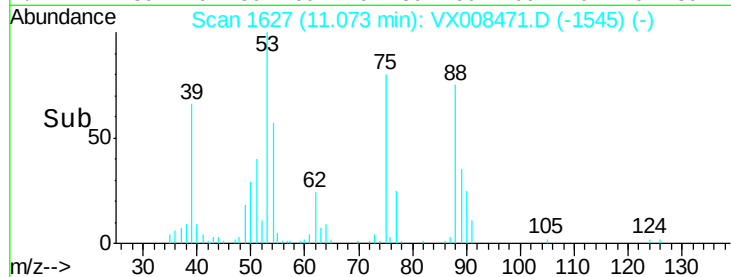
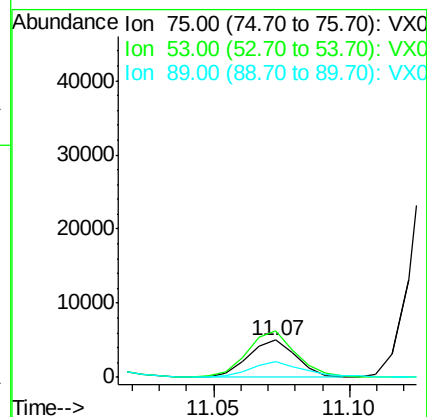
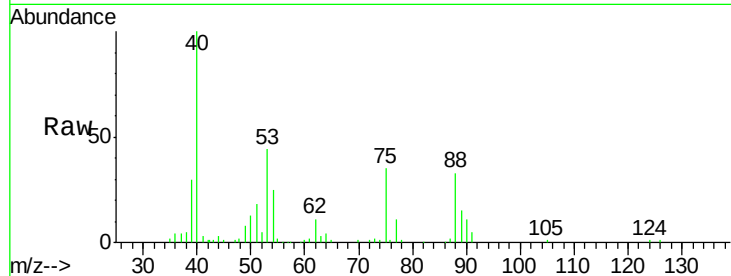
53 123.5 55.5 166.7

89 43.5 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 5.880 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008471.D

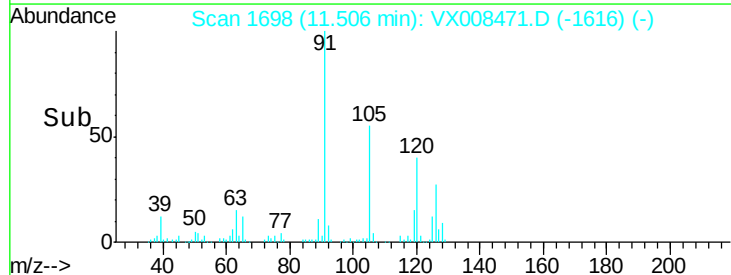
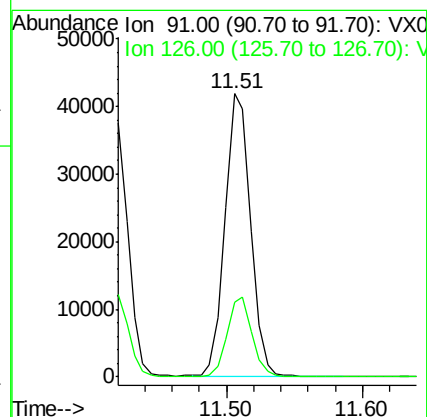
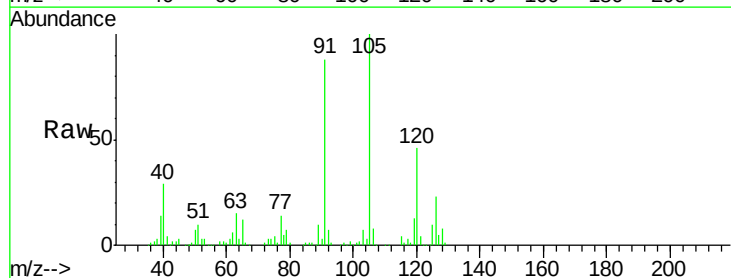
Acq: 27 Mar 2019 10:07

