

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070620\
 Data File : VX017173.D
 Acq On : 06 Jul 2020 17:10
 Operator : JC/SP
 Sample : VX0706WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 12:24:44 PM

Quant Time: Jul 07 07:35:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	339734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	512803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	479187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	259174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	208378	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	5.47	113	170940	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	8.70	98	618444	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.12	95	241361	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	59479	18.097	ug/l	98
3) Chloromethane	1.31	50	58688	14.752	ug/l	99
4) Vinyl Chloride	1.39	62	61517	16.666	ug/l	97
5) Bromomethane	1.63	94	39648	20.331	ug/l	98
6) Chloroethane	1.71	64	37645	17.268	ug/l	99
7) Trichlorofluoromethane	1.92	101	105997	19.416	ug/l	97
8) Diethyl Ether	2.17	74	35653	19.634	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	62049	18.964	ug/l	97
10) Methyl Iodide	2.50	142	52639	12.468	ug/l	100
11) Tert butyl alcohol	3.01	59	68936	86.279	ug/l	97
12) 1,1-Dichloroethene	2.36	96	60689	18.056	ug/l	95
13) Acrolein	2.27	56	23683	49.585	ug/l	93
14) Allyl chloride	2.71	41	107207	17.259	ug/l	98
15) Acrylonitrile	3.12	53	171966	89.531	ug/l	99
16) Acetone	2.42	43	160937	102.718	ug/l	97
17) Carbon Disulfide	2.55	76	167380	17.860	ug/l	99
18) Methyl Acetate	2.75	43	76242	18.641	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	216562	19.197	ug/l	99
20) Methylene Chloride	2.84	84	69051	18.727	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	69037	18.508	ug/l	97
22) Diisopropyl ether	3.82	45	217151	18.888	ug/l	98
23) Vinyl Acetate	3.79	43	925428	93.673	ug/l	100
24) 1,1-Dichloroethane	3.67	63	121204	18.528	ug/l	99
25) 2-Butanone	4.64	43	242371	92.839	ug/l	94
26) 2,2-Dichloropropane	4.55	77	112848	19.428	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	77046	18.230	ug/l	99
28) Bromochloromethane	4.98	49	60105	18.881	ug/l	94
29) Tetrahydrofuran	5.10	42	149590	86.723	ug/l	97
30) Chloroform	5.18	83	127012	18.940	ug/l	99
31) Cyclohexane	5.55	56	101713	17.988	ug/l	100
32) 1,1,1-Trichloroethane	5.47	97	118010	19.108	ug/l	100
36) 1,1-Dichloropropene	5.77	75	92777	19.143	ug/l	99
37) Ethyl Acetate	4.79	43	94034	19.123	ug/l	99
38) Carbon Tetrachloride	5.76	117	106776	20.002	ug/l	95

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Manual Integrations
 APPROVED

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 7/7/2020 12:24:44 PM

Quant Time: Jul 07 07:35:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	103056	19.111	ug/l	97
40) Benzene	6.12	78	271640	19.076	ug/l	99
41) Methacrylonitrile	5.01	41	51961	18.774	ug/l	99
42) 1,2-Dichloroethane	6.17	62	101828	19.797	ug/l	99
43) Isopropyl Acetate	6.42	43	154550	18.914	ug/l	100
44) Trichloroethene	7.19	130	80202	20.226	ug/l	100
45) 1,2-Dichloropropane	7.49	63	69198	18.920	ug/l	99
46) Dibromomethane	7.64	93	47673	19.092	ug/l	95
47) Bromodichloromethane	7.88	83	100935	19.615	ug/l	99
48) Methyl methacrylate	7.74	41	74503	19.191	ug/l	98
49) 1,4-Dioxane	7.71	88	30412	345.791	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	472626	97.030	ug/l	100
52) Toluene	8.77	92	175476	19.737	ug/l	96
53) t-1,3-Dichloropropene	9.02	75	111493	19.637	ug/l	97
54) cis-1,3-Dichloropropene	8.41	75	119606	19.651	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	71140	19.584	ug/l	98
56) Ethyl methacrylate	9.16	69	102511	19.827	ug/l	98
57) 1,3-Dichloropropane	9.35	76	118264	19.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	266539	103.583	ug/l	98
59) 2-Hexanone	9.47	43	351669	98.856	ug/l	100
60) Dibromochloromethane	9.56	129	83852	19.875	ug/l	100
61) 1,2-Dibromoethane	9.65	107	76814	19.673	ug/l	98
64) Tetrachloroethene	9.32	164	77912	20.146	ug/l	98
65) Chlorobenzene	10.12	112	196474	19.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	75797	19.886	ug/l	99
67) Ethyl Benzene	10.24	91	325027	19.679	ug/l	98
68) m/p-Xylenes	10.34	106	255688	40.318	ug/l	100
69) o-Xylene	10.68	106	117874	19.538	ug/l	97
70) Styrene	10.70	104	209269	20.370	ug/l	98
71) Bromoform	10.84	173	63622	21.049	ug/l #	99
73) Isopropylbenzene	11.00	105	327309	19.280	ug/l	100
74) N-amyl acetate	10.88	43	131933	18.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	99487	18.631	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	99249m	19.474	ug/l	
77) Bromobenzene	11.24	156	88056	18.873	ug/l	95
78) n-propylbenzene	11.34	91	368784	19.210	ug/l	99
79) 2-Chlorotoluene	11.40	91	227749	19.602	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	281345	19.980	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	36302	18.446	ug/l	96
82) 4-Chlorotoluene	11.49	91	271539	19.551	ug/l	98
83) tert-Butylbenzene	11.76	119	268619	19.433	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	280574	19.640	ug/l	99
85) sec-Butylbenzene	11.93	105	309397	19.042	ug/l	99
86) p-Isopropyltoluene	12.05	119	295679	19.548	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	161624	19.073	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	165401	20.585	ug/l	99
89) n-Butylbenzene	12.37	91	253645	18.780	ug/l	99
90) Hexachloroethane	12.58	117	52322	17.541	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	153096	19.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	22829	17.921	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

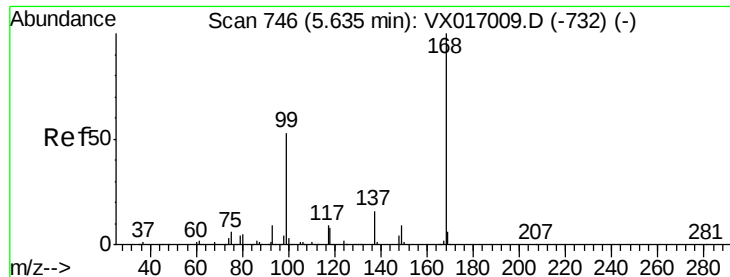
Manual Integrations
APPROVED

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7/7/2020 12:24:44 PM

Quant Time: Jul 07 07:35:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	105521	19.518	ug/l	98
94) Hexachlorobutadiene	13.77	225	39558	19.798	ug/l	95
95) Naphthalene	13.82	128	317773	19.334	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	103536	19.789	ug/l	98

(#) = 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: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion:168 Resp: 339734

Ion Ratio Lower Upper

168 100

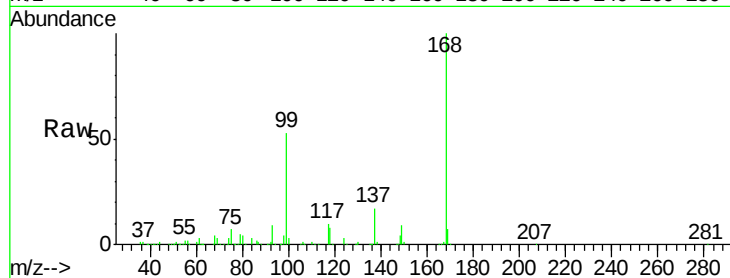
99 53.0 42.6 64.0

Manual Integrations

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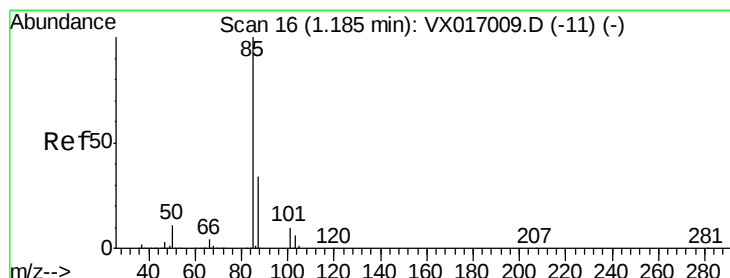
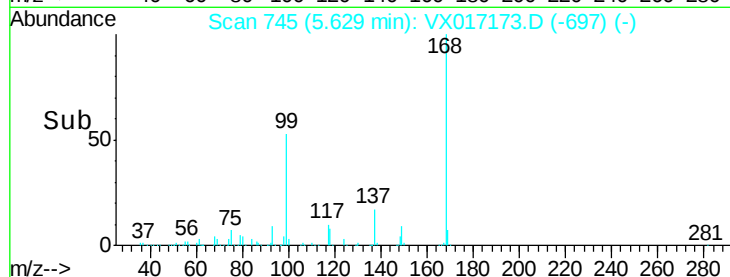
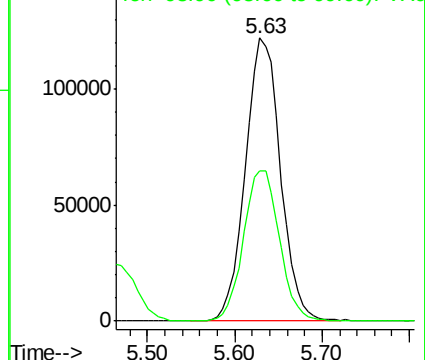
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.097 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017173.D

