

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016451.D
 Acq On : 27 May 2020 16:13
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:10:30 PM

Quant Time: May 27 16:34:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	285001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	447595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	424652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	518943	138.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.44%	
35) Dibromofluoromethane	5.47	113	410270	144.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.20%	
50) Toluene-d8	8.70	98	1625543	147.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.54%	
62) 4-Bromofluorobenzene	11.12	95	656578	157.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	419098	139.553	ug/l	97
3) Chloromethane	1.31	50	498826	142.879	ug/l	99
4) Vinyl Chloride	1.39	62	525372	140.763	ug/l	97
5) Bromomethane	1.62	94	245146	131.965	ug/l	98
6) Chloroethane	1.69	64	270769	120.406	ug/l	97
7) Trichlorofluoromethane	1.90	101	692848	141.445	ug/l	100
8) Diethyl Ether	2.17	74	277330	134.957	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	370023	131.949	ug/l	99
10) Methyl Iodide	2.48	142	474385	131.106	ug/l	99
11) Tert butyl alcohol	3.04	59	682530	721.823	ug/l	100
12) 1,1-Dichloroethene	2.35	96	390975	133.139	ug/l	99
13) Acrolein	2.28	56	313159	567.668	ug/l	97
14) Allyl chloride	2.70	41	733472	135.764	ug/l	99
15) Acrylonitrile	3.12	53	1410088	716.451	ug/l	99
16) Acetone	2.43	43	1123517	673.894	ug/l	98
17) Carbon Disulfide	2.54	76	1176743	117.798	ug/l	99
18) Methyl Acetate	2.75	43	584738	141.508	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1468913	143.784	ug/l	99
20) Methylene Chloride	2.83	84	445901	129.598	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	444011	134.775	ug/l	97
22) Diisopropyl ether	3.83	45	1417959	138.213	ug/l	92
23) Vinyl Acetate	3.79	43	6406517	710.698	ug/l	98
24) 1,1-Dichloroethane	3.67	63	797647	139.056	ug/l	100
25) 2-Butanone	4.64	43	2002088	739.849	ug/l	98
26) 2,2-Dichloropropane	4.55	77	648738	126.484	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	502023	139.036	ug/l	99
28) Bromochloromethane	4.98	49	365480	140.325	ug/l	98
29) Tetrahydrofuran	5.09	42	1297281	724.430	ug/l	99
30) Chloroform	5.18	83	805788	141.157	ug/l	98
31) Cyclohexane	5.55	56	721523	139.897	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	732244	140.967	ug/l	99
36) 1,1-Dichloropropene	5.77	75	626276	141.854	ug/l	99
37) Ethyl Acetate	4.80	43	748172	145.984	ug/l	99
38) Carbon Tetrachloride	5.75	117	661008	146.831	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	696943	133.563	ug/l	99
40) Benzene	6.12	78	1849797	142.880	ug/l	100
41) Methacrylonitrile	5.01	41	409653	148.303	ug/l	99
42) 1,2-Dichloroethane	6.17	62	656046	140.876	ug/l	100
43) Isopropyl Acetate	6.42	43	1196095	146.624	ug/l	99
44) Trichloroethene	7.19	130	547276	121.176	ug/l	98
45) 1,2-Dichloropropane	7.49	63	477116	145.873	ug/l	99
46) Dibromomethane	7.64	93	318716	143.412	ug/l	99
47) Bromodichloromethane	7.88	83	675108	149.084	ug/l	98
48) Methyl methacrylate	7.75	41	590146	152.220	ug/l	99
49) 1,4-Dioxane	7.72	88	274478	2960.409	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3804258	759.736	ug/l	99
52) Toluene	8.77	92	1186543	147.055	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	792257	147.261	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	820159	145.853	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	479815	151.291	ug/l	97
56) Ethyl methacrylate	9.16	69	832884	160.457	ug/l	100
57) 1,3-Dichloropropane	9.35	76	819443	147.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	2028225	738.403	ug/l	99
59) 2-Hexanone	9.48	43	3036080	770.910	ug/l	99
60) Dibromochloromethane	9.57	129	556389	158.655	ug/l	100
61) 1,2-Dibromoethane	9.66	107	518046	151.243	ug/l	100
64) Tetrachloroethene	9.32	164	612893	118.758	ug/l	95
65) Chlorobenzene	10.12	112	1273788	142.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	491522	148.957	ug/l	99
67) Ethyl Benzene	10.24	91	2301655	144.824	ug/l	100
68) m/p-Xylenes	10.34	106	1731769	291.502	ug/l	99
69) o-Xylene	10.68	106	850057	148.980	ug/l	98
70) Styrene	10.70	104	1506033	154.842	ug/l	99
71) Bromoform	10.84	173	457171	168.745	ug/l	99
73) Isopropylbenzene	11.01	105	2262416	137.028	ug/l	99
74) N-amyl acetate	10.88	43	1113061	144.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	659083	214.087	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	709082m	137.419	ug/l	
77) Bromobenzene	11.24	156	588449	137.537	ug/l	99
78) n-propylbenzene	11.35	91	2603895	135.897	ug/l	100
79) 2-Chlorotoluene	11.41	91	1576947	138.708	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1961622	140.528	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	313405	146.539	ug/l	98
82) 4-Chlorotoluene	11.49	91	1882164	140.308	ug/l	99
83) tert-Butylbenzene	11.76	119	1737656	144.325	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	1999541	141.682	ug/l	100
85) sec-Butylbenzene	11.93	105	2150521	134.226	ug/l	100
86) p-Isopropyltoluene	12.05	119	2003464	134.435	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1052807	137.443	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	1064654	136.935	ug/l	98
89) n-Butylbenzene	12.37	91	1731158	128.301	ug/l	99
90) Hexachloroethane	12.58	117	368276	144.363	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	1022838	138.760	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	197546	145.301	ug/l	99

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MSVOA_X
ClientSampleId :
VSTDICC150

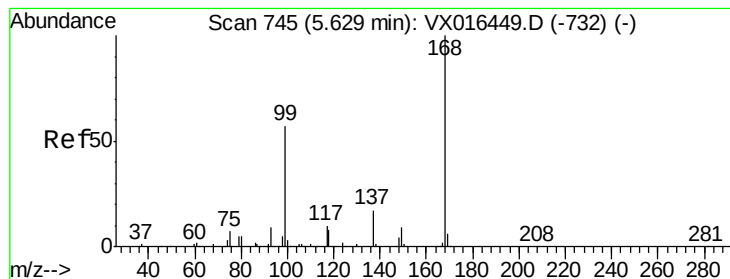
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	724262	133.925	ug/l	100
94) Hexachlorobutadiene	13.77	225	287150	117.949	ug/l	96
95) Naphthalene	13.82	128	2465733	140.292	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	683056	130.213	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 285001

Ion Ratio Lower Upper

168 100

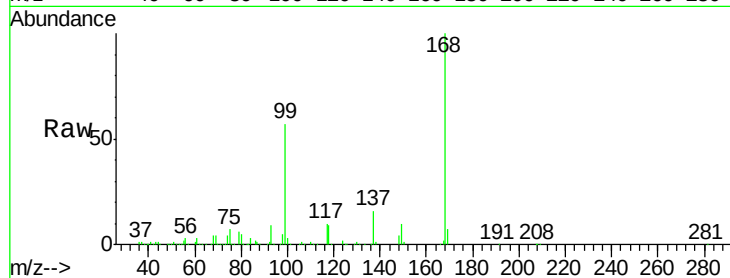
99 56.7 45.2 67.8

Manual Integrations

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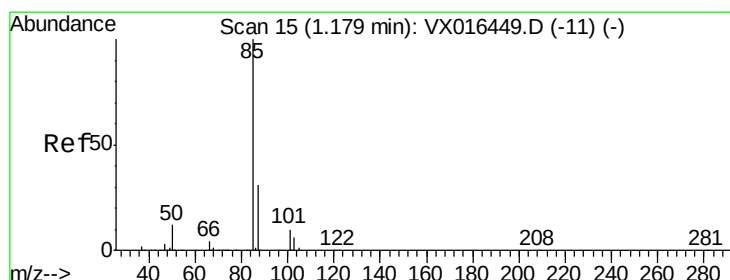
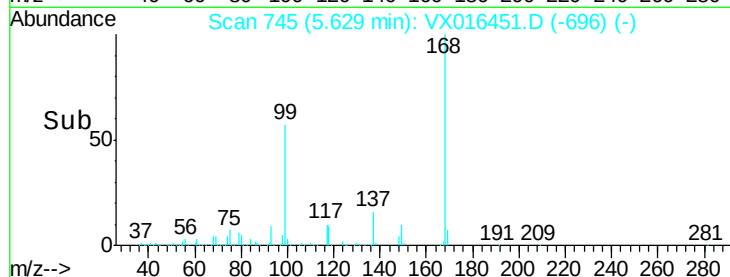
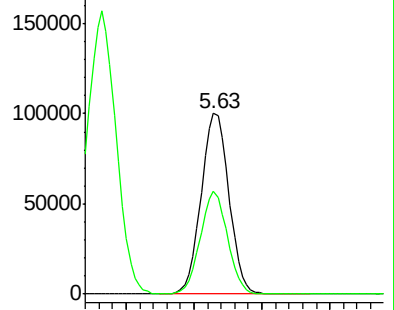
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 139.553 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.00 min

Lab File: VX016451.D

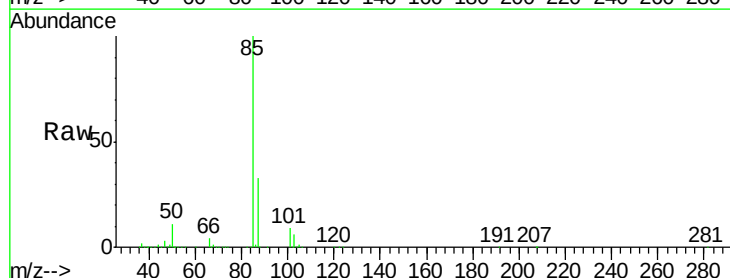
Acq: 27 May 2020 16:13

Tgt Ion: 85 Resp: 419098

Ion Ratio Lower Upper

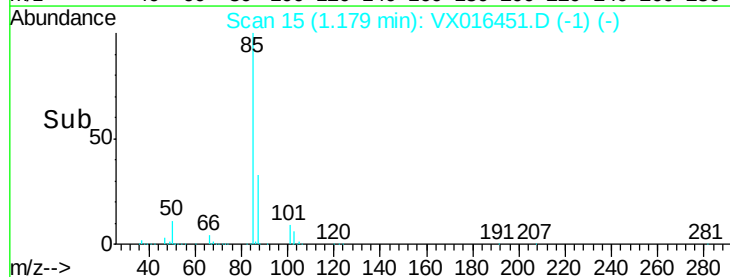
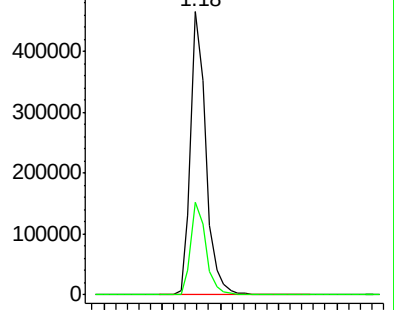
85 100

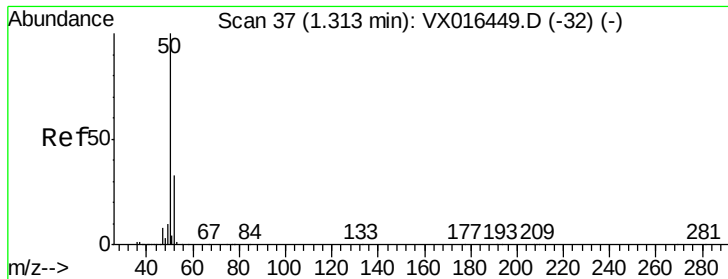
87 32.5 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 142.879 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 498826

Ion Ratio Lower Upper

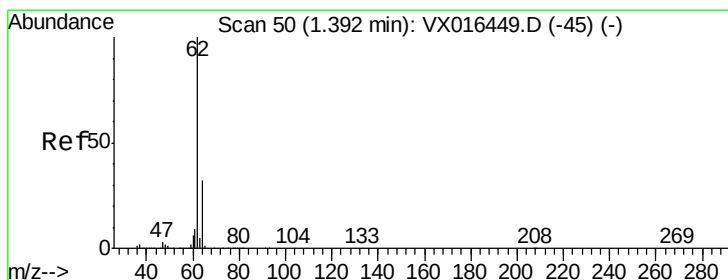
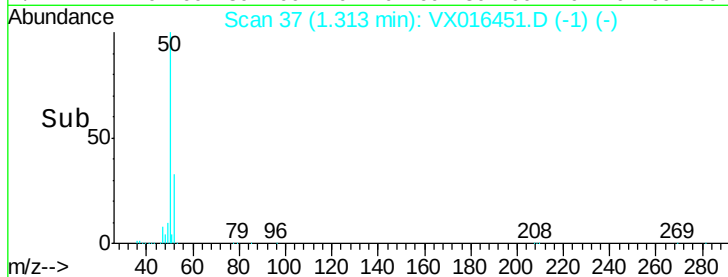
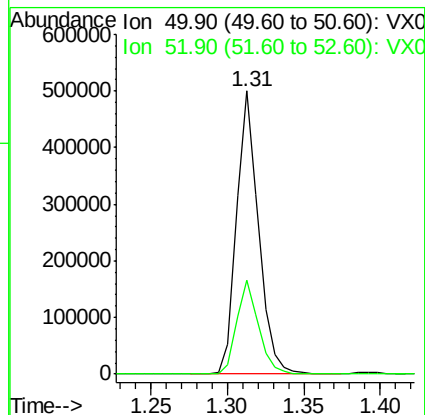
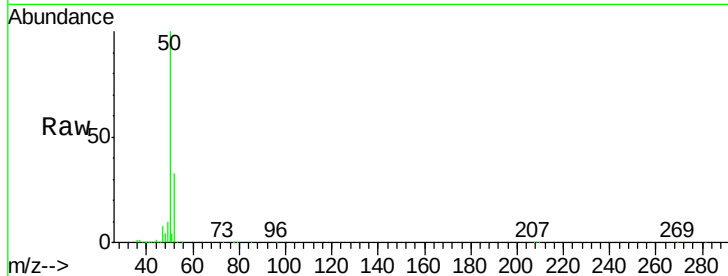
50 100

52 33.0 26.2 39.2

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#4

Vinyl Chloride

Concen: 140.763 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016451.D

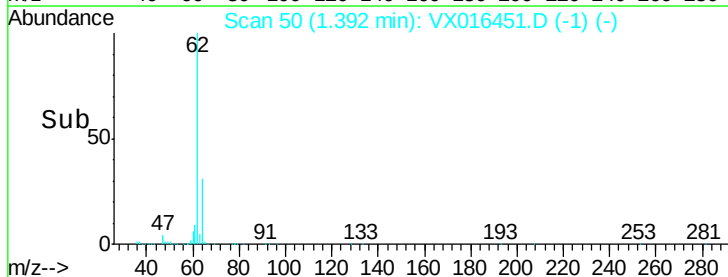
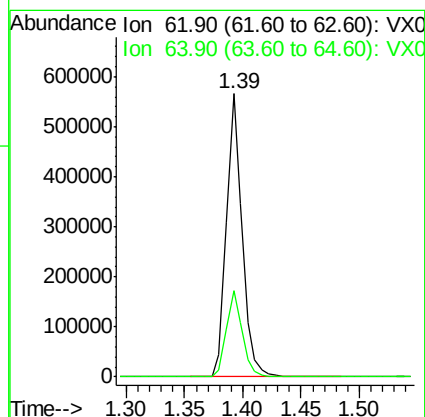
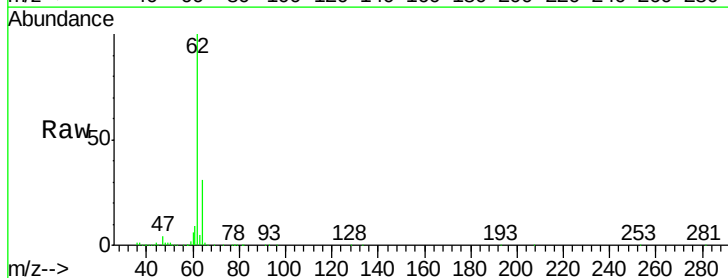
Acq: 27 May 2020 16:13

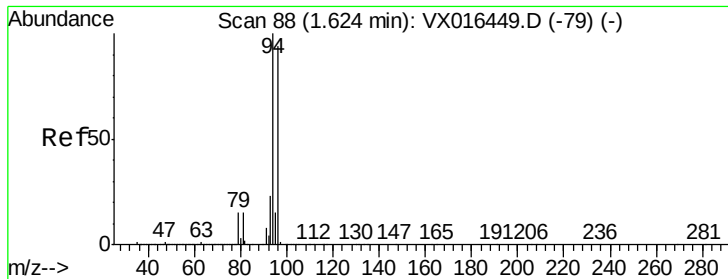
Tgt Ion: 62 Resp: 525372

Ion Ratio Lower Upper

62 100

64 30.7 25.9 38.9





#5

Bromomethane

Concen: 131.965 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 245146

Ion Ratio Lower Upper

94 100

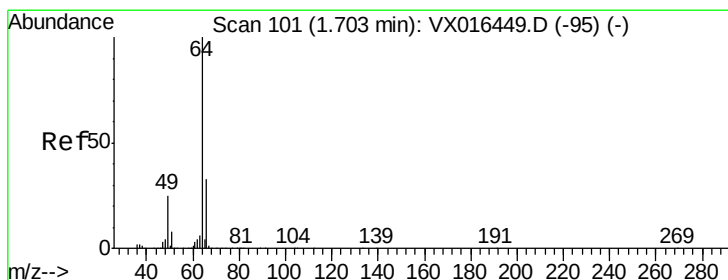
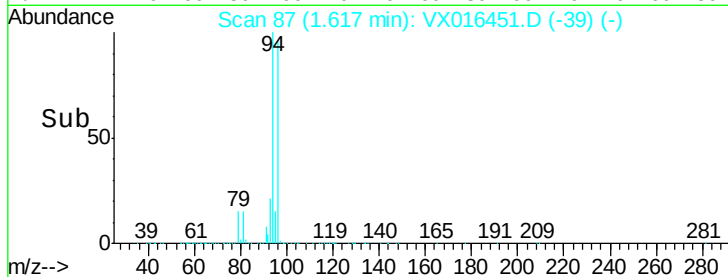
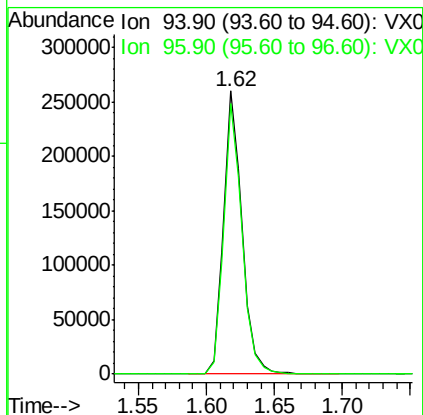
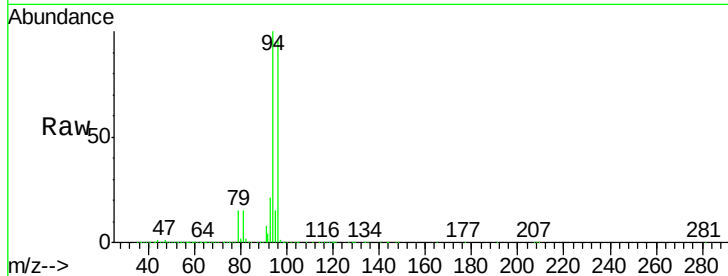
96 95.7 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 120.406 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX016451.D

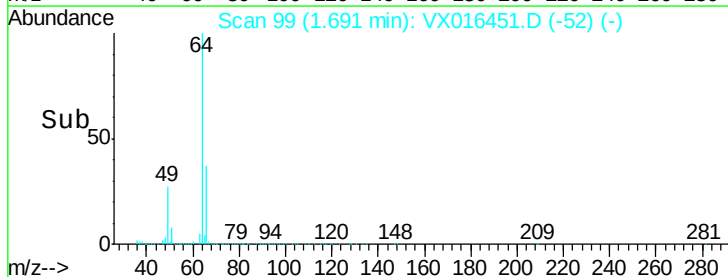
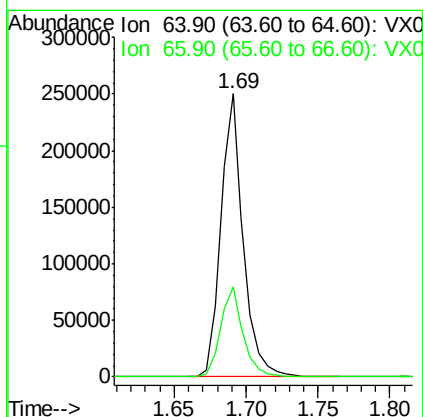
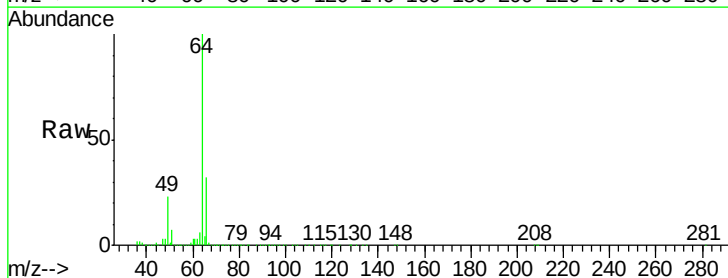
Acq: 27 May 2020 16:13

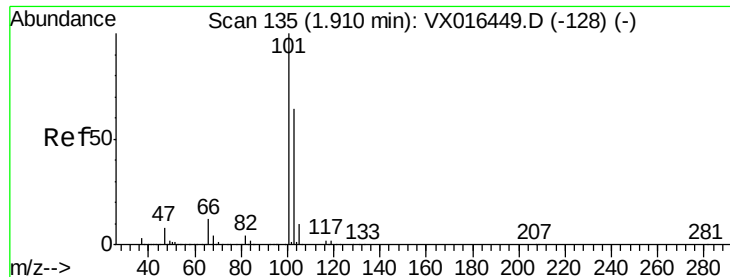
Tgt Ion: 64 Resp: 270769

Ion Ratio Lower Upper

64 100

66 31.9 26.7 40.1





#7

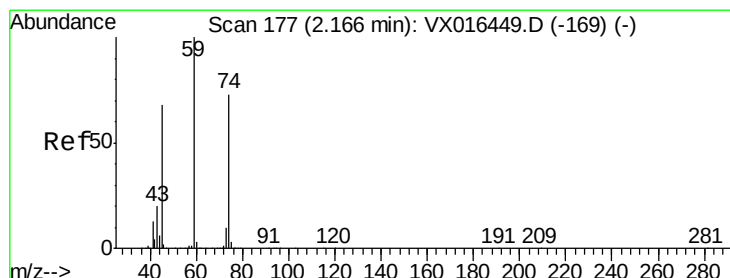
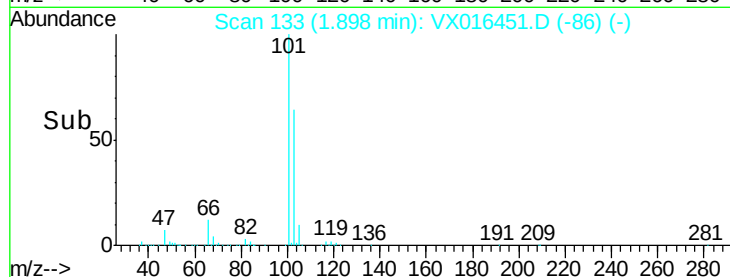
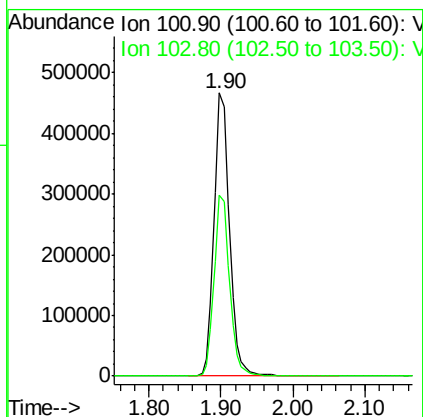
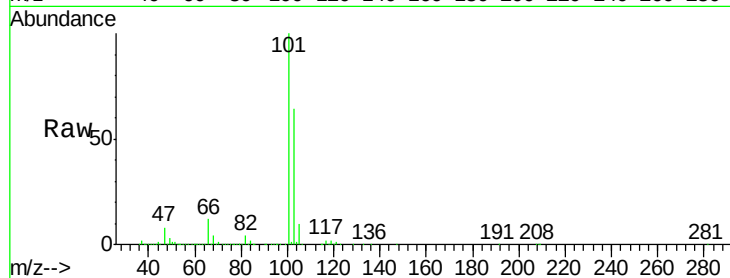
Trichlorofluoromethane
Concen: 141.445 ug/l
RT: 1.90 min Scan# 133
Delta R.T. -0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		692848		
103	63.7	50.9	76.3		

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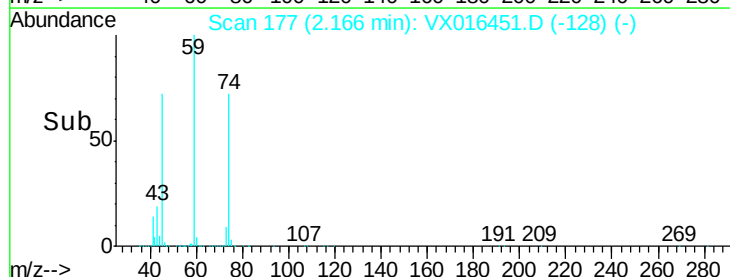
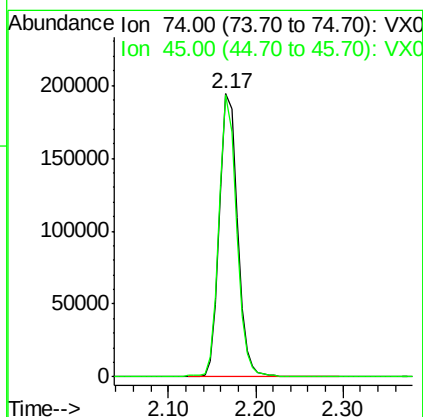
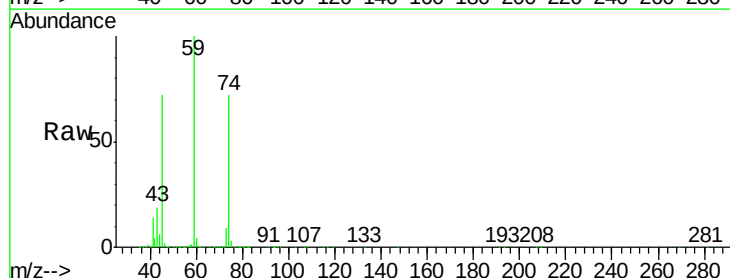
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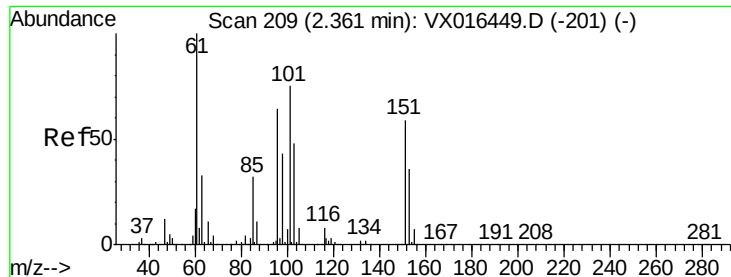


#8

Diethyl Ether
Concen: 134.957 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		277330		
45	96.8	47.5	142.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.949 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

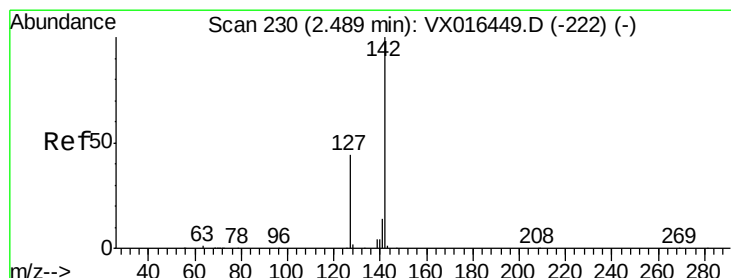
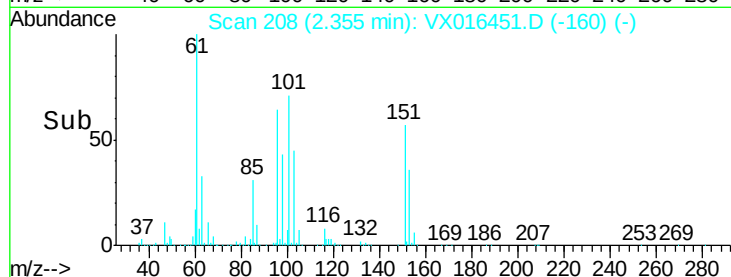
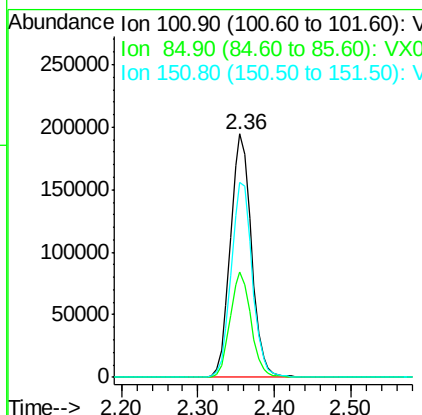
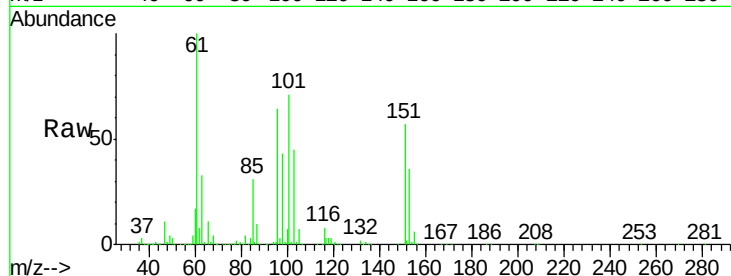
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	370023
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	80.6	63.8	95.6

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#10

Methyl Iodide

Concen: 131.106 ug/l

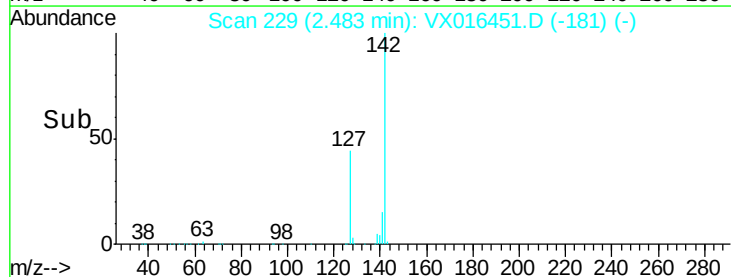
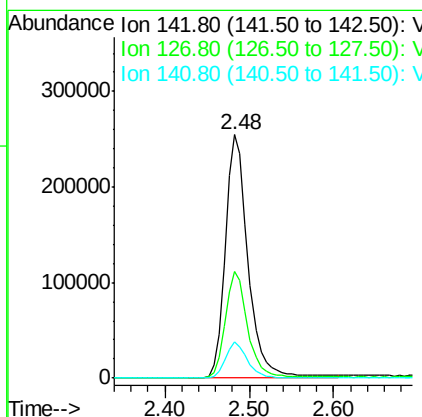
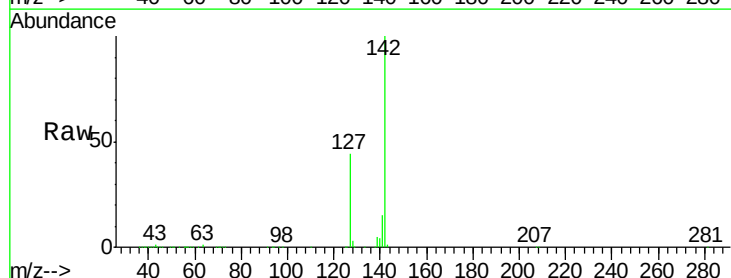
RT: 2.48 min Scan# 229

