

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019715.D
 Acq On : 04 Dec 2020 13:10
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:56:29 AM

Quant Time: Dec 04 13:33:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 13:12:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	333393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	541720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	521739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	267238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	608974	137.85	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	275.70%#
35) Dibromofluoromethane	5.46	113	500116	140.93	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	281.86%#
50) Toluene-d8	8.70	98	1928125	141.84	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	283.68%#
62) 4-Bromofluorobenzene	11.12	95	781495	151.88	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	303.76%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	455594	139.784	ug/l	100
3) Chloromethane	1.31	50	503237	112.407	ug/l	100
4) Vinyl Chloride	1.39	62	561850	139.476	ug/l	100
5) Bromomethane	1.62	94	164960	114.653	ug/l	97
6) Chloroethane	1.69	64	258591	50.463	ug/l	99
7) Trichlorofluoromethane	1.90	101	760261	136.588	ug/l	99
8) Diethyl Ether	2.17	74	321374	137.362	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	451872	136.798	ug/l	99
10) Methyl Iodide	2.48	142	688408	152.079	ug/l	100
11) Tert butyl alcohol	3.04	59	679964	694.013	ug/l	99
12) 1,1-Dichloroethene	2.35	96	465077	140.478	ug/l	100
13) Acrolein	2.28	56	385150	683.783	ug/l	100
14) Allyl chloride	2.70	41	770264	144.704	ug/l	99
15) Acrylonitrile	3.12	53	1500915	732.964	ug/l	100
16) Acetone	2.42	43	1214027	682.132	ug/l	100
17) Carbon Disulfide	2.54	76	1281430	142.694	ug/l	99
18) Methyl Acetate	2.75	43	616503	137.895	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1675977	143.588	ug/l	100
20) Methylene Chloride	2.83	84	549504	120.852	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	521034	139.280	ug/l	99
22) Diisopropyl ether	3.82	45	1546884	140.349	ug/l	95
23) Vinyl Acetate	3.78	43	6729849	725.140	ug/l	100
24) 1,1-Dichloroethane	3.67	63	916487	137.258	ug/l	99
25) 2-Butanone	4.64	43	1956462	743.786	ug/l	99
26) 2,2-Dichloropropane	4.55	77	814689	146.169	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	607162	139.318	ug/l	99
28) Bromochloromethane	4.98	49	435272	143.014	ug/l	100
29) Tetrahydrofuran	5.09	42	1248143	741.957	ug/l	100
30) Chloroform	5.18	83	944063	137.639	ug/l	99
31) Cyclohexane	5.54	56	806448	138.151	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	834140	142.444	ug/l	99
36) 1,1-Dichloropropene	5.76	75	716768	143.108	ug/l	99
37) Ethyl Acetate	4.79	43	749661	149.455	ug/l	100
38) Carbon Tetrachloride	5.75	117	720484	144.864	ug/l	99

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Manual Integrations
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Quant Time: Dec 04 13:33:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 13:12:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	867785	147.416	ug/l	100
40) Benzene	6.11	78	2177052	139.387	ug/l	100
41) Methacrylonitrile	5.01	41	410440	147.854	ug/l	99
42) 1,2-Dichloroethane	6.16	62	746708	139.165	ug/l	100
43) Isopropyl Acetate	6.41	43	1245245	149.955	ug/l	100
44) Trichloroethene	7.18	130	575899	141.173	ug/l	98
45) 1,2-Dichloropropane	7.49	63	548537	139.639	ug/l	98
46) Dibromomethane	7.63	93	380613	144.450	ug/l	99
47) Bromodichloromethane	7.87	83	773441	148.086	ug/l	100
48) Methyl methacrylate	7.74	41	626665	152.678	ug/l	100
49) 1,4-Dioxane	7.72	88	293723	3113.203	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	3825066	754.039	ug/l	99
52) Toluene	8.76	92	1375300	141.429	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	906986	158.363	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	953740	152.351	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	572673	145.617	ug/l	99
56) Ethyl methacrylate	9.16	69	943749	159.763	ug/l	100
57) 1,3-Dichloropropane	9.35	76	963607	144.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	2407558	777.919	ug/l	99
59) 2-Hexanone	9.48	43	2983585	777.510	ug/l	100
60) Dibromochloromethane	9.57	129	638138	157.978	ug/l	100
61) 1,2-Dibromoethane	9.65	107	612930	148.374	ug/l	100
64) Tetrachloroethene	9.32	164	489077	135.747	ug/l	96
65) Chlorobenzene	10.12	112	1496022	138.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	573856	145.994	ug/l	99
67) Ethyl Benzene	10.23	91	2707944	141.946	ug/l	99
68) m/p-Xylenes	10.34	106	2053949	287.900	ug/l	98
69) o-Xylene	10.68	106	1009567	145.774	ug/l	98
70) Styrene	10.70	104	1753602	150.965	ug/l	99
71) Bromoform	10.84	173	502642	165.251	ug/l #	99
73) Isopropylbenzene	11.00	105	2666471	143.275	ug/l	100
74) N-amyl acetate	10.88	43	1130516	151.296	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	924682	137.205	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	835417m	136.400	ug/l	
77) Bromobenzene	11.24	156	670524	139.028	ug/l	99
78) n-propylbenzene	11.34	91	3078901	143.497	ug/l	99
79) 2-Chlorotoluene	11.40	91	1854035	142.069	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	2269065	144.160	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	349337	159.535	ug/l	96
82) 4-Chlorotoluene	11.49	91	2180932	143.364	ug/l	100
83) tert-Butylbenzene	11.76	119	2255440	144.730	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2321133	145.926	ug/l	99
85) sec-Butylbenzene	11.93	105	2582091	145.887	ug/l	99
86) p-Isopropyltoluene	12.05	119	2396480	146.733	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1217193	138.706	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1240824	138.420	ug/l	99
89) n-Butylbenzene	12.37	91	2193787	153.293	ug/l	99
90) Hexachloroethane	12.58	117	443383	159.657	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	1189244	138.429	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	222990	156.647	ug/l	99

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ClientSampleId :
VSTDICC150

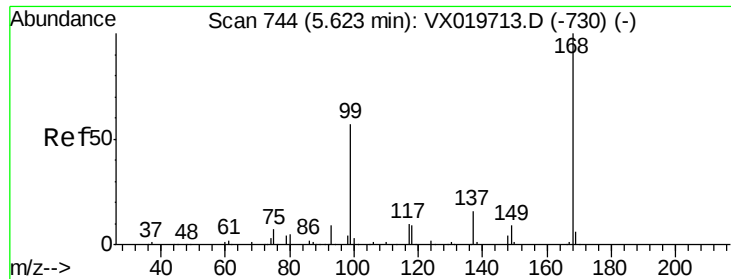
Manual Integrations
APPROVED

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12/7/2020 10:56:29 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 13:12:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	857906	154.088	ug/l	99
94) Hexachlorobutadiene	13.76	225	349763	148.053	ug/l	98
95) Naphthalene	13.82	128	2811967	155.642	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	824062	149.208	ug/l	97

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



#1

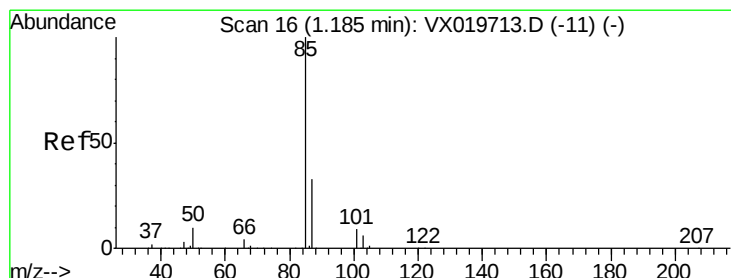
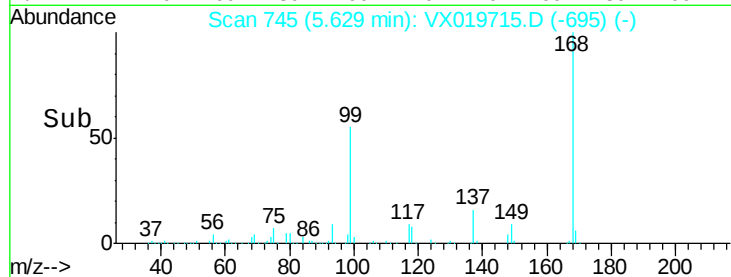
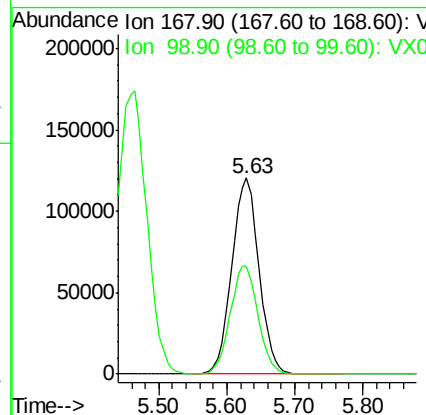
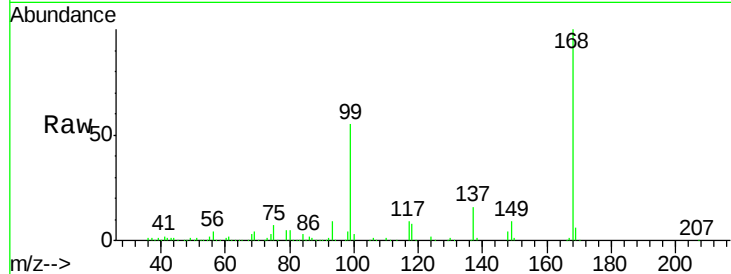
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.1	45.8	68.6

Manual Integrations
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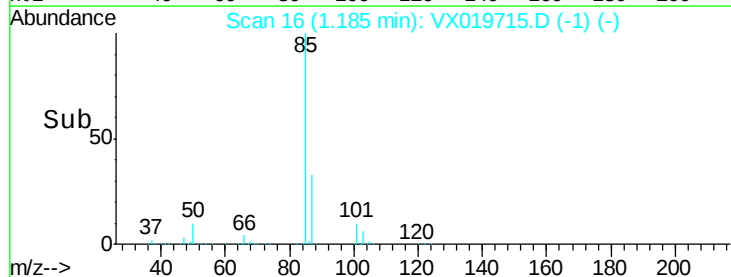
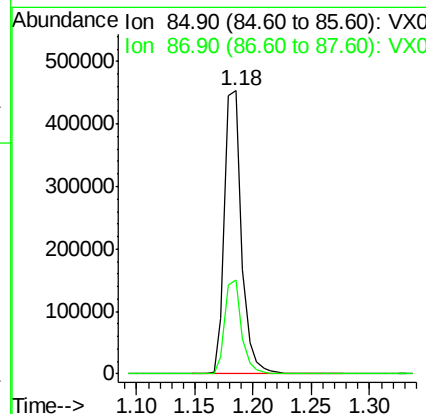
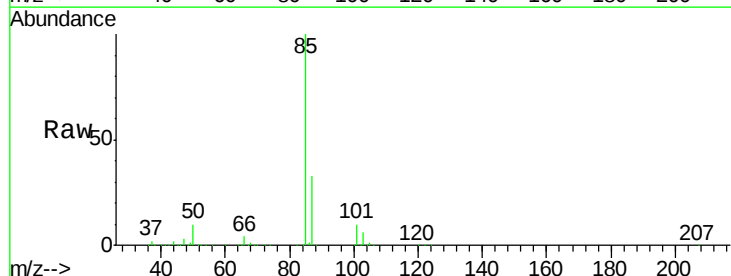
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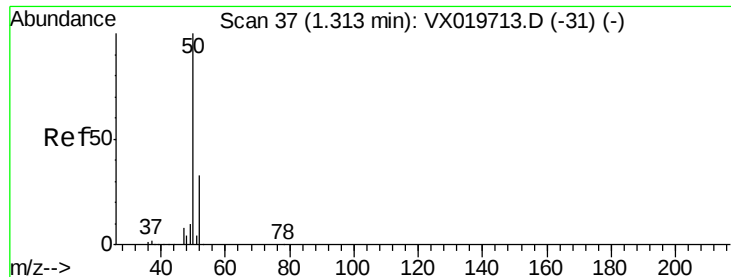


#2

Dichlorodifluoromethane
 Concen: 139.784 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.4	49.2





#3

Chloromethane

Concen: 112.407 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 503237

Ion Ratio Lower Upper

50 100

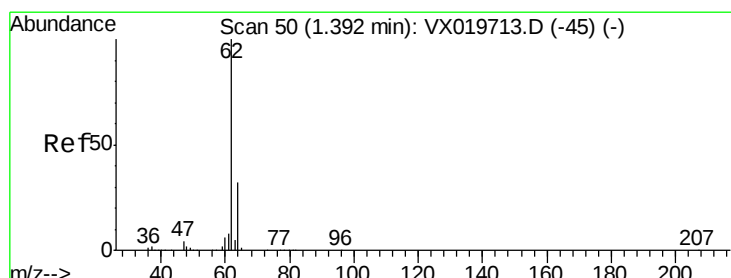
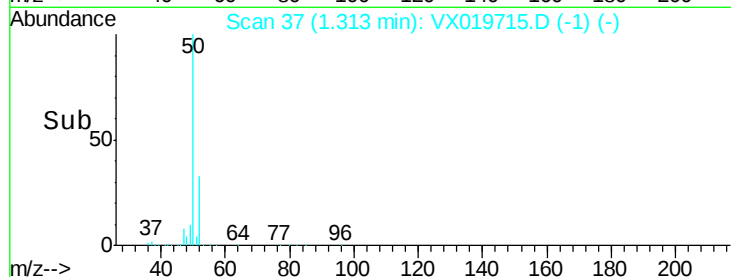
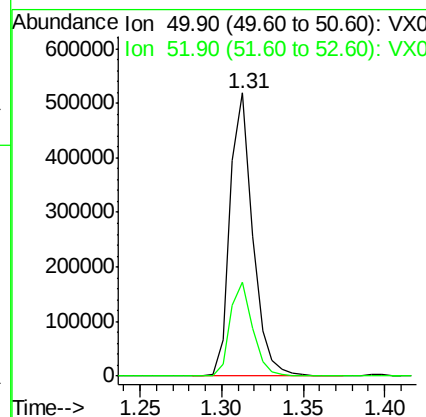
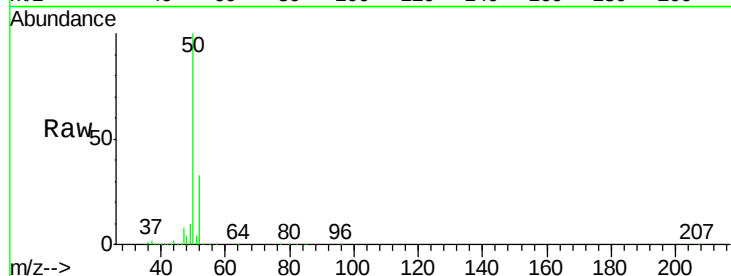
52 33.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 139.476 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019715.D

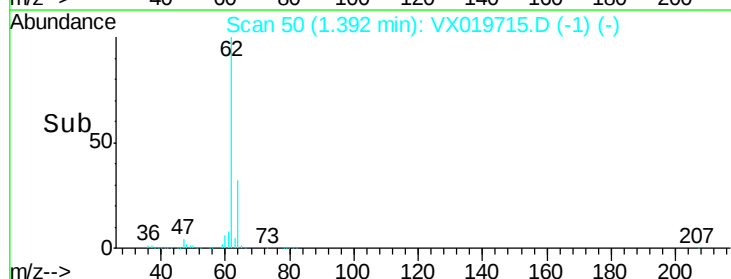
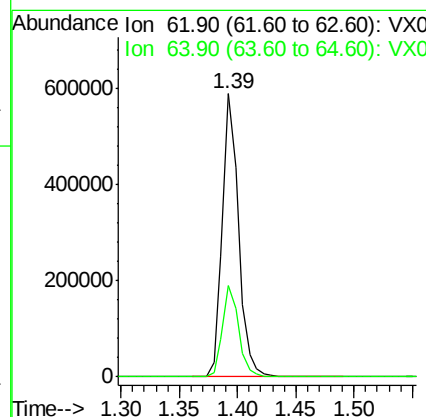
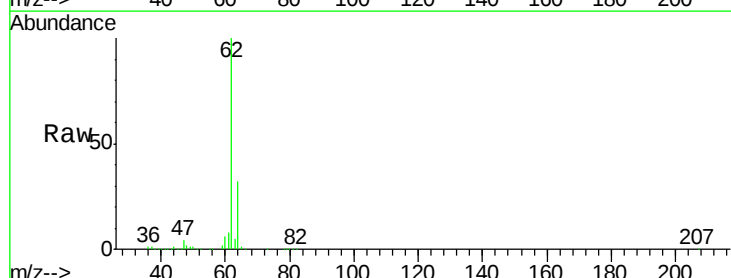
Acq: 04 Dec 2020 13:10

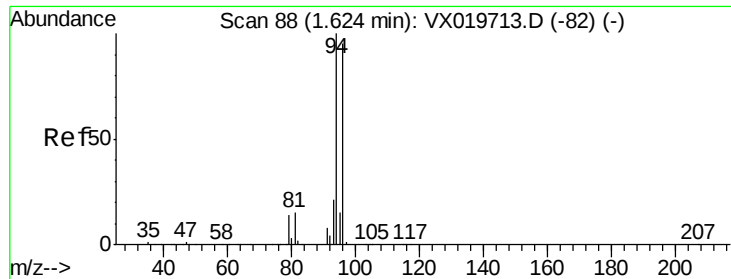
Tgt Ion: 62 Resp: 561850

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 114.653 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 164960

Ion Ratio Lower Upper

94 100

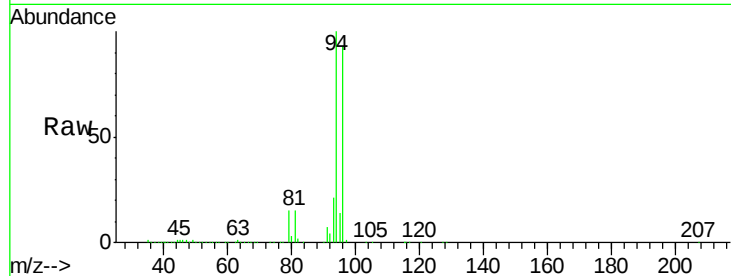
96 92.9 76.4 114.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200000

150000

100000

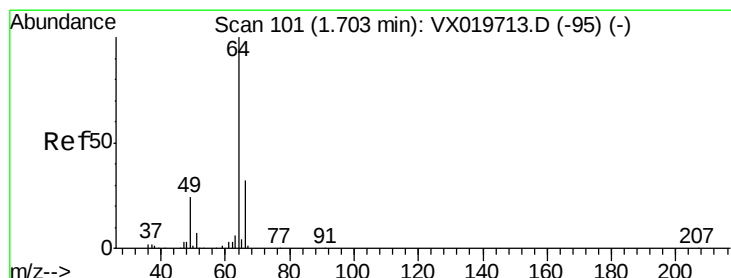
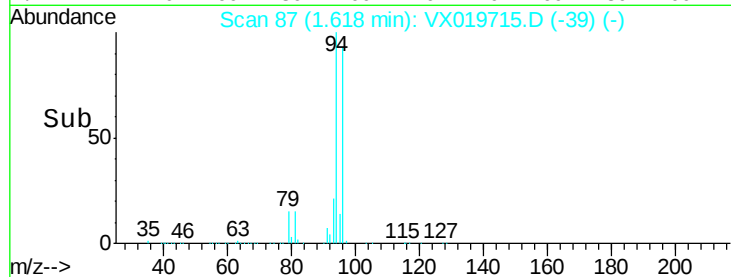
50000

0

1.62

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 50.463 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX019715.D

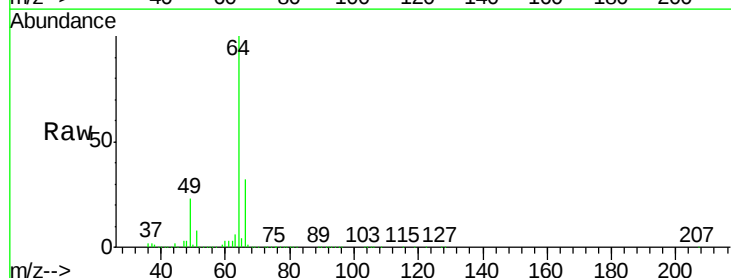
Acq: 04 Dec 2020 13:10

Tgt Ion: 64 Resp: 258591

Ion Ratio Lower Upper

64 100

66 32.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

300000

250000

200000

150000

100000

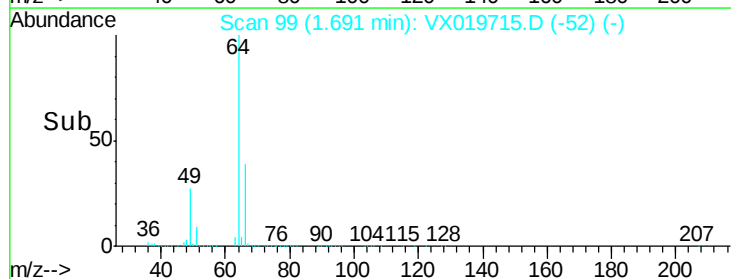
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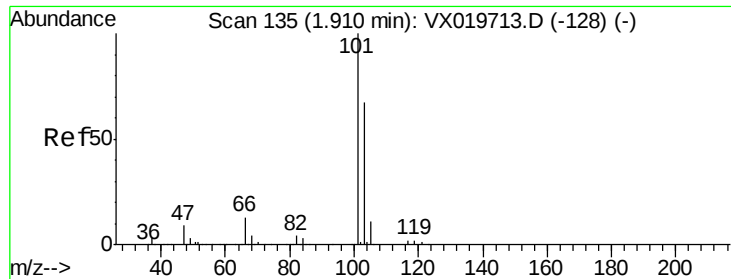
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1.69

1.60 1.65 1.70 1.75 1.80

Time-->





#7

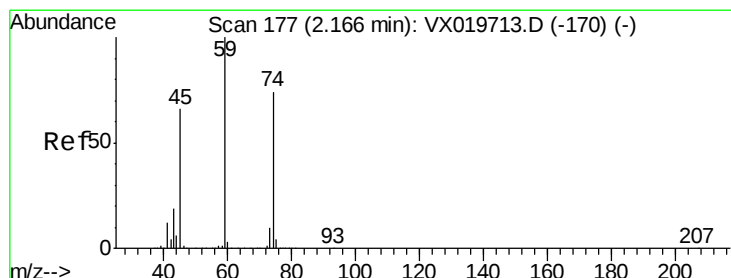
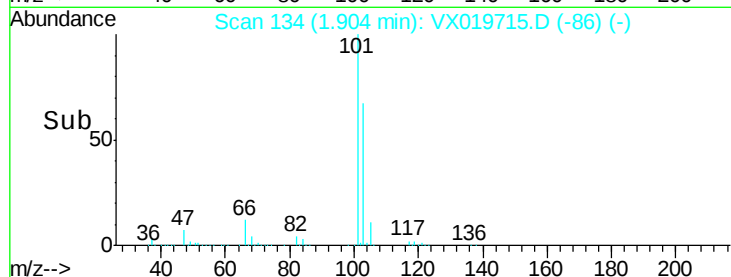
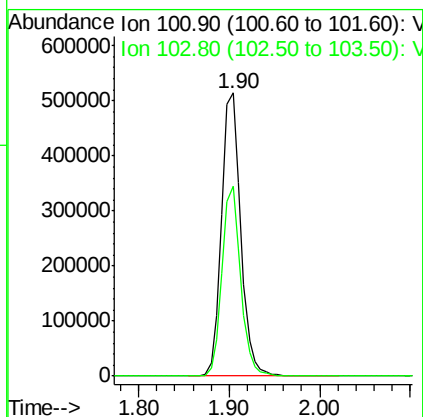
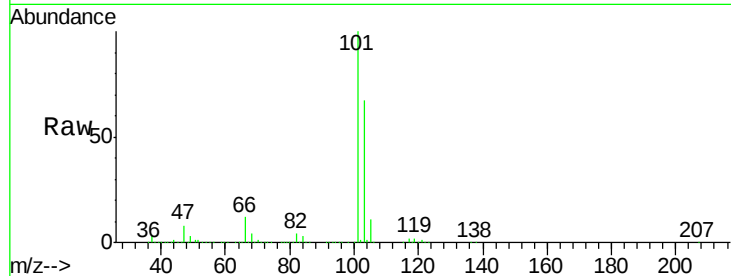
Trichlorofluoromethane
Concen: 136.588 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	53.2	79.8

Manual Integrations
APPROVED

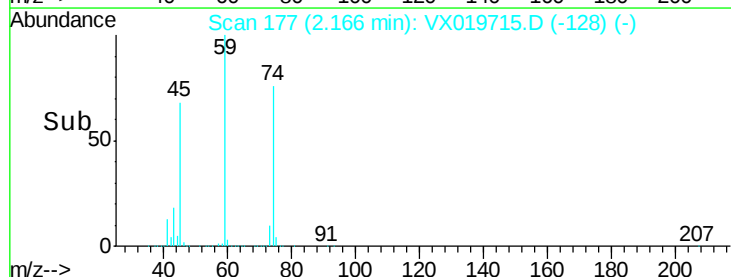
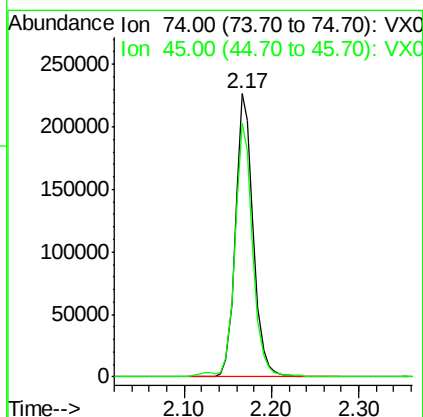
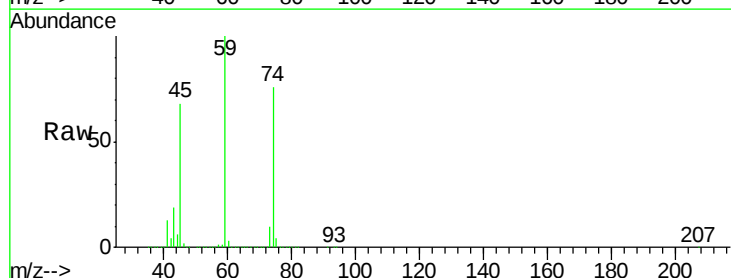
MMDadoda
12/7/2020 10:56:29 AM

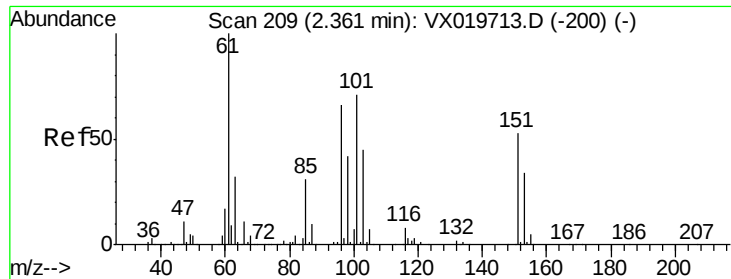


#8

Diethyl Ether
Concen: 137.362 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.9	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.798 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

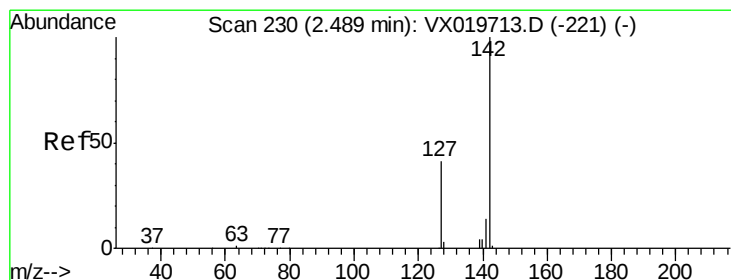
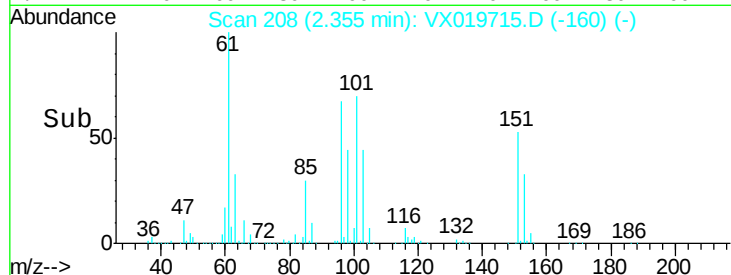
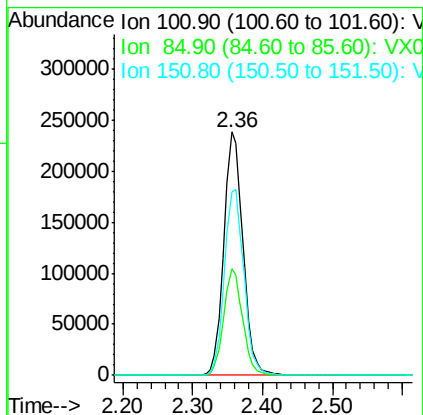
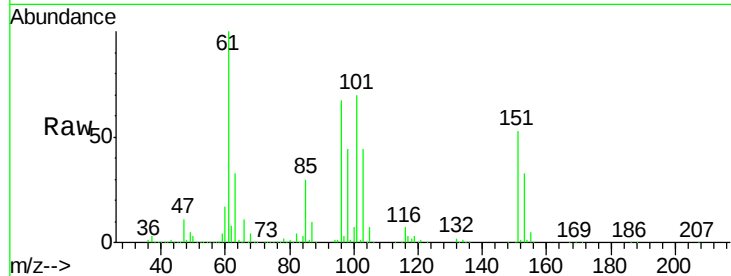
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	451872
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.9	52.3
151	78.0	61.4	92.2

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#10

Methyl Iodide

Concen: 152.079 ug/l

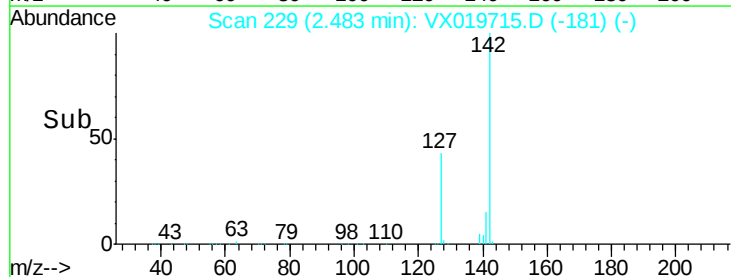
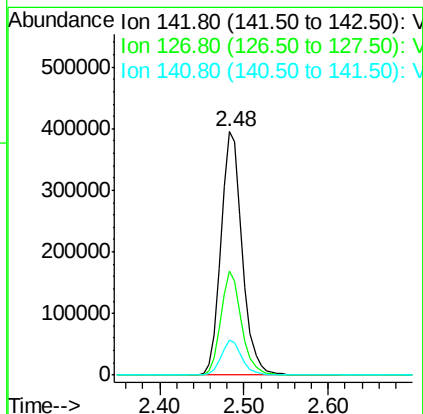
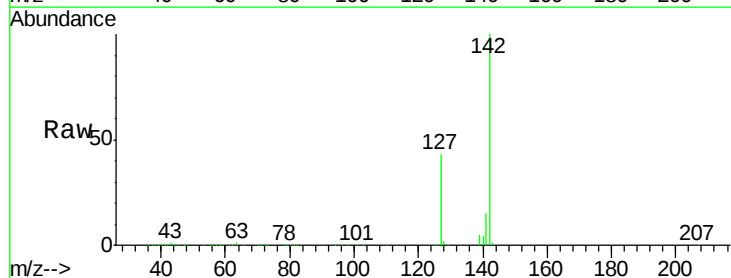
RT: 2.48 min Scan# 229

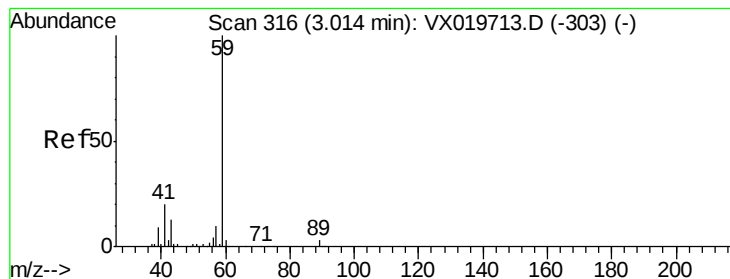
Delta R.T. -0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Tgt Ion:	142	Resp:	688408
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.3	49.9
141	14.0	11.4	17.0