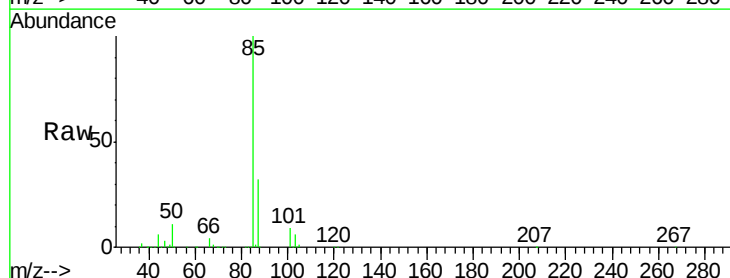
Acq: 06 Jul 2020 17:10

Tgt Ion: 85 Resp: 59479

Ion Ratio Lower Upper

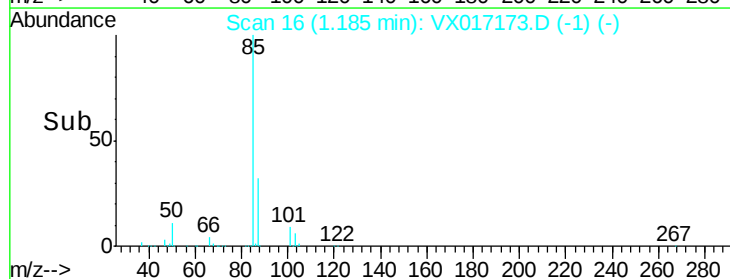
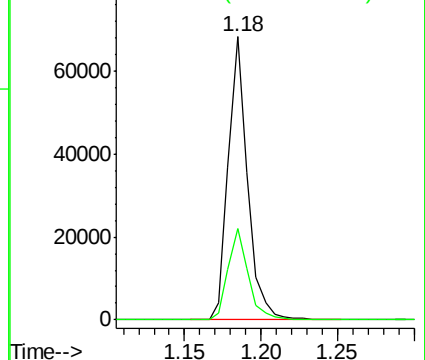
85 100

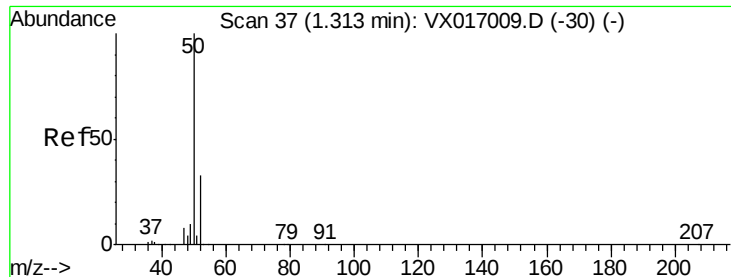
87 32.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 14.752 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 50 Resp: 58688

Ion Ratio Lower Upper

50 100

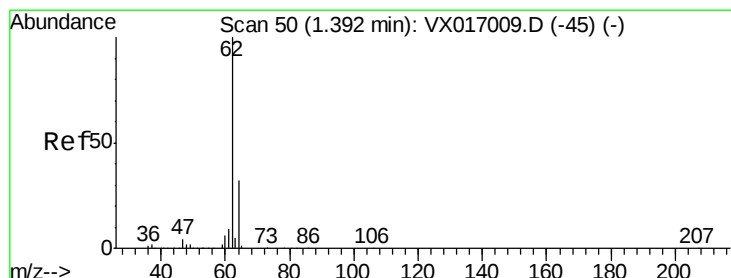
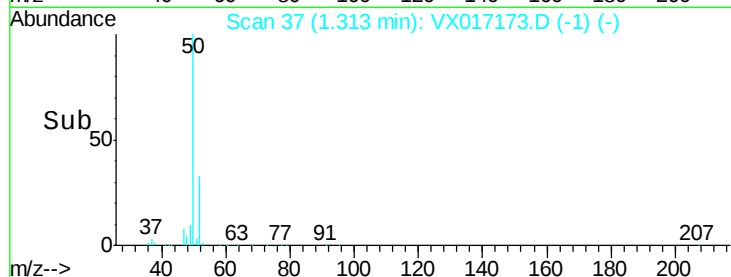
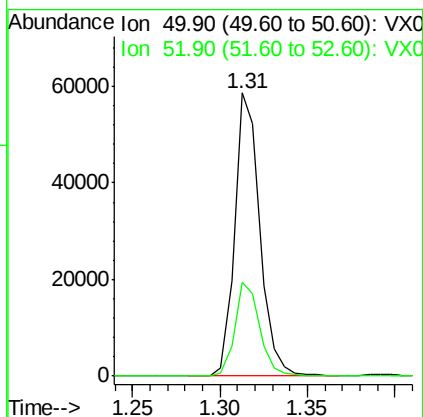
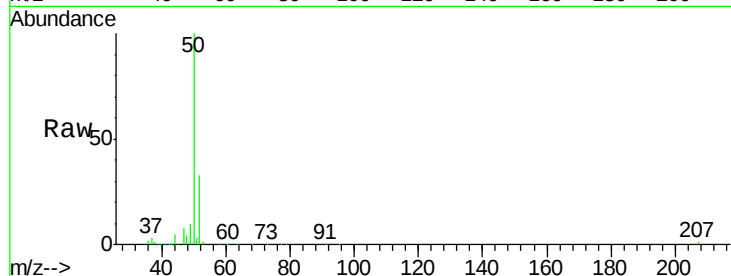
52 33.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.666 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017173.D

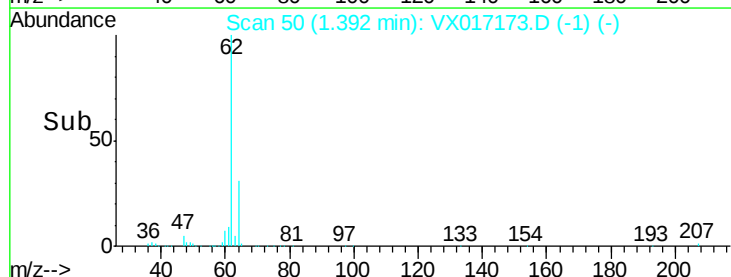
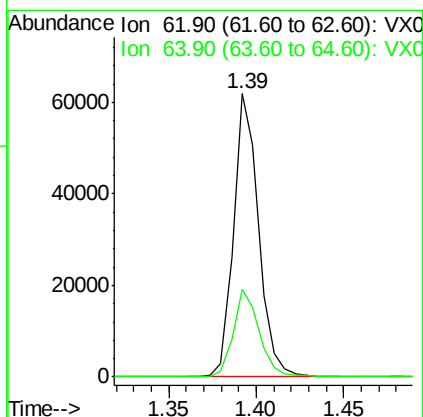
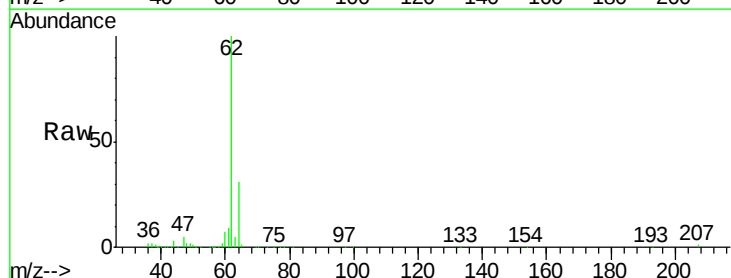
Acq: 06 Jul 2020 17:10

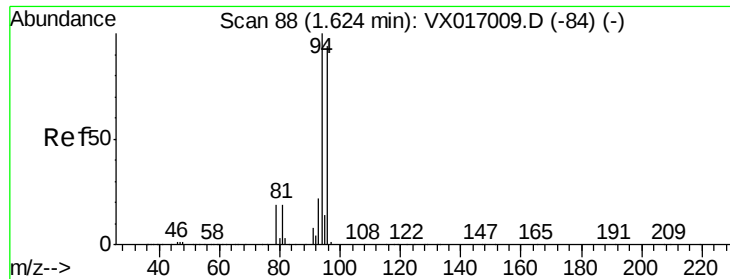
Tgt Ion: 62 Resp: 61517

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 20.331 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampled :

VX0706WBSD01

Tot Ion: 94 Resp: 39648

Ion Ratio Lower Upper

94 100

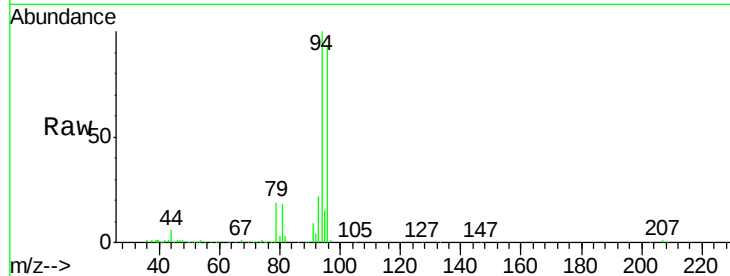
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Manual Integrations

APPROVED

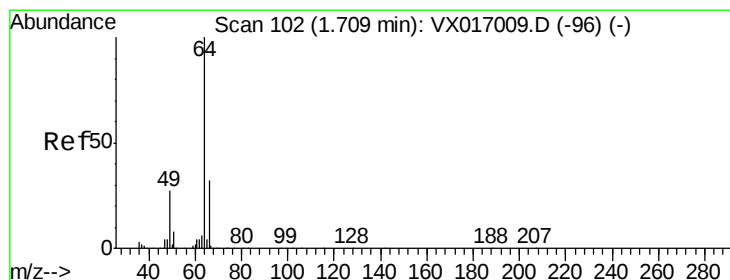
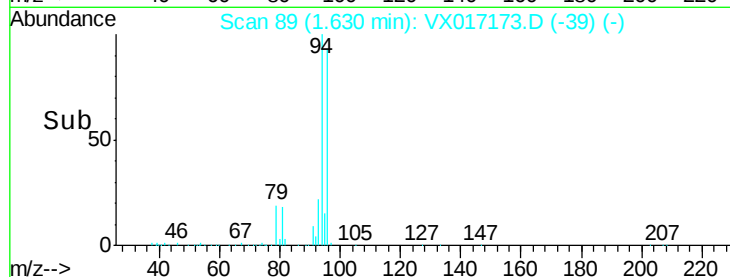
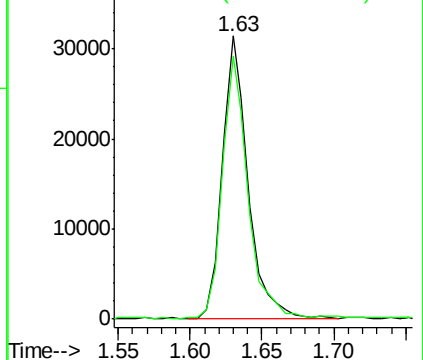
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.268 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017173.D