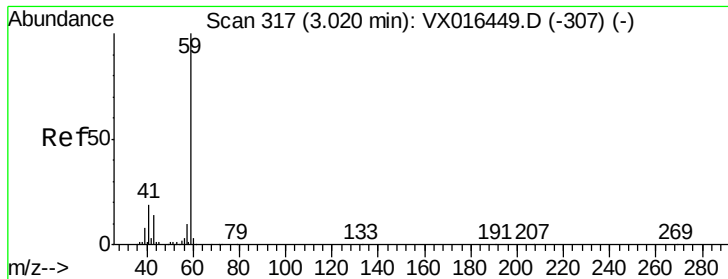
Delta R.T. -0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Tgt Ion:	142	Resp:	474385
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.3	52.9
141	14.3	11.4	17.2





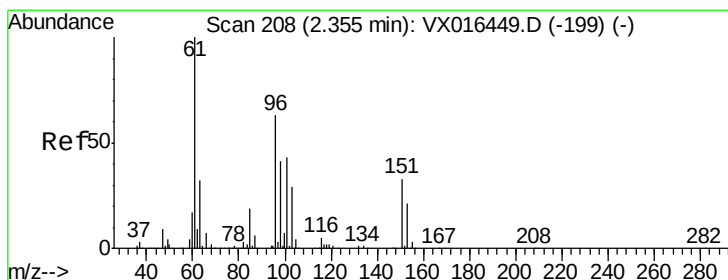
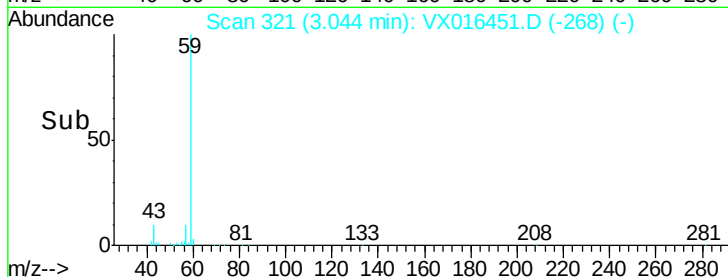
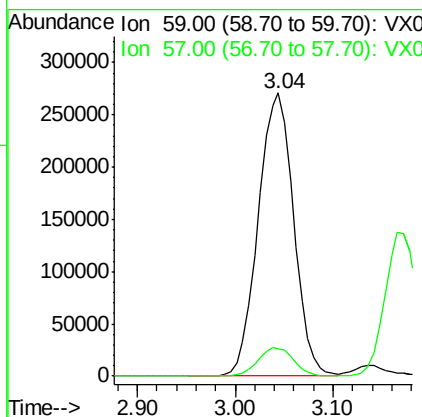
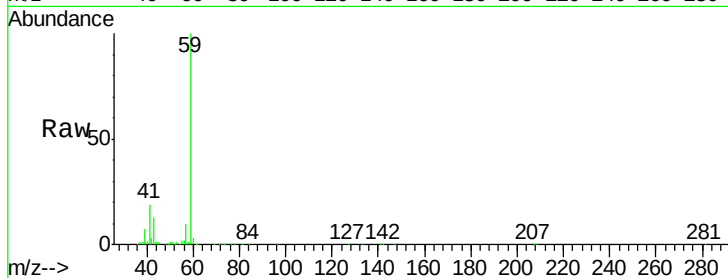
#11
Tert butyl alcohol
Concen: 721.823 ug/l
RT: 3.04 min Scan# 321
Delta R.T. 0.02 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

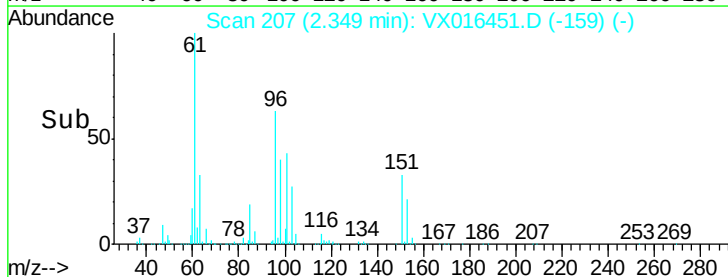
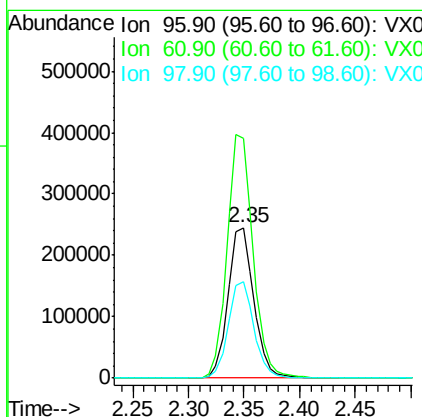
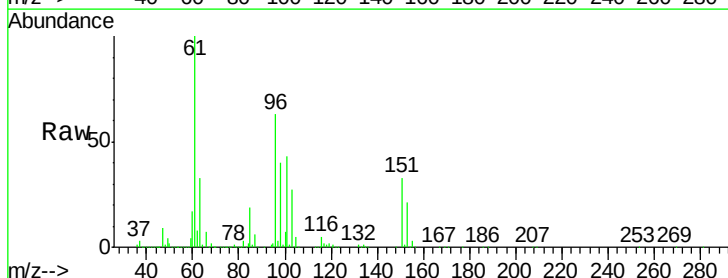
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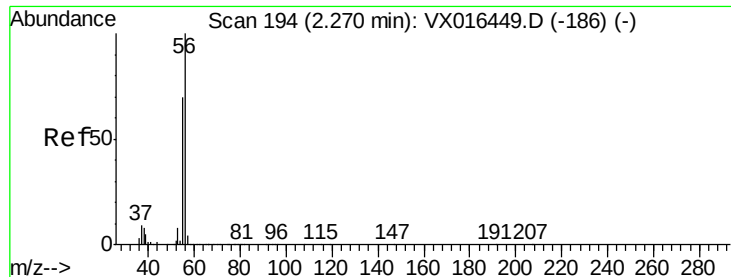
MMDadoda
5/28/2020 2:10:30 PM



#12
1,1-Dichloroethene
Concen: 133.139 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	126.6	189.8
98	63.7	51.3	76.9





#13

Acrolein

Concen: 567.668 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 313159

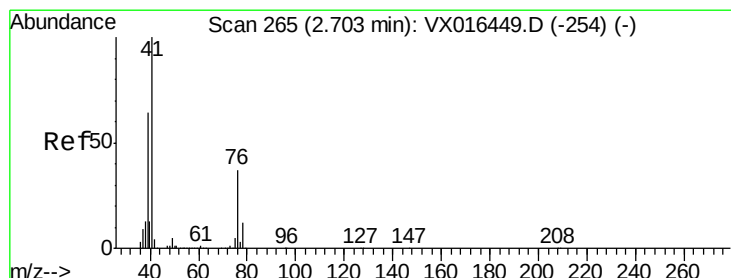
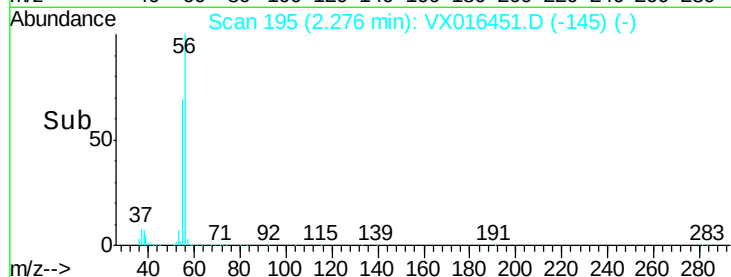
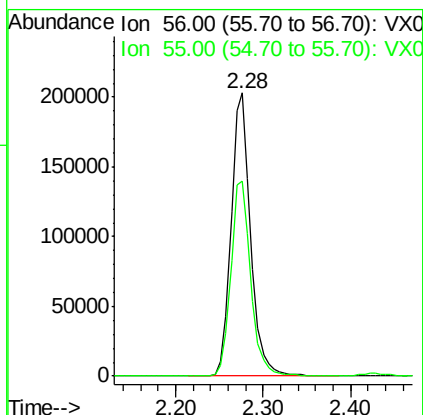
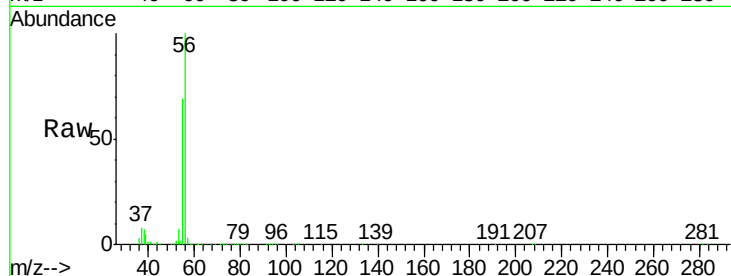
Ion Ratio Lower Upper

56 100

55 70.7 58.3 87.5

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#14

Allyl chloride

Concen: 135.764 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

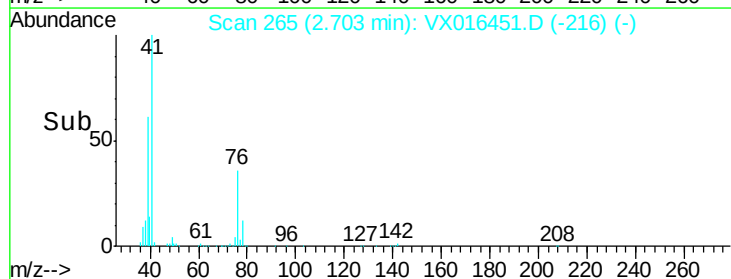
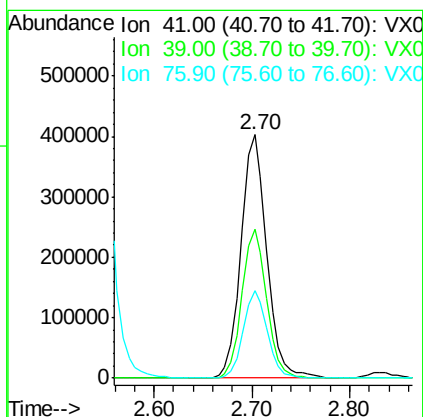
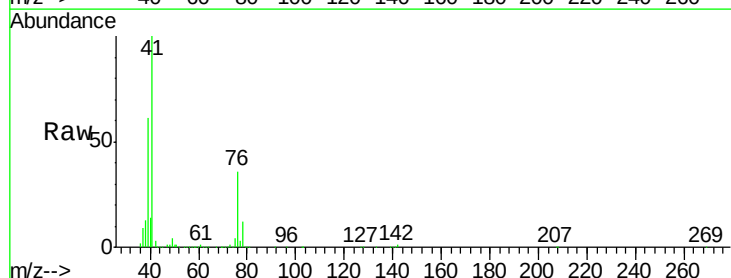
Tgt Ion: 41 Resp: 733472

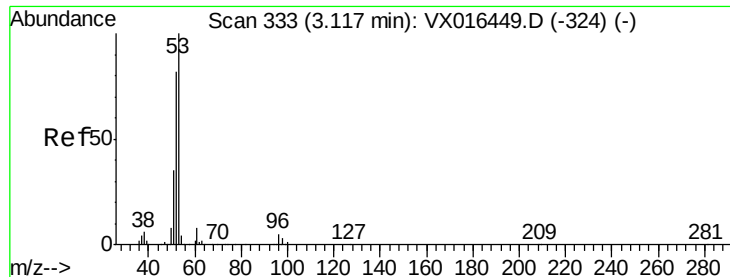
Ion Ratio Lower Upper

41 100

39 58.8 47.7 71.5

76 33.6 26.6 40.0





#15

Acrylonitrile

Concen: 716.451 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1410088

Ion Ratio Lower Upper

53 100

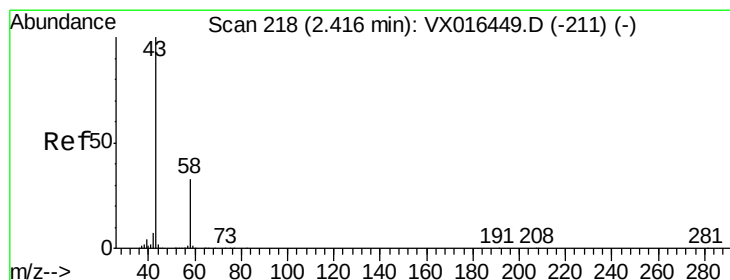
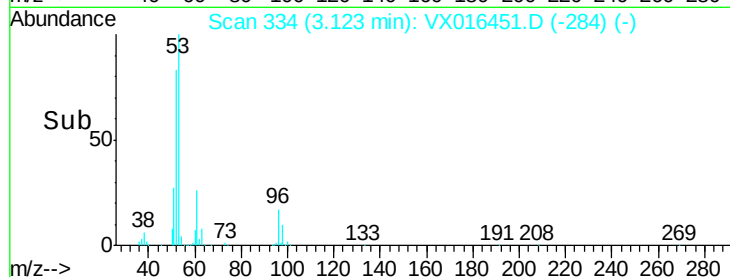
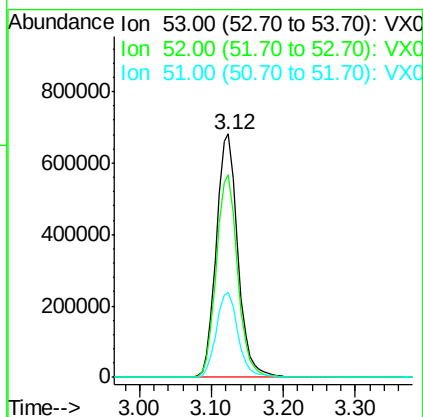
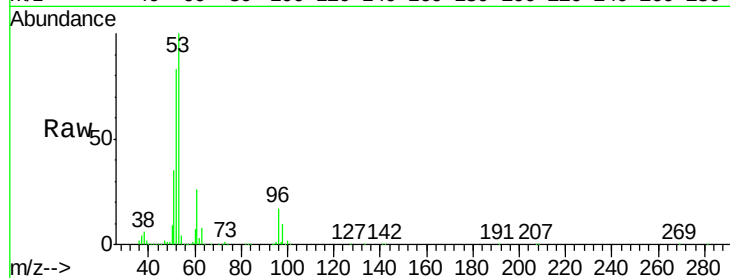
52 82.6 66.7 100.1

51 35.4 28.6 43.0

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#16

Acetone

Concen: 673.894 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016451.D

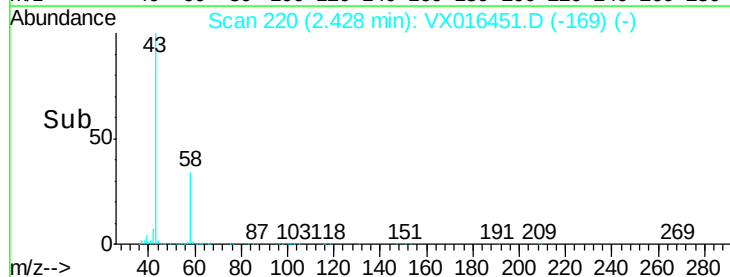
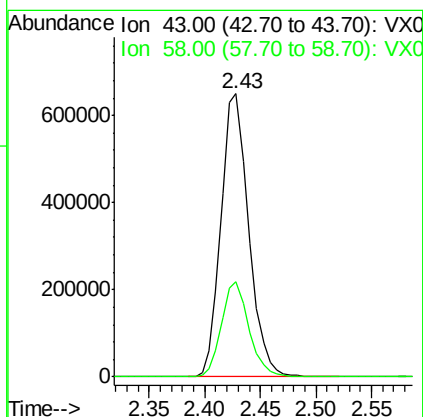
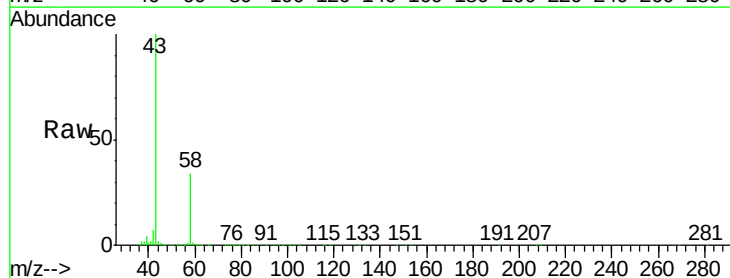
Acq: 27 May 2020 16:13

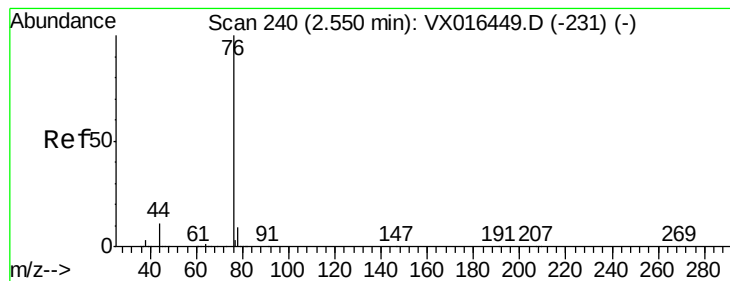
Tgt Ion: 43 Resp: 1123517

Ion Ratio Lower Upper

43 100

58 33.6 26.1 39.1





#17

Carbon Disulfide

Concen: 117.798 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 1176743

Ion Ratio Lower Upper

76 100

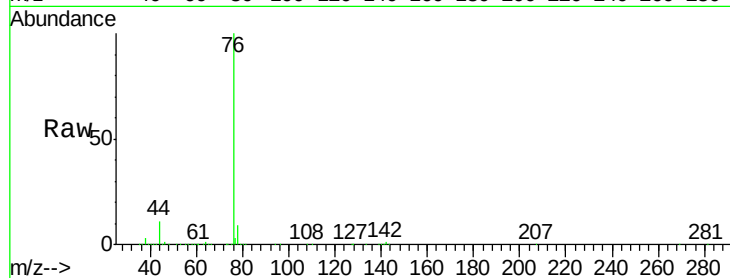
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

800000

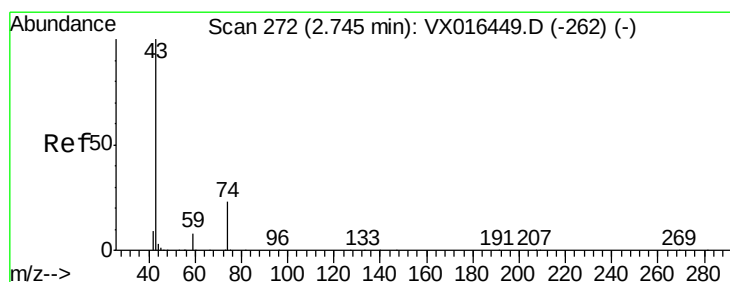
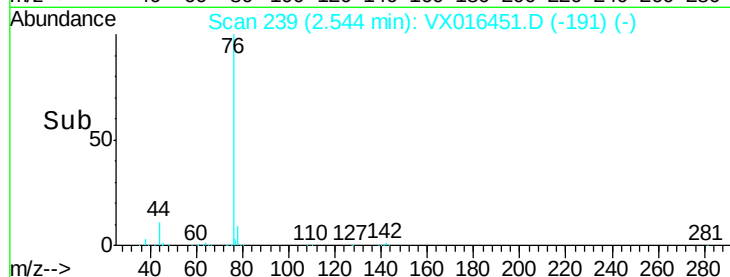
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 141.508 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016451.D

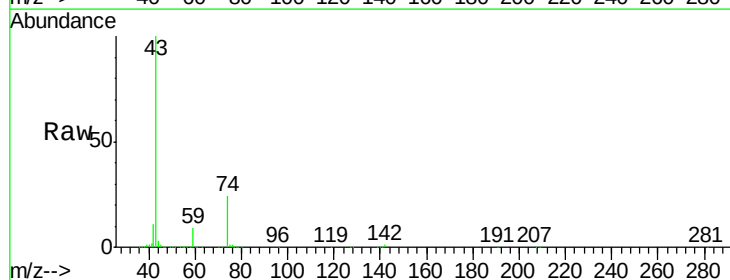
Acq: 27 May 2020 16:13

Tgt Ion: 43 Resp: 584738

Ion Ratio Lower Upper

43 100

74 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

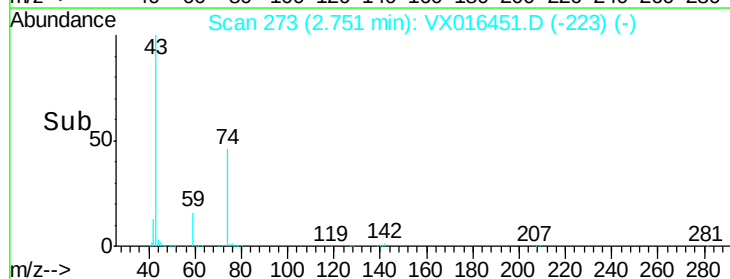
300000

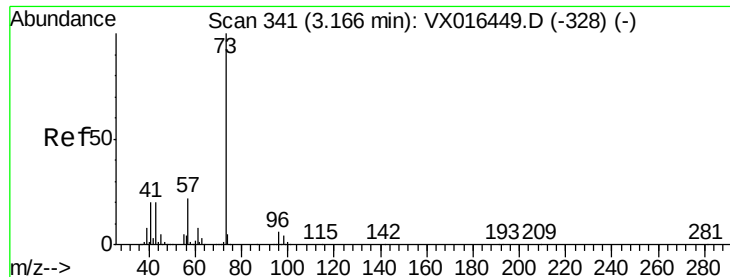
200000

100000

0

Time-->





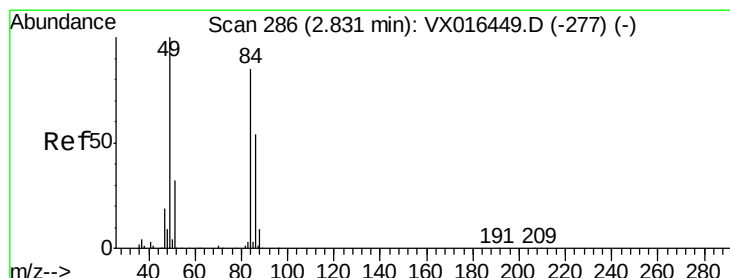
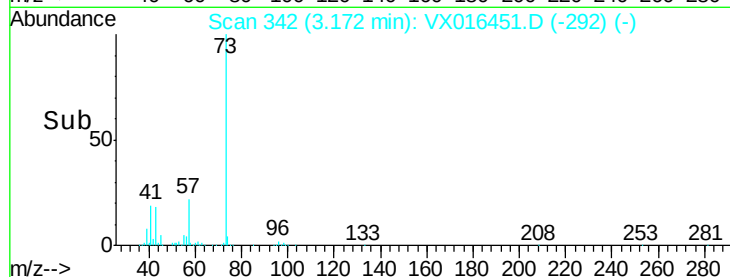
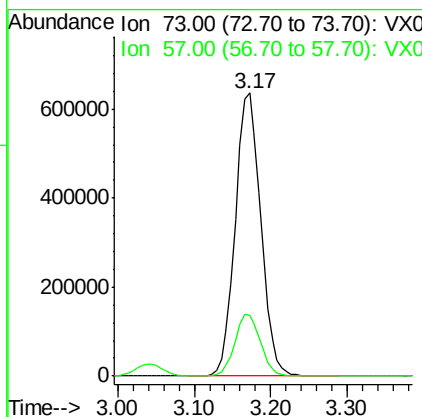
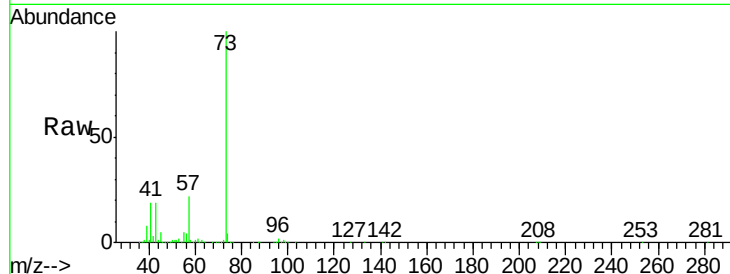
#19
Methyl tert-butyl Ether
Concen: 143.784 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1468913
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.6

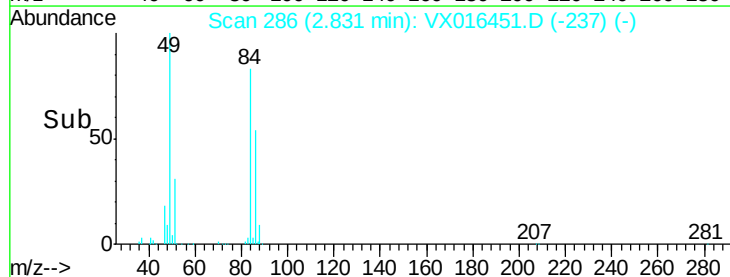
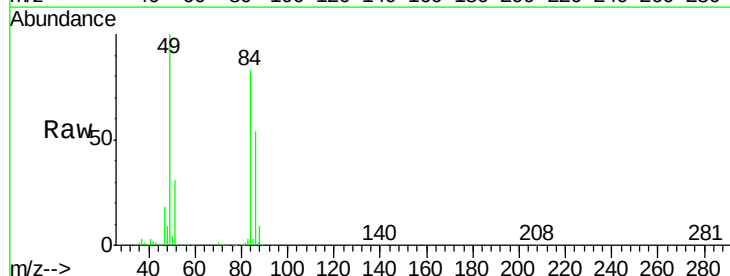
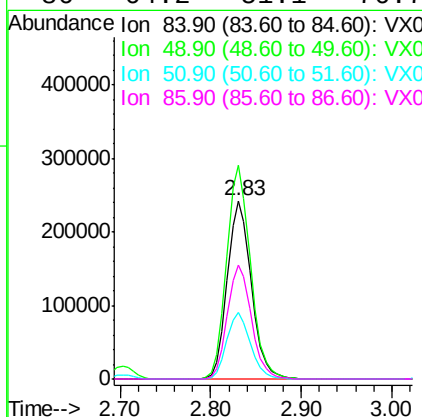
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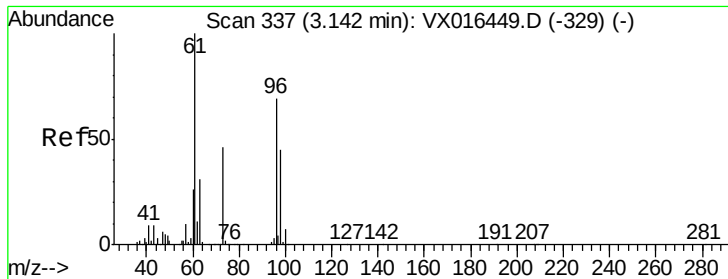
MMDadoda
5/28/2020 2:10:30 PM



#20
Methylene Chloride
Concen: 129.598 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion: 84 Resp: 445901
Ion Ratio Lower Upper
84 100
49 119.9 94.5 141.7
51 37.1 30.2 45.4
86 64.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 134.775 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

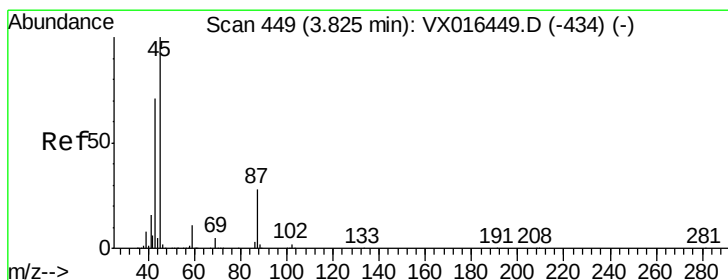
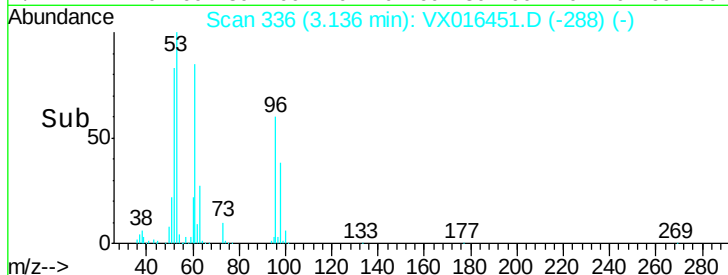
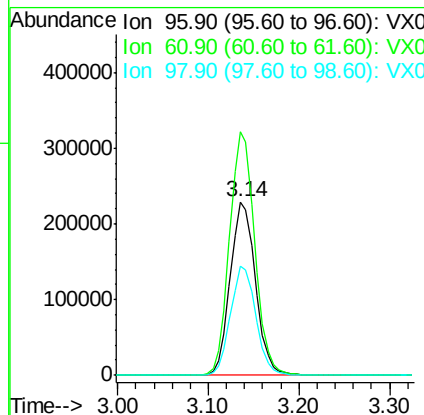
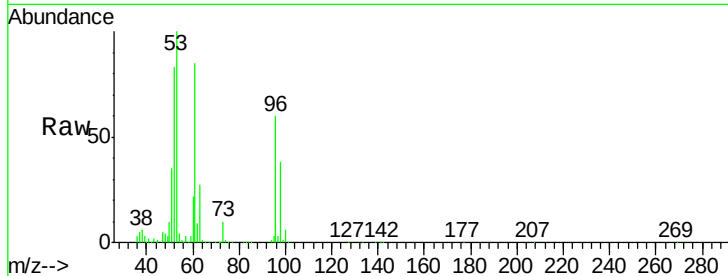
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	444011
Ion	Ratio	Lower	Upper
96	100		
61	140.3	115.3	172.9
98	62.8	51.9	77.9

Manual Integrations
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5/28/2020 2:10:30 PM



#22

Diisopropyl ether

Concen: 138.213 ug/l

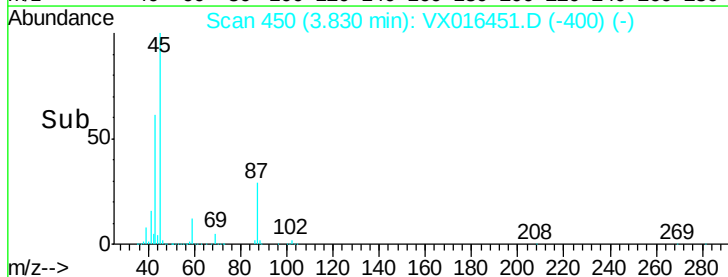
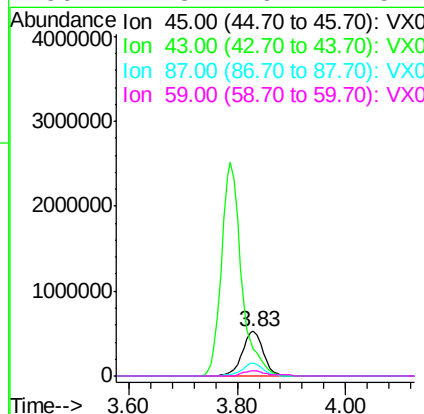
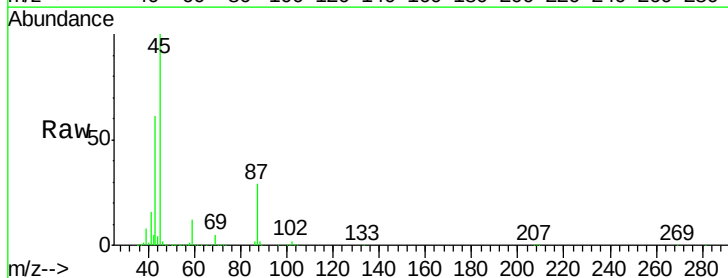
RT: 3.83 min Scan# 450

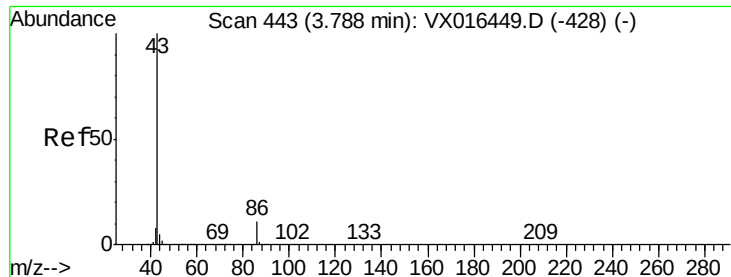
Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Tgt Ion:	45	Resp:	1417959
Ion	Ratio	Lower	Upper
45	100		
43	61.3	57.0	85.6
87	28.7	22.5	33.7
59	12.3	9.1	13.7