#11

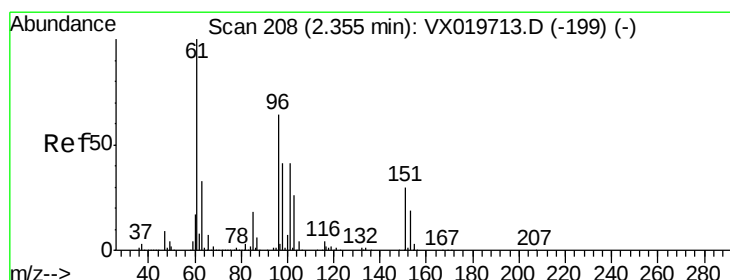
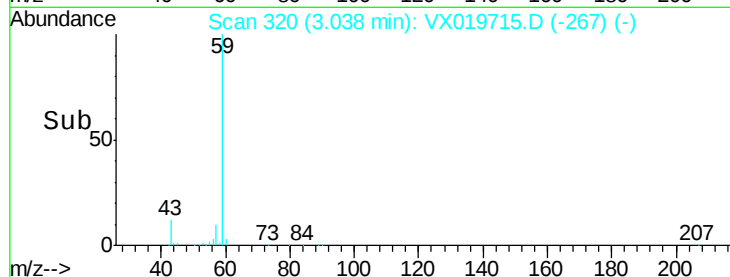
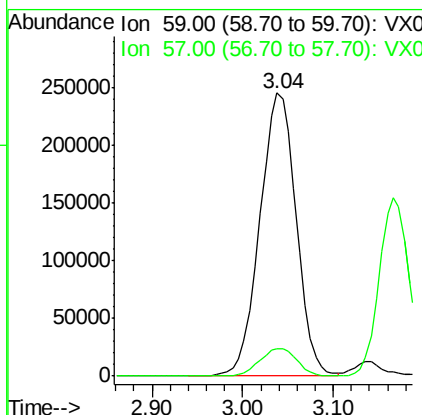
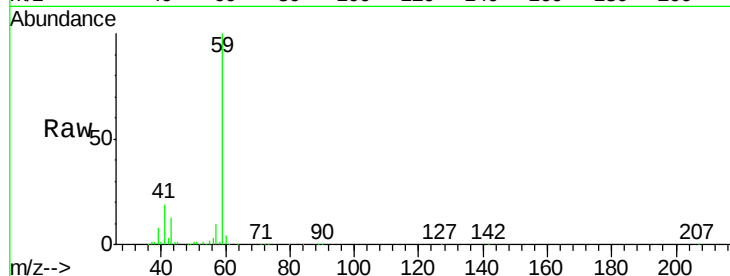
Tert butyl alcohol
Concen: 694.013 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	679964		
57	57	10.1		7.8	11.8

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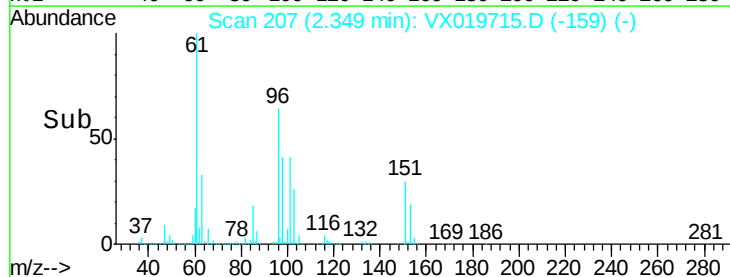
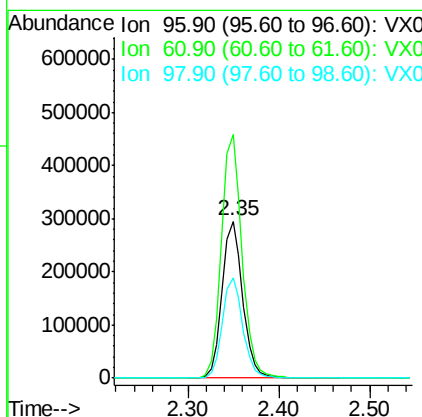
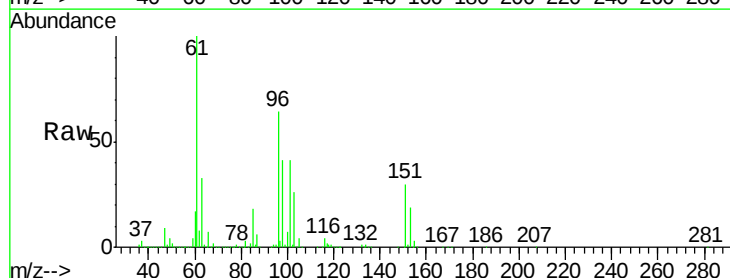
MMDadoda
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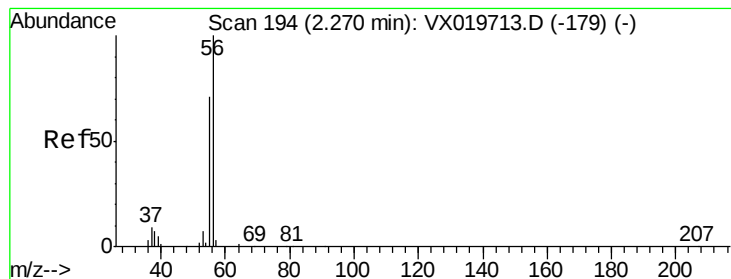


#12

1,1-Dichloroethene
Concen: 140.478 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	465077		
61	61	155.4		124.6	187.0
98	98	63.7		50.6	76.0





#13

Acrolein

Concen: 683.783 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 385150

Ion Ratio Lower Upper

56 100

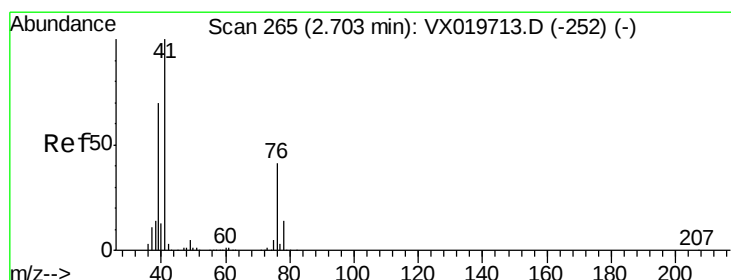
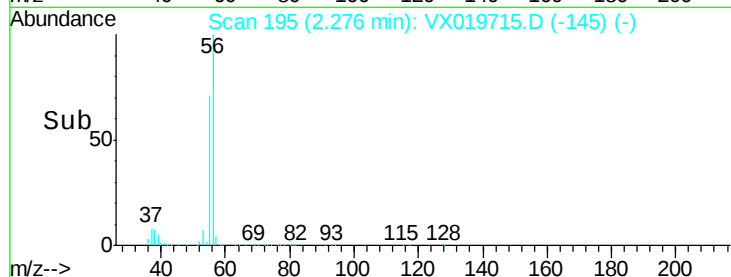
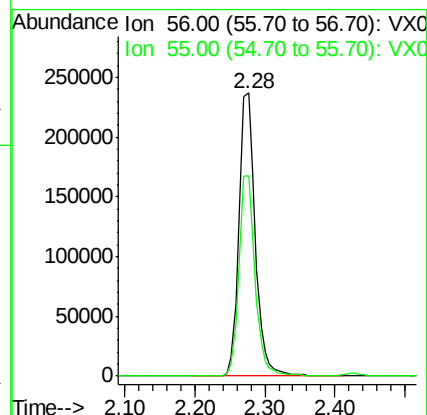
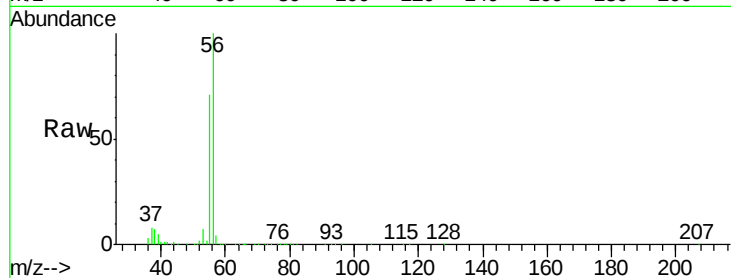
55 70.2 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 144.704 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

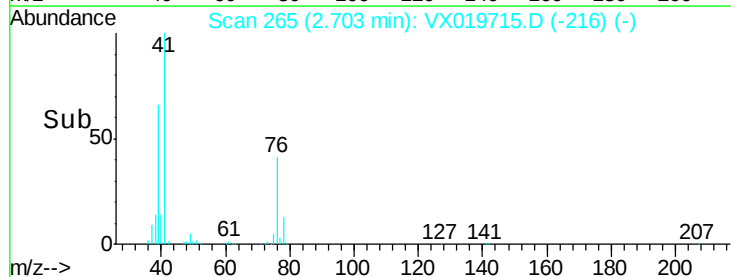
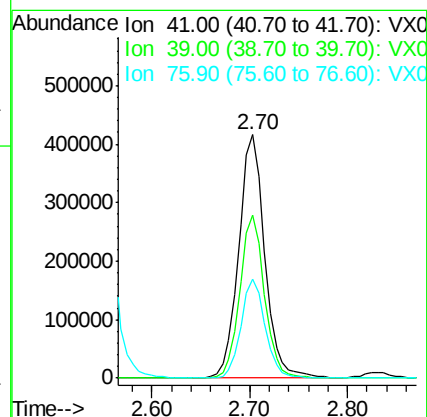
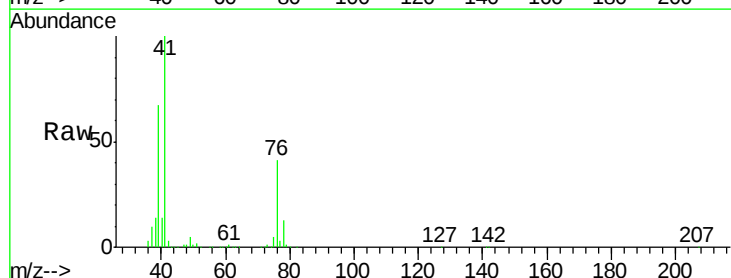
Tgt Ion: 41 Resp: 770264

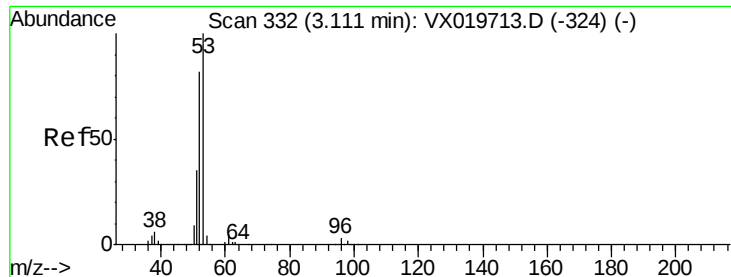
Ion Ratio Lower Upper

41 100

39 63.2 51.6 77.4

76 37.8 30.5 45.7





#15

Acrylonitrile

Concen: 732.964 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1500915

Ion Ratio Lower Upper

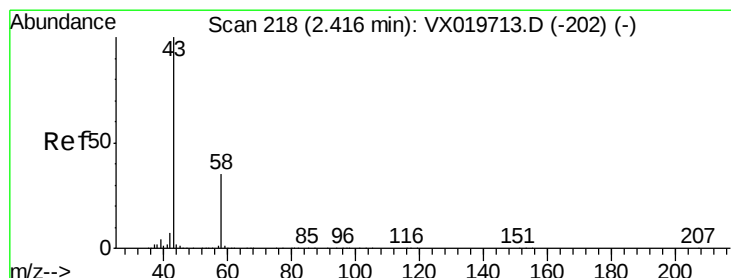
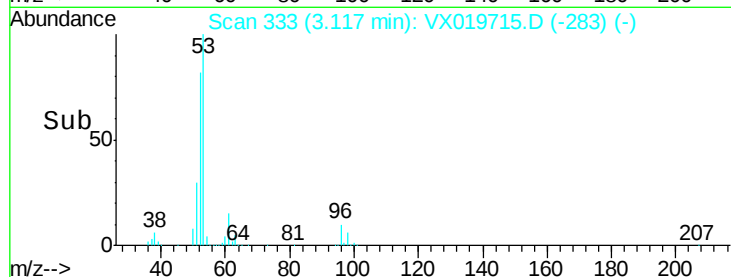
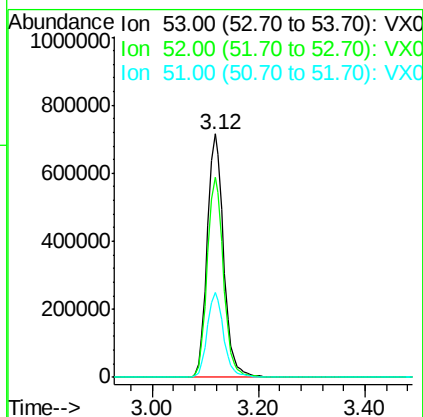
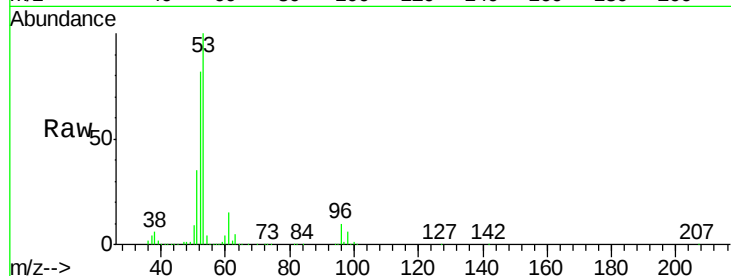
53 100

52 81.7 65.3 97.9

51 35.0 28.2 42.2

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#16

Acetone

Concen: 682.132 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019715.D

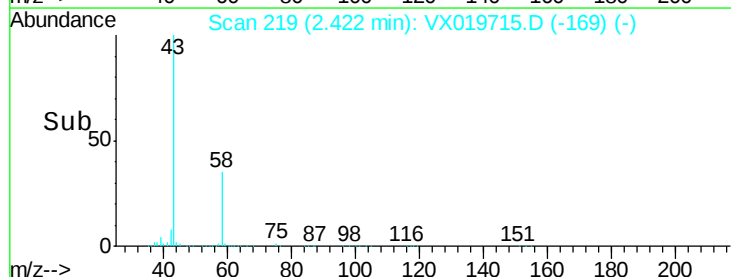
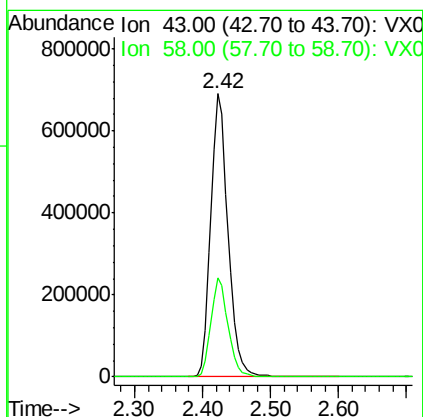
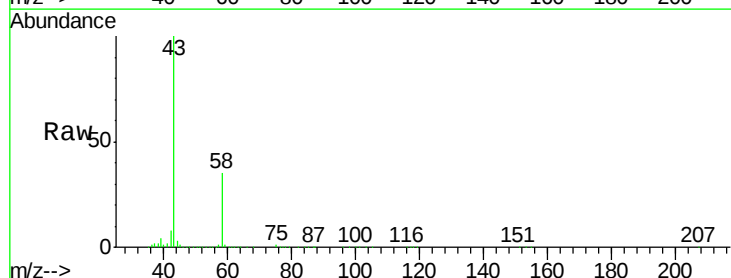
Acq: 04 Dec 2020 13:10

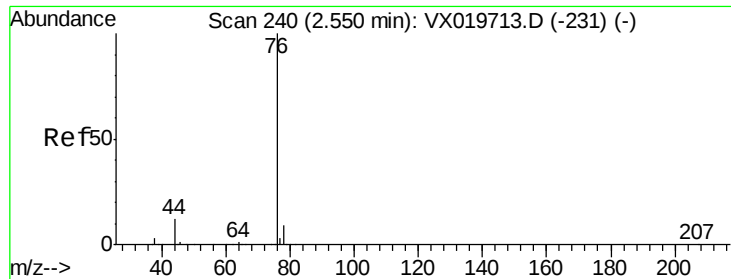
Tgt Ion: 43 Resp: 1214027

Ion Ratio Lower Upper

43 100

58 35.0 27.8 41.8





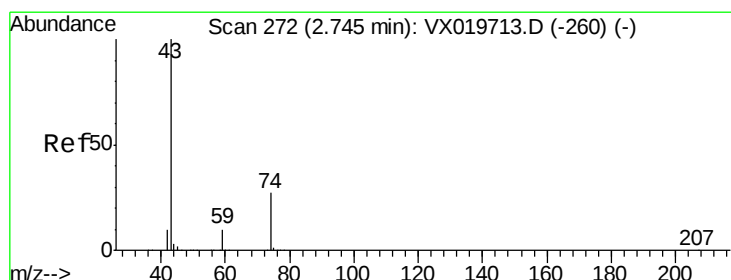
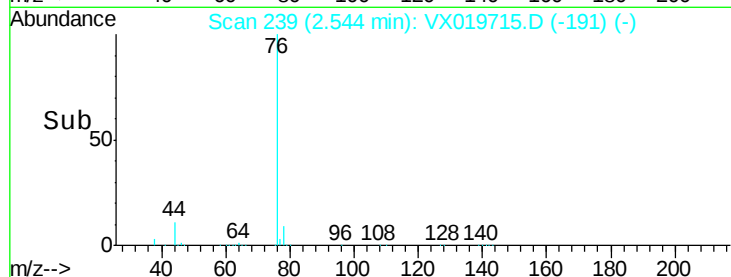
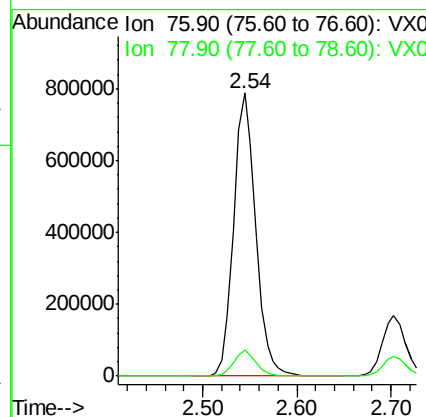
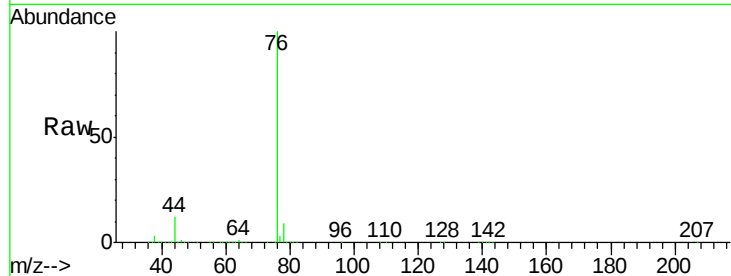
#17
Carbon Disulfide
Concen: 142.694 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1281430
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

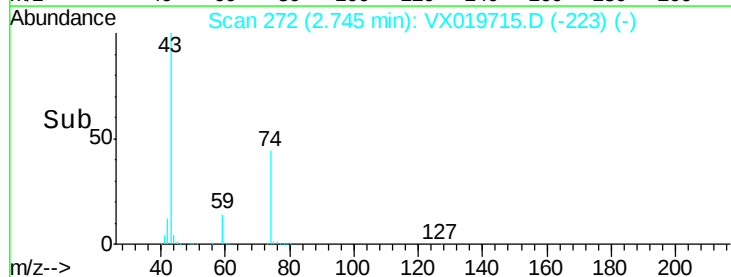
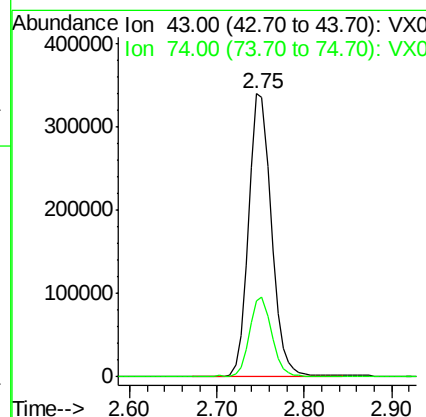
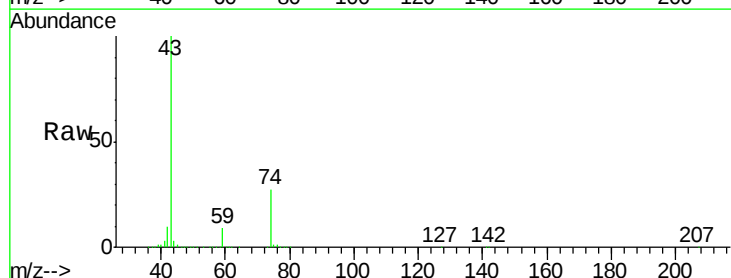
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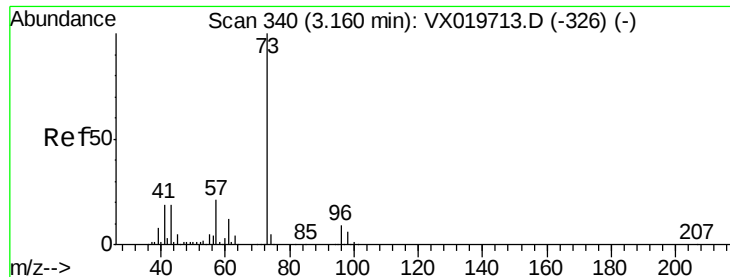
MMDadoda
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#18
Methyl Acetate
Concen: 137.895 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion: 43 Resp: 616503
Ion Ratio Lower Upper
43 100
74 27.8 21.9 32.9





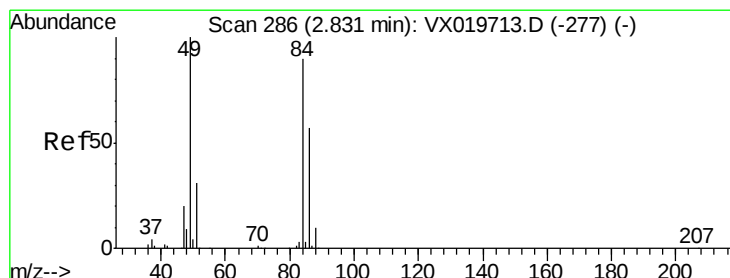
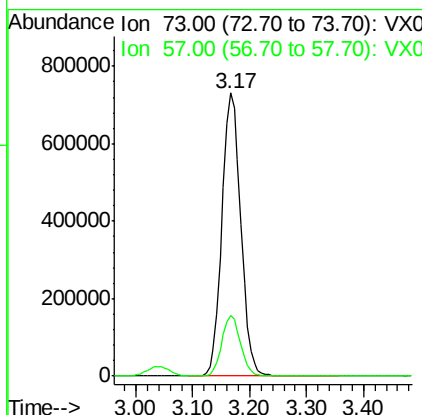
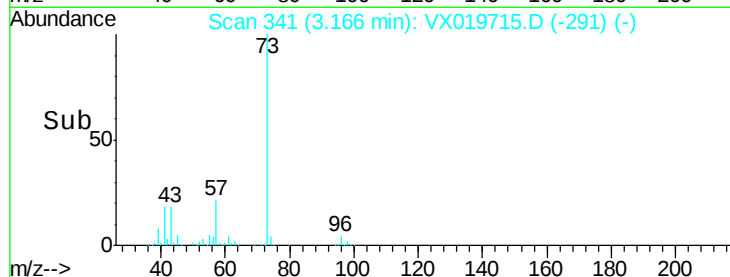
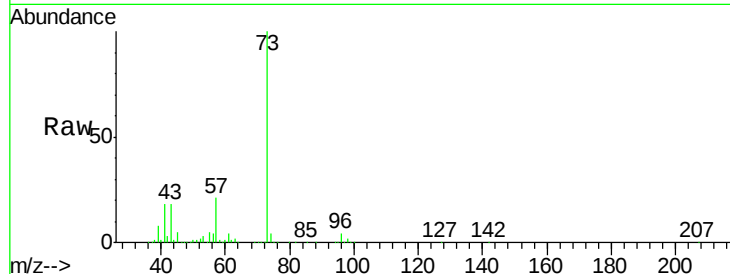
#19
Methyl tert-butyl Ether
Concen: 143.588 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1675977
Ion Ratio Lower Upper
73 100
57 21.2 17.1 25.7

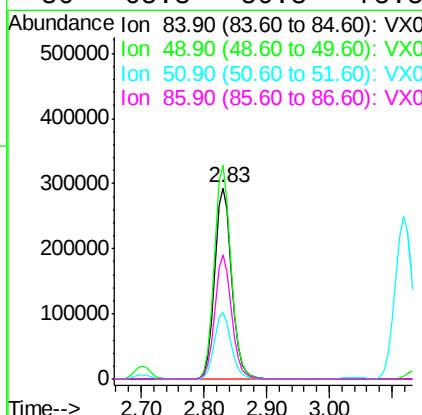
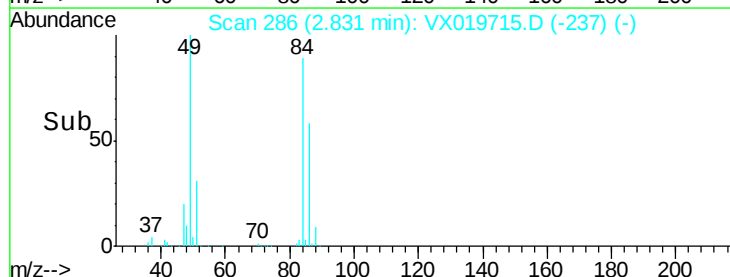
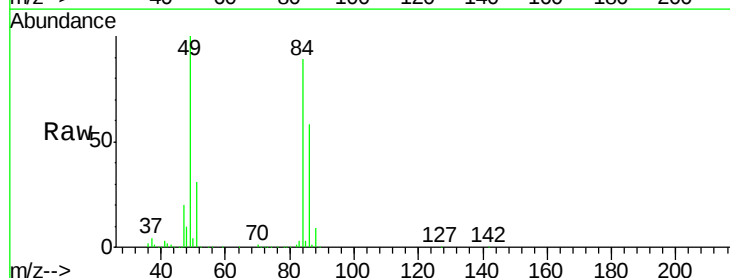
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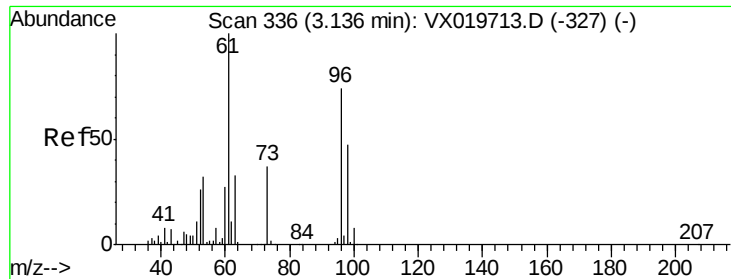
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#20
Methylene Chloride
Concen: 120.852 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion: 84 Resp: 549504
Ion Ratio Lower Upper
84 100
49 111.8 88.6 132.8
51 35.1 27.0 40.6
86 65.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 139.280 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

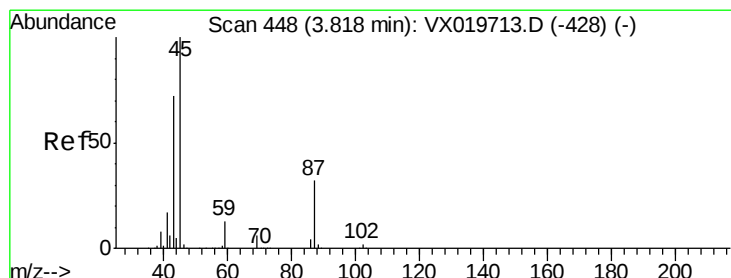
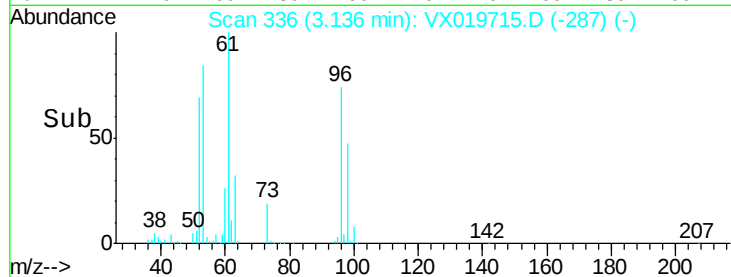
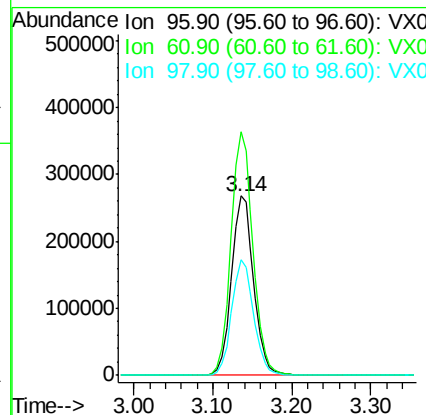
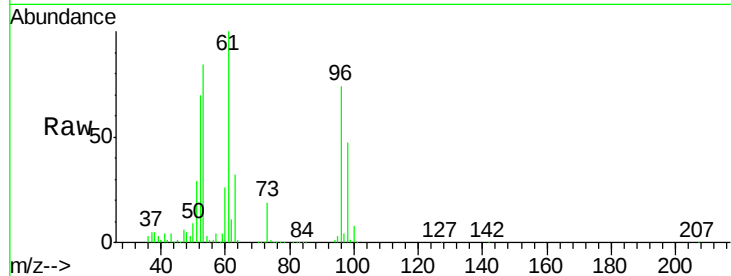
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	521034
Ion	Ratio	Lower	Upper
96	100		
61	135.7	107.7	161.5
98	64.3	50.4	75.6

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#22

Diisopropyl ether

Concen: 140.349 ug/l

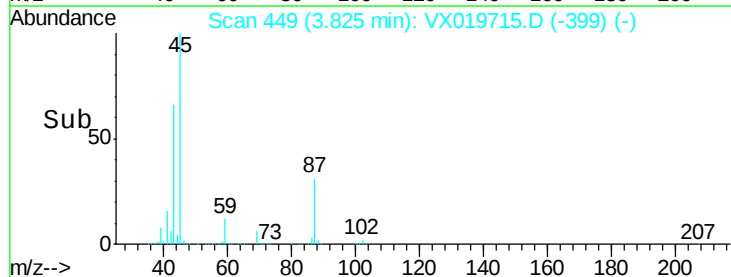
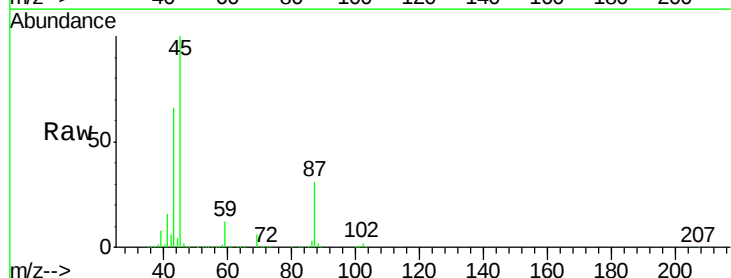
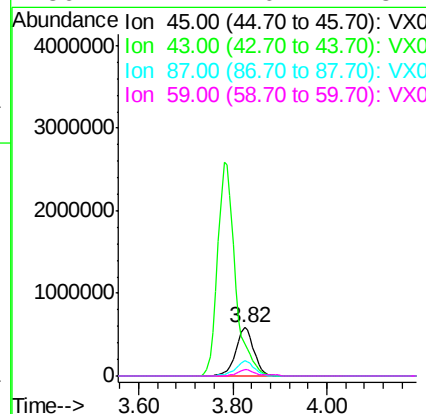
RT: 3.82 min Scan# 449

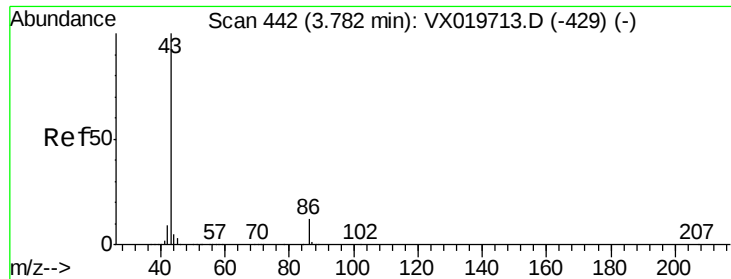
Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Tgt Ion:	45	Resp:	1546884
Ion	Ratio	Lower	Upper
45	100		
43	66.3	58.0	87.0
87	31.0	25.4	38.0
59	12.4	10.2	15.2