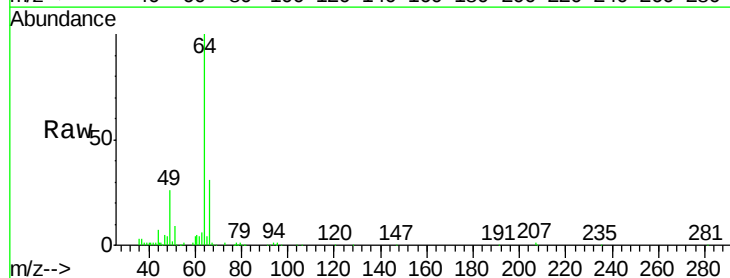
Acq: 06 Jul 2020 17:10

Tgt Ion: 64 Resp: 37645

Ion Ratio Lower Upper

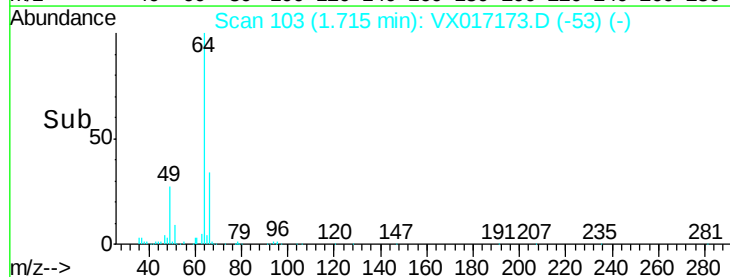
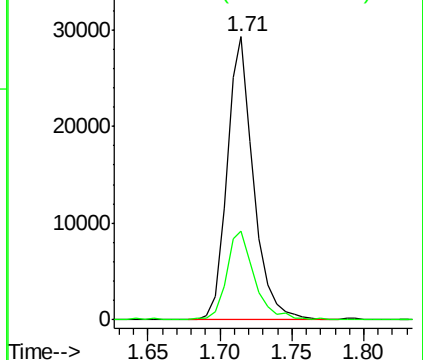
64 100

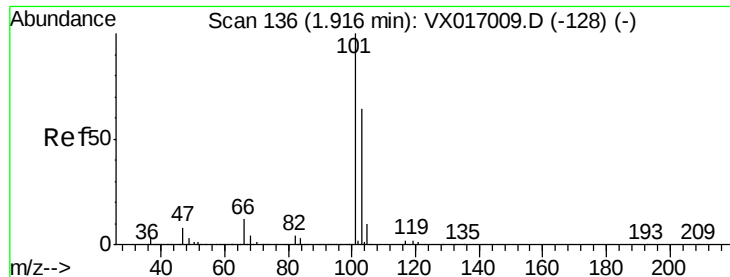
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

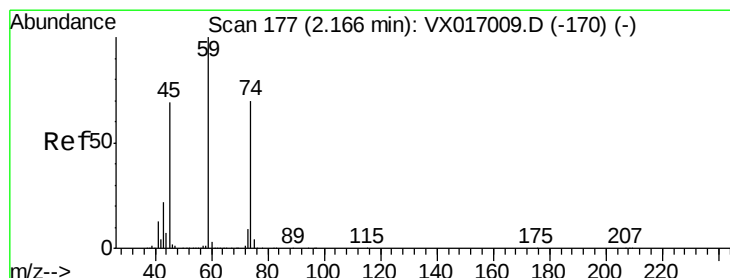
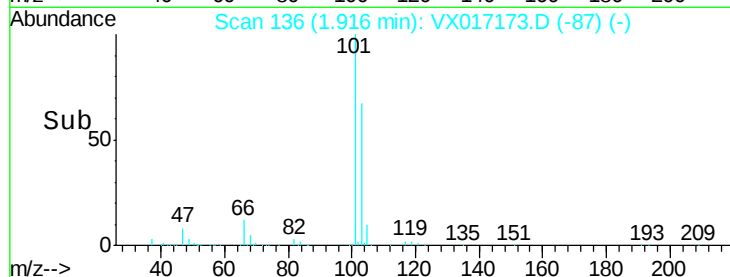
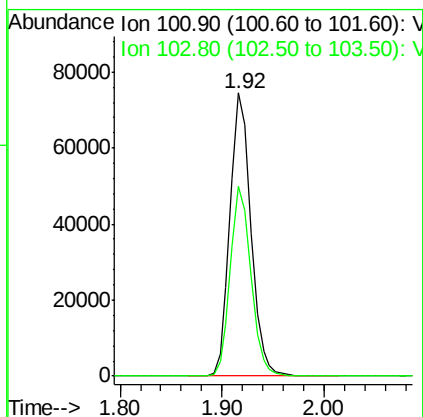
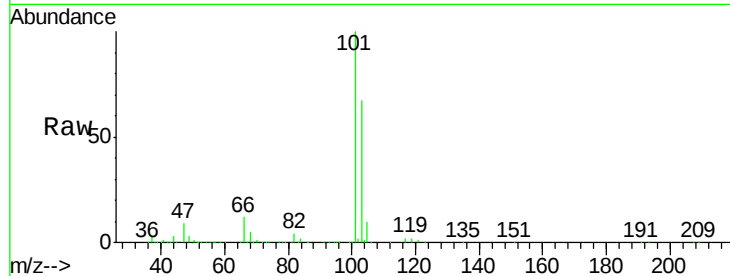
Trichlorofluoromethane
Concen: 19.416 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
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ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.5	77.3

Manual Integrations
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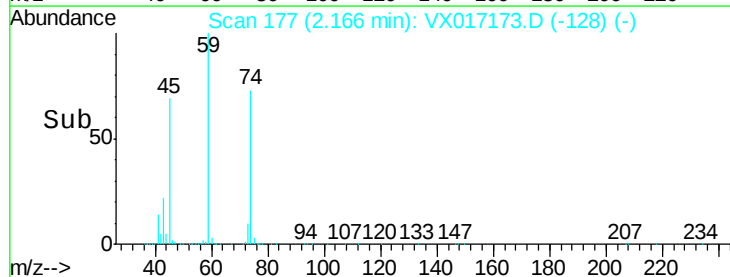
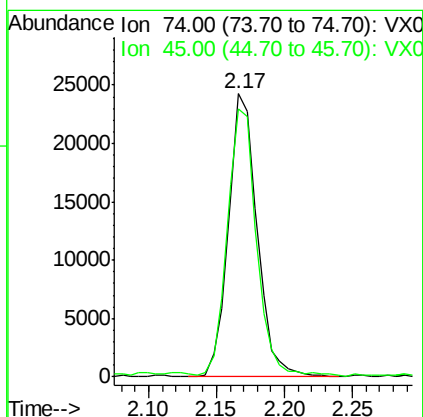
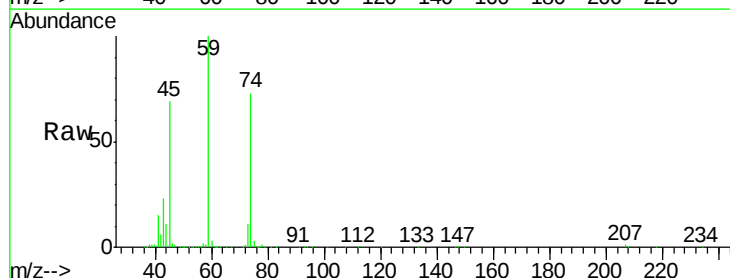
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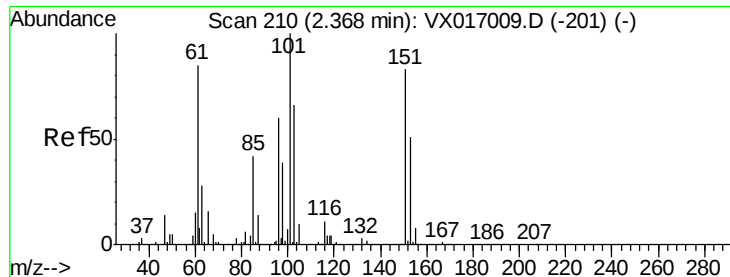


#8

Diethyl Ether
Concen: 19.634 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.964 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

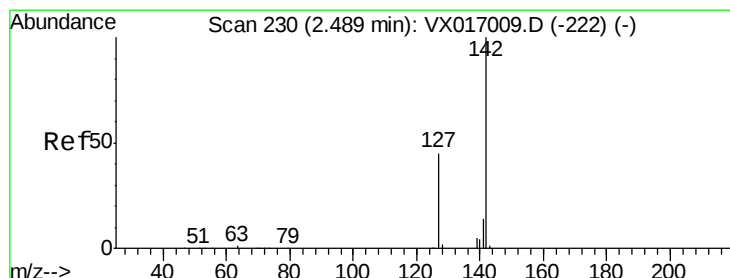
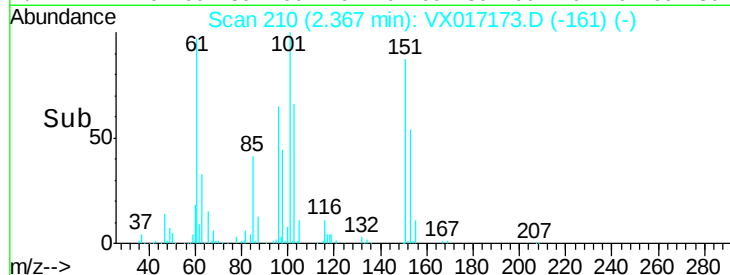
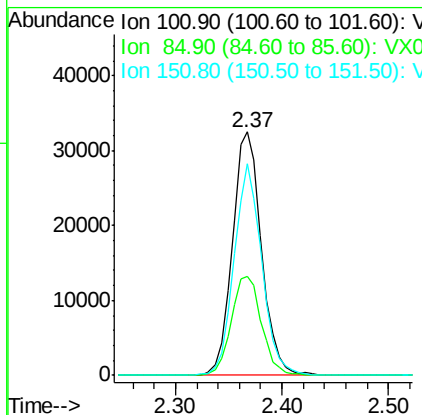
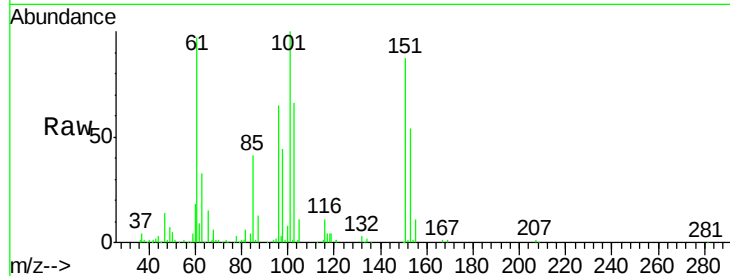
ClientSampleId :

