

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120719\
 Data File : VX013837.D
 Acq On : 07 Dec 2019 13:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

apatel
 12/11/2019 8:55:48 AM

Quant Time: Dec 09 02:40:34 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Tue Nov 12 01:16:13 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	109989	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	624377	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	557986	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	234334	28.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.17%
60) 4-Bromofluorobenzene	11.13	95	268095	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	8.71	98	757214	30.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	155537	18.874	ug/l 100
3) Chloromethane	1.32	50	167220	18.618	ug/l 100
4) Vinyl Chloride	1.40	62	192303	18.843	ug/l 98
5) Bromomethane	1.64	94	101586	16.558	ug/l 99
6) Chloroethane	1.72	64	103000	18.360	ug/l 99
7) Trichlorofluoromethane	1.92	101	206774	18.820	ug/l 98
8) Diethyl Ether	2.18	74	92118	18.363	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128959	19.509	ug/l 100
10) 1,1-Dichloroethene	2.37	96	124044	18.261	ug/l 95
11) Methyl Iodide	2.50	142	134348	16.017	ug/l 98
12) Methyl Acetate	2.76	43	205513	17.266	ug/l 97
13) Acrolein	2.28	56	113402	89.690	ug/l 99
14) Acrylonitrile	3.13	53	360842	82.439	ug/l 99
15) Acetone	2.43	58	134604	101.536	ug/l 96
16) Carbon Disulfide	2.56	76	336785	17.775	ug/l 100
17) Allyl chloride	2.72	41	223667	17.880	ug/l 98
18) Methylene Chloride	2.85	84	147379	19.122	ug/l 97
19) trans-1,2-Dichloroethene	3.15	96	135289	18.635	ug/l 98
20) Diisopropyl ether	3.84	45	453400	18.839	ug/l # 83
21) 1,1-Dichloroethane	3.69	63	242738	18.518	ug/l 96
22) cis-1,2-Dichloroethene	4.58	96	155417	18.777	ug/l 97
23) tert-Butyl Alcohol	3.03	59	154150	73.180	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	411616	18.309	ug/l 100
25) Chloroform	5.19	83	240194	18.720	ug/l 93
26) Cyclohexane	5.56	56	223329	18.761	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	185595	19.461	ug/l 97
30) 2-Butanone	4.65	43	561515	89.204	ug/l 99
31) 2,2-Dichloropropane	4.57	77	198766	19.245	ug/l 100
32) 1,1,1-Trichloroethane	5.48	97	201776	19.035	ug/l 98
33) Carbon Tetrachloride	5.78	117	170375	18.505	ug/l 98
34) Benzene	6.13	78	556482	19.238	ug/l 98
35) Methacrylonitrile	5.03	41	112572	17.908	ug/l 95
36) 1,2-Dichloroethane	6.18	62	191513	18.915	ug/l 100
37) Trichloroethene	7.20	130	149263	19.261	ug/l 99
38) Methylcyclohexane	7.46	83	227815	19.482	ug/l 98
39) 1,2-Dichloropropane	7.50	63	143005	19.120	ug/l 97
40) Dibromomethane	7.65	93	91486	18.380	ug/l 99

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Quant Time: Dec 09 02:40:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	179363	18.459	ug/l	99
42) Vinyl Acetate	3.80	43	1808442	91.252	ug/l	100
43) Ethyl Acetate	4.81	43	194665	16.956	ug/l	96
44) Isopropyl Acetate	6.43	43	324703	17.595	ug/l	99
45) 1,4-Dioxane	7.73	88	64728	317.686	ug/l	98
46) Methyl methacrylate	7.76	41	164081	17.874	ug/l	97
47) n-amyl Acetate	10.89	43	279280	17.253	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	196700	18.053	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	222477	18.634	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	138813	18.846	ug/l	98
51) Ethyl methacrylate	9.17	69	219377	18.089	ug/l	97
52) 1,3-Dichloropropane	9.37	76	239056	18.985	ug/l	98
53) Dibromochloromethane	9.57	129	144789	18.547	ug/l	98
54) 1,2-Dibromoethane	9.67	107	146080	18.547	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	357219	68.937	ug/l	99
56) Bromoform	10.85	173	105527	16.986	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	1019161	87.433	ug/l	100
59) 2-Hexanone	9.48	43	793680	86.055	ug/l	99
61) Tetrachloroethene	9.33	164	140377	20.402	ug/l	93
62) Toluene	8.78	91	592210	19.054	ug/l	99
64) Chlorobenzene	10.14	112	377060	19.403	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	136386	18.749	ug/l	100
66) Ethyl Benzene	10.25	91	665466	19.489	ug/l	100
67) m/p-Xylenes	10.35	106	509556	38.687	ug/l	99
68) o-Xylene	10.70	106	245593	19.321	ug/l	97
69) Styrene	10.71	104	413049	19.029	ug/l	99
70) Isopropylbenzene	11.01	105	647890	19.343	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	216551	18.056	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	199034m	19.655	ug/l	
73) Bromobenzene	11.25	156	166725	18.875	ug/l	99
74) n-propylbenzene	11.35	91	744850	19.568	ug/l	100
75) 2-Chlorotoluene	11.42	91	438671	19.380	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	545867	19.389	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	64947	15.862	ug/l	97
78) 4-Chlorotoluene	11.51	91	498174	19.209	ug/l	100
79) tert-butylbenzene	11.76	119	534651	18.822	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	541566	19.303	ug/l	99
81) sec-Butylbenzene	11.94	105	634733	19.585	ug/l	100
82) p-Isopropyltoluene	12.06	119	579006	19.390	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	297187	19.137	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	298458	19.362	ug/l	98
85) n-Butylbenzene	12.38	91	497350	19.298	ug/l	99
86) Hexachloroethane	12.59	117	99707	18.196	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	294177	18.944	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	45393	16.925	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	196330	18.336	ug/l	96
90) Hexachlorobutadiene	13.77	225	98338	19.166	ug/l	96
91) Naphthalene	13.83	128	581648	17.157	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	197318	18.236	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

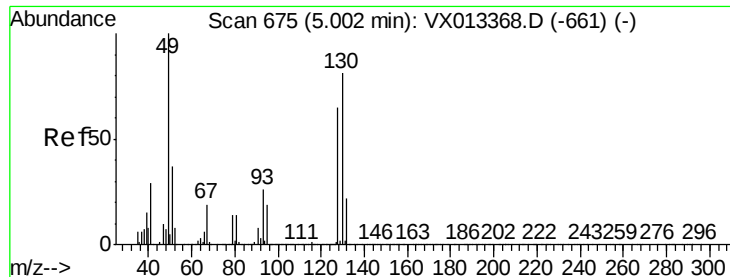
Manual Integrations
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Quant Time: Dec 09 02:40:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

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



#1

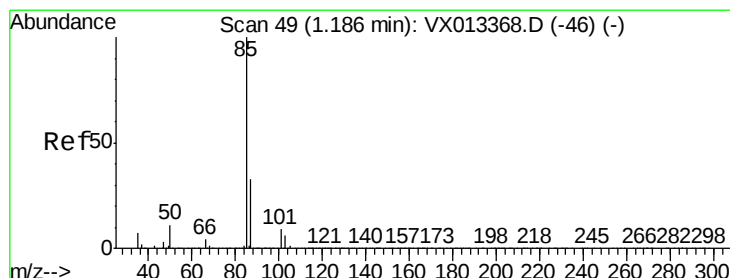
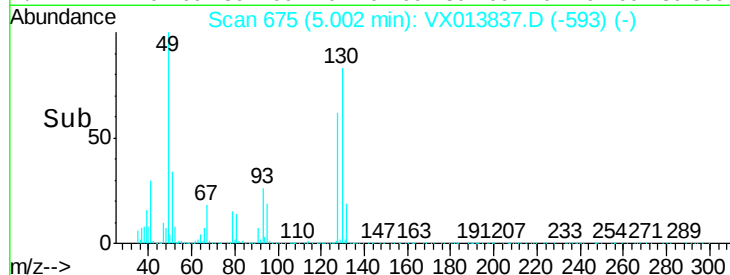
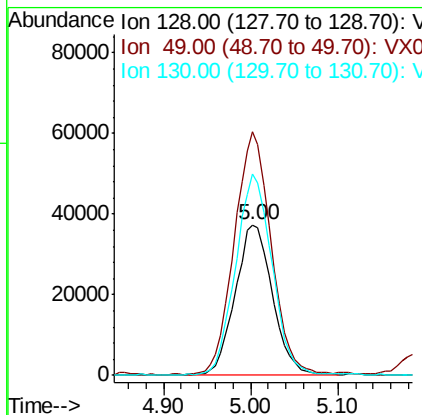
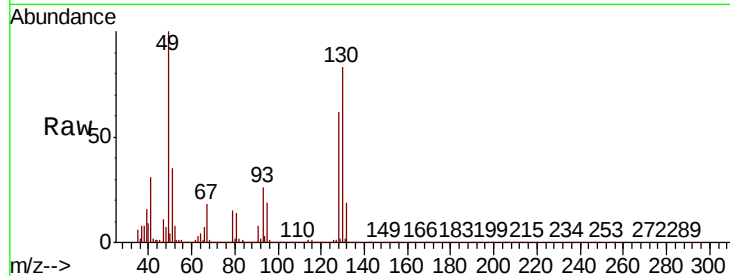
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	161.1	0.0	388.3
130	131.1	0.0	318.5

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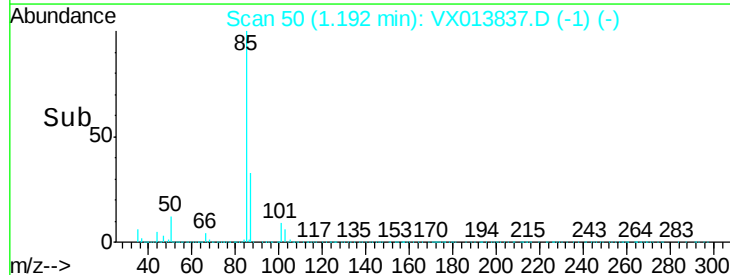
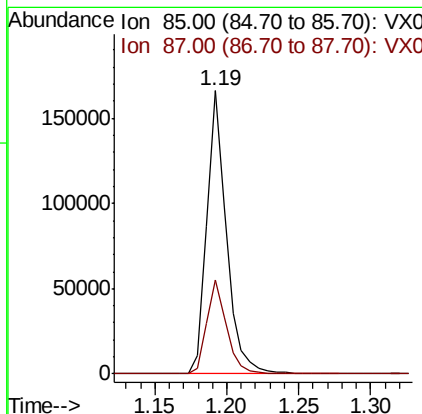
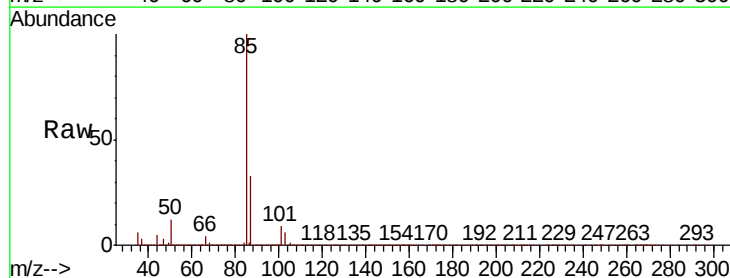
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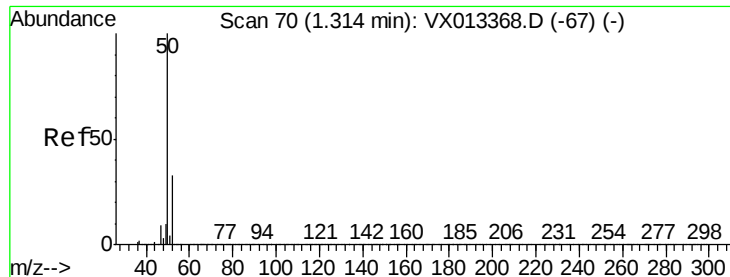


#2

Dichlorodifluoromethane
Concen: 18.874 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.7





#3

Chloromethane

Concen: 18.618 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 167220

Ion Ratio Lower Upper

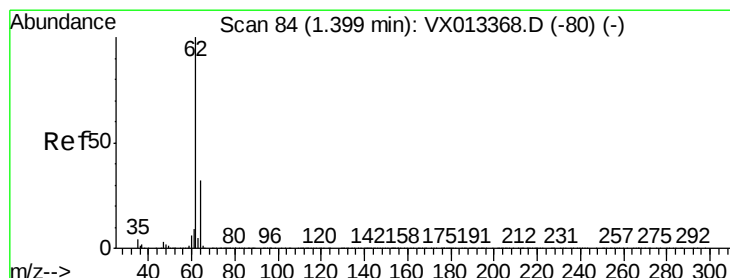
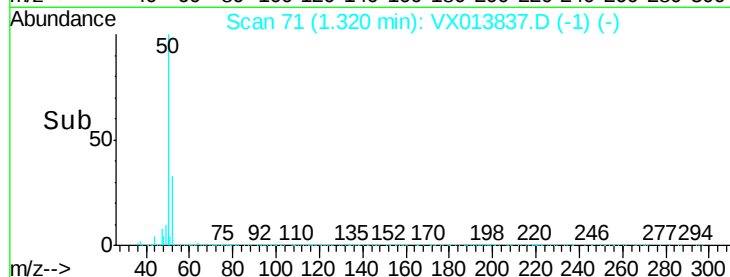
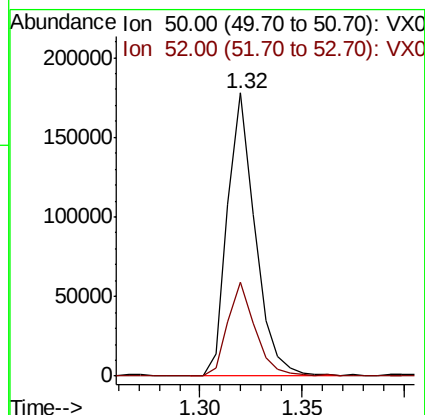
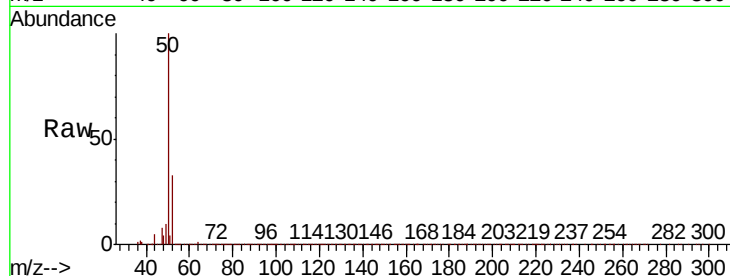
50 100

52 33.2 26.6 40.0

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#4

Vinyl Chloride

Concen: 18.843 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013837.D

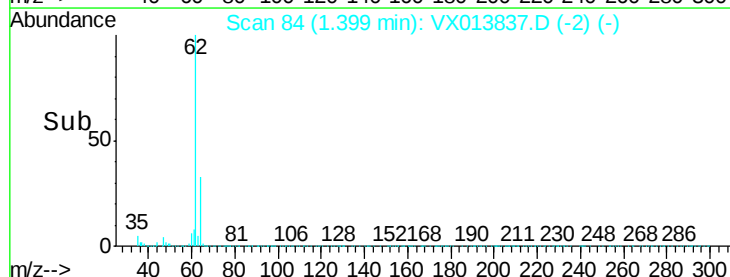
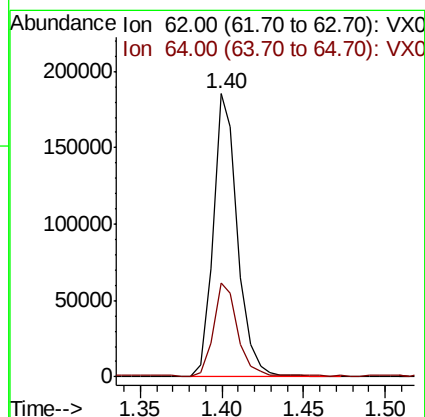
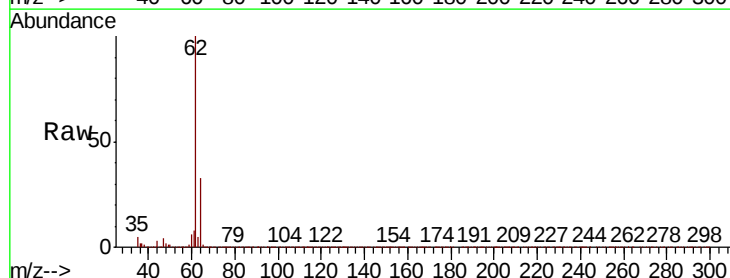
Acq: 07 Dec 2019 13:13

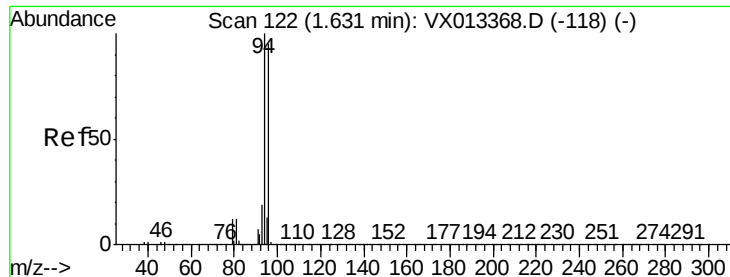
Tgt Ion: 62 Resp: 192303

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.2





#5

Bromomethane

Concen: 16.558 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 101586

Ion Ratio Lower Upper

94 100

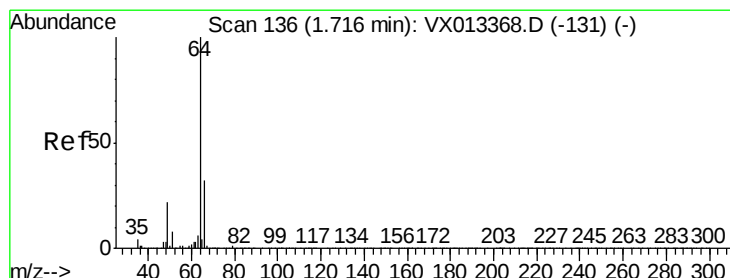
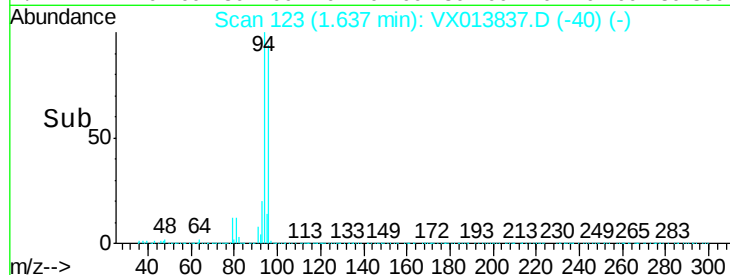
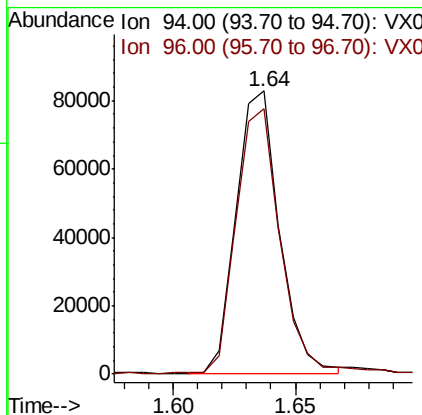
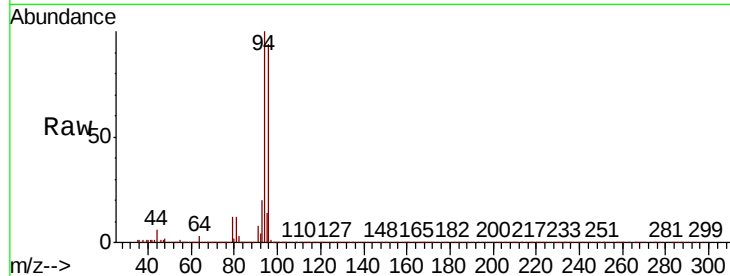
96 93.6 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 18.360 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013837.D

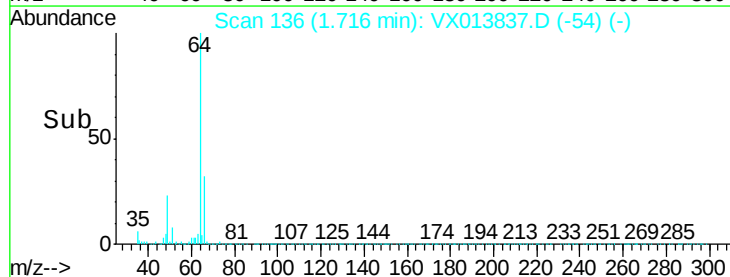
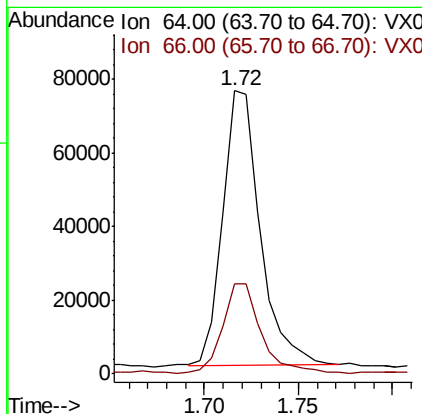
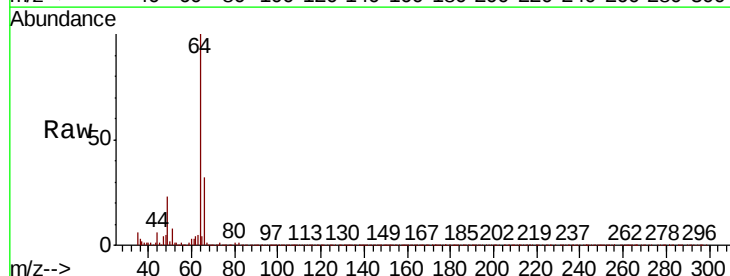
Acq: 07 Dec 2019 13:13

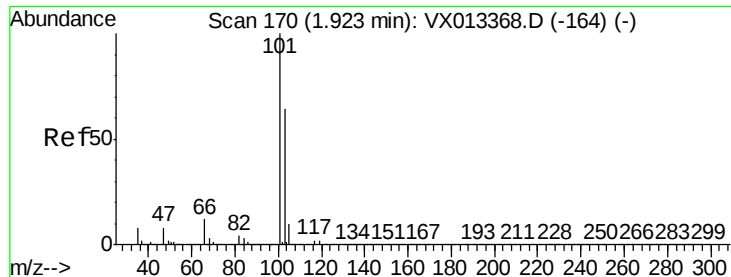
Tgt Ion: 64 Resp: 103000

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3





#7

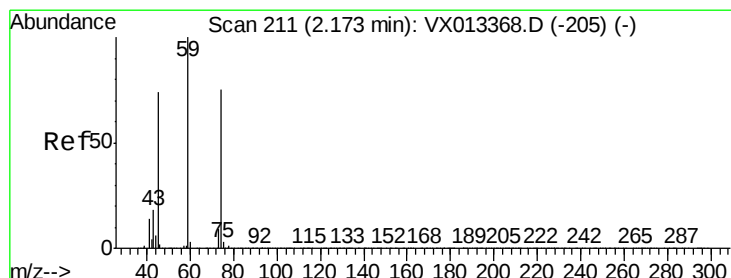
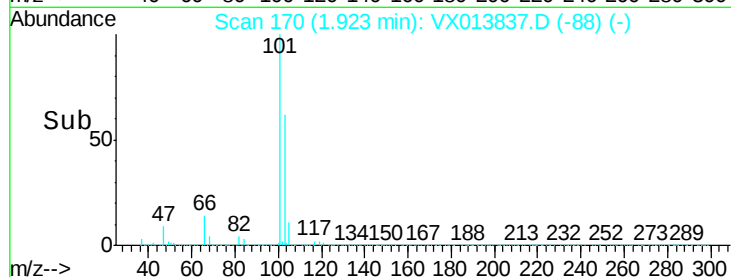
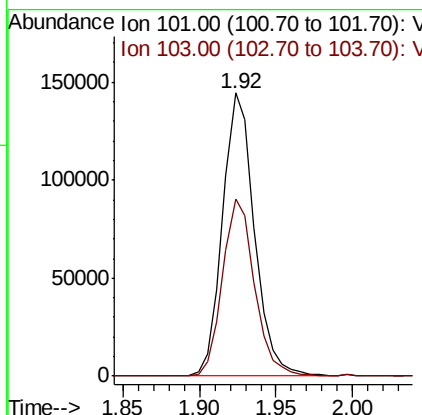
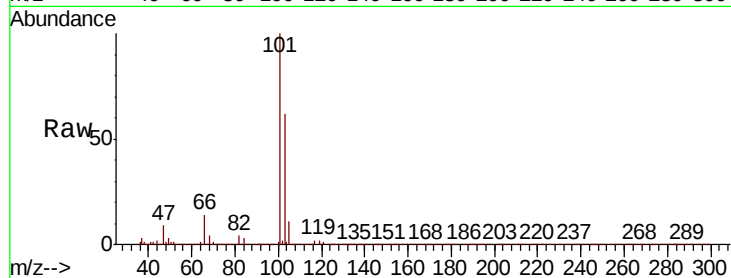
Trichlorofluoromethane
Concen: 18.820 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.2	76.8

Manual Integrations
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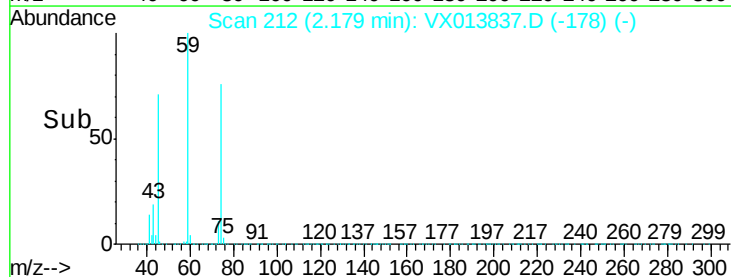
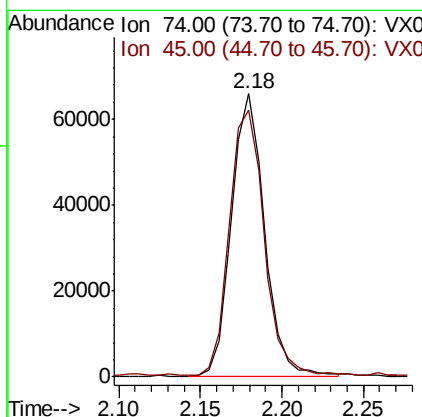
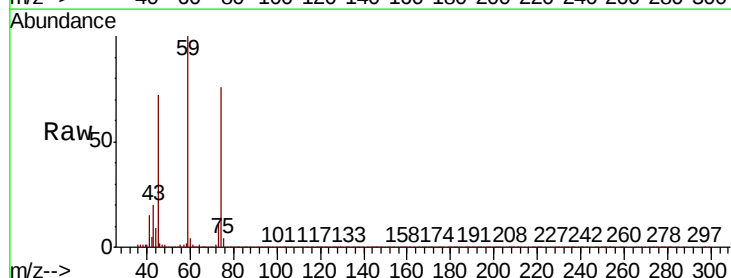
apatel
12/11/2019 8:55:48 AM

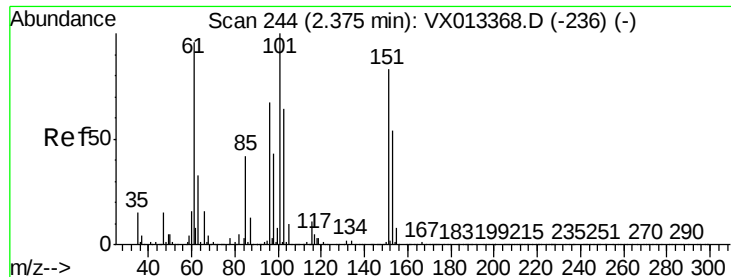


#8

Diethyl Ether
Concen: 18.363 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	19.5	175.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.509 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

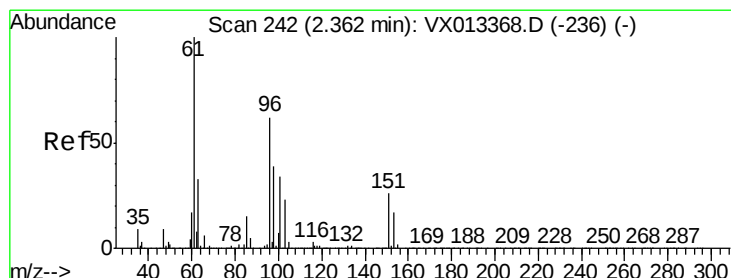
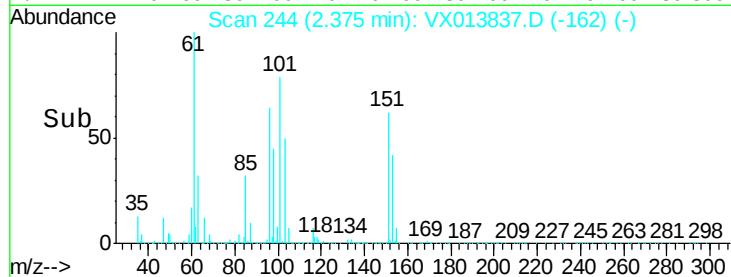
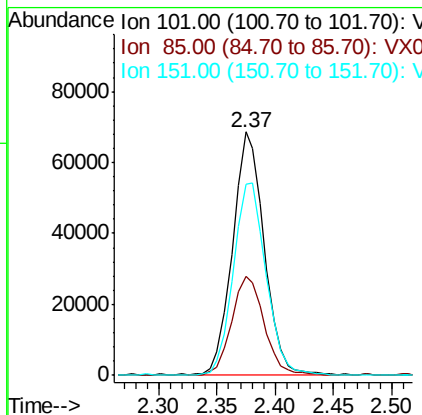
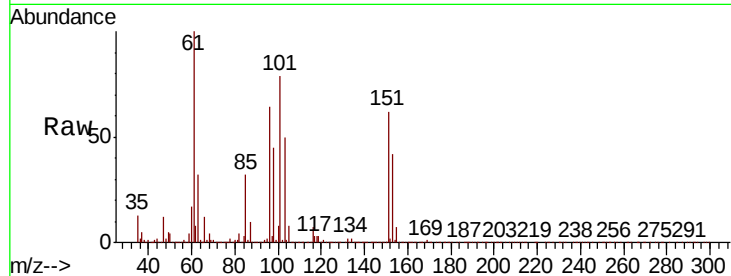
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	128959
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	83.2
151	82.1	0.0	163.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.261 ug/l