#23

Vinyl Acetate

Concen: 725.140 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 6729849

Ion Ratio Lower Upper

43 100

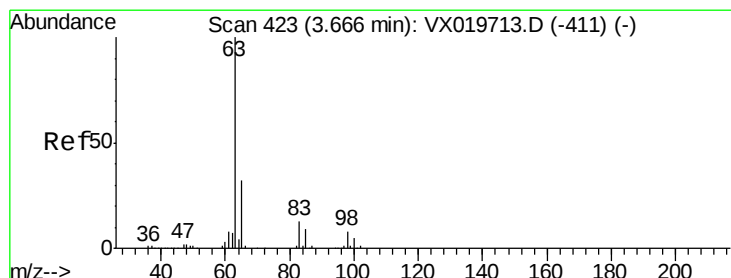
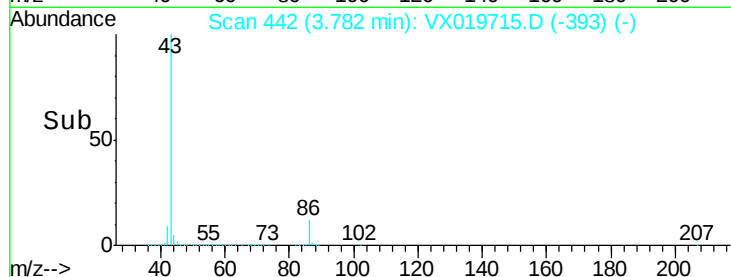
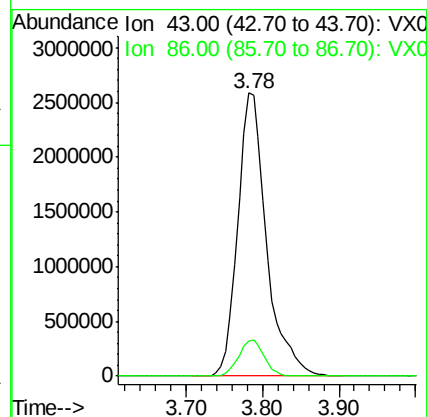
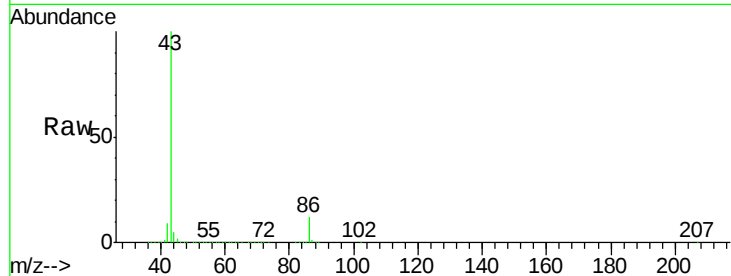
86 12.5 9.9 14.9

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#24

1,1-Dichloroethane

Concen: 137.258 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

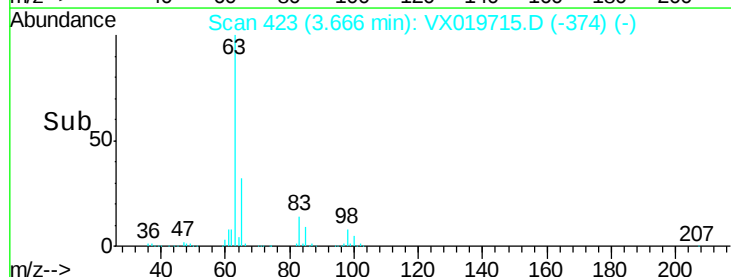
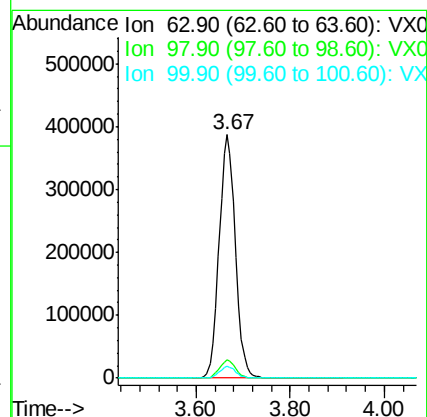
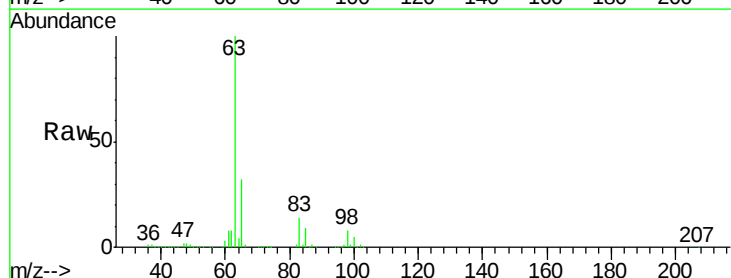
Tgt Ion: 63 Resp: 916487

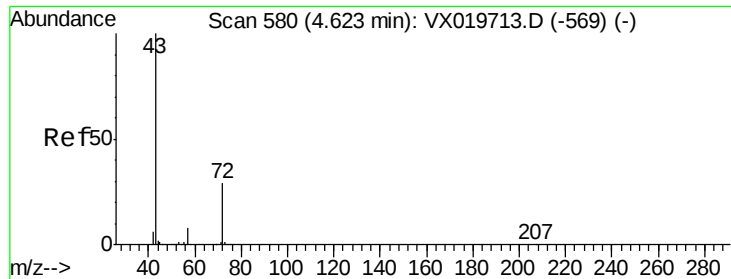
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

100 4.9 2.5 7.5





#25

2-Butanone

Concen: 743.786 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Tot Ion: 43 Resp: 1956462

Ion Ratio Lower Upper

43 100

72 29.9 23.7 35.5

Instrument :

MSVOA_X

ClientSampleId :

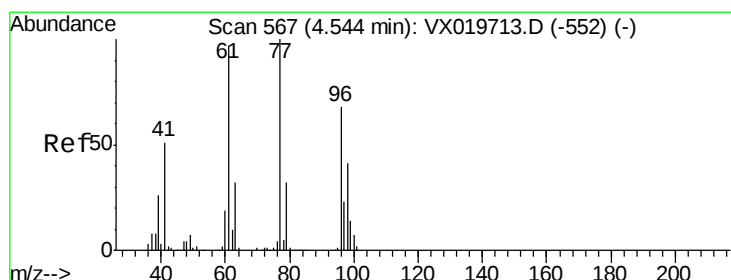
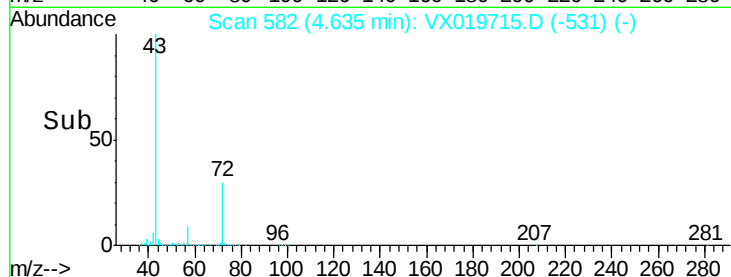
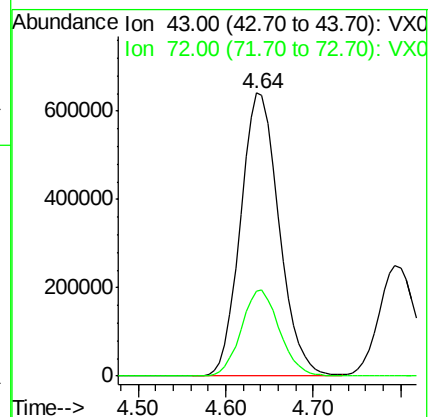
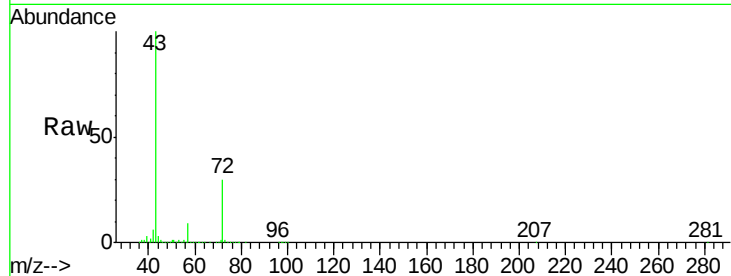
VSTDIC150

Manual Integrations

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12/7/2020 10:56:29 AM



#26

2,2-Dichloropropane

Concen: 146.169 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX019715.D

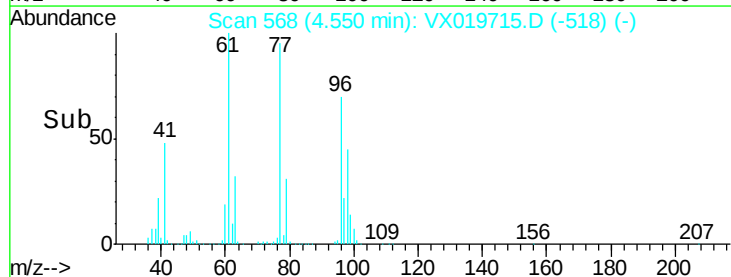
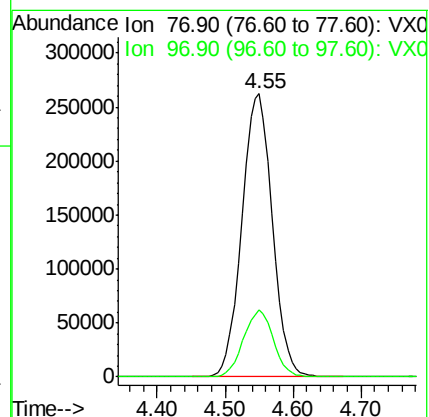
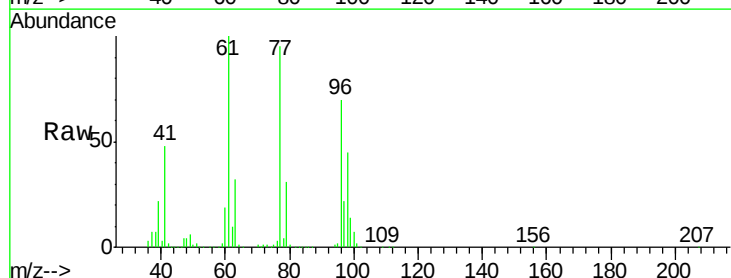
Acq: 04 Dec 2020 13:10

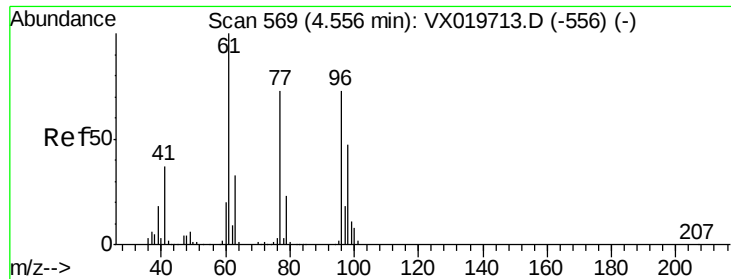
Tgt Ion: 77 Resp: 814689

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





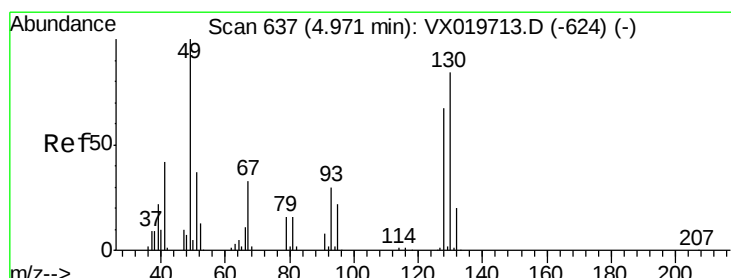
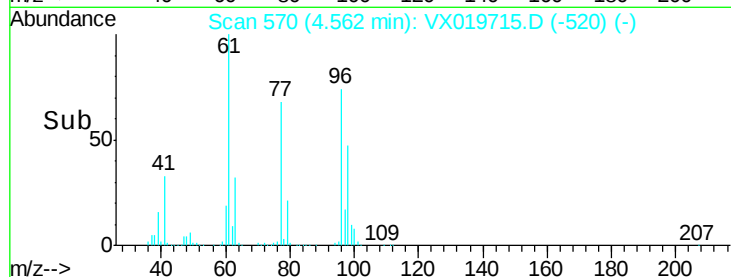
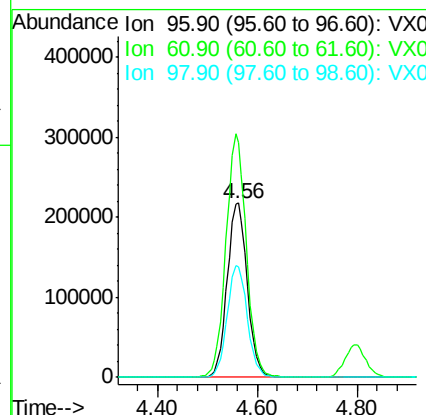
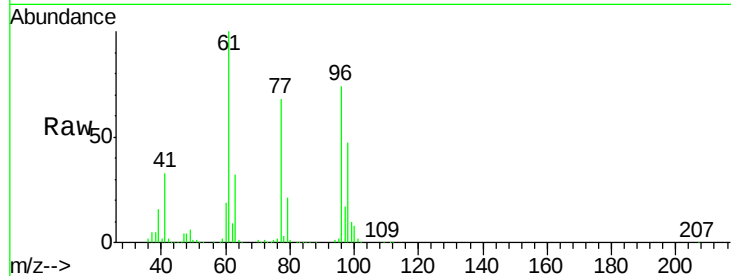
#27
 cis-1,2-Dichloroethene
 Concen: 139.318 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.7	0.0	285.6	
98	64.3	0.0	129.6	

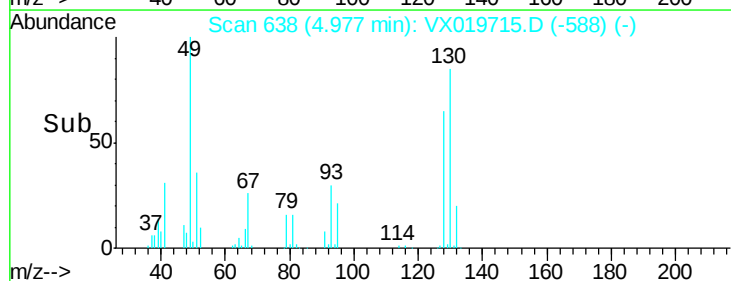
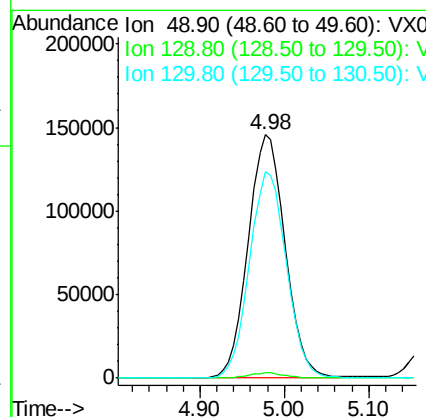
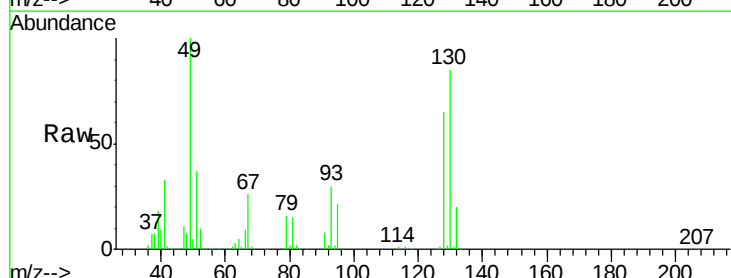
Manual Integrations
 APPROVED

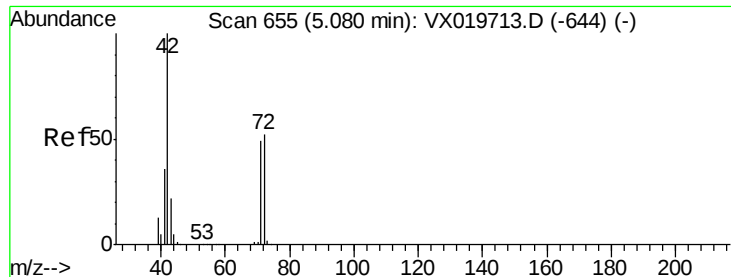
MMDadoda
 12/7/2020 10:56:29 AM



#28
 Bromochloromethane
 Concen: 143.014 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	85.0	68.2	102.2	





#29

Tetrahydrofuran

Concen: 741.957 ug/l

RT: 5.09 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 1248143

Ion Ratio Lower Upper

42 100

72 52.0 41.7 62.5

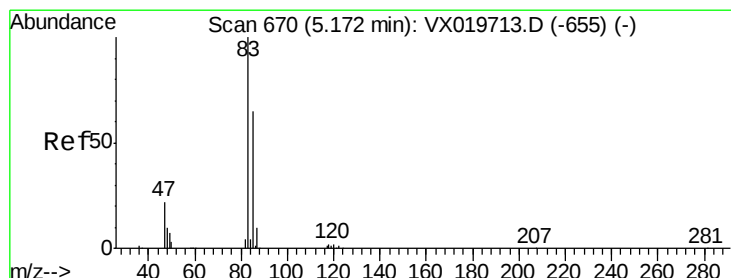
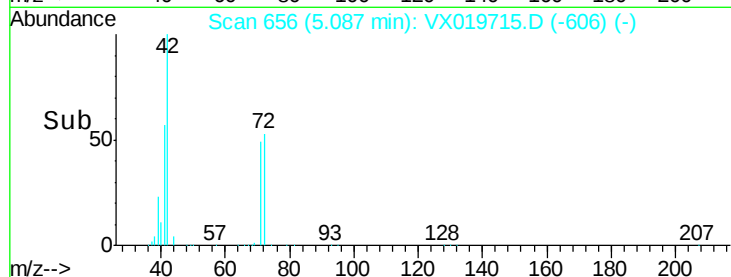
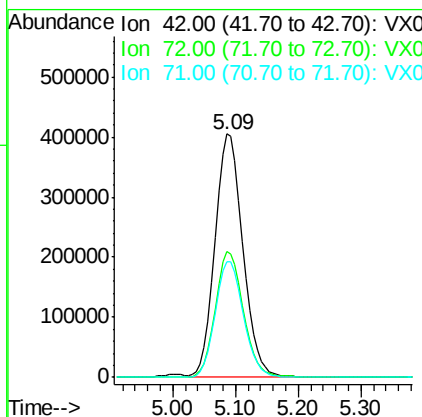
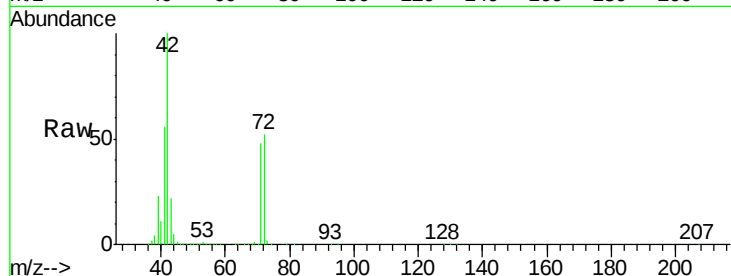
71 48.2 38.4 57.6

Manual Integrations

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#30

Chloroform

Concen: 137.639 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX019715.D

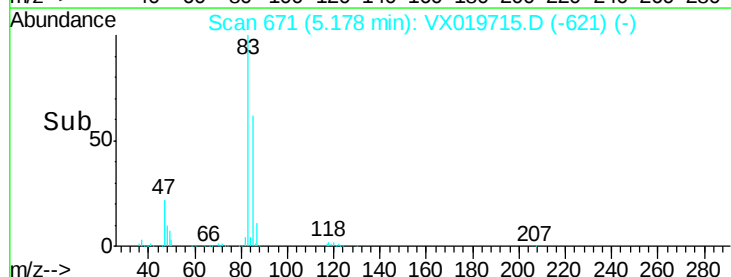
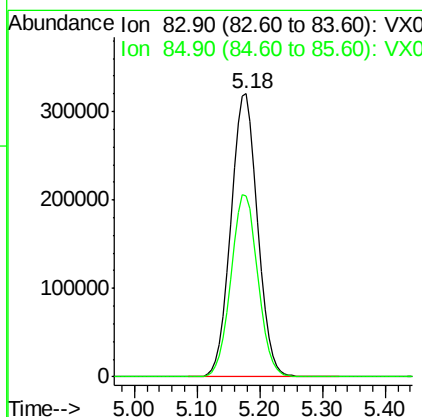
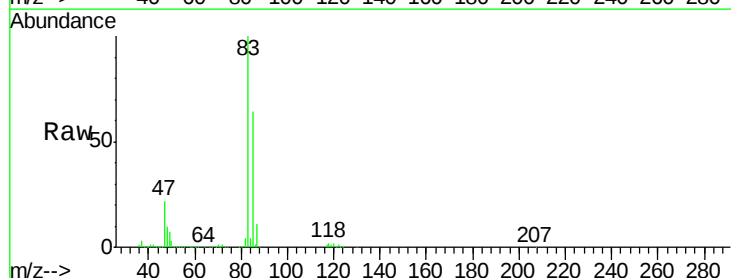
Acq: 04 Dec 2020 13:10

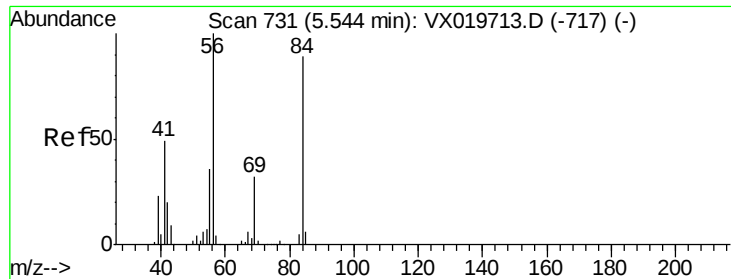
Tgt Ion: 83 Resp: 944063

Ion Ratio Lower Upper

83 100

85 64.2 52.0 78.0





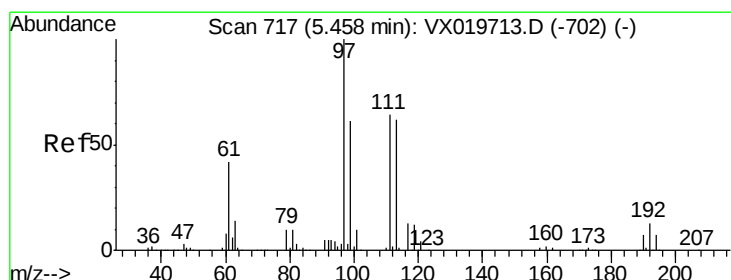
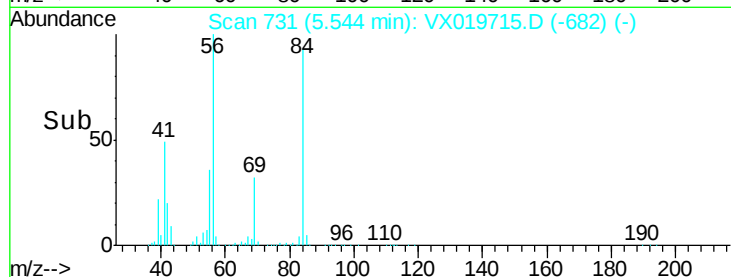
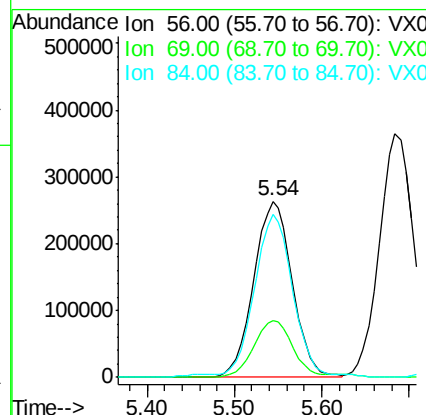
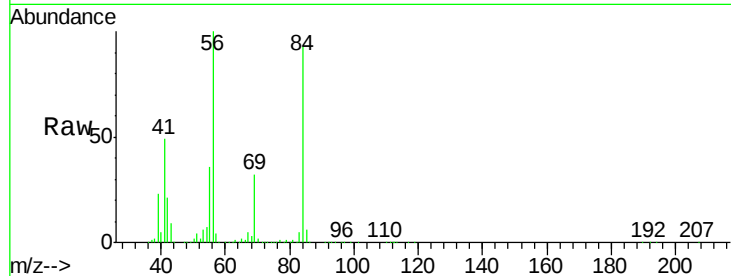
#31
Cyclohexane
Concen: 138.151 ug/l
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.3	37.9
84	91.0	71.4	107.0

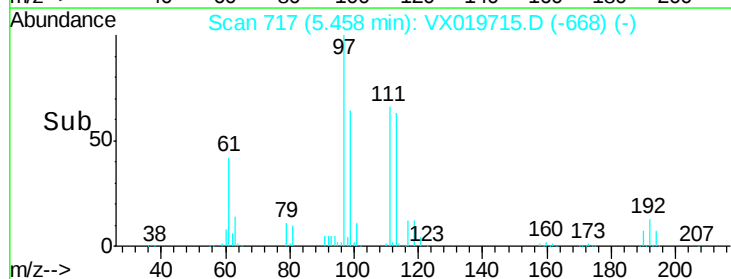
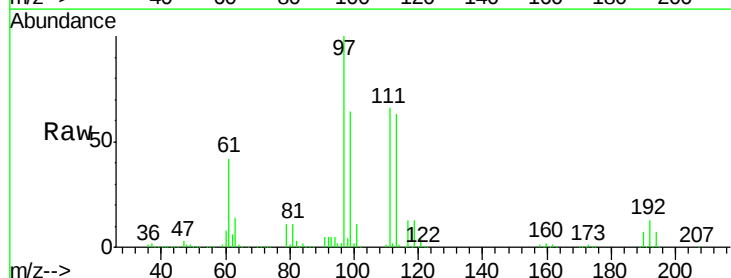
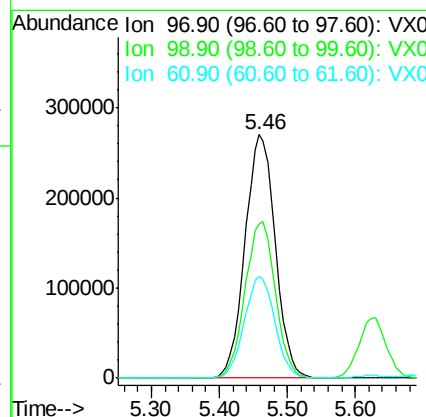
Manual Integrations
APPROVED

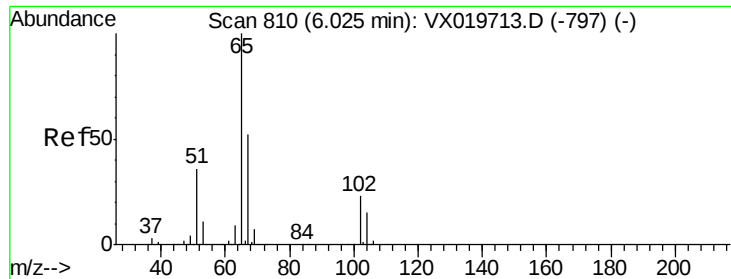
MMDadoda
12/7/2020 10:56:29 AM



#32
1,1,1-Trichloroethane
Concen: 142.444 ug/l
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	42.2	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 137.855 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 608974

Ion Ratio Lower Upper

65 100

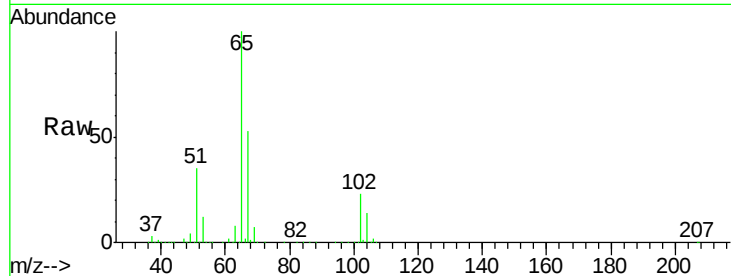
67 53.4 0.0 105.4

Manual Integrations

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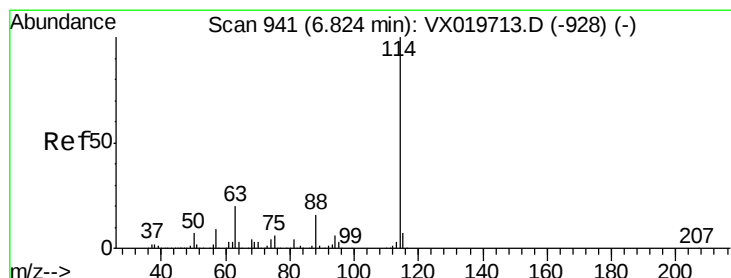
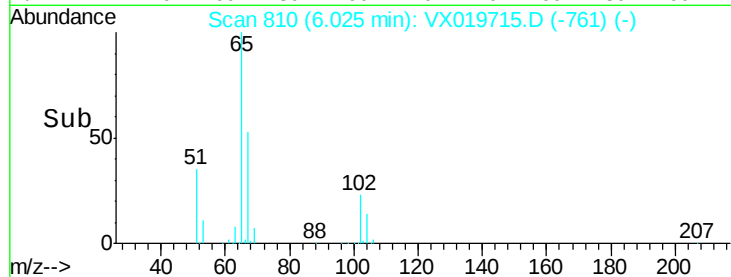
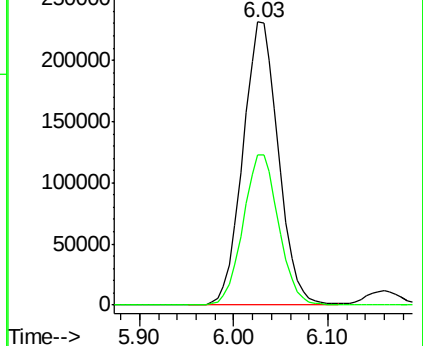
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

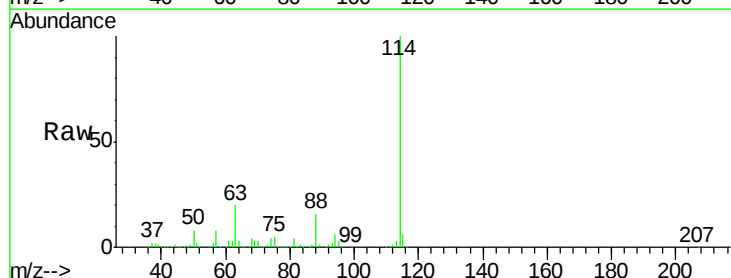
Tgt Ion: 114 Resp: 541720

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

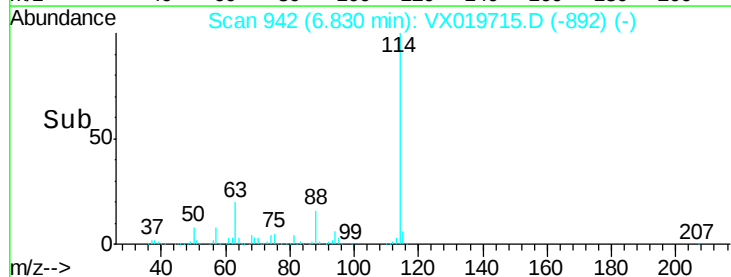
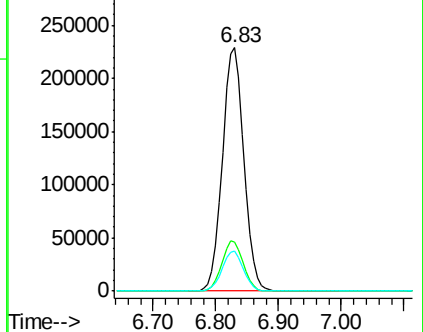
88 16.2 0.0 32.8