VX0706WBSD01

Tot Ion:	101	Resp:	62049
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.5	50.3
151	83.4	63.8	95.6

Manual Integrations
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7/7/2020 12:24:44 PM



#10

Methyl Iodide

Concen: 12.468 ug/l

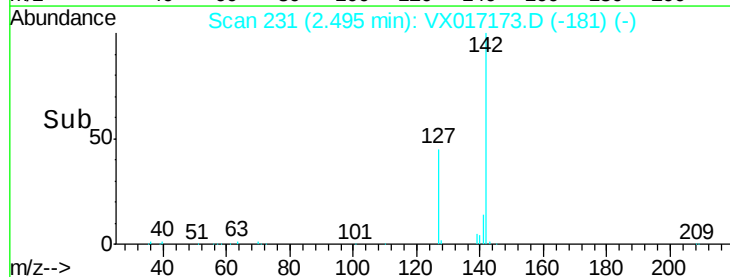
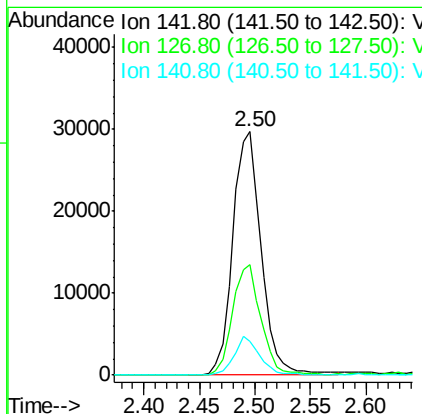
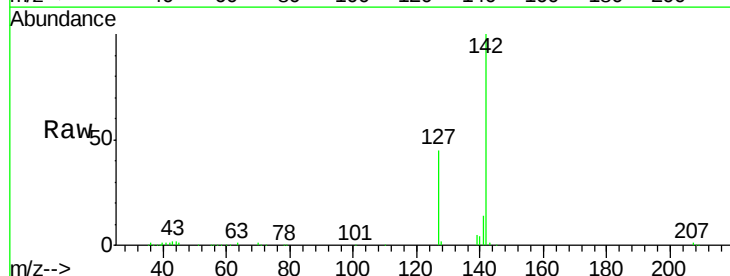
RT: 2.50 min Scan# 231

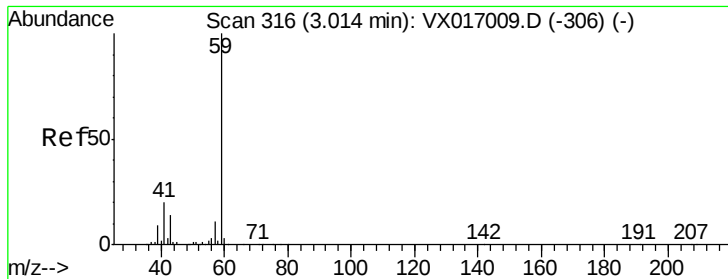
Delta R.T. 0.01 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Tgt Ion:	142	Resp:	52639
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.6	54.8
141	14.2	11.6	17.4





#11

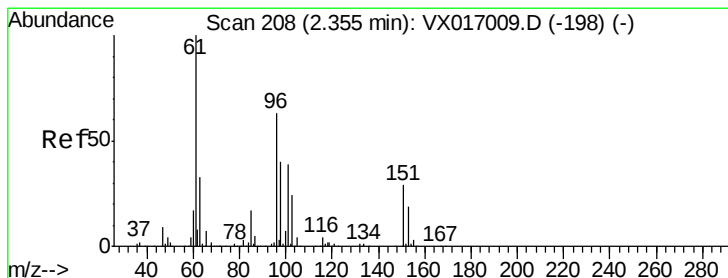
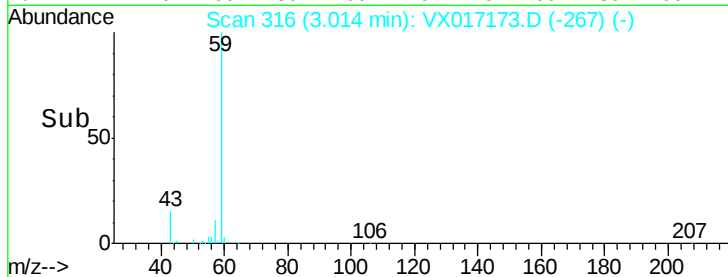
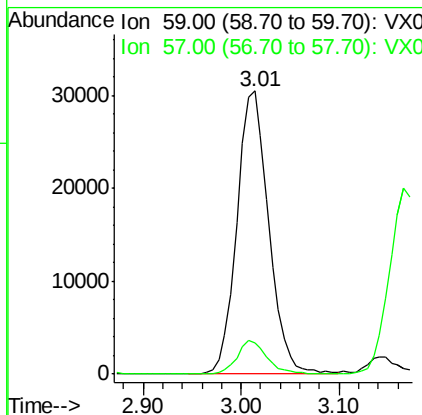
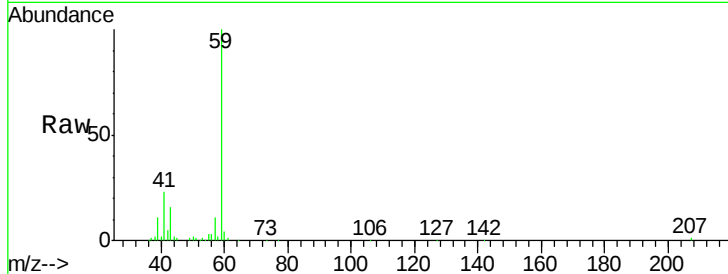
Tert butyl alcohol
Concen: 86.279 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampled :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.2

Manual Integrations
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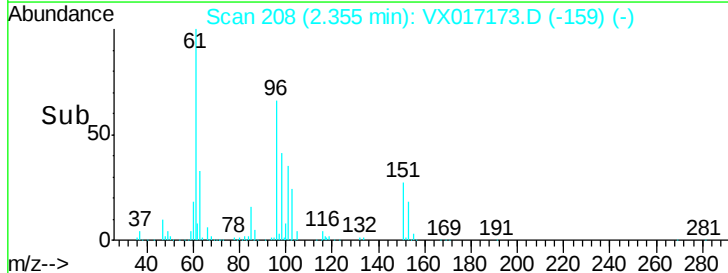
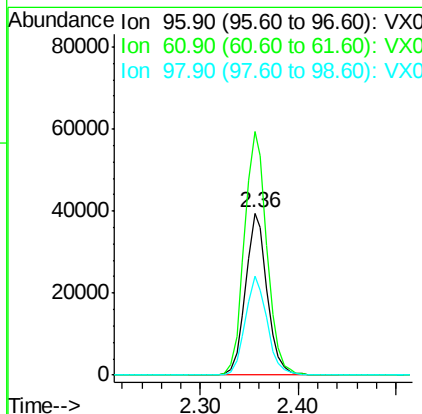
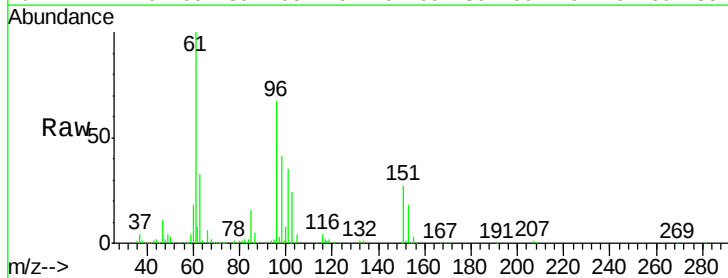
MMDadoda
7/7/2020 12:24:44 PM

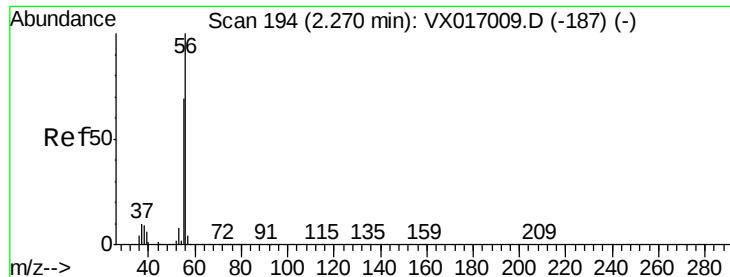


#12

1,1-Dichloroethene
Concen: 18.056 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.3	126.3	189.5
98	61.0	51.0	76.6