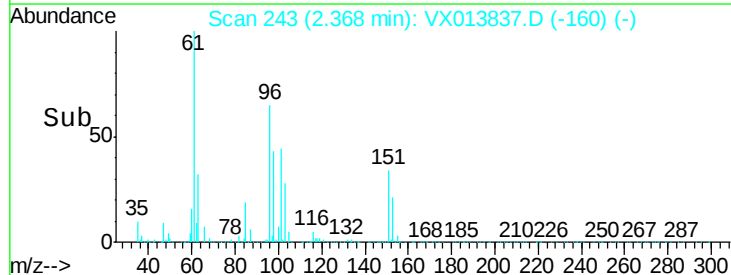
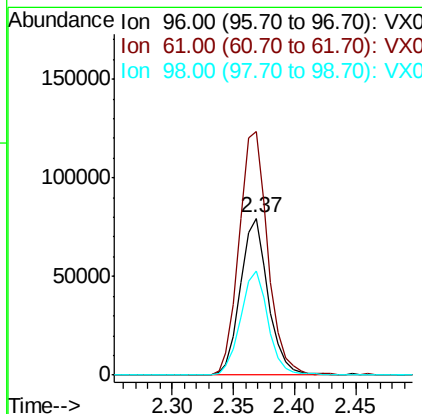
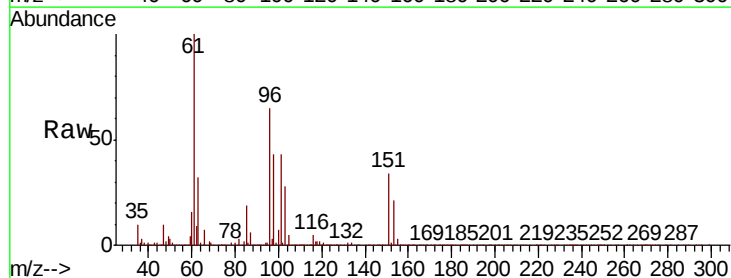
RT: 2.37 min Scan# 243

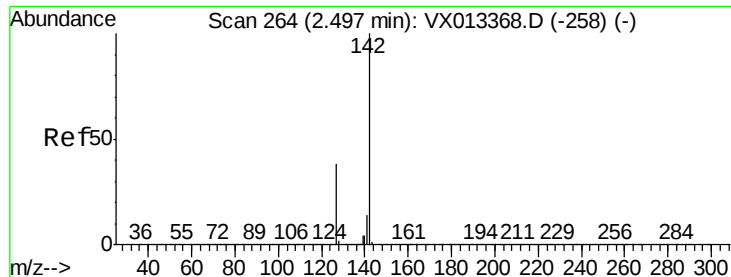
Delta R.T. 0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Tgt Ion:	96	Resp:	124044
Ion Ratio	Lower	Upper	
96	100		
61	154.8	128.9	193.3
98	66.2	49.7	74.5





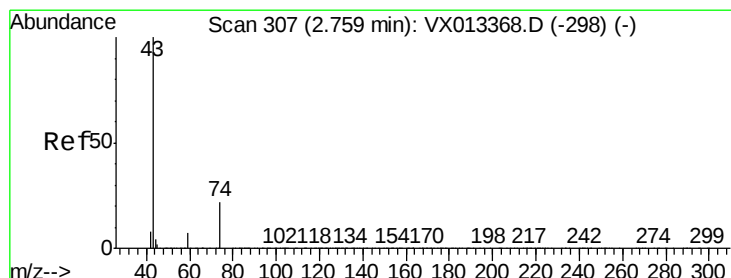
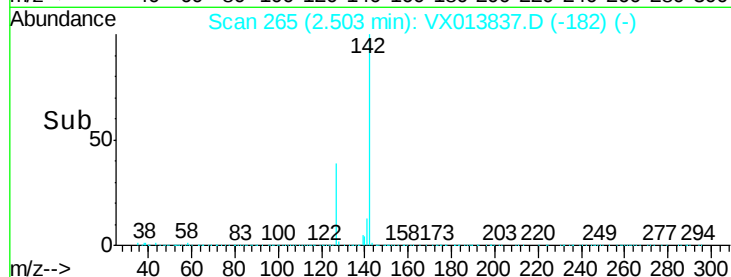
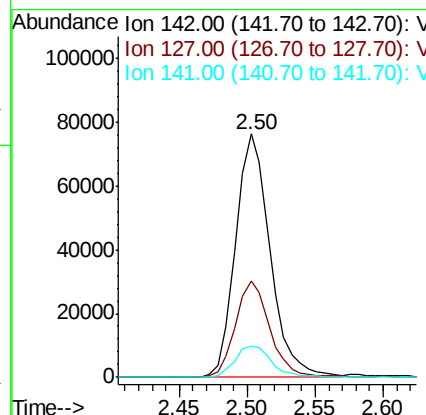
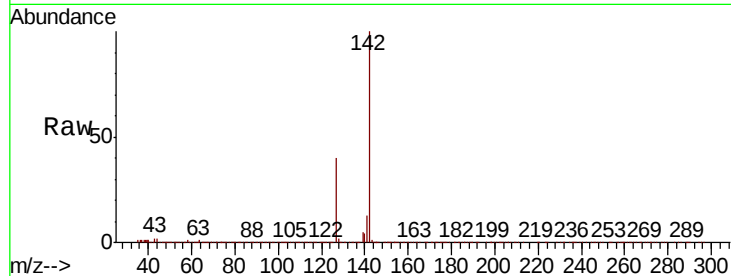
#11
Methyl Iodide
Concen: 16.017 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	19.1	57.5
141	12.5	7.0	21.0

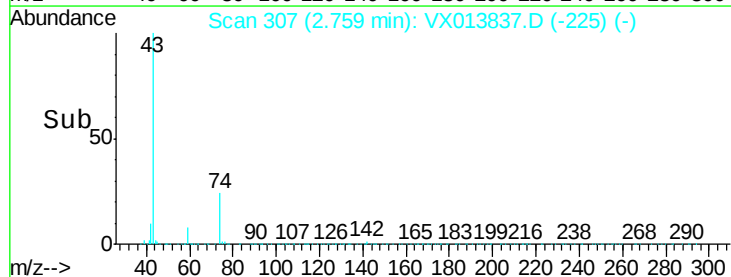
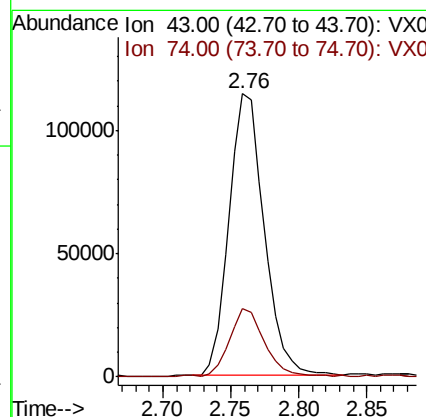
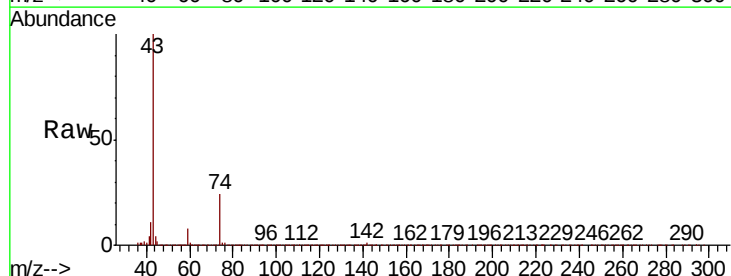
Manual Integrations
APPROVED

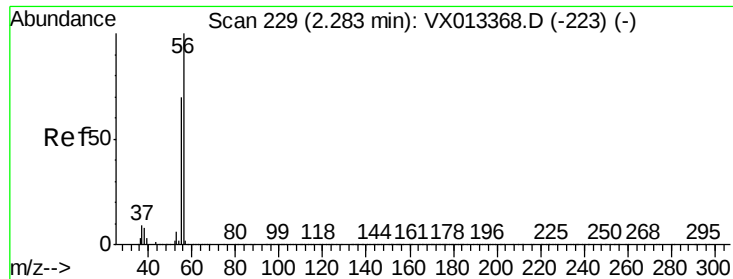
apatel
12/11/2019 8:55:48 AM



#12
Methyl Acetate
Concen: 17.266 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.0	27.0





#13

Acrolein

Concen: 89.690 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 113402

Ion Ratio Lower Upper

56 100

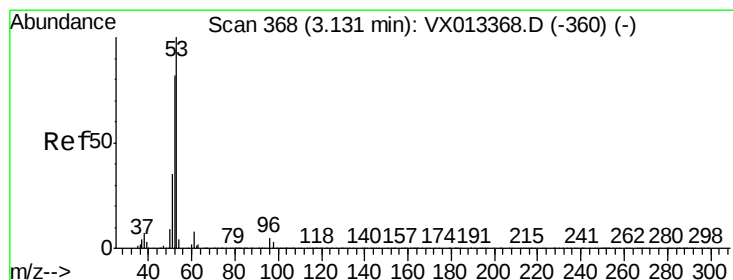
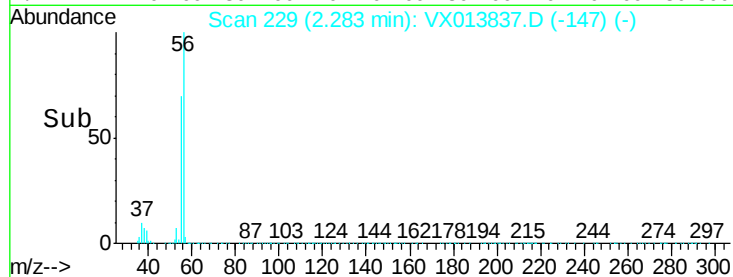
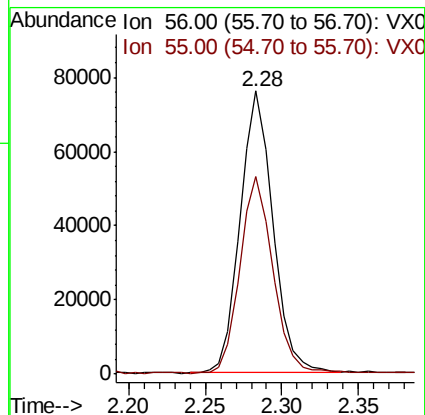
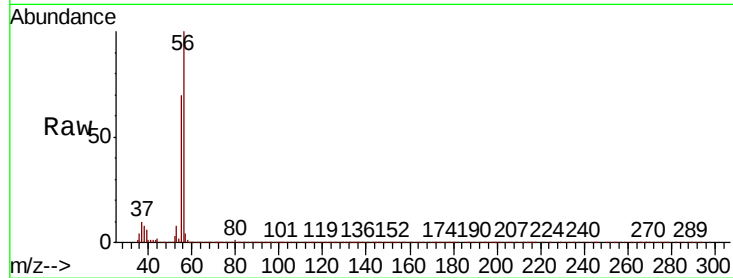
55 69.3 55.8 83.8

Manual Integrations

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#14

Acrylonitrile

Concen: 82.439 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

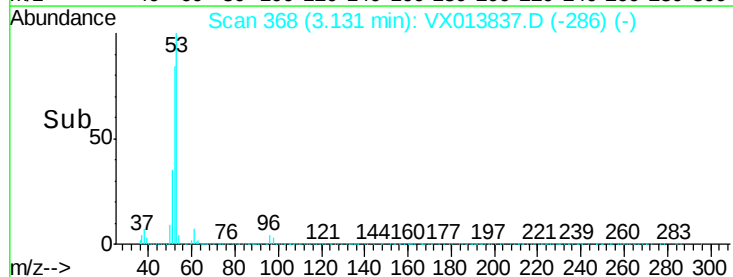
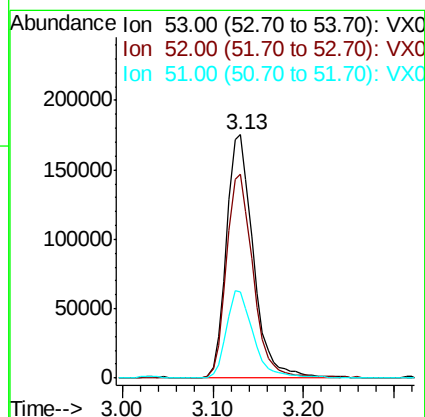
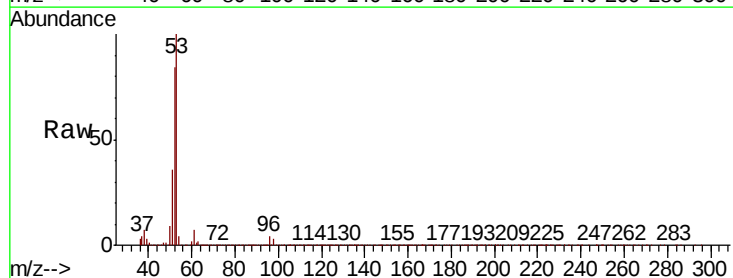
Tgt Ion: 53 Resp: 360842

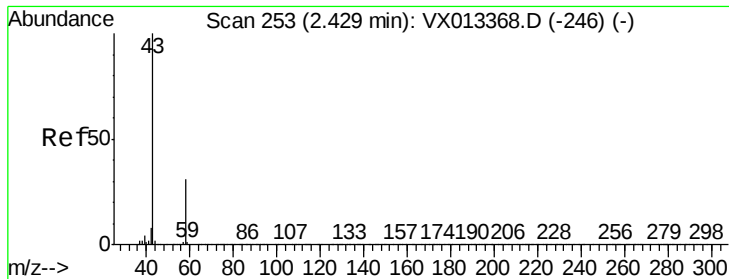
Ion Ratio Lower Upper

53 100

52 82.9 41.0 123.0

51 35.8 17.3 51.9





#15

Acetone

Concen: 101.536 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 134604

Ion Ratio Lower Upper

58 100

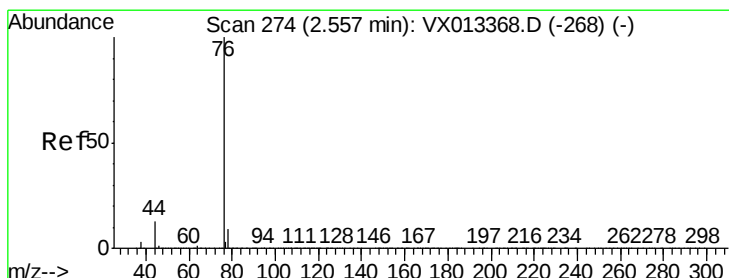
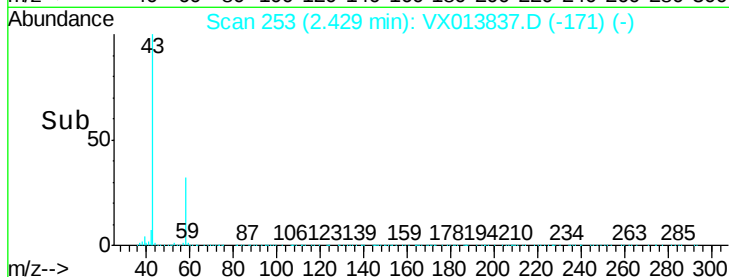
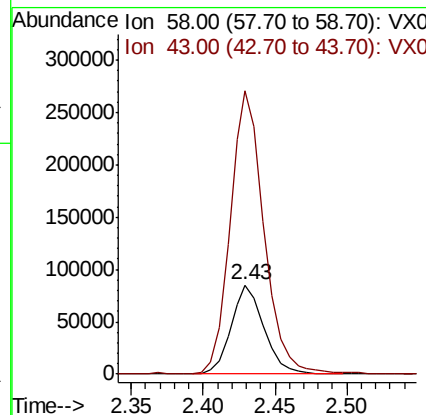
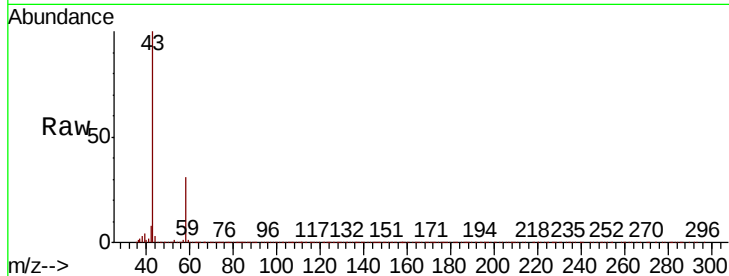
43 318.3 261.4 392.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.775 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013837.D

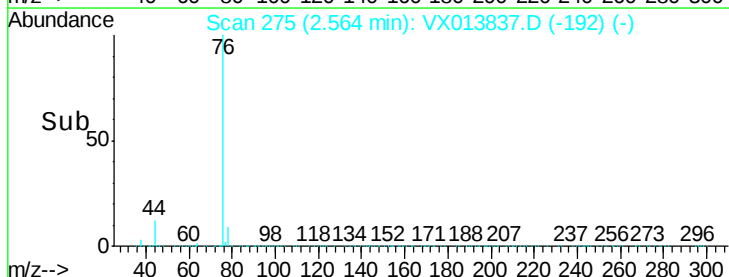
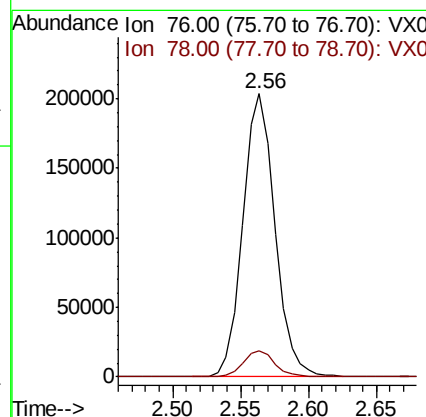
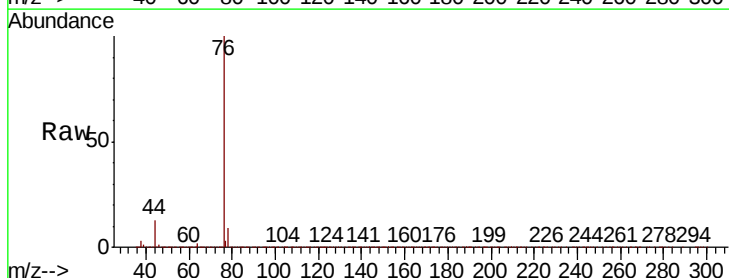
Acq: 07 Dec 2019 13:13

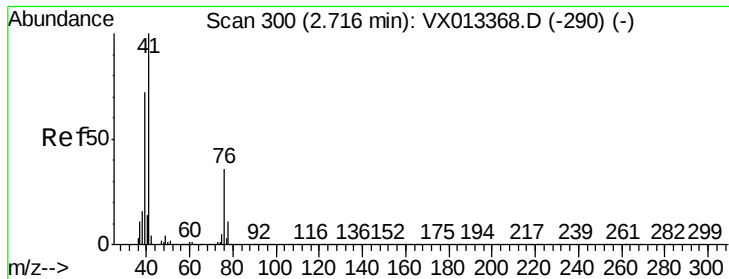
Tgt Ion: 76 Resp: 336785

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





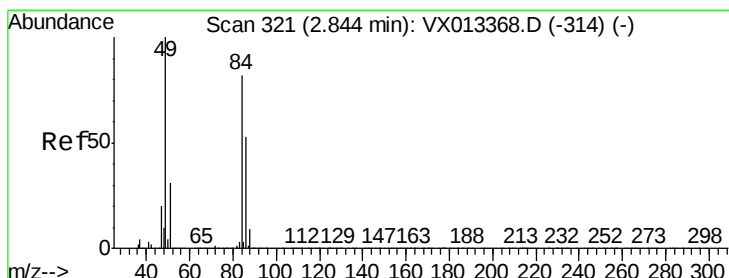
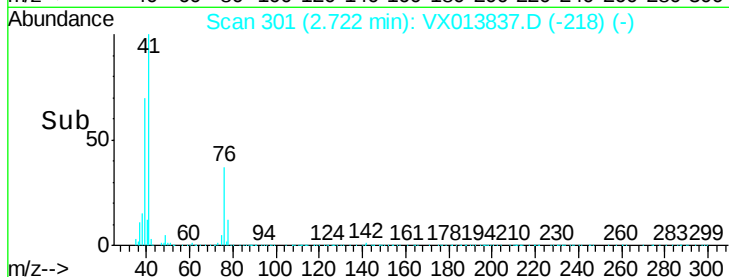
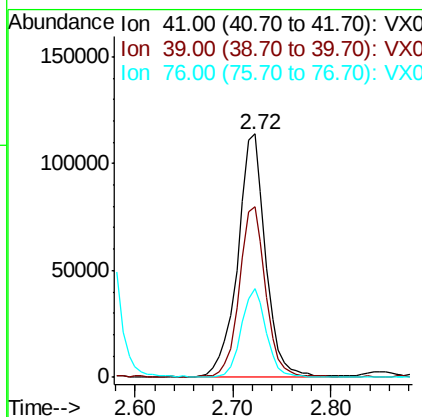
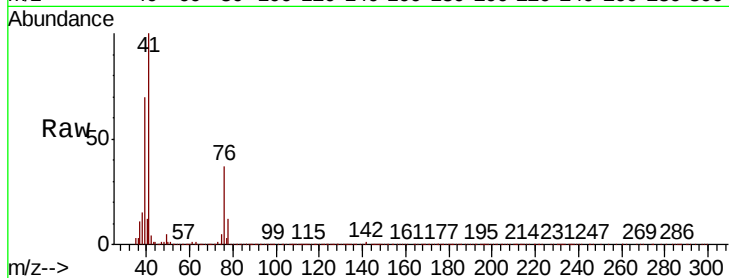
#17
Allvl chloride
Concen: 17.880 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	223667
Ion Ratio	Lower	Upper	
41	100		
39	69.9	36.1	108.3
76	36.7	18.1	54.4

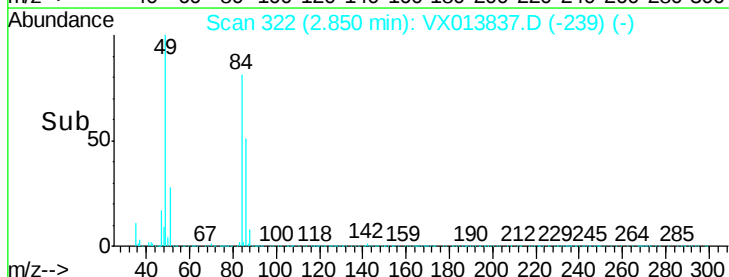
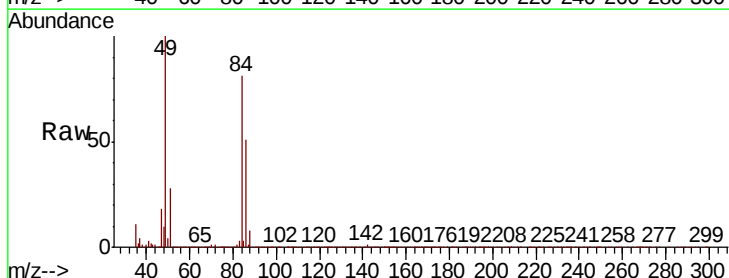
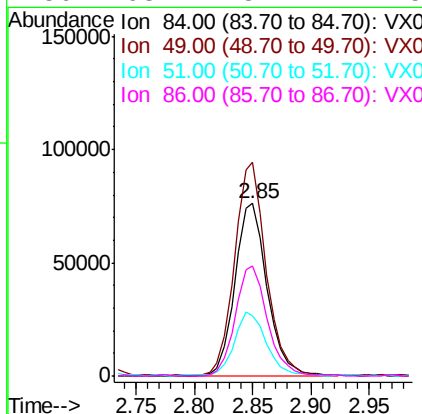
Manual Integrations
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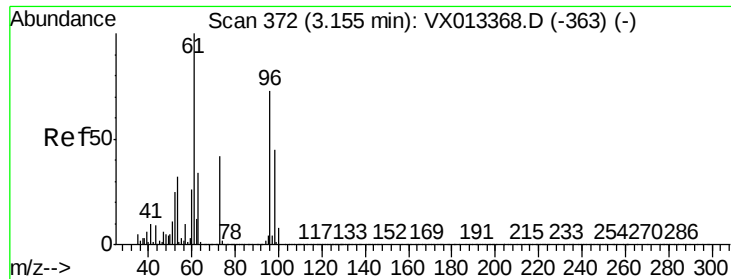
apatel
12/11/2019 8:55:48 AM



#18
Methylene Chloride
Concen: 19.122 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion:	84	Resp:	147379
Ion Ratio	Lower	Upper	
84	100		
49	123.3	96.8	145.2
51	34.3	30.0	45.0
86	63.2	51.7	77.5





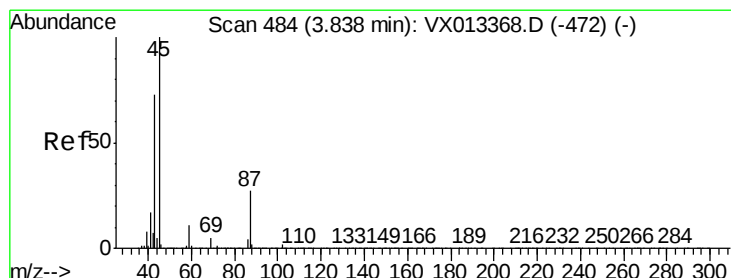
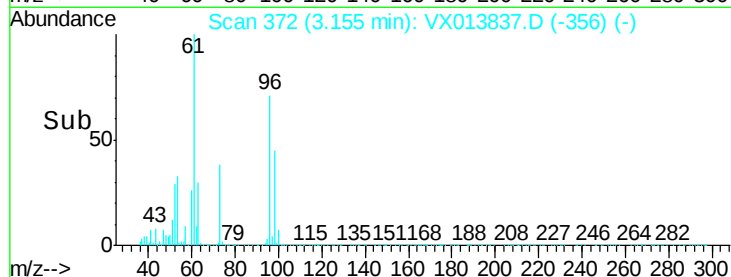
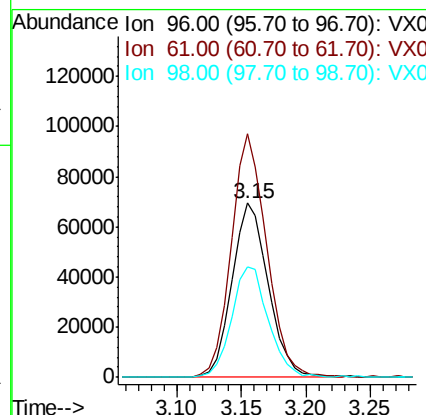
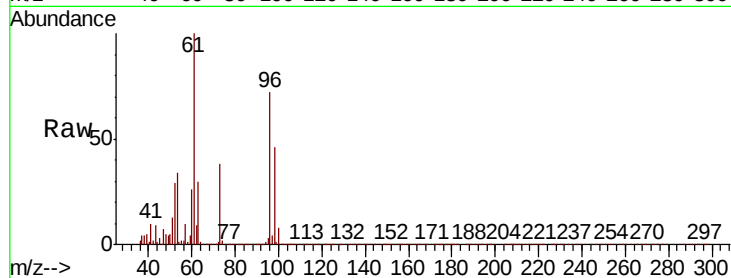
#19
trans-1,2-Dichloroethene
Concen: 18.635 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	109.9	164.9
98	63.4	49.7	74.5

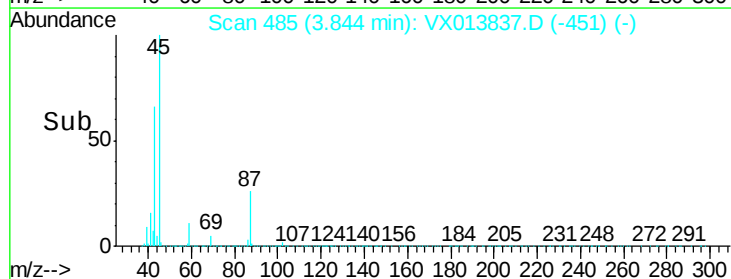
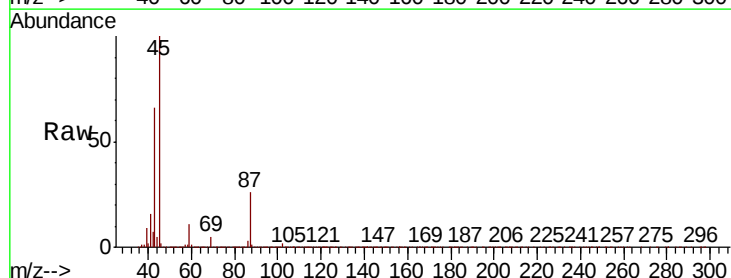
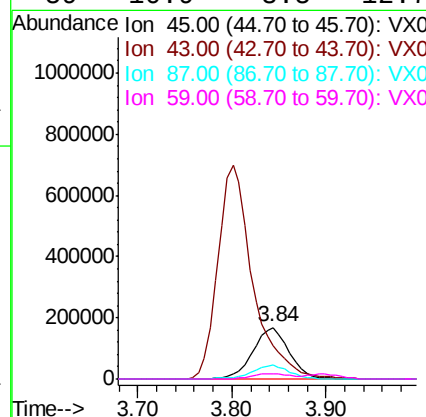
Manual Integrations
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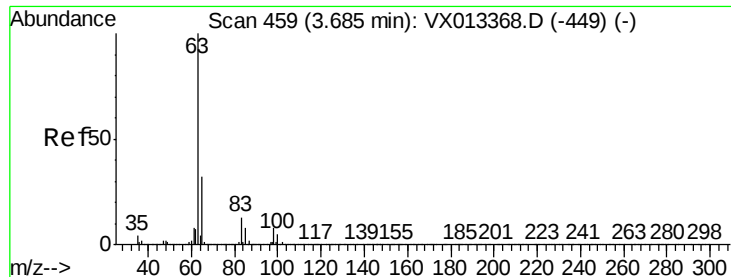
apatel
12/11/2019 8:55:48 AM



#20
Diisopropyl ether
Concen: 18.839 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	67.7	101.5#
87	26.2	21.5	32.3
59	10.9	8.5	12.7





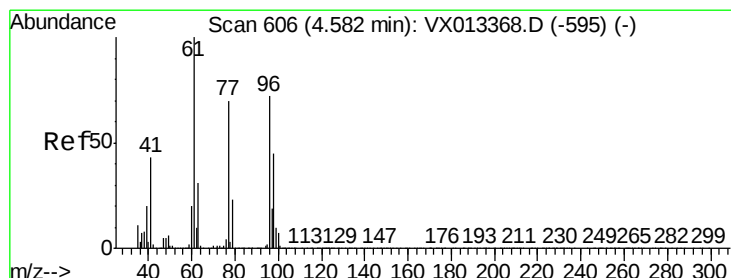
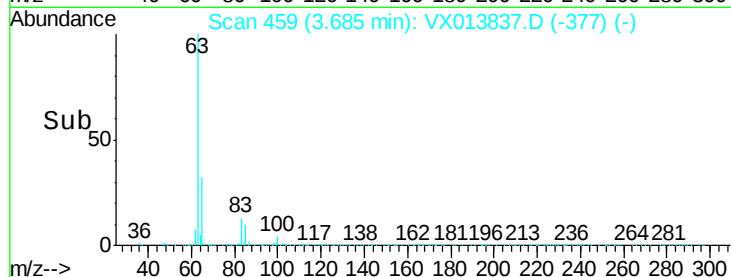
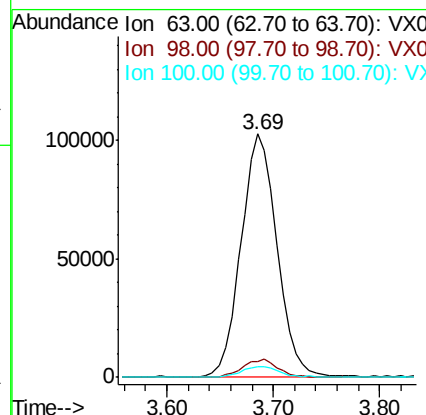
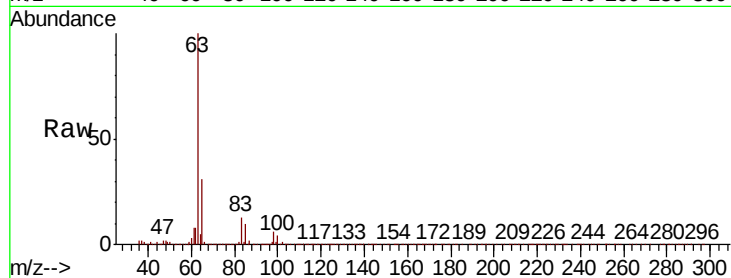
#21
1,1-Dichloroethane
Concen: 18.518 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	4.0	11.9
100	4.1	2.5	7.5