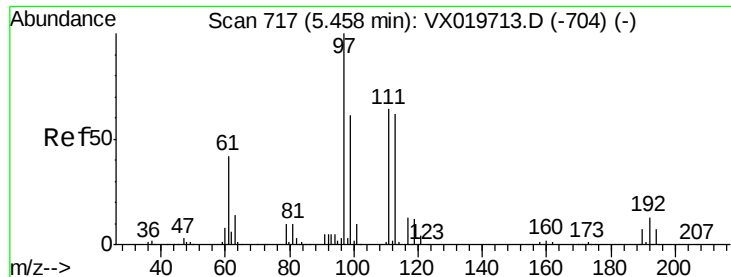


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





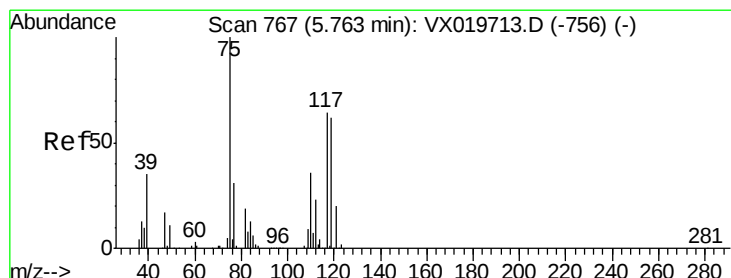
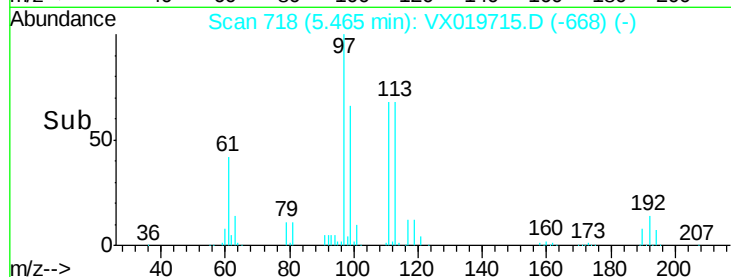
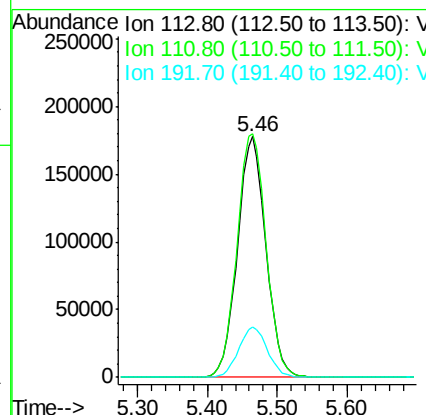
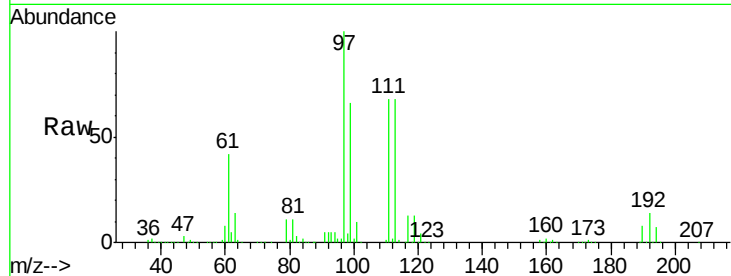
#35
Dibromofluoromethane
Concen: 140.933 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	500116		
111	103.8		81.9	122.9
192	21.2		16.7	25.1

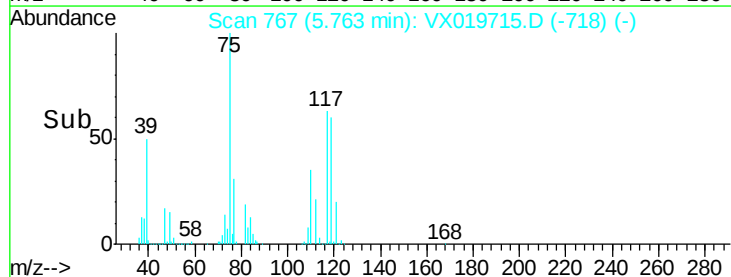
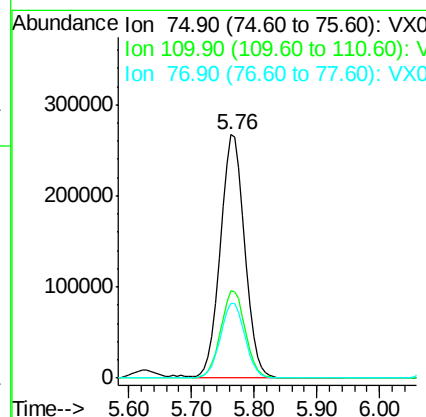
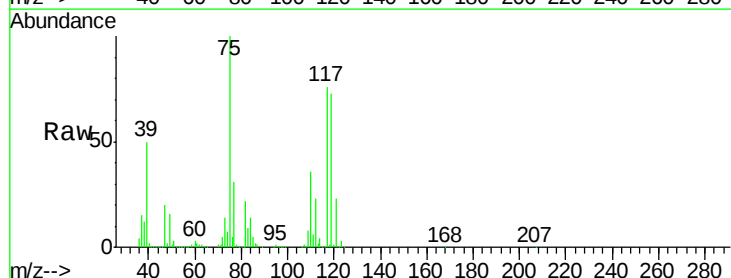
Manual Integrations
APPROVED

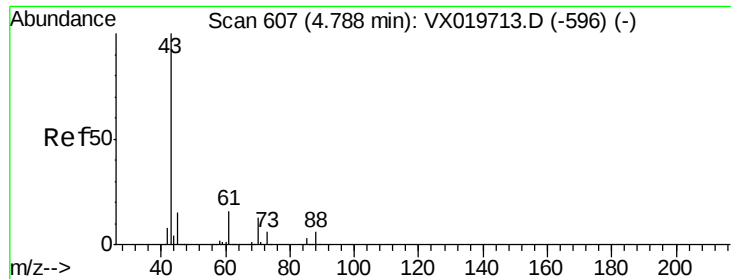
MMDadoda
12/7/2020 10:56:29 AM



#36
1,1-Dichloropropene
Concen: 143.108 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	716768		
110	36.2		18.1	54.4
77	31.1		25.3	37.9





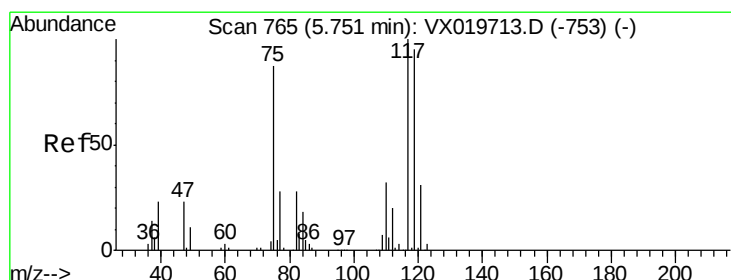
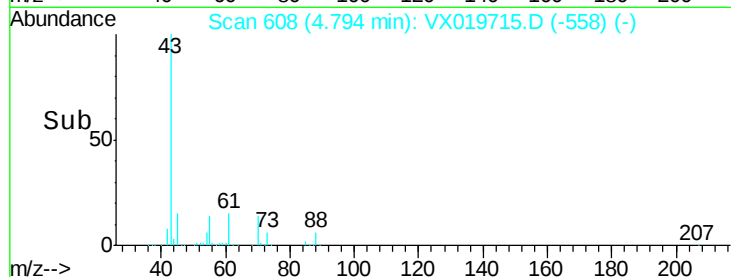
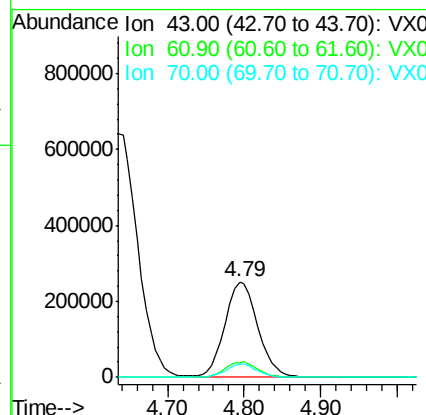
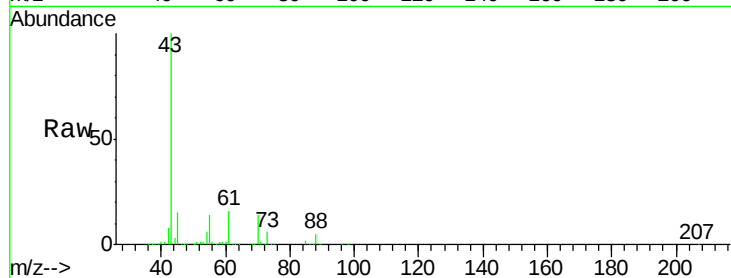
#37
Ethyl Acetate
Concen: 149.455 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.8	19.2
70	13.1	10.5	15.7

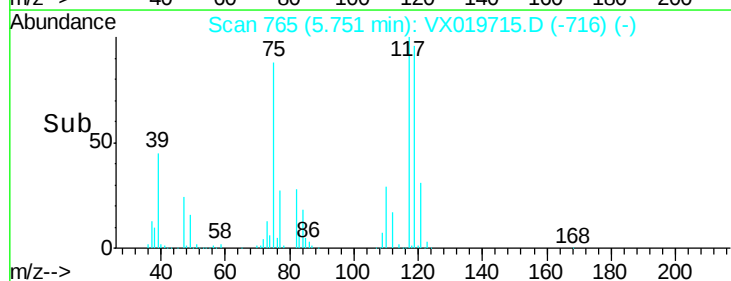
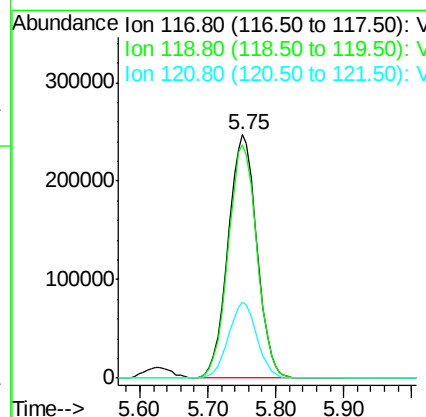
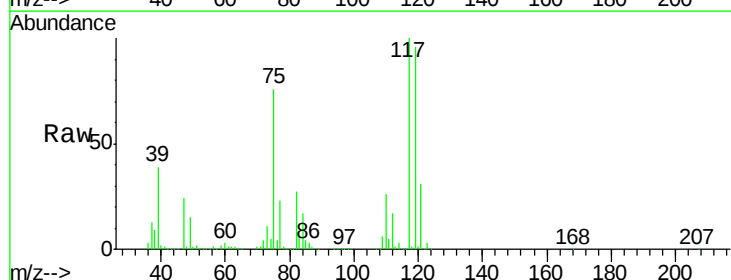
Manual Integrations
APPROVED

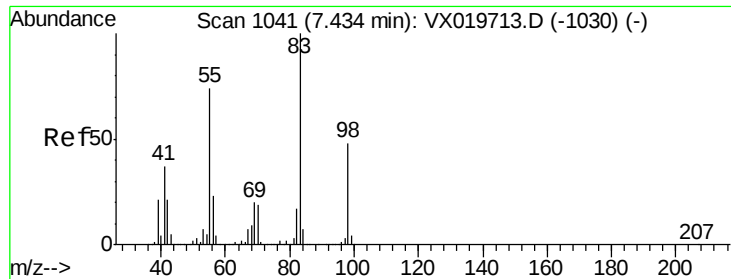
MMDadoda
12/7/2020 10:56:29 AM



#38
Carbon Tetrachloride
Concen: 144.864 ug/l
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	31.1	24.8	37.2





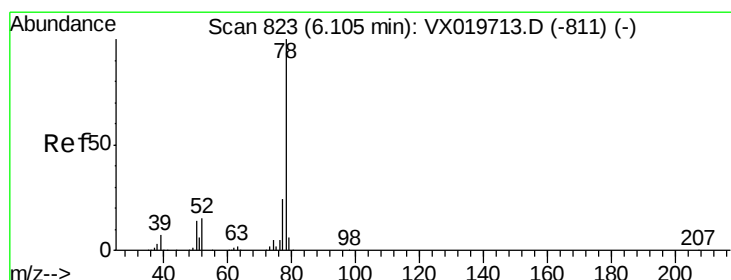
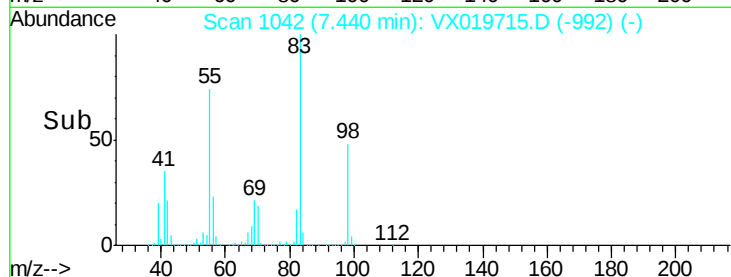
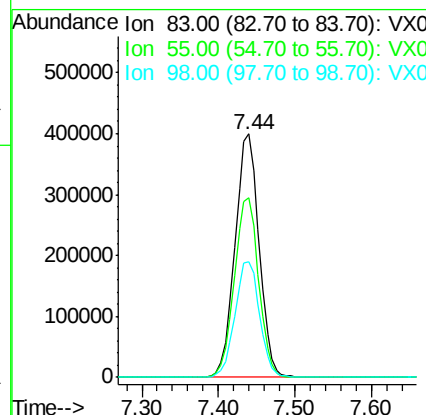
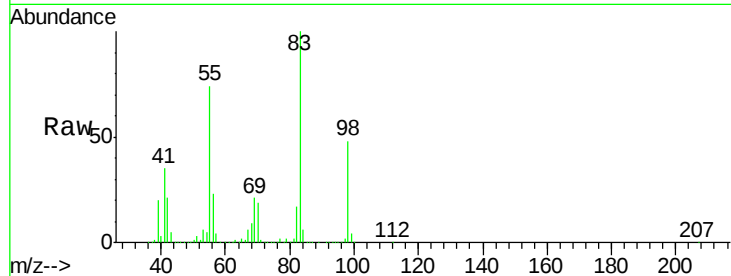
#39
Methylvlcyclohexane
Concen: 147.416 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.9	88.3
98	47.7	38.1	57.1

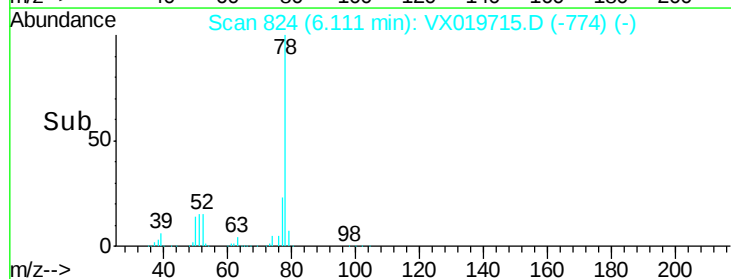
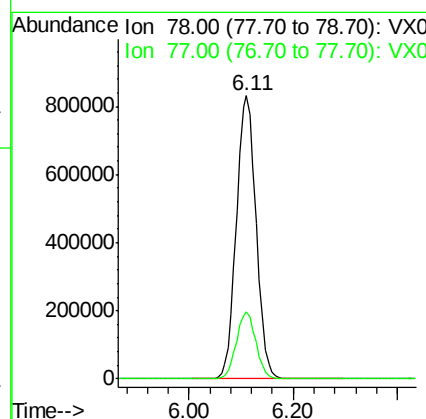
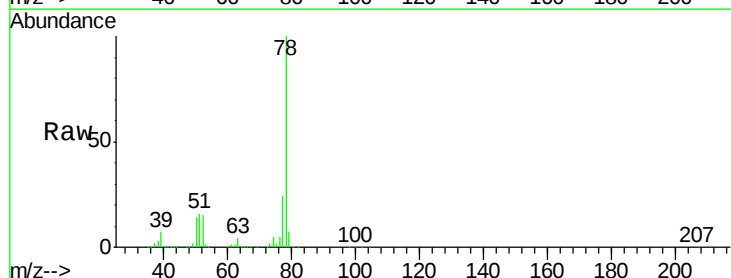
Manual Integrations
APPROVED

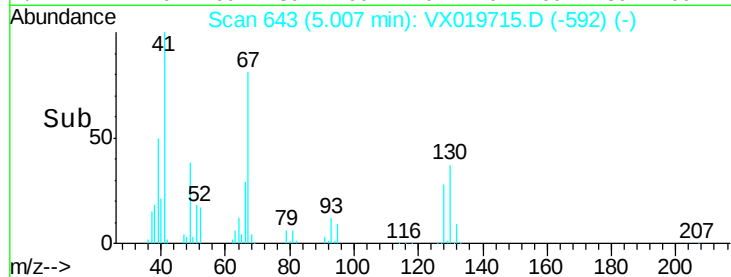
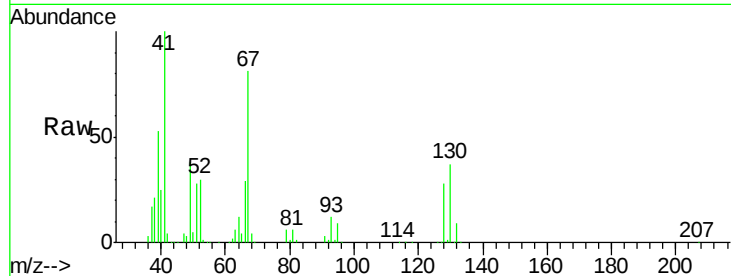
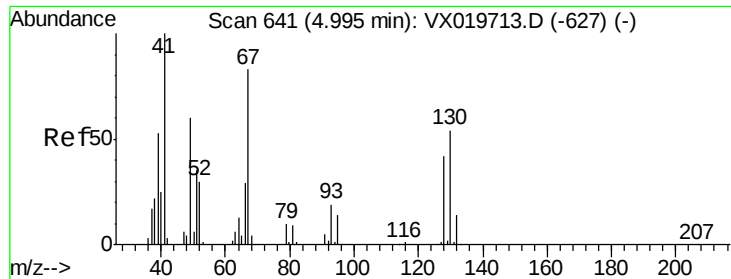
MMDadoda
12/7/2020 10:56:29 AM



#40
Benzene
Concen: 139.387 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





#41

Methacrylonitrile

Concen: 147.854 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Tot Ion	Ion	Ratio	Lower	Upper
410440	41	100		
	39	53.0	42.5	63.7
	67	82.3	65.0	97.6
	52	31.2	25.3	37.9

Instrument :

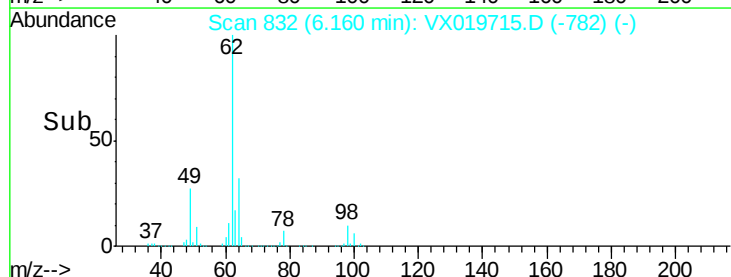
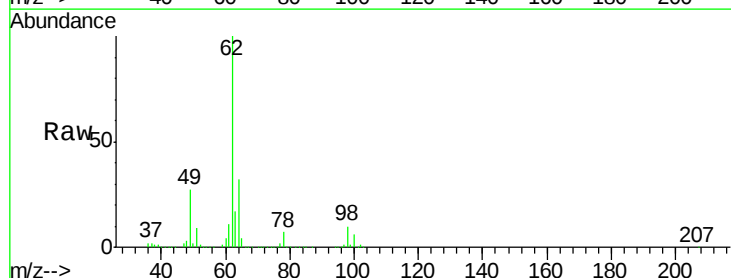
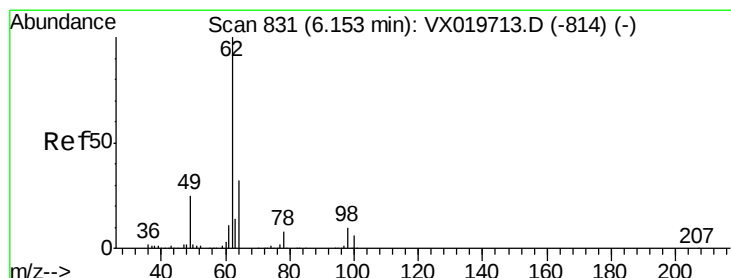
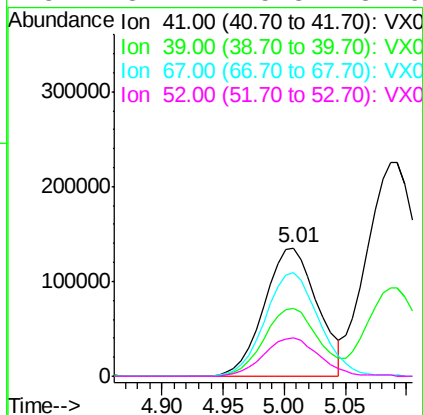
MSVOA_X

ClientSampled :

VSTDIC150

Manual Integrations
APPROVED

MMDadoda
12/7/2020 10:56:29 AM



#42

1,2-Dichloroethane

Concen: 139.165 ug/l

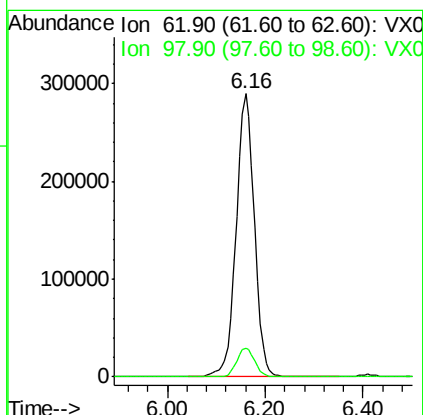
RT: 6.16 min Scan# 832

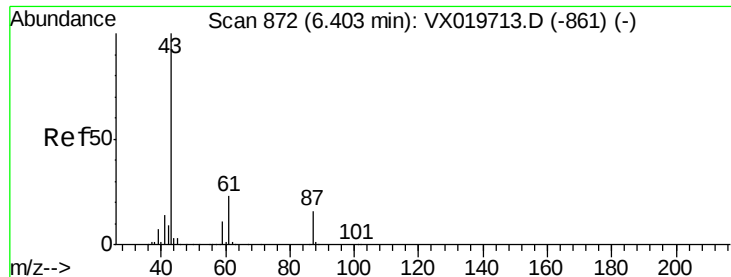
Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Tgt Ion	Ion	Ratio	Lower	Upper
746708	62	100		
	98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 149.955 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1245245

Ion Ratio Lower Upper

43 100

61 22.8 18.2 27.4

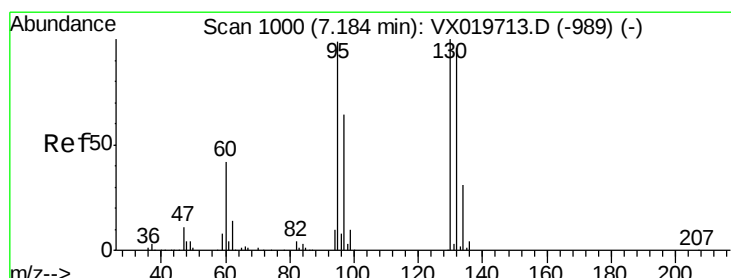
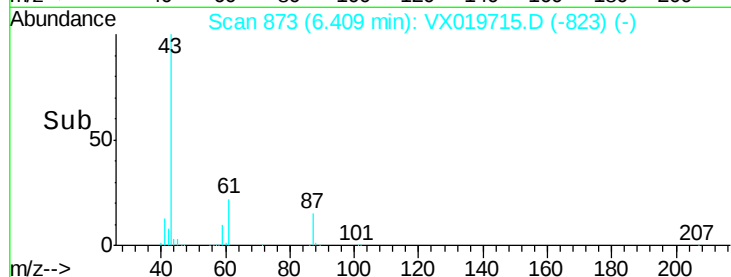
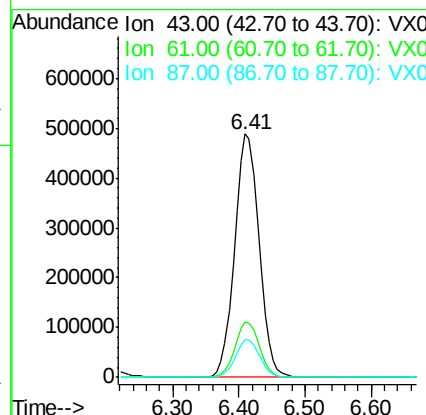
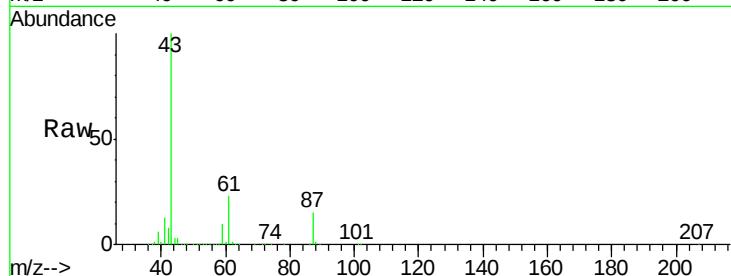
87 15.5 12.5 18.7

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#44

Trichloroethene

Concen: 141.173 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019715.D

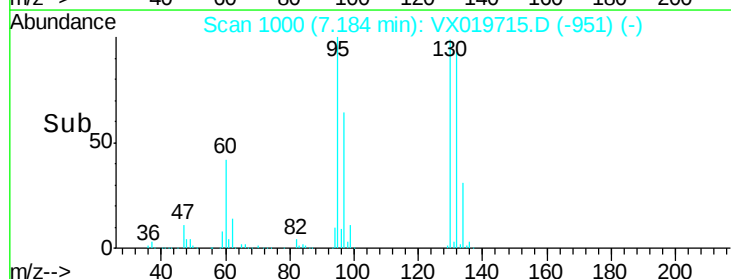
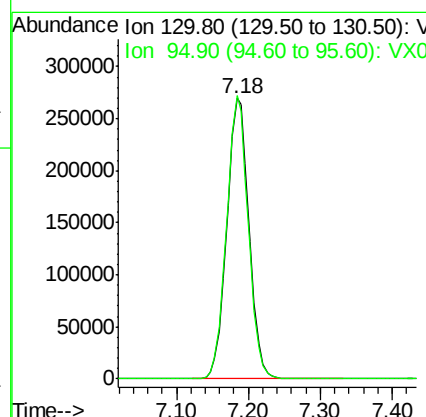
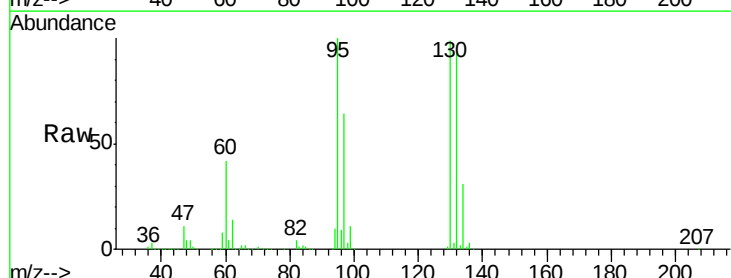
Acq: 04 Dec 2020 13:10

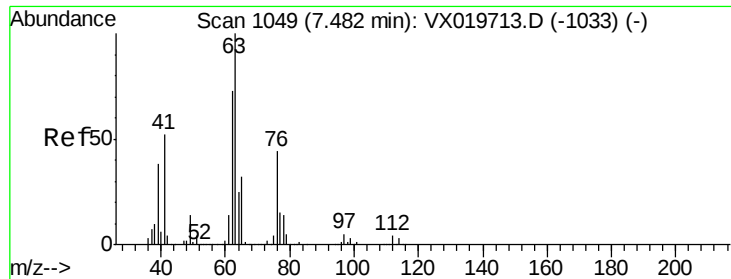
Tgt Ion:130 Resp: 575899

Ion Ratio Lower Upper

130 100

95 100.9 0.0 198.0





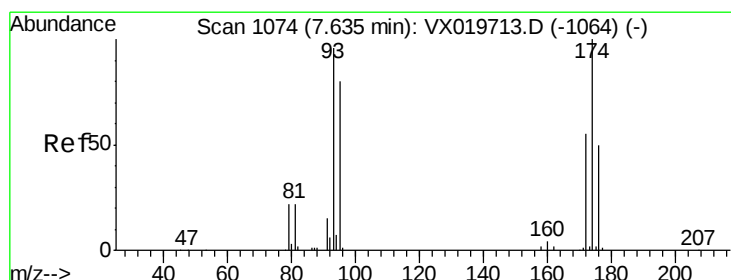
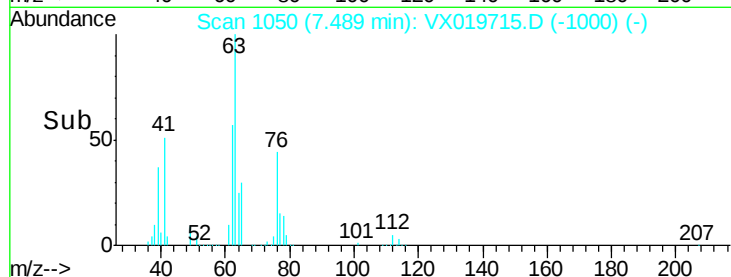
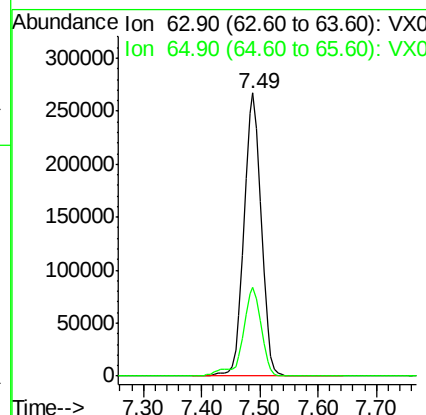
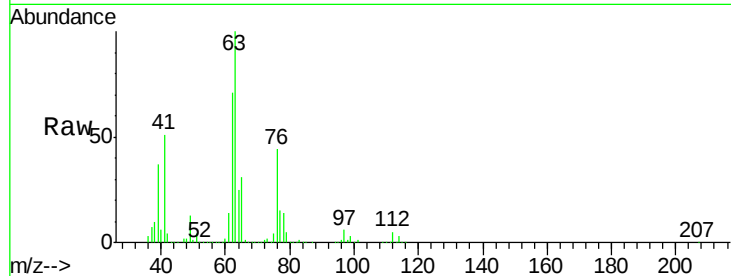
#45
 1,2-Dichloropropane
 Concen: 139.639 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 548537
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.7 38.5

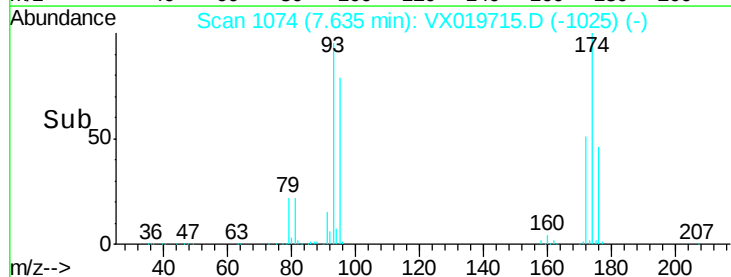
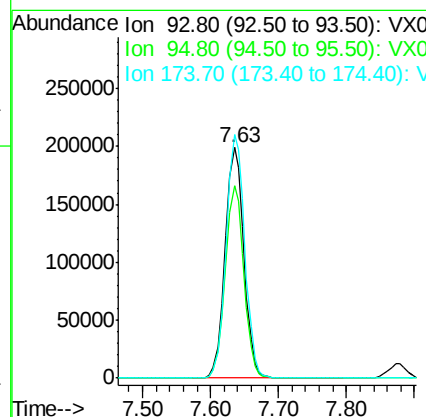
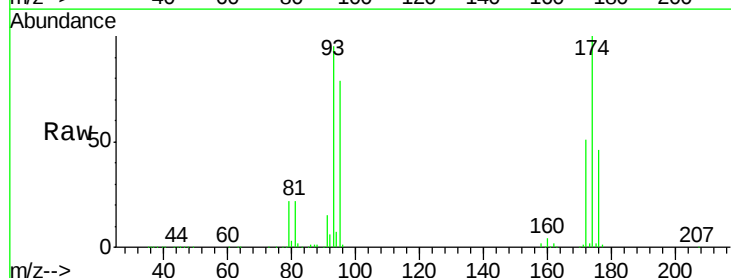
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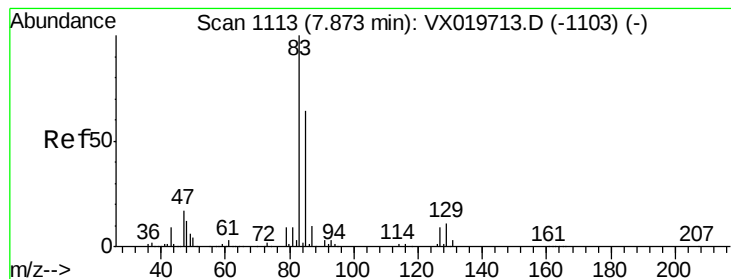
MMDadoda
 12/7/2020 10:56:29 AM



#46
 Dibromomethane
 Concen: 144.450 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Tgt Ion: 93 Resp: 380613
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.8 100.2
 174 104.8 83.1 124.7