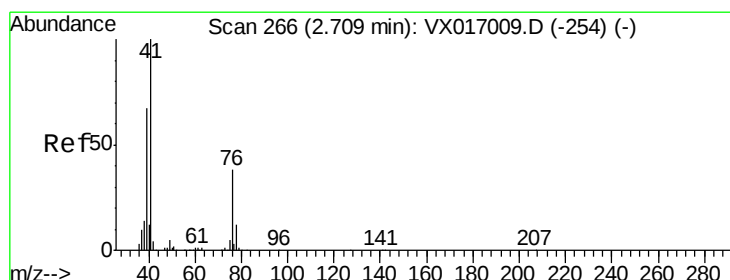
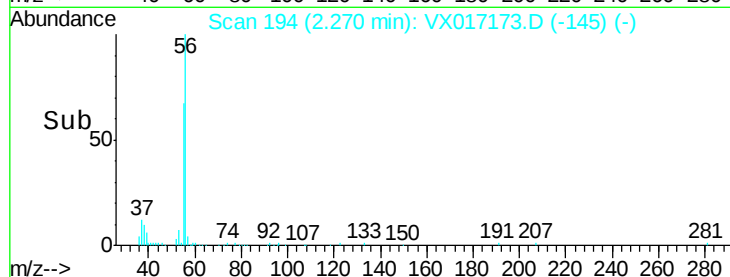
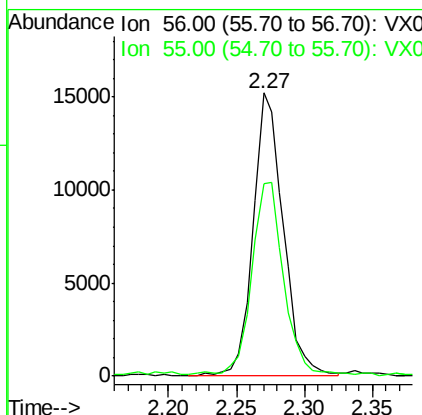
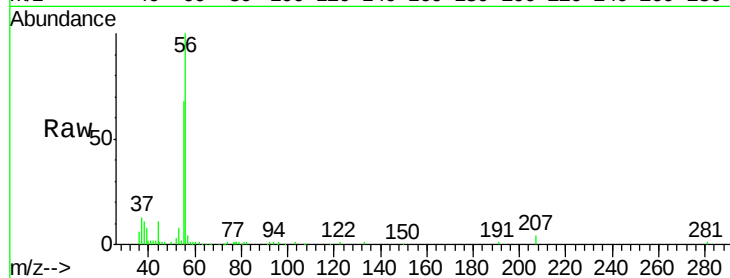
#13
Acrolein
Concen: 49.585 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
23683	100	75.0		55.7	83.5

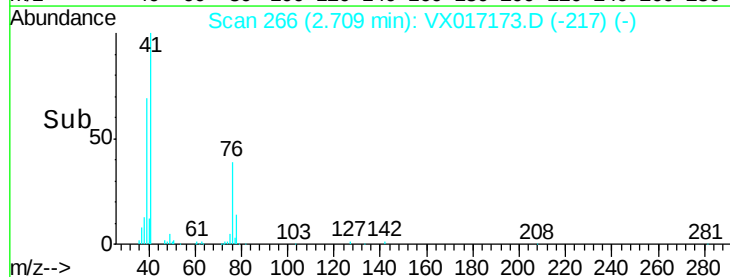
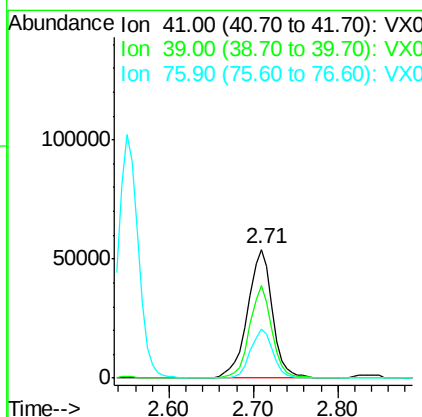
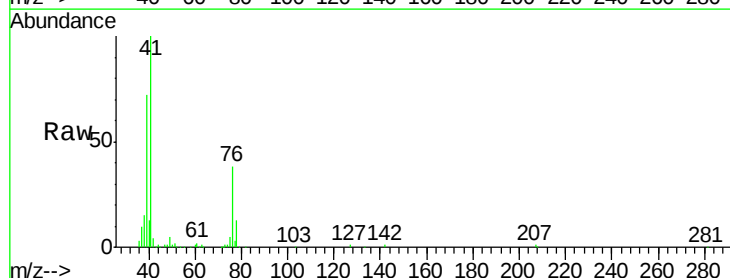
Manual Integrations
APPROVED

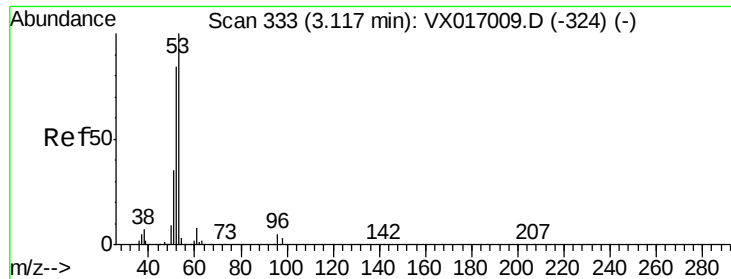
MMDadoda
7/7/2020 12:24:44 PM



#14
Allyl chloride
Concen: 17.259 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	41	39	76	Ratio	Lower	Upper
107207	100	64.5	33.8		49.4	74.2
					26.8	40.2





#15

Acrylonitrile

Concen: 89.531 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

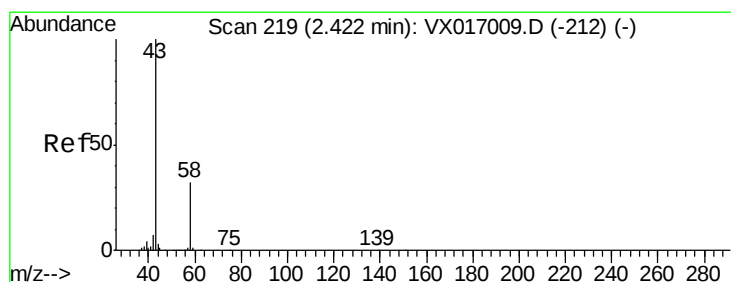
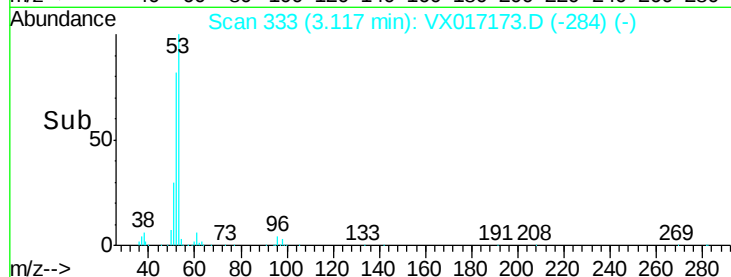
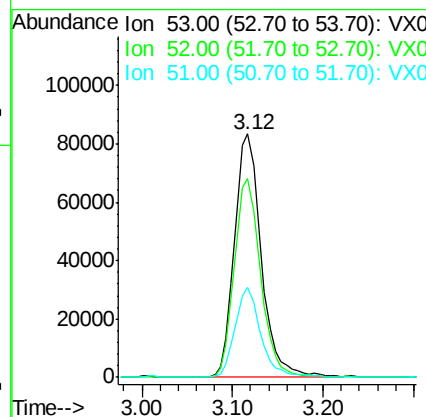
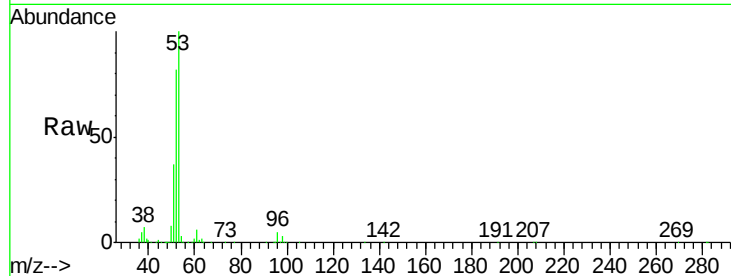
ClientSampleId :

VX0706WBSD01

Tot Ion:	53	Resp:	171966
Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.6	98.4
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 102.718 ug/l

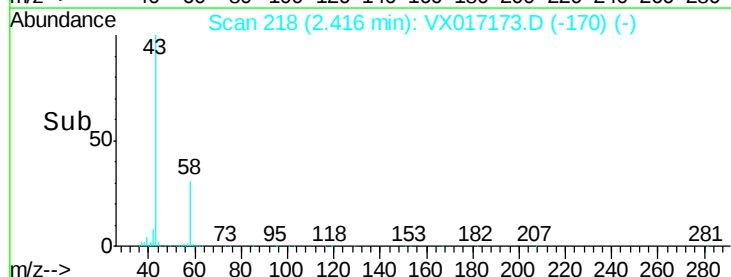
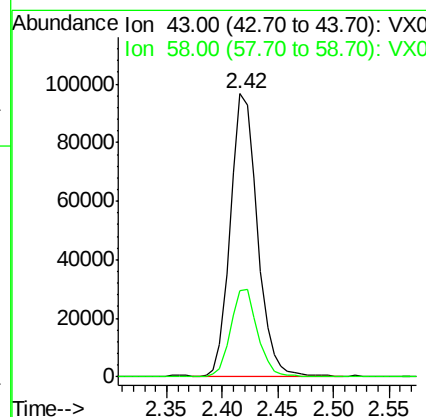
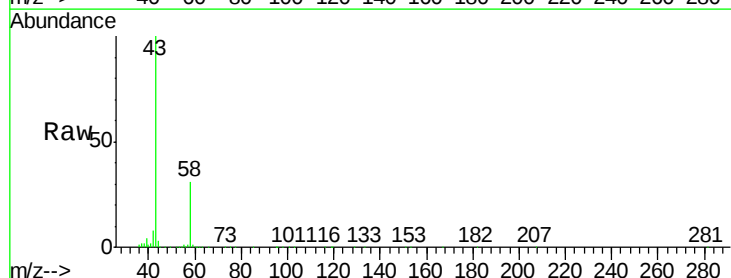
RT: 2.42 min Scan# 218