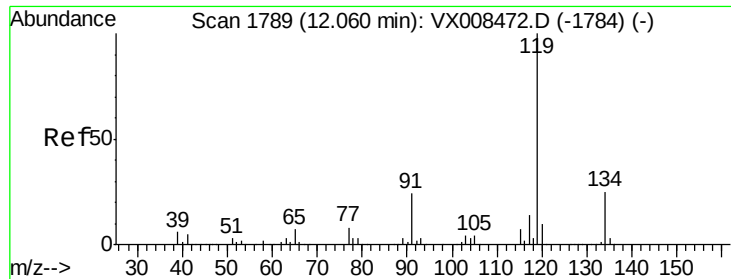
Tgt Ion: 91 Resp: 54760

Ion Ratio Lower Upper

91 100

126 27.3 0.0 66.2





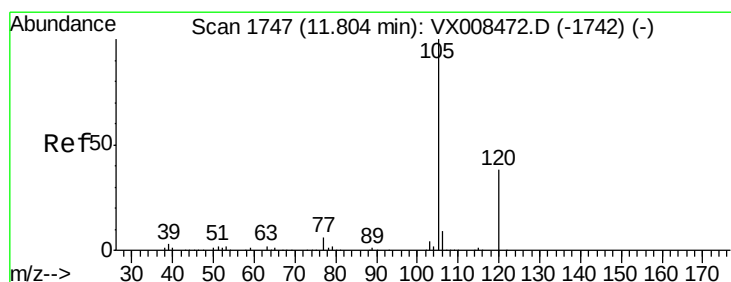
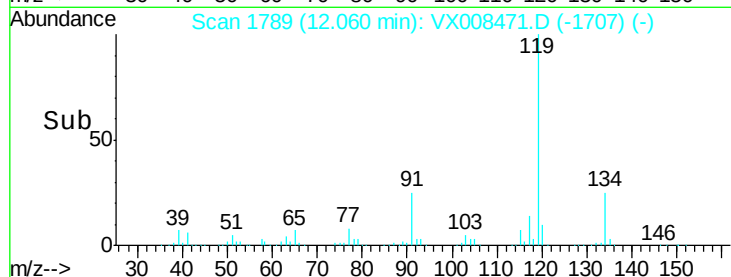
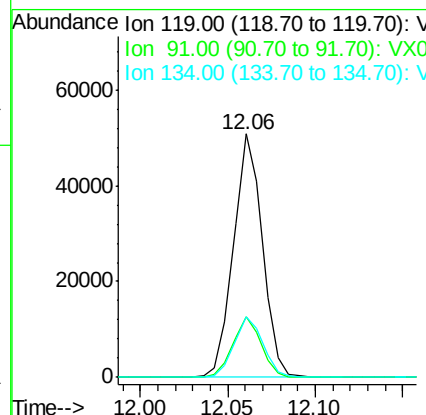
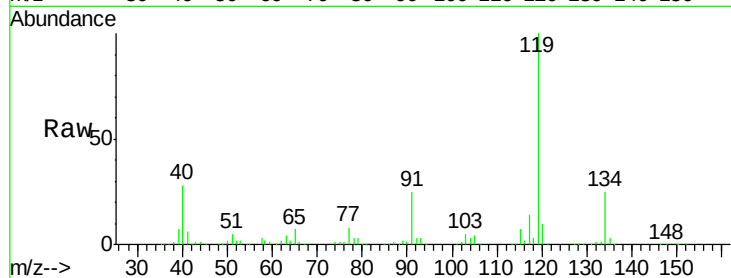
#79
tert-butylbenzene
Concen: 5.473 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	24.2	0.0	45.0
134	24.8	0.0	55.4

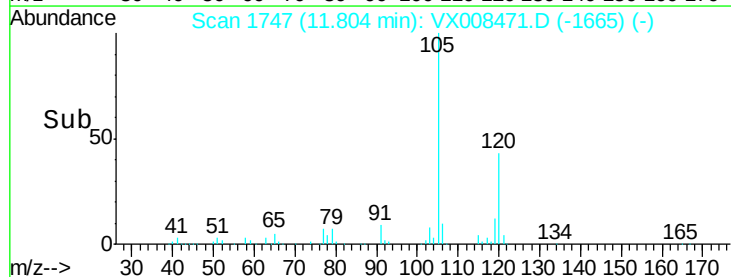
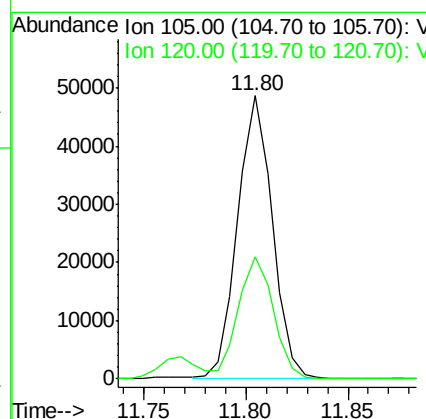
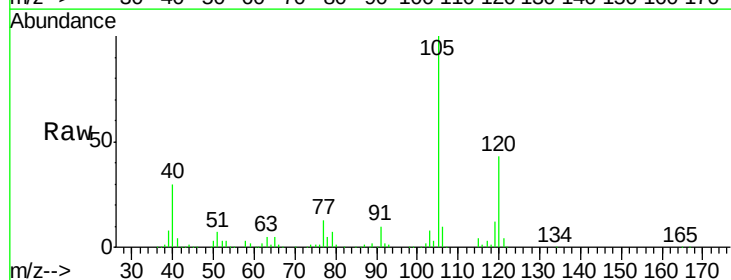
Manual Integrations
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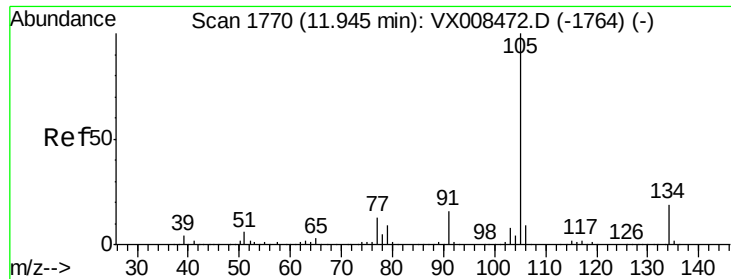
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#80
1,2,4-Trimethylbenzene
Concen: 5.681 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008471.D
Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	0.0	94.0