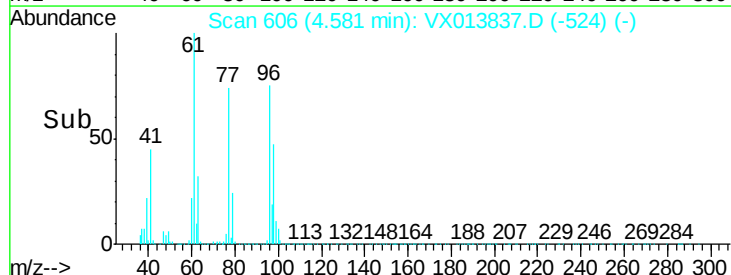
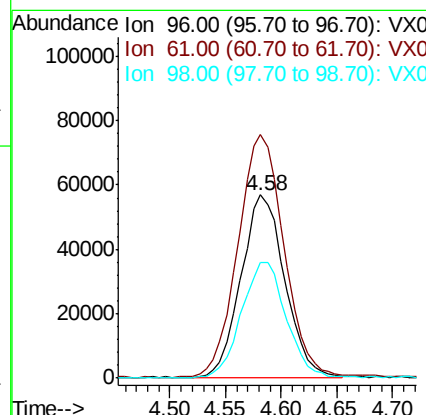
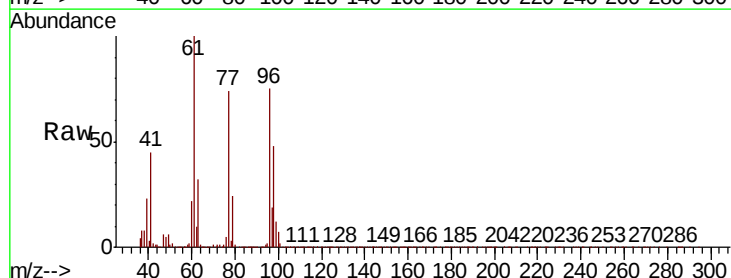
Manual Integrations
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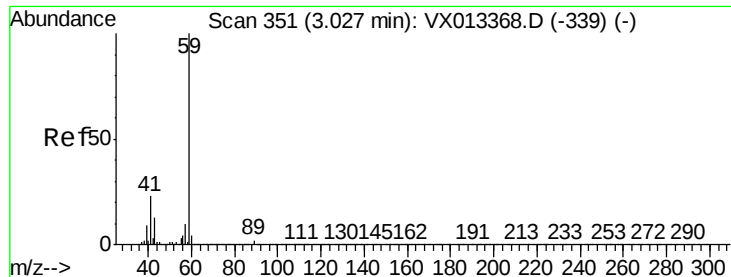
apatel
12/11/2019 8:55:48 AM



#22
cis-1,2-Dichloroethene
Concen: 18.777 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	117.0	175.6
98	63.9	51.1	76.7





#23

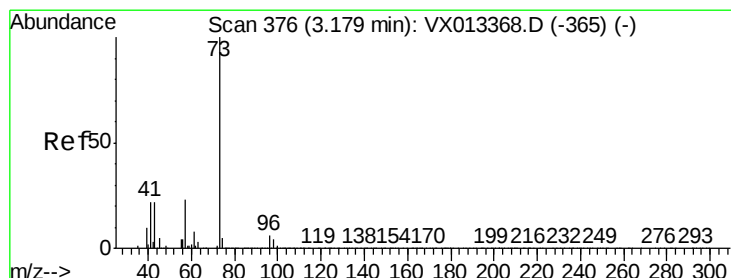
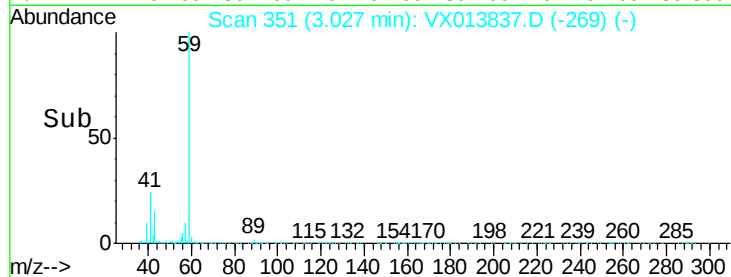
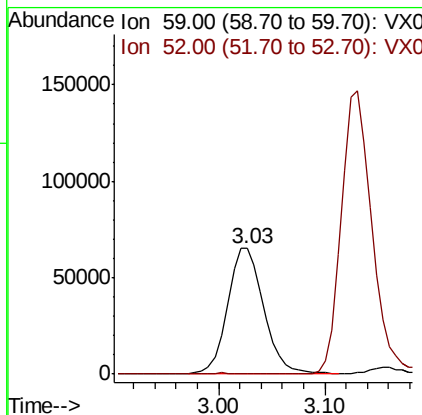
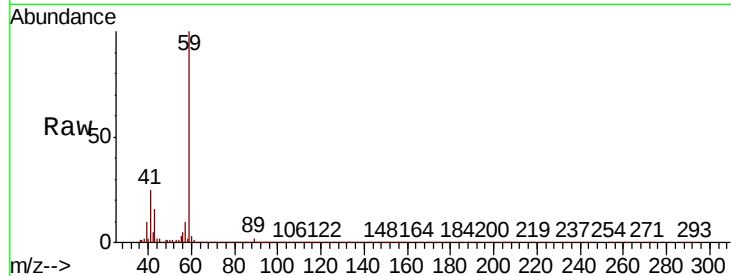
tert-Butyl Alcohol
 Concen: 73.180 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
 APPROVED

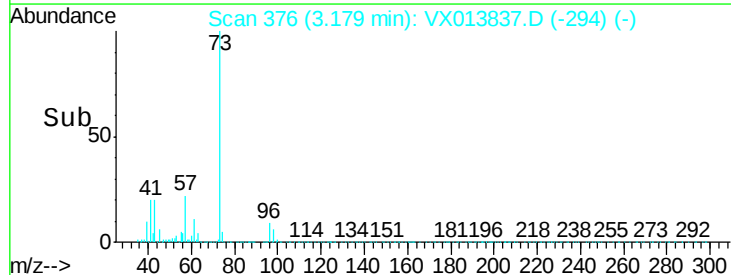
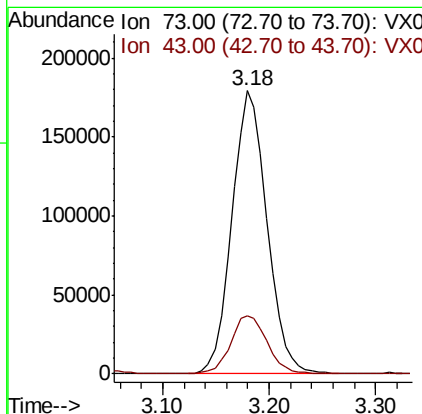
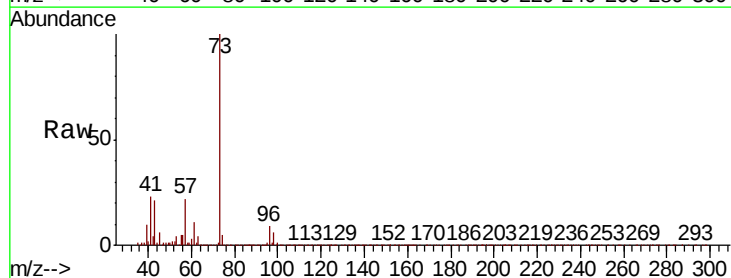
apatel
 12/11/2019 8:55:48 AM

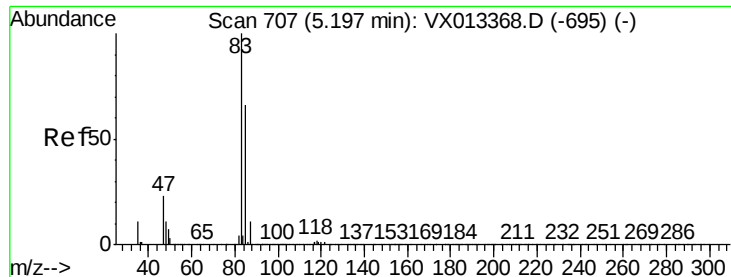


#24

Methyl tert-Butyl Ether
 Concen: 18.309 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.1	17.0	25.6





#25

Chloroform

Concen: 18.720 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 240194

Ion Ratio Lower Upper

83 100

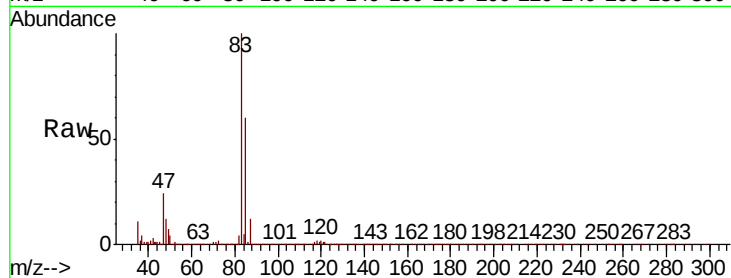
85 60.0 52.4 78.6

Manual Integrations

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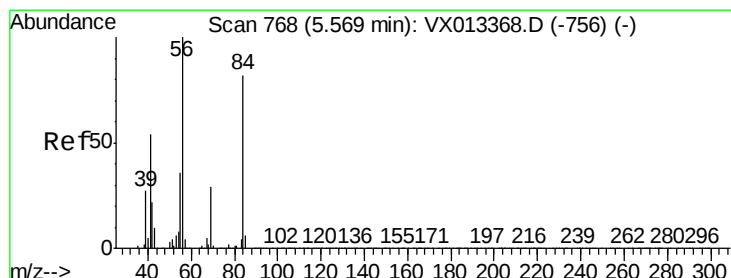
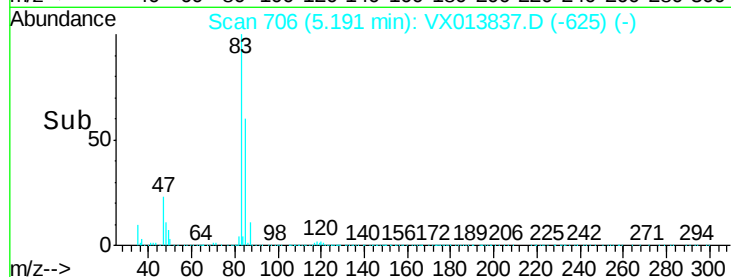
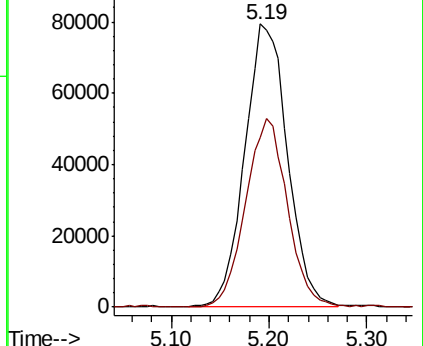
apatel

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 18.761 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

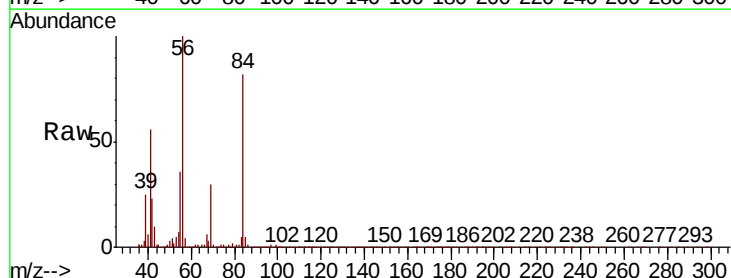
Tgt Ion: 56 Resp: 223329

Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

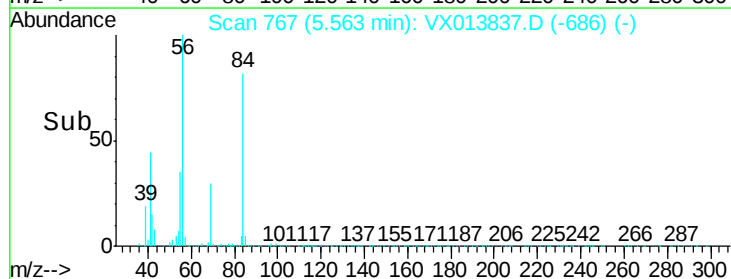
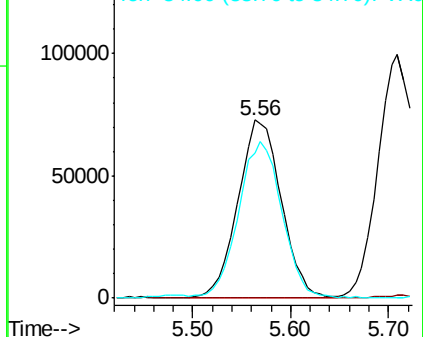
84 87.1 70.5 105.7

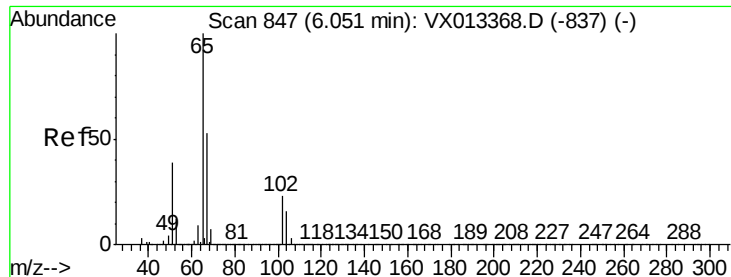


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

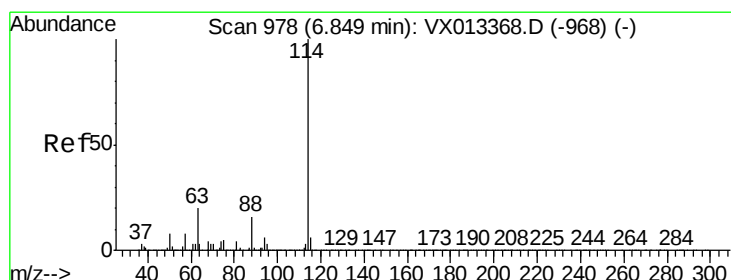
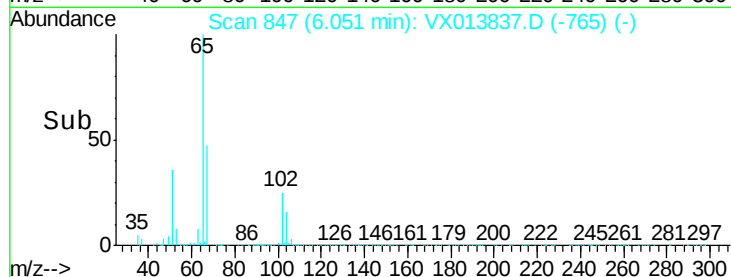
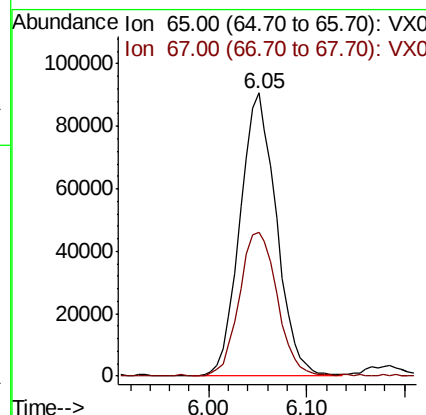
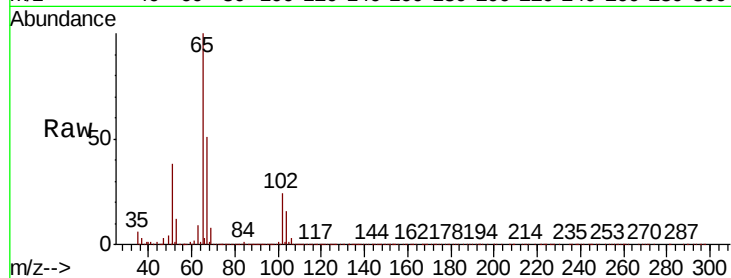
1,2-Dichloroethane-d4
Concen: 28.852 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	41.0	61.6

Manual Integrations
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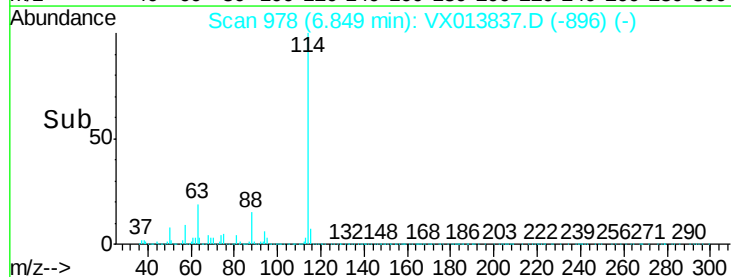
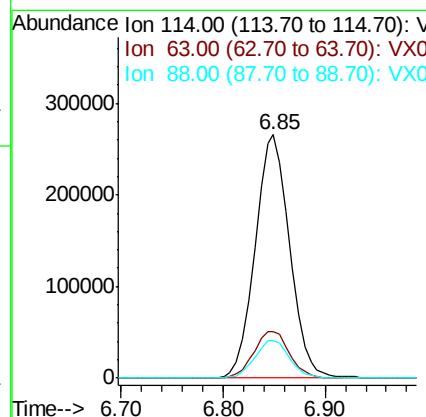
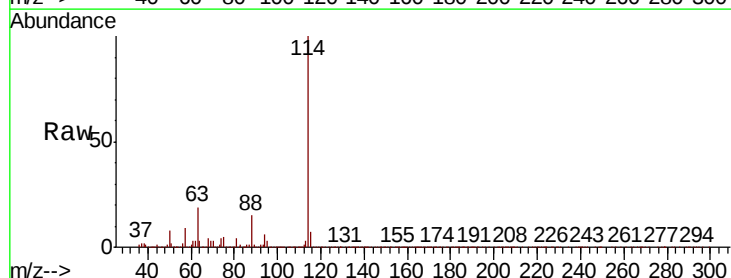
apatel
12/11/2019 8:55:48 AM

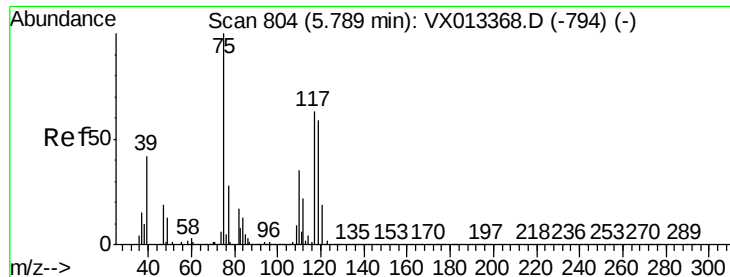


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.1	24.1
88	15.5	12.3	18.5





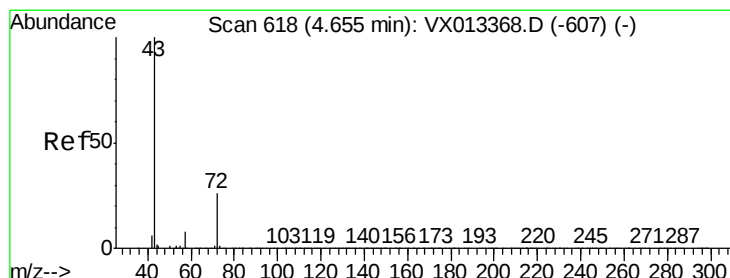
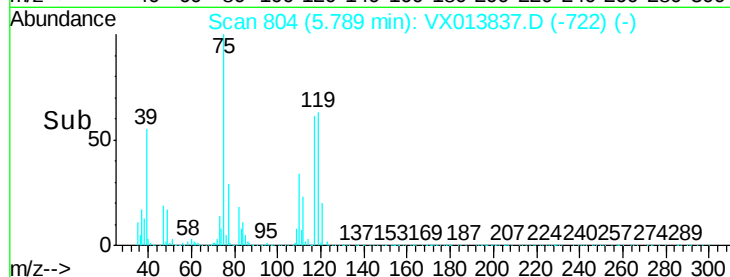
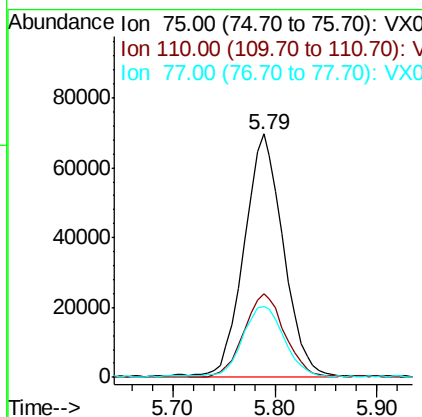
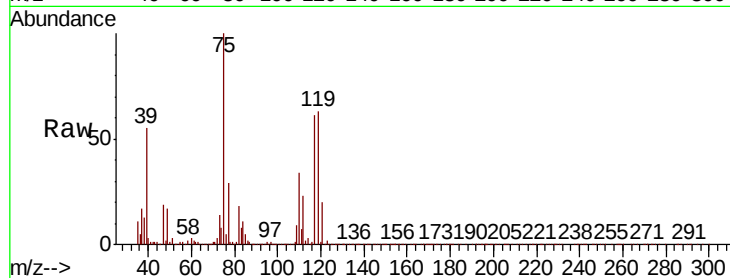
#29
 1,1-Dichloropropene
 Concen: 19.461 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.0	0.0	74.6
77	30.7	0.0	62.6

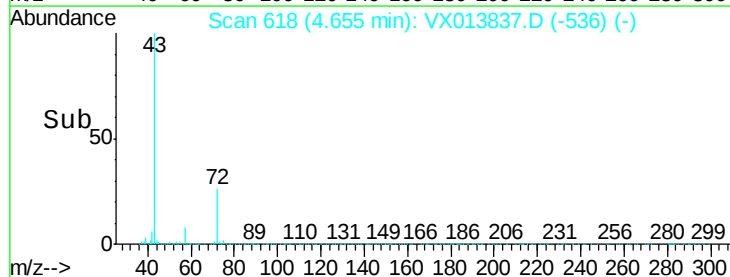
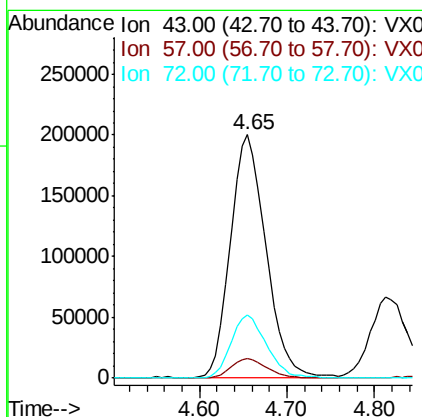
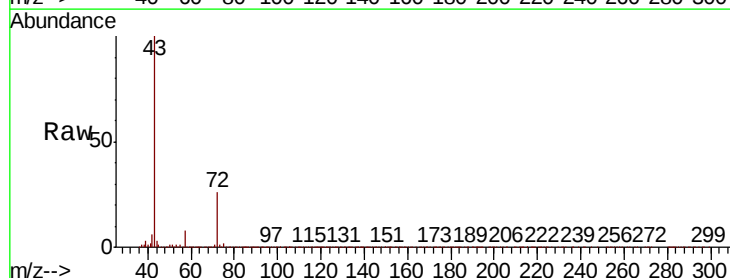
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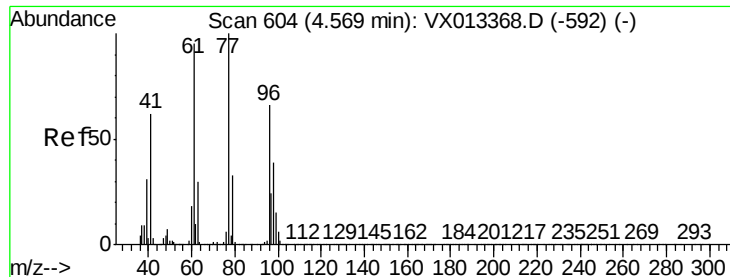
apatel
 12/11/2019 8:55:48 AM



#30
 2-Butanone
 Concen: 89.204 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.1	9.1
72	25.4	20.5	30.7





#31

2,2-Dichloropropane

Concen: 19.245 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 198766

Ion Ratio Lower Upper

77 100

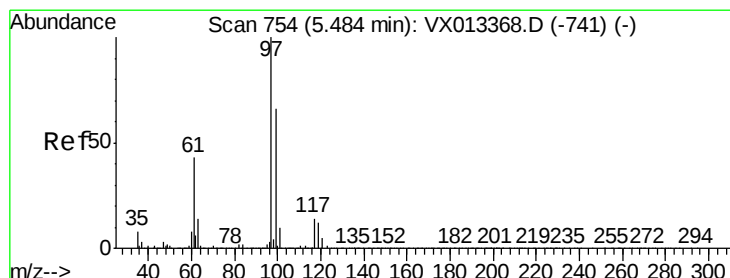
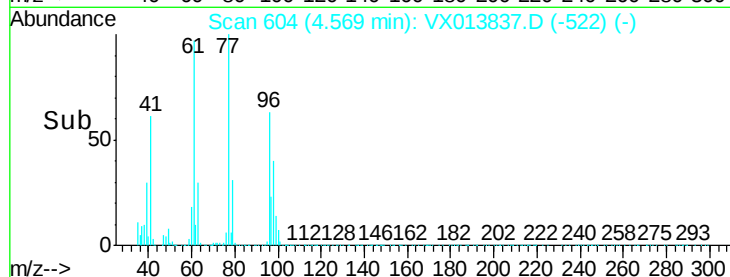
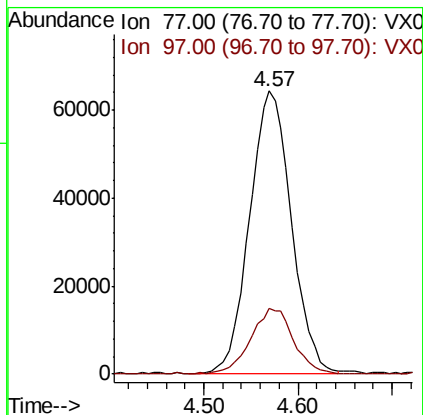
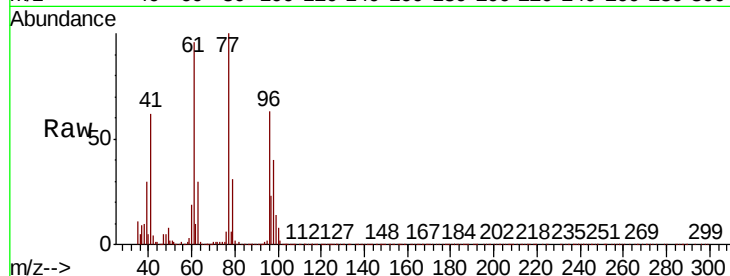
97 23.8 19.2 28.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.035 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

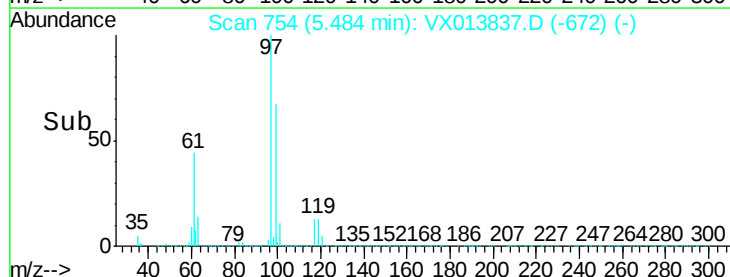
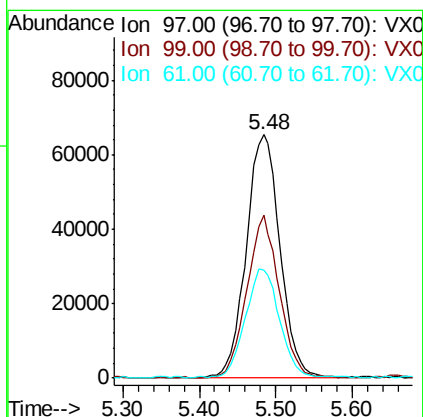
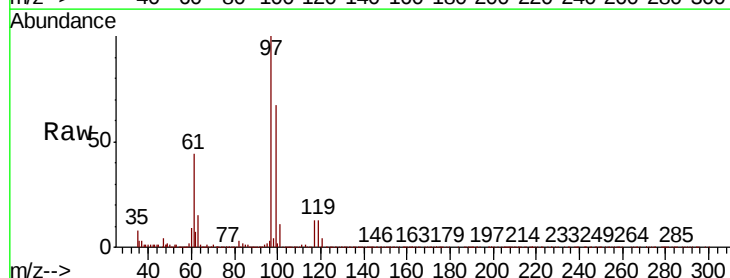
Tgt Ion: 97 Resp: 201776