#23

Vinyl Acetate

Concen: 710.698 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 6406517

Ion Ratio Lower Upper

43 100

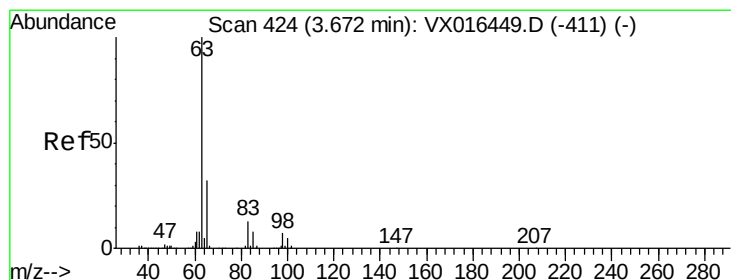
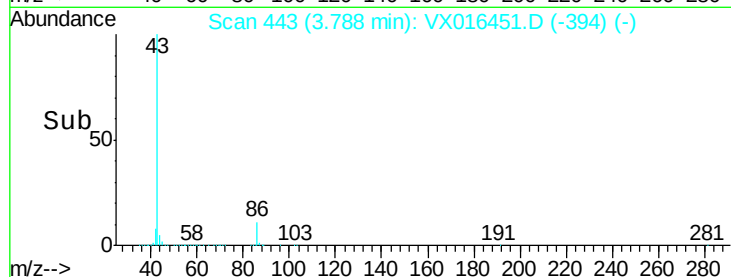
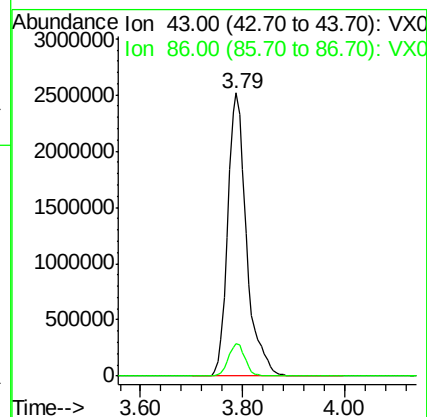
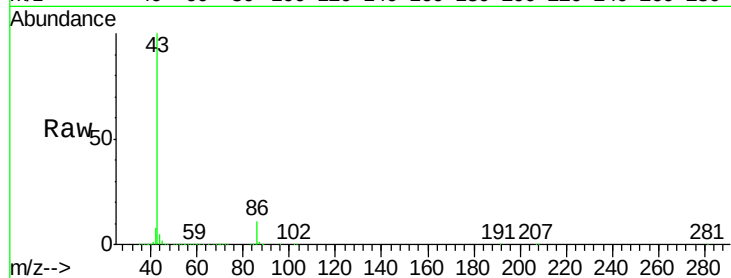
86 11.4 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 139.056 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

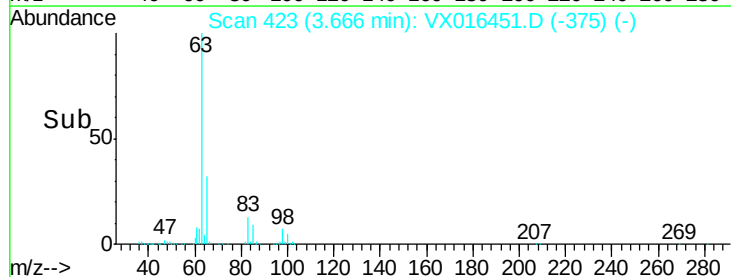
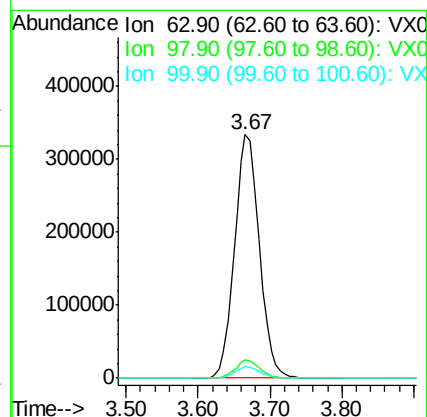
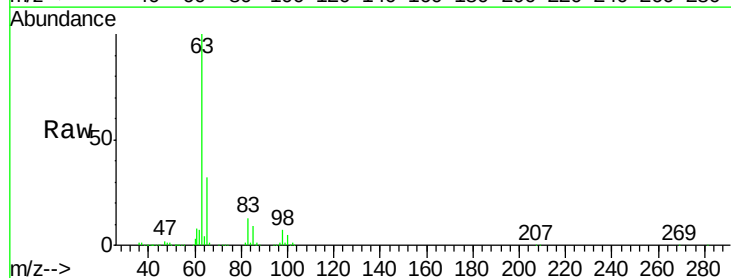
Tgt Ion: 63 Resp: 797647

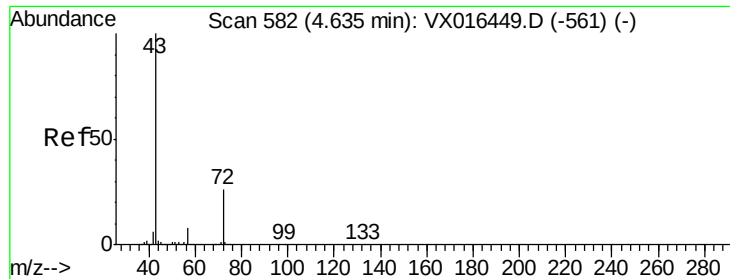
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 739.849 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2002088

Ion Ratio Lower Upper

43 100

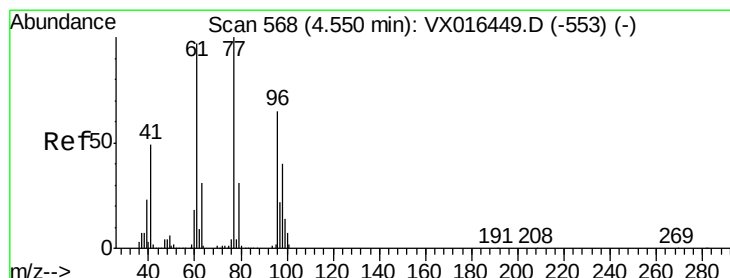
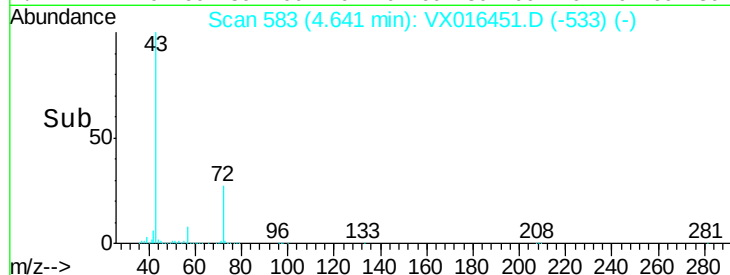
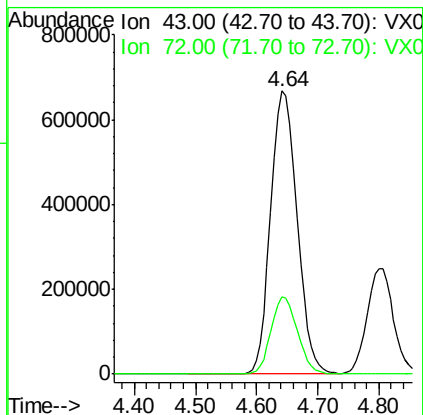
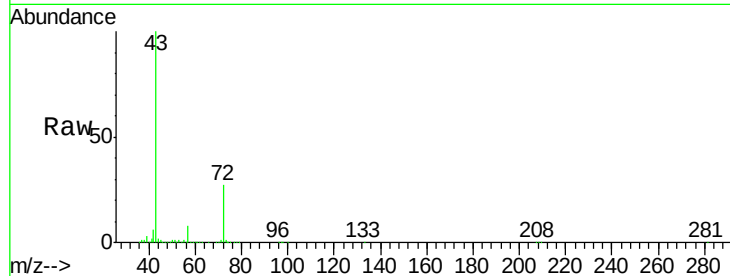
72 27.2 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 126.484 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016451.D

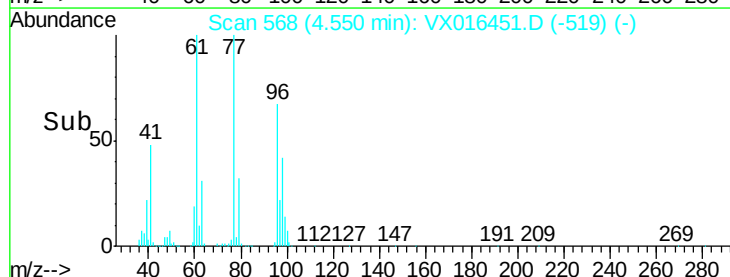
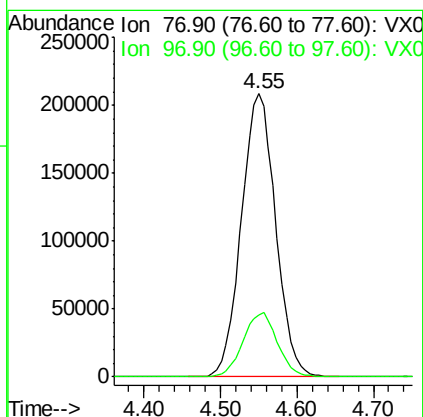
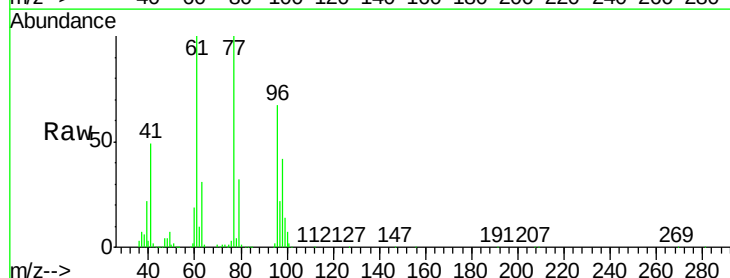
Acq: 27 May 2020 16:13

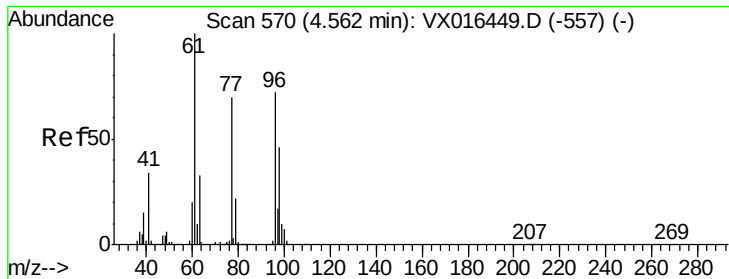
Tgt Ion: 77 Resp: 648738

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

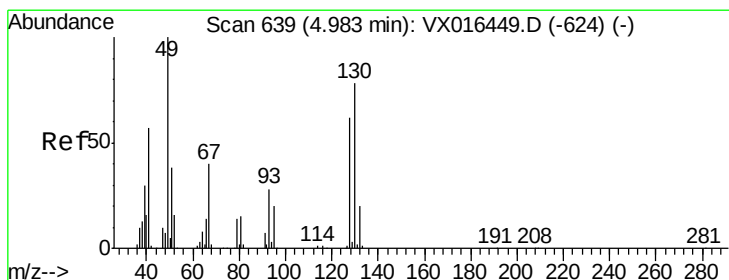
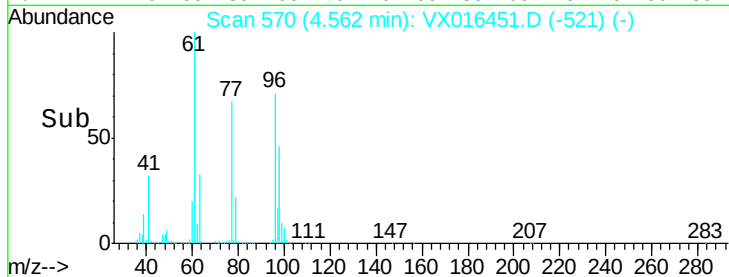
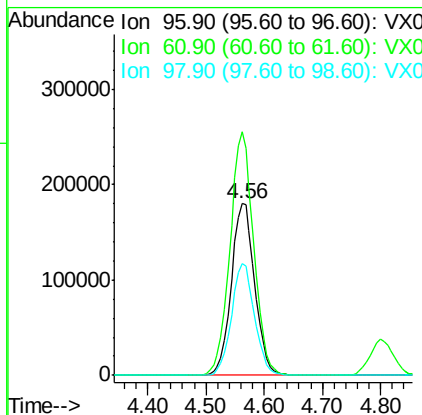
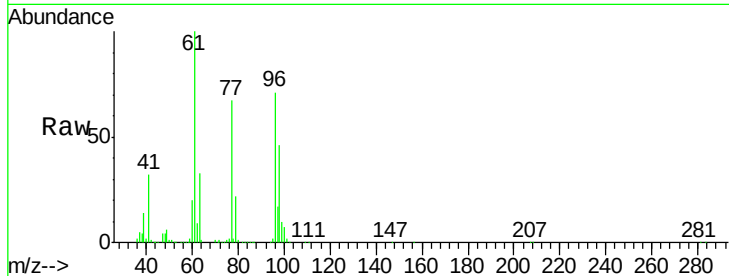
cis-1,2-Dichloroethene
Concen: 139.036 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.9	0.0	284.6	
98	64.2	0.0	127.2	

Manual Integrations
APPROVED

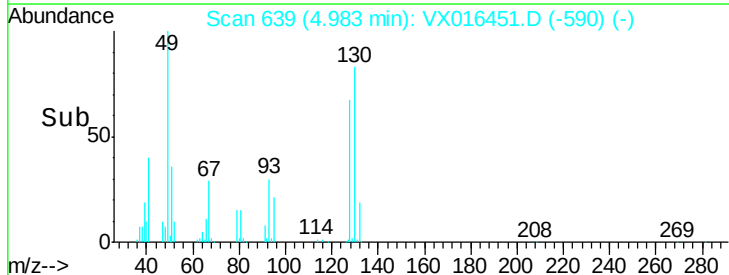
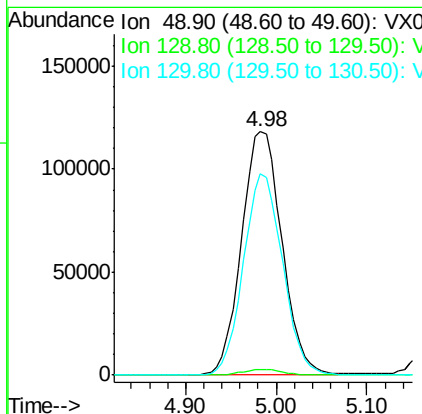
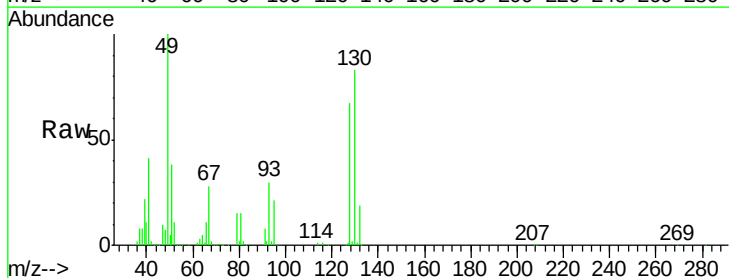
MMDadoda
5/28/2020 2:10:30 PM

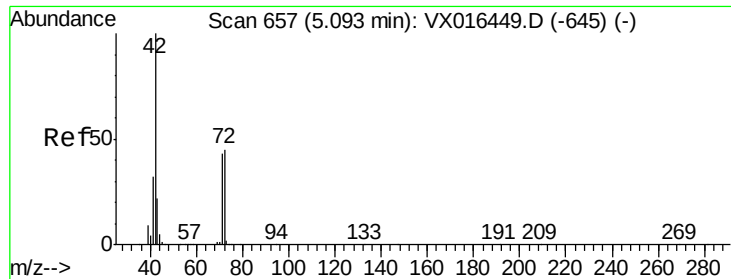


#28

Bromochloromethane
Concen: 140.325 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.0	
130	80.2	63.0	94.4	





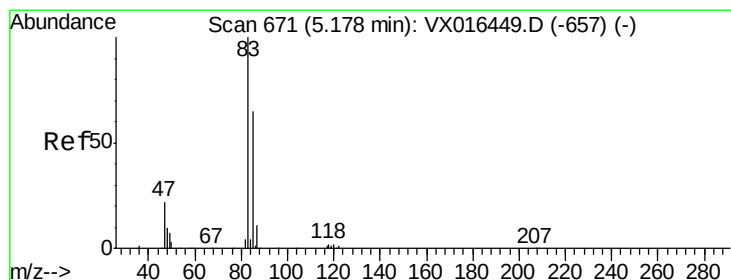
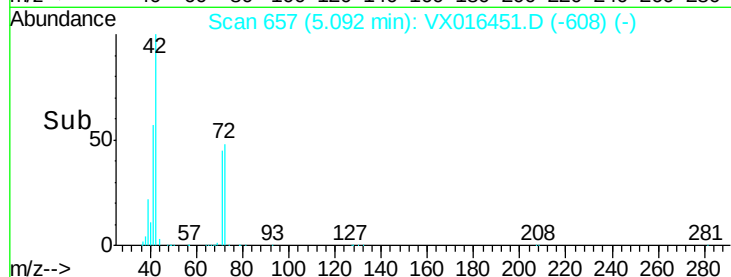
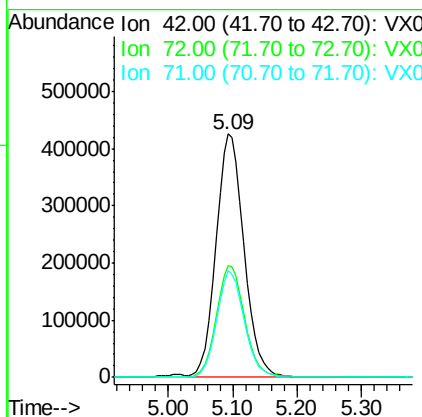
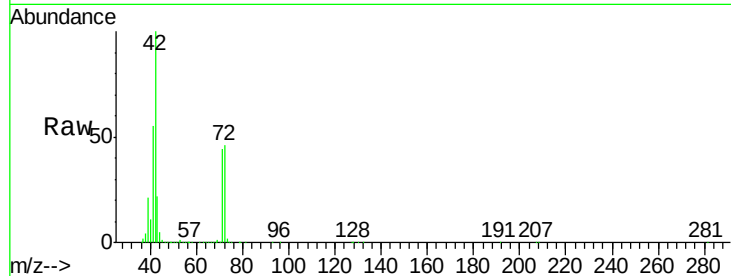
#29
Tetrahydrofuran
Concen: 724.430 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1297281
Ion Ratio Lower Upper
42 100
72 46.6 37.0 55.4
71 43.1 34.1 51.1

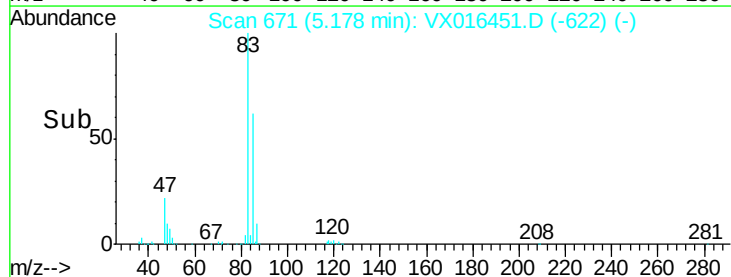
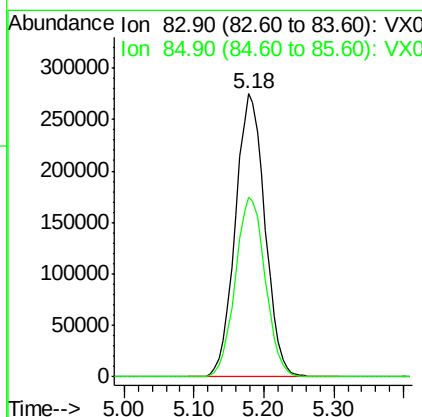
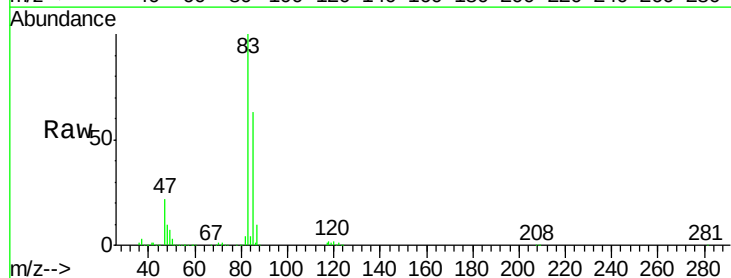
Manual Integrations
APPROVED

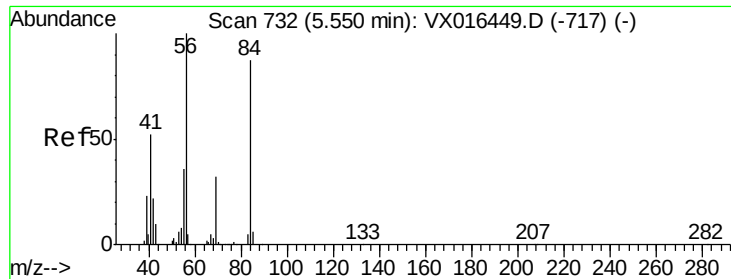
MMDadoda
5/28/2020 2:10:30 PM



#30
Chloroform
Concen: 141.157 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion: 83 Resp: 805788
Ion Ratio Lower Upper
83 100
85 63.5 52.0 78.0





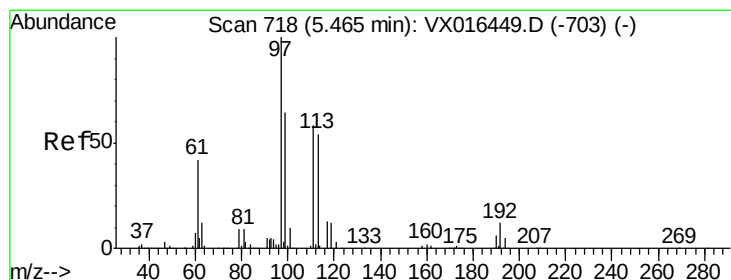
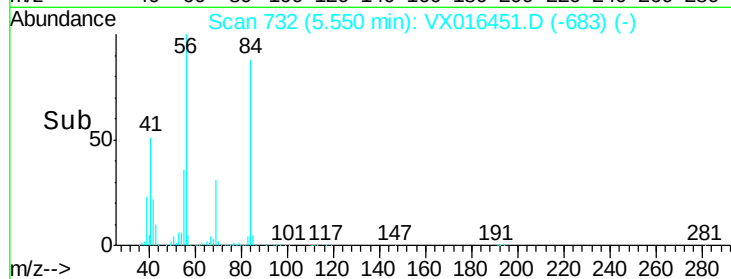
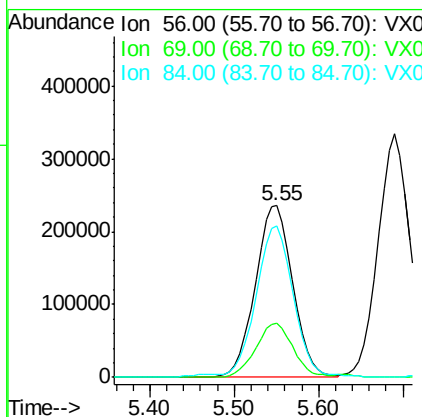
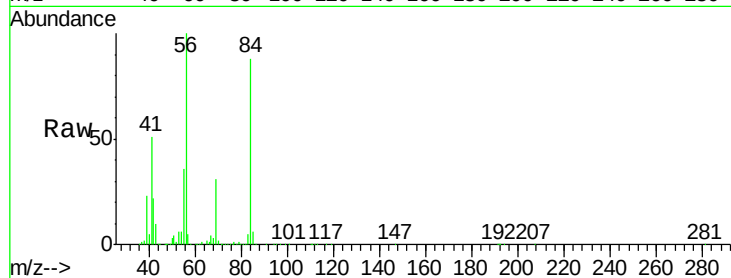
#31
Cyclohexane
Concen: 139.897 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.7	38.5
84	87.2	70.0	105.0

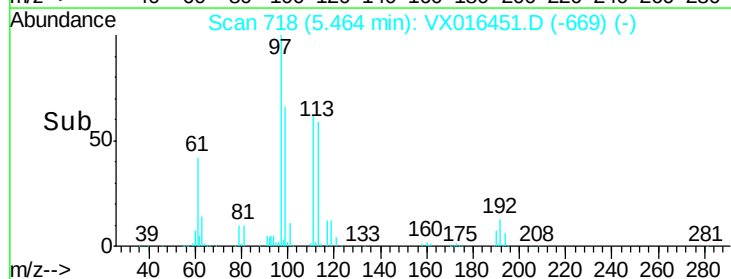
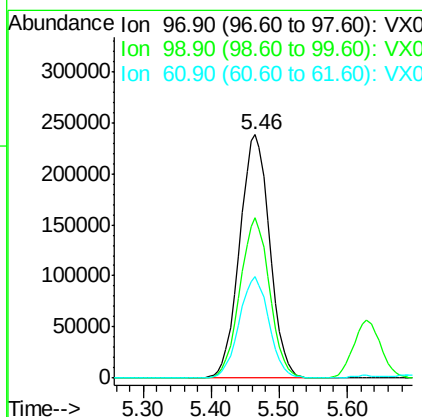
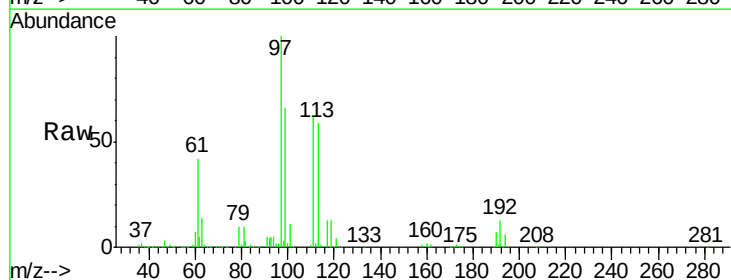
Manual Integrations
APPROVED

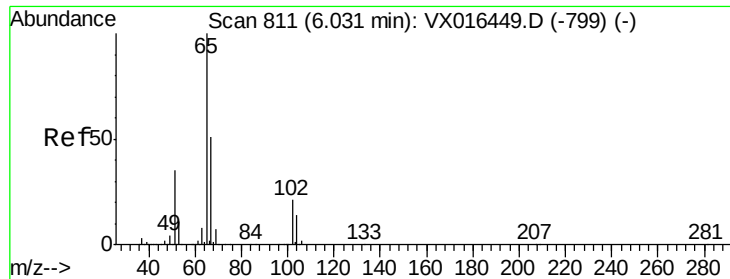
MMDadoda
5/28/2020 2:10:30 PM



#32
1,1,1-Trichloroethane
Concen: 140.967 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	41.4	33.5	50.3





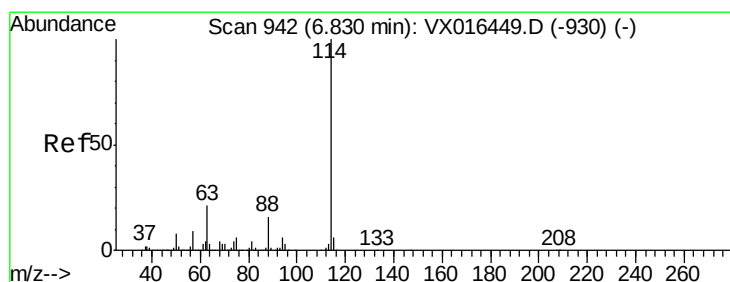
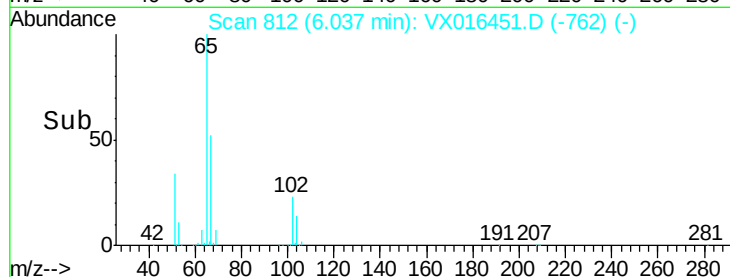
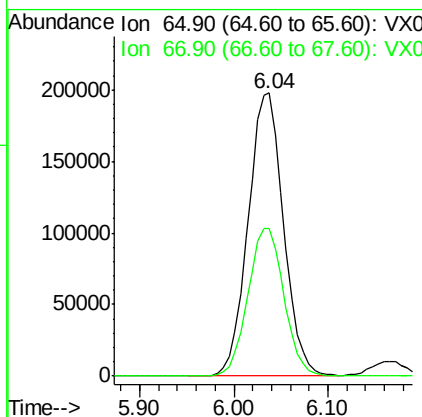
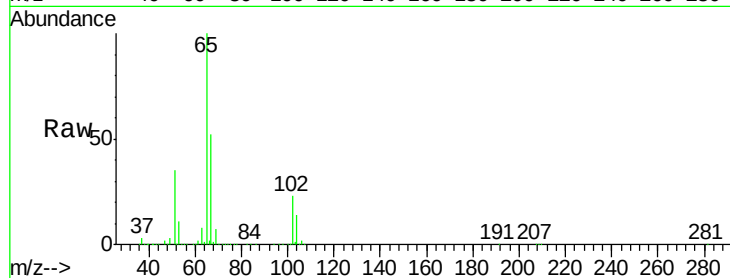
#33
 1,2-Dichloroethane-d4
 Concen: 138.218 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	518943		
67	53.2	0.0	104.8	

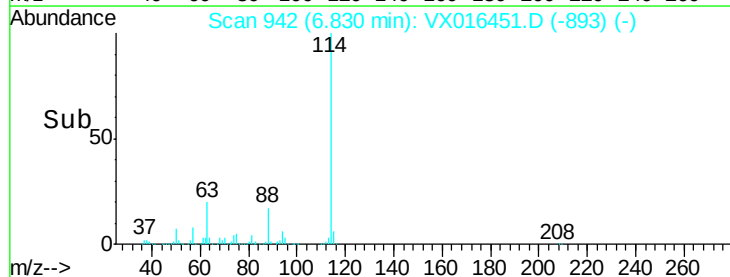
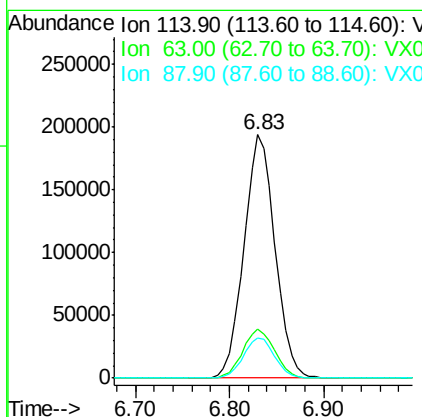
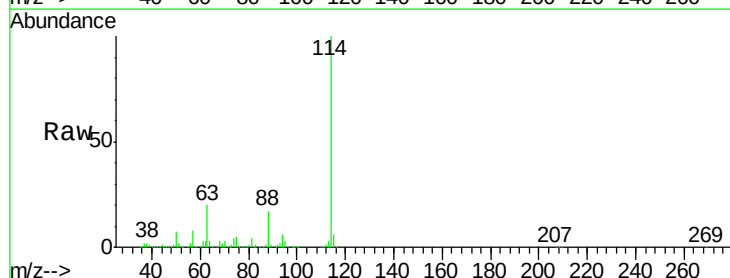
Manual Integrations
 APPROVED