#81

sec-Butylbenzene

Concen: 5.741 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 66501

Ion Ratio Lower Upper

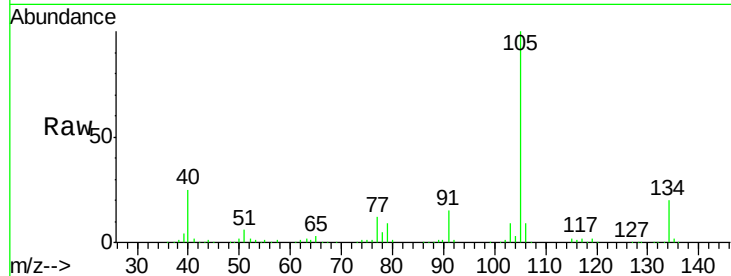
105 100

134 19.2 0.0 41.8

Manual Integrations
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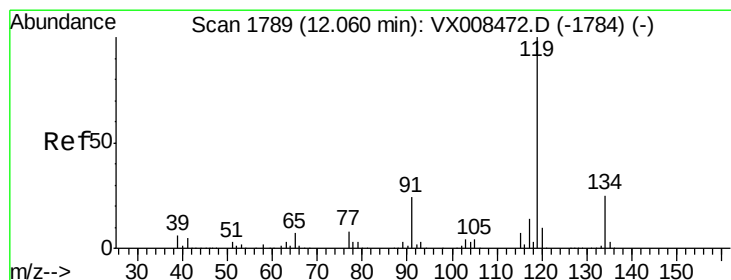
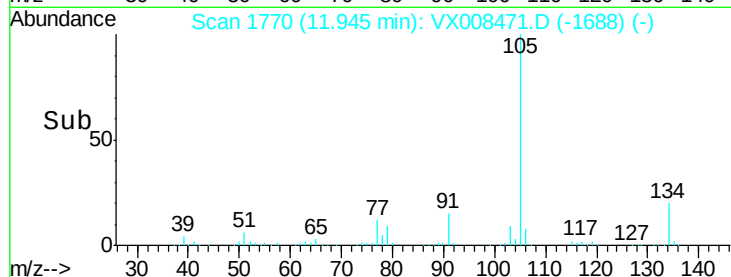
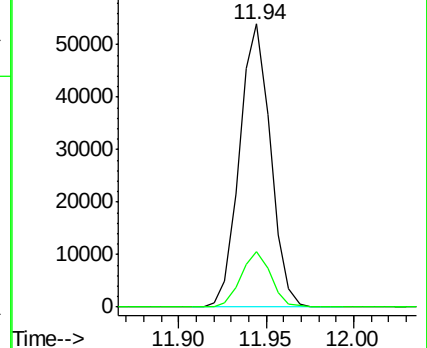
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 5.473 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

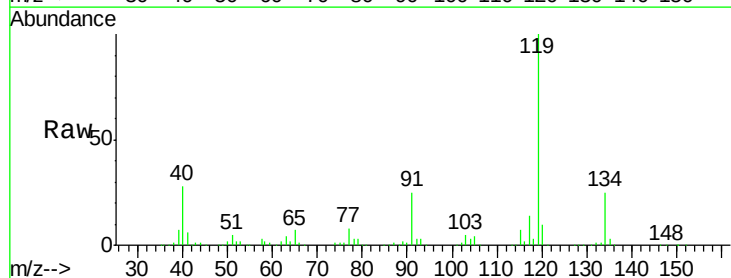
Tgt Ion:119 Resp: 58460

Ion Ratio Lower Upper

119 100

134 24.8 0.0 55.4

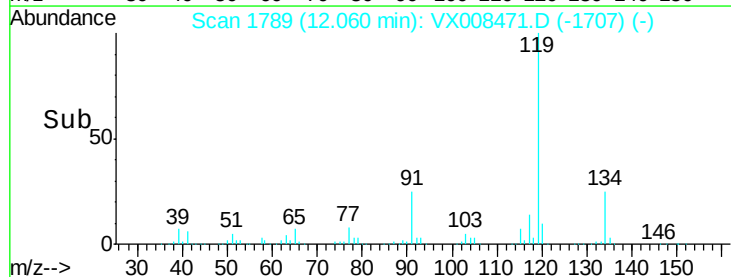
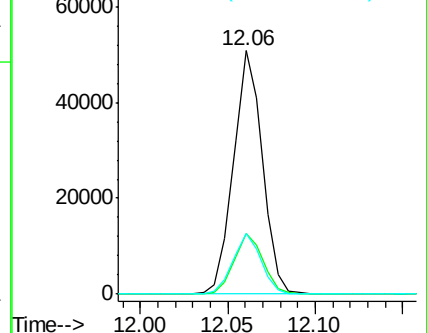
91 24.2 0.0 45.0