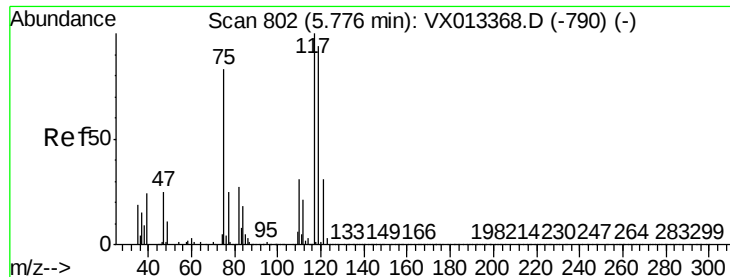
Ion Ratio Lower Upper

97 100

99 63.3 52.5 78.7

61 44.5 36.1 54.1





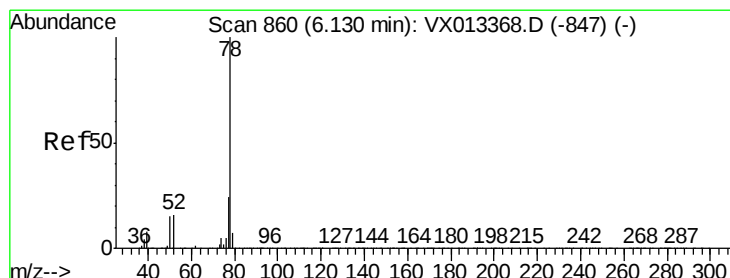
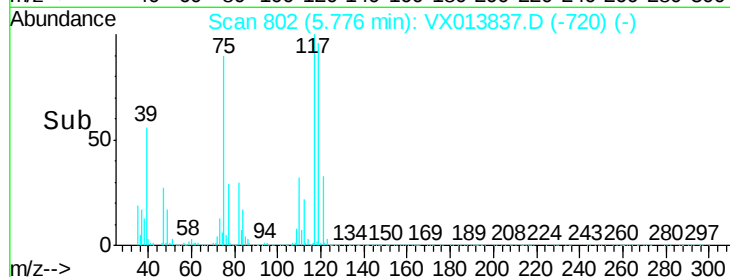
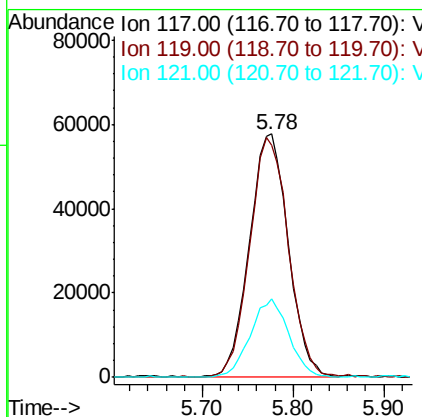
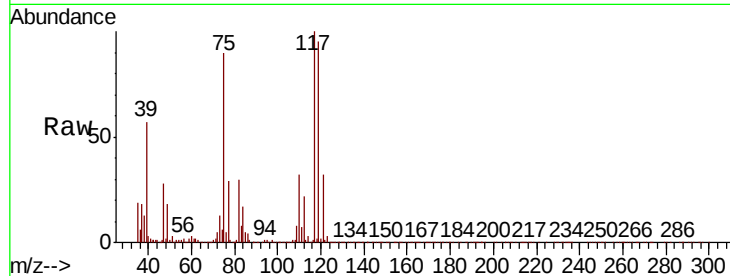
#33
Carbon Tetrachloride
Concen: 18.505 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.0	112.6
121	32.4	24.9	37.3

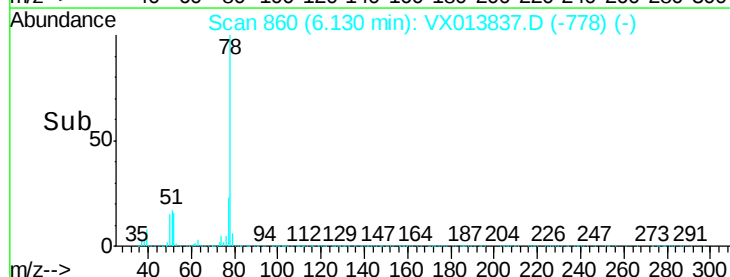
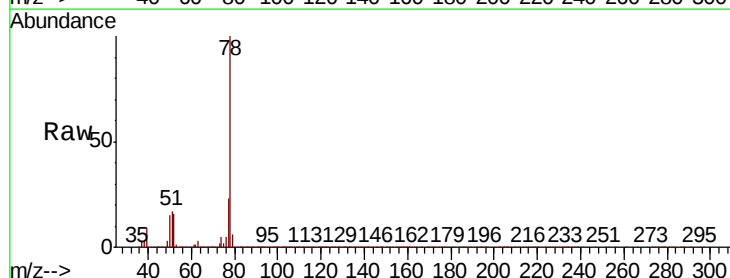
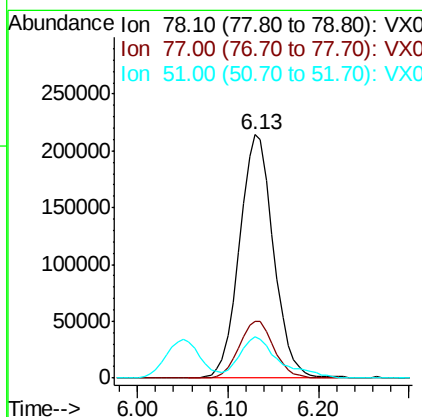
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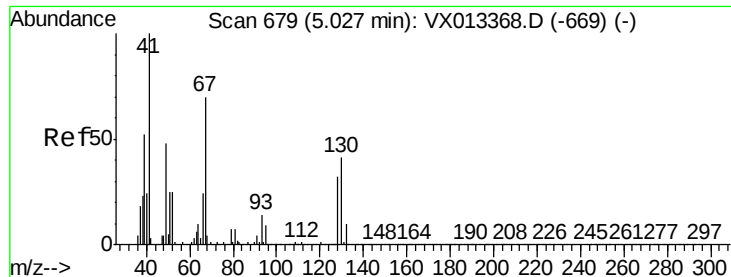
apatel
12/11/2019 8:55:48 AM



#34
Benzene
Concen: 19.238 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9
51	16.6	12.2	18.4





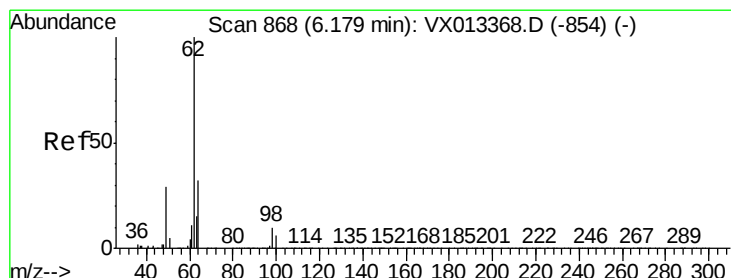
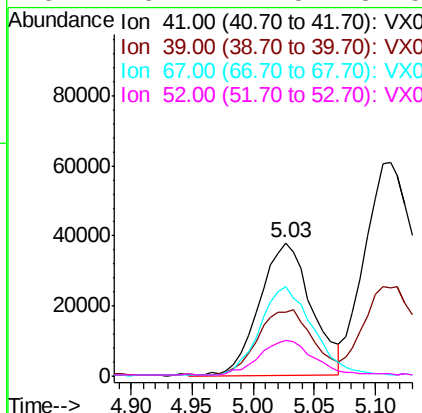
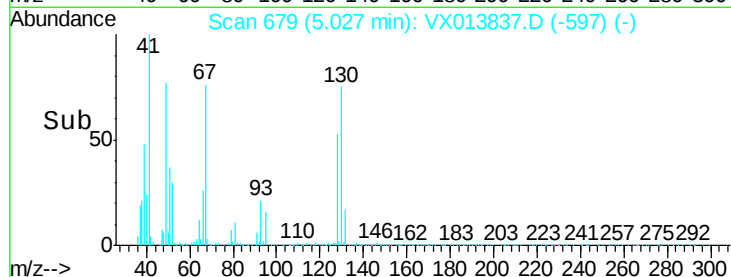
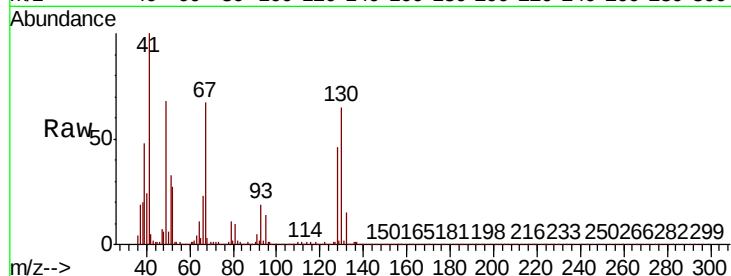
#35
Methacrylonitrile
Concen: 17.908 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	46.6	25.9	77.8	
67	66.1	35.1	105.5	
52	25.7	12.5	37.5	

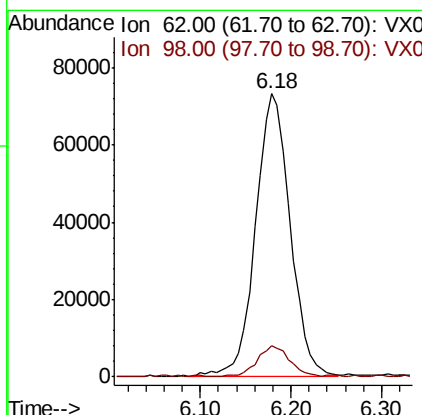
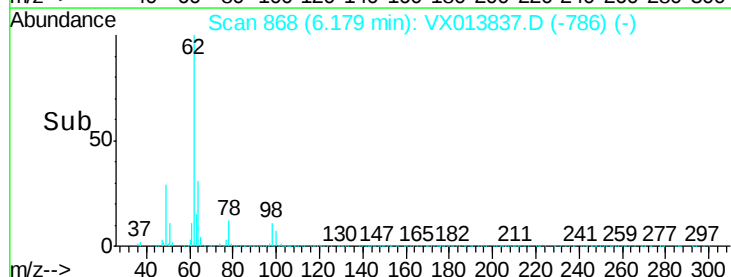
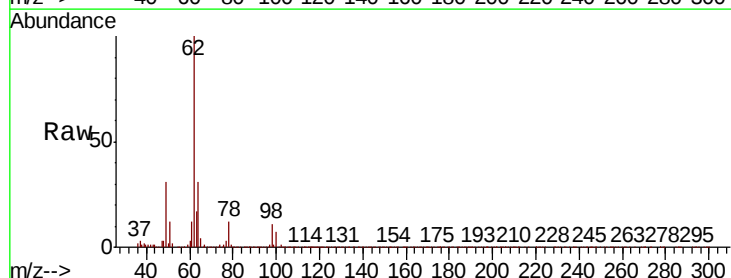
Manual Integrations
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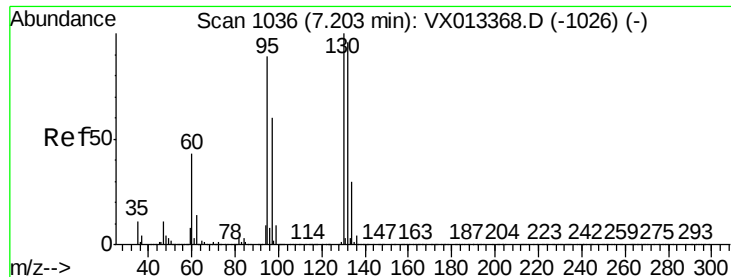
apatel
12/11/2019 8:55:48 AM



#36
1,2-Dichloroethane
Concen: 18.915 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	8.2	12.2	





#37

Trichloroethene

Concen: 19.261 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 149263

Ion Ratio Lower Upper

130 100

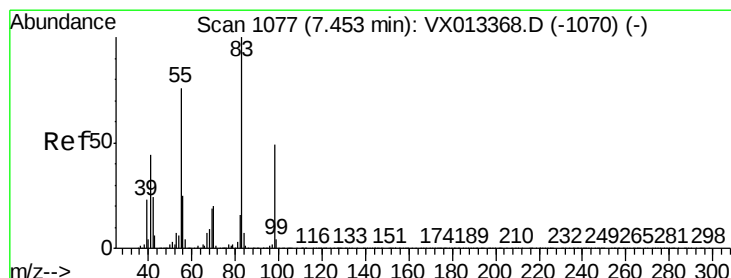
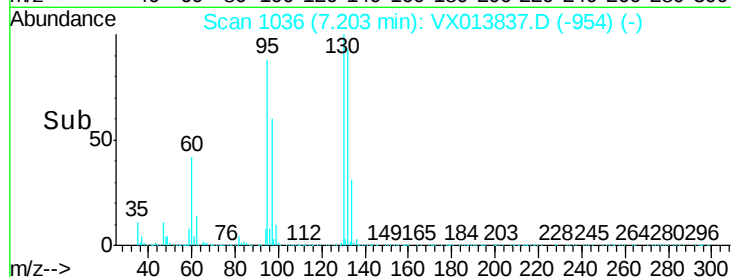
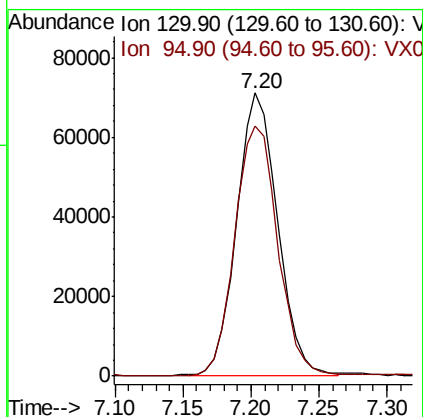
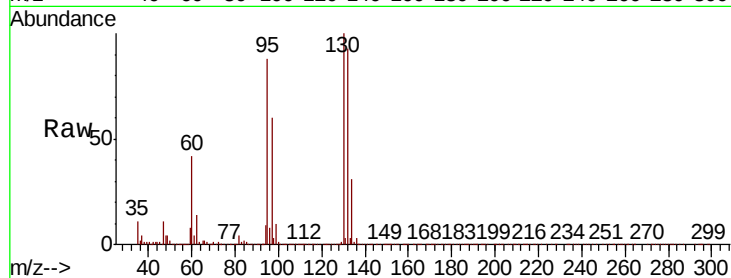
95 88.3 71.3 106.9

Manual Integrations

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#38

Methylcyclohexane

Concen: 19.482 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

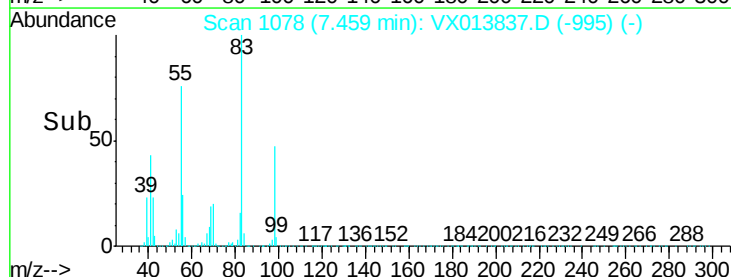
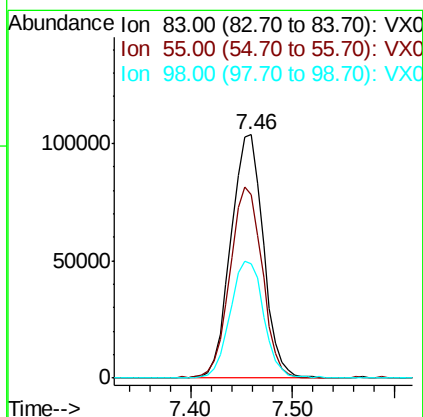
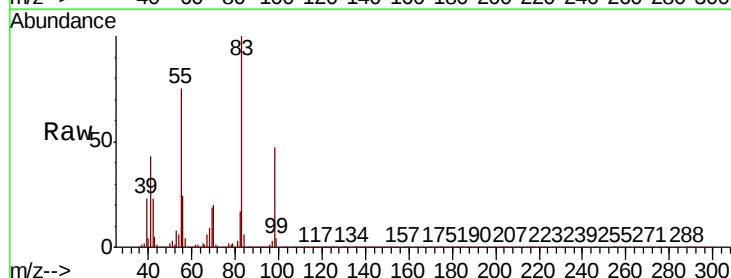
Tgt Ion: 83 Resp: 227815

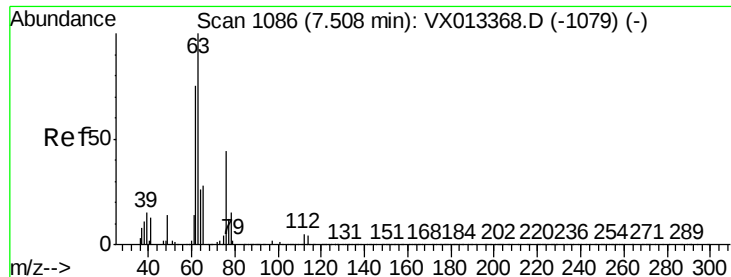
Ion Ratio Lower Upper

83 100

55 77.4 37.9 113.7

98 49.4 25.1 75.3





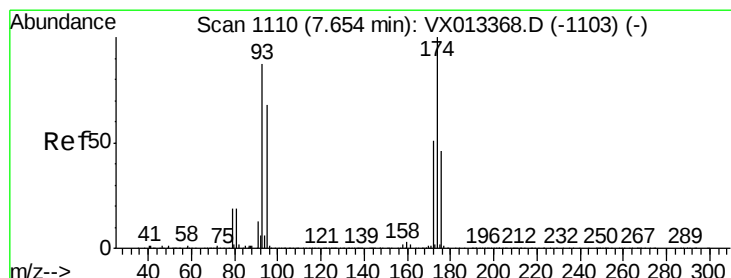
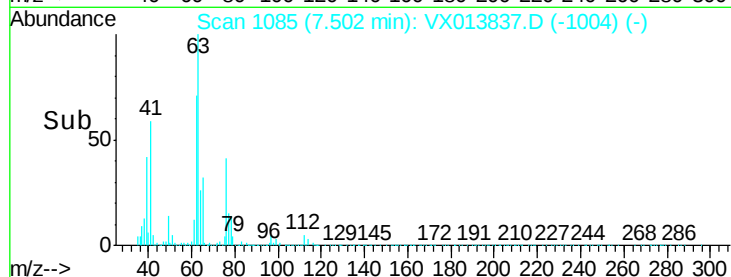
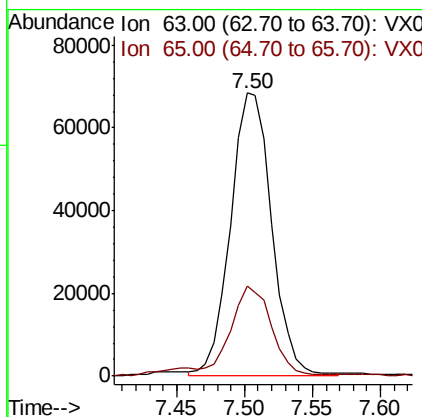
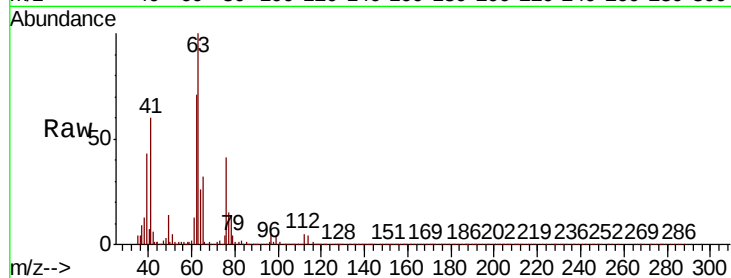
#39
 1,2-Dichloropropane
 Concen: 19.120 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.8	35.8

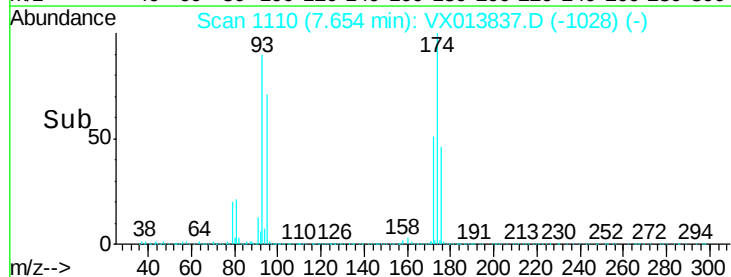
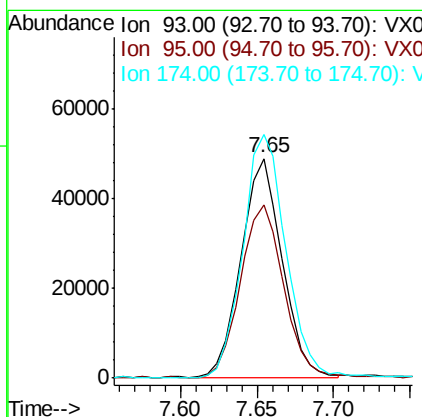
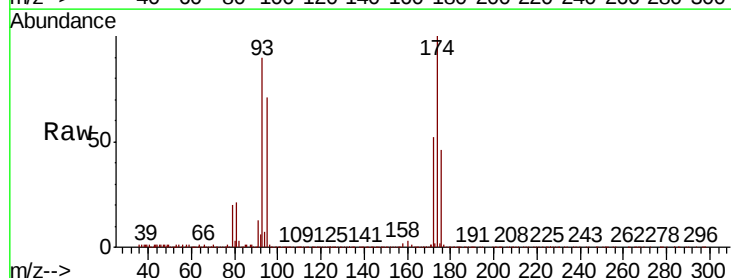
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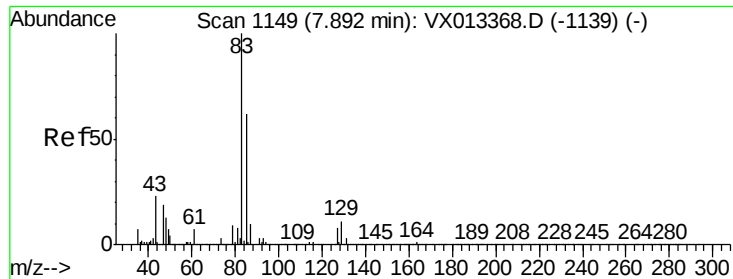
apatel
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#40
 Dibromomethane
 Concen: 18.380 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	0.0	160.8
174	115.5	0.0	228.8





#41

Bromodichloromethane

Concen: 18.459 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

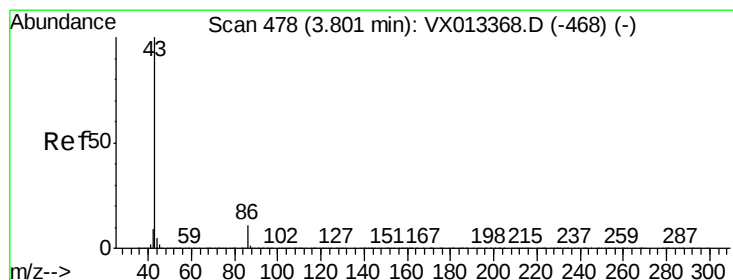
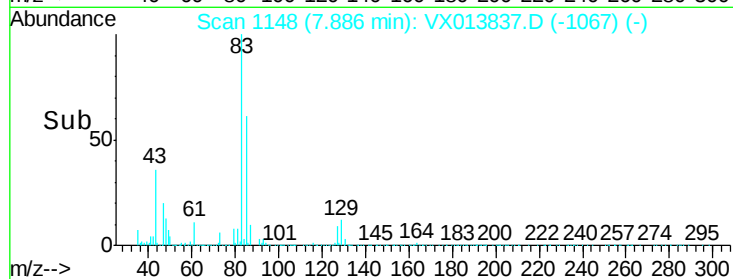
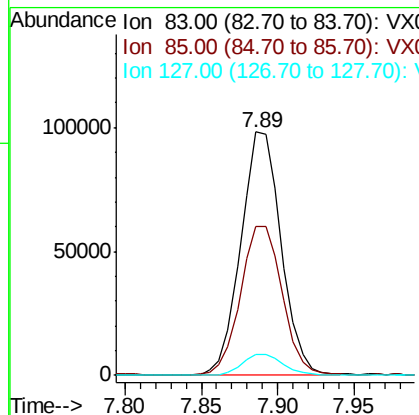
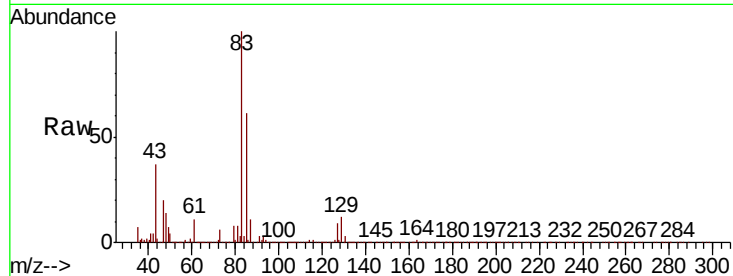
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	179363
Ion Ratio	Lower	Upper	
83	100		
85	60.9	49.3	73.9
127	8.4	6.6	10.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 91.252 ug/l

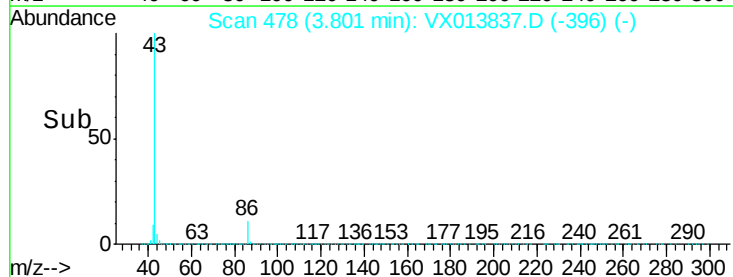
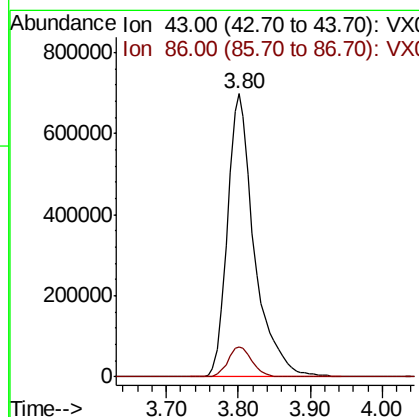
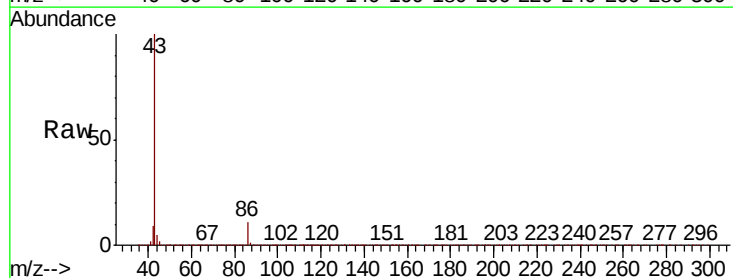
RT: 3.80 min Scan# 478

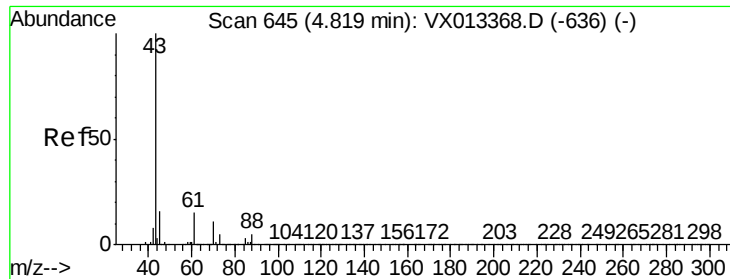
Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Tgt Ion:	43	Resp:	1808442
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.6	11.4





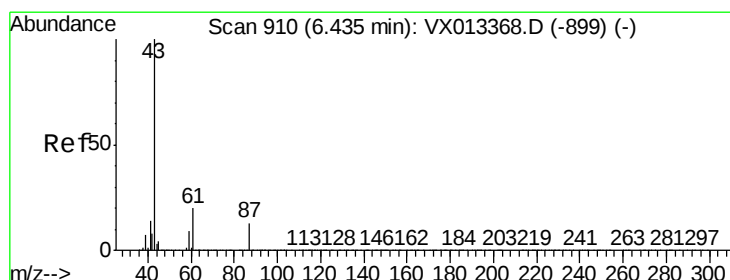
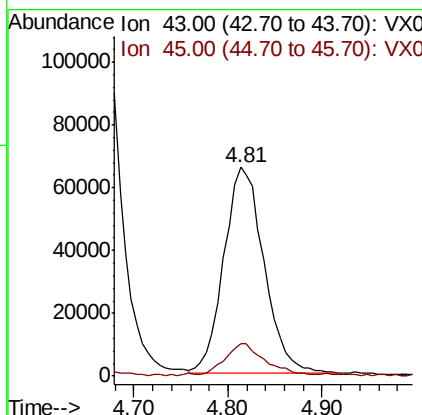
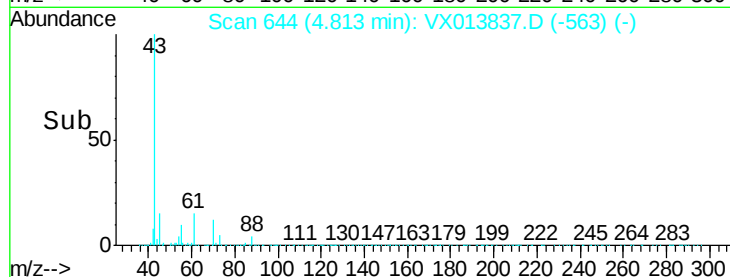
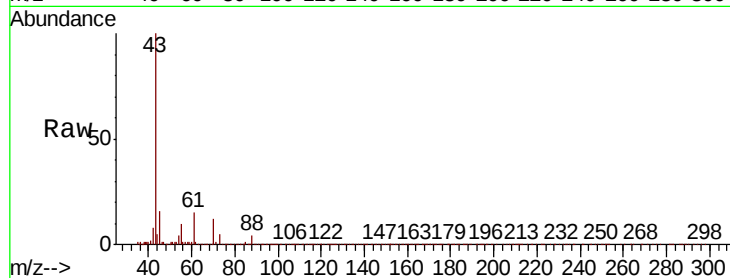
#43
Ethyl Acetate
Concen: 16.956 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	15.2	10.9	16.3

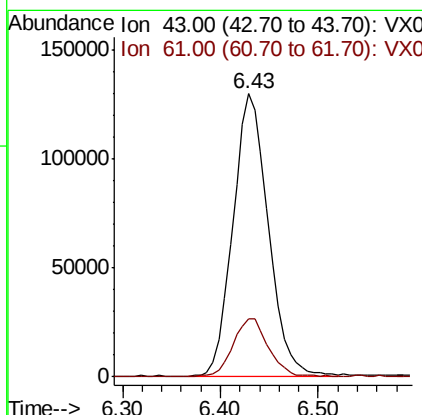
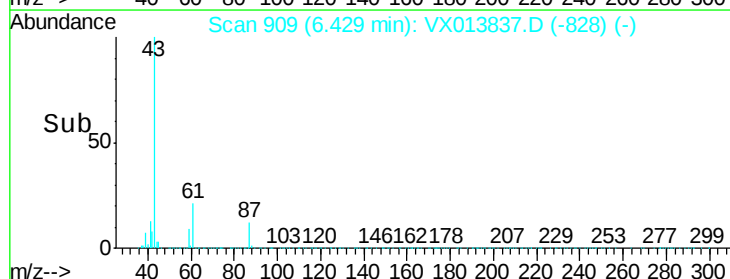
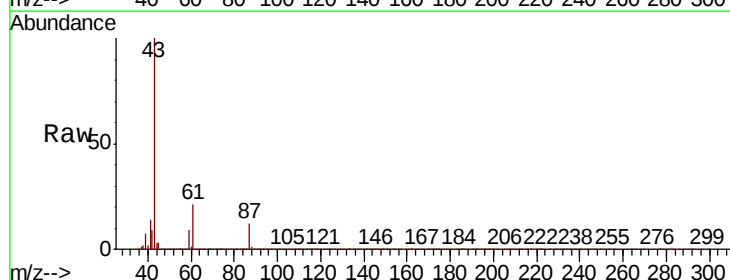
Manual Integrations
APPROVED

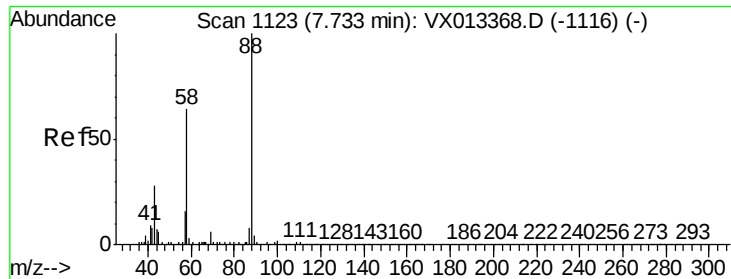
apatel
12/11/2019 8:55:48 AM



#44
Isopropyl Acetate
Concen: 17.595 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.8	23.8