#47

Bromodichloromethane

Concen: 148.086 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

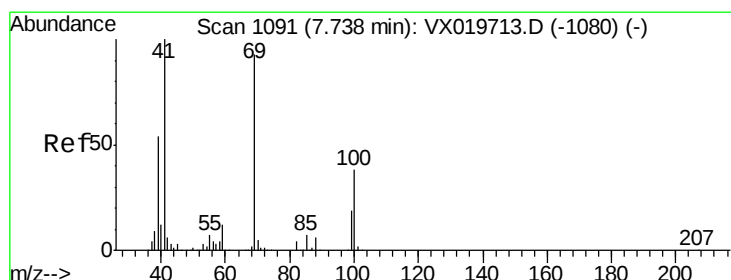
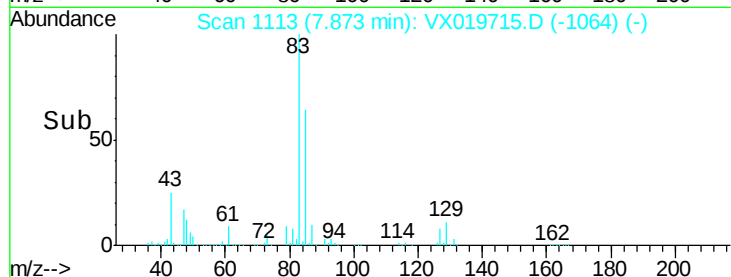
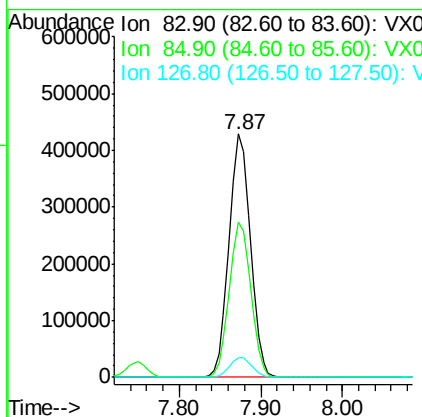
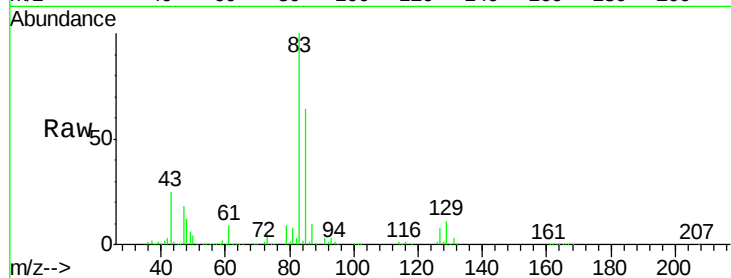
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	773441
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.4	77.0
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 152.678 ug/l

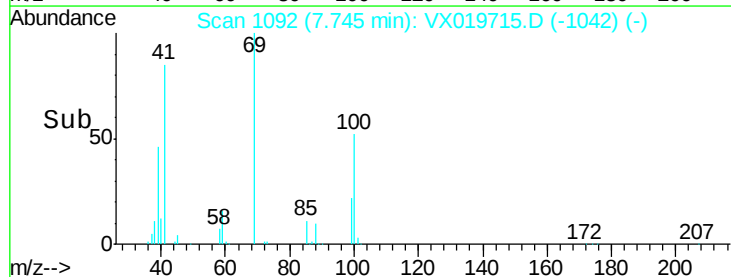
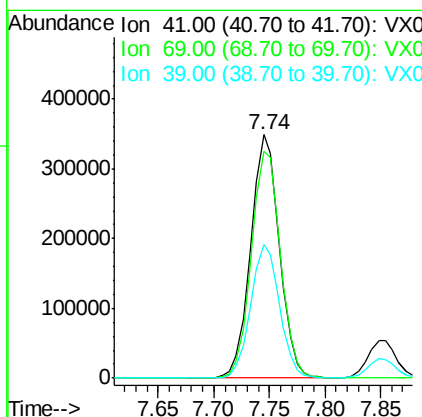
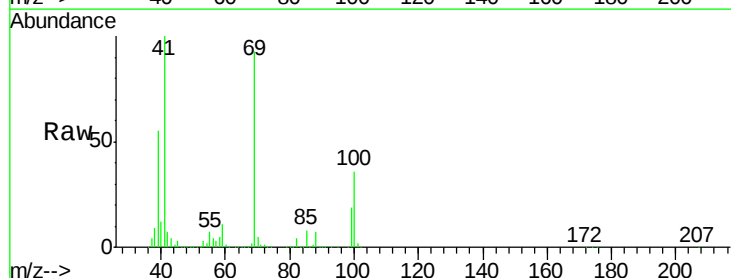
RT: 7.74 min Scan# 1092

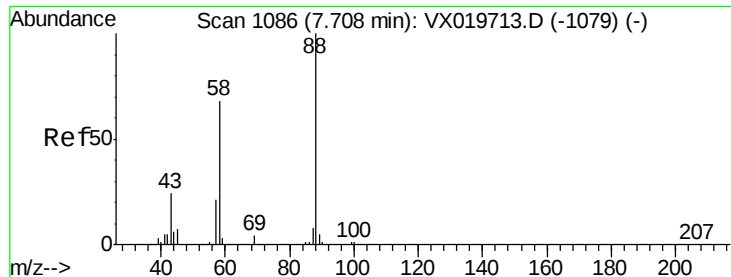
Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Tgt Ion:	41	Resp:	626665
Ion Ratio	Lower	Upper	
41	100		
69	95.1	76.0	114.0
39	55.2	44.6	67.0





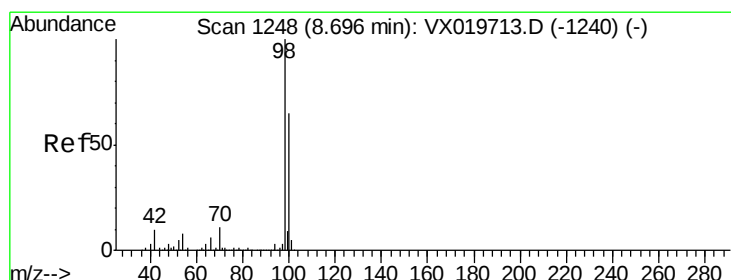
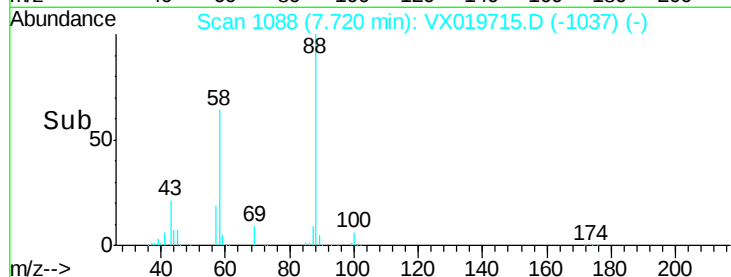
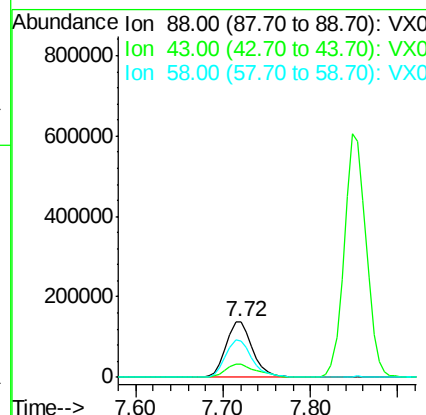
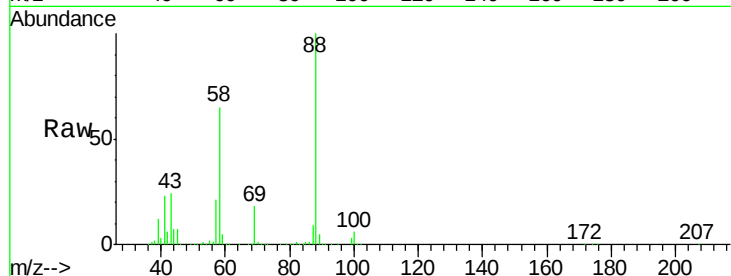
#49
1,4-Dioxane
Concen: 3113.203 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.2	34.8
58	67.7	55.0	82.4

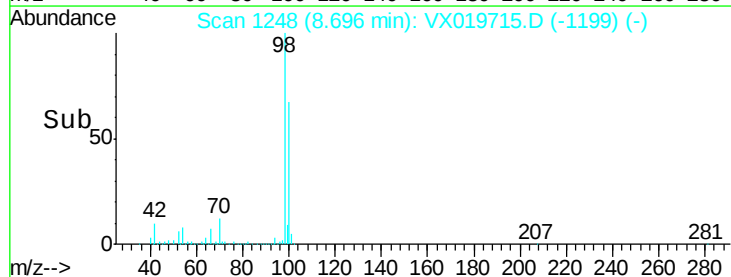
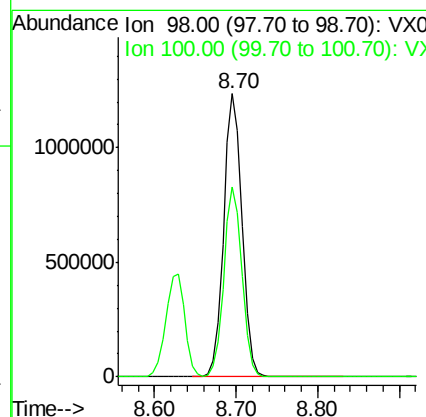
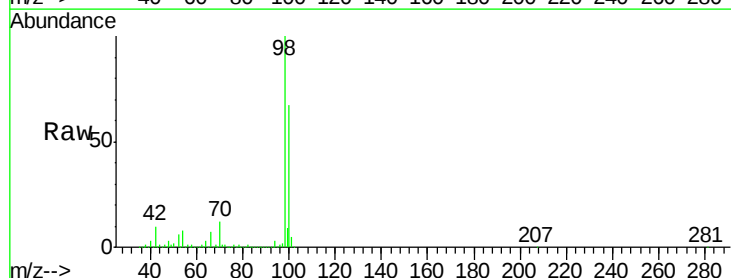
Manual Integrations
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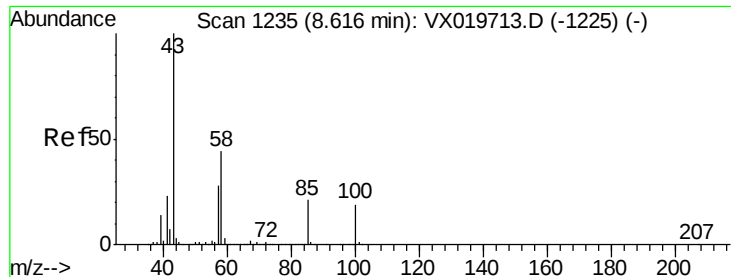
MMDadoda
12/7/2020 10:56:29 AM



#50
Toluene-d8
Concen: 141.843 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 754.039 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3825066

Ion Ratio Lower Upper

43 100

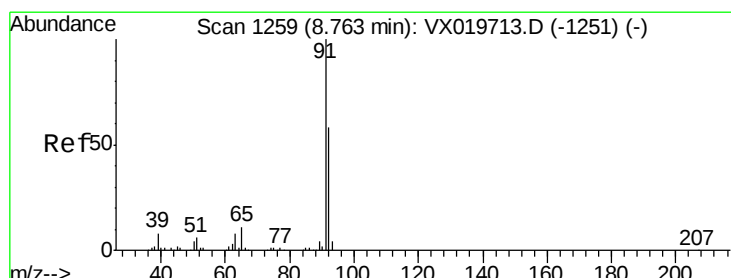
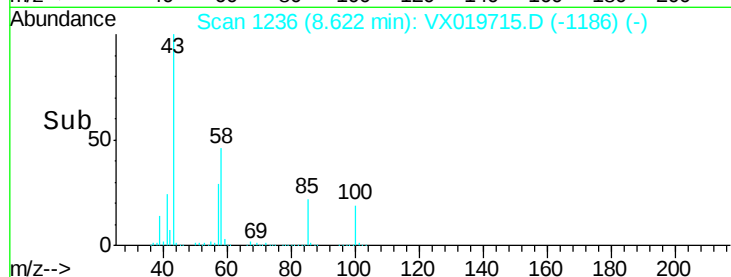
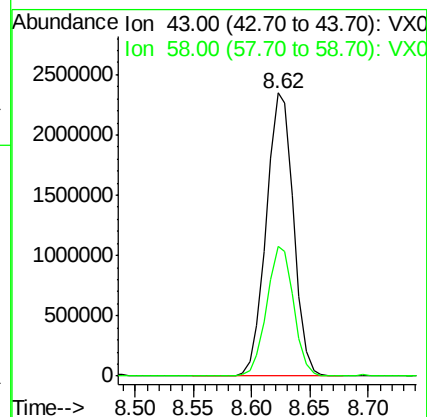
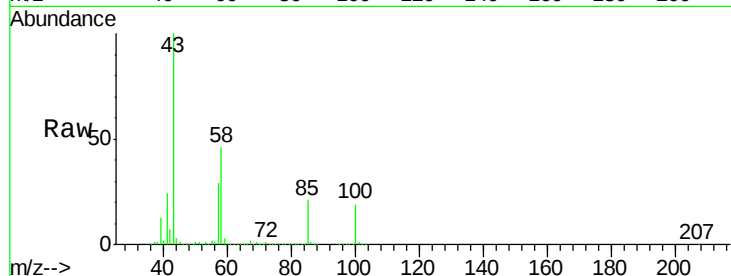
58 45.2 35.4 53.0

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#52

Toluene

Concen: 141.429 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019715.D

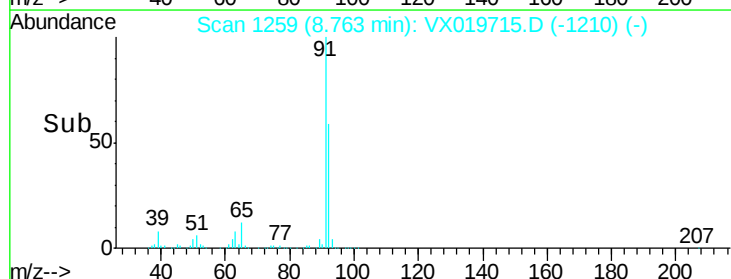
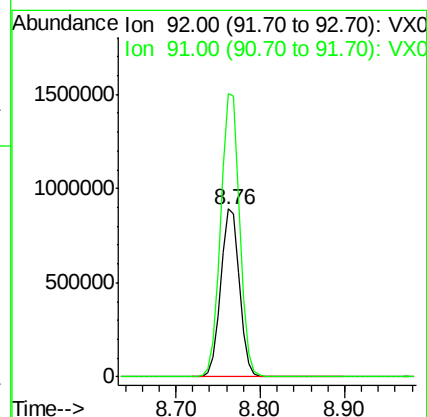
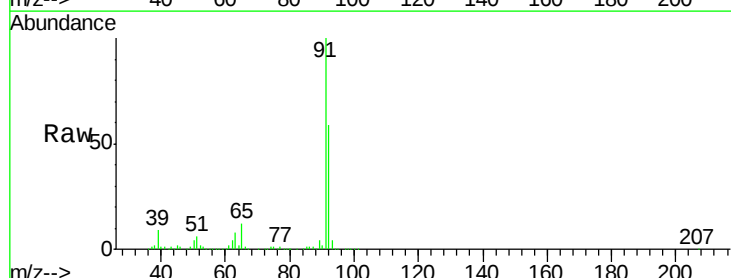
Acq: 04 Dec 2020 13:10

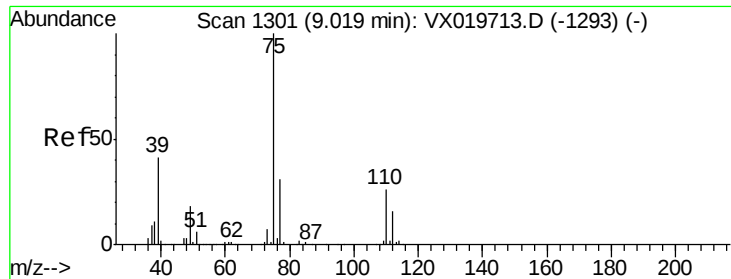
Tgt Ion: 92 Resp: 1375300

Ion Ratio Lower Upper

92 100

91 170.7 137.1 205.7





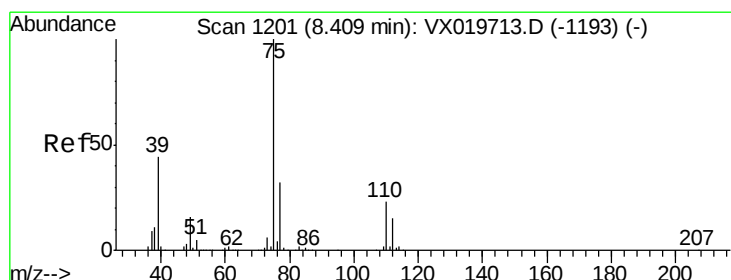
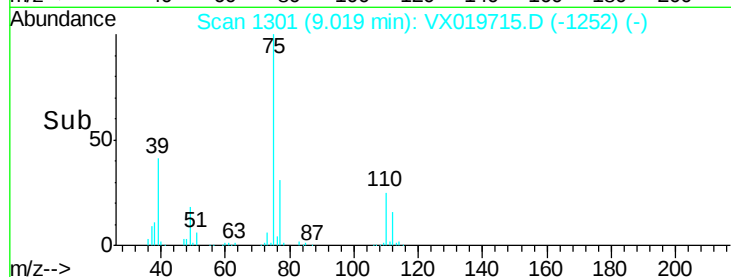
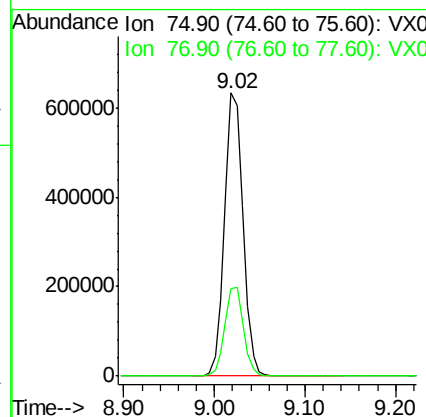
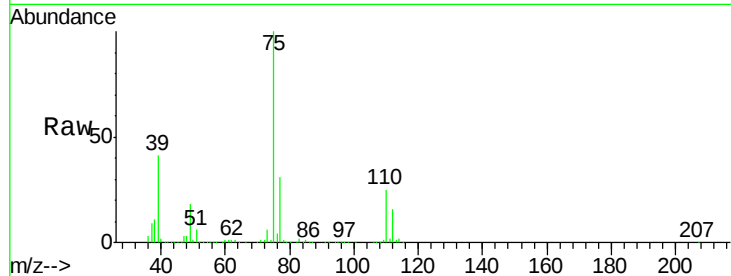
#53
t-1,3-Dichloropropene
Concen: 158.363 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 75 Resp: 906986
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3

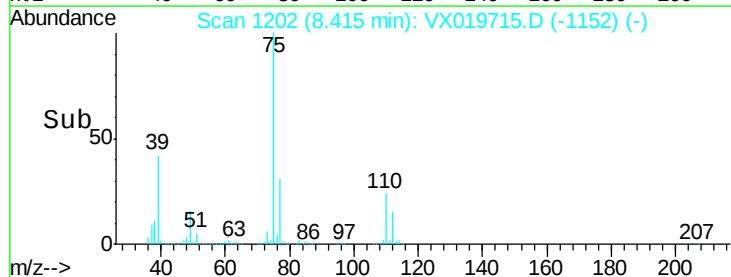
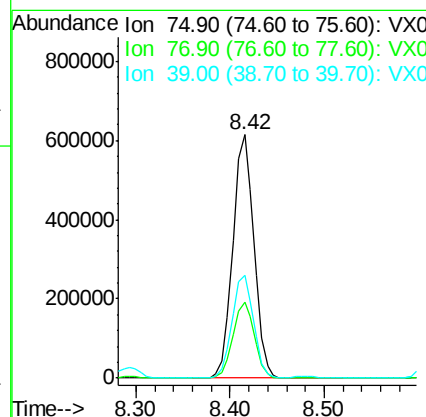
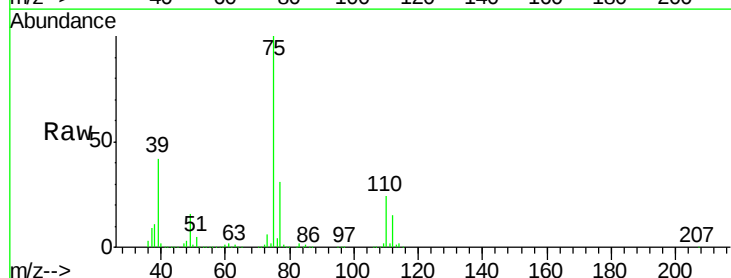
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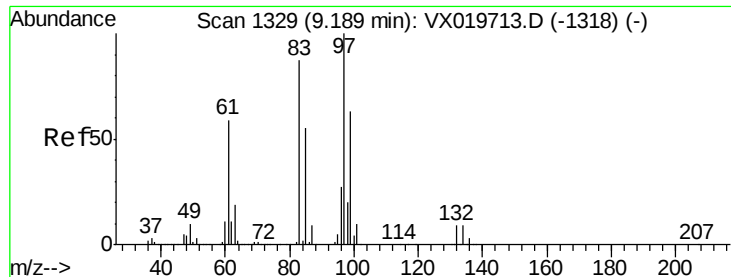
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#54
cis-1,3-Dichloropropene
Concen: 152.351 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion: 75 Resp: 953740
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5
39 42.5 35.1 52.7





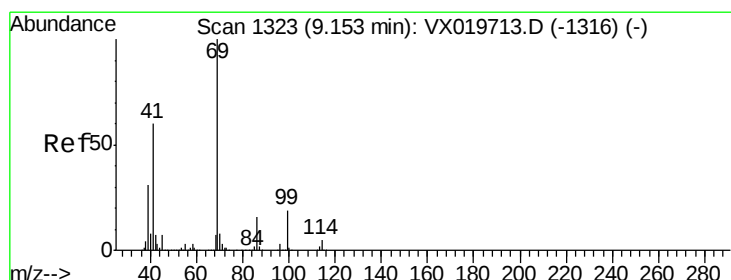
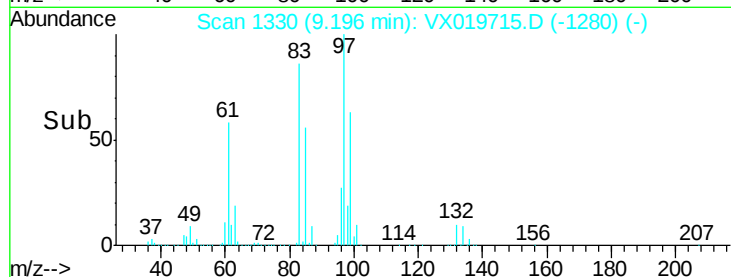
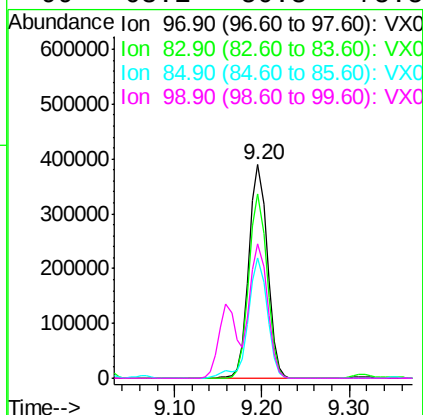
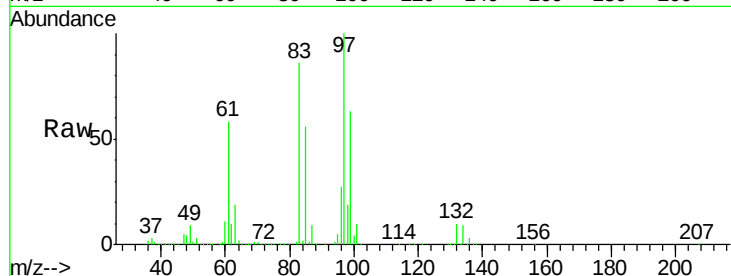
#55
 1,1,2-Trichloroethane
 Concen: 145.617 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	572673
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.3	103.9
85	56.1	44.3	66.5
99	63.1	50.3	75.5

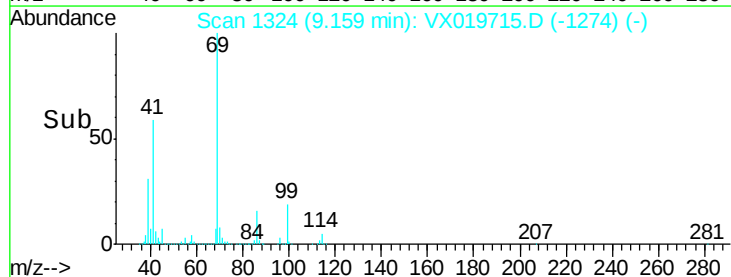
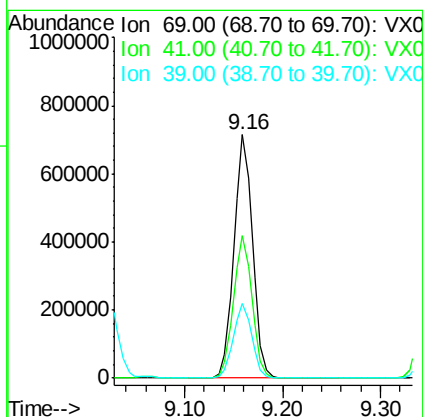
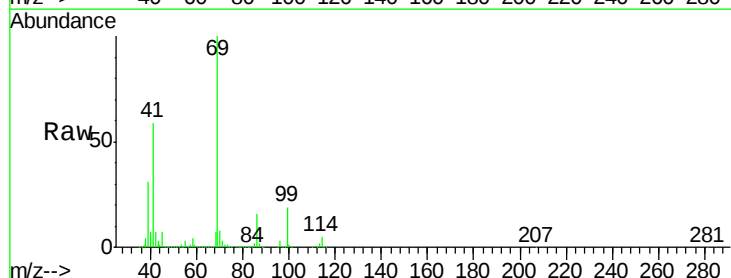
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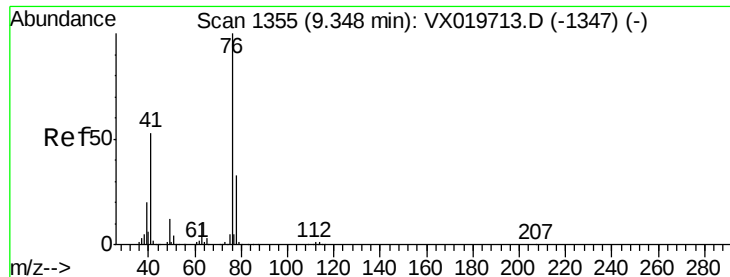
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 12/7/2020 10:56:29 AM



#56
 Ethyl methacrylate
 Concen: 159.763 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Tgt Ion:	69	Resp:	943749
Ion	Ratio	Lower	Upper
69	100		
41	58.4	46.8	70.2
39	30.5	24.7	37.1





#57

1,3-Dichloropropane

Concen: 144.788 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 963607

Ion Ratio Lower Upper

76 100

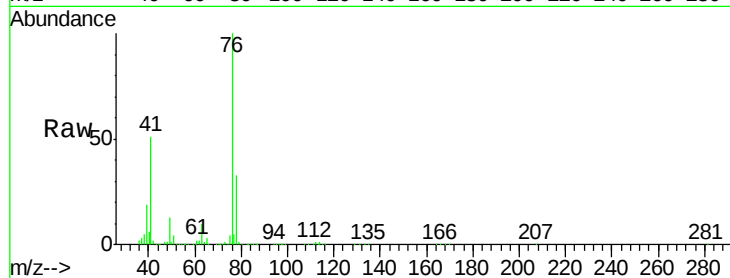
78 32.4 26.2 39.2

Manual Integrations

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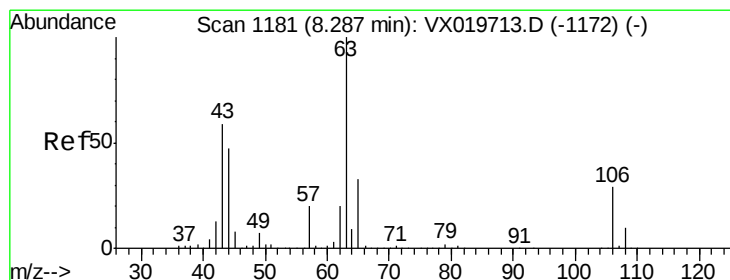
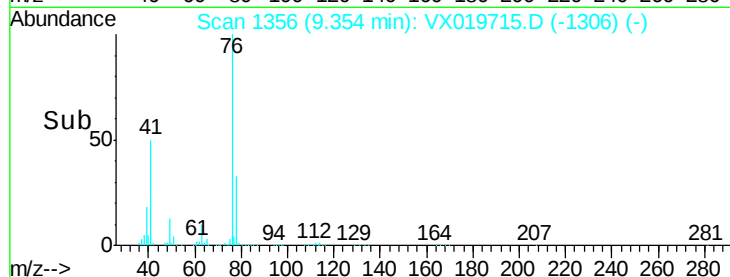
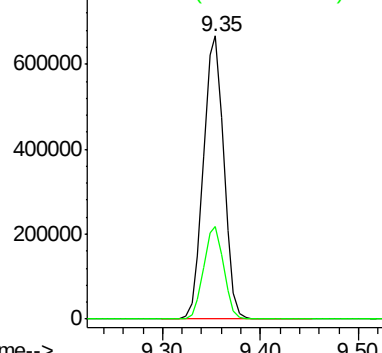
MMDadoda

12/7/2020 10:56:29 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 777.919 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX019715.D

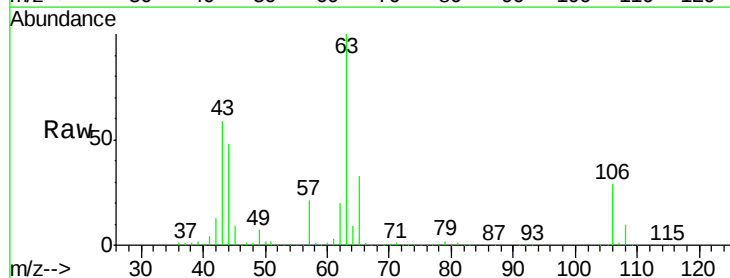
Acq: 04 Dec 2020 13:10

Tgt Ion: 63 Resp: 2407558

Ion Ratio Lower Upper

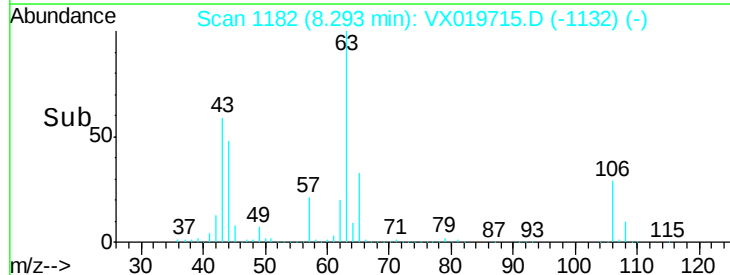
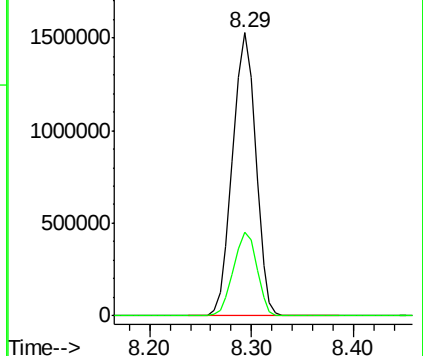
63 100

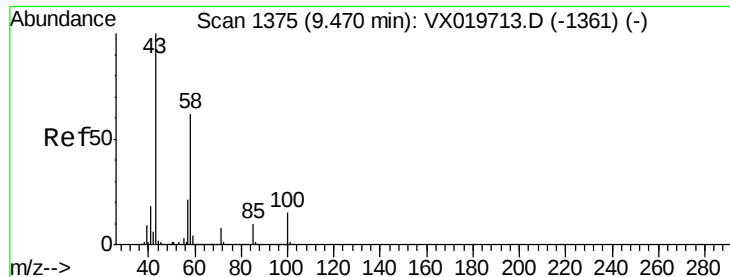
106 29.8 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