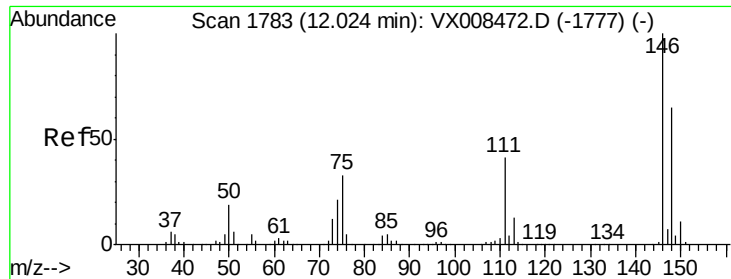


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





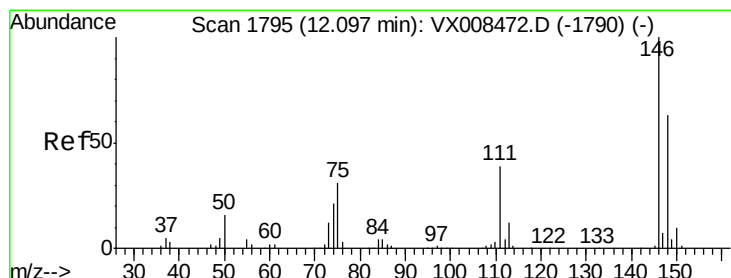
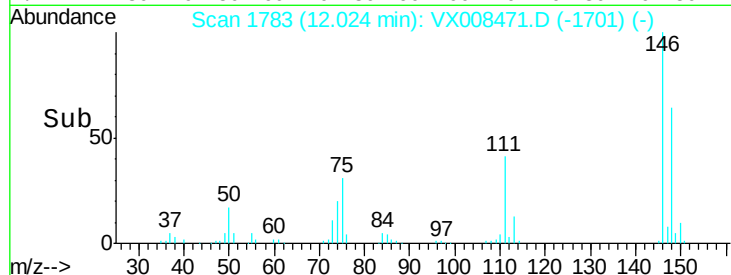
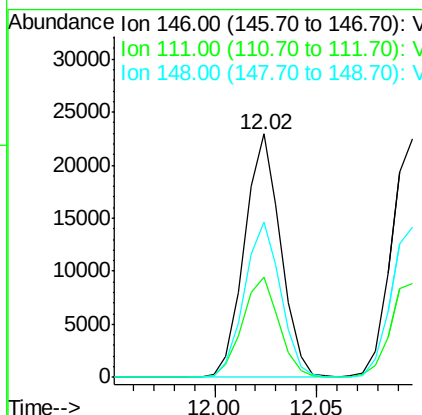
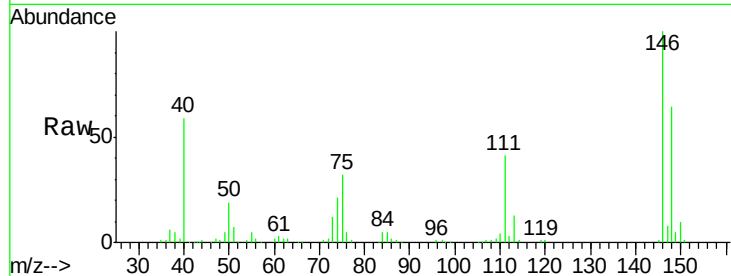
#83
 1,3-Dichlorobenzene
 Concen: 4.943 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.8	56.3
148	63.6	30.6	91.8

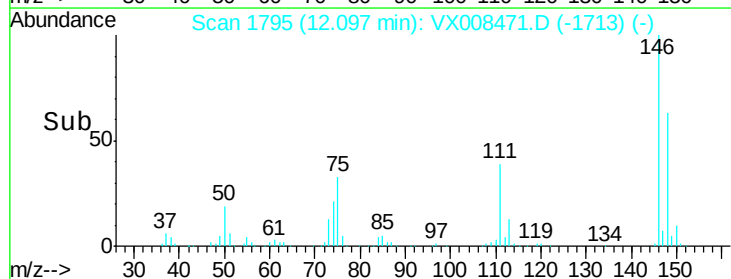
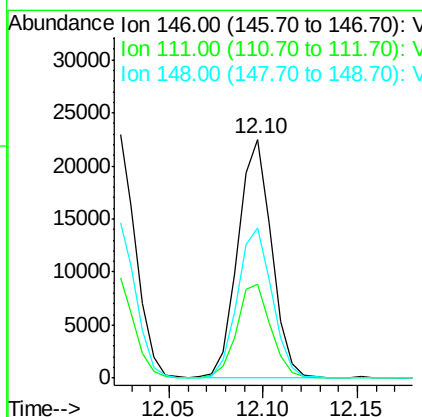
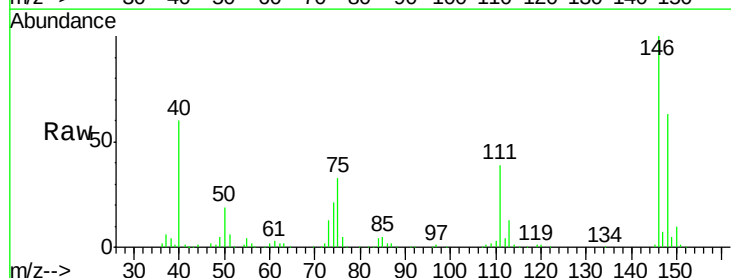
Manual Integrations
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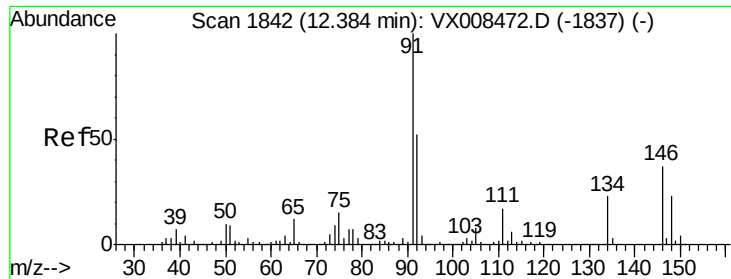
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#84
 1,4-Dichlorobenzene
 Concen: 4.930 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	17.6	52.8
148	64.7	31.4	94.2