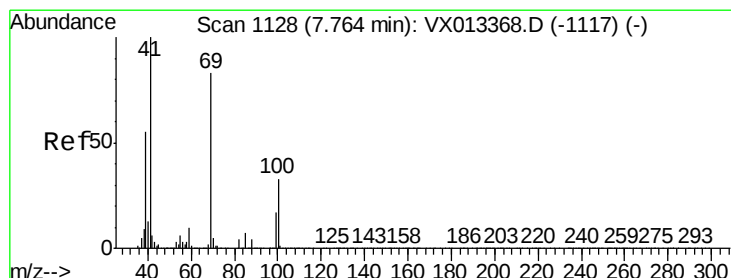
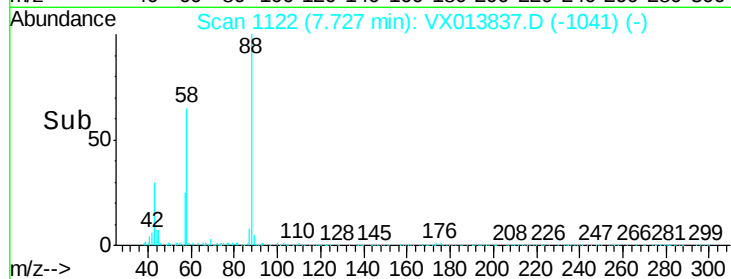
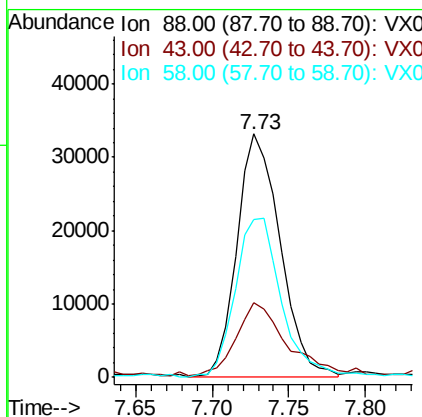
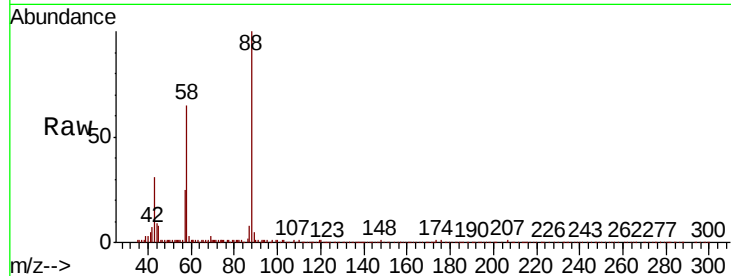
#45
1,4-Dioxane
Concen: 317.686 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.1	39.1
58	70.3	55.8	83.8

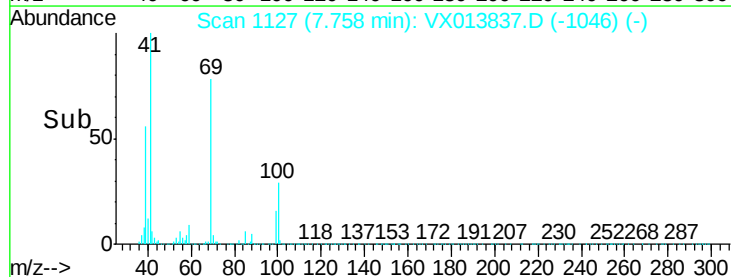
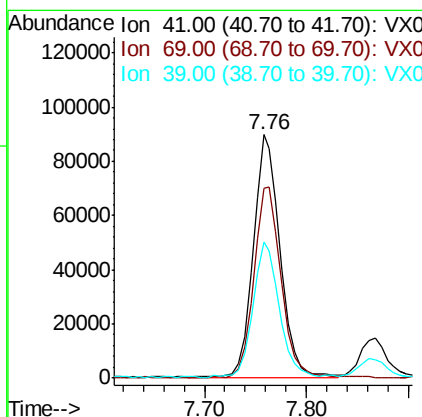
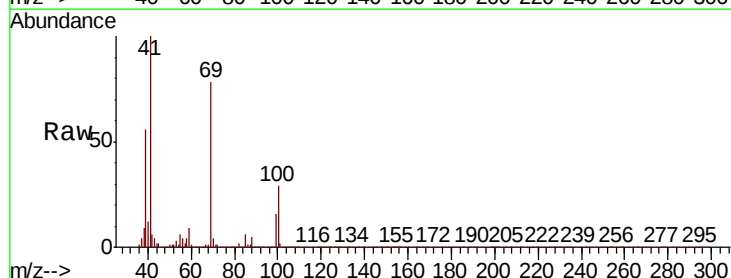
Manual Integrations
APPROVED

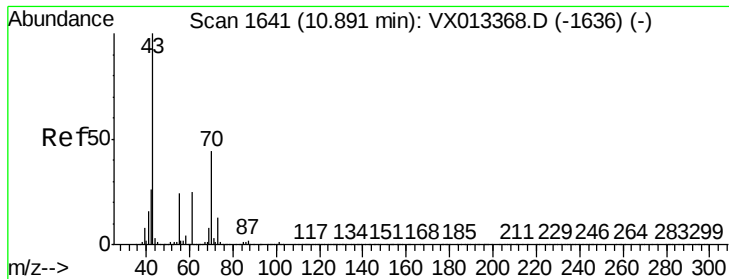
apatel
12/11/2019 8:55:48 AM



#46
Methyl methacrylate
Concen: 17.874 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.2	41.4	124.4
39	55.4	27.9	83.6





#47

n-amvl Acetate

Concen: 17.253 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 279280

Ion Ratio Lower Upper

43 100

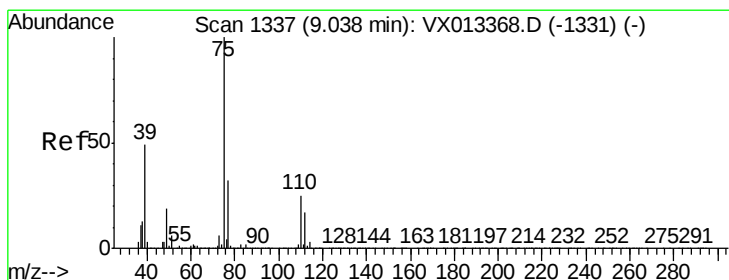
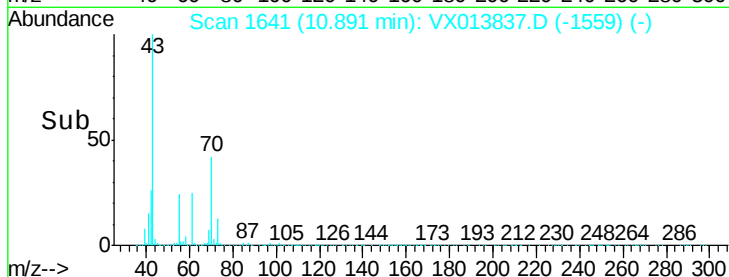
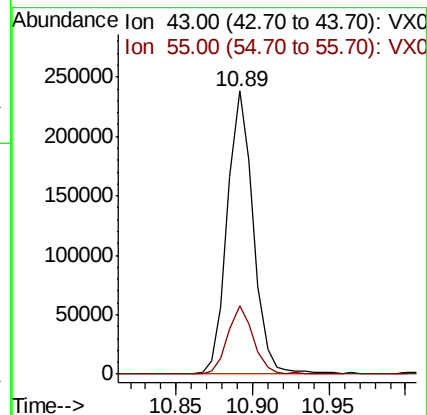
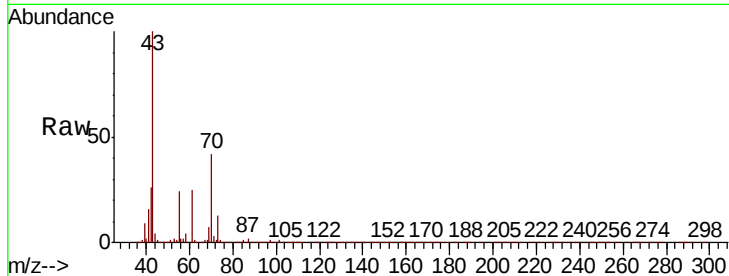
55 23.9 19.0 28.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.053 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013837.D

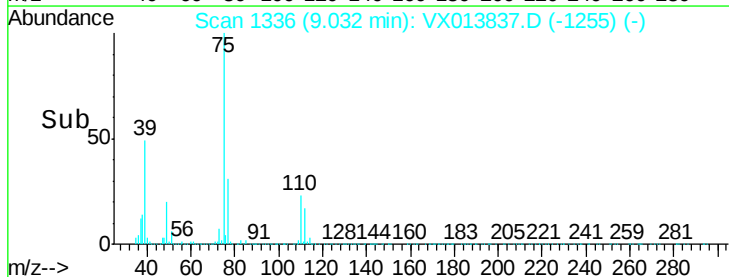
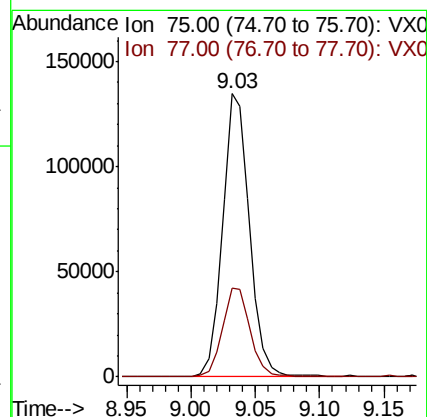
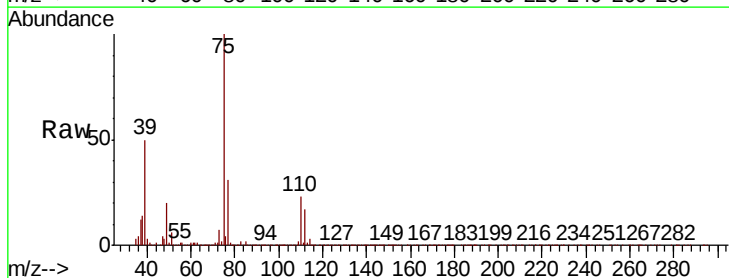
Acq: 07 Dec 2019 13:13

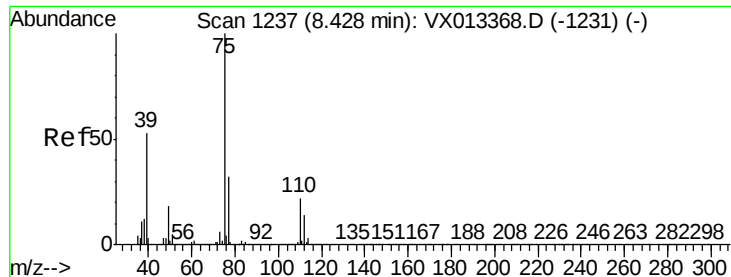
Tgt Ion: 75 Resp: 196700

Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9





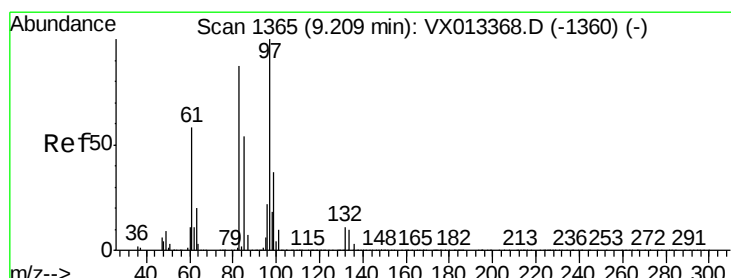
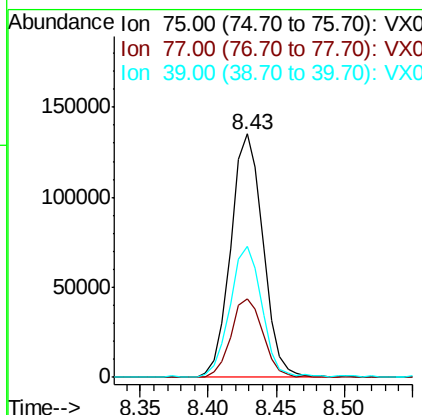
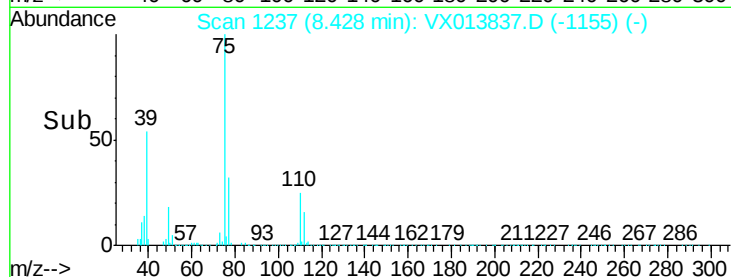
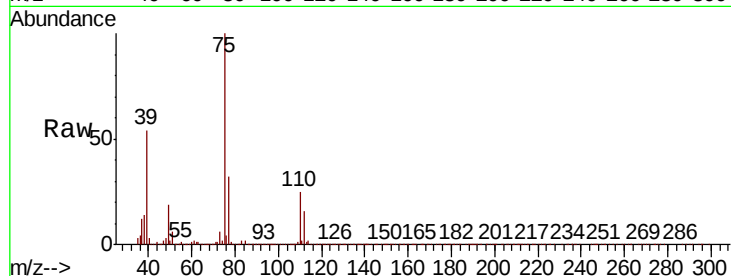
#49
 cis-1,3-Dichloropropene
 Concen: 18.634 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	53.8	42.2	63.4

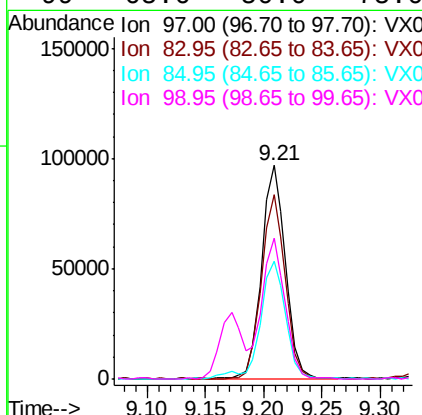
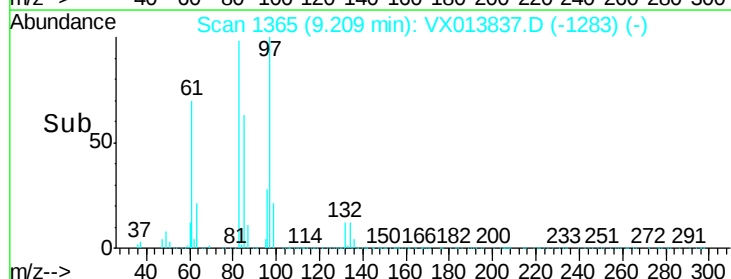
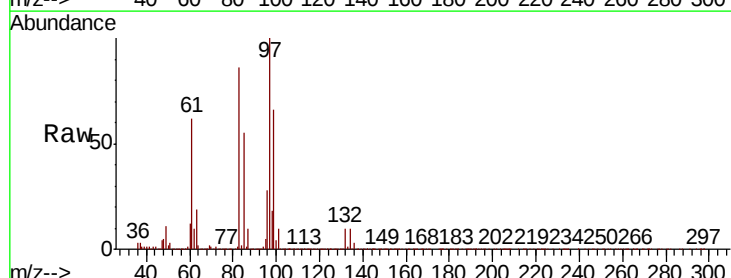
Manual Integrations
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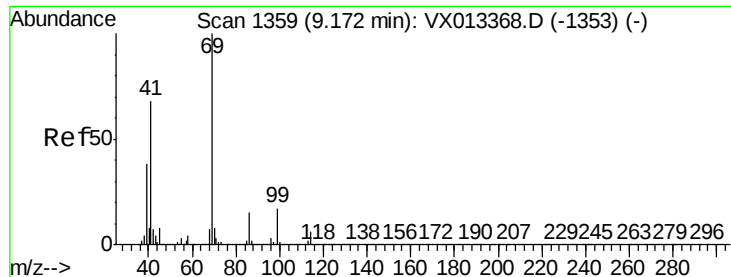
apatel
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#50
 1,1,2-Trichloroethane
 Concen: 18.846 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.6	104.4
85	55.1	45.5	68.3
99	65.6	50.0	75.0





#51

Ethyl methacrylate

Concen: 18.089 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

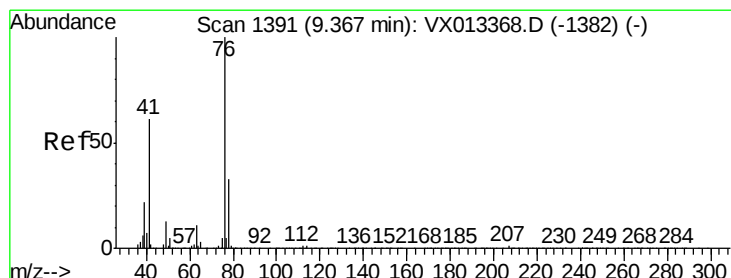
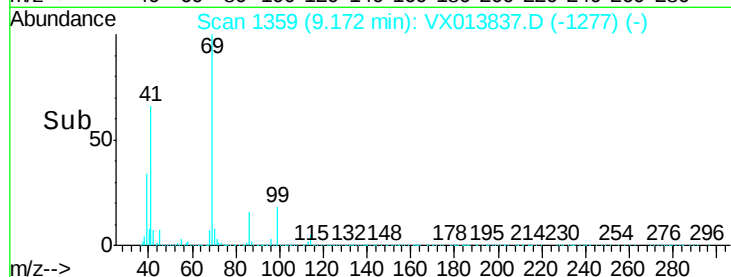
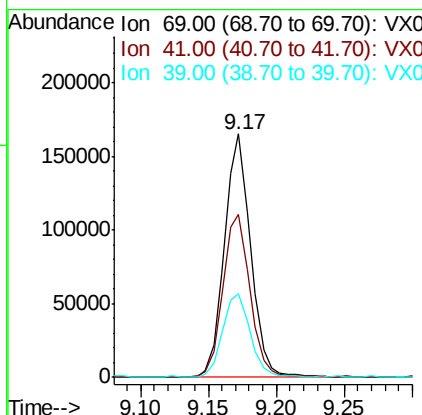
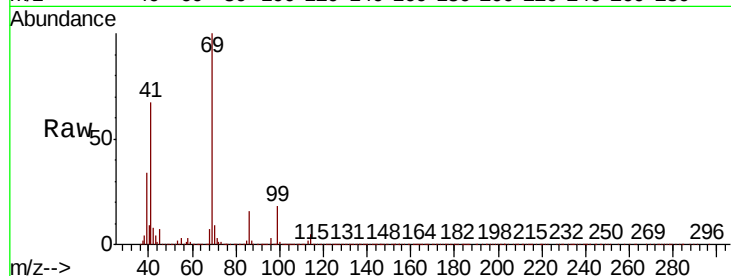
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	219377
Ion Ratio	Lower	Upper	
69	100		
41	67.0	33.9	101.6
39	34.2	18.8	56.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.985 ug/l

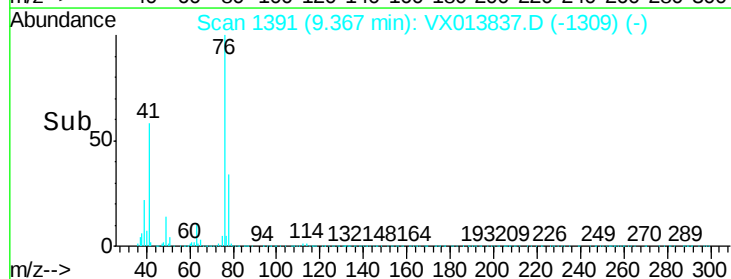
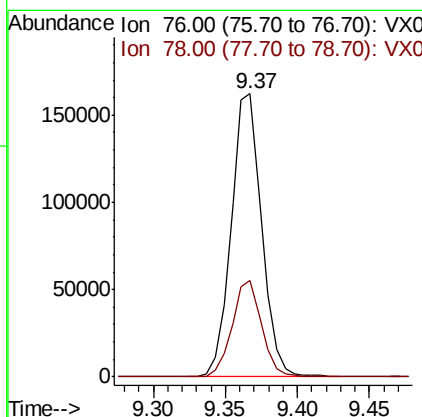
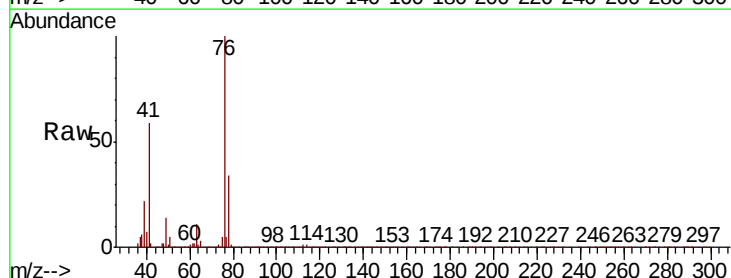
RT: 9.37 min Scan# 1391

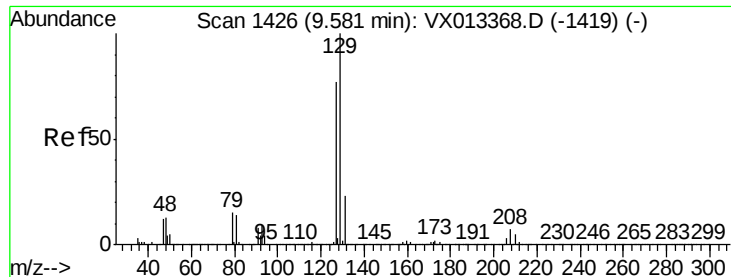
Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Tgt Ion:	76	Resp:	239056
Ion Ratio	Lower	Upper	
76	100		
78	32.8	0.0	63.6





#53

Dibromochloromethane

Concen: 18.547 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 144789

Ion Ratio Lower Upper

129 100

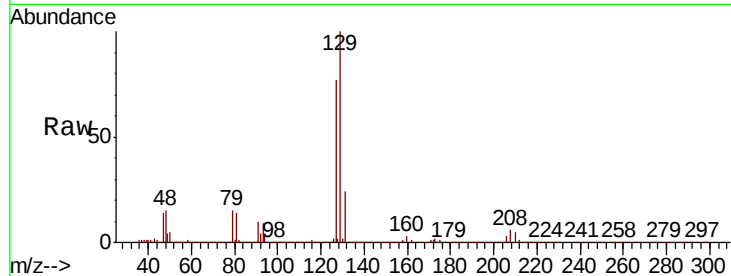
127 77.8 39.6 119.0

Manual Integrations

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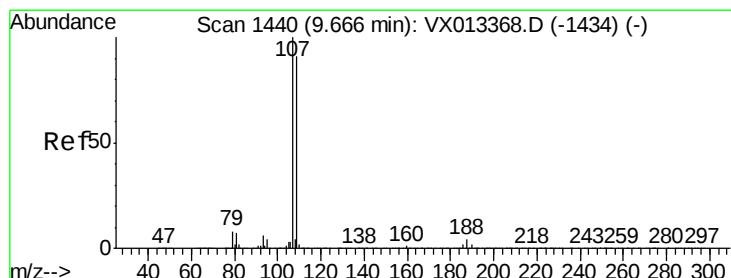
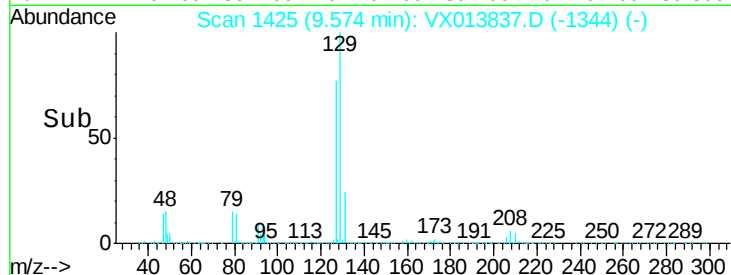
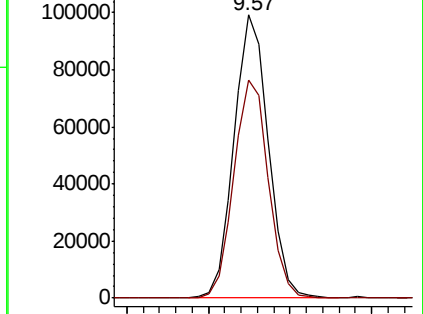
apatel

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.547 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013837.D

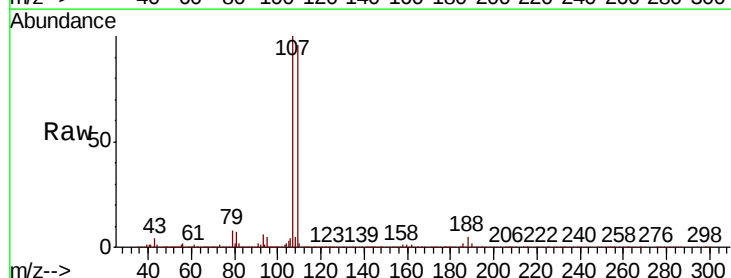
Acq: 07 Dec 2019 13:13

Tgt Ion:107 Resp: 146080

Ion Ratio Lower Upper

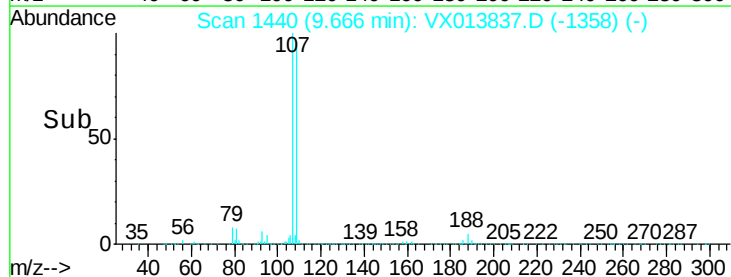
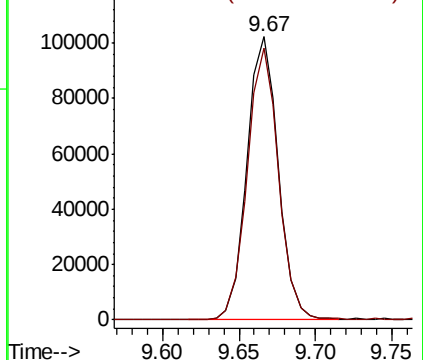
107 100

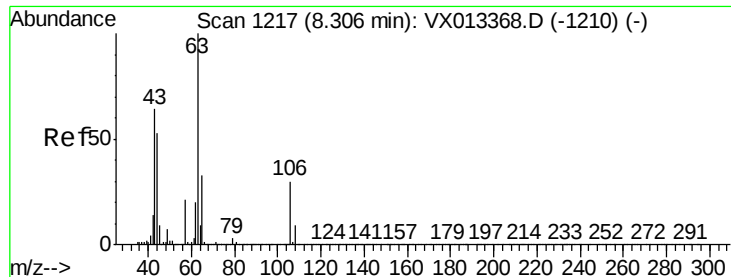
109 95.2 73.9 110.9



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: 68.937 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

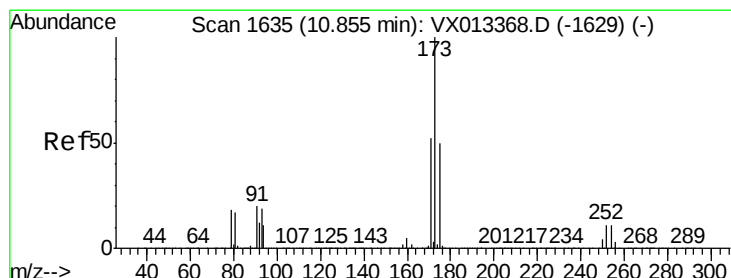
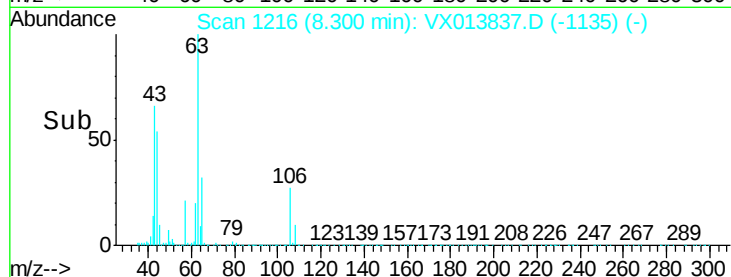
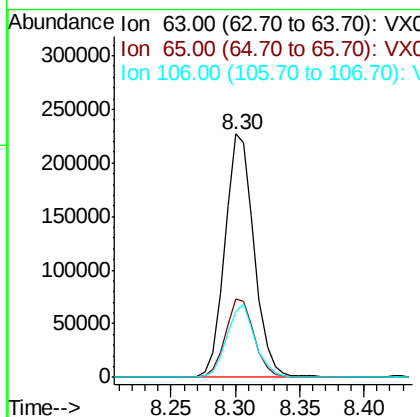
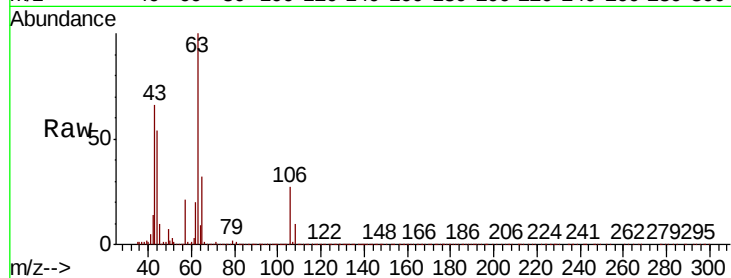
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	357219
Ion Ratio	Lower	Upper	
63	100		
65	31.7	26.0	39.0
106	29.0	23.5	35.3

Manual Integrations
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#56

Bromoform

Concen: 16.986 ug/l

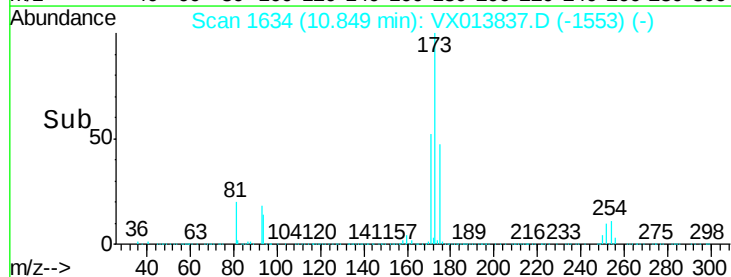
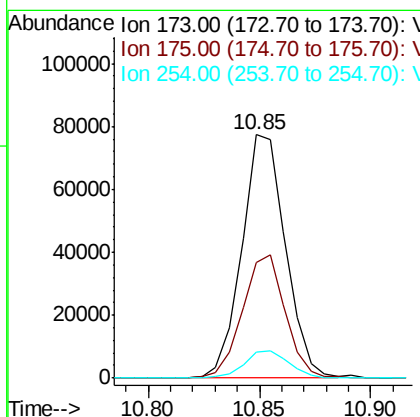
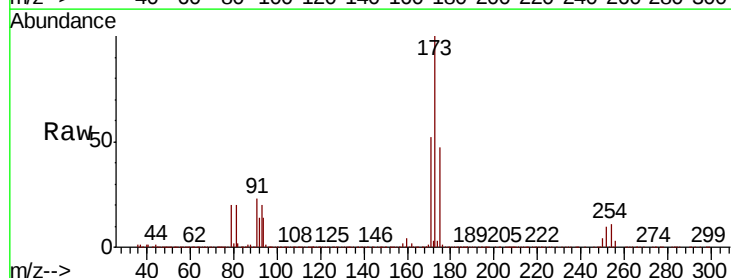
RT: 10.85 min Scan# 1634