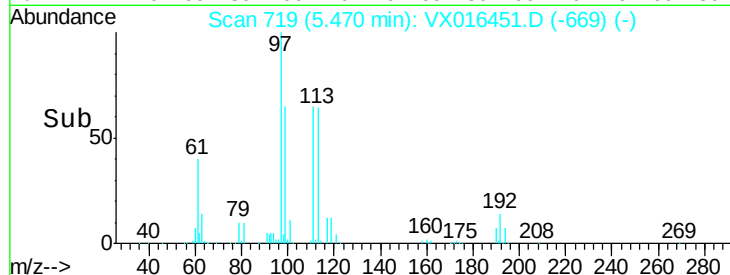
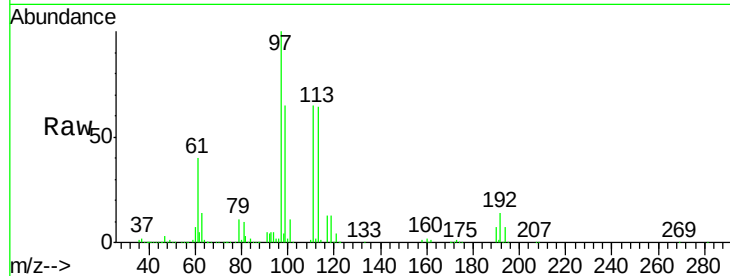
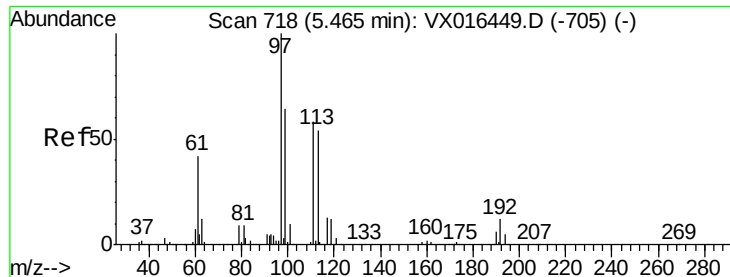
MMDadoda
 5/28/2020 2:10:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	447595		
63	20.2	0.0	42.6	
88	16.7	0.0	32.8	





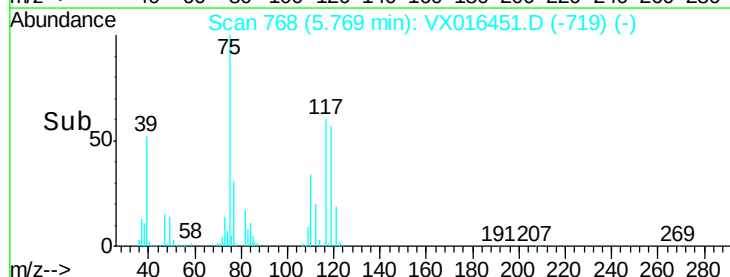
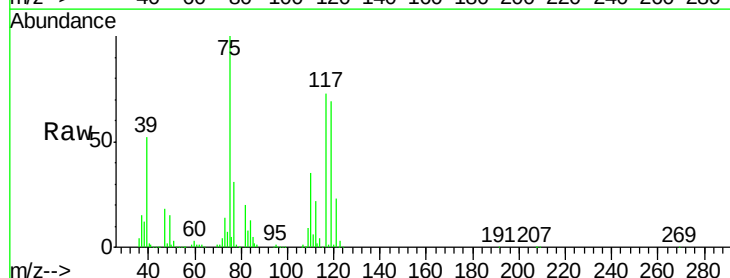
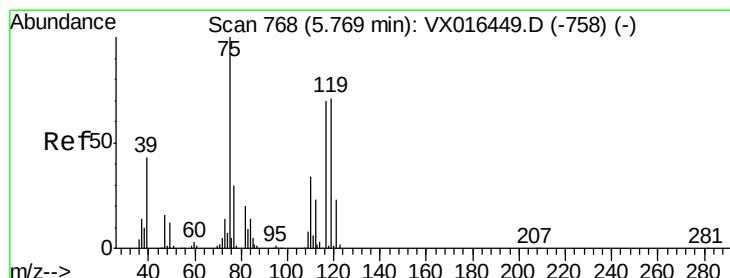
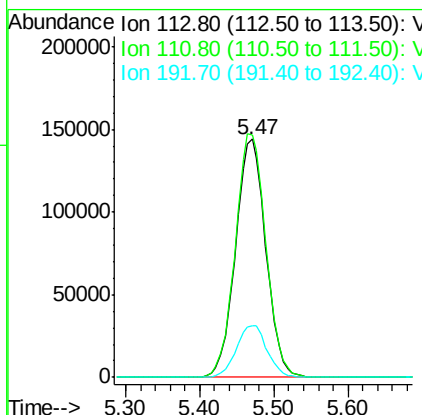
#35
Dibromofluoromethane
Concen: 144.098 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tot Ion	Ratio	Resp	Lower	Upper
113	100	410270		
111	103.5	83.0	124.6	
192	22.1	17.7	26.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

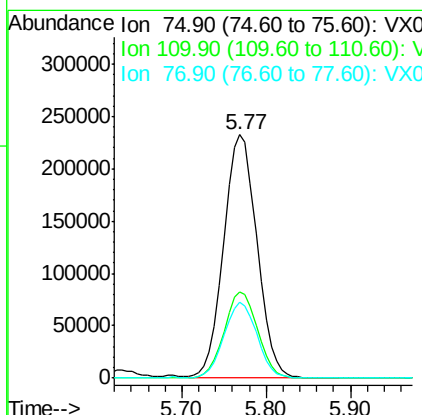
Manual Integrations
APPROVED

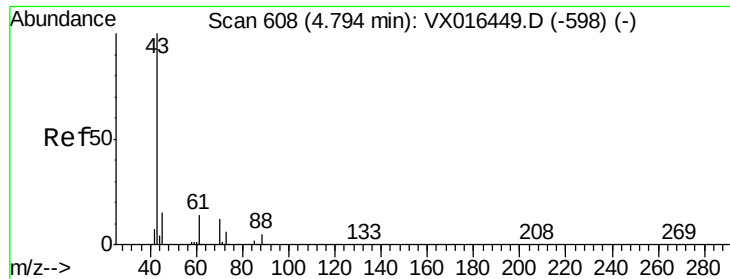
MMDadoda
5/28/2020 2:10:30 PM



#36
1,1-Dichloropropene
Concen: 141.854 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	626276		
110	35.5	17.4	52.3	
77	30.9	24.2	36.4	





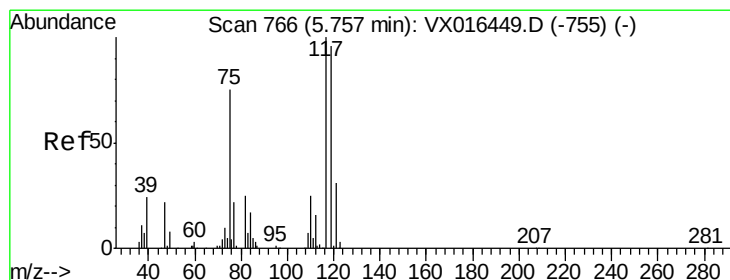
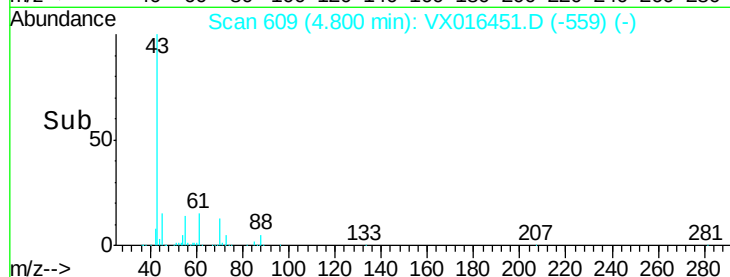
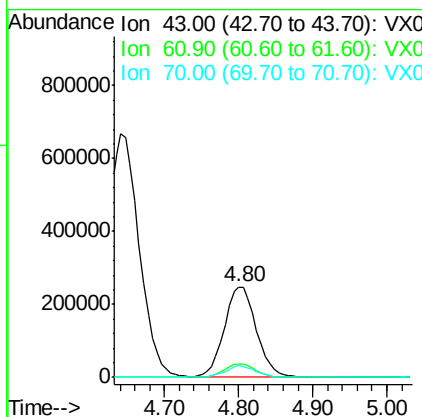
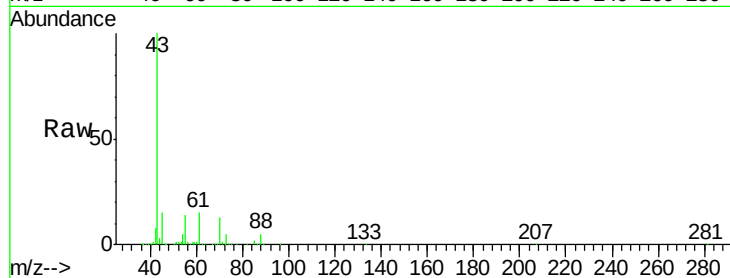
#37
Ethyl Acetate
Concen: 145.984 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:	43	Resp:	748172
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	12.0	9.3	13.9

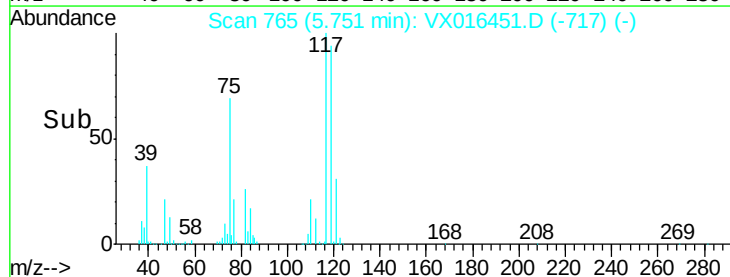
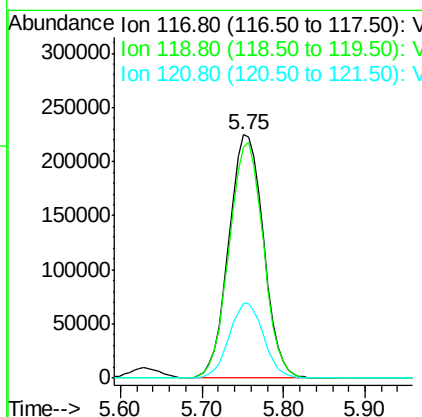
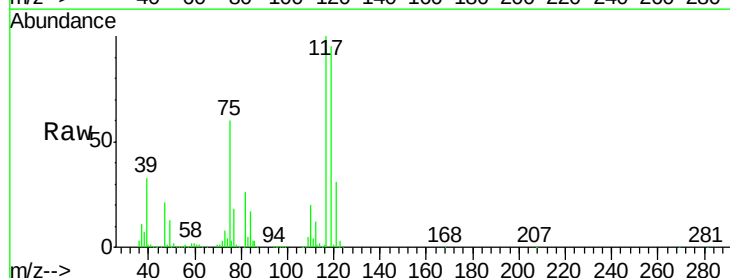
Manual Integrations
APPROVED

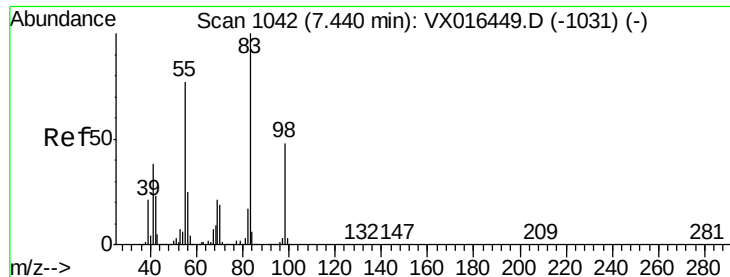
MMDadoda
5/28/2020 2:10:30 PM



#38
Carbon Tetrachloride
Concen: 146.831 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion:	117	Resp:	661008
Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.3	114.5
121	30.7	24.6	37.0





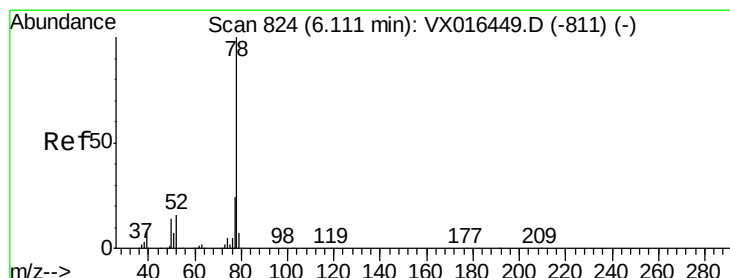
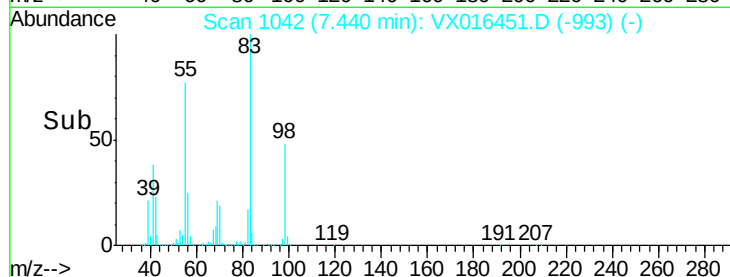
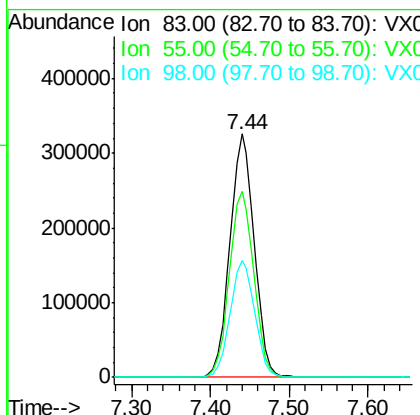
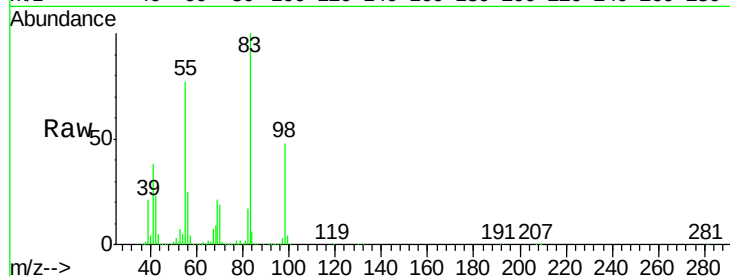
#39
Methylvlcyclohexane
Concen: 133.563 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	696943		
55	76.6		61.7	92.5
98	47.8		38.7	58.1

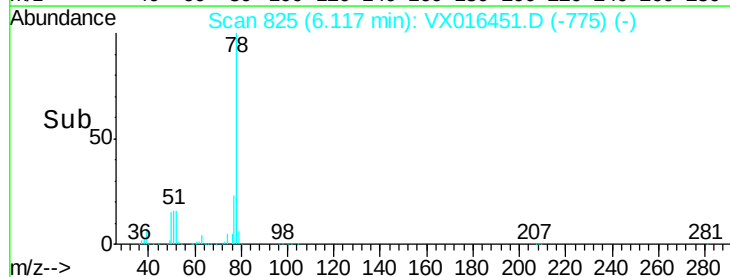
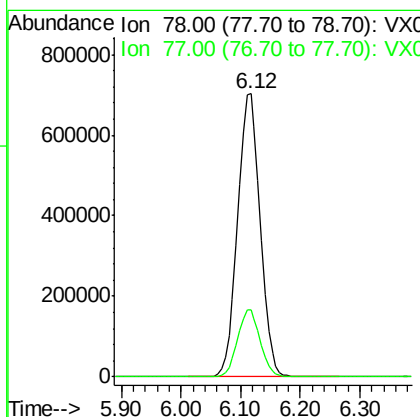
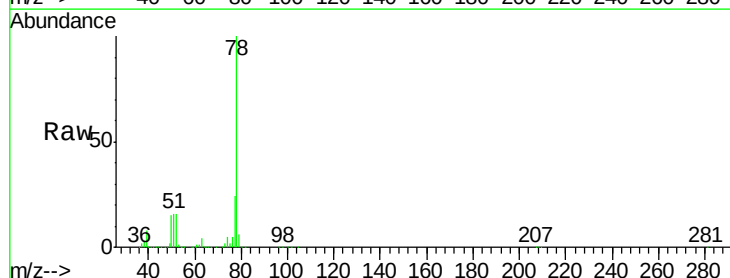
Manual Integrations
APPROVED

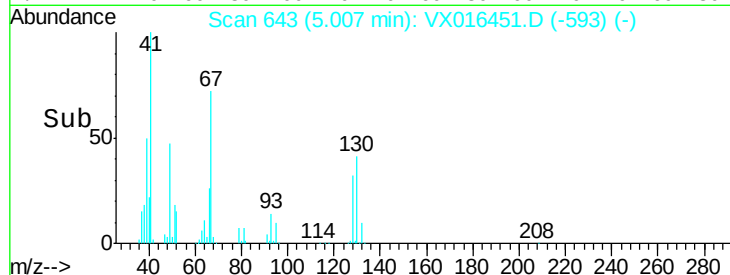
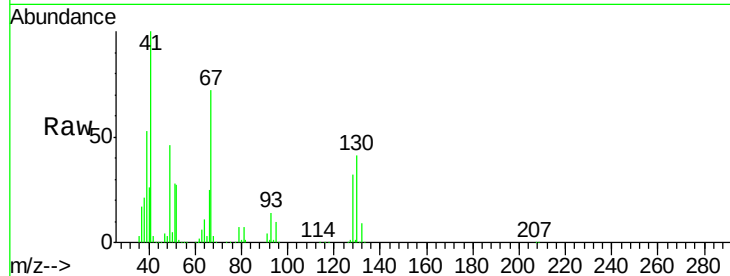
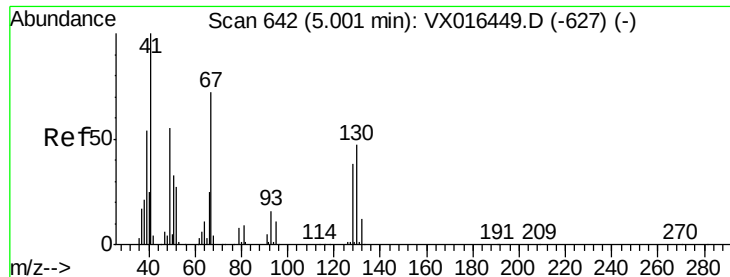
MMDadoda
5/28/2020 2:10:30 PM



#40
Benzene
Concen: 142.880 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1849797		
77	23.6		18.9	28.3





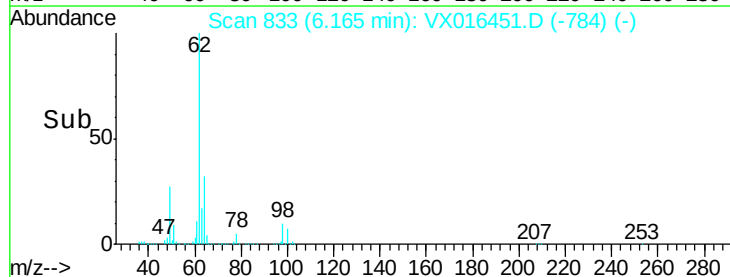
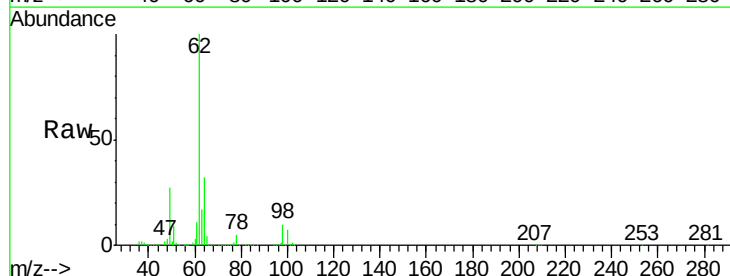
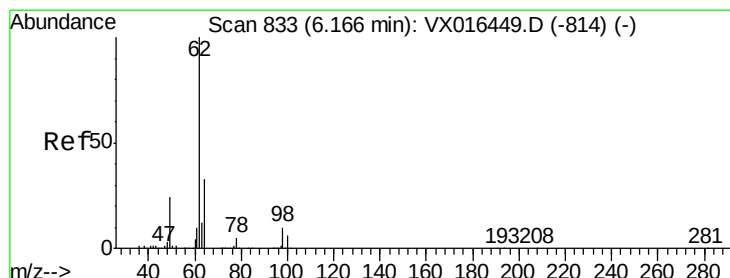
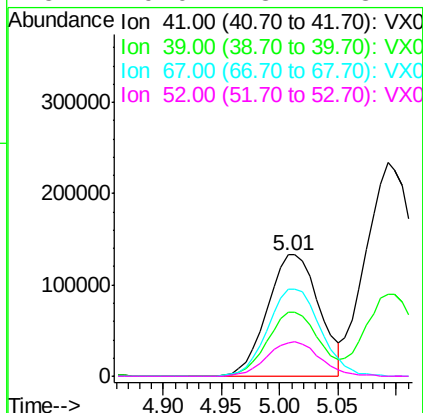
#41
Methacrylonitrile
Concen: 148.303 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		409653		
39	52.2	43.0	64.4		
67	73.2	58.9	88.3		
52	29.0	23.1	34.7		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

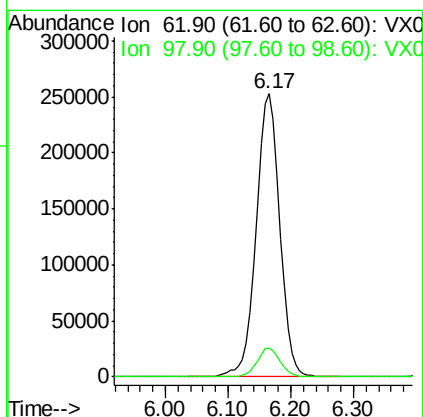
Manual Integrations
APPROVED

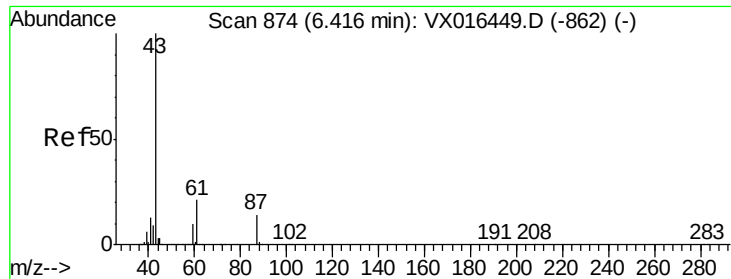
MMDadoda
5/28/2020 2:10:30 PM



#42
1,2-Dichloroethane
Concen: 140.876 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		656046		
98	9.9	0.0	19.8		





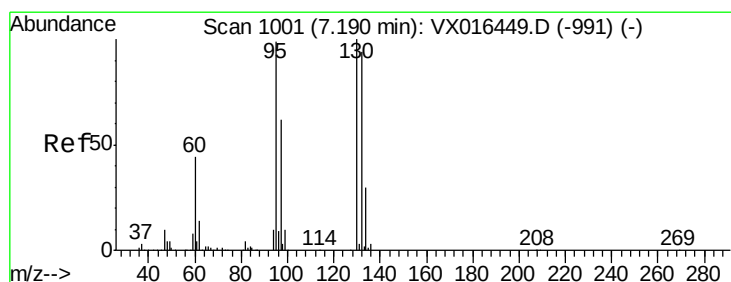
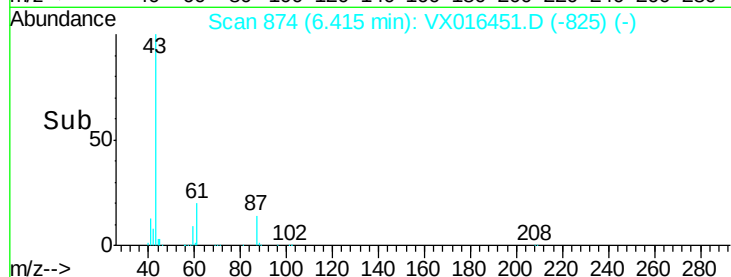
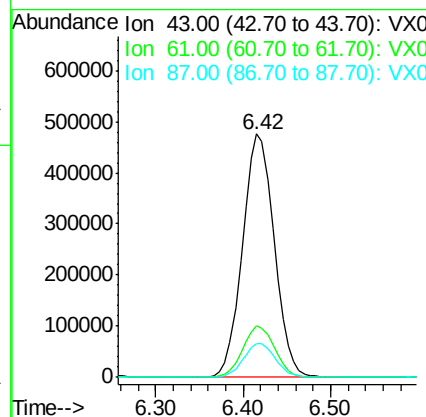
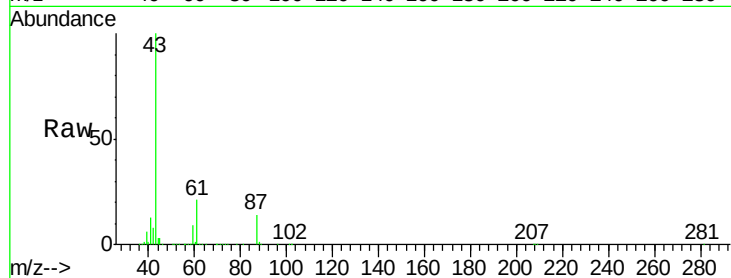
#43
Isopropyl Acetate
Concen: 146.624 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1196095
Ion Ratio Lower Upper
43 100
61 21.4 16.8 25.2
87 14.1 11.2 16.8

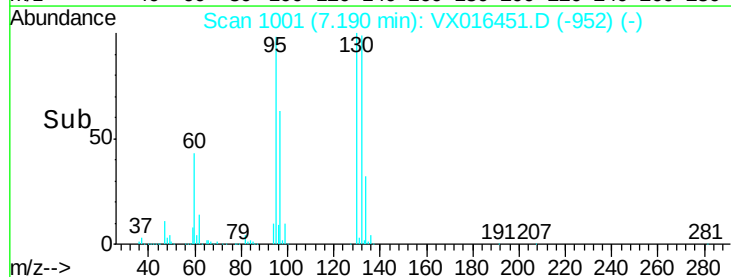
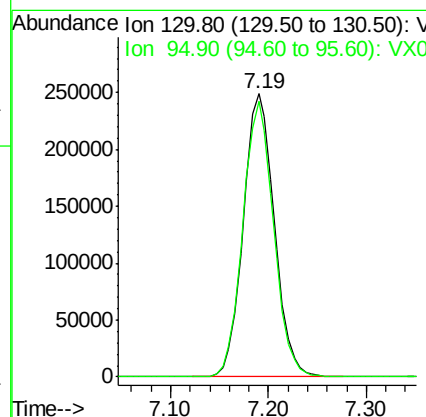
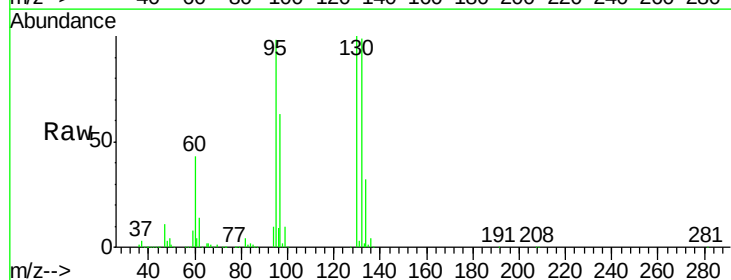
Manual Integrations
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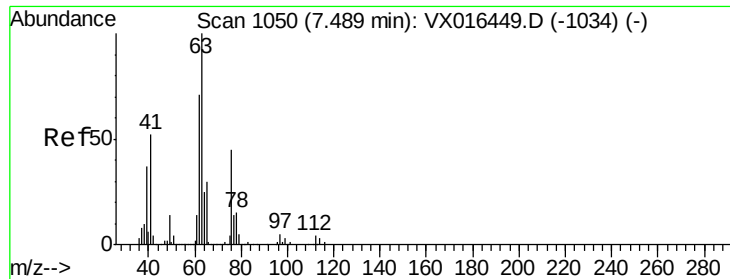
MMDadoda
5/28/2020 2:10:30 PM



#44
Trichloroethene
Concen: 121.176 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion:130 Resp: 547276
Ion Ratio Lower Upper
130 100
95 97.6 0.0 198.2





#45

1,2-Dichloropropane

Concen: 145.873 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 477116

Ion Ratio Lower Upper

63 100

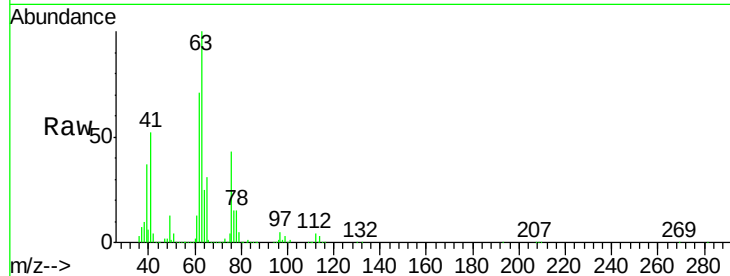
65 31.0 24.2 36.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

250000

200000

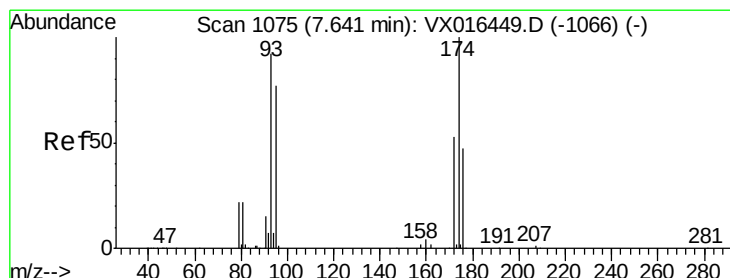
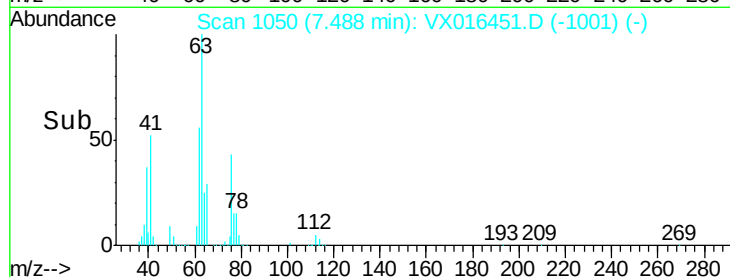
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 143.412 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

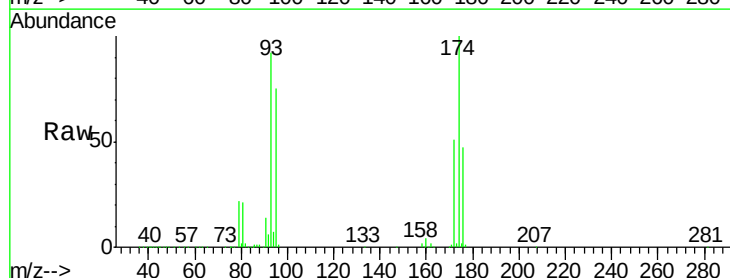
Tgt Ion: 93 Resp: 318716

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

174 108.8 86.2 129.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.64

250000

200000

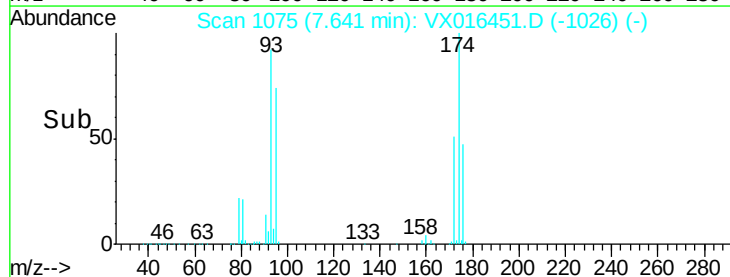
150000

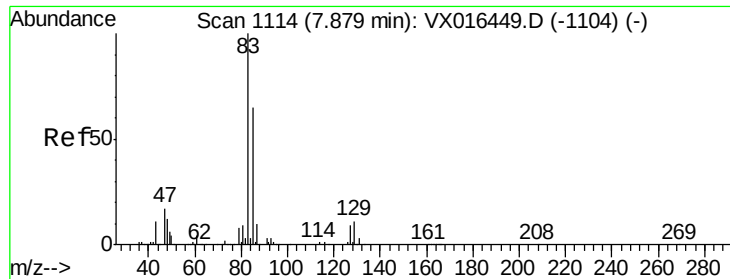
100000

50000

0

Time--> 7.50 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 149.084 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