#85

n-Butylbenzene

Concen: 5.703 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

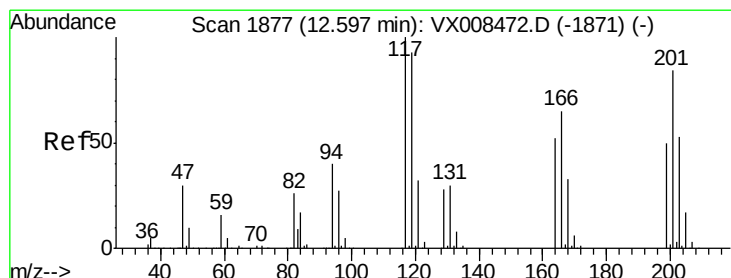
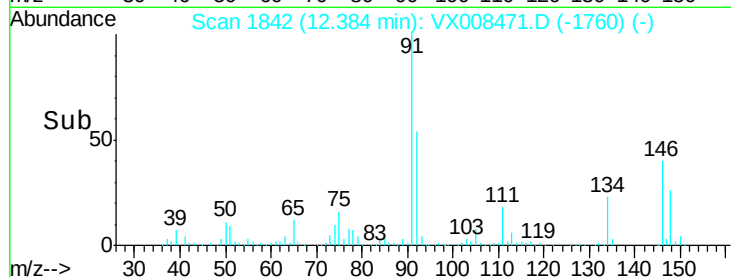
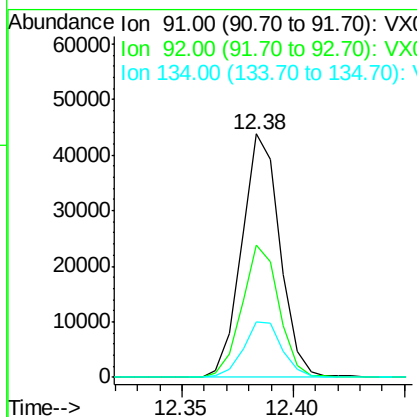
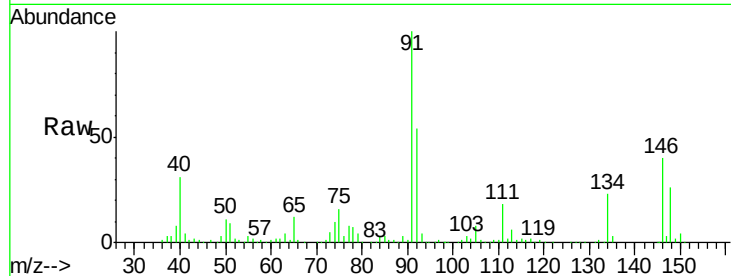
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	52399
Ion Ratio	Lower	Upper	
91	100		
92	53.0	0.0	105.2
134	23.4	0.0	56.4

Manual Integrations
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#86

Hexachloroethane

Concen: 4.751 ug/l

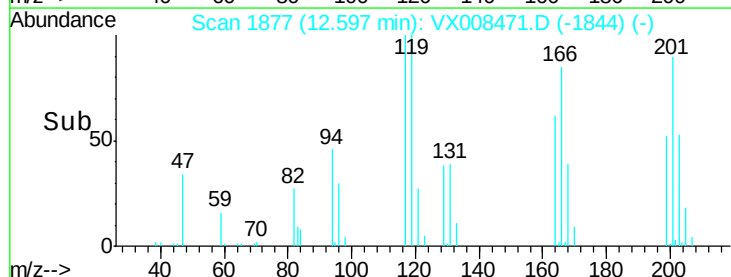
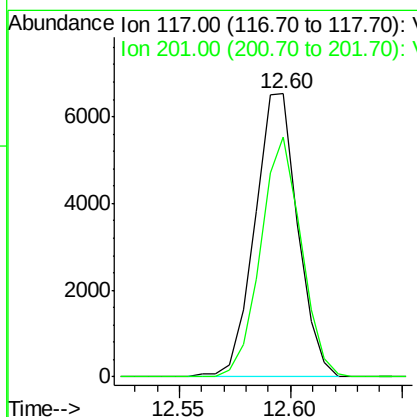
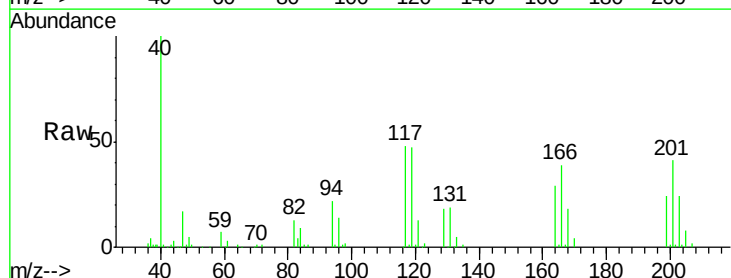
RT: 12.60 min Scan# 1877