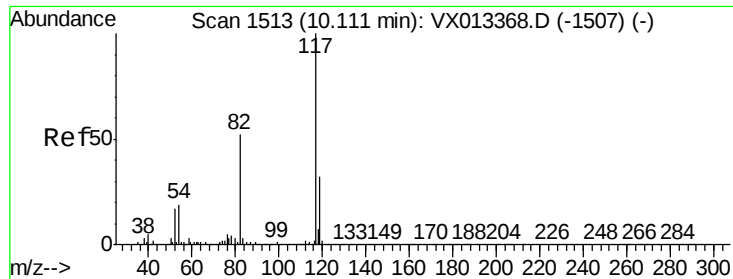
Delta R.T. -0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Tgt Ion:	173	Resp:	105527
Ion Ratio	Lower	Upper	
173	100		
175	50.2	39.4	59.0
254	11.6	8.6	12.8





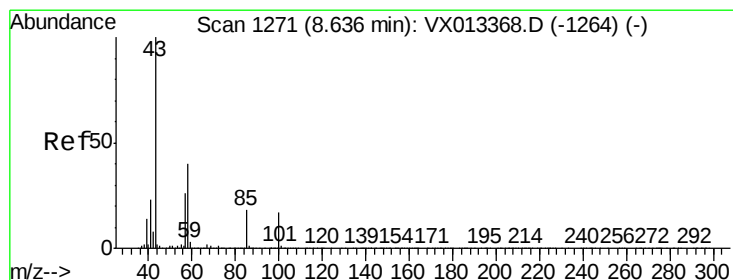
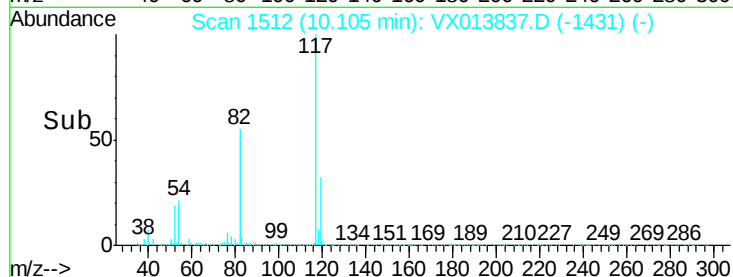
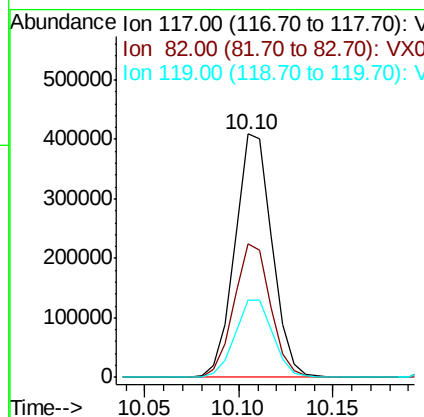
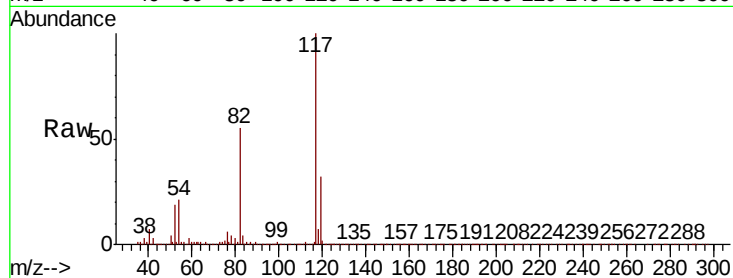
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.7	65.5
119	32.4	25.5	38.3

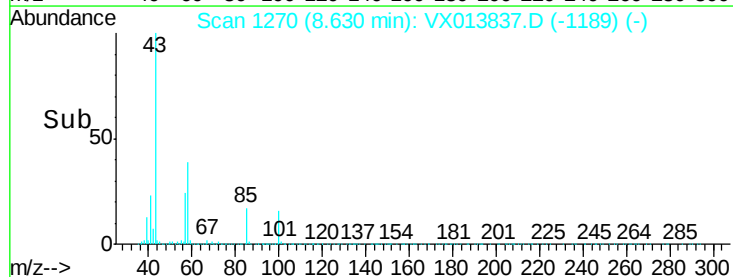
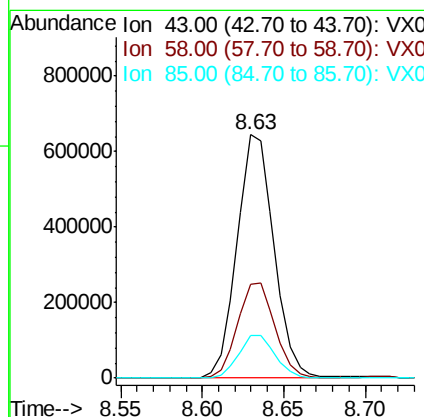
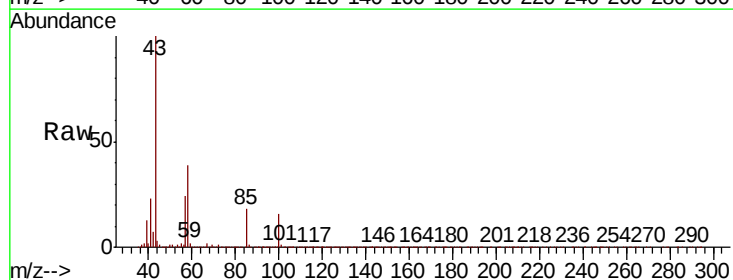
Manual Integrations
APPROVED

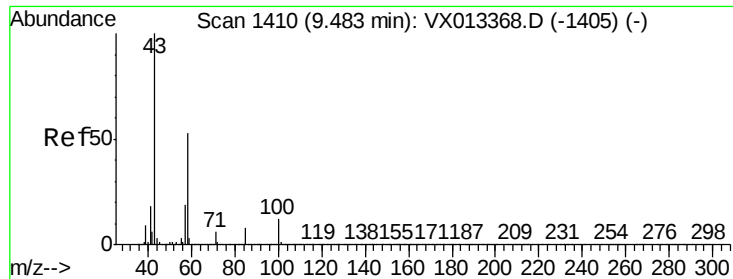
apatel
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#58
4-Methyl-2-Pentanone
Concen: 87.433 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4
85	17.6	14.2	21.2





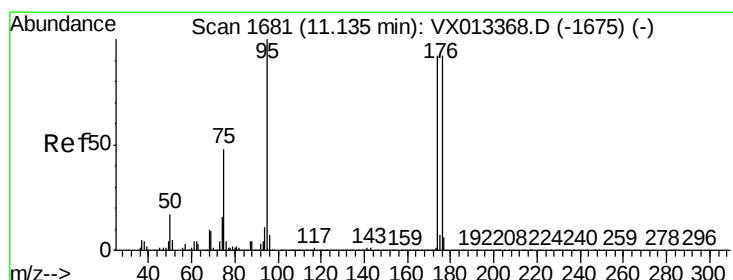
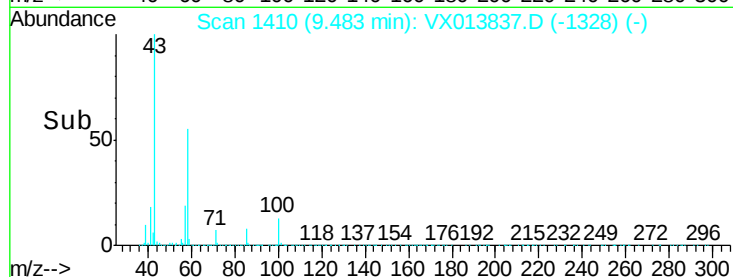
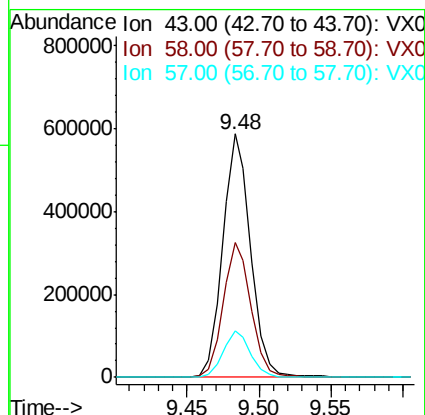
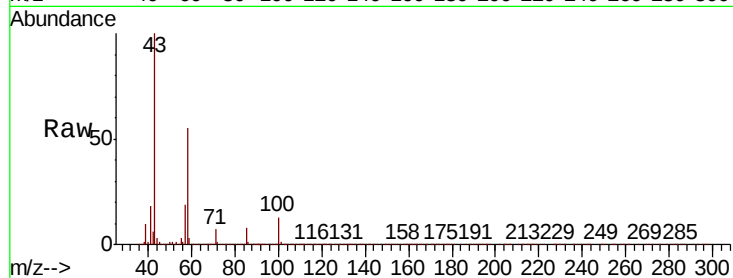
#59
2-Hexanone
Concen: 86.055 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	43.8	65.6
57	18.7	15.1	22.7

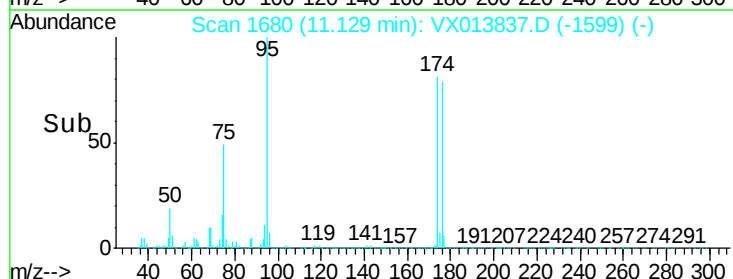
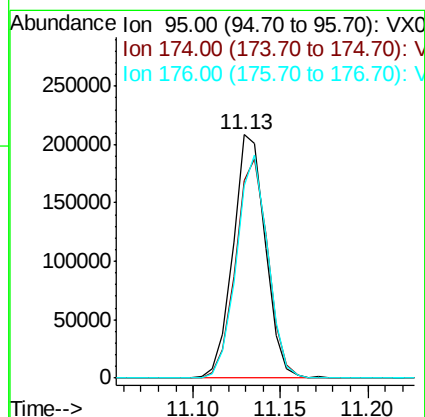
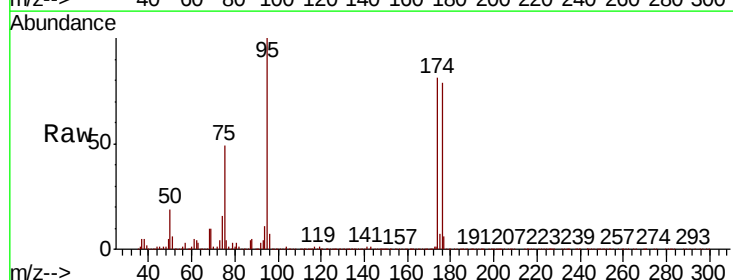
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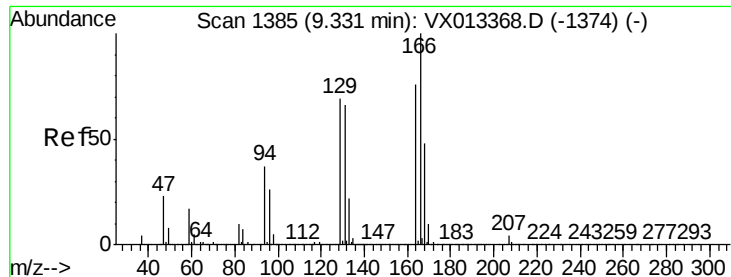
apatel
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#60
4-Bromofluorobenzene
Concen: 29.893 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	70.2	105.2
176	88.6	68.3	102.5





#61

Tetrachloroethene

Concen: 20.402 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

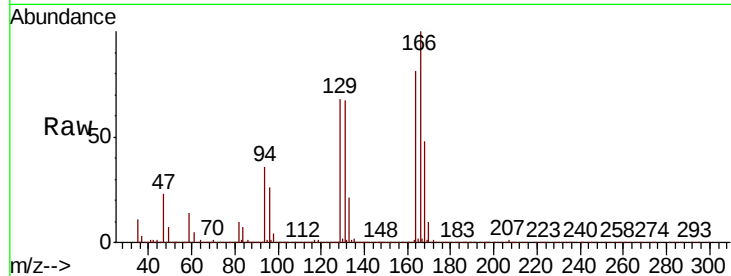
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	140377
Ion Ratio	Lower	Upper	
164	100		
166	122.7	104.9	157.3
129	83.6	72.3	108.5
131	81.7	69.0	103.6

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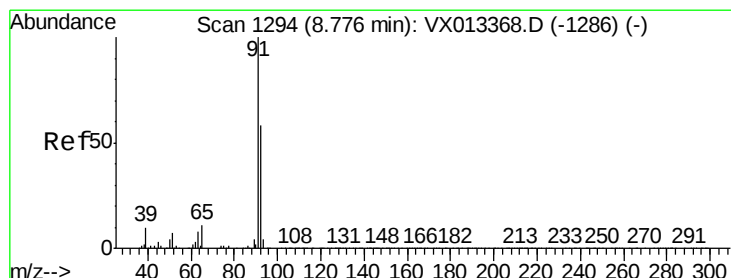
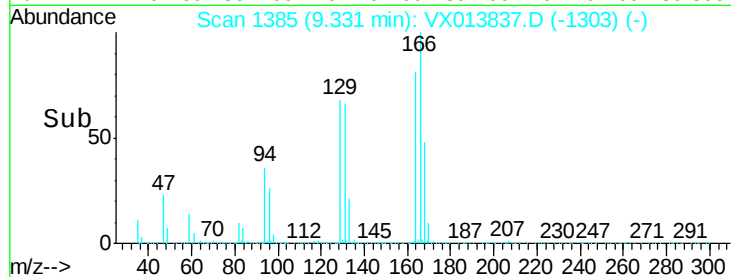
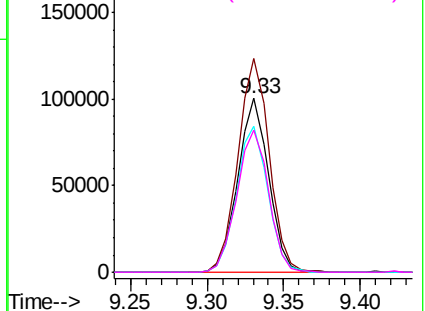


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.054 ug/l

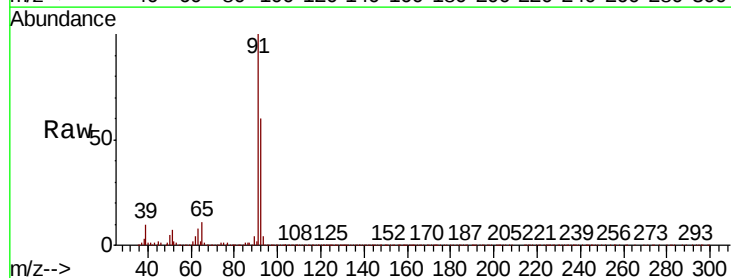
RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX013837.D

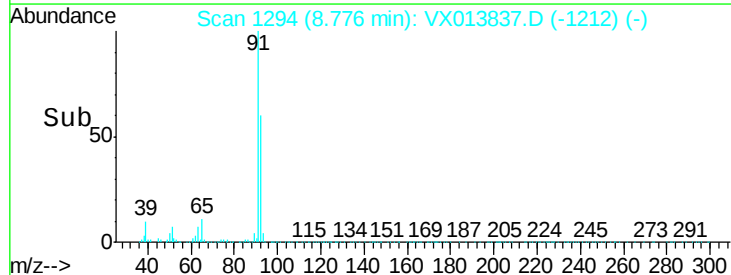
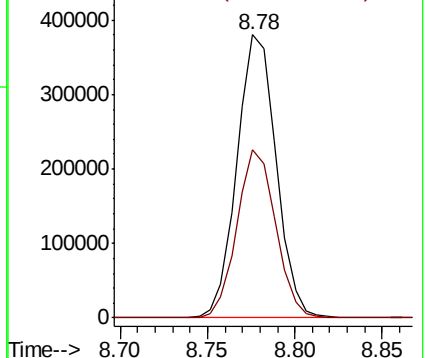
Acq: 07 Dec 2019 13:13

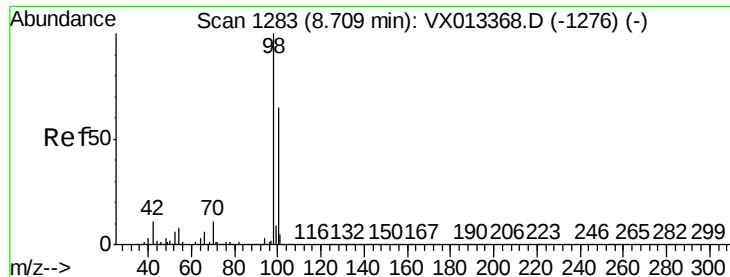
Tgt Ion:	91	Resp:	592210
Ion Ratio	Lower	Upper	
91	100		
92	58.9	46.6	69.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





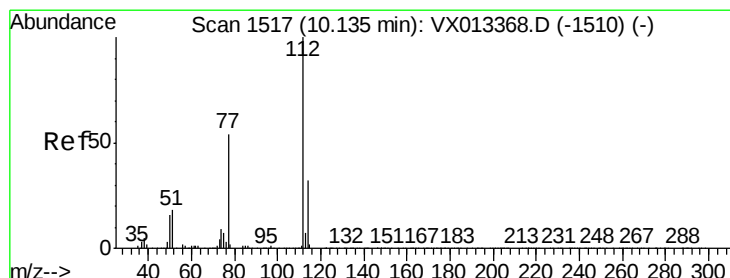
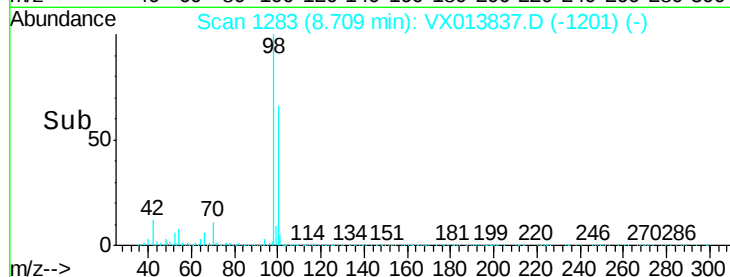
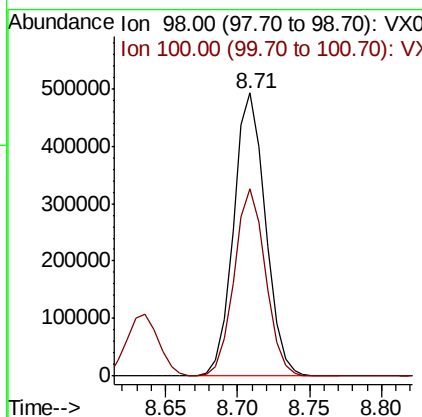
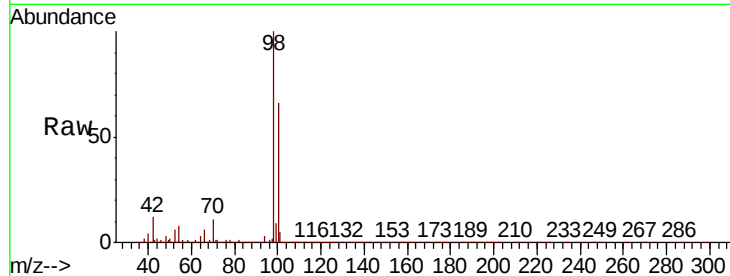
#63
Toluene-d8
Concen: 30.010 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 757214
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

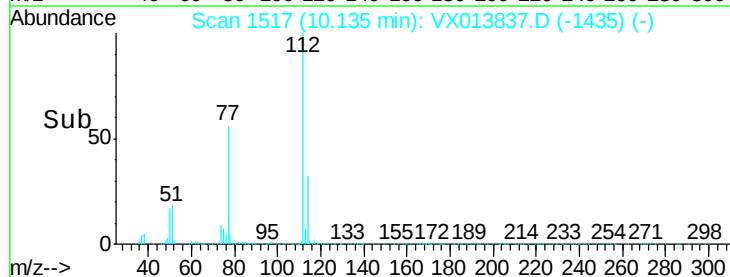
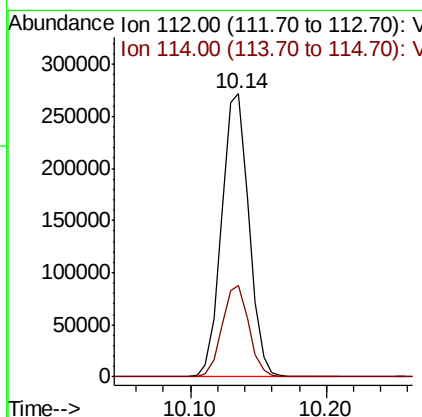
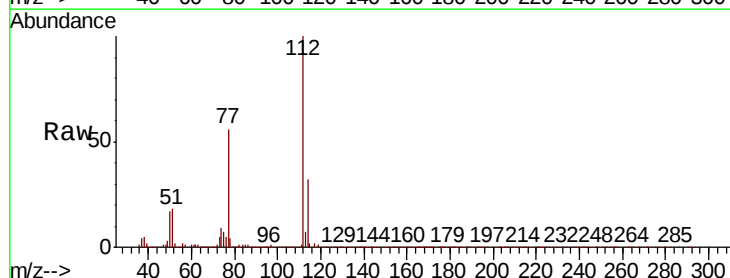
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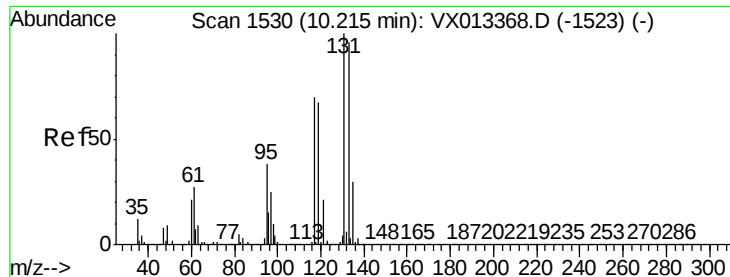
apatel
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#64
Chlorobenzene
Concen: 19.403 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion: 112 Resp: 377060
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 18.749 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

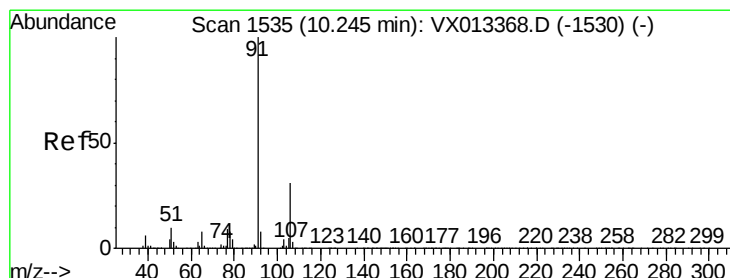
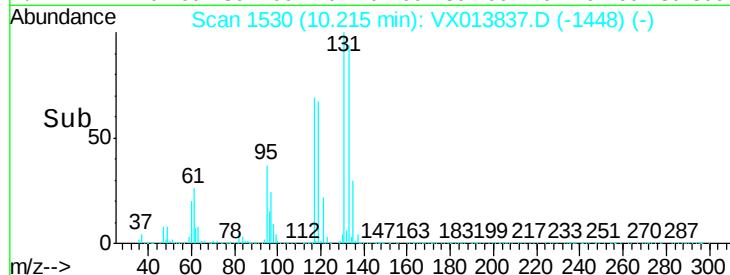
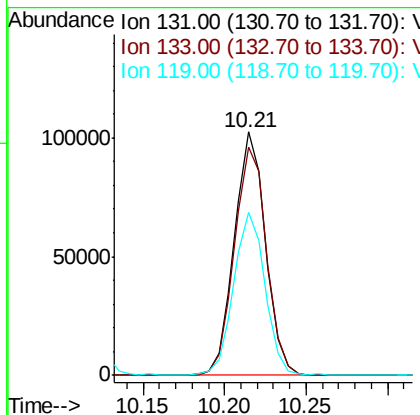
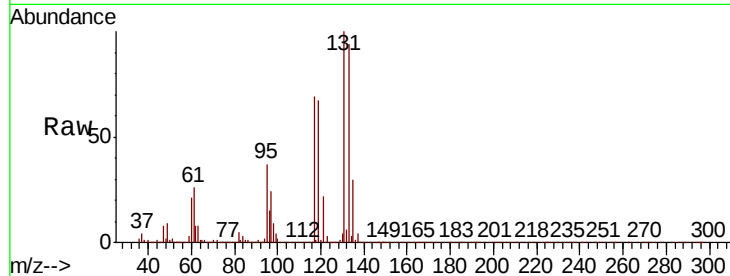
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	136386
Ion Ratio	Lower	Upper	
131	100		
133	96.1	0.0	192.2
119	67.1	0.0	134.4

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#66

Ethyl Benzene

Concen: 19.489 ug/l

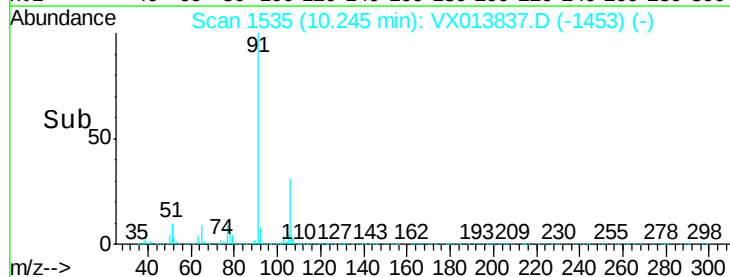
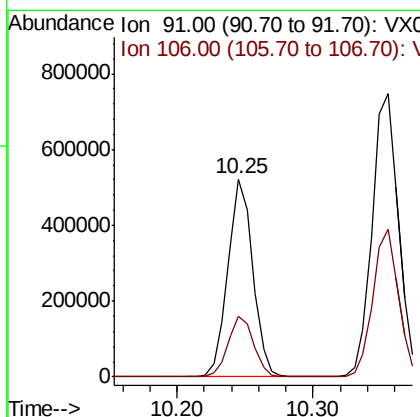
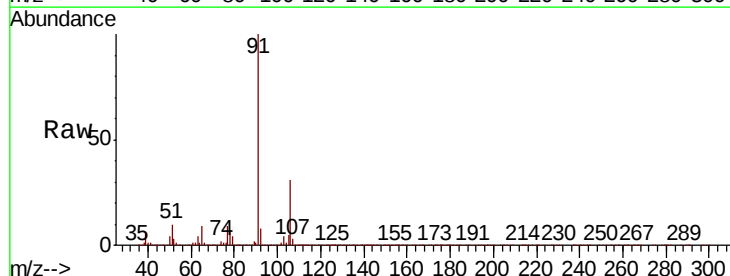
RT: 10.25 min Scan# 1535

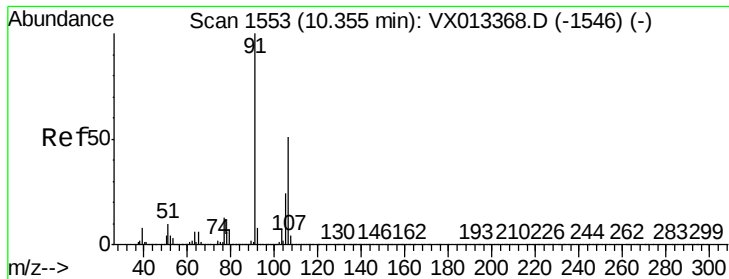
Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Tgt Ion:	91	Resp:	665466
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.0	37.4





#67

m/p-Xylenes

Concen: 38.687 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 509556

Ion Ratio Lower Upper

106 100

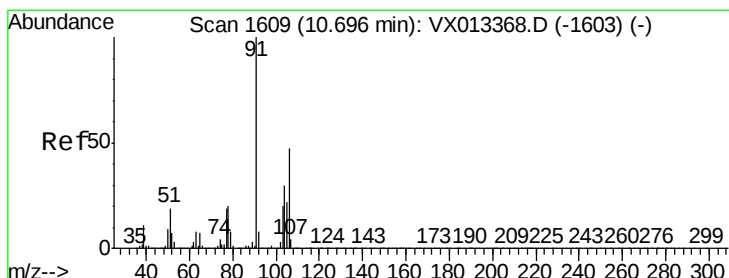
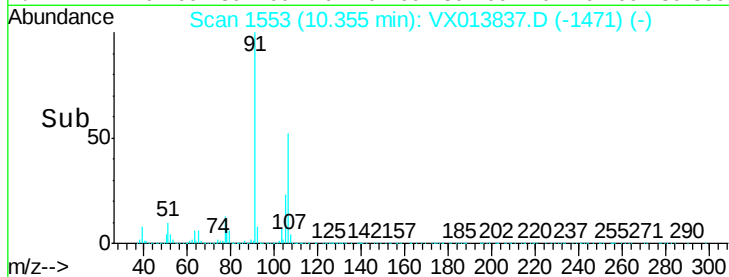
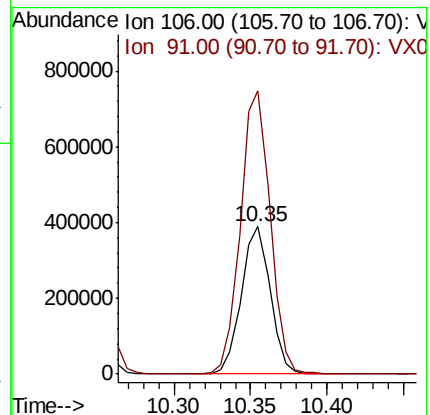
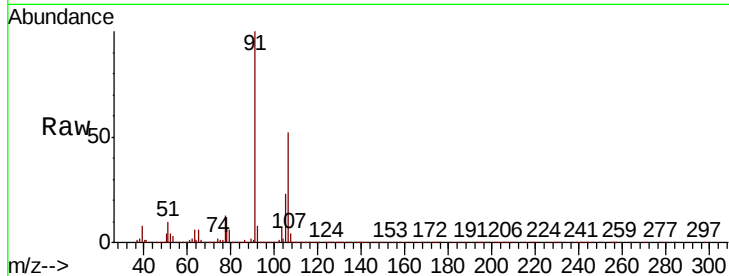
91 196.5 158.4 237.6