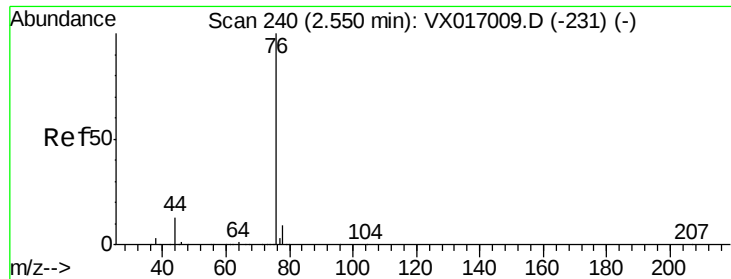
Delta R.T. -0.01 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Tgt Ion:	43	Resp:	160937
Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.7	38.5





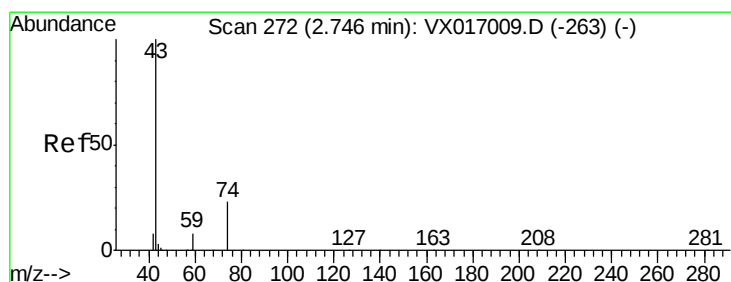
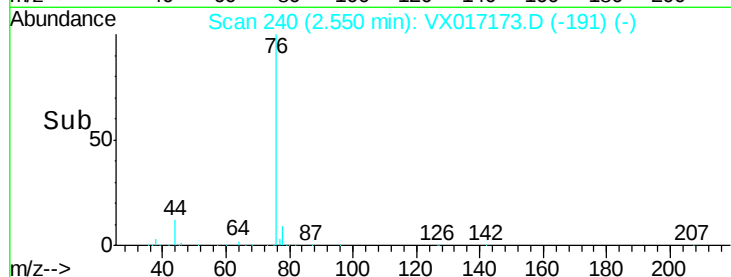
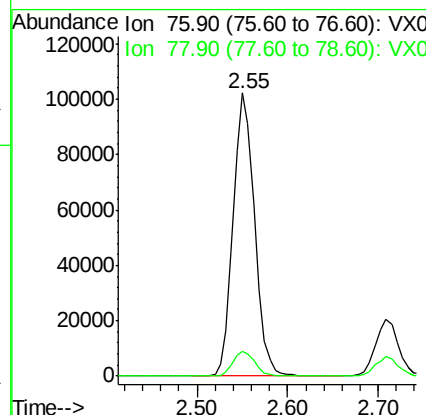
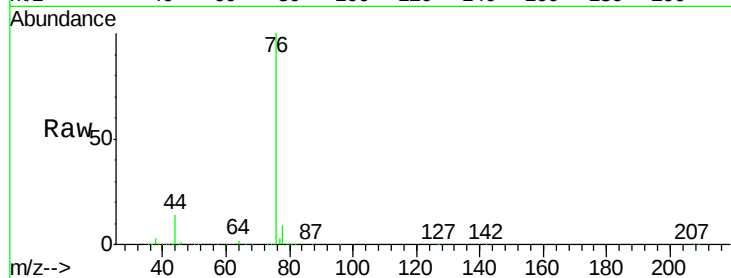
#17
Carbon Disulfide
Concen: 17.860 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

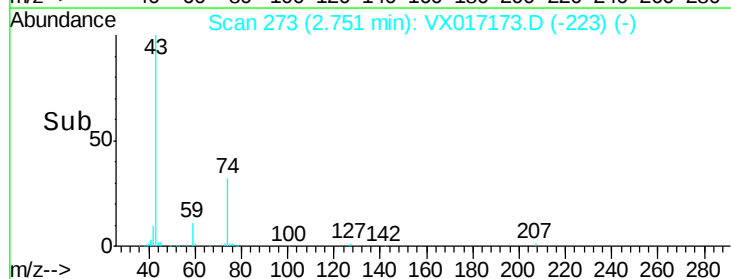
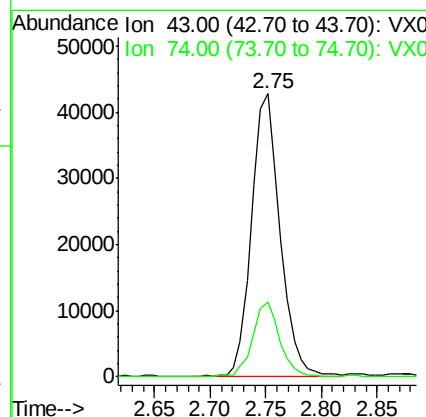
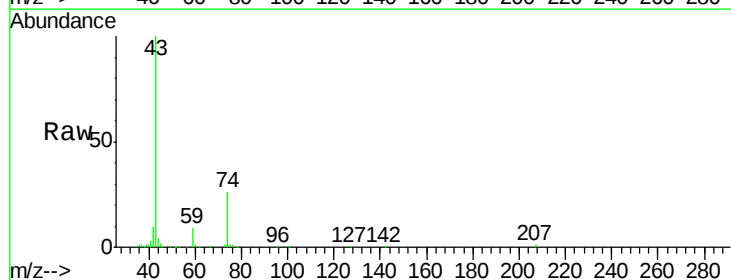
Manual Integrations
APPROVED

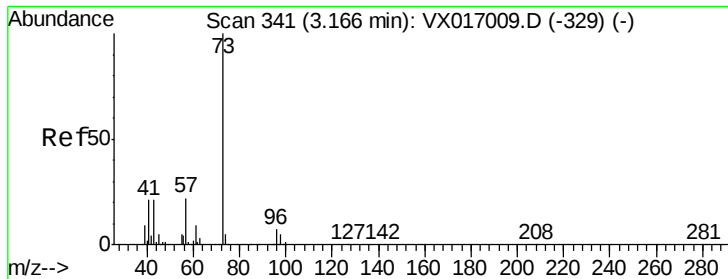
MMDadoda
7/7/2020 12:24:44 PM



#18
Methyl Acetate
Concen: 18.641 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.3	28.9





#19

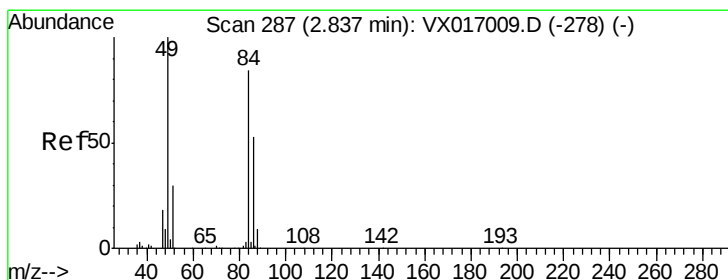
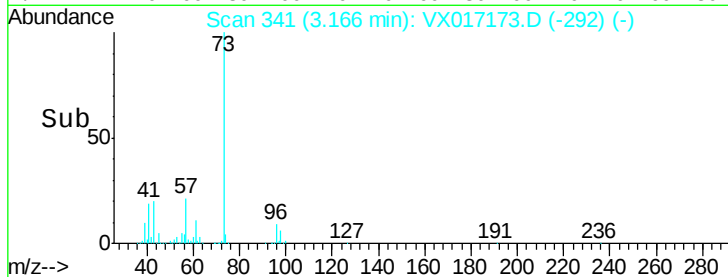
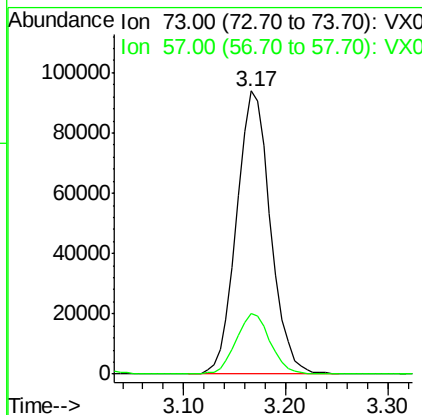
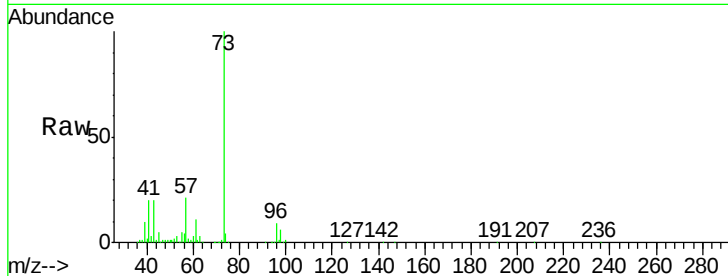
Methyl tert-butyl Ether
 Concen: 19.197 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.6	26.4

Manual Integrations
 APPROVED

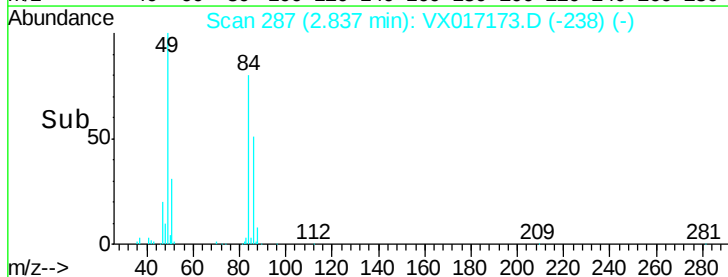
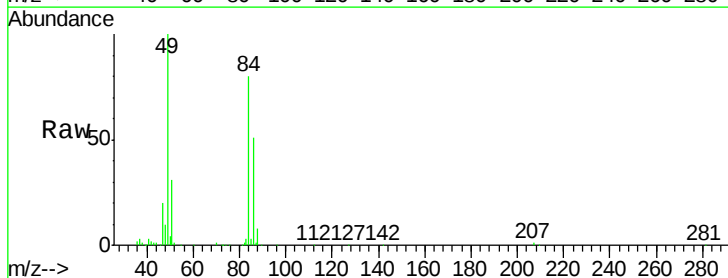
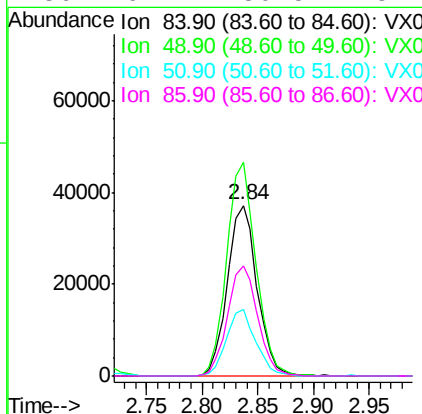
MMDadoda
 7/7/2020 12:24:44 PM