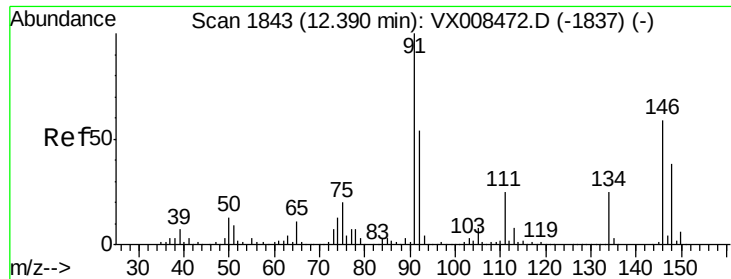
Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Tgt Ion:	117	Resp:	8746
Ion Ratio	Lower	Upper	
117	100		
201	80.2	41.1	123.3





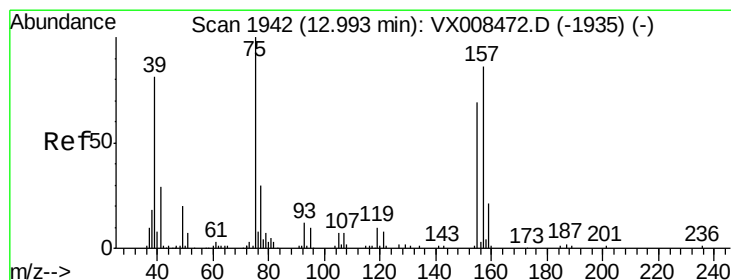
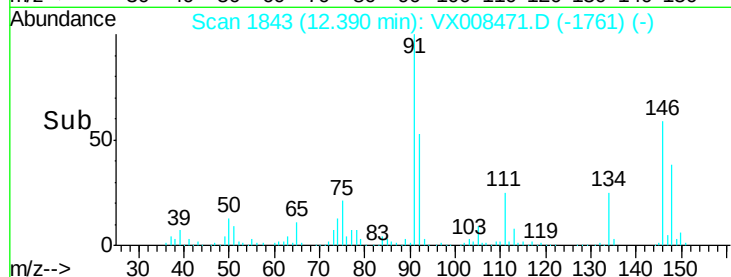
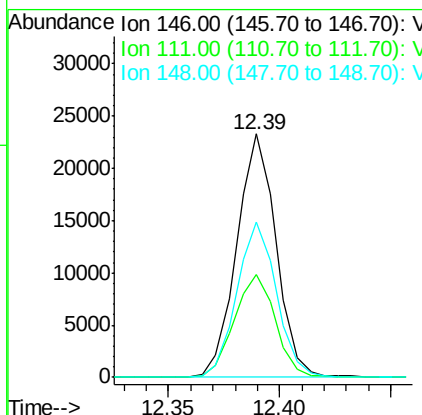
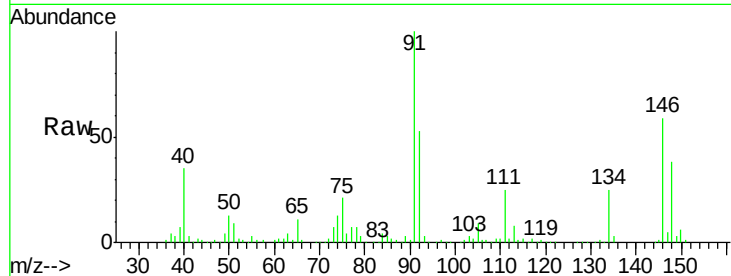
#87
 1,2-Dichlorobenzene
 Concen: 5.099 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	19.3	57.8
148	64.5	32.1	96.3