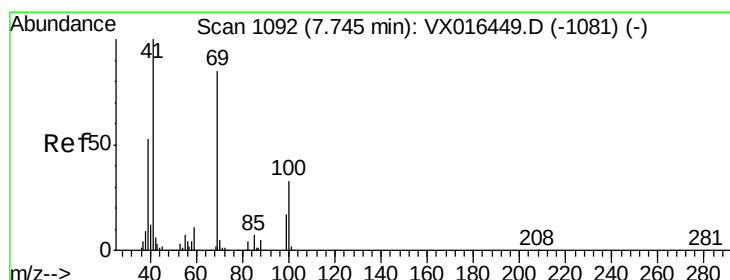
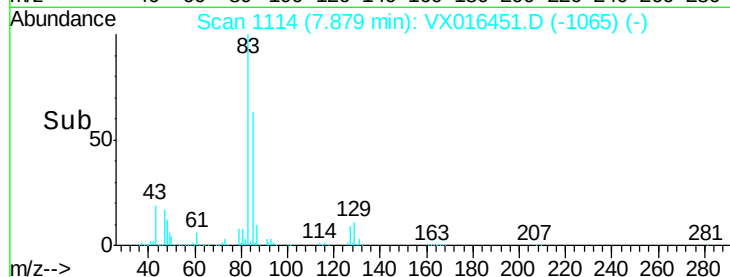
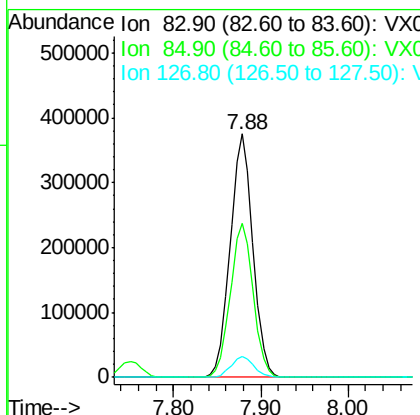
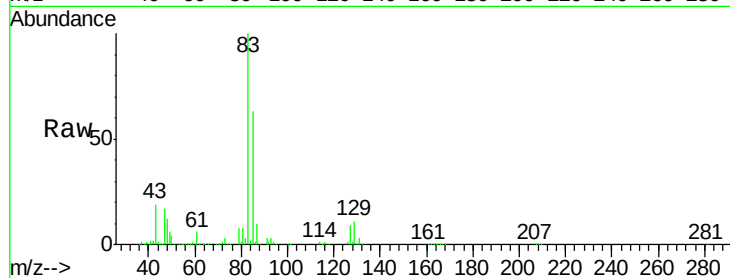
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	675108
Ion Ratio	Lower	Upper	
83	100		
85	63.1	52.0	78.0
127	8.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 152.220 ug/l

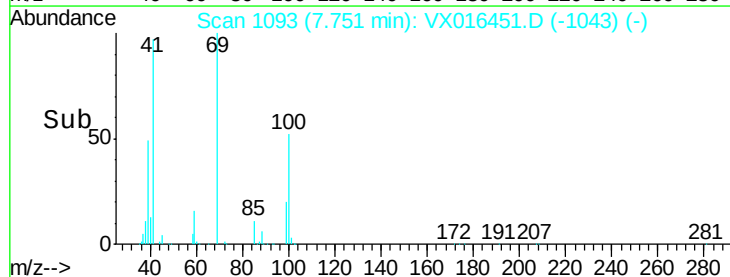
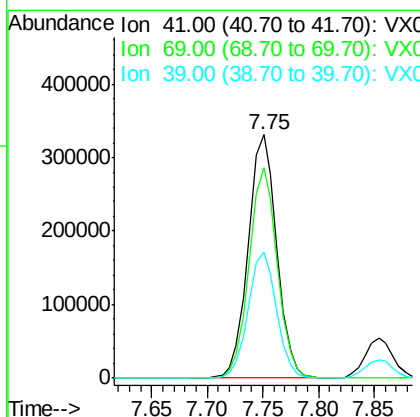
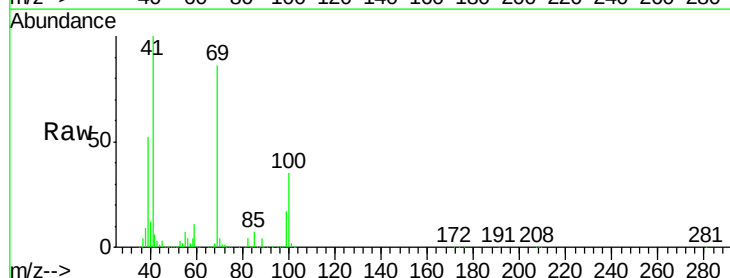
RT: 7.75 min Scan# 1093

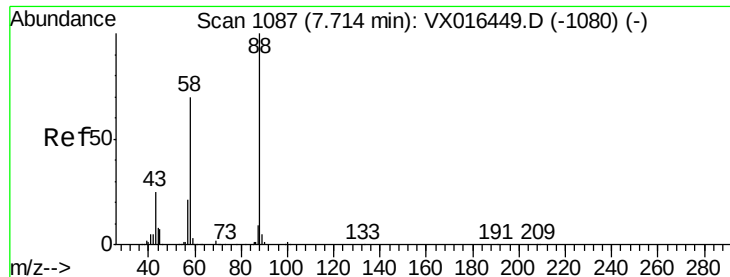
Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Tgt Ion:	41	Resp:	590146
Ion Ratio	Lower	Upper	
41	100		
69	85.6	68.6	102.8
39	51.5	42.4	63.6





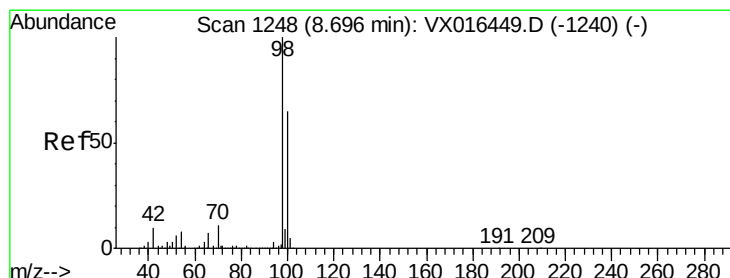
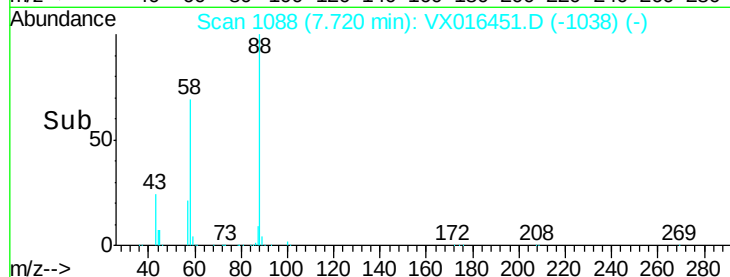
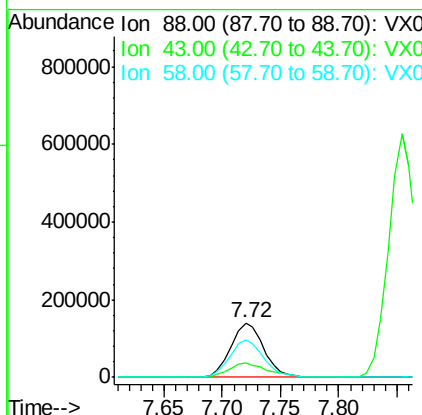
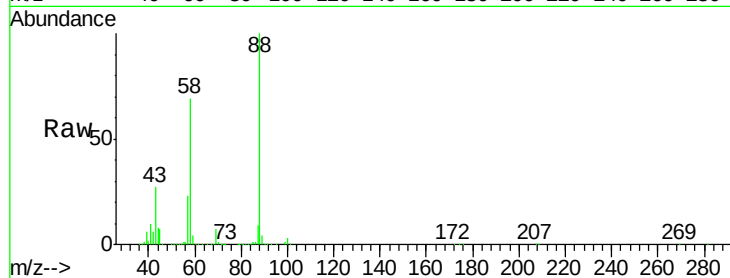
#49
1,4-Dioxane
Concen: 2960.409 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	24.2	36.4
58	71.2	56.5	84.7

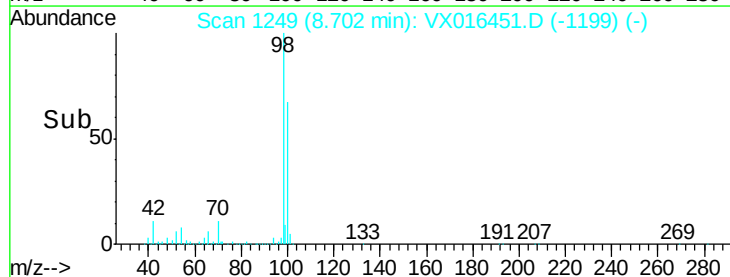
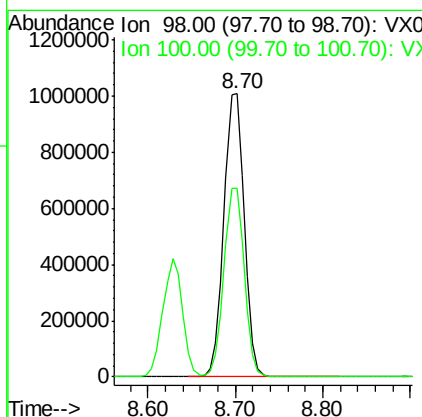
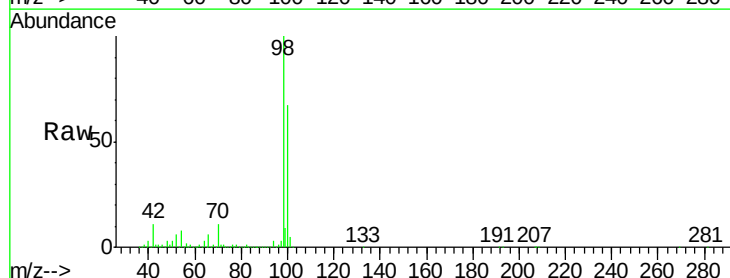
Manual Integrations
APPROVED

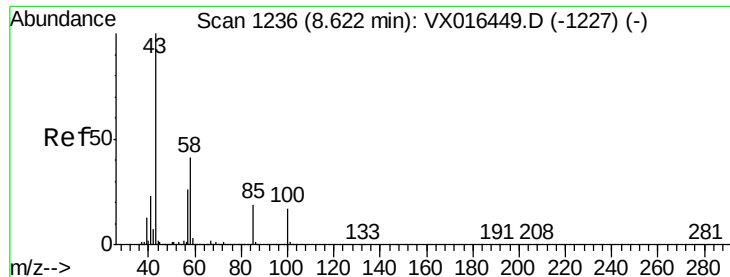
MMDadoda
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#50
Toluene-d8
Concen: 147.767 ug/l
RT: 8.70 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 759.736 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3804258

Ion Ratio Lower Upper

43 100

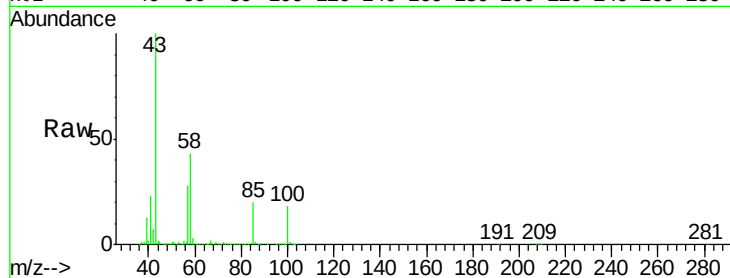
58 42.1 33.0 49.6

Manual Integrations

APPROVED

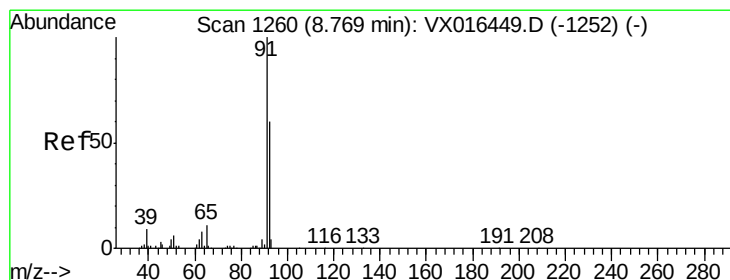
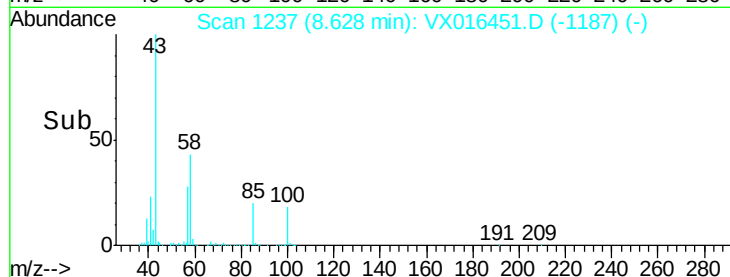
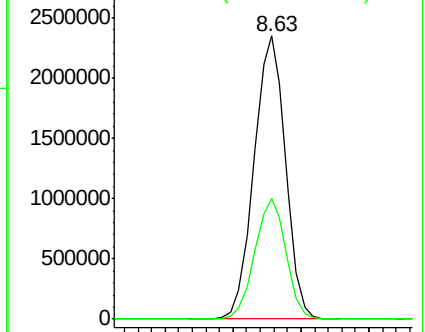
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 147.055 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016451.D

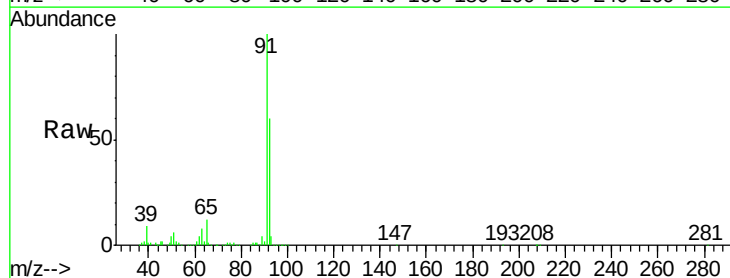
Acq: 27 May 2020 16:13

Tgt Ion: 92 Resp: 1186543

Ion Ratio Lower Upper

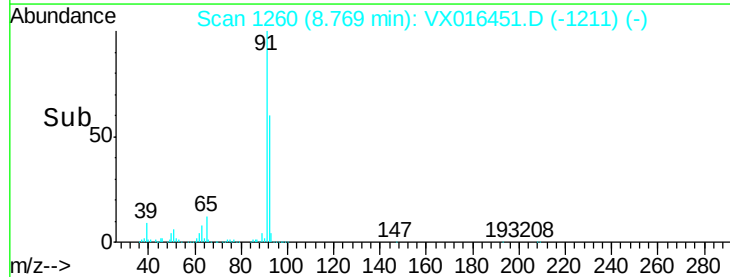
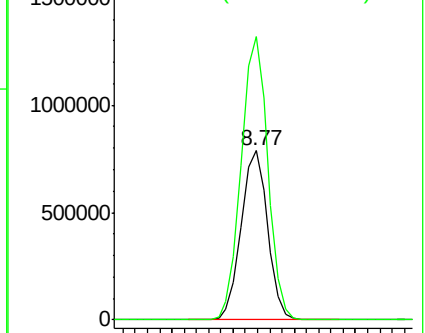
92 100

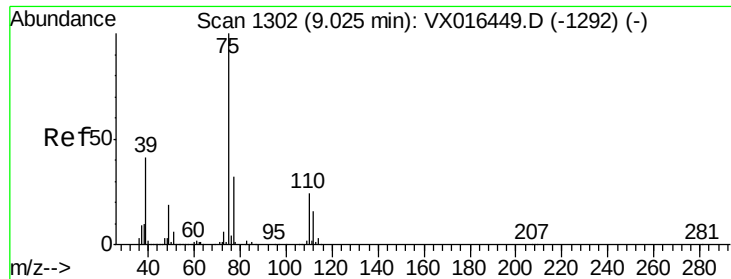
91 167.6 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





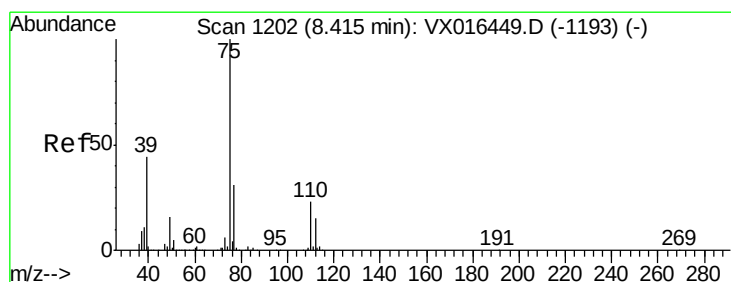
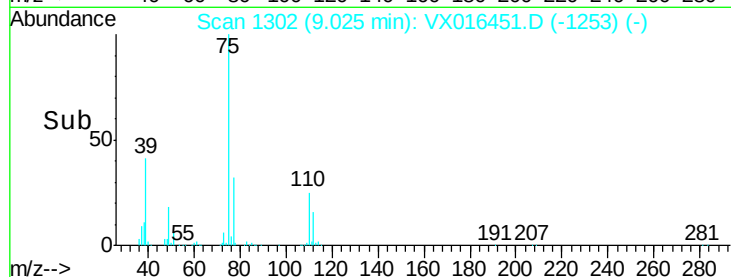
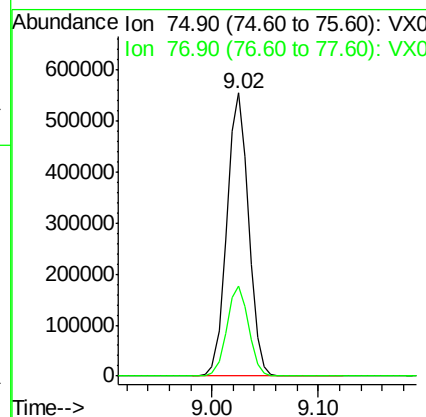
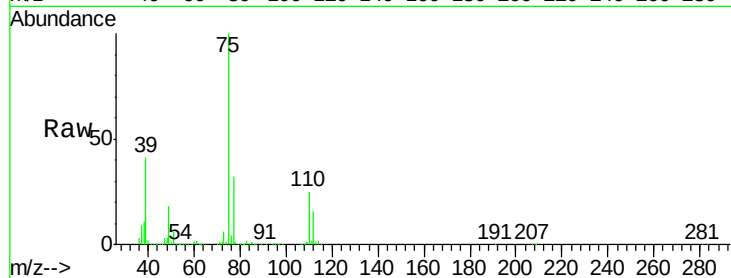
#53
t-1,3-Dichloropropene
Concen: 147.261 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

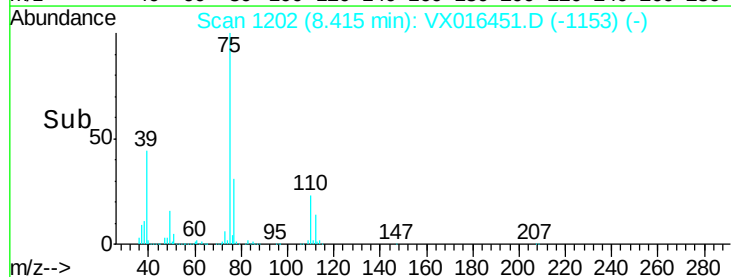
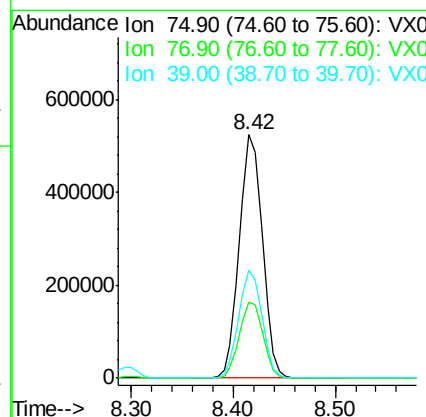
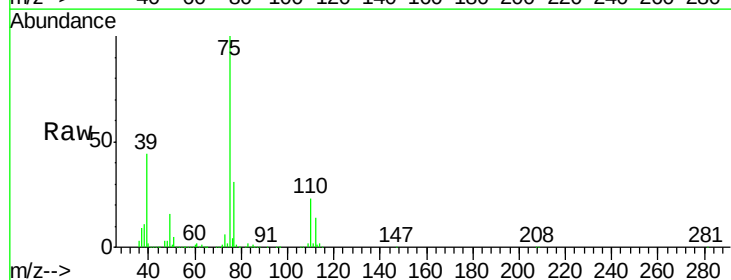
Manual Integrations
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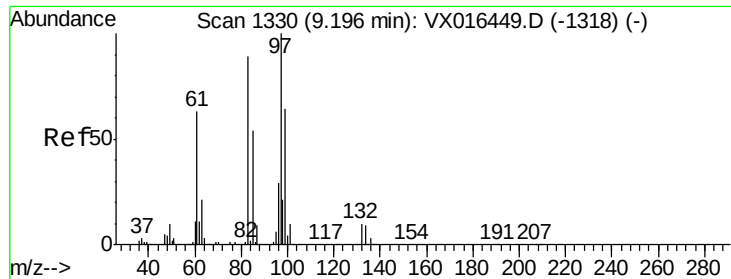
MMDadoda
5/28/2020 2:10:30 PM



#54
cis-1,3-Dichloropropene
Concen: 145.853 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	44.4	35.3	52.9





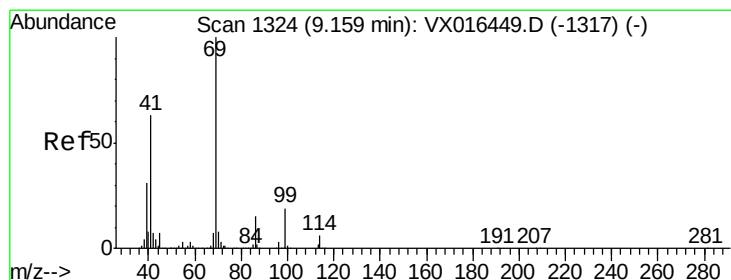
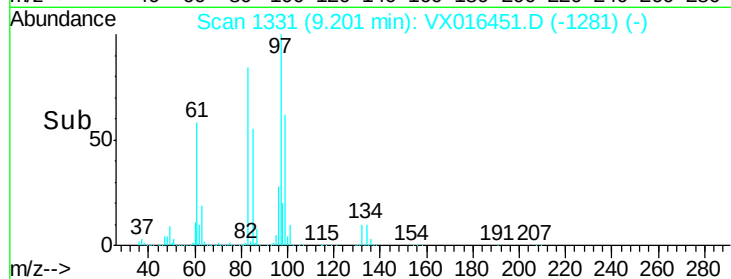
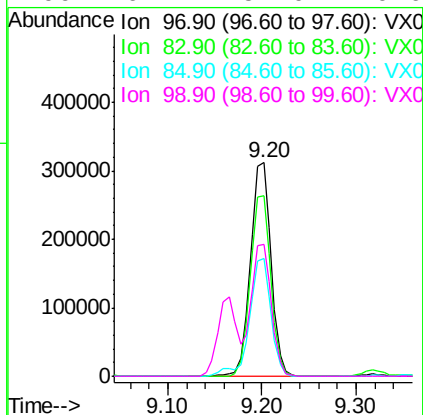
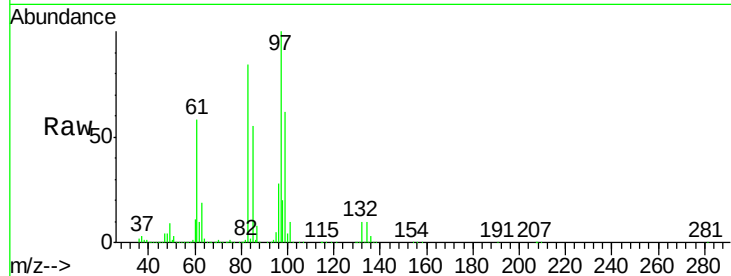
#55
 1,1,2-Trichloroethane
 Concen: 151.291 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	479815
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.9	106.3
85	55.1	43.4	65.2
99	61.7	51.0	76.6

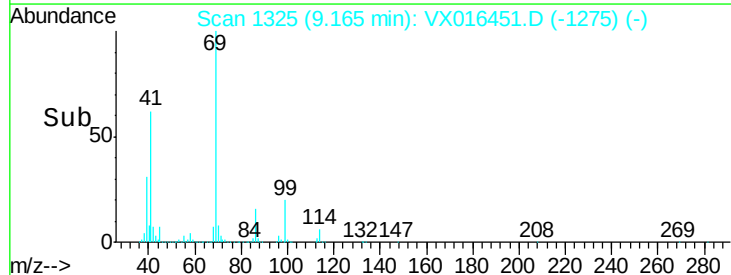
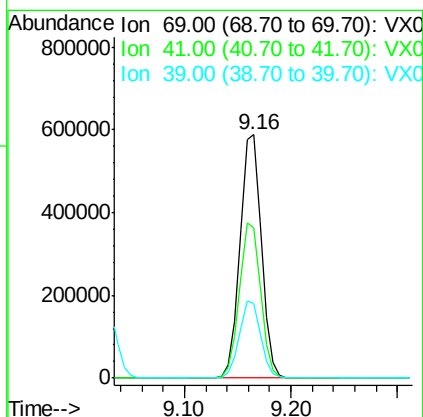
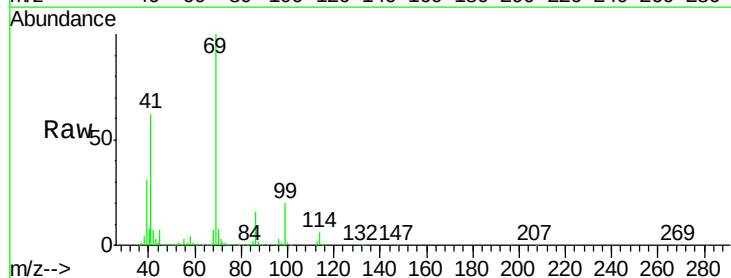
Manual Integrations
 APPROVED

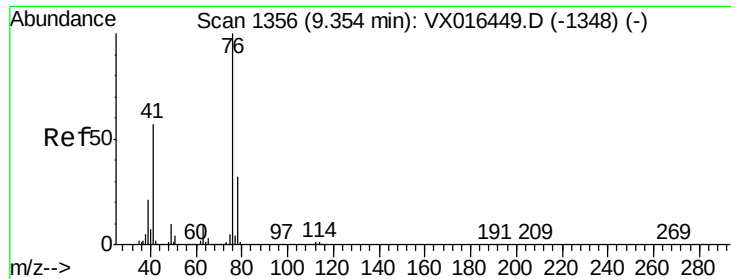
MMDadoda
 5/28/2020 2:10:30 PM



#56
 Ethyl methacrylate
 Concen: 160.457 ug/l
 RT: 9.16 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Tgt Ion:	69	Resp:	832884
Ion	Ratio	Lower	Upper
69	100		
41	63.6	50.7	76.1
39	31.7	25.8	38.6





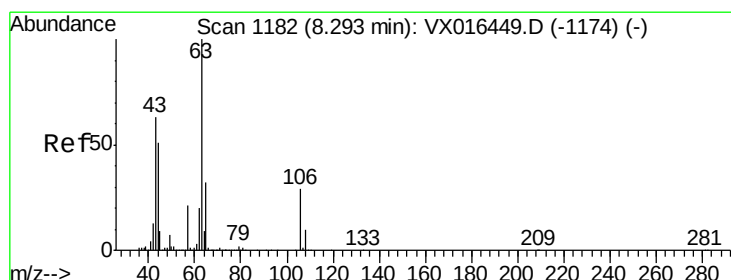
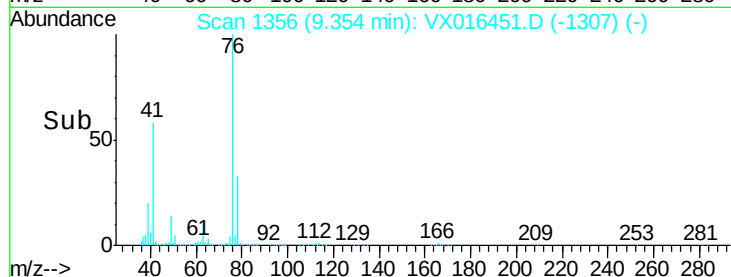
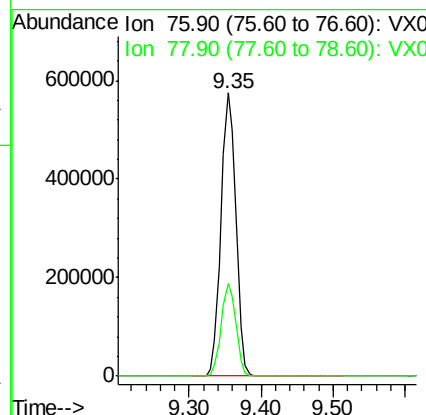
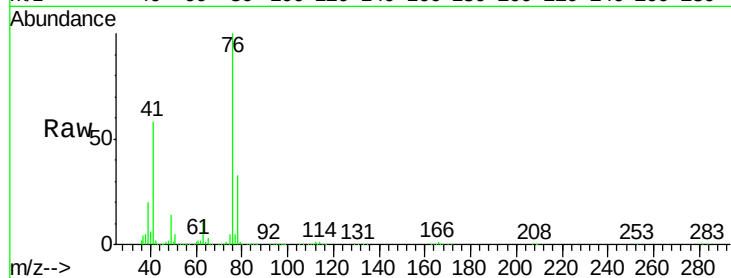
#57
 1,3-Dichloropropane
 Concen: 147.947 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

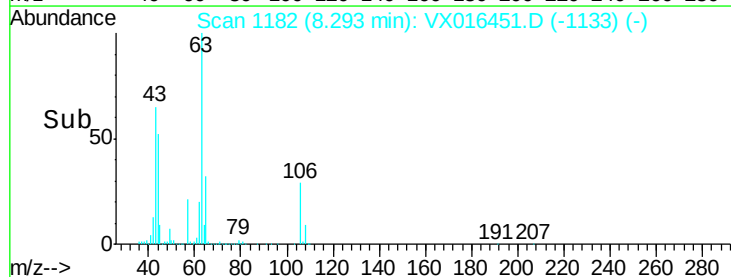
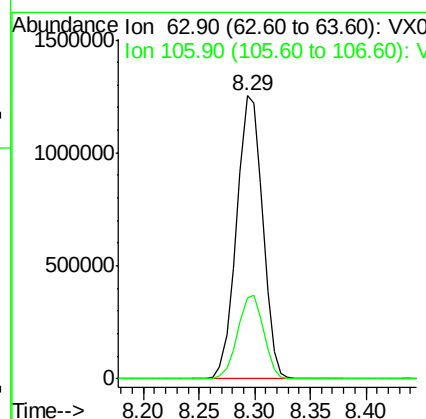
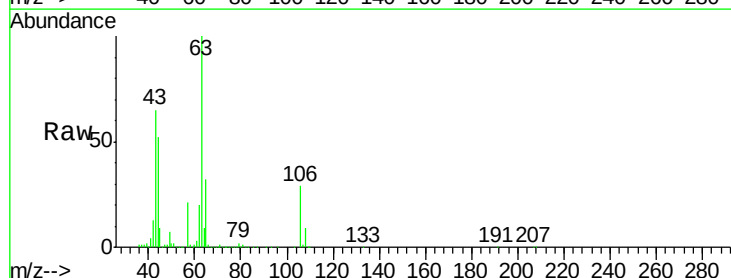
Manual Integrations
 APPROVED

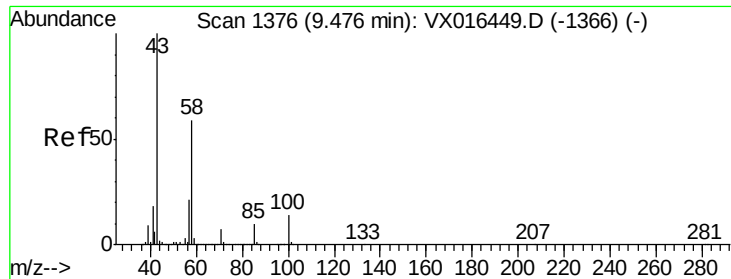
MMDadoda
 5/28/2020 2:10:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 738.403 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.2	34.8