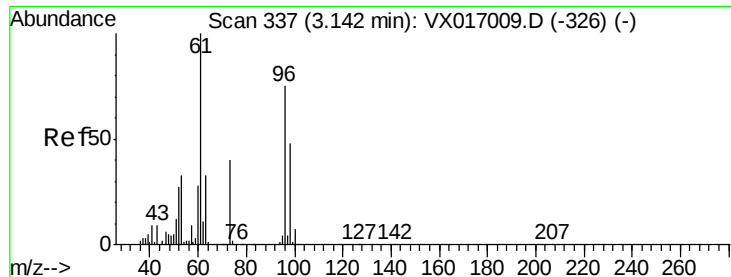


#20

Methylene Chloride
 Concen: 18.727 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	94.7	142.1
51	39.1	28.6	42.8
86	64.4	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 18.508 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

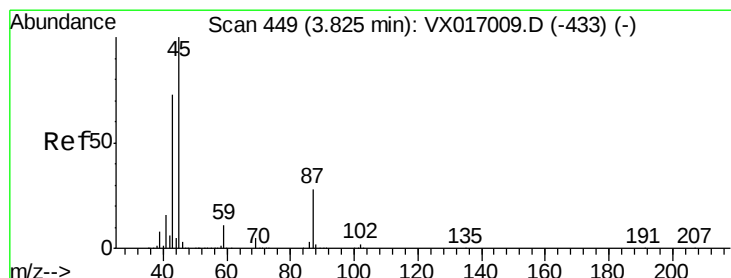
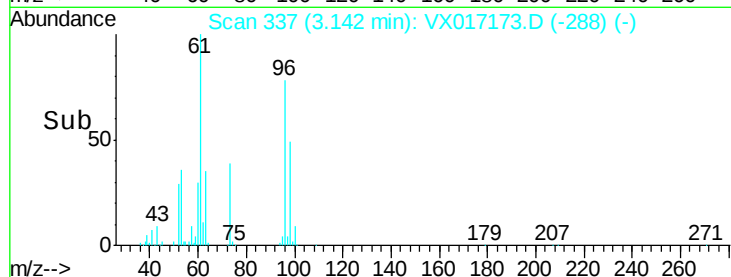
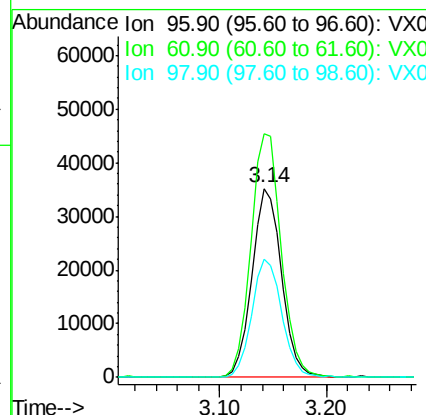
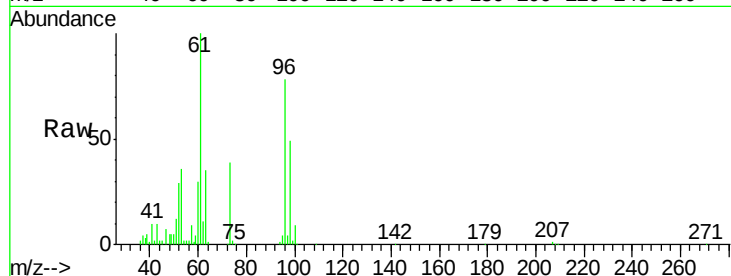
ClientSampleId :

VX0706WBSD01

Tot Ion:	96	Resp:	69037
Ion	Ratio	Lower	Upper
96	100		
61	129.0	107.0	160.6
98	62.8	51.6	77.4

Manual Integrations
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MMDadoda
7/7/2020 12:24:44 PM



#22

Diisopropyl ether

Concen: 18.888 ug/l

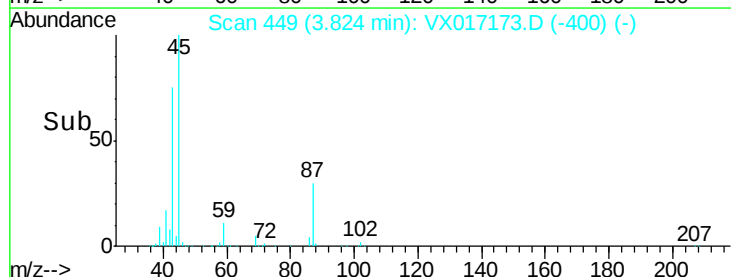
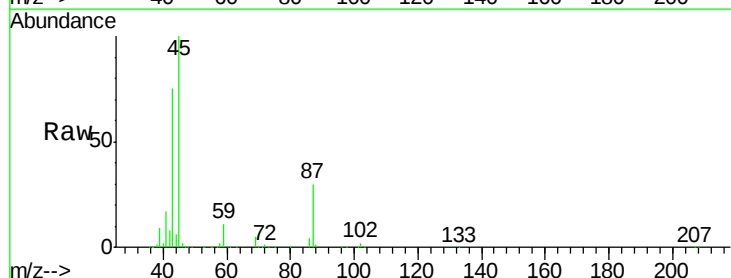
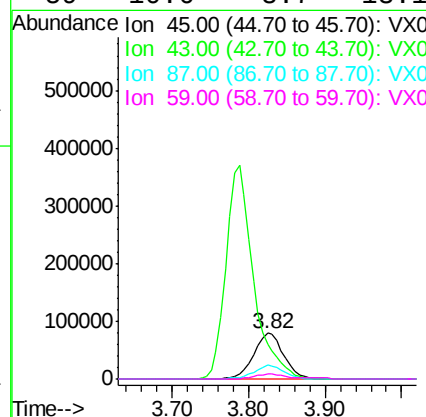
RT: 3.82 min Scan# 449

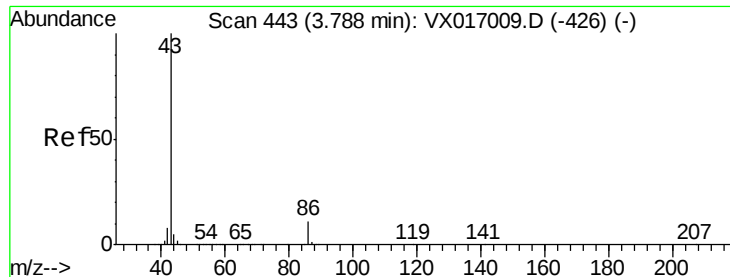
Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Tgt Ion:	45	Resp:	217151
Ion	Ratio	Lower	Upper
45	100		
43	74.9	58.6	88.0
87	29.7	22.6	34.0
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 93.673 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 43 Resp: 925428

Ion Ratio Lower Upper

43 100

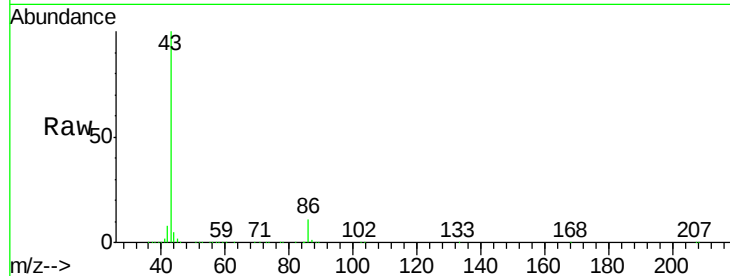
86 10.8 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

7/7/2020 12:24:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

400000

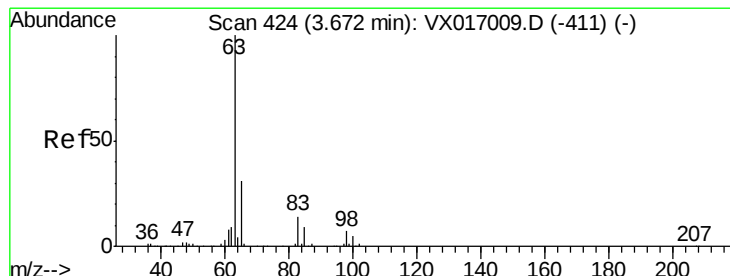
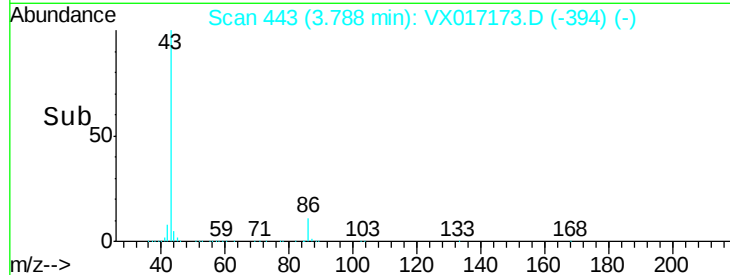
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.528 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