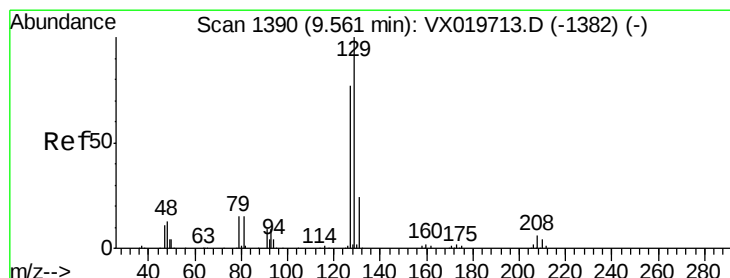
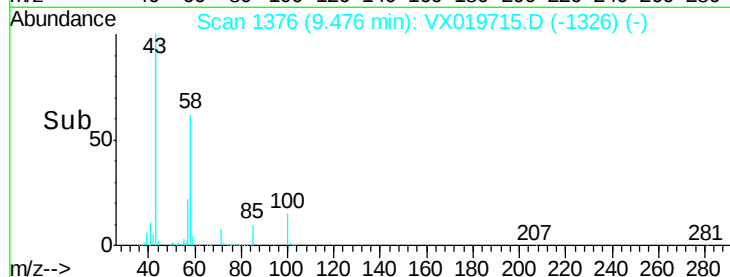
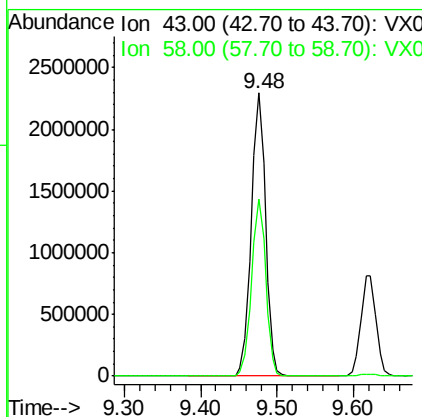
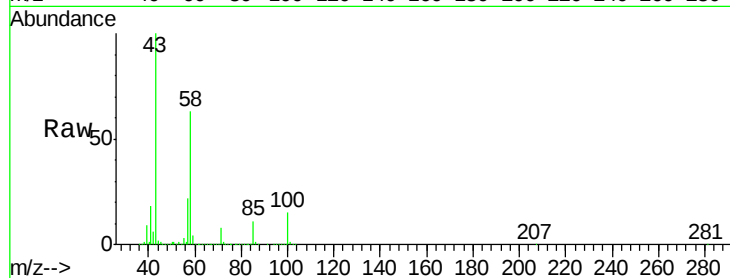
#59
2-Hexanone
Concen: 777.510 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2983585
Ion Ratio Lower Upper
43 100
58 62.3 30.9 92.8

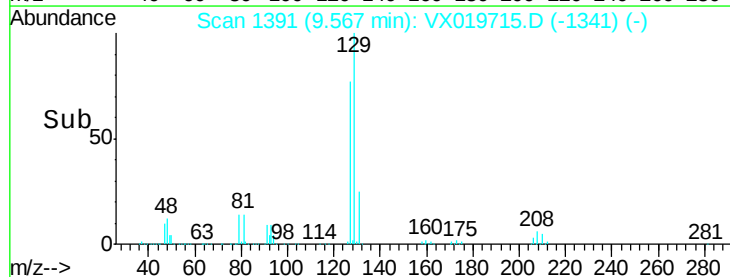
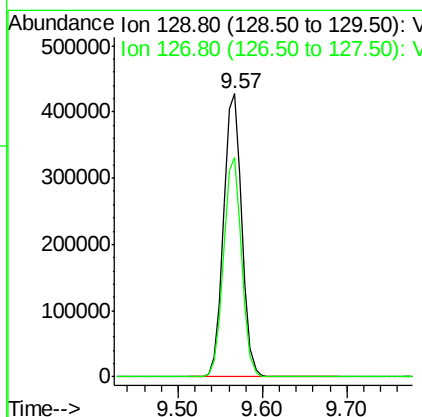
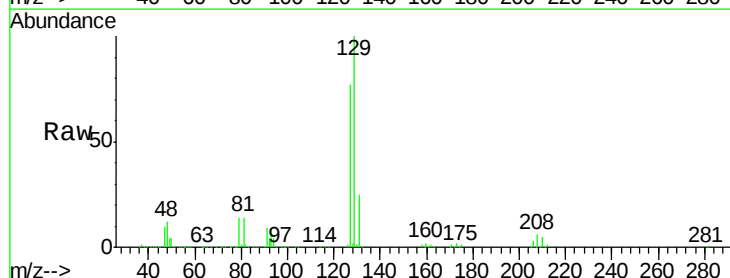
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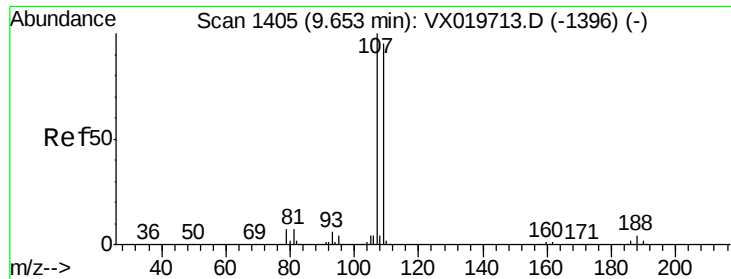
MMDadoda
12/7/2020 10:56:29 AM



#60
Dibromochloromethane
Concen: 157.978 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion: 129 Resp: 638138
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





#61

1,2-Dibromoethane

Concen: 148.374 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 612930

Ion Ratio Lower Upper

107 100

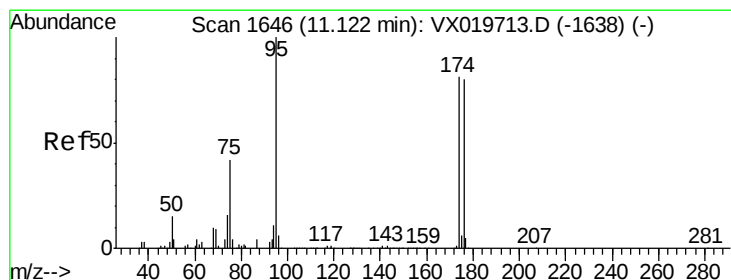
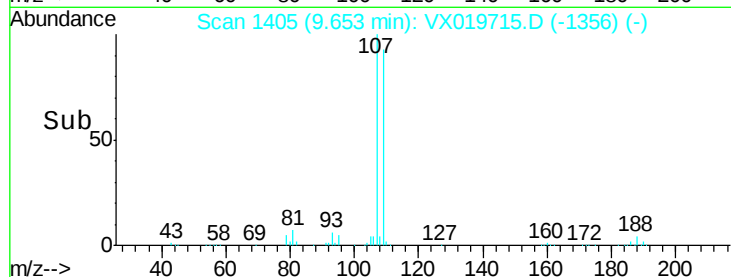
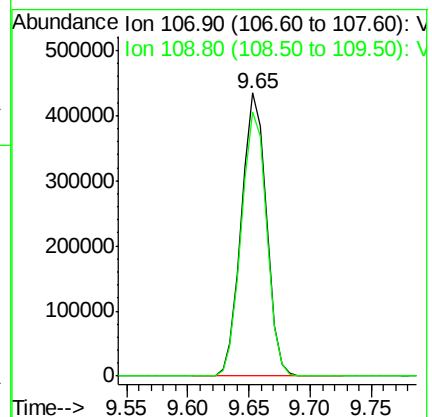
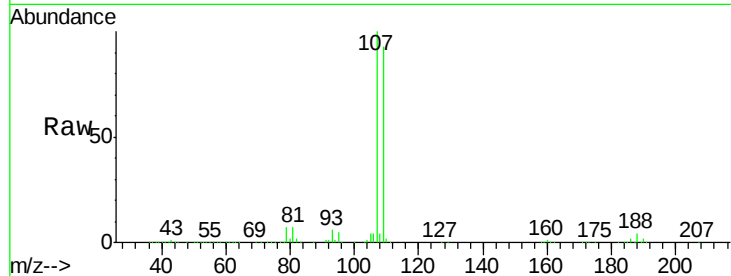
109 94.6 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 151.882 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

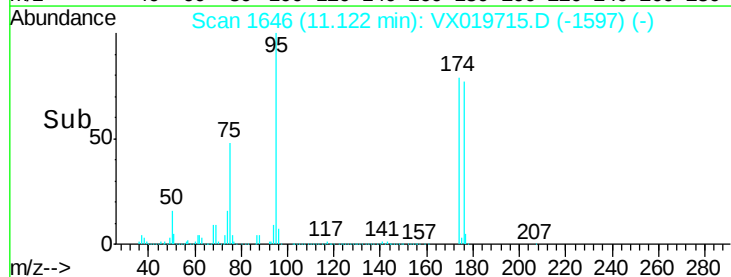
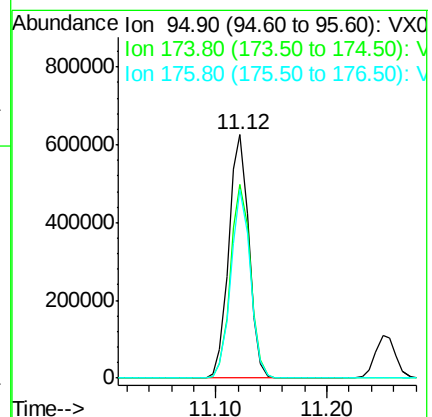
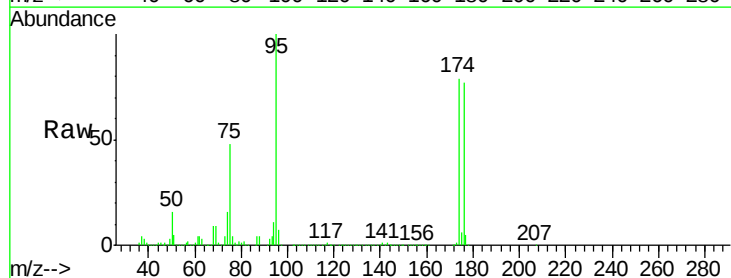
Tgt Ion: 95 Resp: 781495

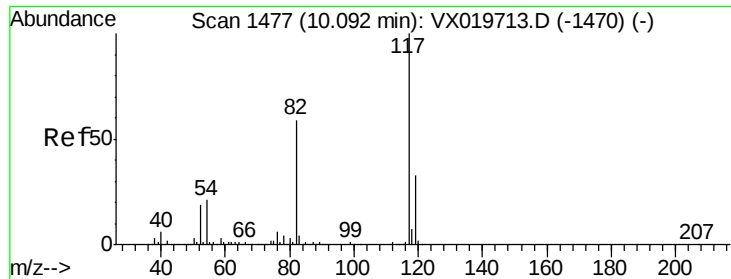
Ion Ratio Lower Upper

95 100

174 79.5 0.0 154.6

176 75.2 0.0 155.8





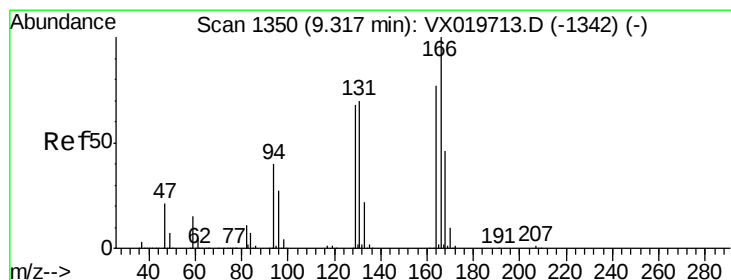
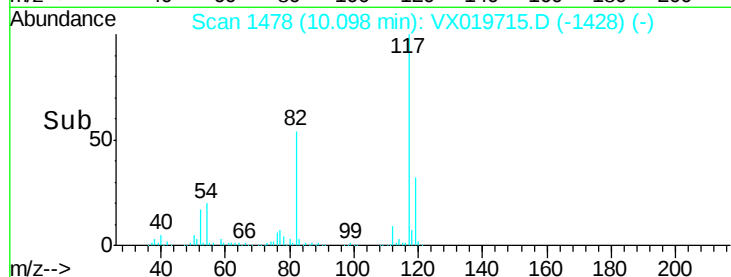
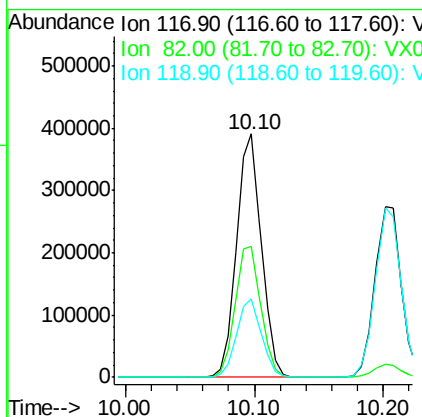
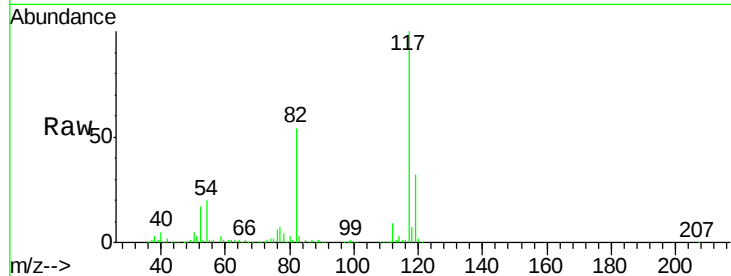
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	47.4	71.2
119	32.3	26.6	39.8

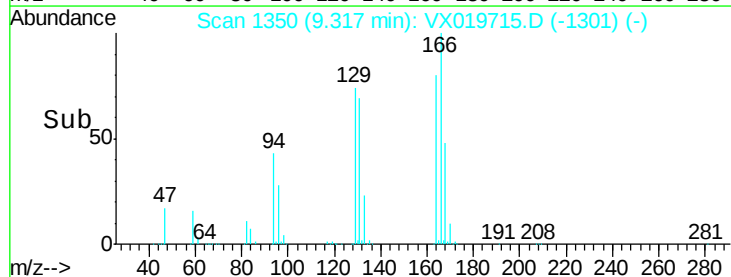
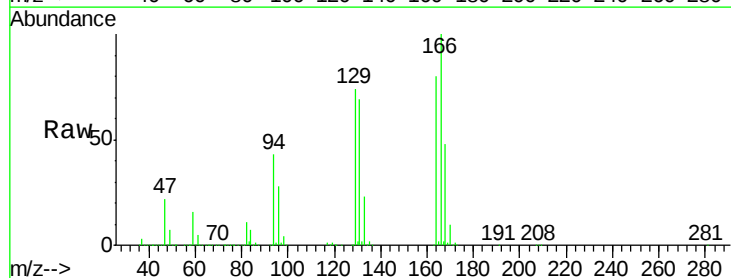
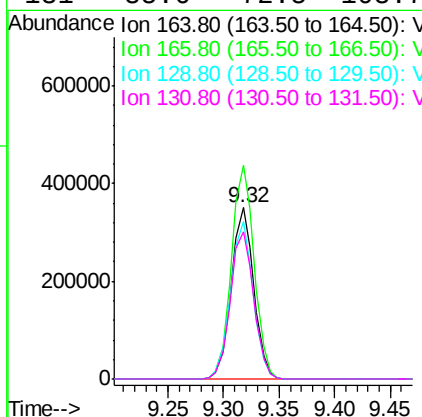
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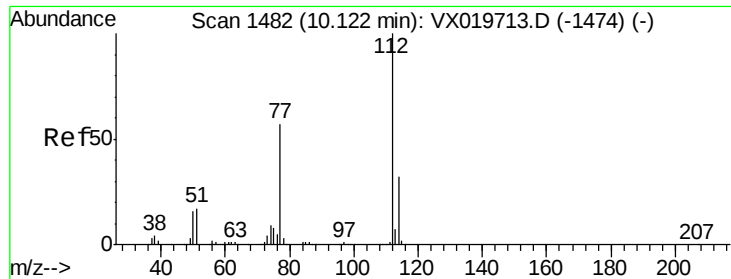
MMDadoda
12/7/2020 10:56:29 AM



#64
Tetrachloroethene
Concen: 135.747 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.4	155.2
129	92.1	70.8	106.2
131	85.6	72.5	108.7





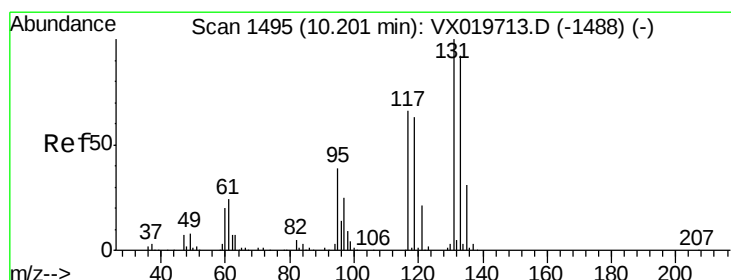
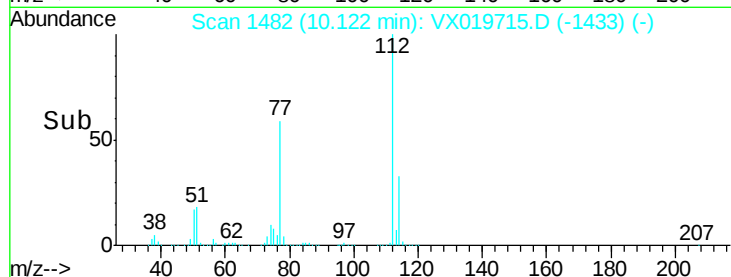
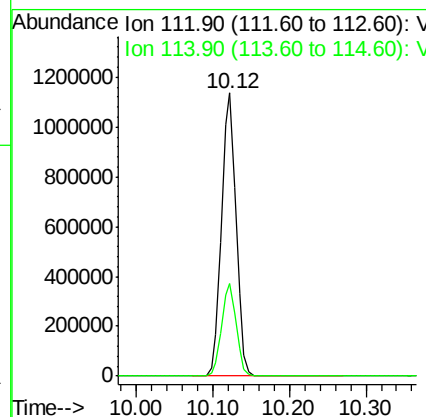
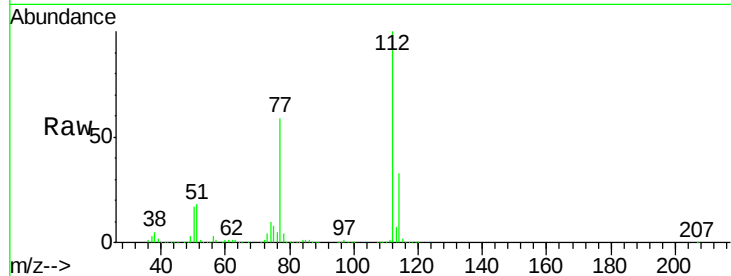
#65
Chlorobenzene
Concen: 138.306 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1496022
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

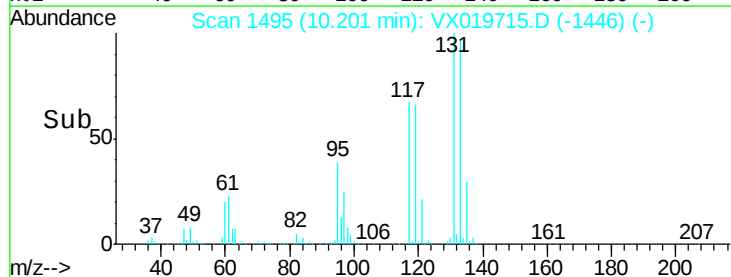
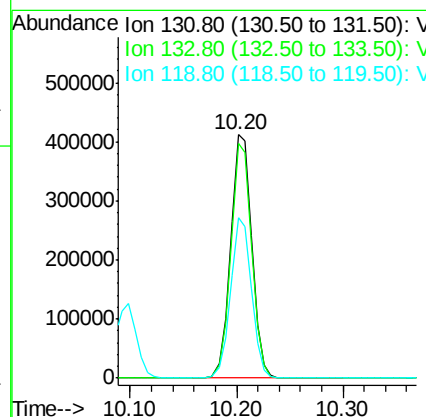
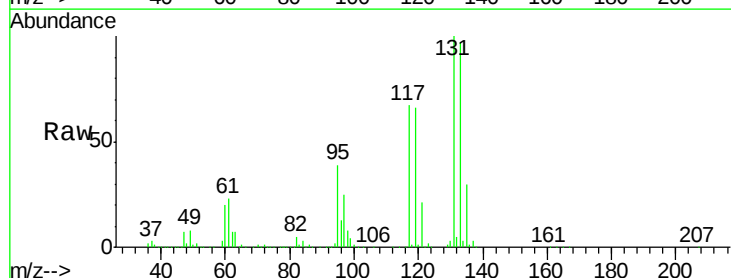
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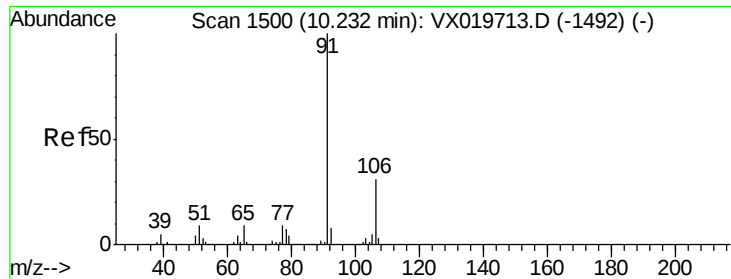
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 145.994 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion:131 Resp: 573856
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 65.1 32.1 96.5





#67

Ethyl Benzene

Concen: 141.946 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2707944

Ion Ratio Lower Upper

91 100

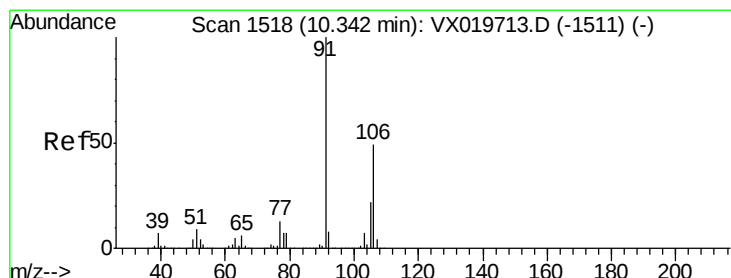
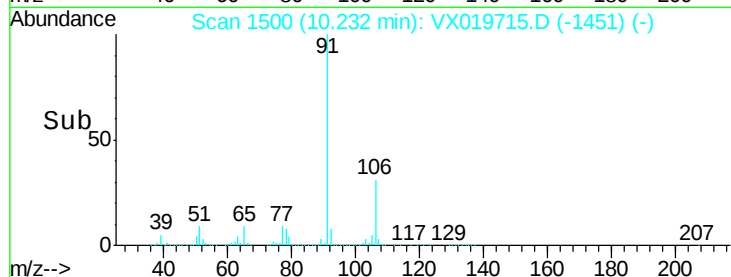
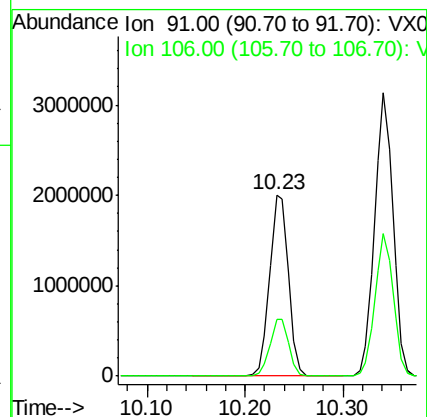
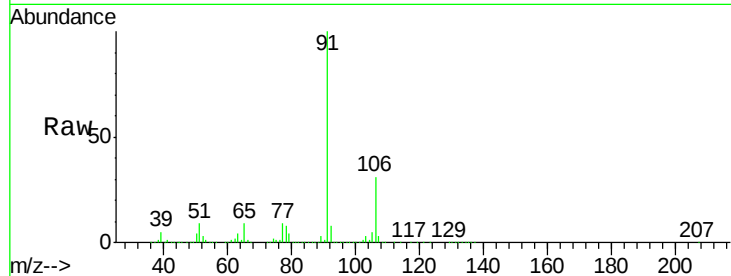
106 31.2 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 287.900 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019715.D

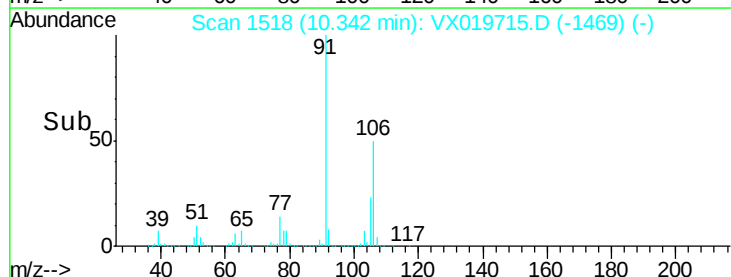
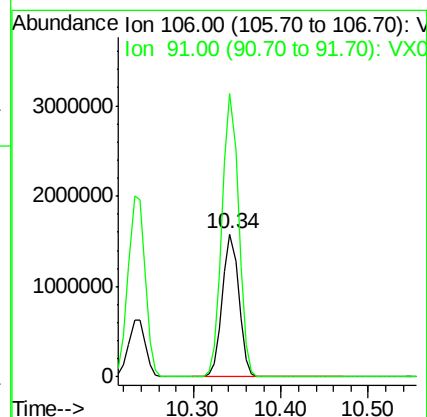
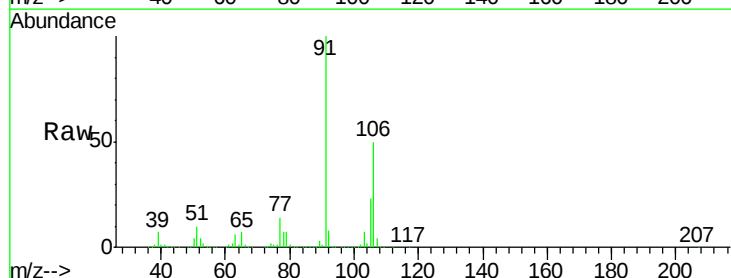
Acq: 04 Dec 2020 13:10

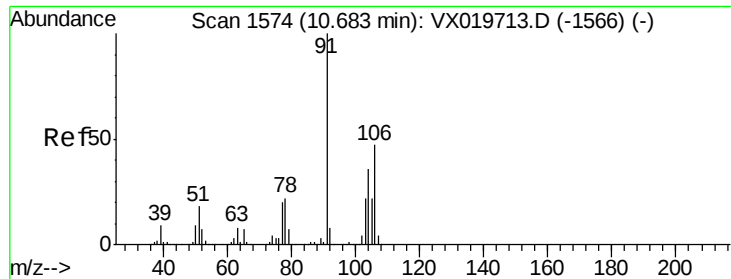
Tgt Ion: 106 Resp: 2053949

Ion Ratio Lower Upper

106 100

91 200.2 162.8 244.2





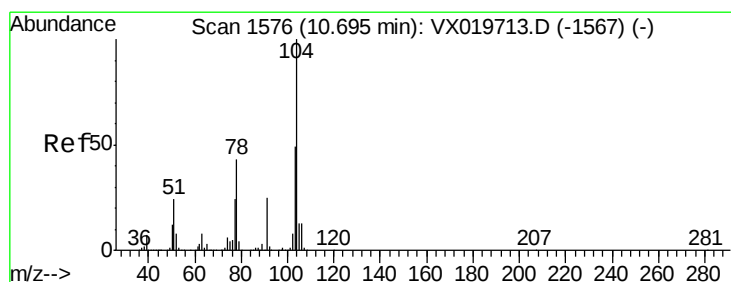
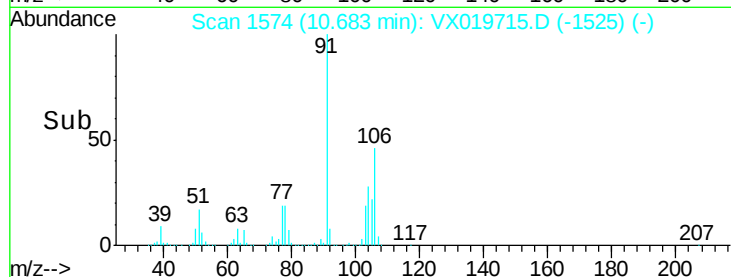
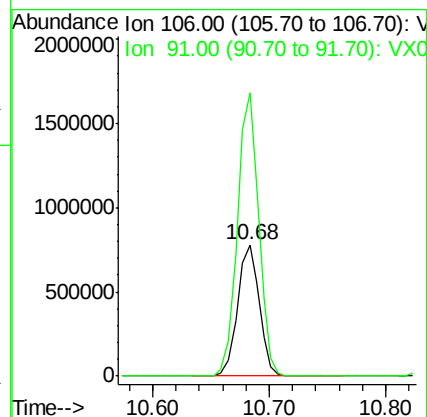
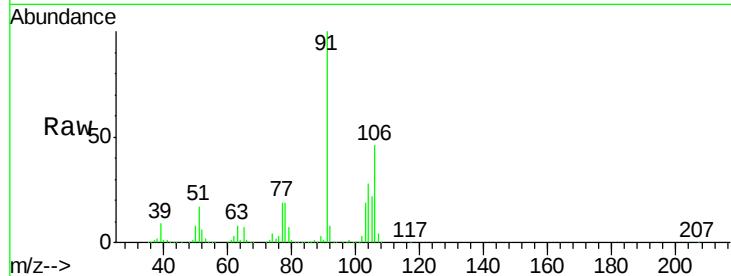
#69
o-Xylene
Concen: 145.774 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1009567
Ion Ratio Lower Upper
106 100
91 212.2 108.1 324.2

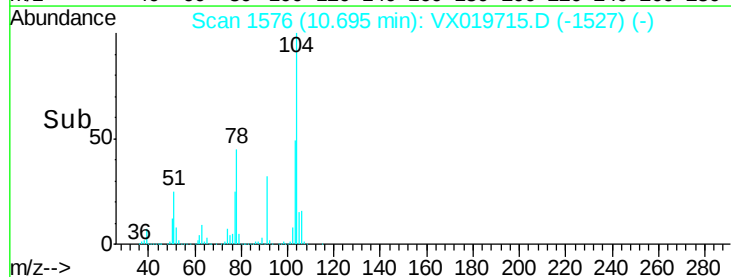
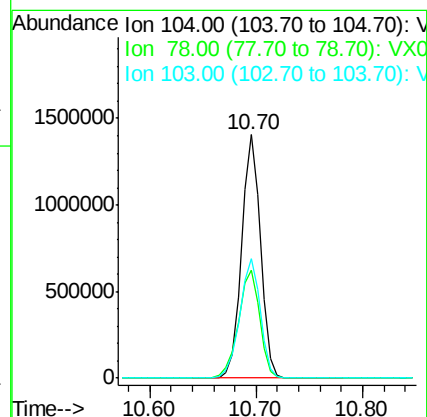
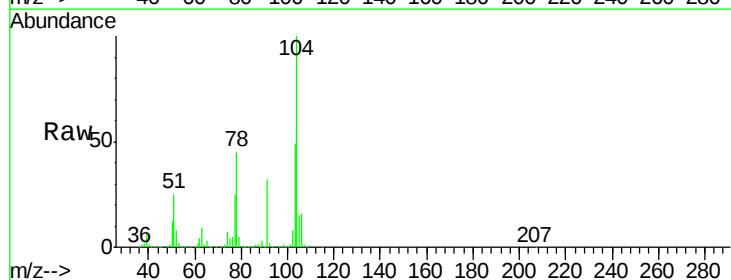
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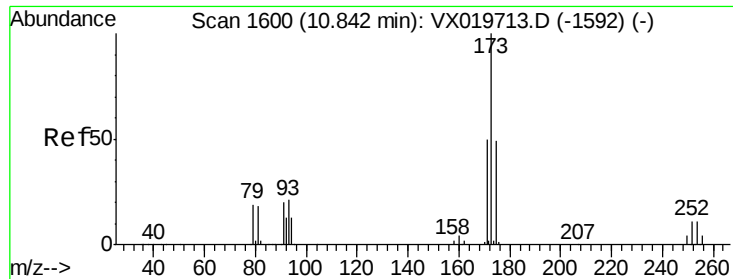
MMDadoda
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#70
Styrene
Concen: 150.965 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion:104 Resp: 1753602
Ion Ratio Lower Upper
104 100
78 49.7 40.0 60.0
103 53.6 43.4 65.0





#71

Bromoform

Concen: 165.251 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 502642

Ion Ratio Lower Upper

173 100

175 46.9 23.9 71.8

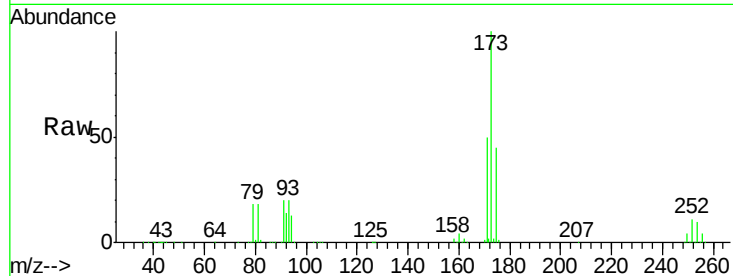
254 0.1 0.1 0.1#

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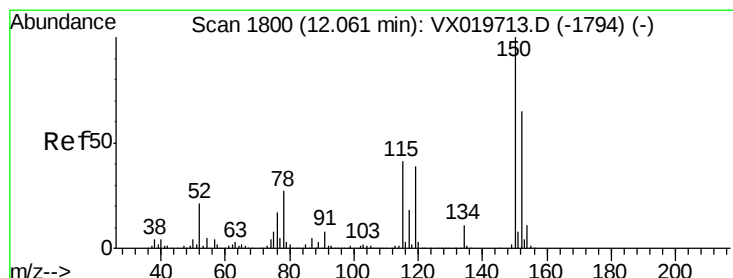
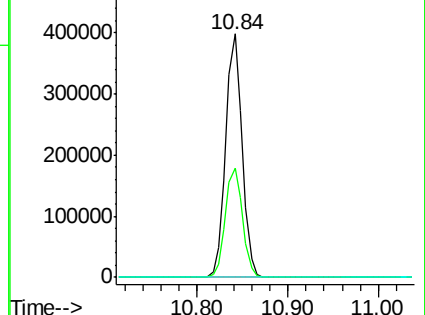
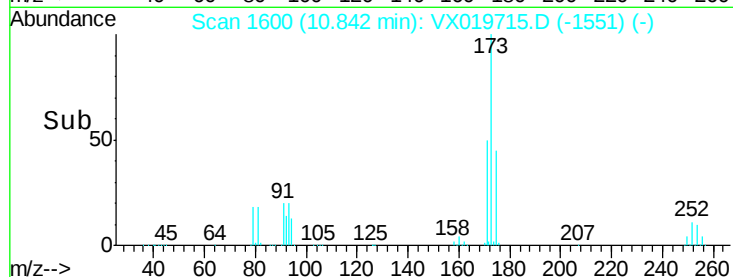
12/7/2020 10:56:29 AM