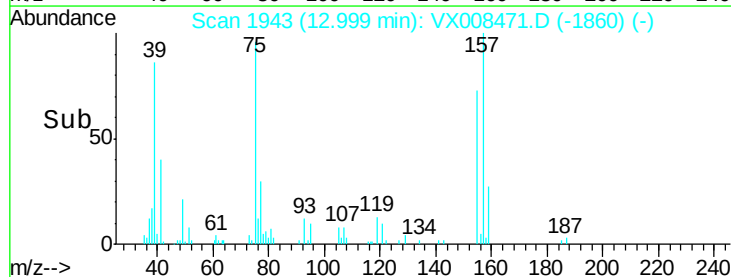
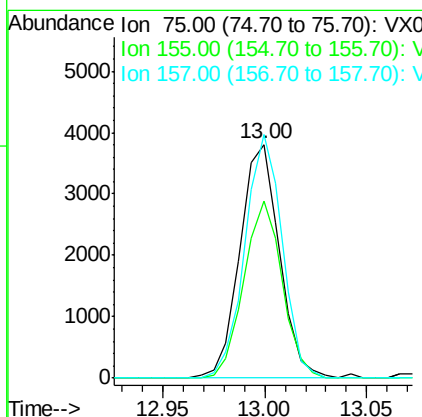
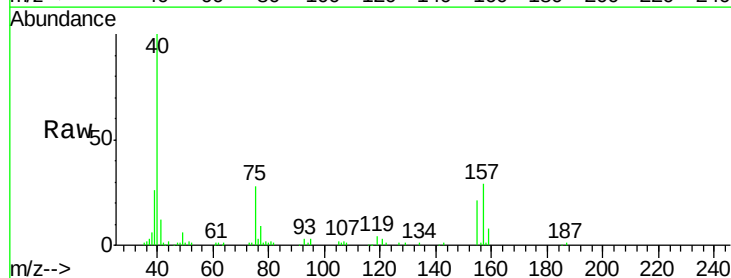
Manual Integrations
 APPROVED

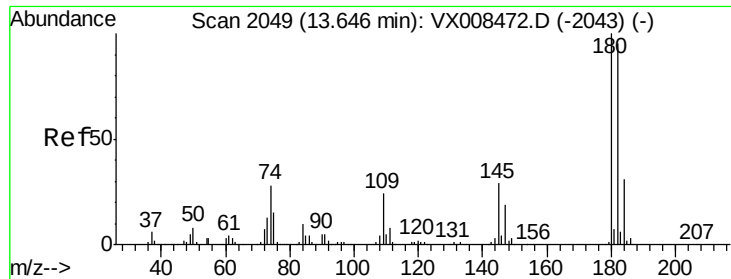
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.523 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	81.0	121.6#
157	98.3	103.2	154.8#





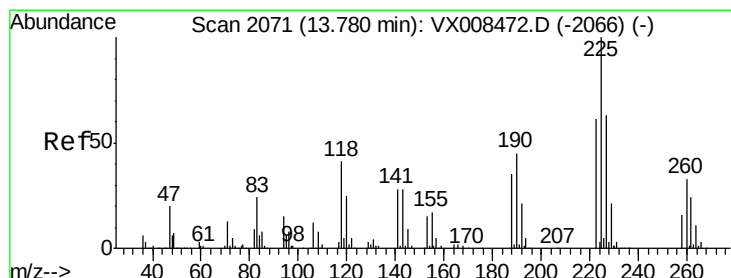
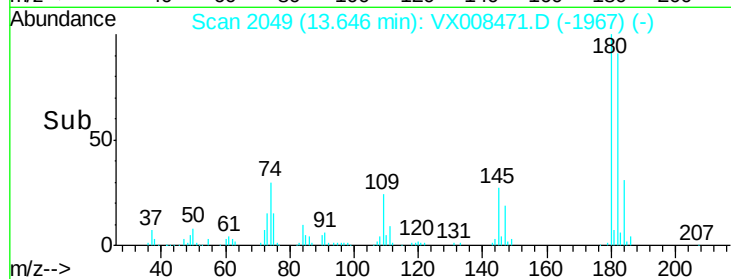
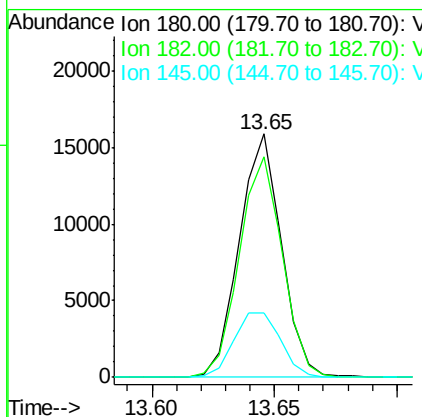
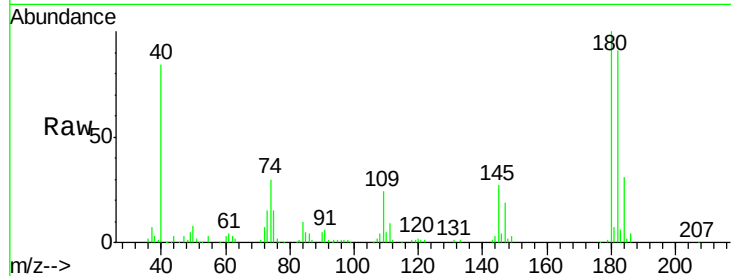
#89
 1,2,4-Trichlorobenzene
 Concen: 4.762 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.6	113.4
145	29.9	23.0	34.6