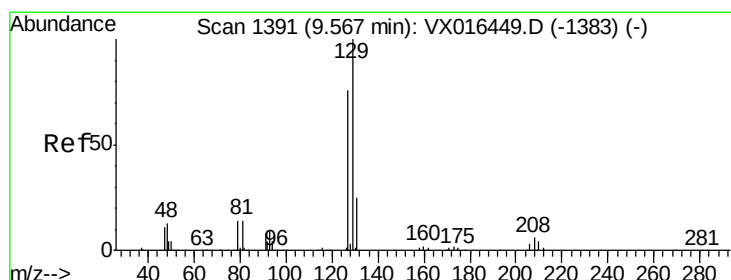
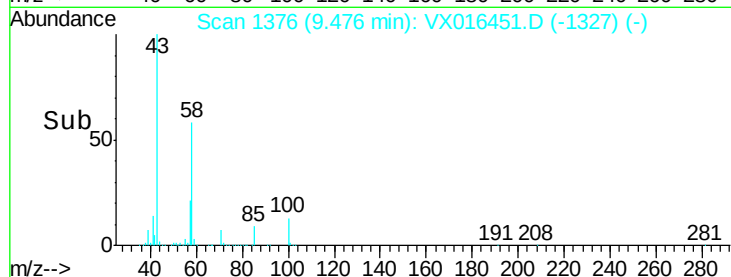
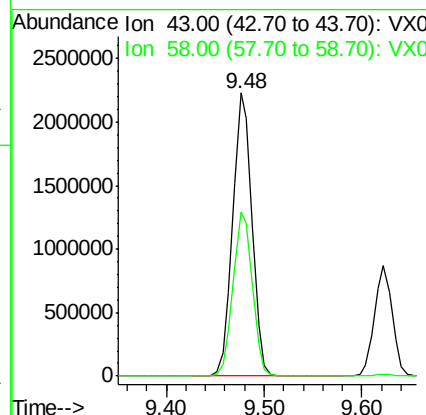
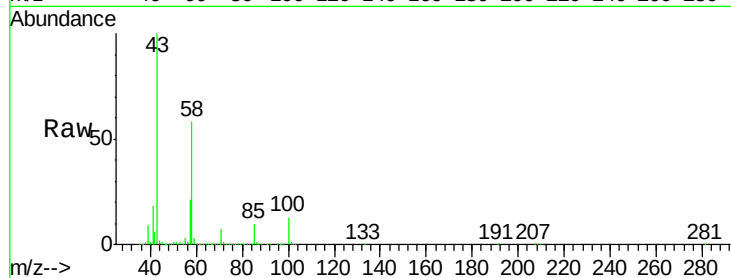
#59
2-Hexanone
Concen: 770.910 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3036080
Ion Ratio Lower Upper
43 100
58 58.2 28.8 86.4

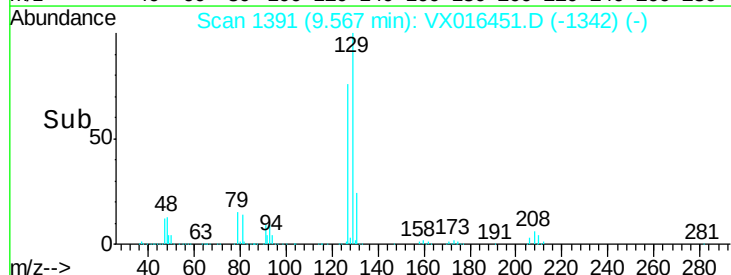
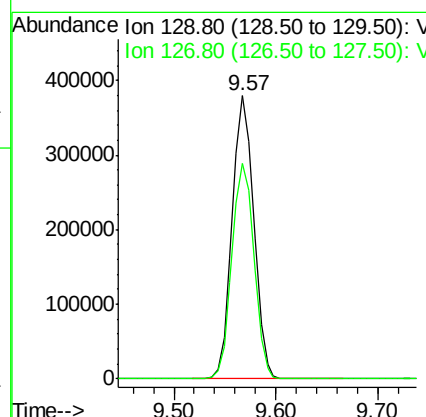
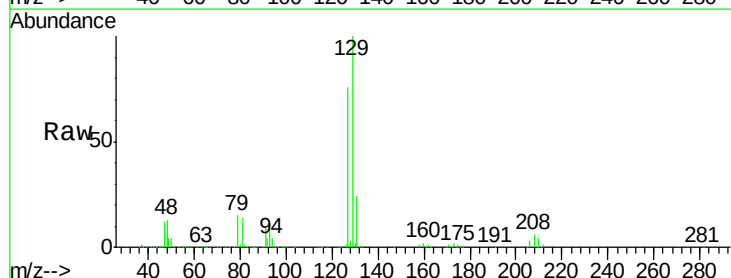
Manual Integrations
APPROVED

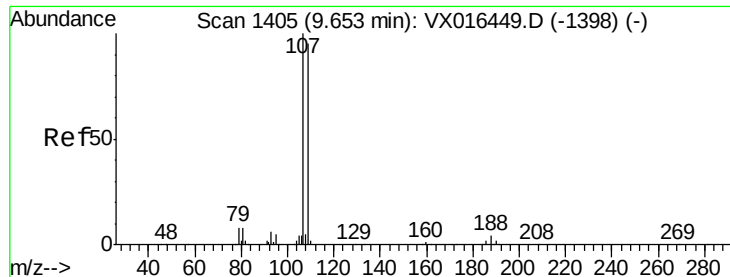
MMDadoda
5/28/2020 2:10:30 PM



#60
Dibromochloromethane
Concen: 158.655 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion: 129 Resp: 556389
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 151.243 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 518046

Ion Ratio Lower Upper

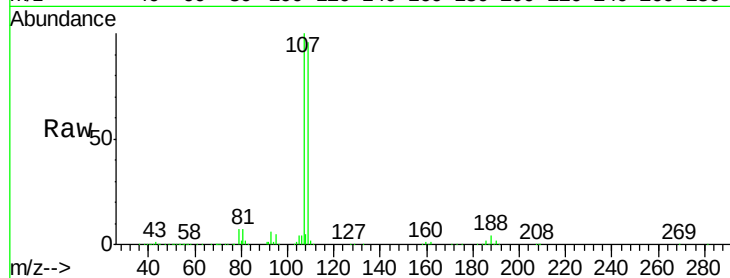
107 100

109 94.4 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

400000

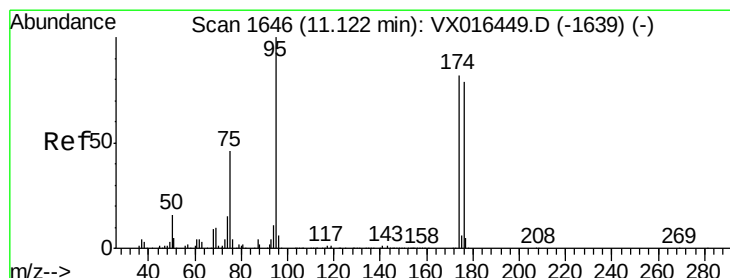
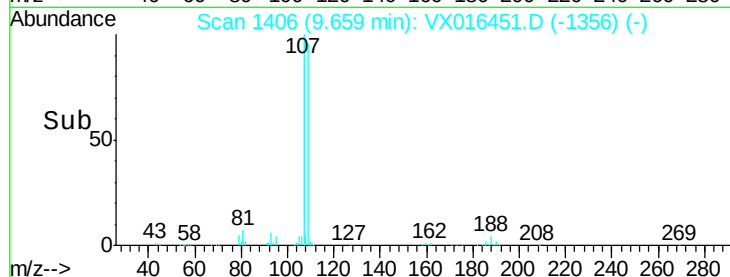
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 157.248 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

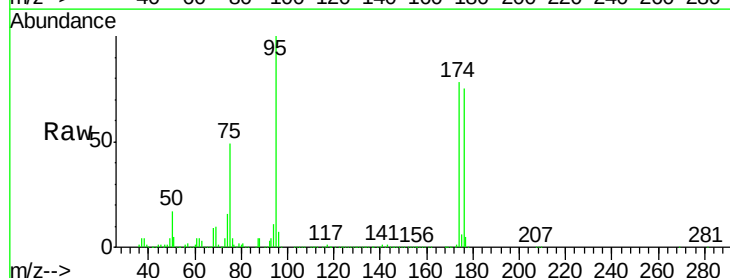
Tgt Ion: 95 Resp: 656578

Ion Ratio Lower Upper

95 100

174 81.8 0.0 163.0

176 78.7 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

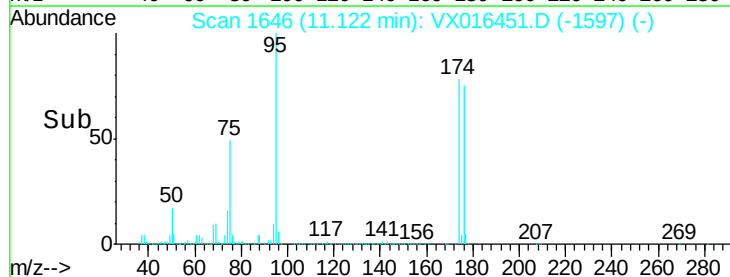
600000

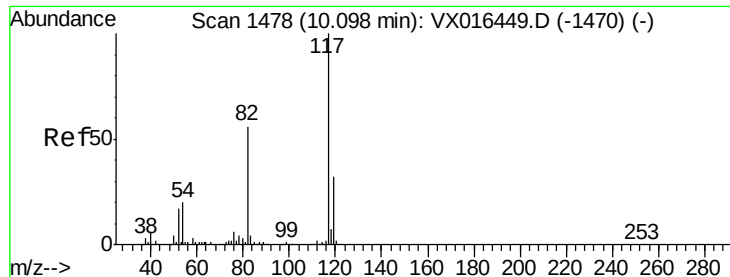
400000

200000

0

Time-->





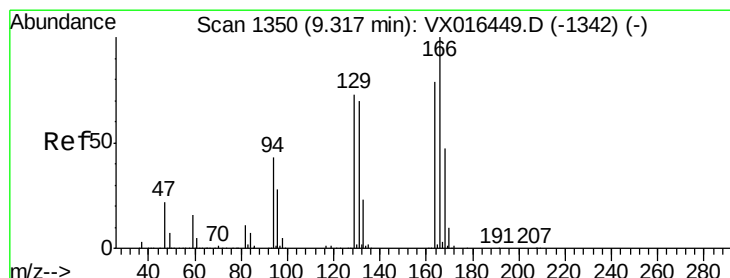
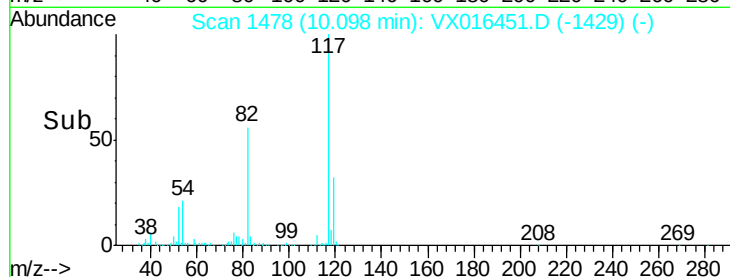
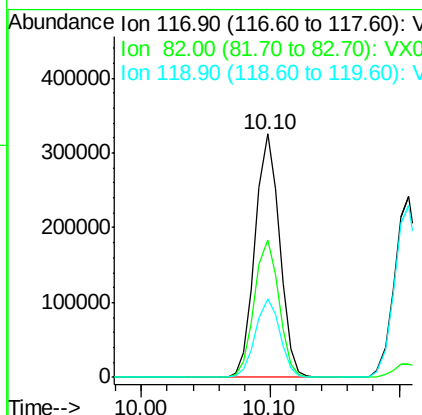
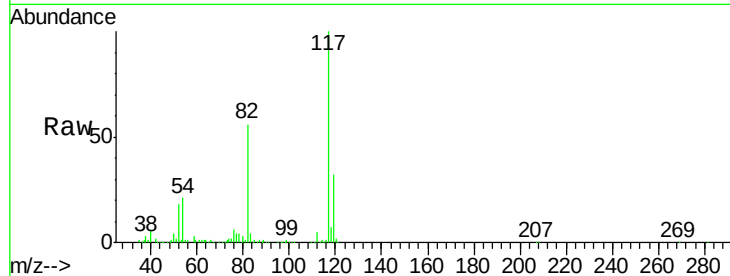
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	424652		
82	56.4	45.0	67.6	
119	32.2	25.8	38.8	

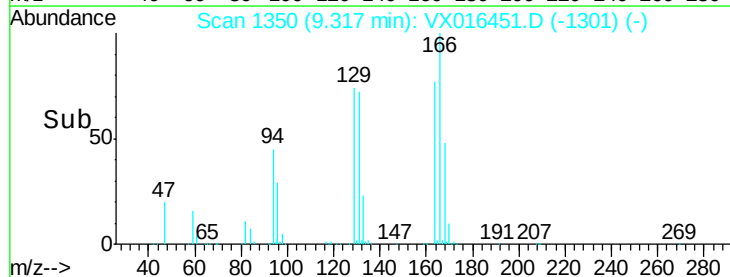
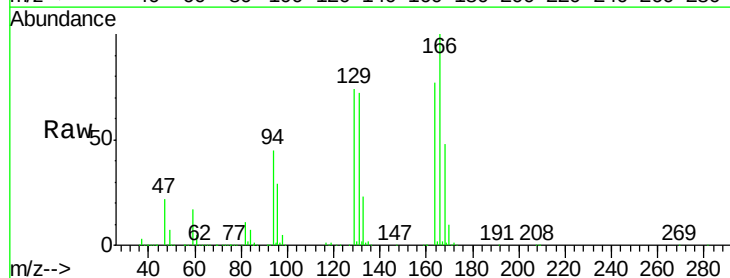
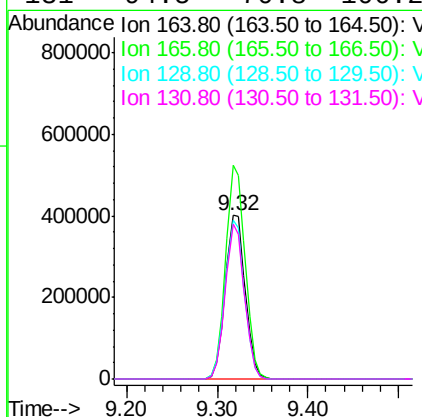
Manual Integrations
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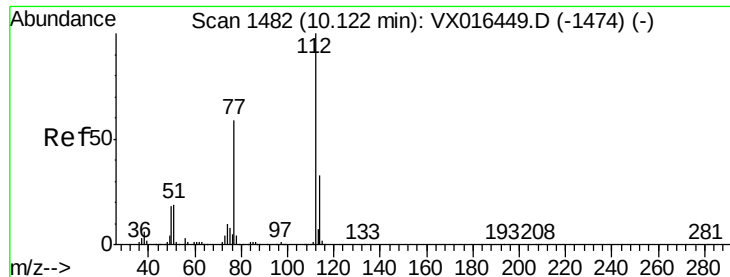
MMDadoda
5/28/2020 2:10:30 PM



#64
Tetrachloroethene
Concen: 118.758 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	612893		
166	130.5	100.9	151.3	
129	96.8	73.2	109.8	
131	94.5	70.8	106.2	





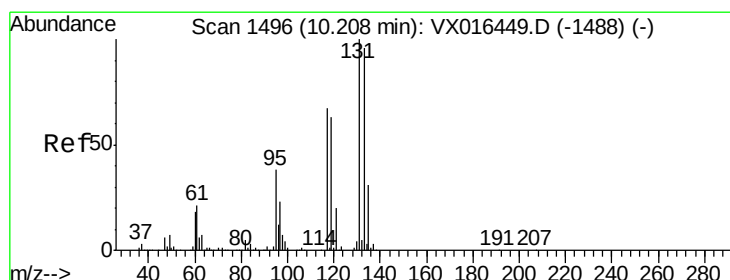
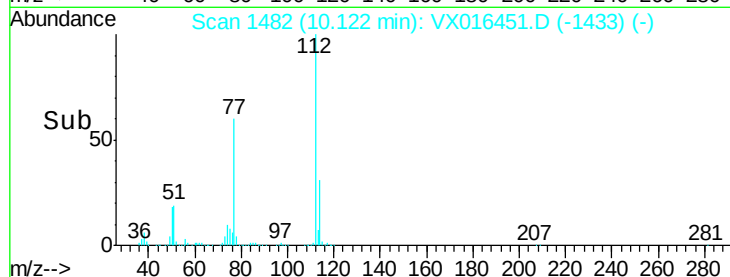
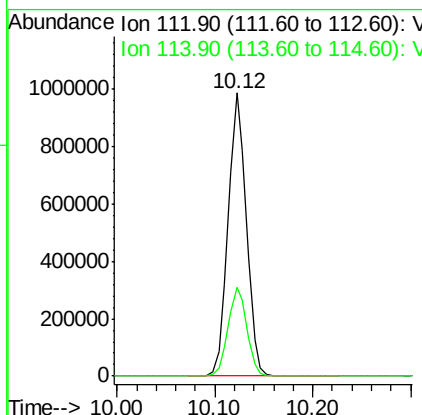
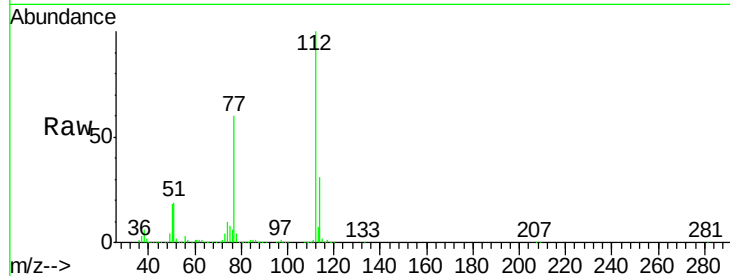
#65
Chlorobenzene
Concen: 142.929 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1273788
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0

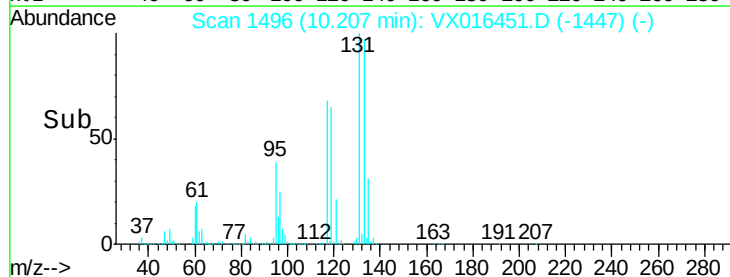
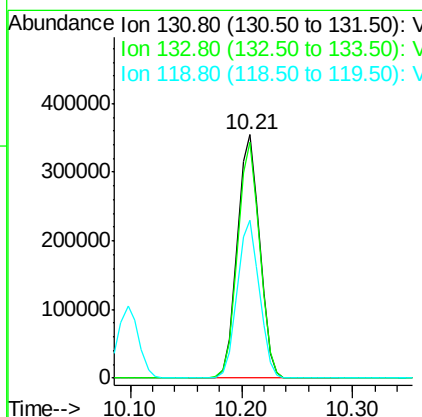
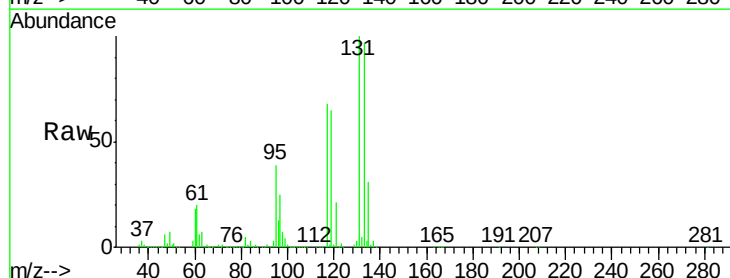
Manual Integrations
APPROVED

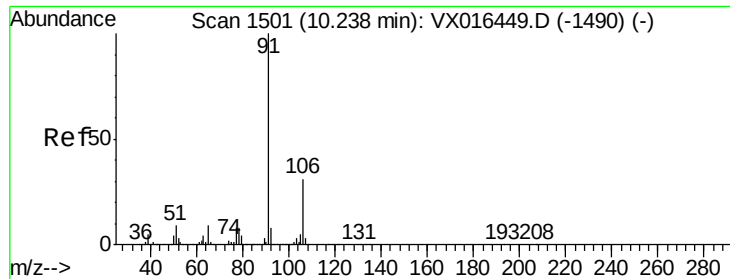
MMDadoda
5/28/2020 2:10:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 148.957 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion:131 Resp: 491522
Ion Ratio Lower Upper
131 100
133 96.0 48.4 145.3
119 64.3 32.0 96.2





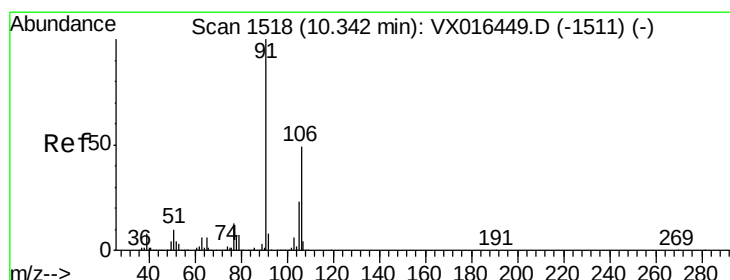
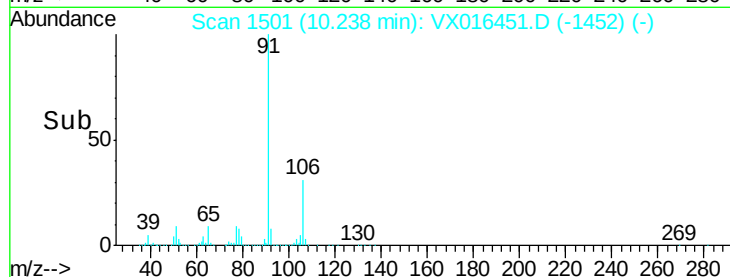
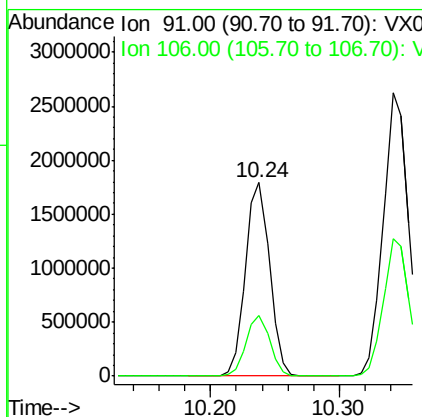
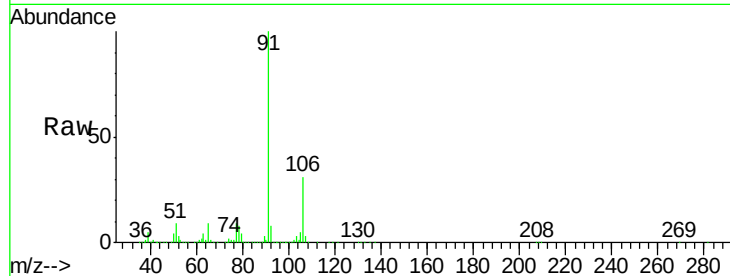
#67
Ethyl Benzene
Concen: 144.824 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2301655
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

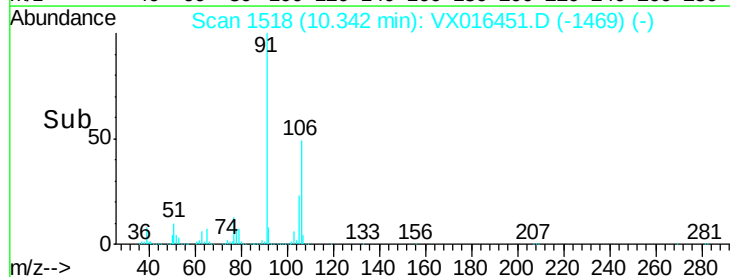
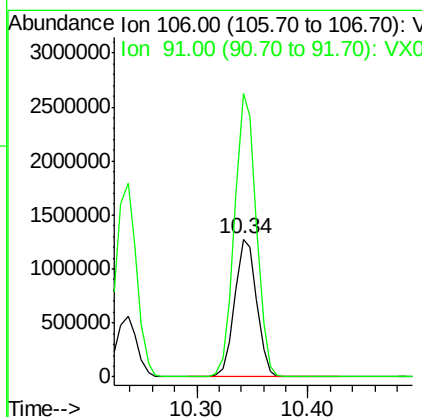
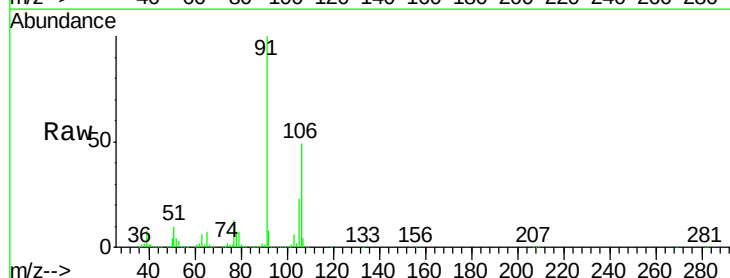
Manual Integrations
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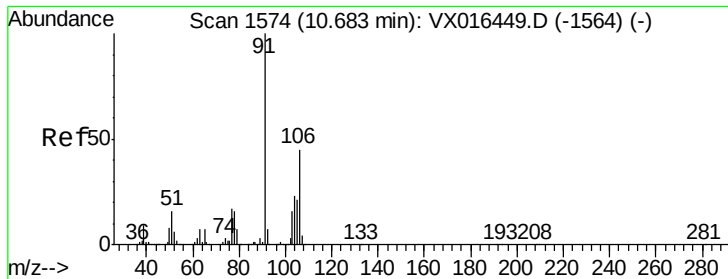
MMDadoda
5/28/2020 2:10:30 PM



#68
m/p-Xylenes
Concen: 291.502 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion: 106 Resp: 1731769
Ion Ratio Lower Upper
106 100
91 203.8 163.8 245.8





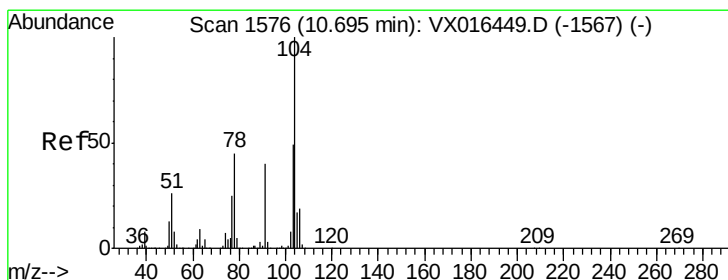
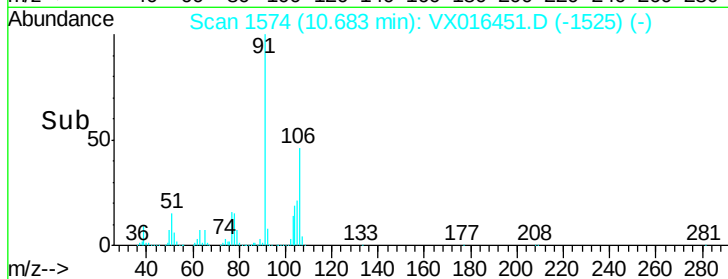
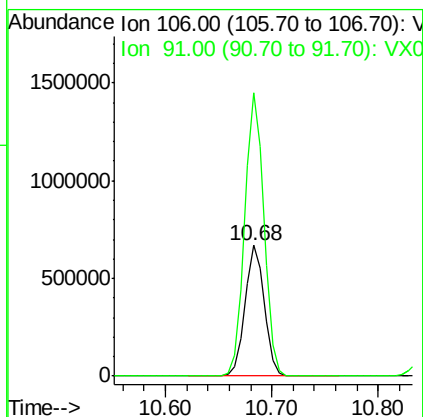
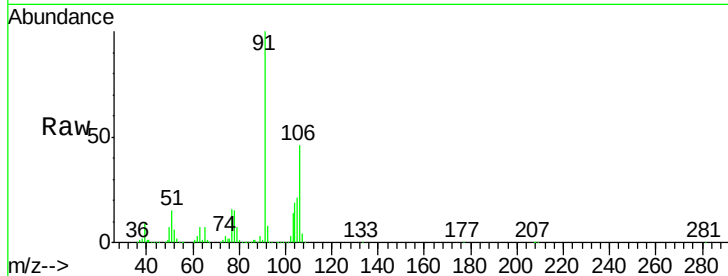
#69
o-Xylene
Concen: 148.980 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		850057		
91	216.0	109.6	328.8		

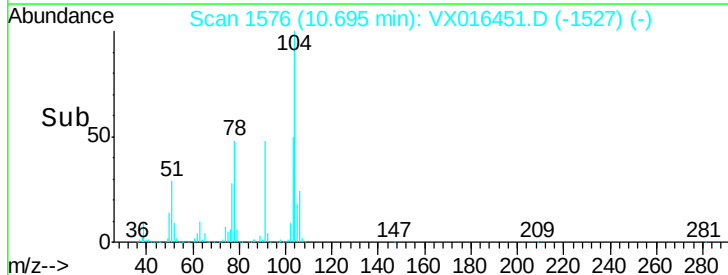
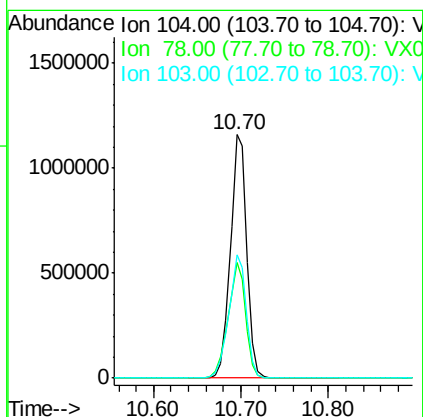
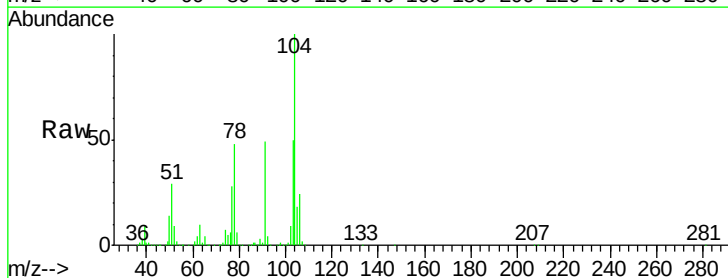
Manual Integrations
APPROVED

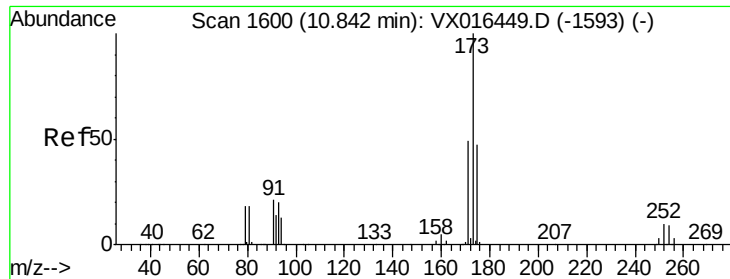
MMDadoda
5/28/2020 2:10:30 PM



#70
Styrene
Concen: 154.842 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.9	40.2	60.2	
103	54.1	43.1	64.7	





#71

Bromoform

Concen: 168.745 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 457171

Ion Ratio Lower Upper

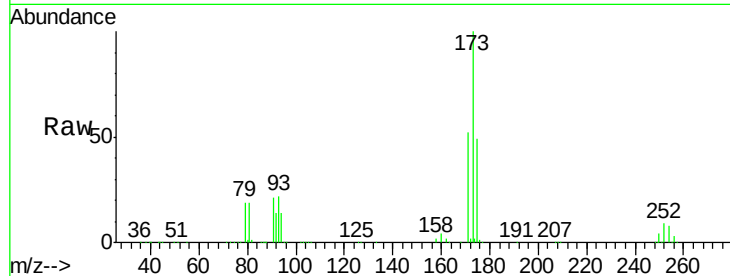
173 100

175 48.7 23.9 71.7

254 0.1 0.1 0.1

Manual Integrations
APPROVED

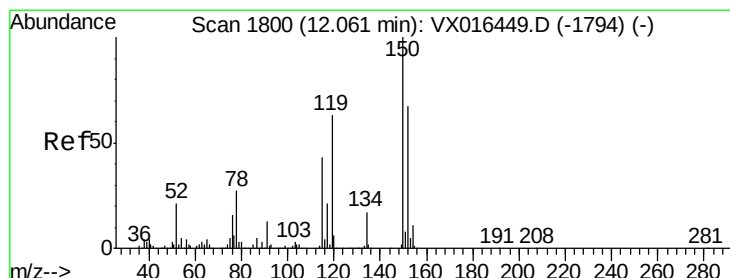
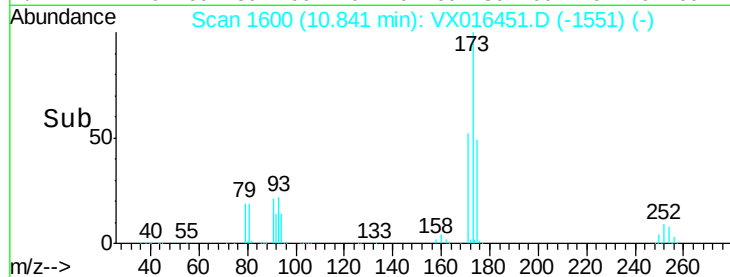
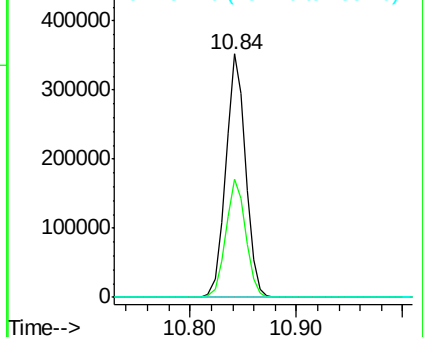
MMDadoda
5/28/2020 2:10:30 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