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: VX019715.D

Acq: 04 Dec 2020 13:10

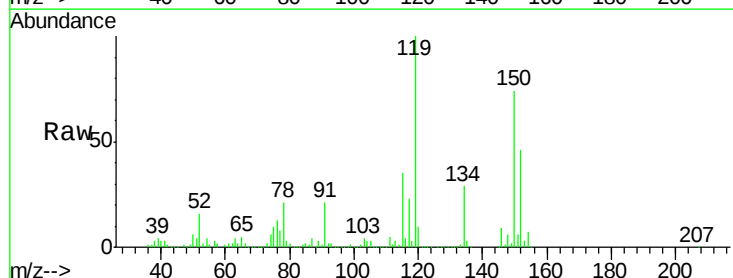
Tgt Ion:152 Resp: 267238

Ion Ratio Lower Upper

152 100

115 124.8 41.1 123.3#

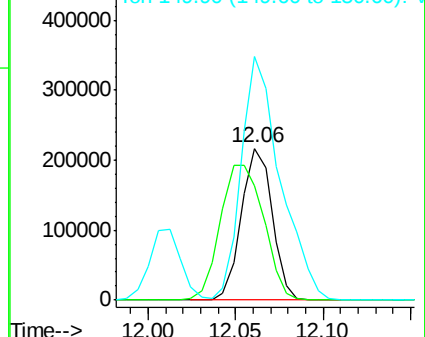
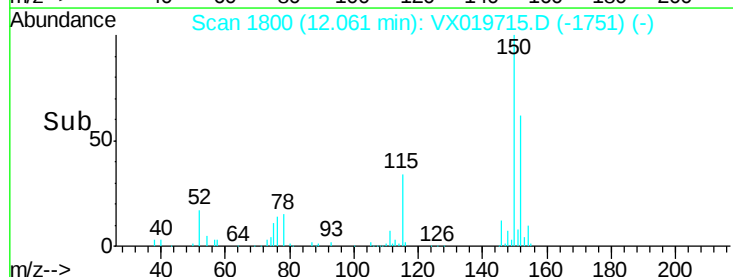
150 204.2 0.0 349.0

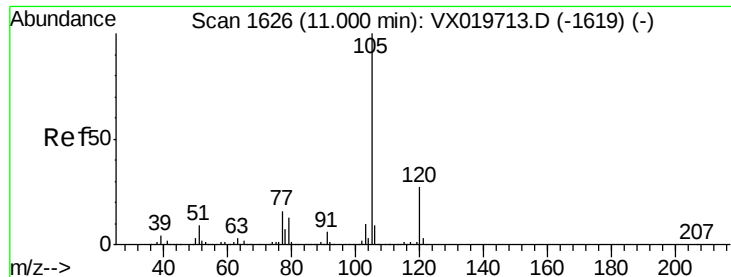


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





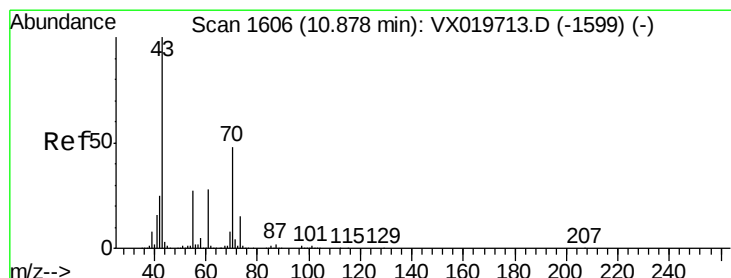
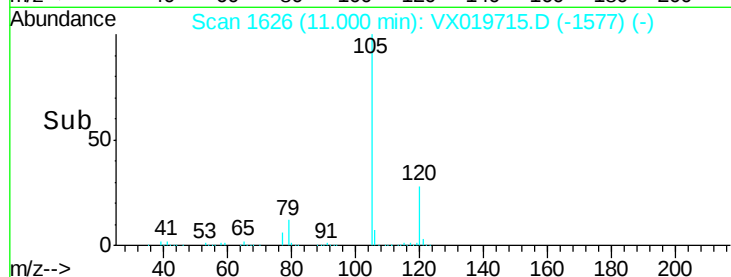
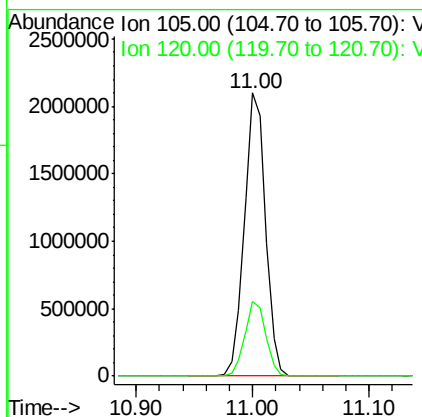
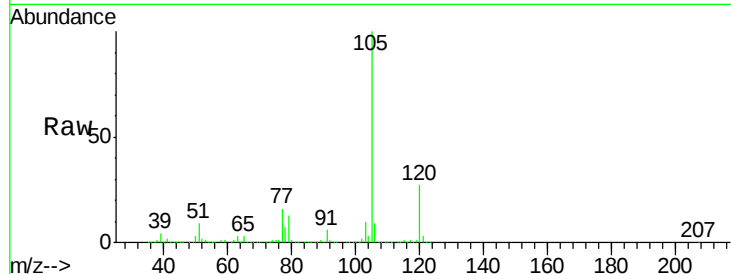
#73
Isopropylbenzene
Concen: 143.275 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 2666471
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

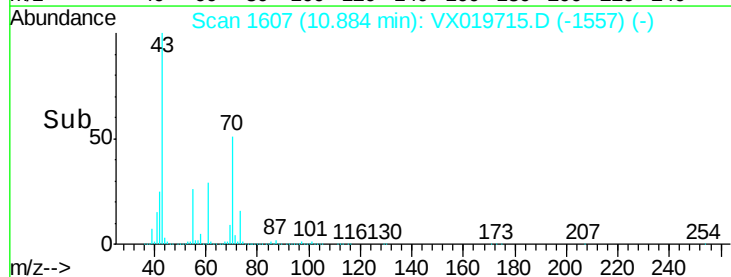
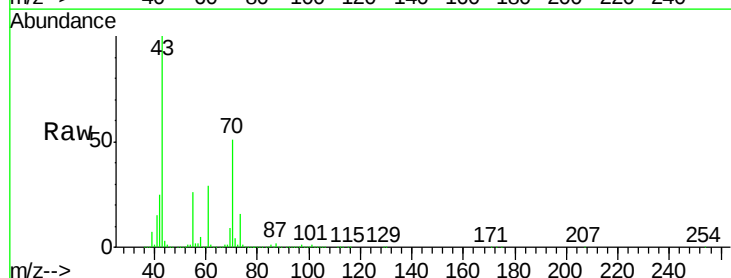
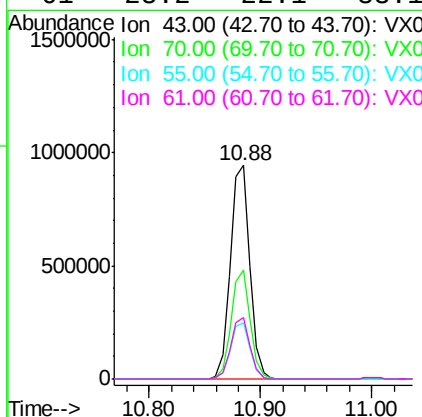
Manual Integrations
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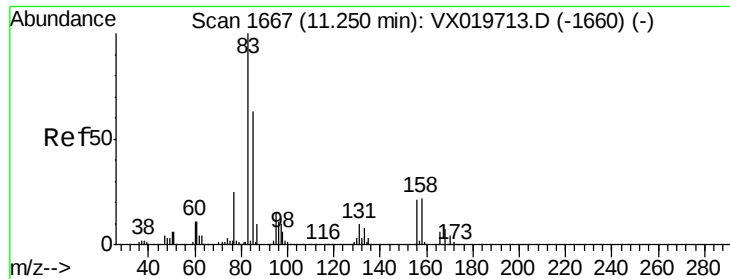
MMDadoda
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#74
N-ethyl acetate
Concen: 151.296 ug/l
RT: 10.88 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion: 43 Resp: 1130516
Ion Ratio Lower Upper
43 100
70 49.7 39.0 58.6
55 26.3 21.5 32.3
61 28.2 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 137.205 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 924682

Ion Ratio Lower Upper

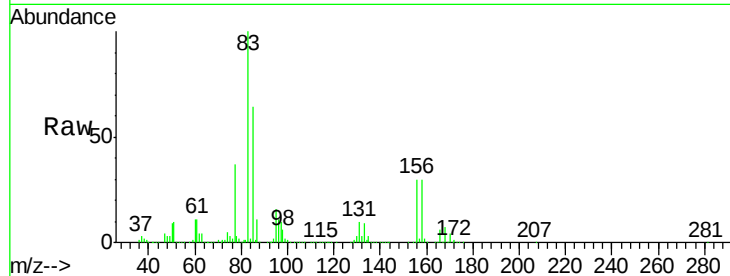
83 100

131 10.3 5.1 15.2

85 64.6 31.8 95.4

Manual Integrations
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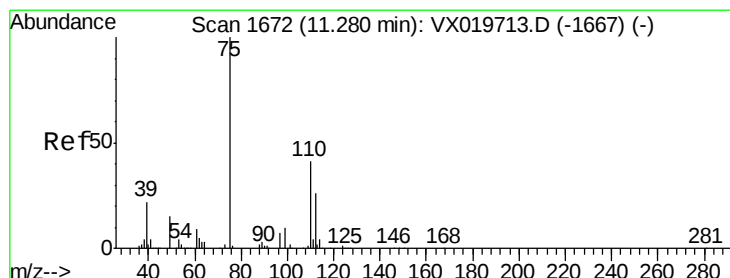
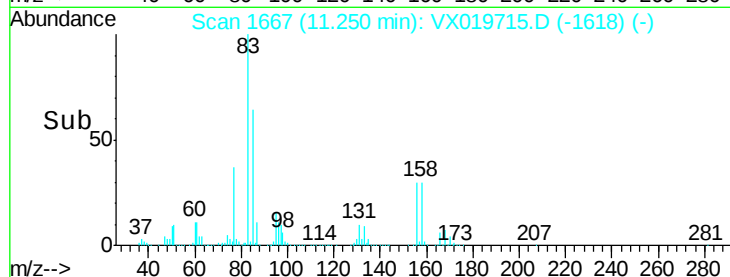
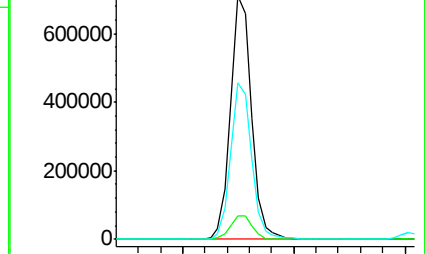
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 136.400 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019715.D

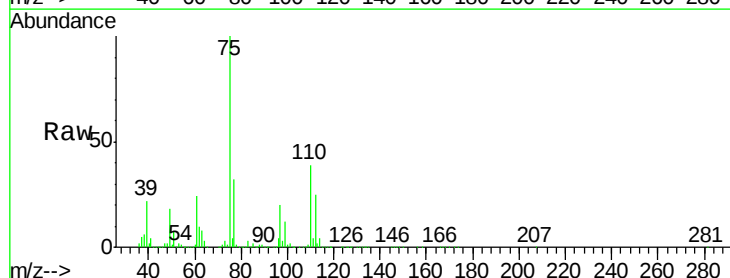
Acq: 04 Dec 2020 13:10

Tgt Ion: 75 Resp: 835417

Ion Ratio Lower Upper

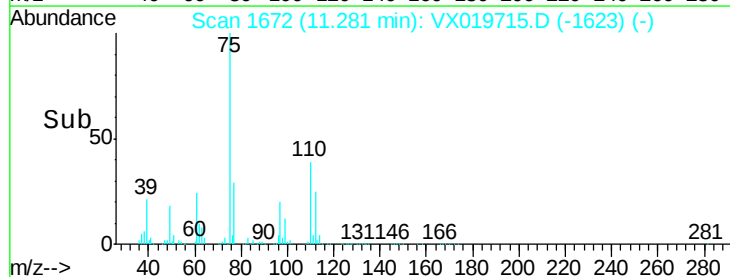
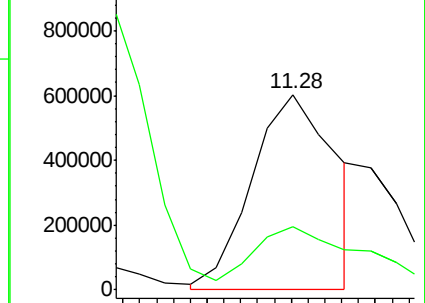
75 100

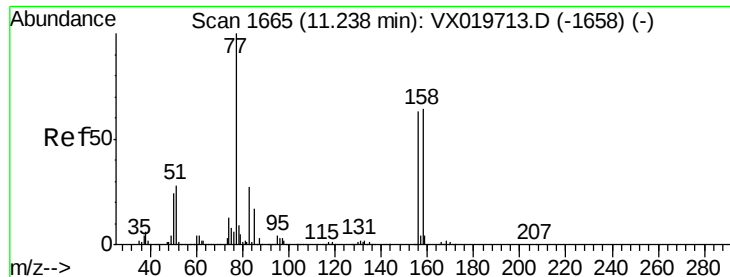
77 42.4 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





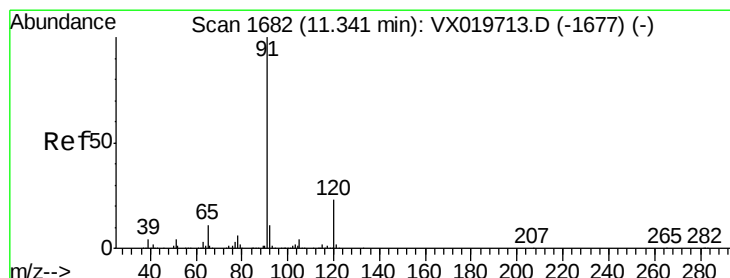
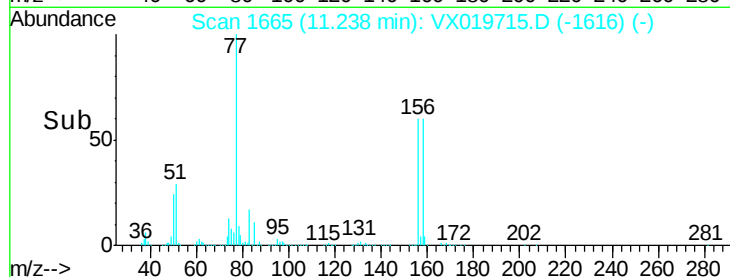
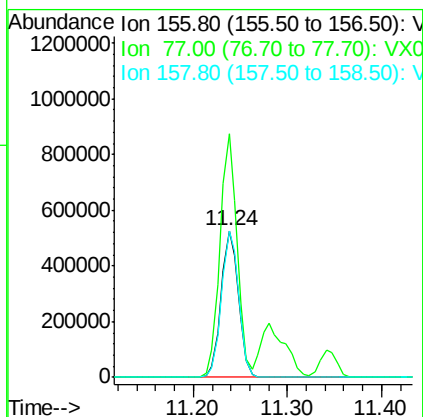
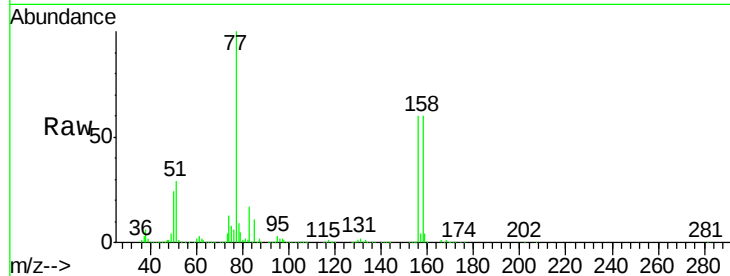
#77
Bromobenzene
Concen: 139.028 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.3	82.8	248.6
158	99.0	49.1	147.4

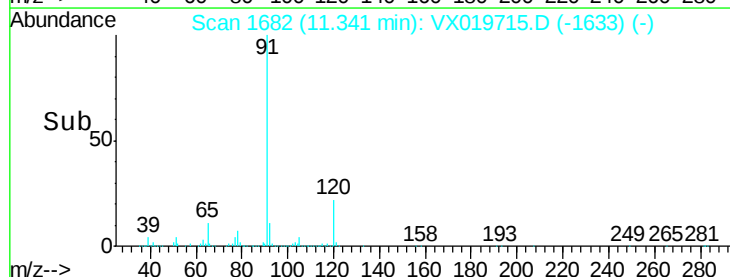
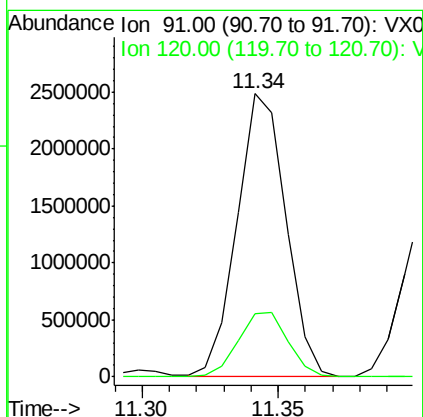
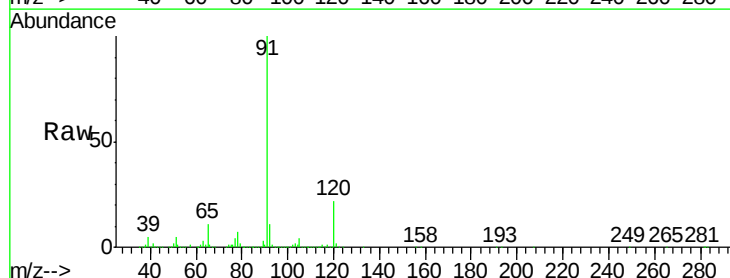
Manual Integrations
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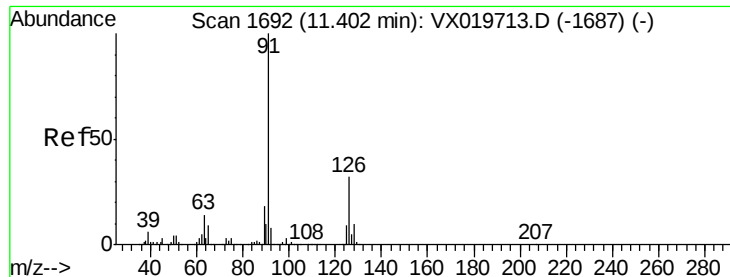
MMDadoda
12/7/2020 10:56:29 AM



#78
n-propylbenzene
Concen: 143.497 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 142.069 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1854035

Ion Ratio Lower Upper

91 100

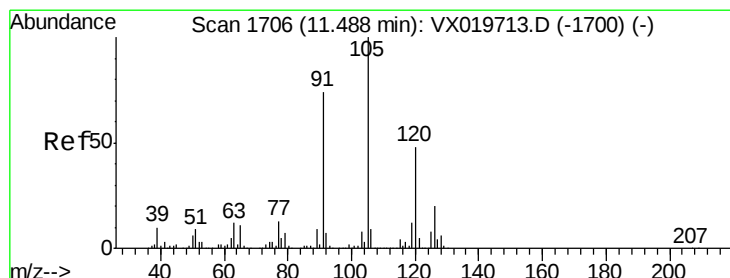
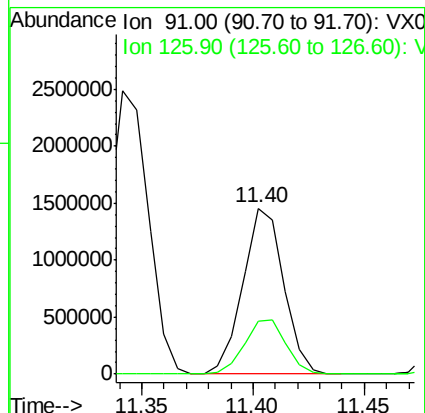
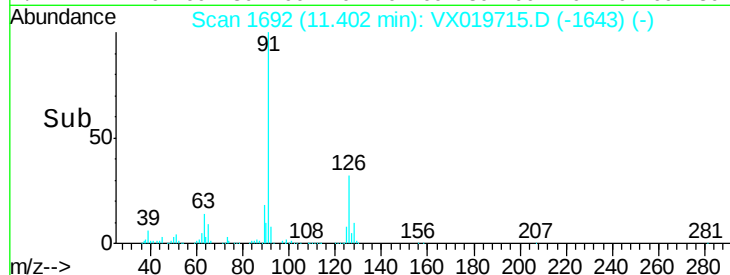
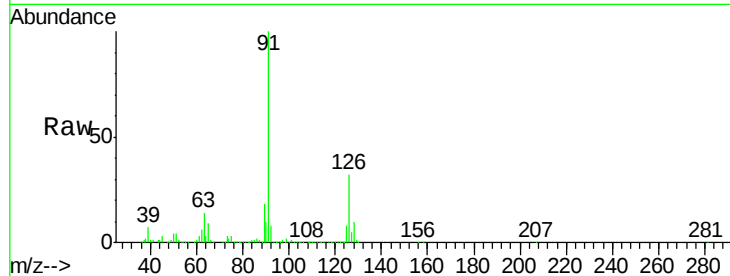
126 33.5 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 144.160 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX019715.D

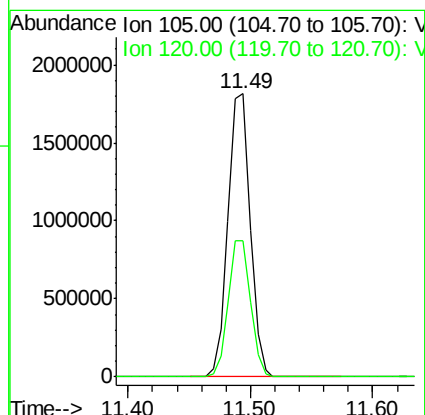
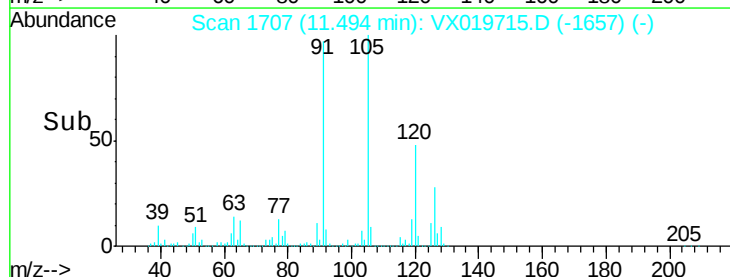
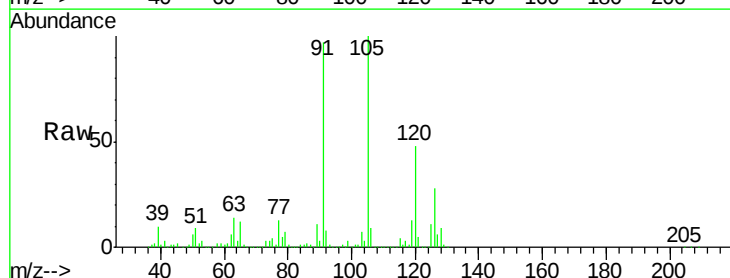
Acq: 04 Dec 2020 13:10

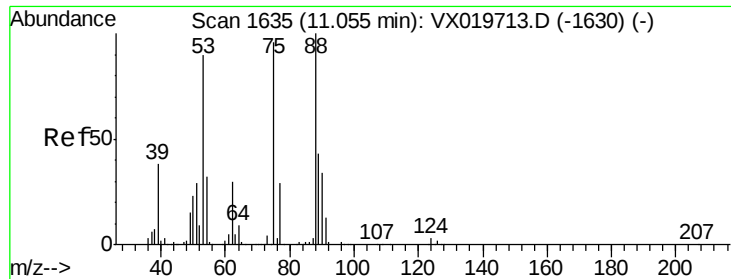
Tgt Ion: 105 Resp: 2269065

Ion Ratio Lower Upper

105 100

120 48.6 23.8 71.5





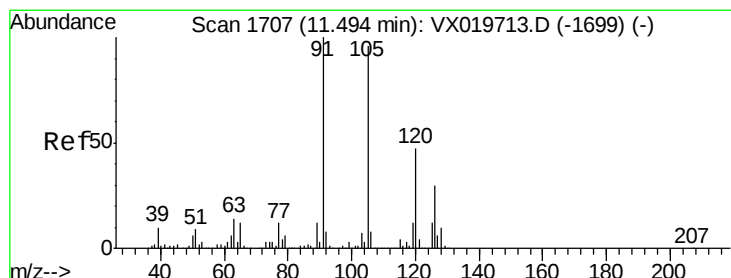
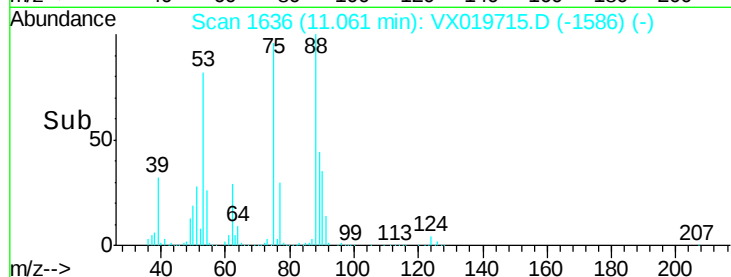
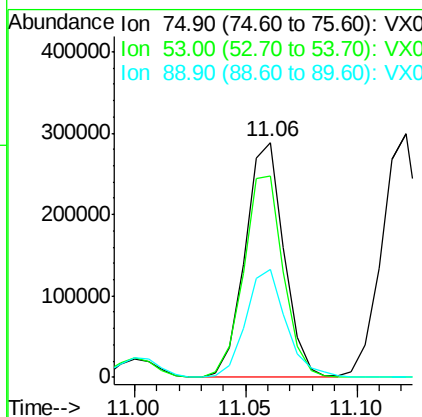
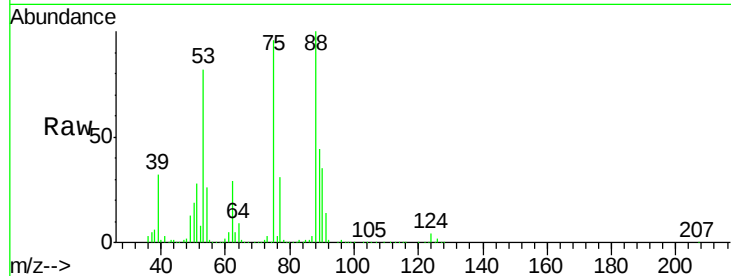
#81
trans-1,4-Dichloro-2-butene
Concen: 159.535 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.1	74.5	111.7
89	48.2	37.9	56.9

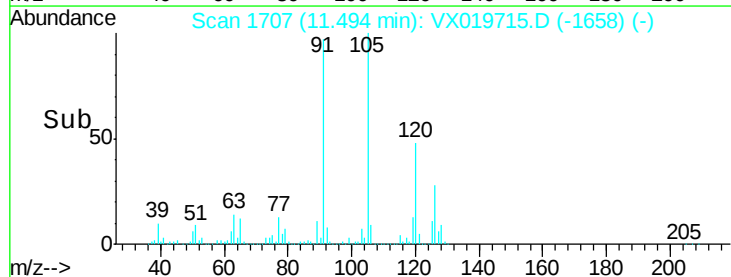
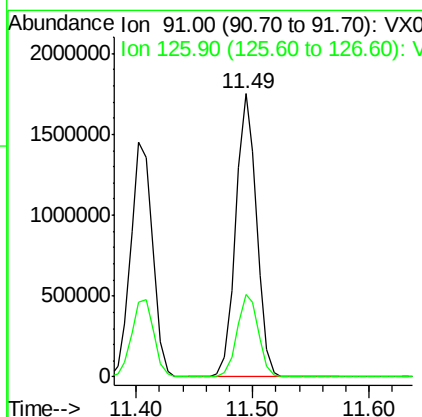
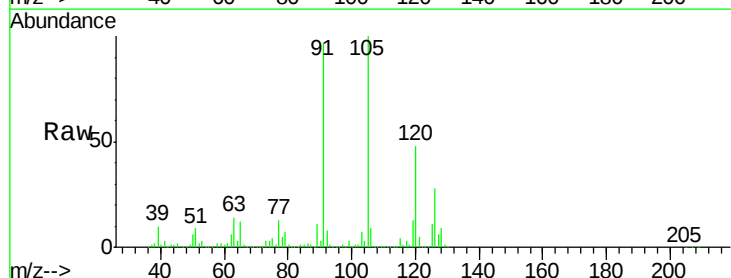
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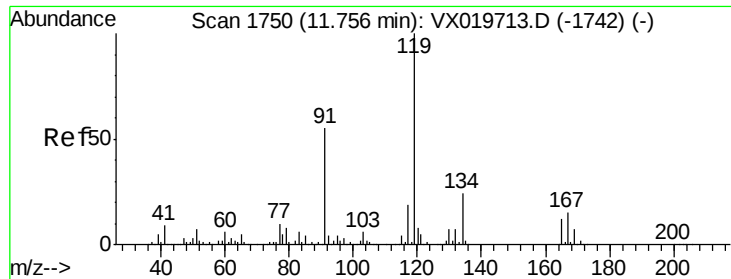
MMDadoda
12/7/2020 10:56:29 AM



#82
4-Chlorotoluene
Concen: 143.364 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.9	44.5





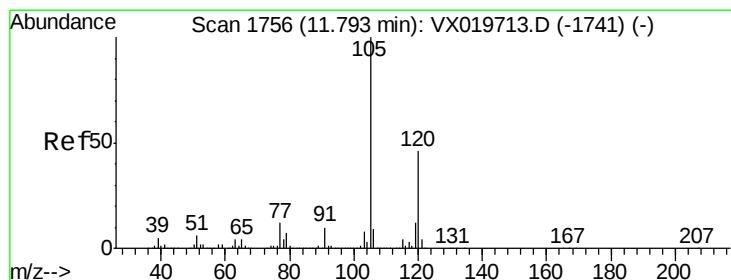
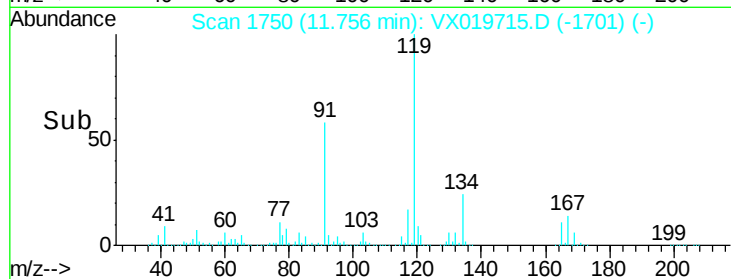
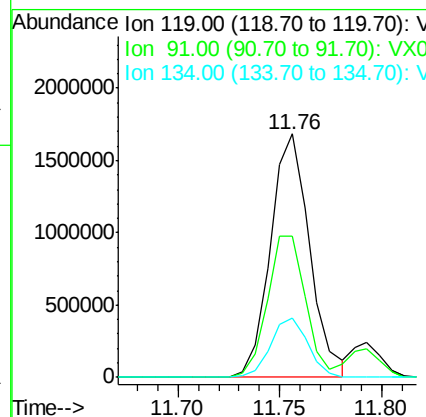
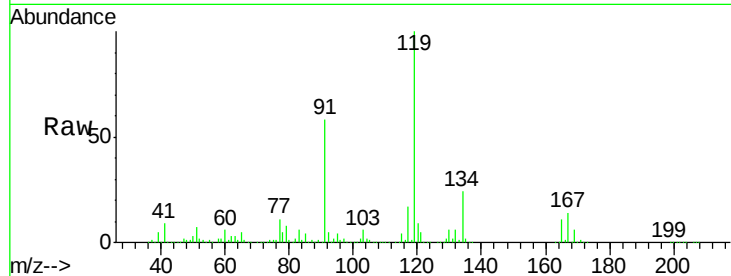
#83
 tert-Butylbenzene
 Concen: 144.730 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	27.9	83.7
134	23.2	11.3	33.9