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#68

o-Xylene

Concen: 19.321 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013837.D

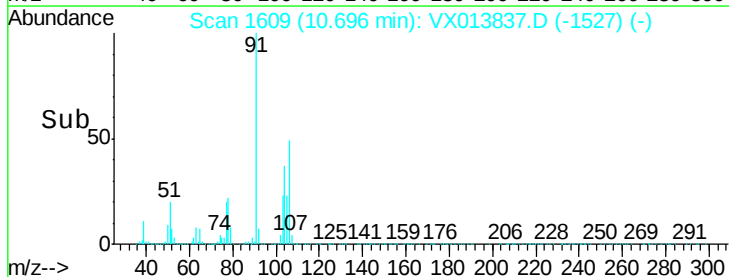
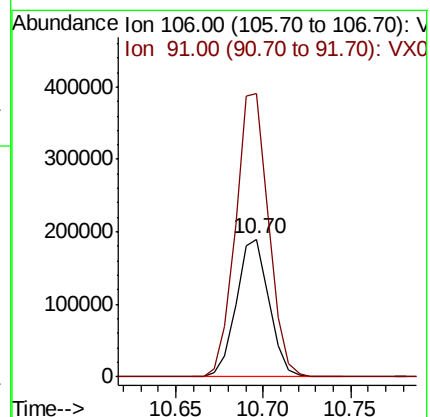
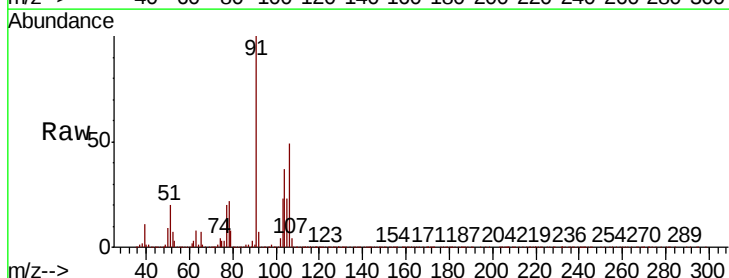
Acq: 07 Dec 2019 13:13

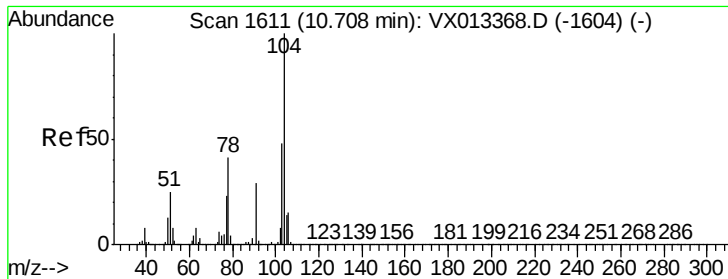
Tgt Ion:106 Resp: 245593

Ion Ratio Lower Upper

106 100

91 208.4 106.4 319.2





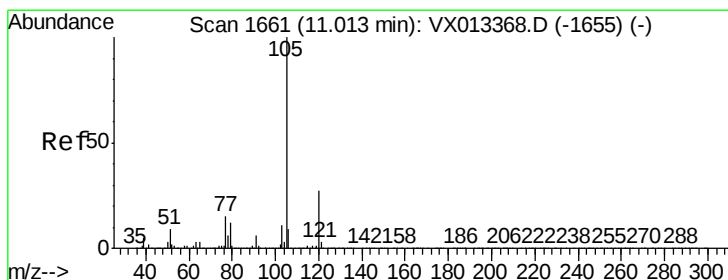
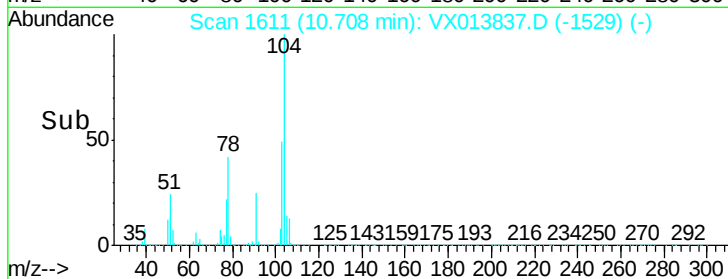
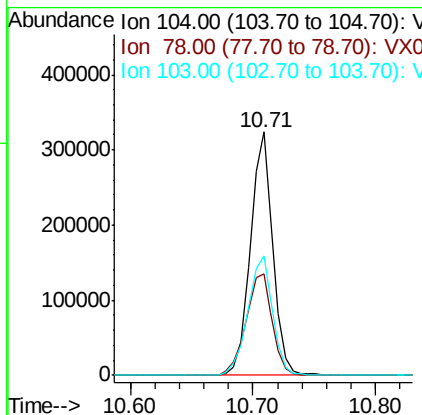
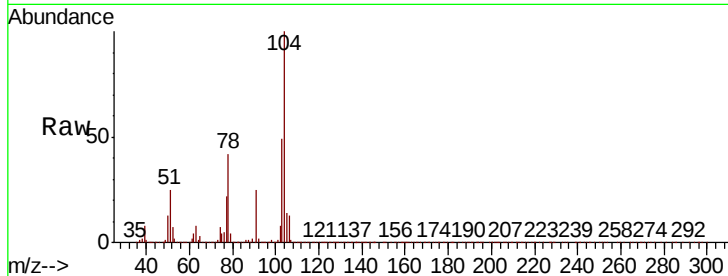
#69
Stvrene
Concen: 19.029 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.2	57.4
103	54.3	43.2	64.8

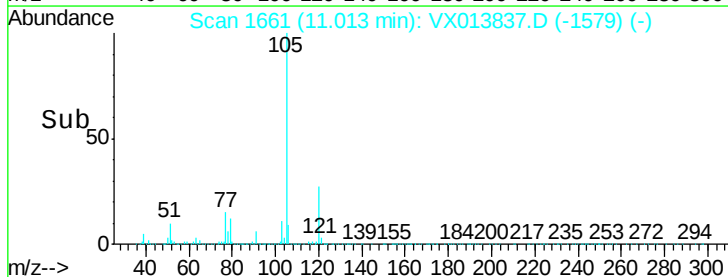
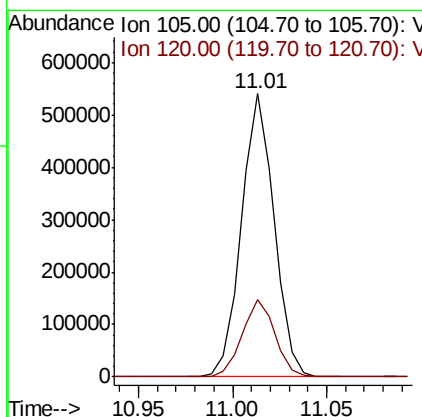
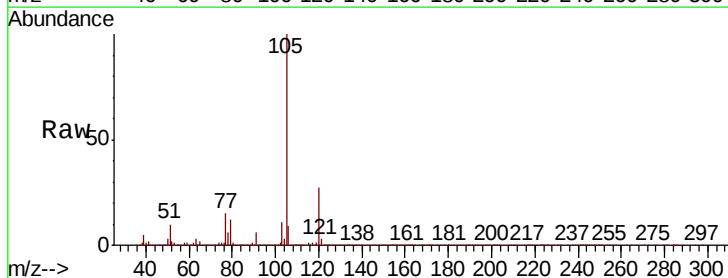
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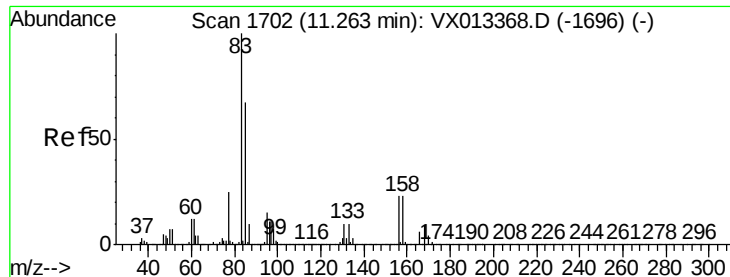
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#70
Isopropylbenzene
Concen: 19.343 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	18.8	34.8





#71

1,1,2,2-Tetrachloroethane

Concen: 18.056 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

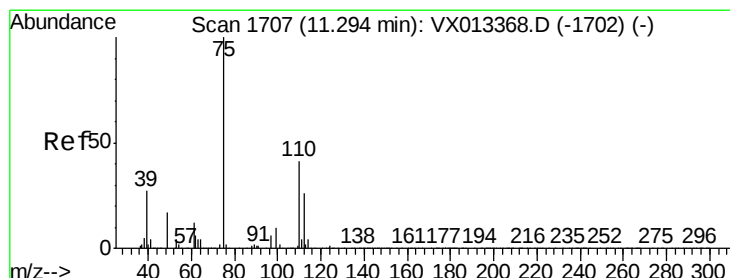
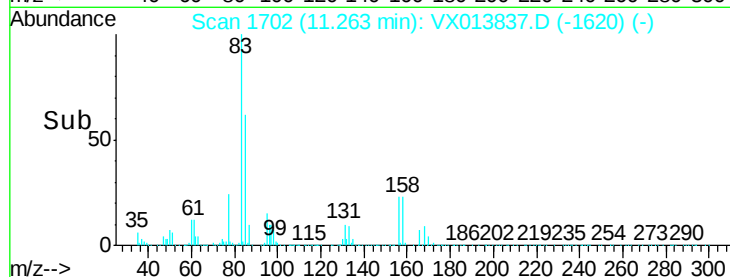
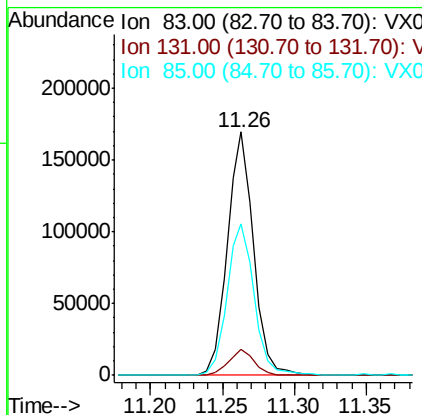
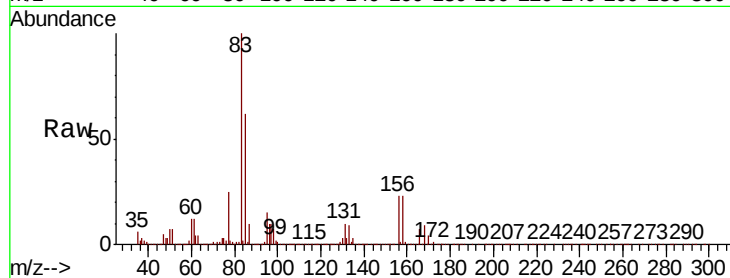
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	216551
Ion Ratio		Lower	Upper
83	100		
131	10.4	4.7	14.1
85	64.5	32.6	97.7

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#72

1,2,3-Trichloropropane

Concen: 19.655 ug/l m

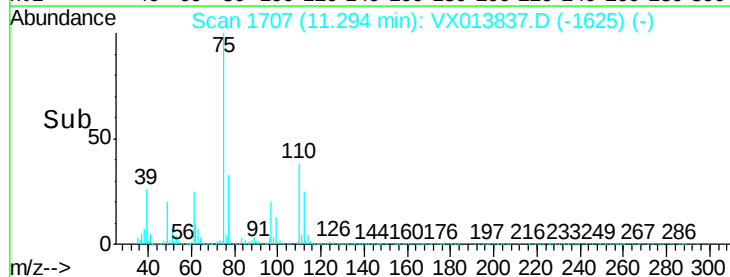
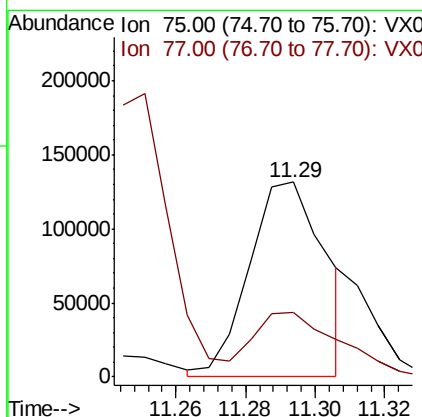
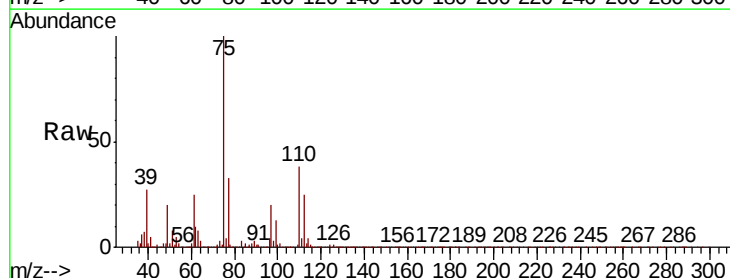
RT: 11.29 min Scan# 1707

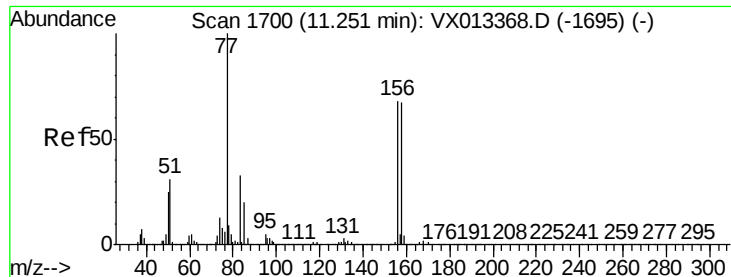
Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Tgt Ion:	75	Resp:	199034
Ion Ratio		Lower	Upper
75	100		
77	35.7	0.0	86.2





#73

Bromobenzene

Concen: 18.875 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

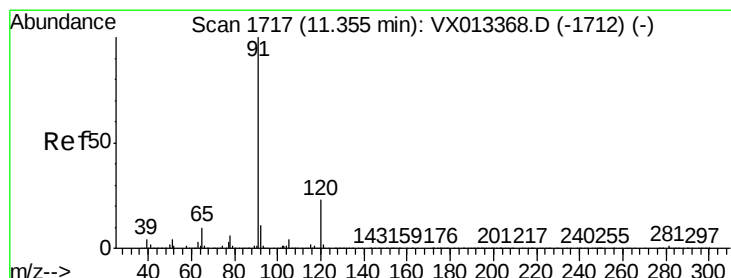
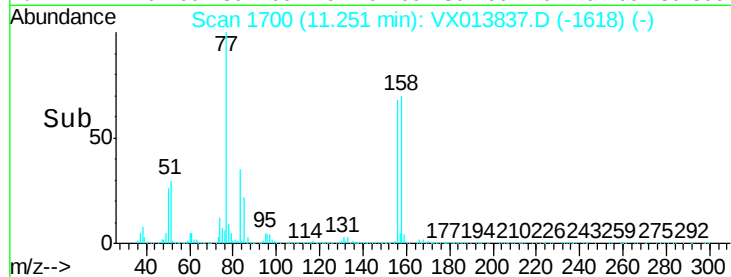
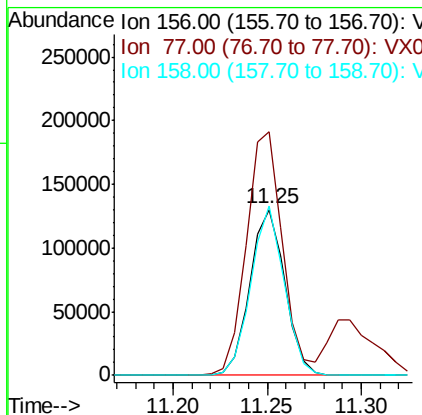
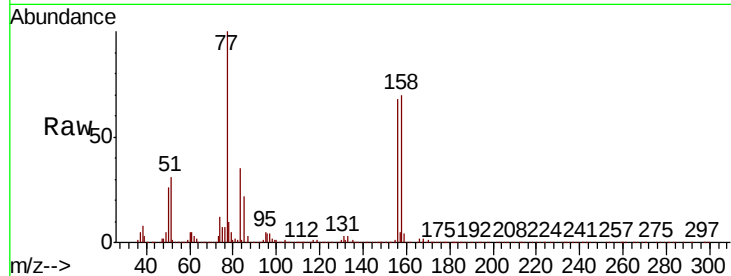
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	166725
Ion Ratio	Lower	Upper	
156	100		
77	152.3	0.0	308.8
158	98.1	0.0	197.0

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#74

n-propylbenzene

Concen: 19.568 ug/l

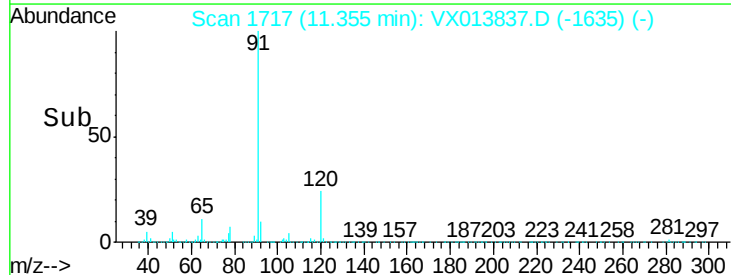
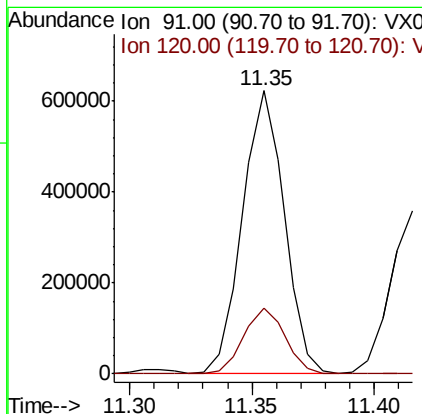
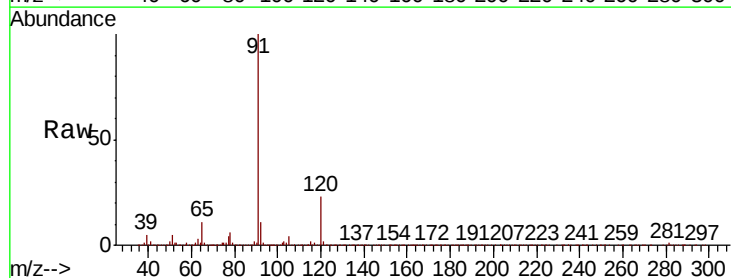
RT: 11.35 min Scan# 1717

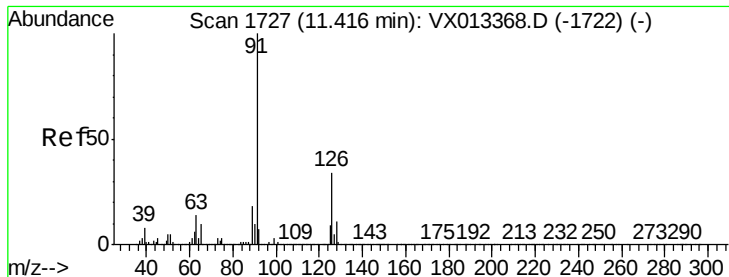
Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Tgt Ion:	91	Resp:	744850
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	46.2





#75

2-Chlorotoluene

Concen: 19.380 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 438671

Ion Ratio Lower Upper

91 100

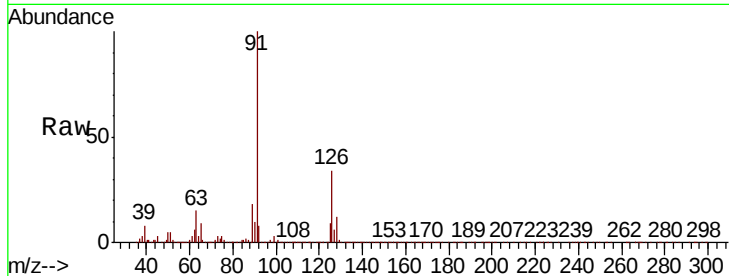
126 34.4 0.0 69.0

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Abundance Ion 91.00 (90.70 to 91.70): VX013368.D (-1722) (-)

Ion 126.00 (125.70 to 126.70): VX013368.D (-1722) (-)

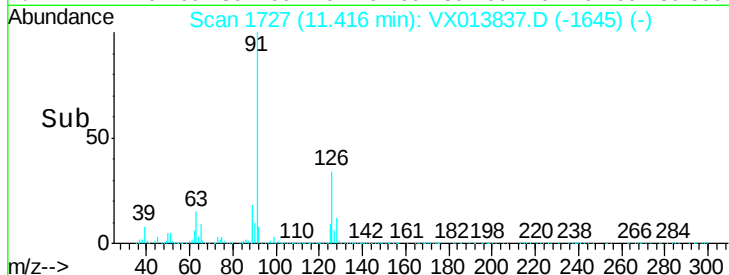
600000

400000

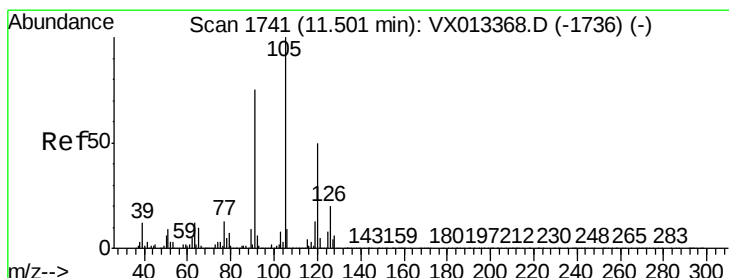
200000

0

11.35 11.40 11.45



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.389 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013837.D

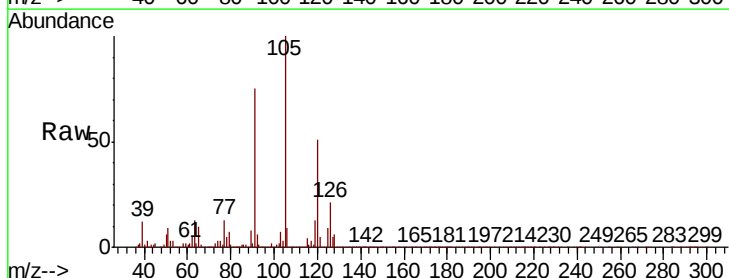
Acq: 07 Dec 2019 13:13

Tgt Ion: 105 Resp: 545867

Ion Ratio Lower Upper

105 100

120 50.5 0.0 100.0



Abundance Ion 105.00 (104.70 to 105.70): VX013368.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX013368.D (-1736) (-)

500000

400000

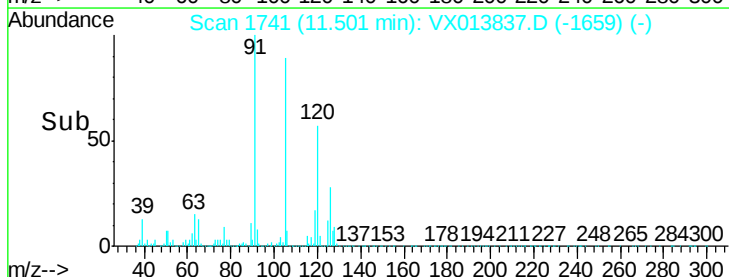
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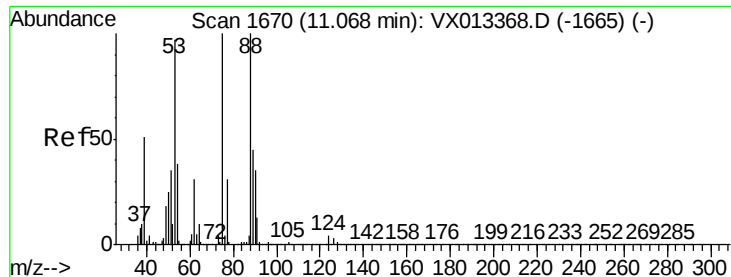
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0

11.45 11.50 11.55



Time-->



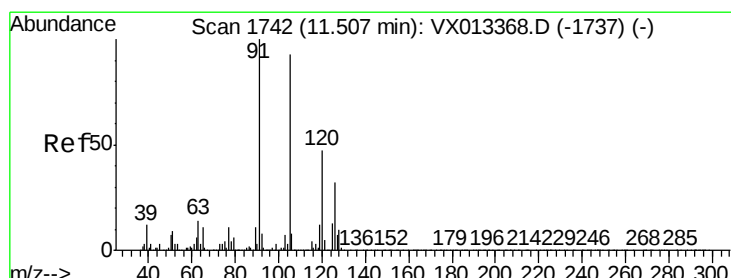
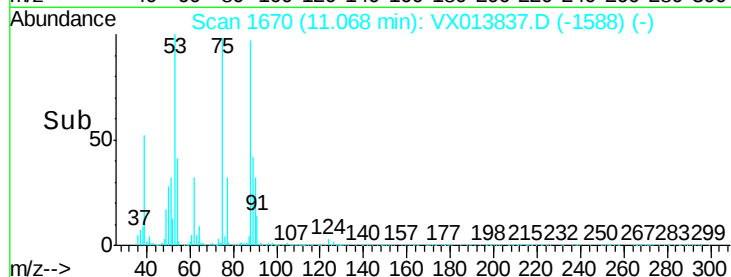
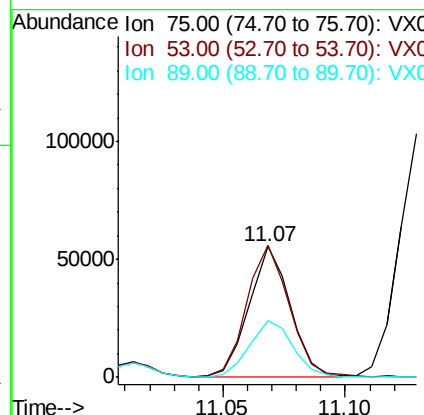
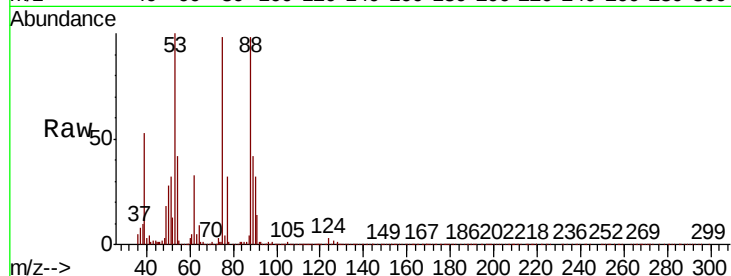
#77
t-1,4-Dichloro-2-butene
Concen: 15.862 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	48.8	146.3
89	42.9	22.3	66.8

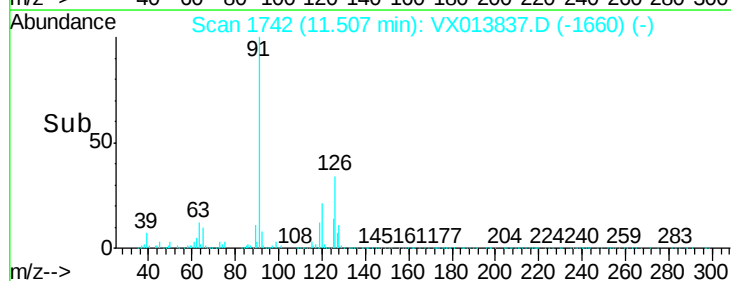
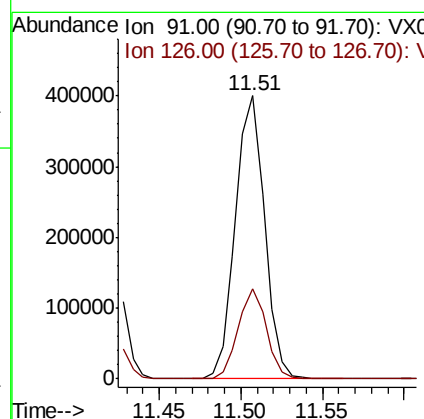
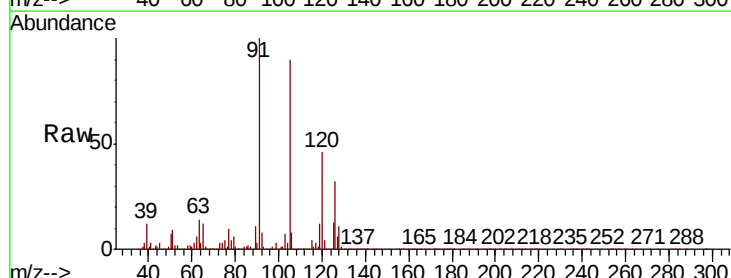
Manual Integrations
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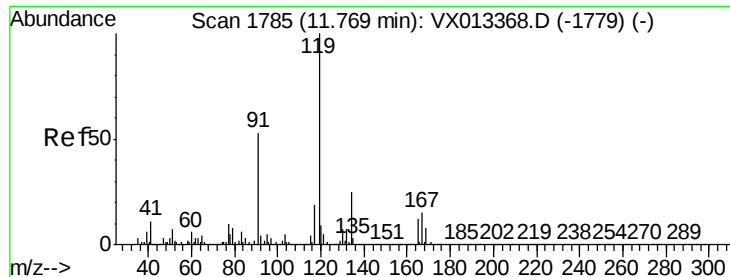
apatel
12/11/2019 8:55:48 AM



#78
4-Chlorotoluene
Concen: 19.209 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	0.0	61.0





#79

tert-butylbenzene

Concen: 18.822 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

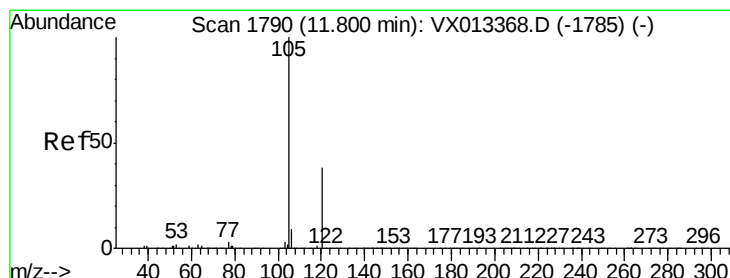
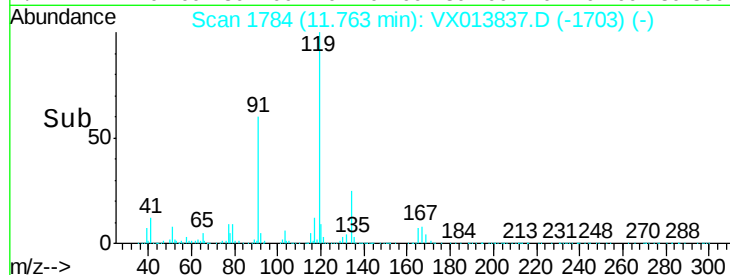
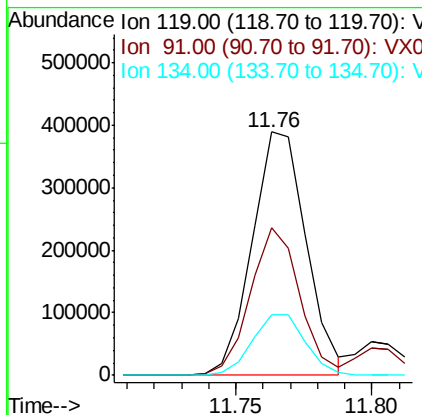
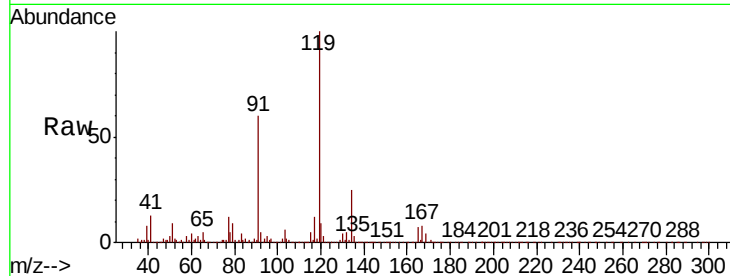
ClientSampleId :