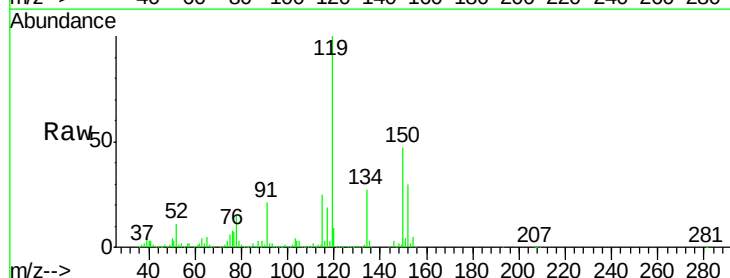
Tgt Ion:152 Resp: 227700

Ion Ratio Lower Upper

152 100

115 124.1 39.9 119.6#

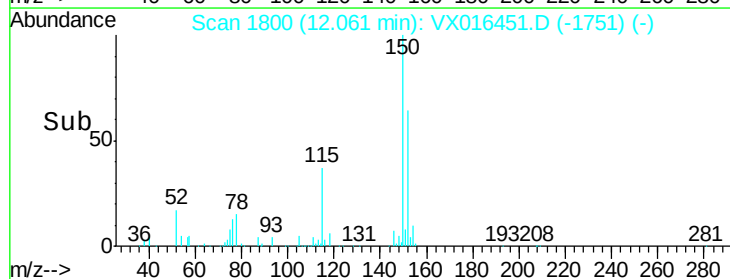
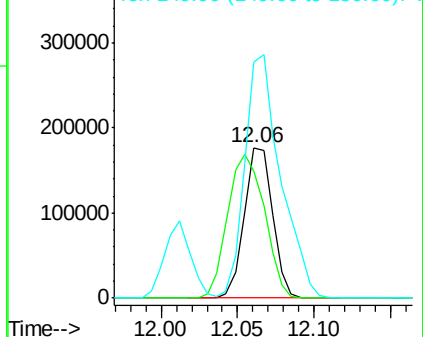
150 204.6 0.0 341.0

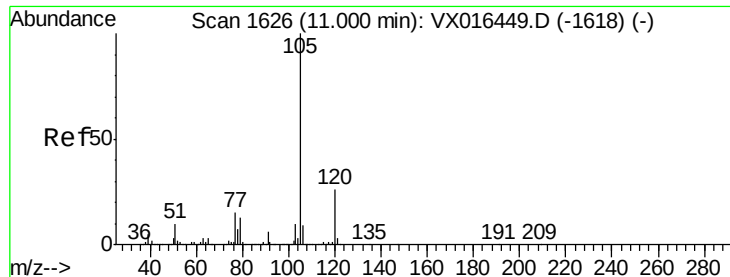


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 137.028 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2262416

Ion Ratio Lower Upper

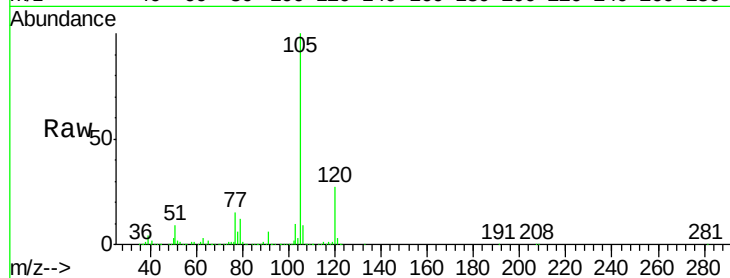
105 100

120 26.5 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

1000000

500000

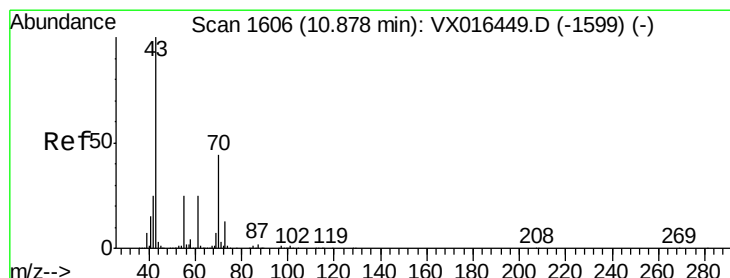
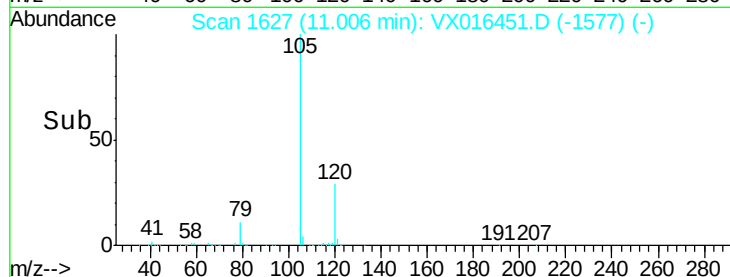
0

11.01

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 144.526 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Tgt Ion: 43 Resp: 1113061

Ion Ratio Lower Upper

43 100

70 45.2 36.1 54.1

55 24.5 20.2 30.4

61 25.9 20.3 30.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

1500000

1000000

500000

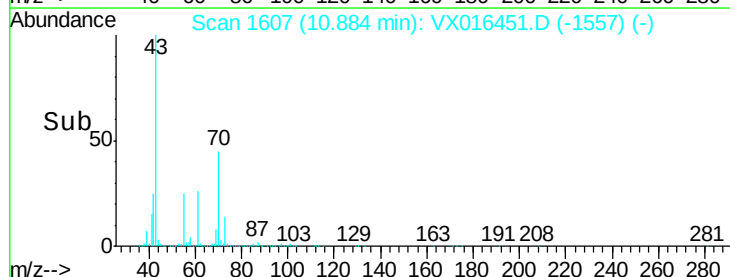
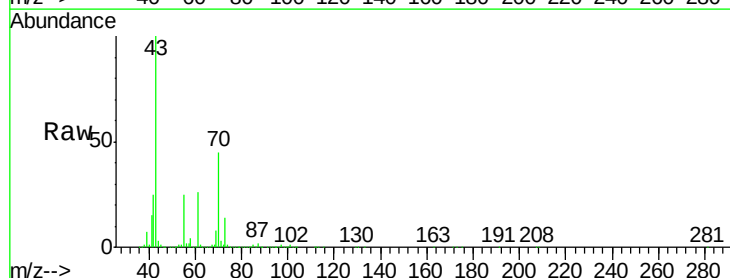
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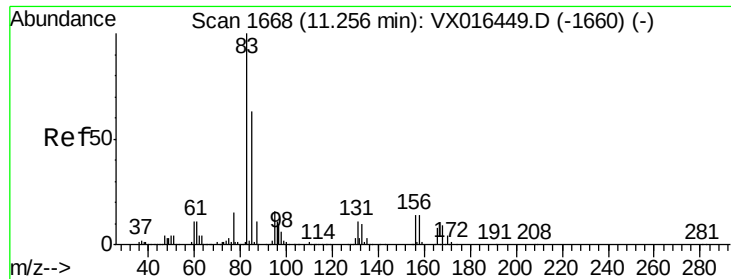
10.88

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 214.087 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

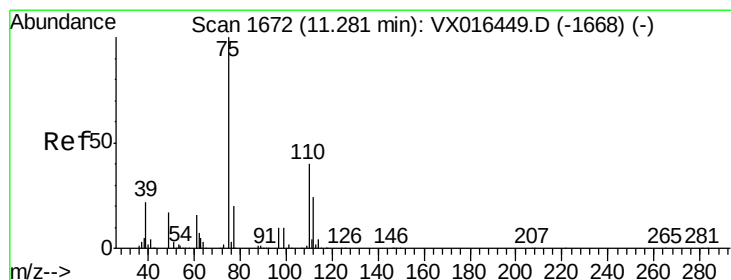
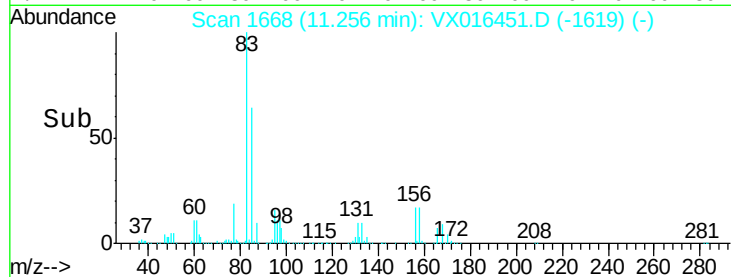
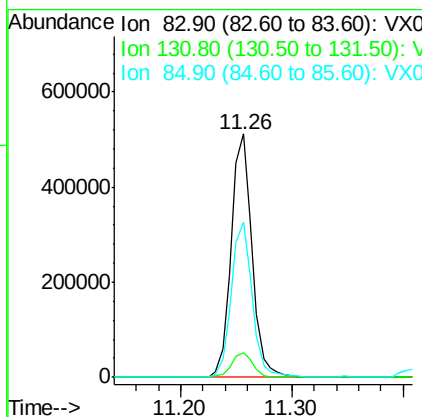
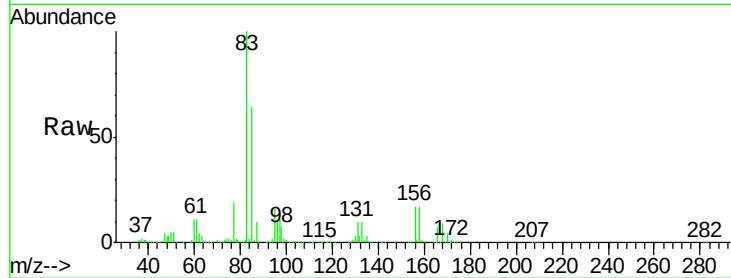
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	659083
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.2	32.0	96.2

Manual Integrations
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5/28/2020 2:10:30 PM



#76

1,2,3-Trichloropropane

Concen: 137.419 ug/l m

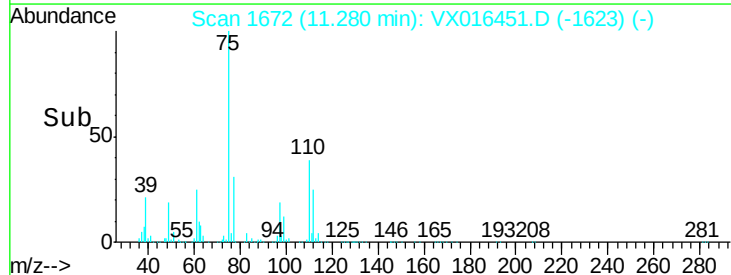
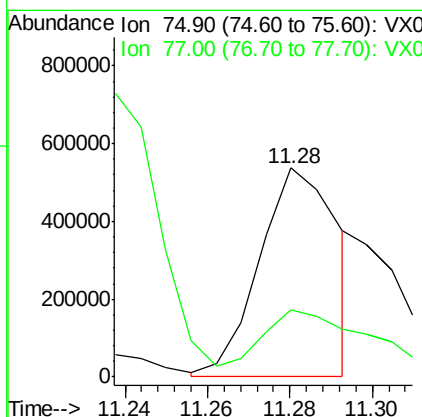
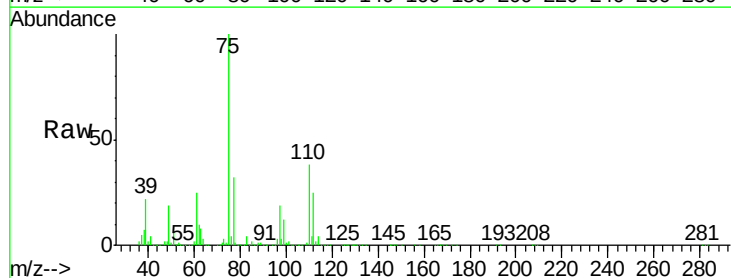
RT: 11.28 min Scan# 1672

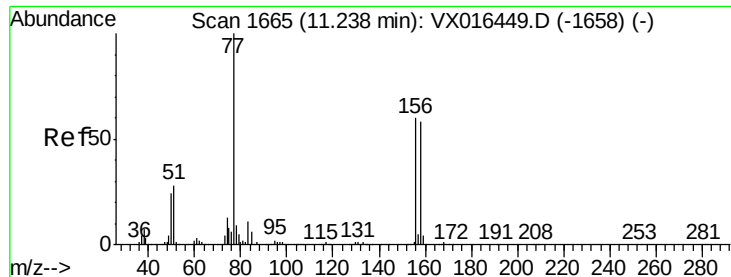
Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Tgt Ion:	75	Resp:	709082
Ion Ratio	Lower	Upper	
75	100		
77	45.1	21.3	63.7





#77

Bromobenzene

Concen: 137.537 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

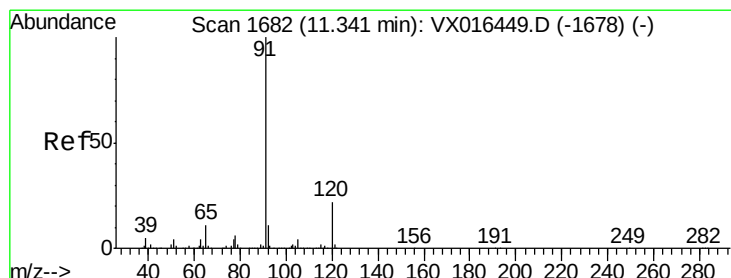
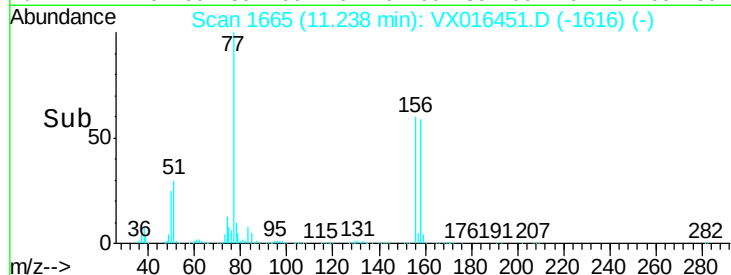
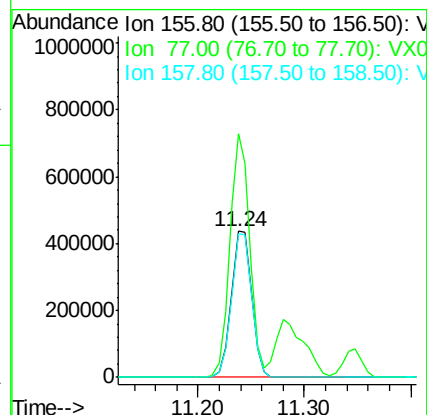
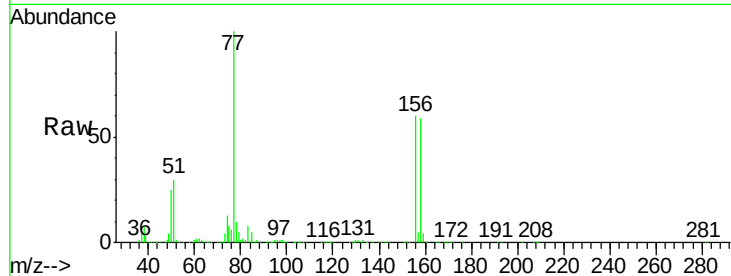
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	588449
Ion Ratio	Lower	Upper	
156	100		
77	161.1	79.6	238.8
158	97.3	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 135.897 ug/l

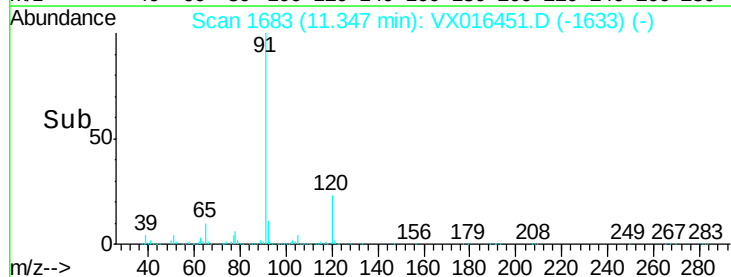
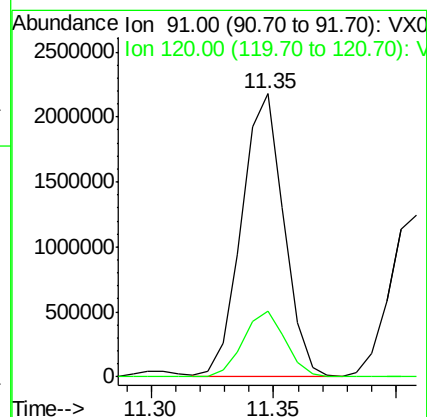
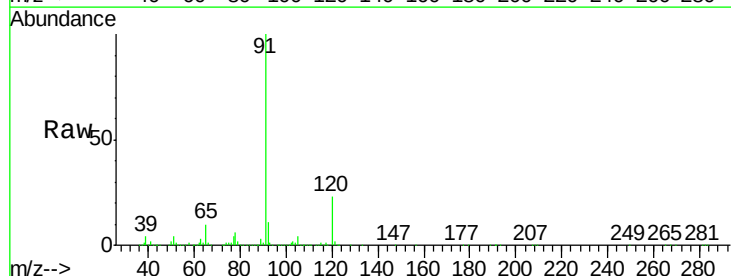
RT: 11.35 min Scan# 1683

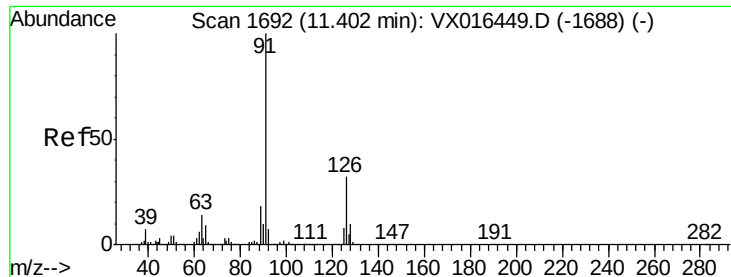
Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Tgt Ion:	91	Resp:	2603895
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.6	34.7





#79

2-Chlorotoluene

Concen: 138.708 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1576947

Ion Ratio Lower Upper

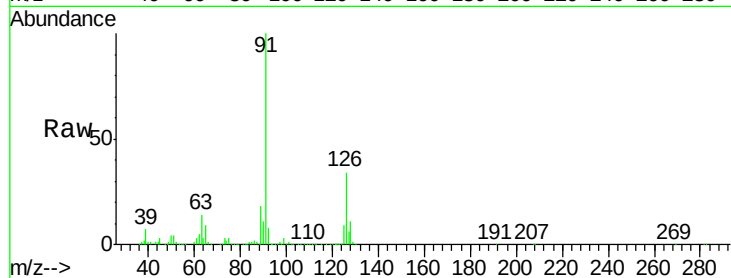
91 100

126 33.3 16.8 50.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX016449.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016449.D (-1688) (-)

2500000

2000000

1500000

1000000

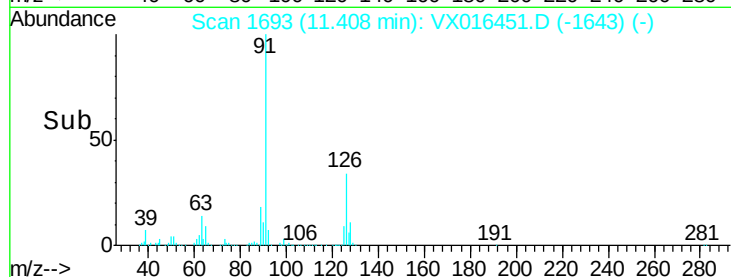
500000

0

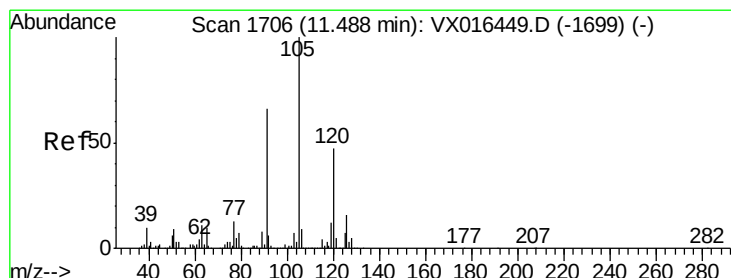
11.35

11.40

11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 140.528 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016451.D

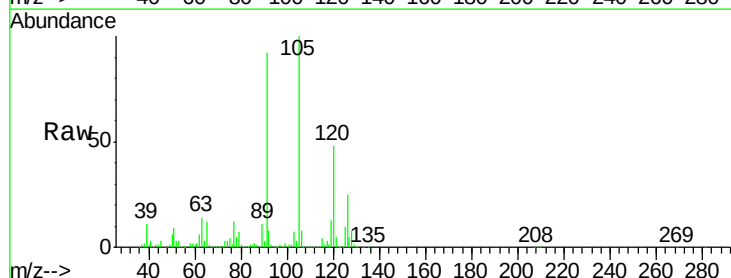
Acq: 27 May 2020 16:13

Tgt Ion: 105 Resp: 1961622

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX016449.D (-1699) (-)

Ion 120.00 (119.70 to 120.70): VX016449.D (-1699) (-)

1500000

1000000

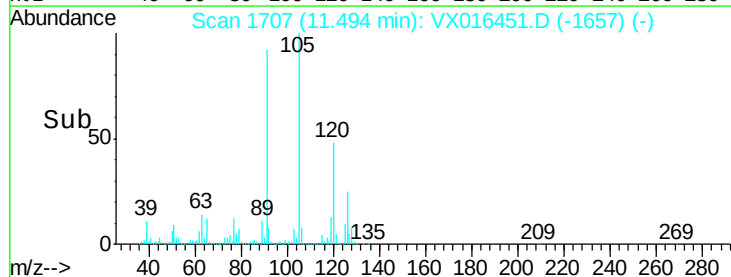
500000

0

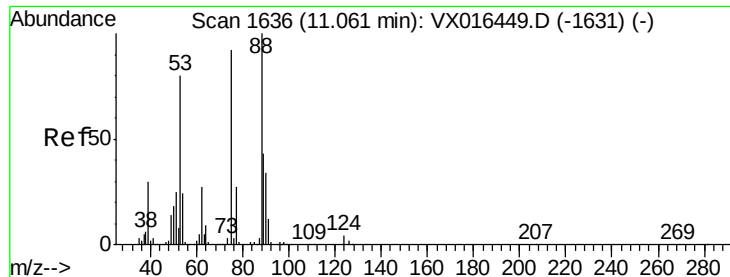
11.45

11.50

11.55



Time-->



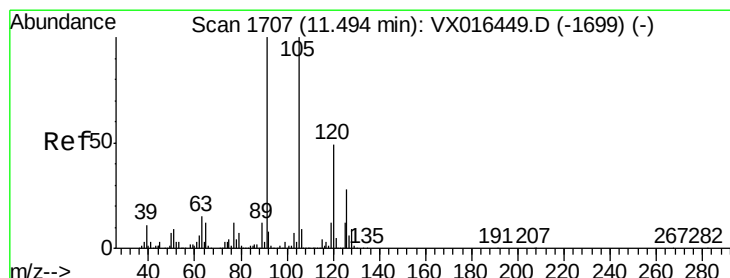
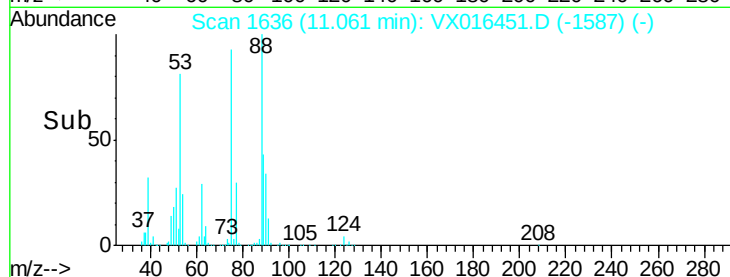
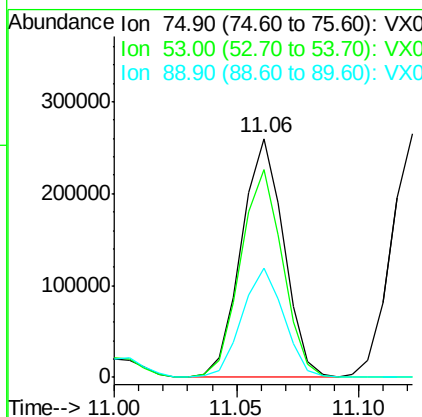
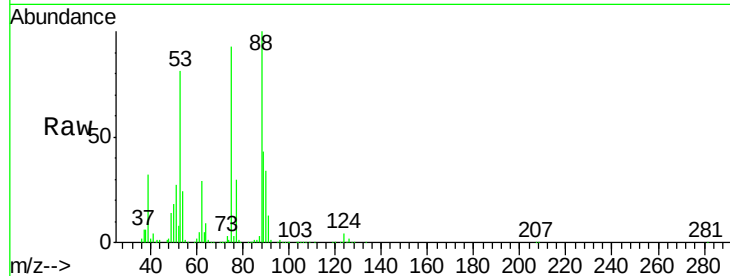
#81
trans-1,4-Dichloro-2-butene
Concen: 146.539 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.7	71.3	106.9
89	45.2	36.6	55.0

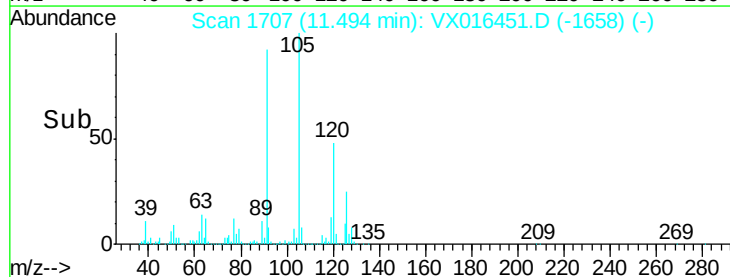
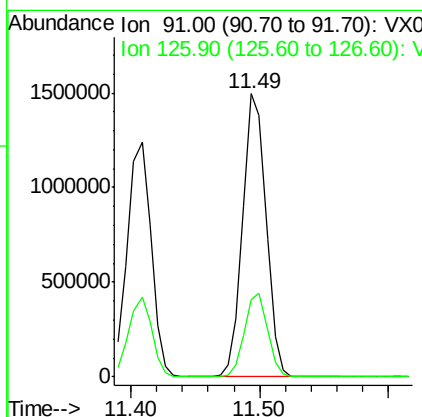
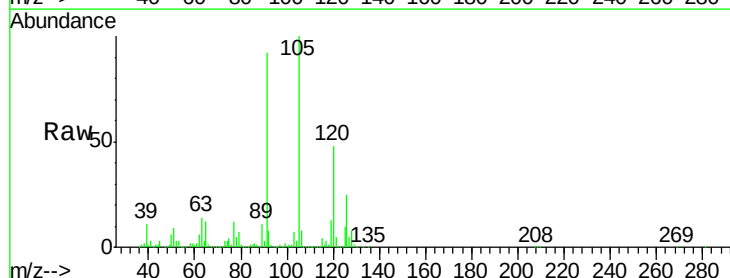
Manual Integrations
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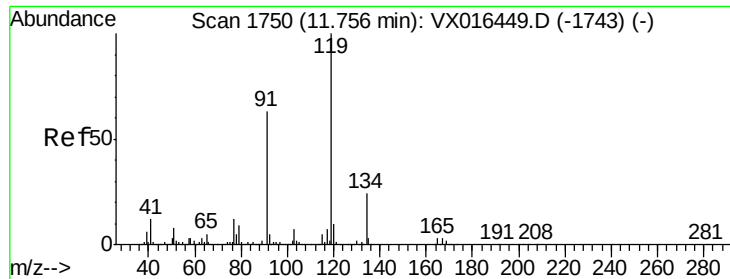
MMDadoda
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#82
4-Chlorotoluene
Concen: 140.308 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.7	44.1





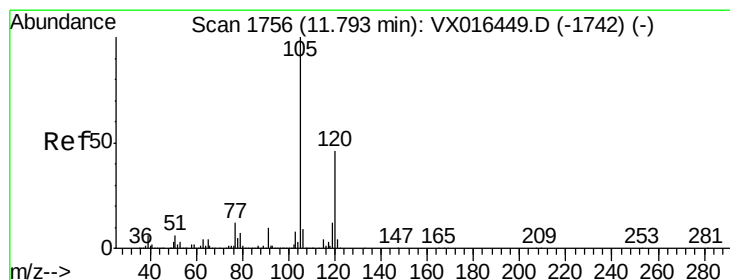
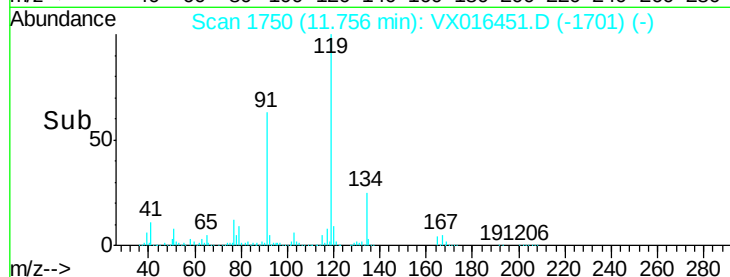
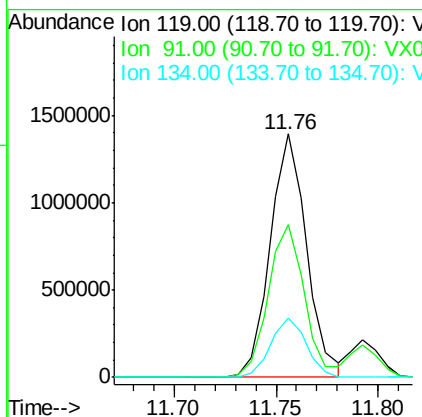
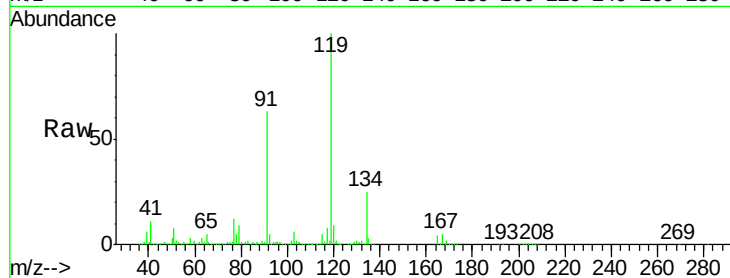
#83
 tert-Butylbenzene
 Concen: 144.325 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.3	93.8
134	23.8	12.0	36.0