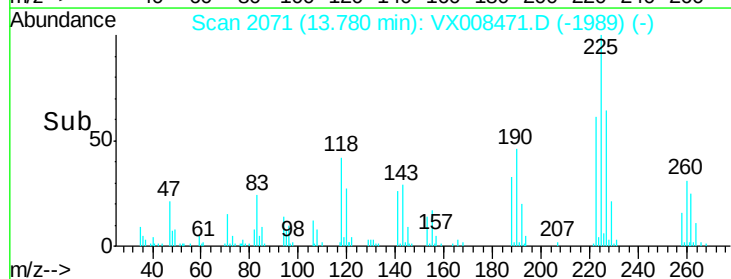
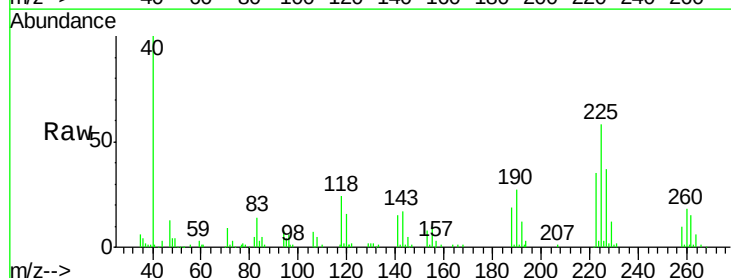
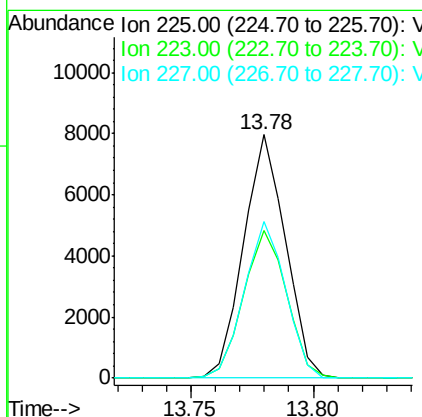
Manual Integrations
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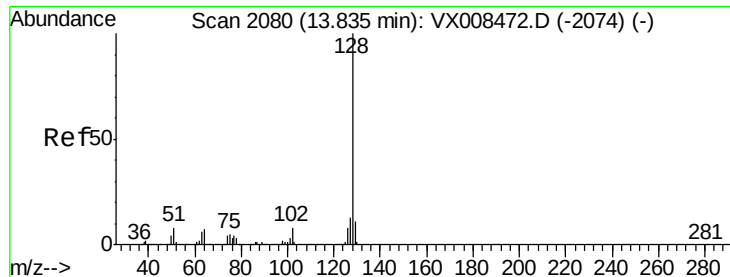
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#90
 Hexachlorobutadiene
 Concen: 4.765 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008471.D
 Acq: 27 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	123.8
227	63.6	0.0	124.4





#91

Naphthalene

Concen: 5.460 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Instrument :

MSVOA_X

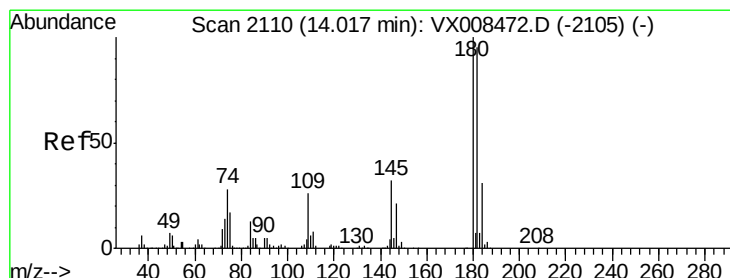
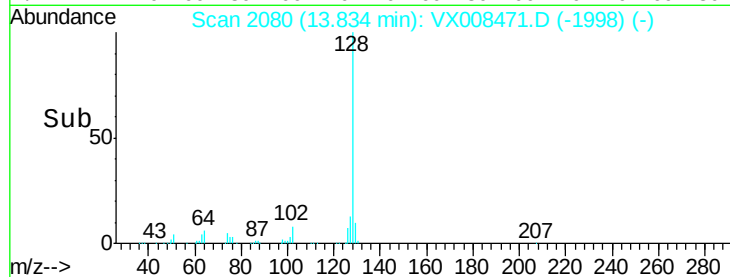
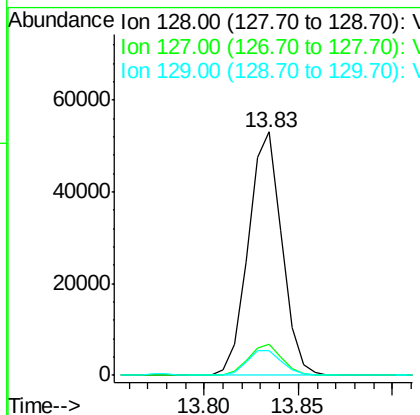
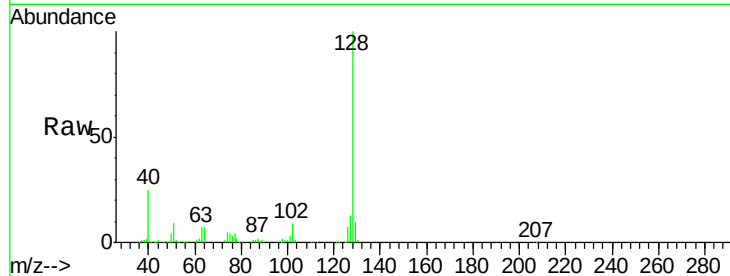
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	65339
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 4.913 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008471.D

Acq: 27 Mar 2019 10:07

Tgt Ion:	180	Resp:	19790
Ion Ratio	Lower	Upper	
180	100		
182	95.5	0.0	193.0
145	33.4	0.0	63.0