VSTDCCC020

Tot Ion:	119	Resp:	534651
Ion Ratio	Lower	Upper	
119	100		
91	55.6	0.0	109.6
134	24.8	0.0	47.8

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#80

1,2,4-Trimethylbenzene

Concen: 19.303 ug/l

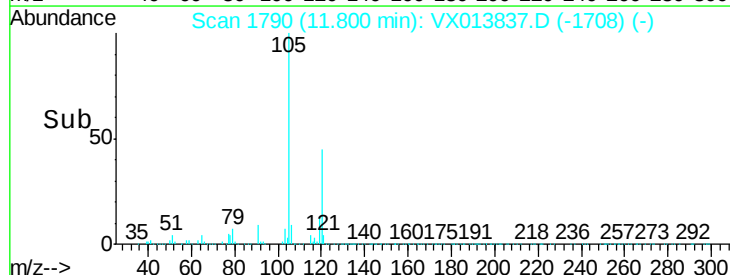
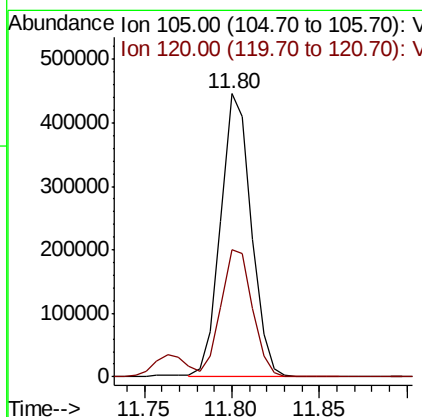
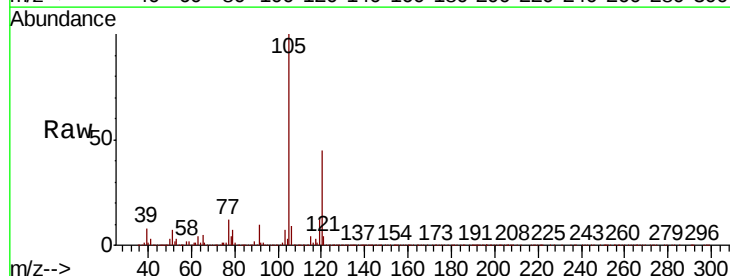
RT: 11.80 min Scan# 1790

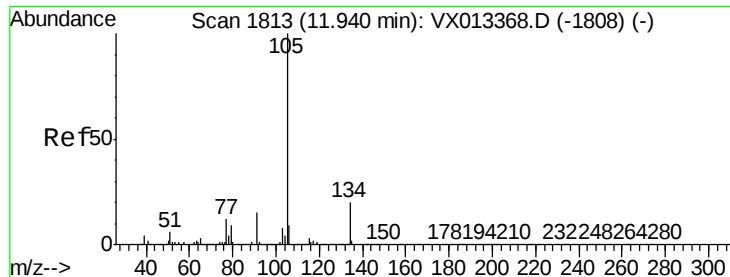
Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Tgt Ion:	105	Resp:	541566
Ion Ratio	Lower	Upper	
105	100		
120	46.3	0.0	94.0





#81

sec-Butylbenzene

Concen: 19.585 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 634733

Ion Ratio Lower Upper

105 100

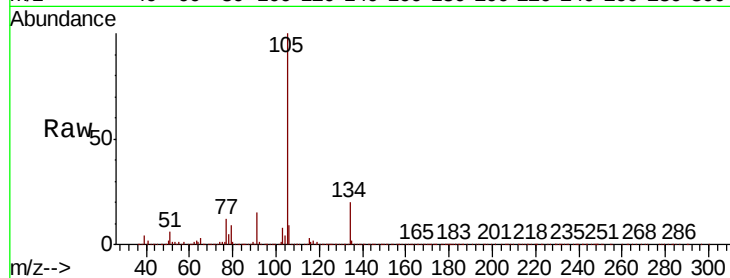
134 20.8 0.0 41.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

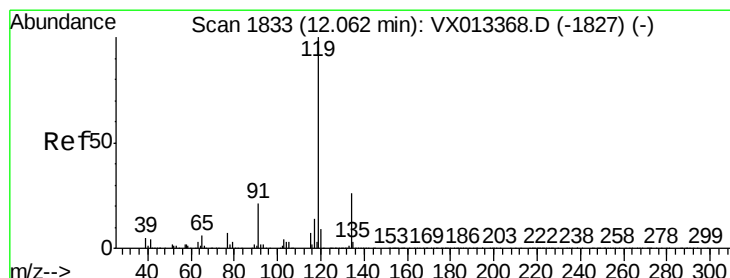
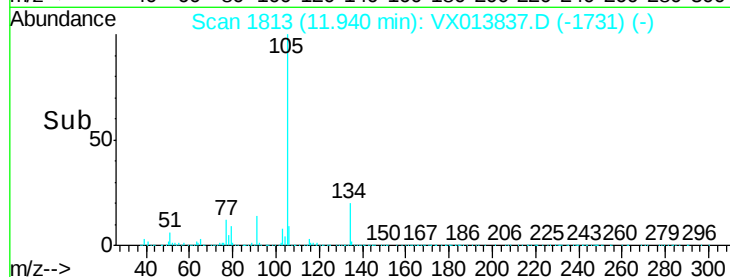
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.390 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013837.D

Acq: 07 Dec 2019 13:13

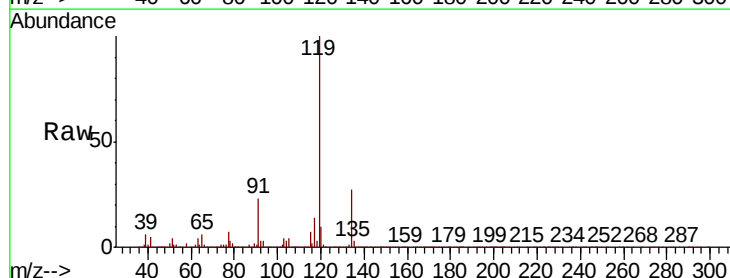
Tgt Ion:119 Resp: 579006

Ion Ratio Lower Upper

119 100

134 26.7 0.0 51.6

91 22.8 0.0 44.2



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): VX0

12.06

600000

500000

400000

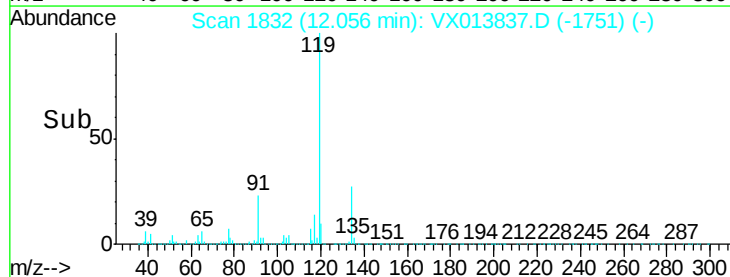
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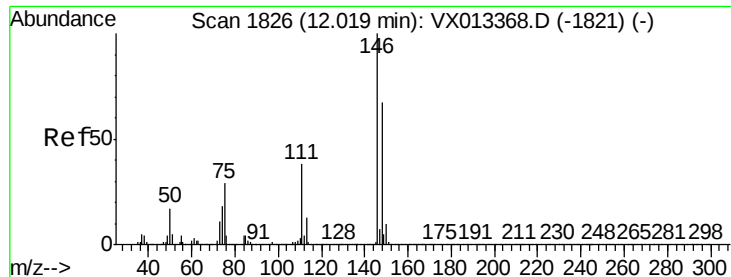
200000

100000

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Time-->





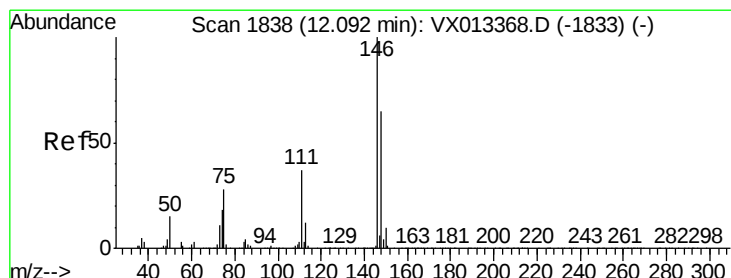
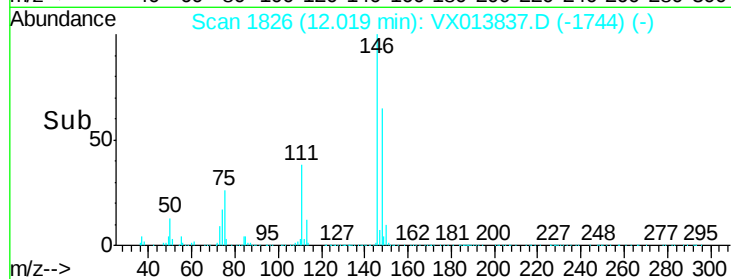
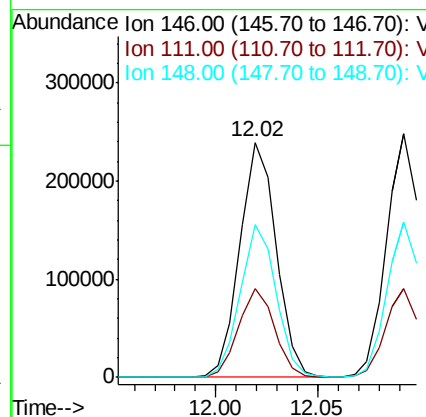
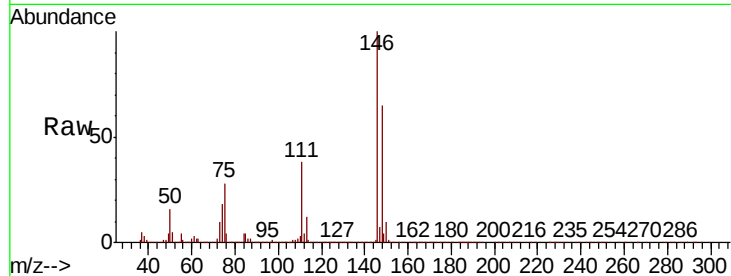
#83
 1,3-Dichlorobenzene
 Concen: 19.137 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	63.8	32.3	96.9

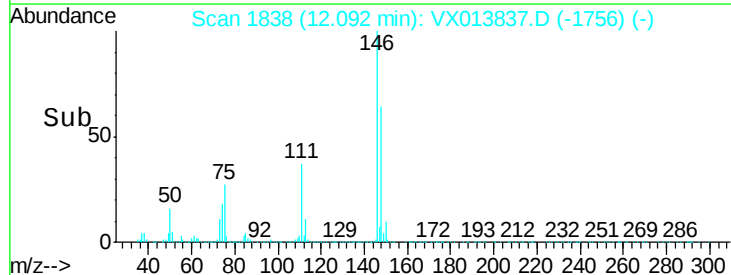
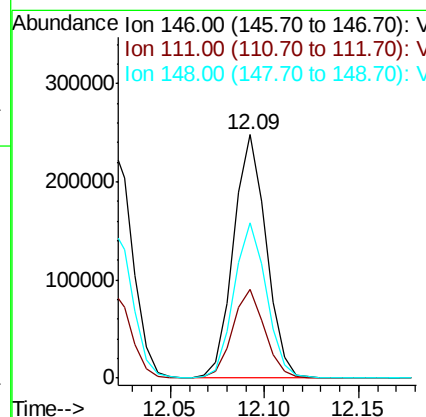
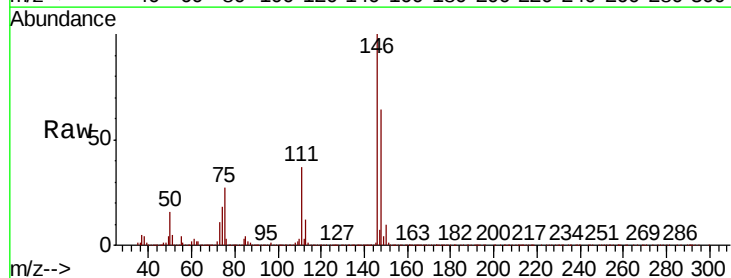
Manual Integrations
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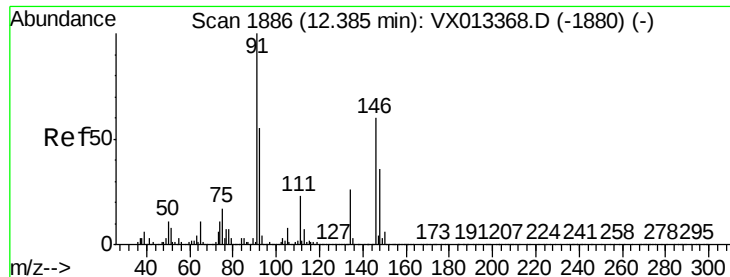
apatel
 12/11/2019 8:55:48 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.362 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.6	55.6
148	63.2	32.5	97.4





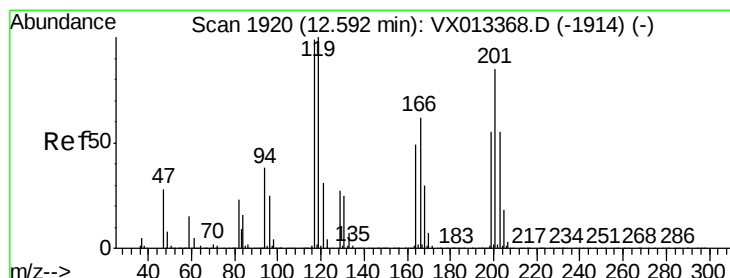
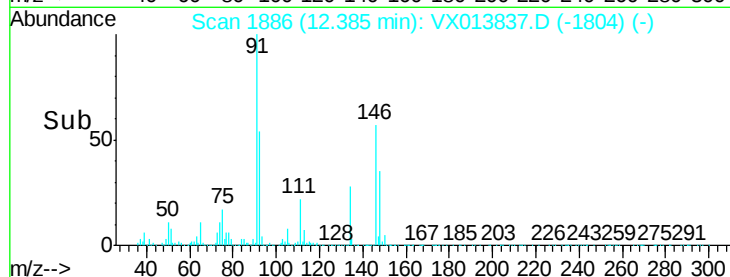
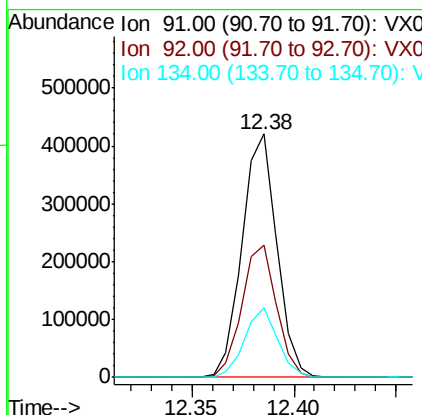
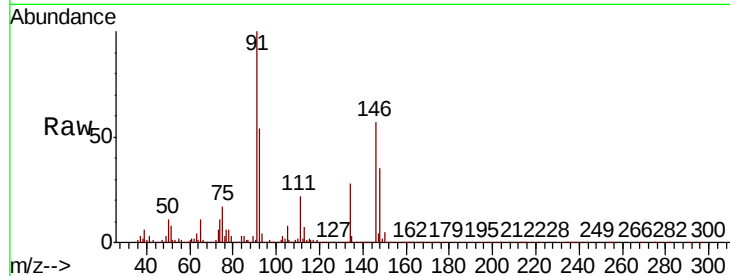
#85
n-Butylbenzene
Concen: 19.298 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	497350		
92	54.6	0.0	109.0	
134	27.1	0.0	53.0	

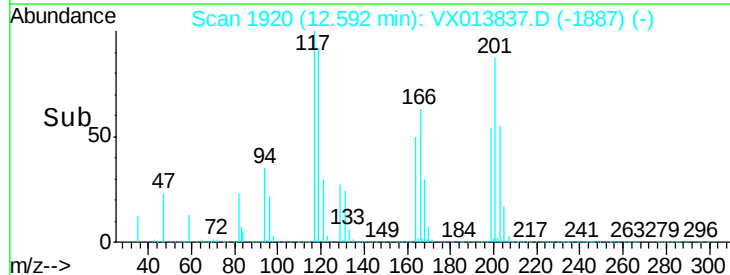
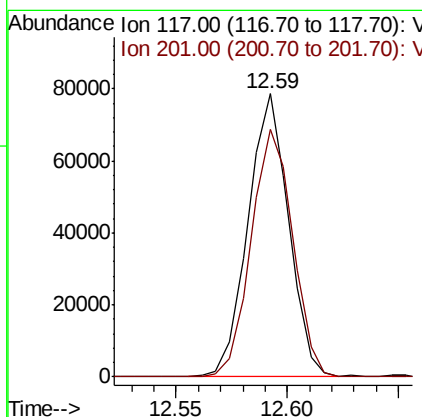
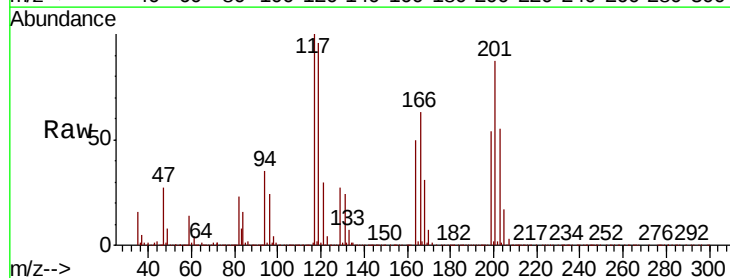
Manual Integrations
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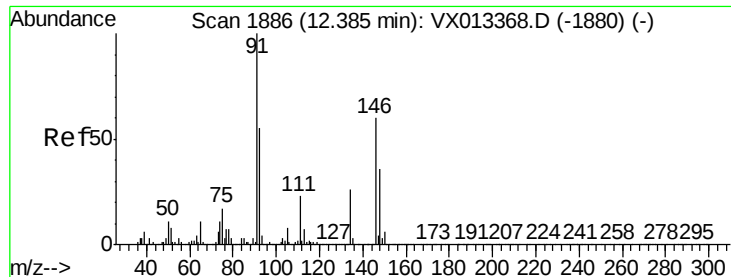
apatel
12/11/2019 8:55:48 AM



#86
Hexachloroethane
Concen: 18.196 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	99707		
201	90.0	44.5	133.3	





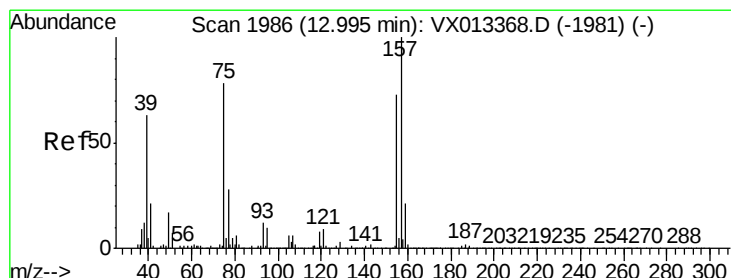
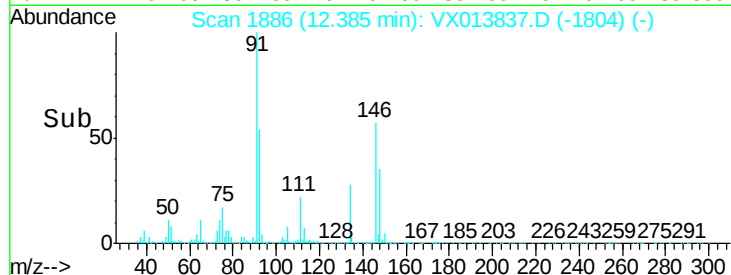
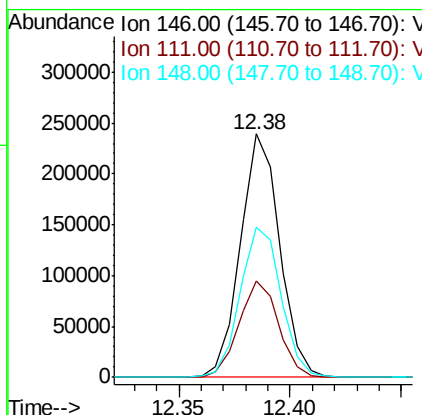
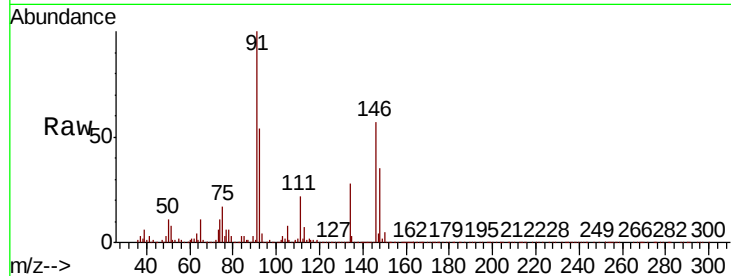
#87
 1,2-Dichlorobenzene
 Concen: 18.944 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.3	31.6	94.7

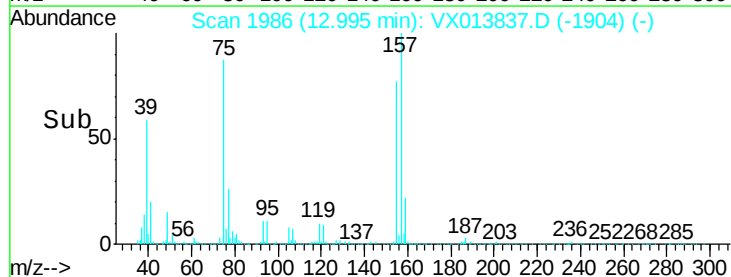
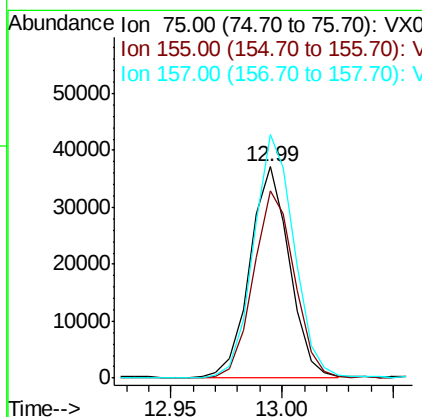
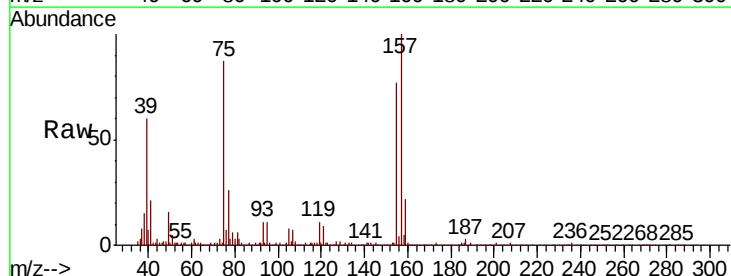
Manual Integrations
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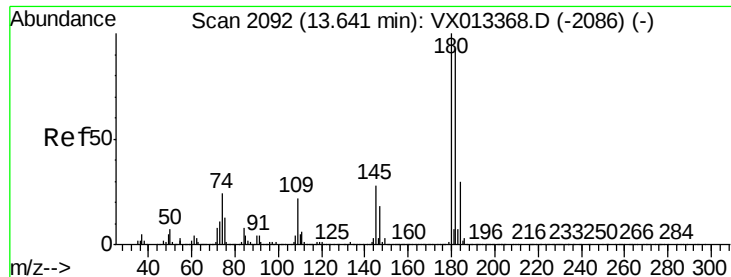
apatel
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.925 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	76.9	115.3
157	119.8	101.2	151.8





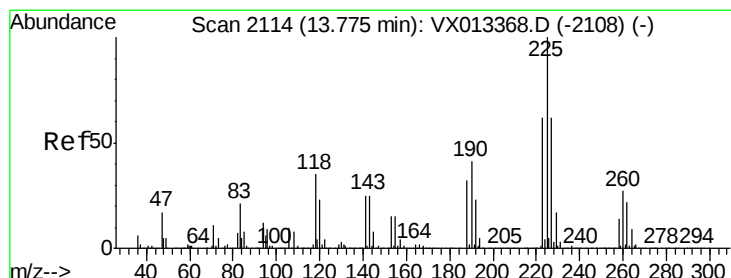
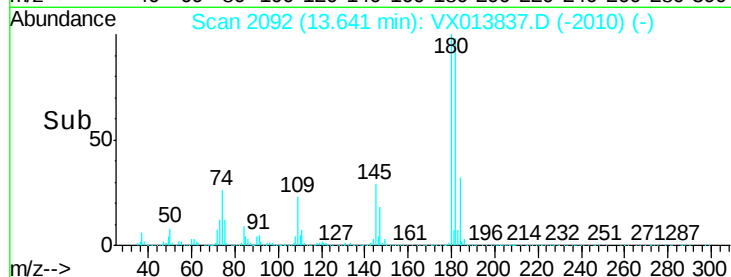
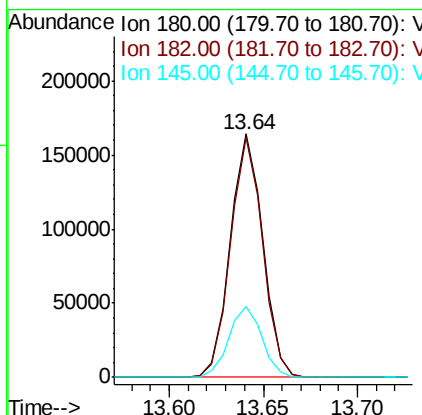
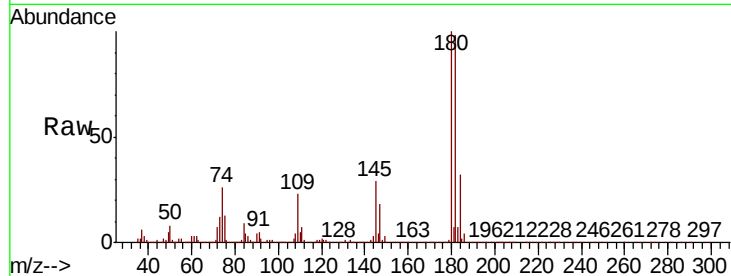
#89
 1,2,4-Trichlorobenzene
 Concen: 18.336 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196330		
182	97.0	74.7	112.1	
145	29.7	22.1	33.1	

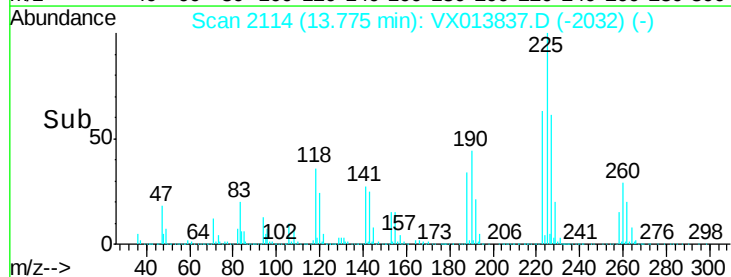
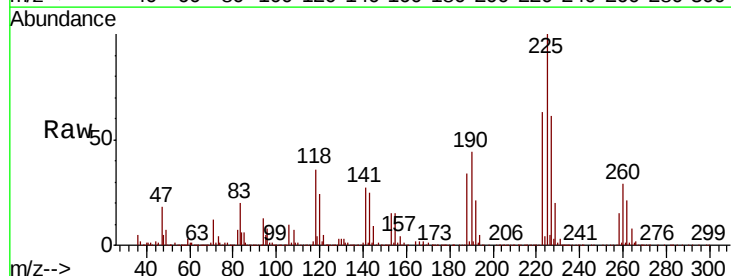
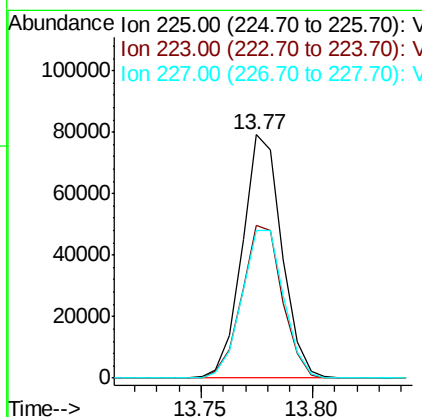
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#90
 Hexachlorobutadiene
 Concen: 19.166 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013837.D
 Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98338		
223	64.2	0.0	123.0	
227	64.4	0.0	121.8	





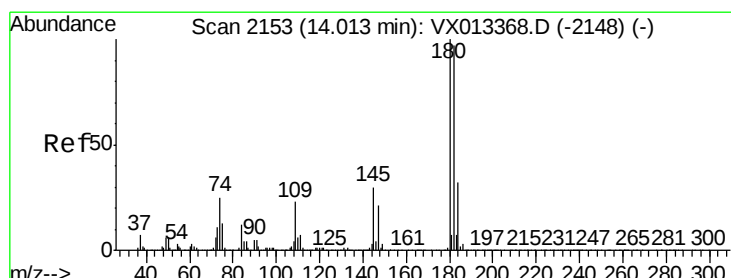
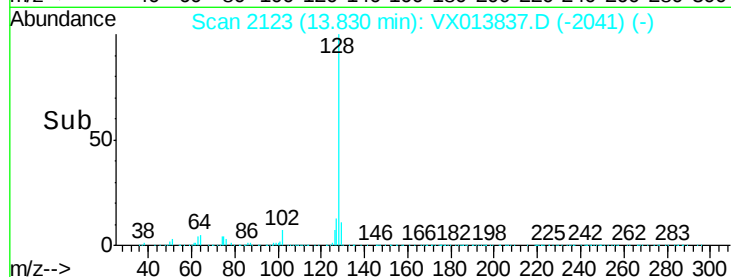
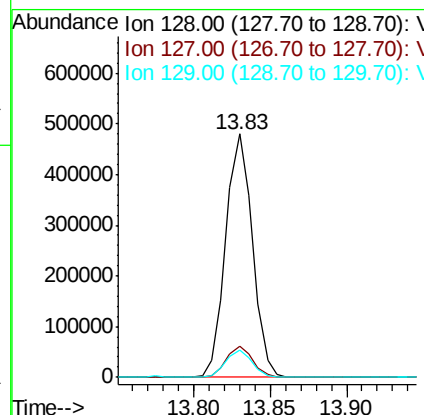
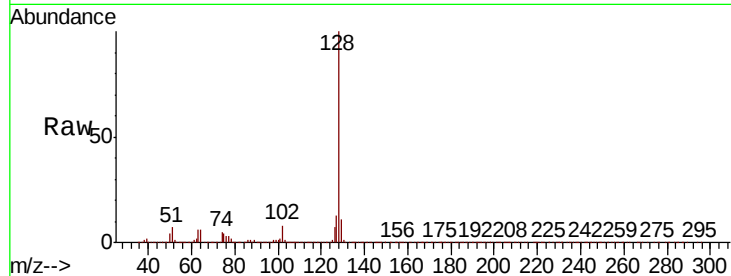
#91
Naphthalene
Concen: 17.157 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2

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#92
1,2,3-Trichlorobenzene
Concen: 18.236 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013837.D
Acq: 07 Dec 2019 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	191.0
145	30.1	0.0	59.0