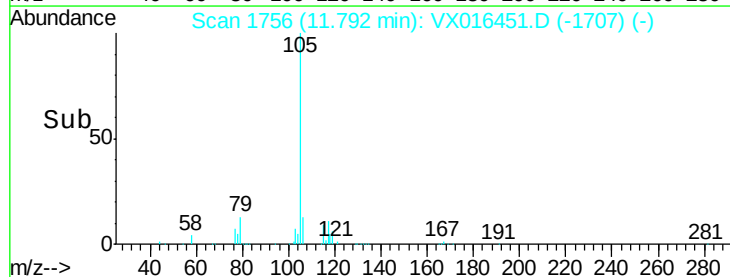
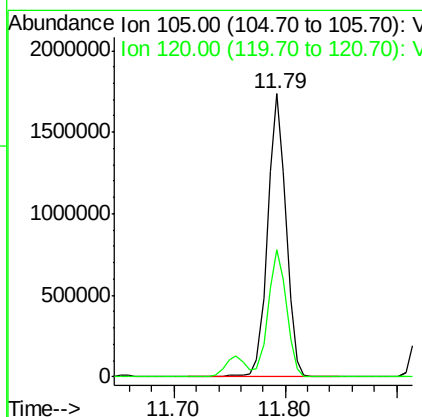
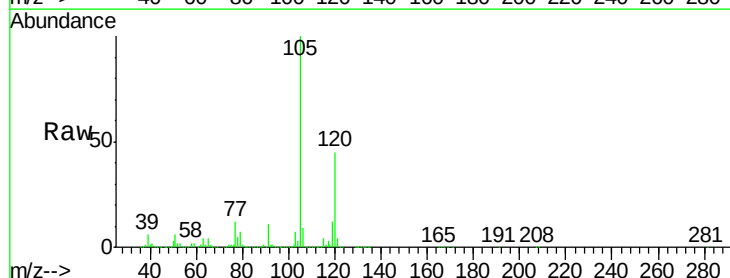
Manual Integrations
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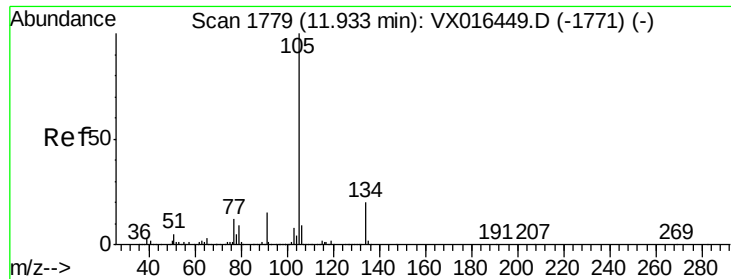
MMDadoda
 5/28/2020 2:10:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 141.682 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 134.226 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2150521

Ion Ratio Lower Upper

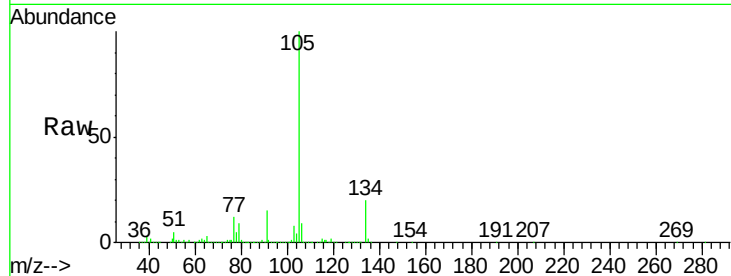
105 100

134 20.0 10.1 30.3

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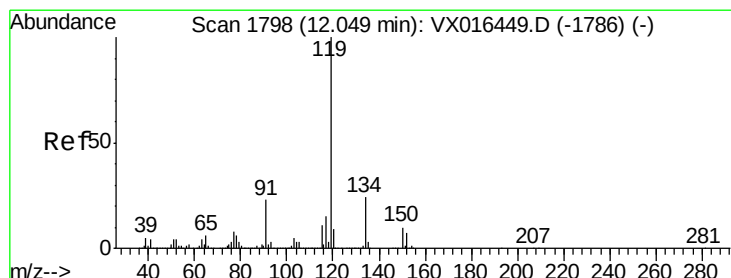
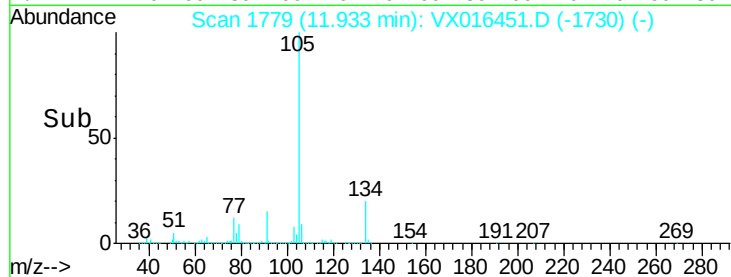
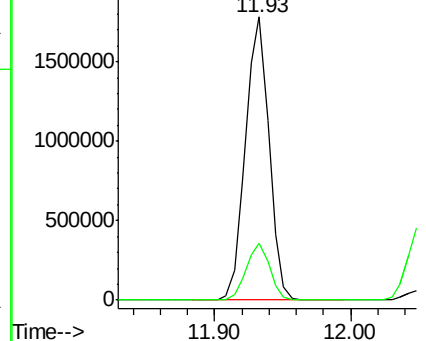
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 134.435 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

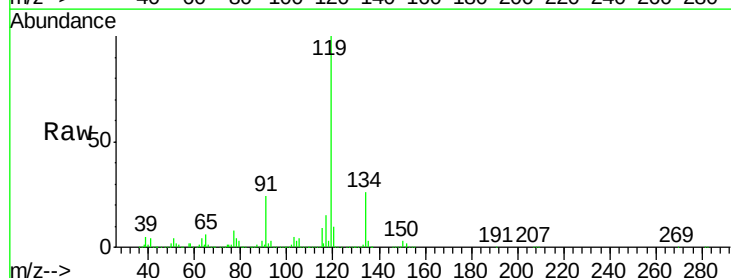
Tgt Ion:119 Resp: 2003464

Ion Ratio Lower Upper

119 100

134 26.0 12.7 38.0

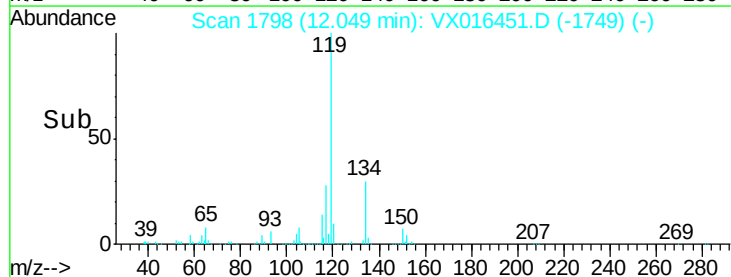
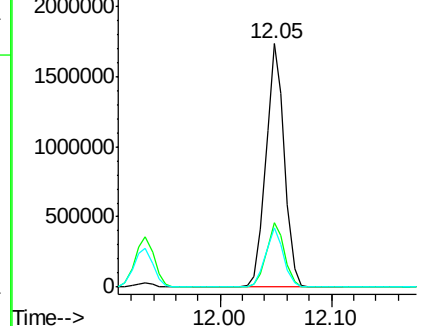
91 23.7 11.7 35.0

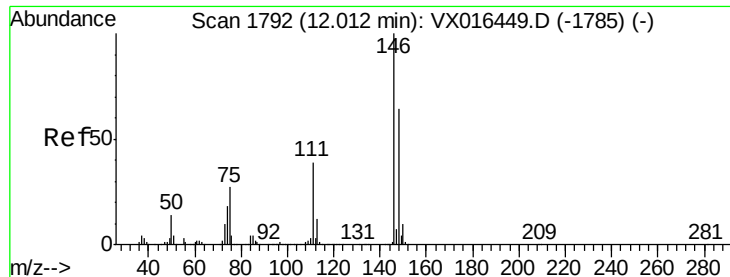


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 137.443 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

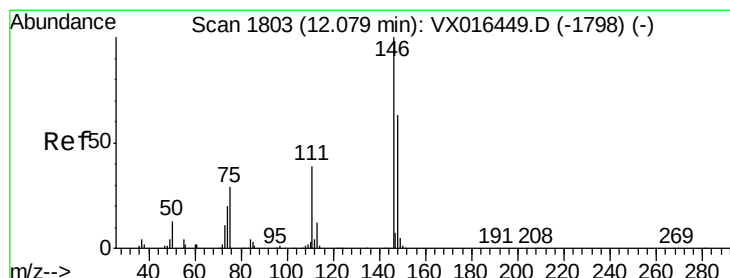
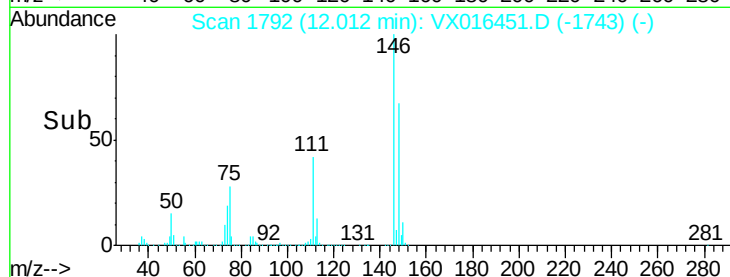
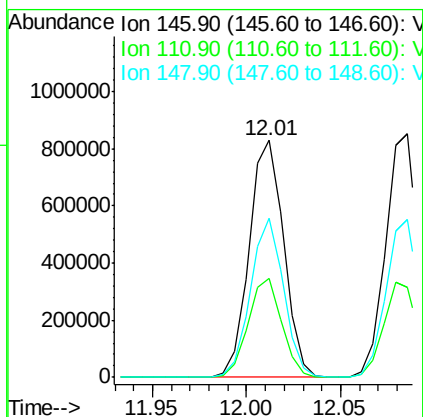
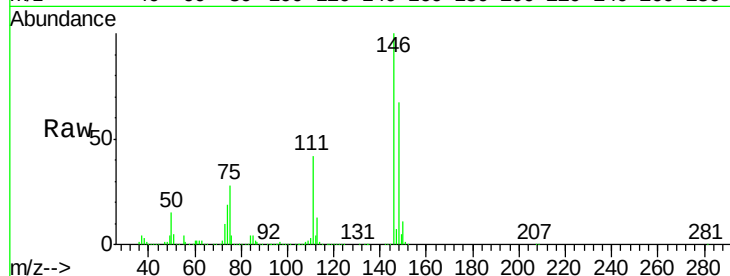
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	1052807
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	64.3	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 136.935 ug/l

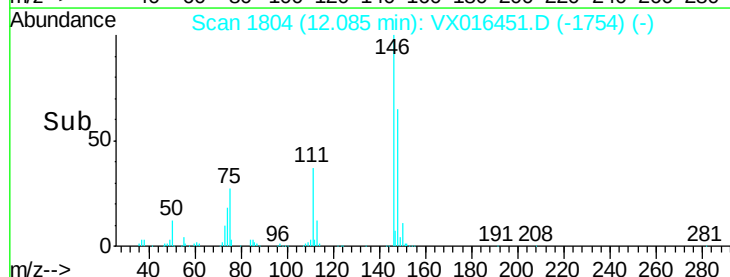
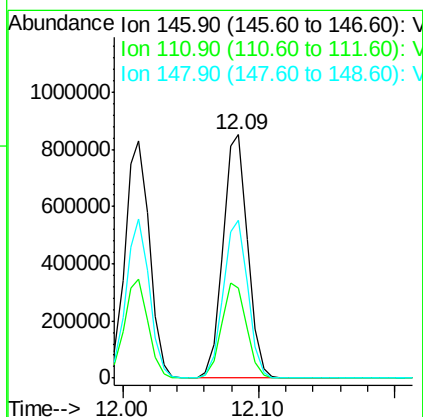
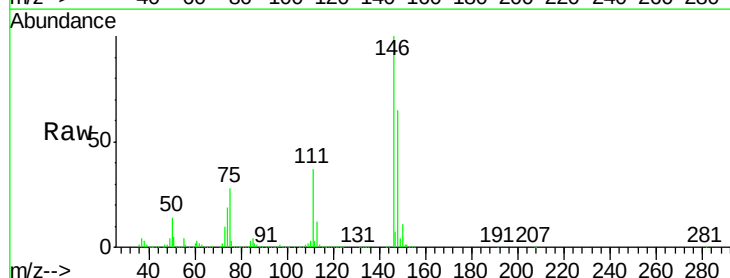
RT: 12.09 min Scan# 1804

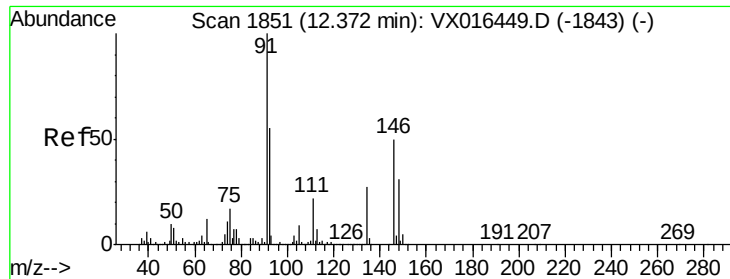
Delta R.T. 0.01 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Tgt Ion:	146	Resp:	1064654
Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	64.8	31.4	94.3





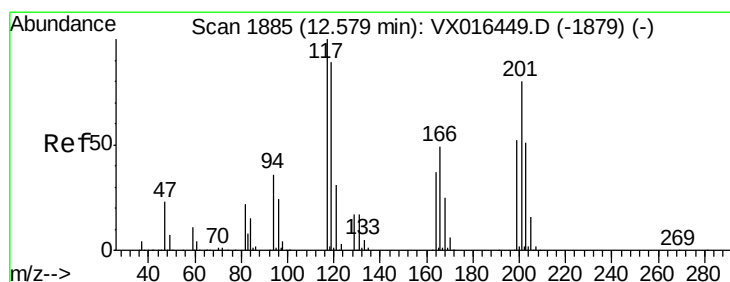
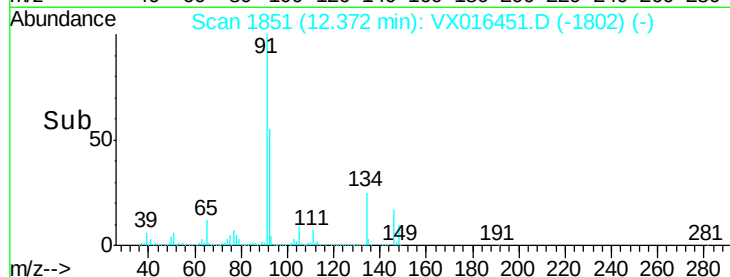
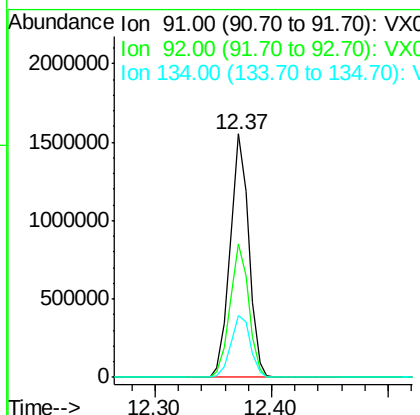
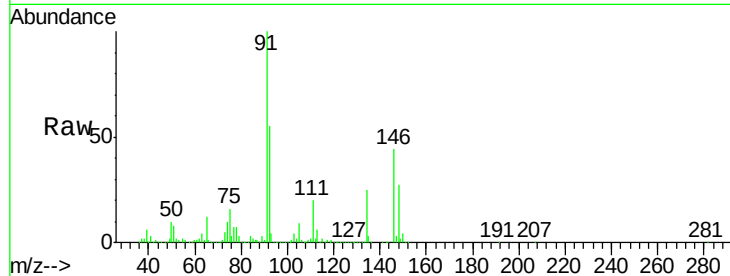
#89
n-Butylbenzene
Concen: 128.301 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.5
134	26.6	13.1	39.3

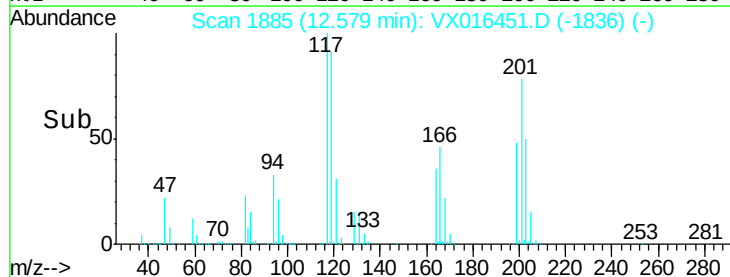
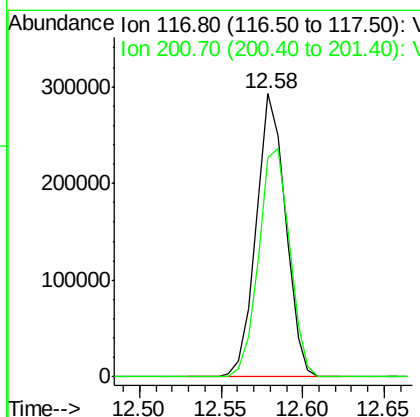
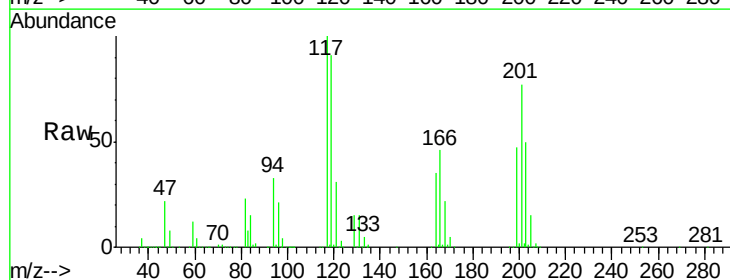
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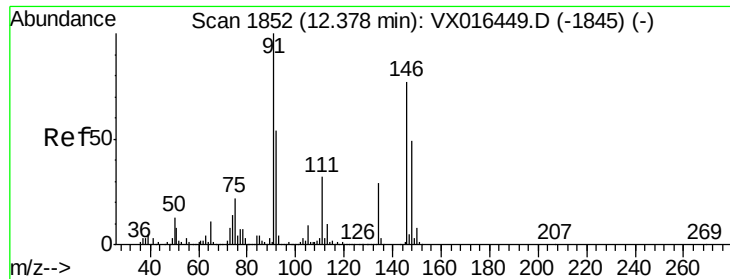
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#90
Hexachloroethane
Concen: 144.363 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016451.D
Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	43.1	129.3





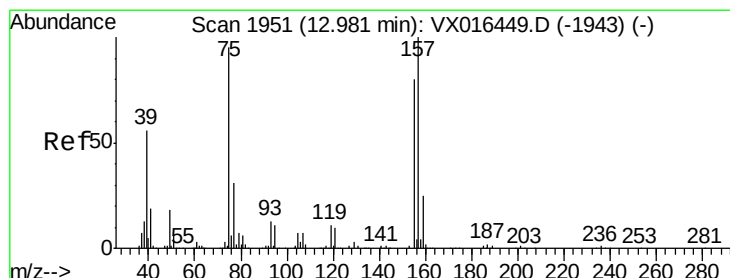
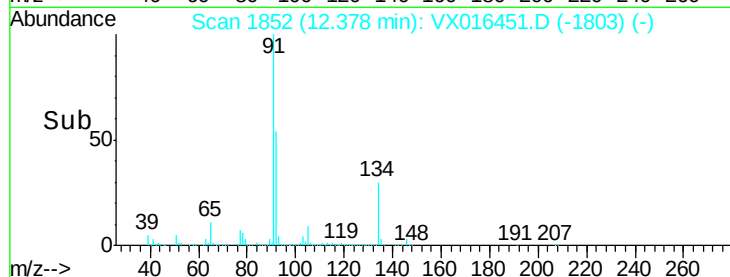
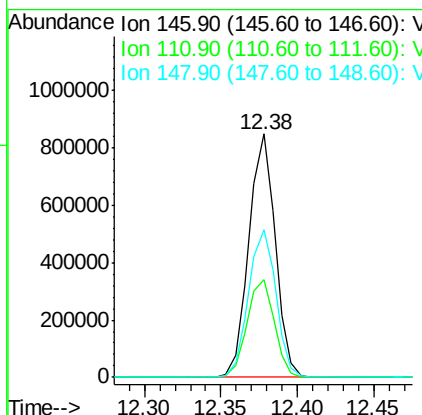
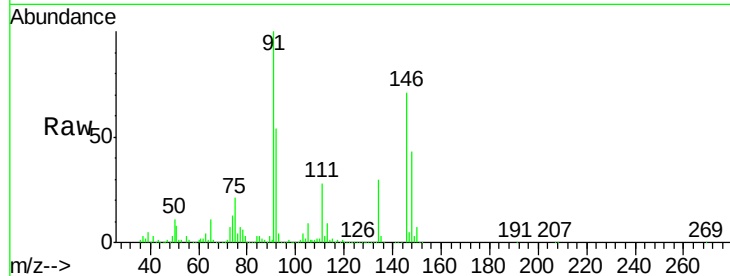
#91
 1,2-Dichlorobenzene
 Concen: 138.760 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.4	64.3
148	62.9	31.9	95.7

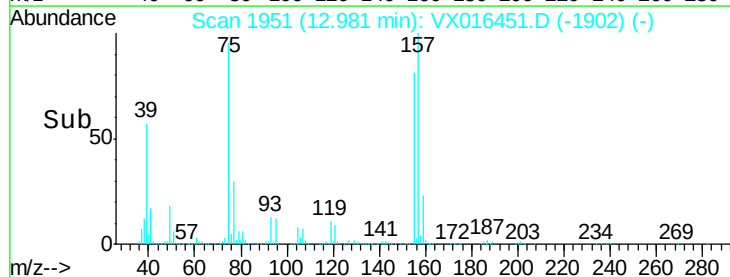
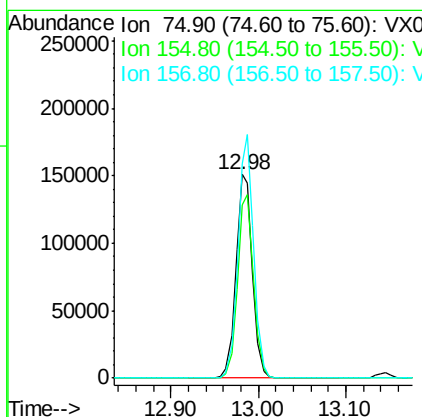
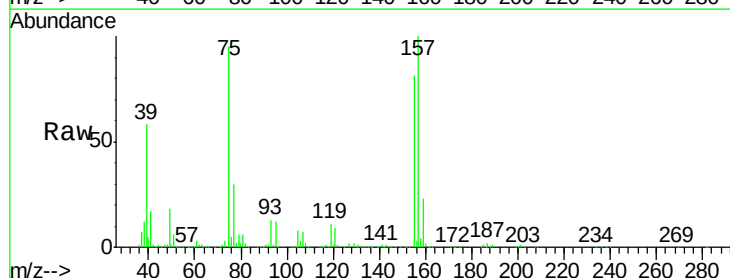
Manual Integrations
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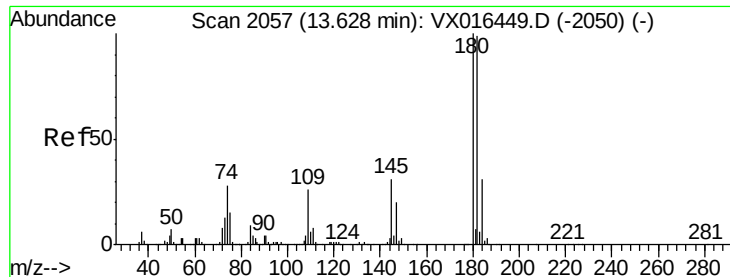
MMDadoda
 5/28/2020 2:10:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 145.301 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	44.1	132.4
157	113.8	57.8	173.3





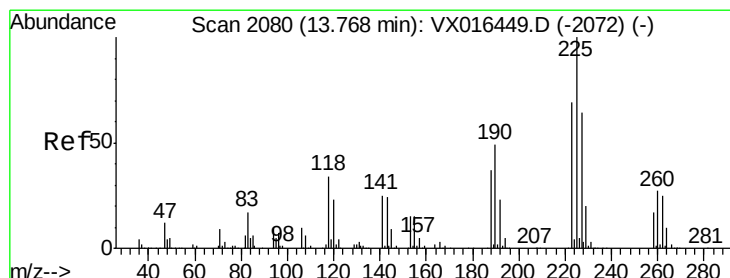
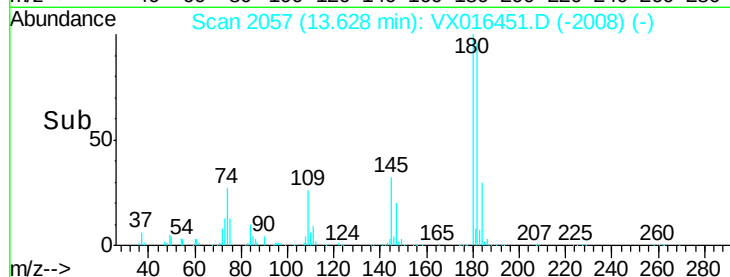
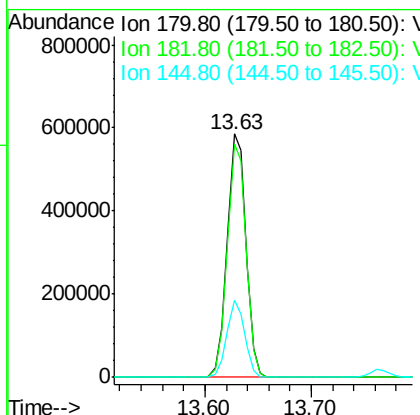
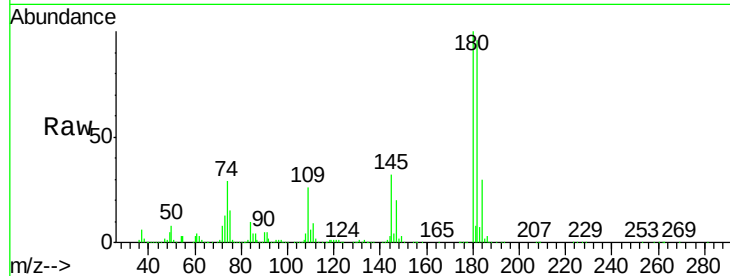
#93
 1,2,4-Trichlorobenzene
 Concen: 133.925 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	724262		
182	96.2	48.3	144.8	
145	30.5	15.4	46.2	

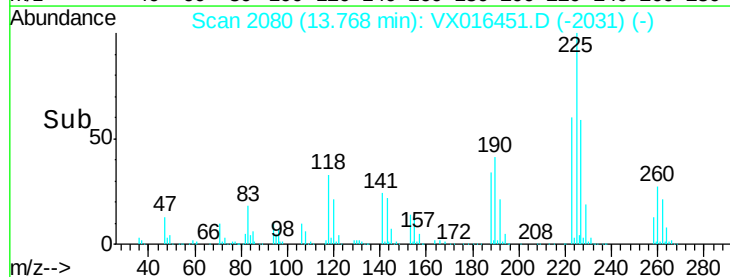
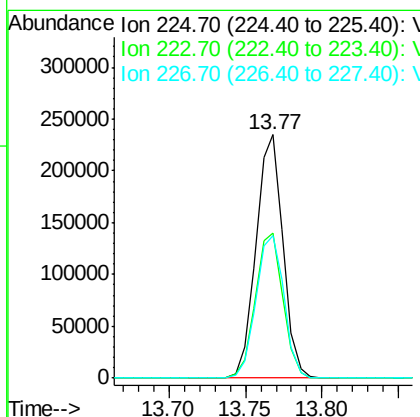
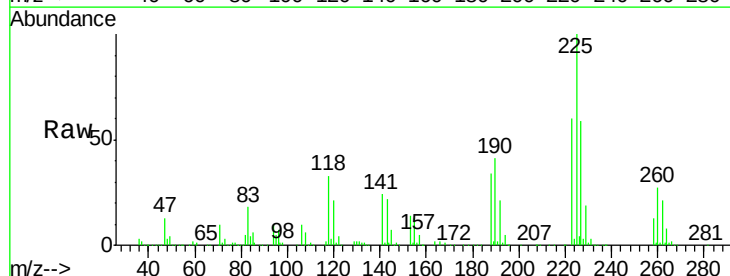
Manual Integrations
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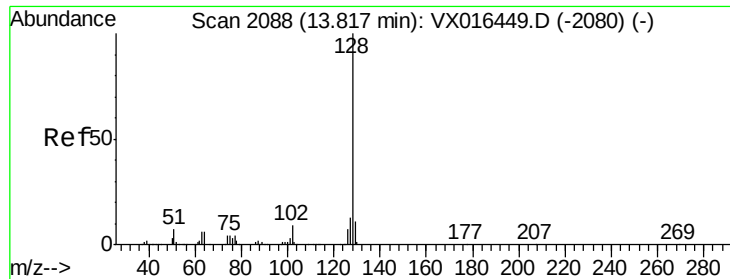
MMDadoda
 5/28/2020 2:10:30 PM



#94
 Hexachlorobutadiene
 Concen: 117.949 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016451.D
 Acq: 27 May 2020 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	287150		
223	61.0	32.3	96.8	
227	61.1	31.6	94.7	





#95

Naphthalene

Concen: 140.292 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2465733

Ion Ratio Lower Upper

128 100

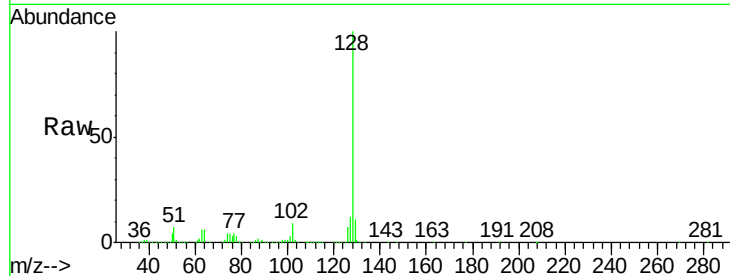
127 13.0 10.6 15.8

129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

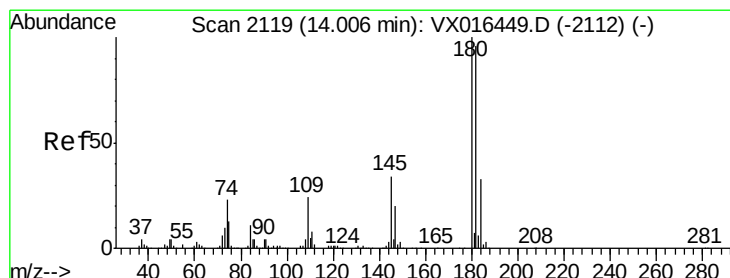
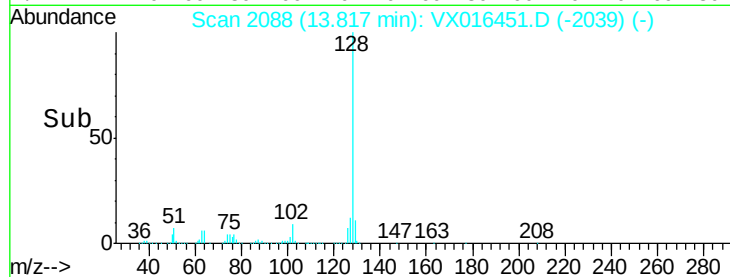
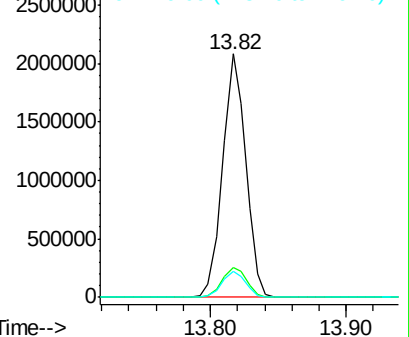
5/28/2020 2:10:30 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 130.213 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016451.D

Acq: 27 May 2020 16:13

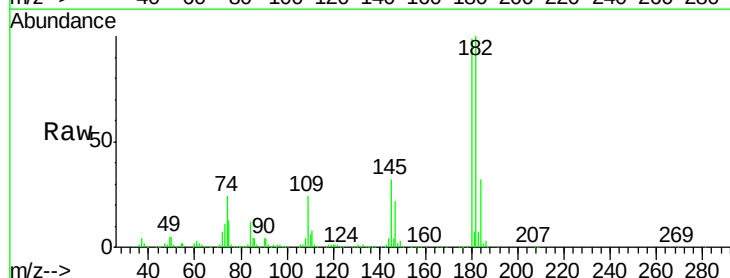
Tgt Ion:180 Resp: 683056

Ion Ratio Lower Upper

180 100

182 95.7 48.6 145.8

145 33.0 16.6 49.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