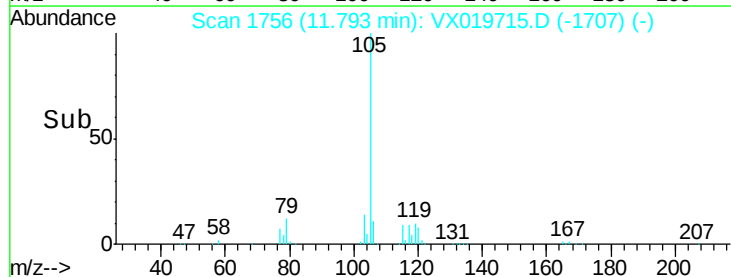
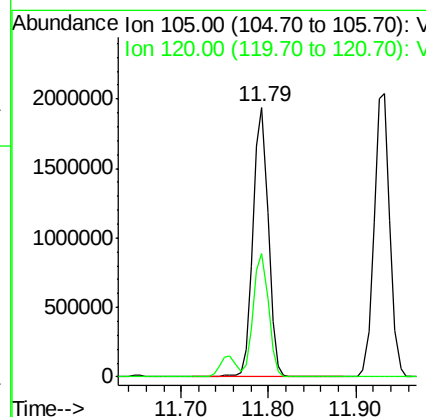
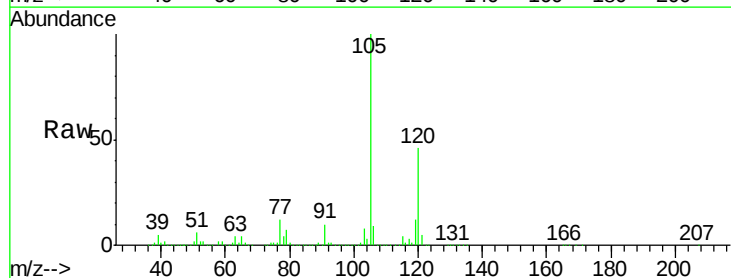
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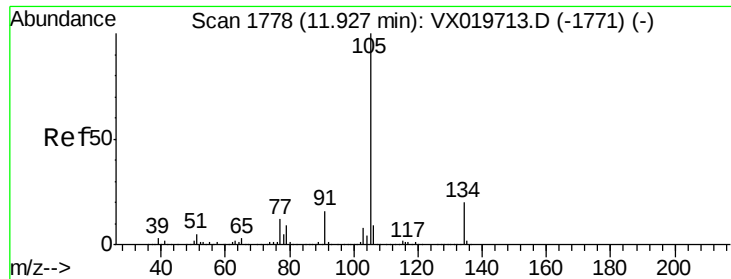
MMDadoda
 12/7/2020 10:56:29 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 145.926 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 145.887 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2582091

Ion Ratio Lower Upper

105 100

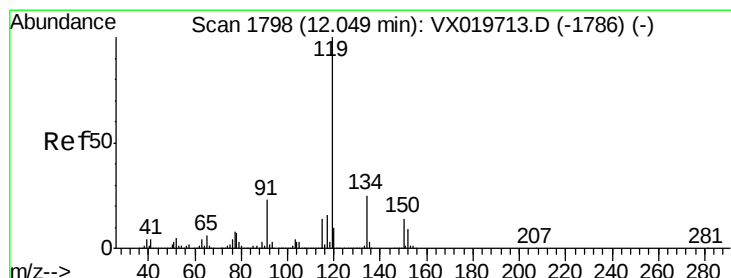
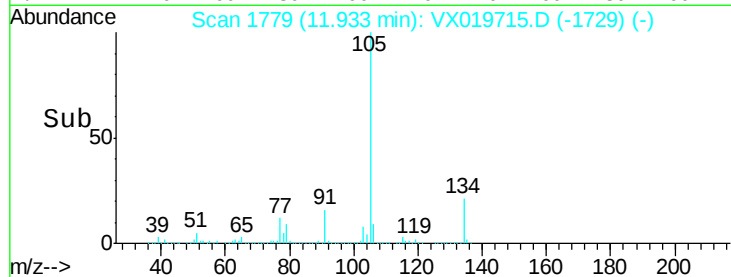
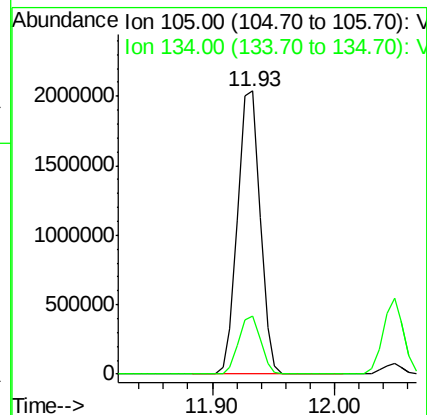
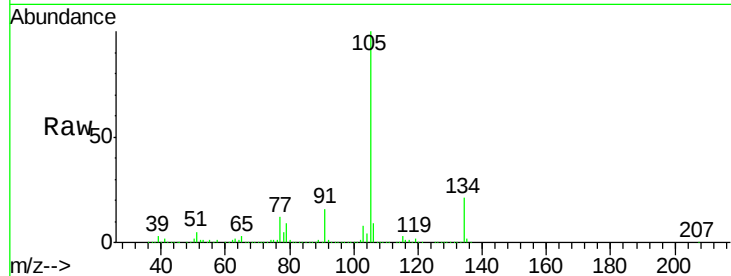
134 20.2 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 146.733 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

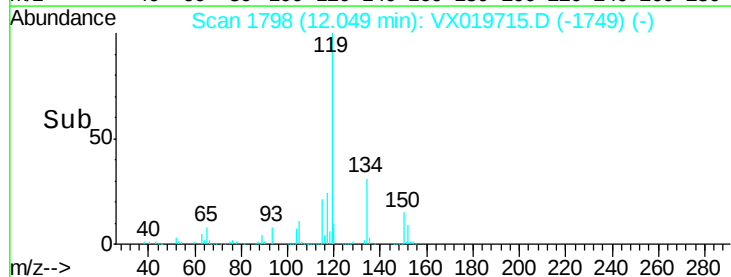
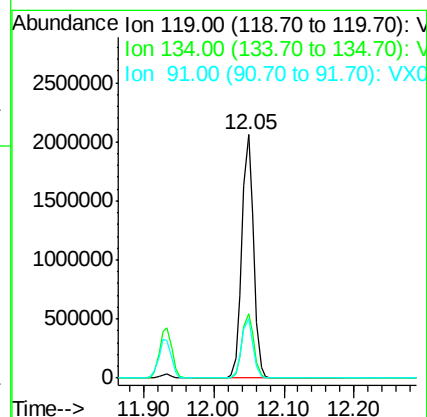
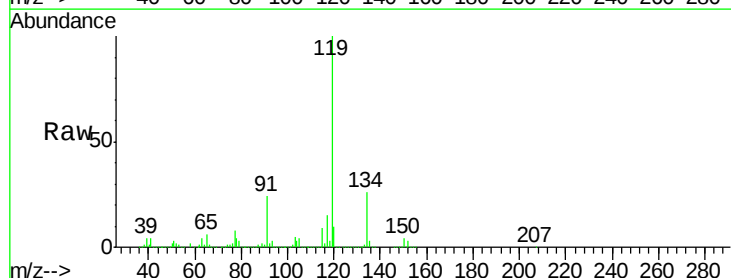
Tgt Ion:119 Resp: 2396480

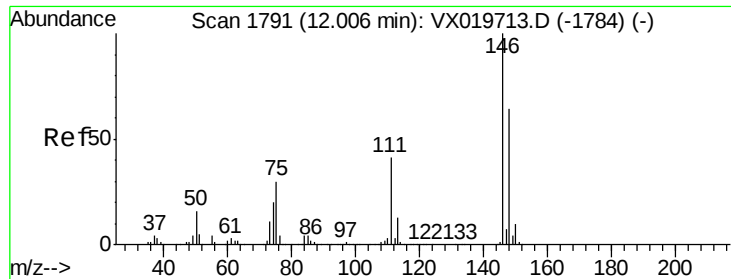
Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

91 24.0 11.7 35.0





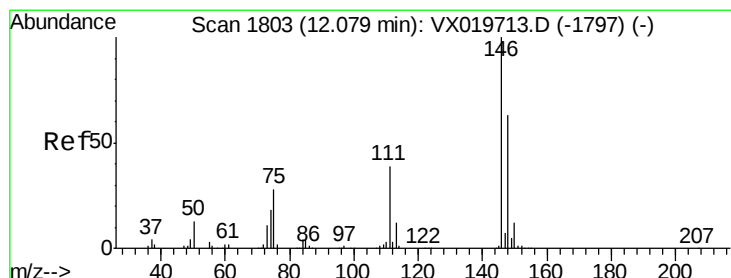
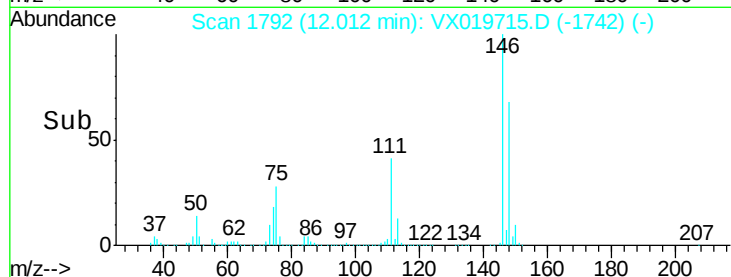
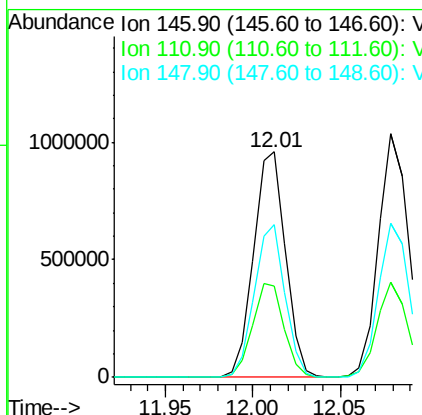
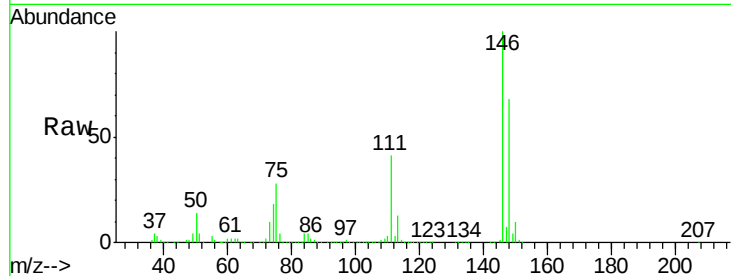
#87
 1,3-Dichlorobenzene
 Concen: 138.706 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.5
148	65.3	31.9	95.7

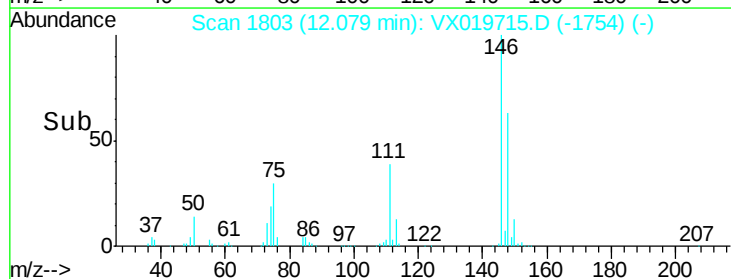
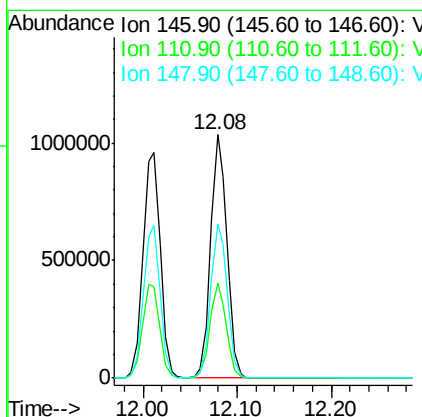
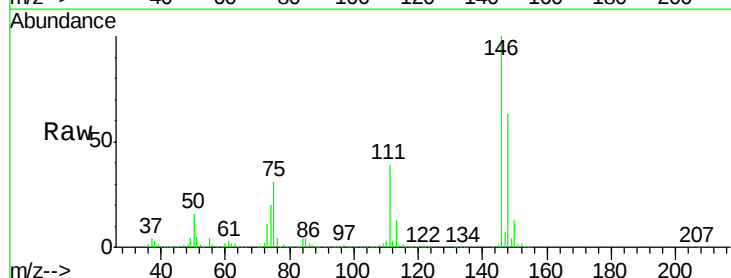
Manual Integrations
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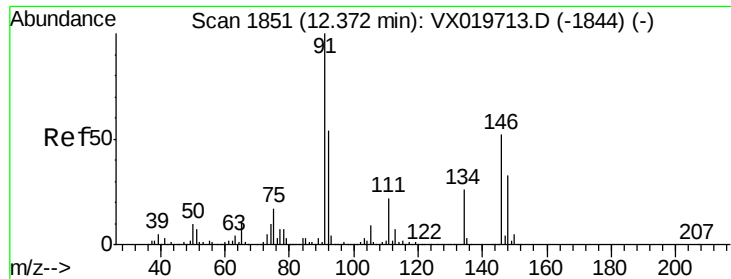
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 138.420 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.8
148	64.3	31.6	95.0





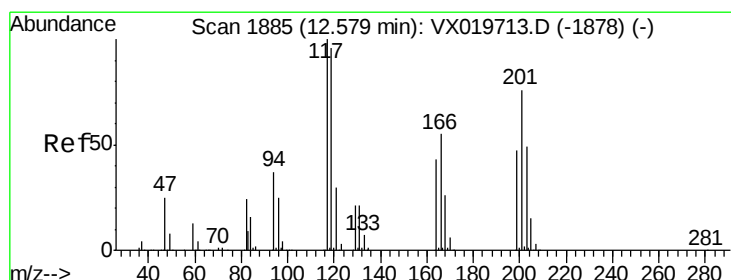
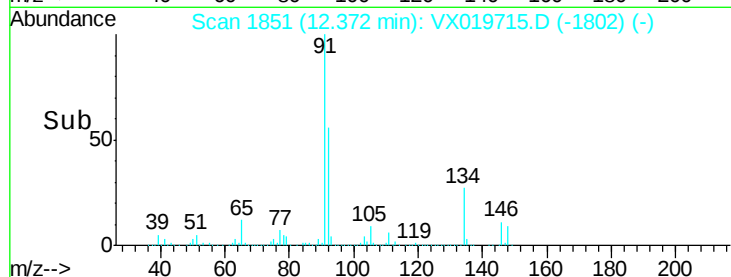
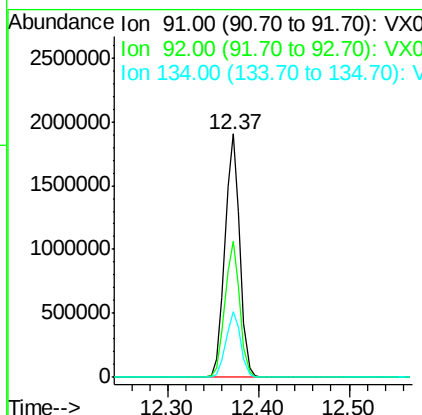
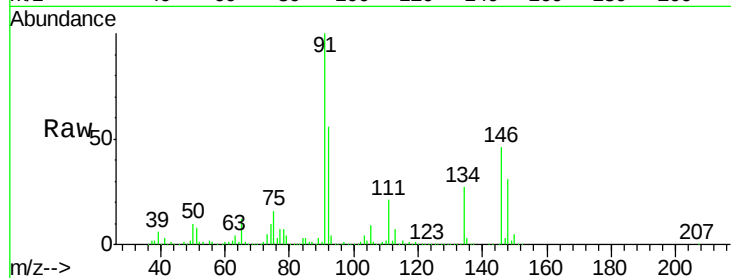
#89
n-Butylbenzene
Concen: 153.293 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2193787
Ion Ratio Lower Upper
91 100
92 55.8 27.4 82.0
134 26.8 13.2 39.5

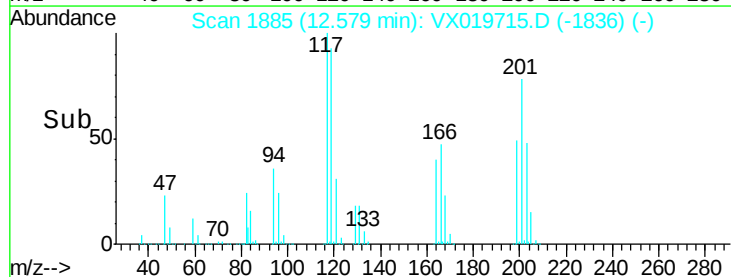
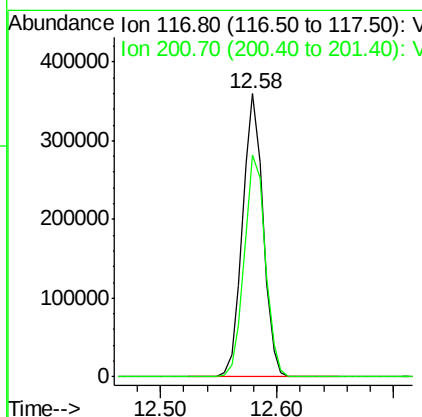
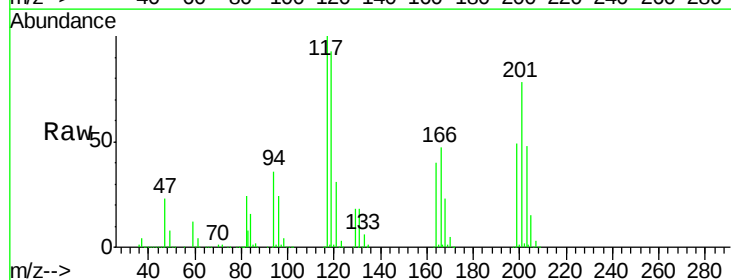
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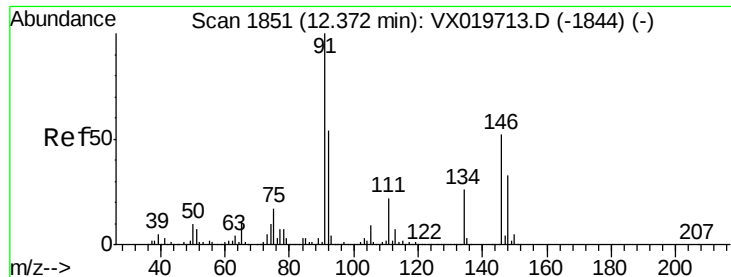
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#90
Hexachloroethane
Concen: 159.657 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion: 117 Resp: 443383
Ion Ratio Lower Upper
117 100
201 80.6 40.4 121.2





#91

1,2-Dichlorobenzene

Concen: 138.429 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1189244

Ion Ratio Lower Upper

146 100

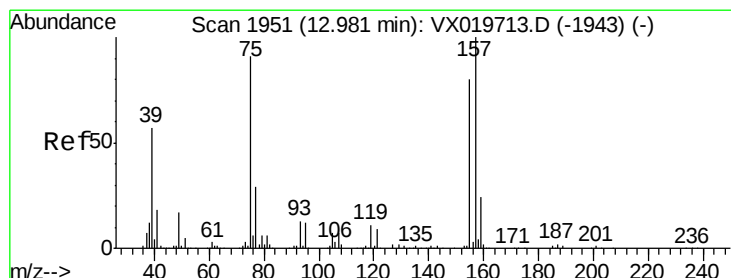
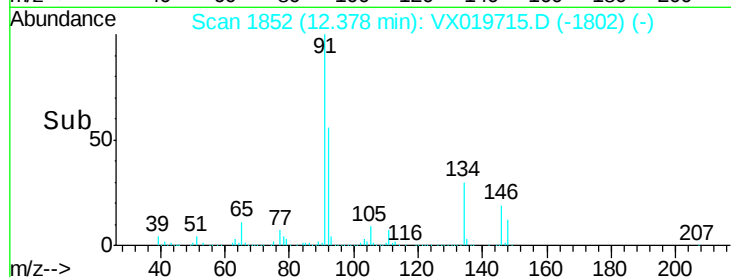
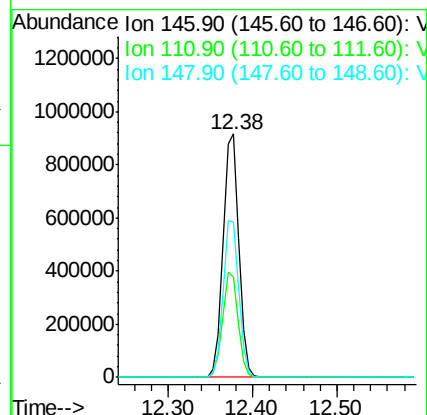
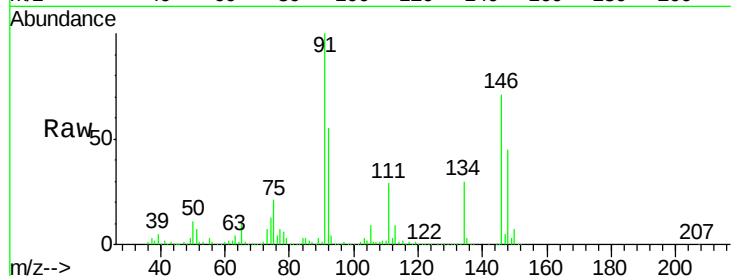
111 42.7 20.8 62.2

148 64.7 31.9 95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 156.647 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX019715.D

Acq: 04 Dec 2020 13:10

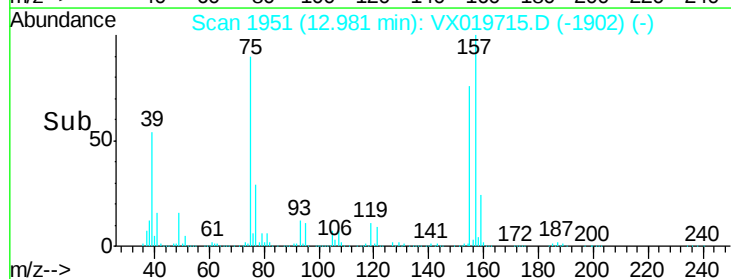
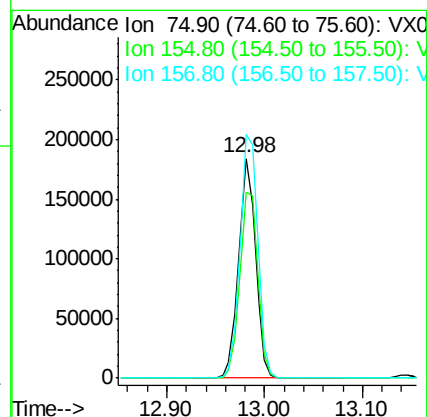
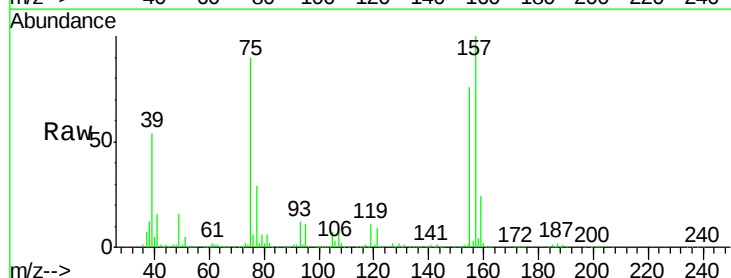
Tgt Ion: 75 Resp: 222990

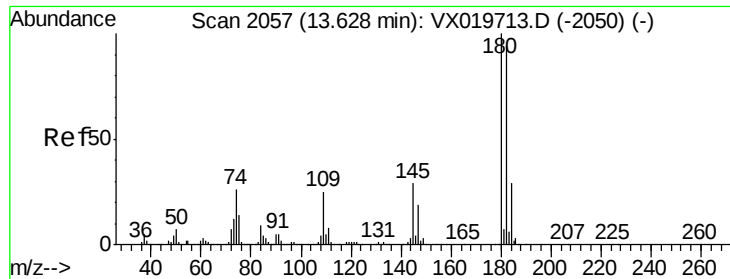
Ion Ratio Lower Upper

75 100

155 89.9 45.3 135.9

157 116.1 57.7 173.1





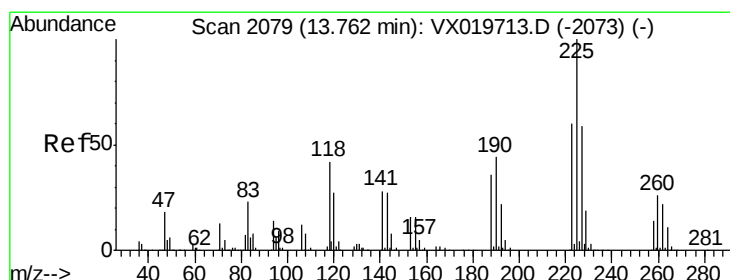
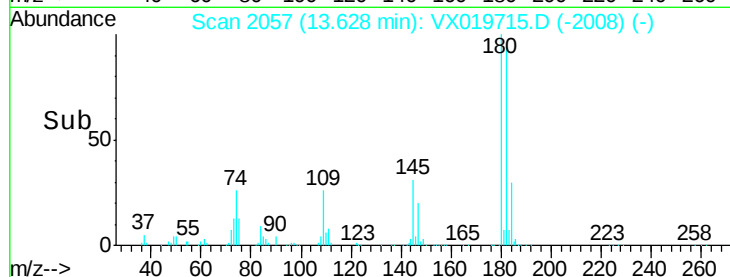
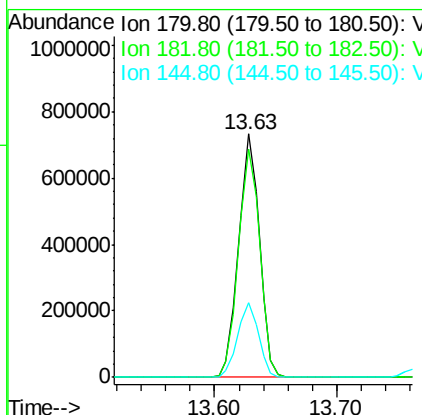
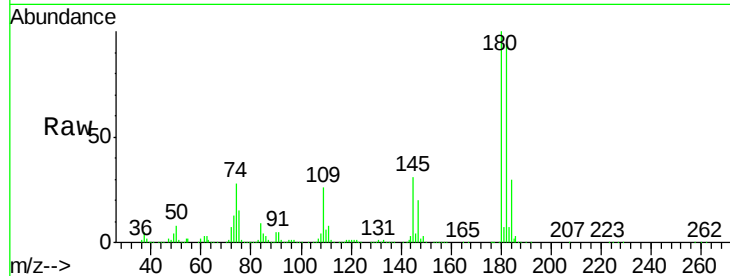
#93
 1,2,4-Trichlorobenzene
 Concen: 154.088 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	857906		
182	96.3	47.7	143.1	
145	31.0	15.0	45.0	

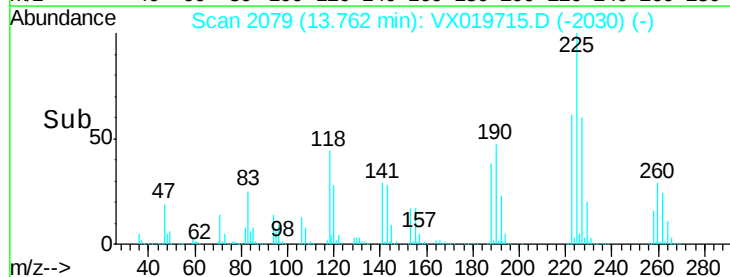
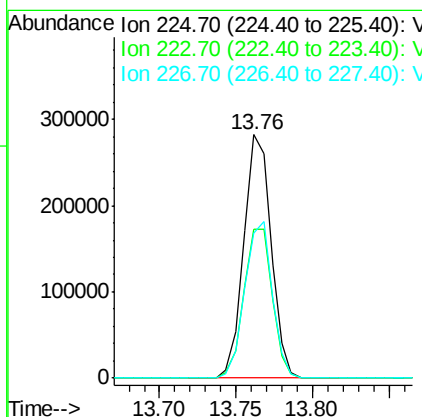
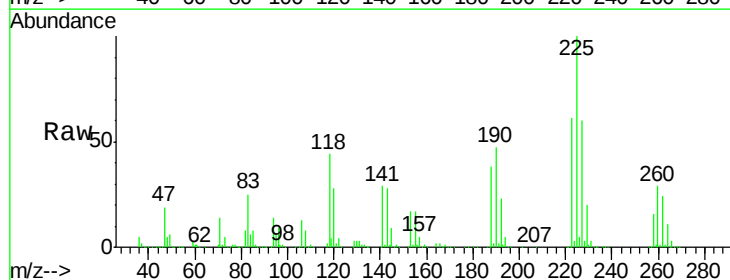
Manual Integrations
 APPROVED

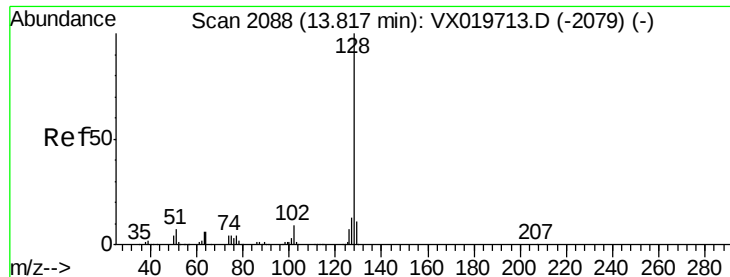
MMDadoda
 12/7/2020 10:56:29 AM



#94
 Hexachlorobutadiene
 Concen: 148.053 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019715.D
 Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	349763		
223	63.7	31.1	93.2	
227	64.7	31.6	95.0	





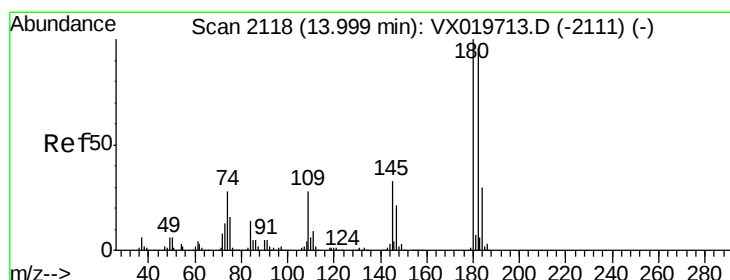
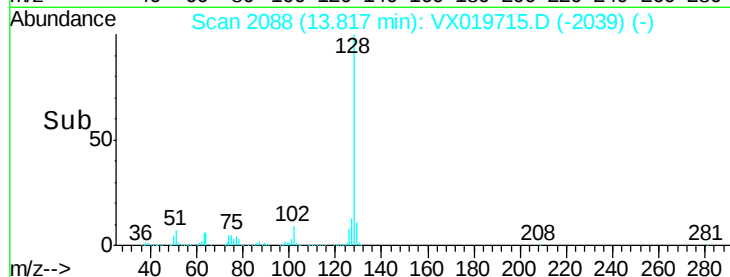
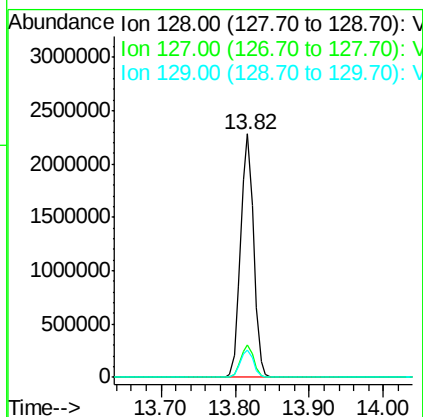
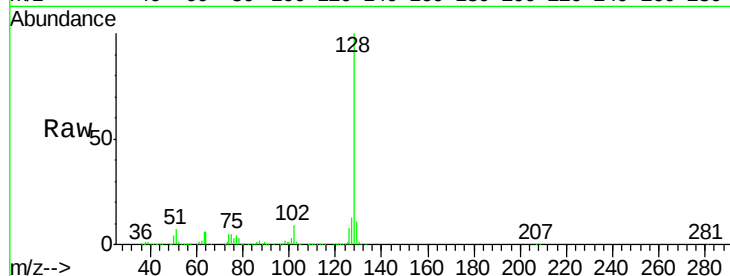
#95
Naphthalene
Concen: 155.642 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/7/2020 10:56:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 149.208 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019715.D
Acq: 04 Dec 2020 13:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.6	142.9
145	33.1	16.1	48.3