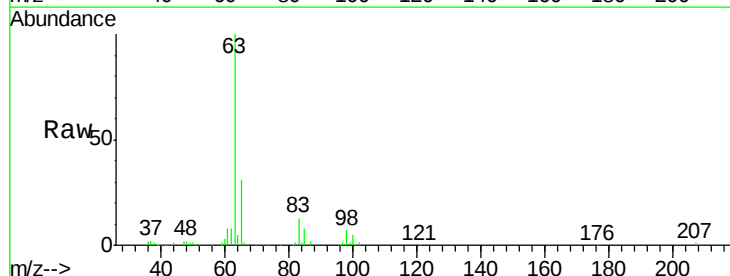
Tgt Ion: 63 Resp: 121204

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.67

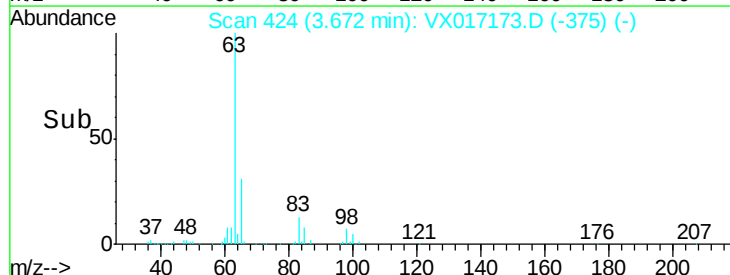
60000

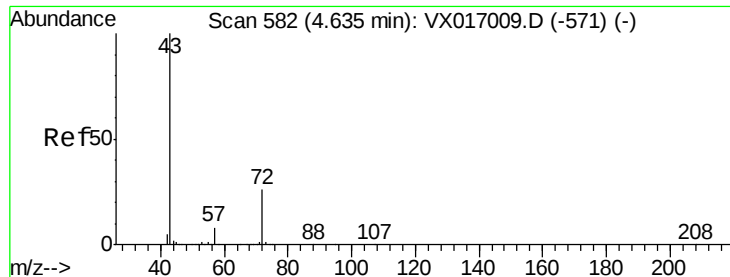
40000

20000

0

Time-->





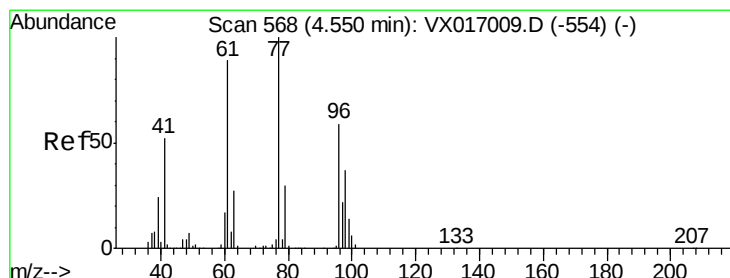
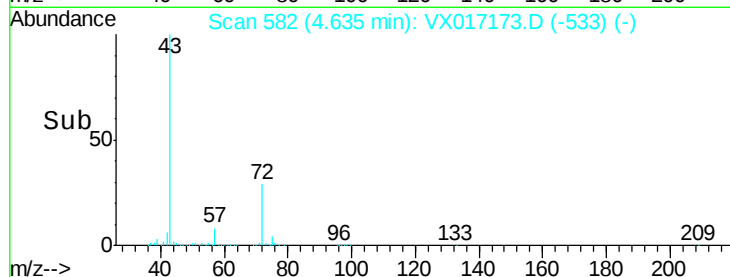
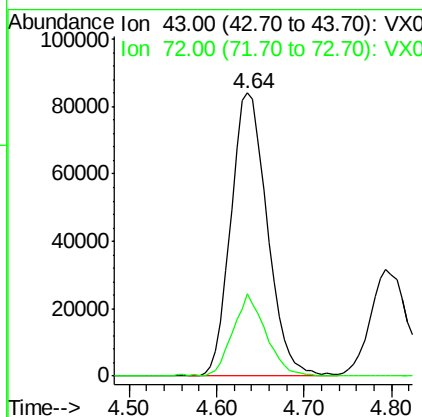
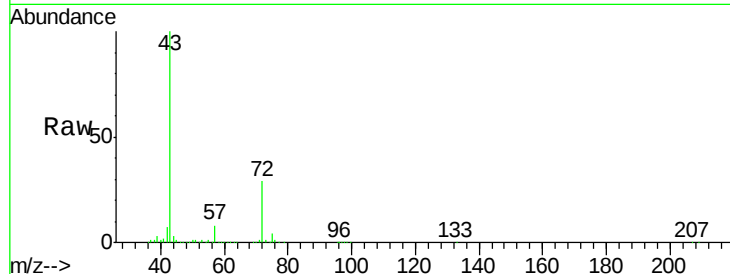
#25
2-Butanone
Concen: 92.839 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion: 43 Resp: 242371
Ion Ratio Lower Upper
43 100
72 28.9 20.8 31.2

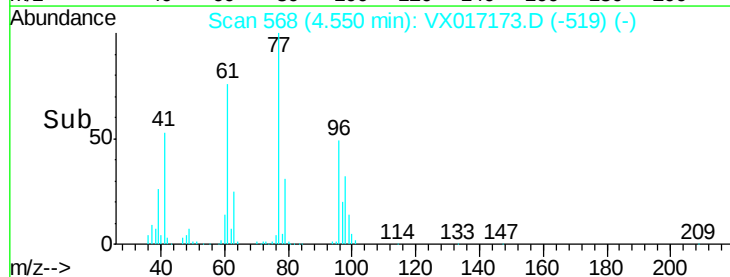
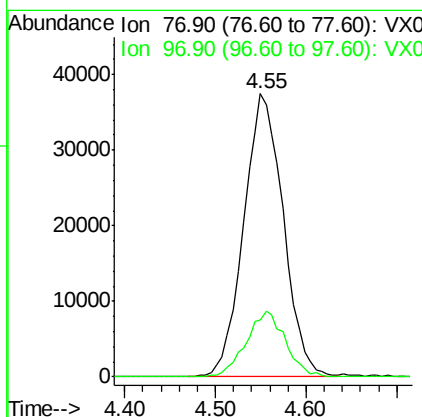
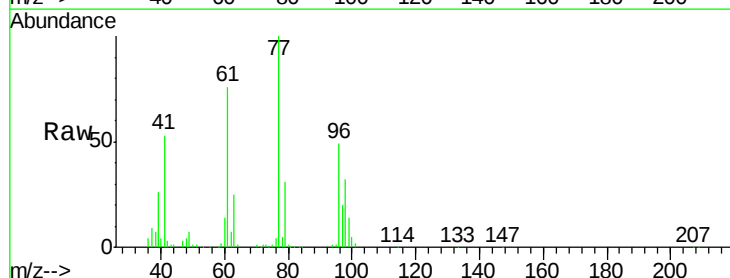
Manual Integrations
APPROVED

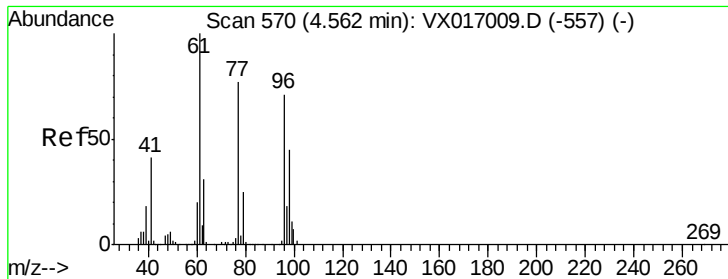
MMDadoda
7/7/2020 12:24:44 PM



#26
2,2-Dichloropropane
Concen: 19.428 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion: 77 Resp: 112848
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2





#27

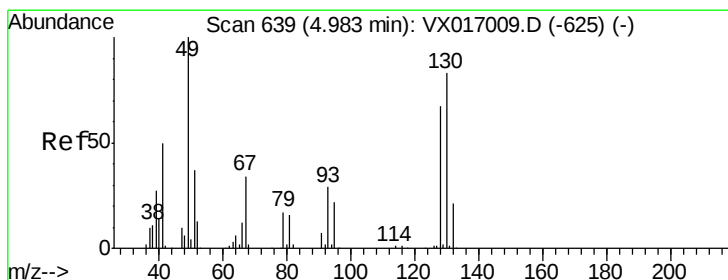
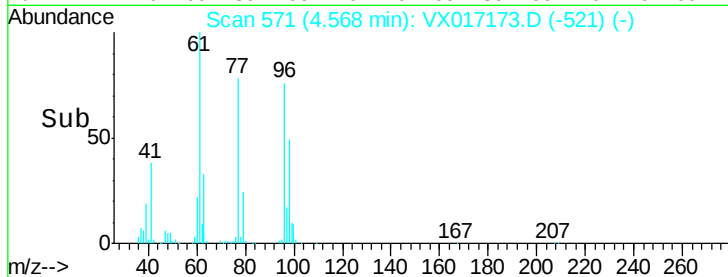
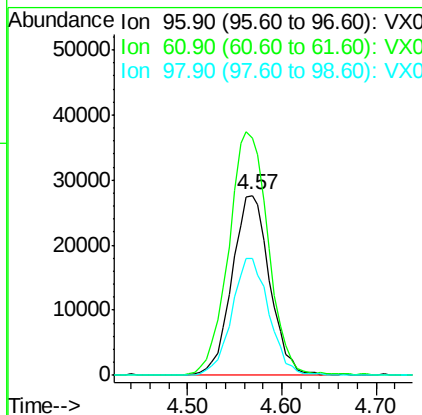
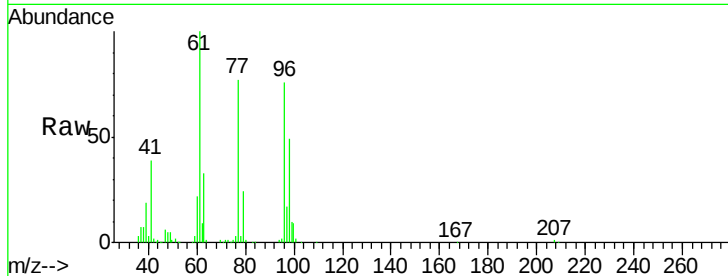
cis-1,2-Dichloroethene
Concen: 18.230 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleID :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	282.8
98	64.4	0.0	127.6

Manual Integrations
APPROVED

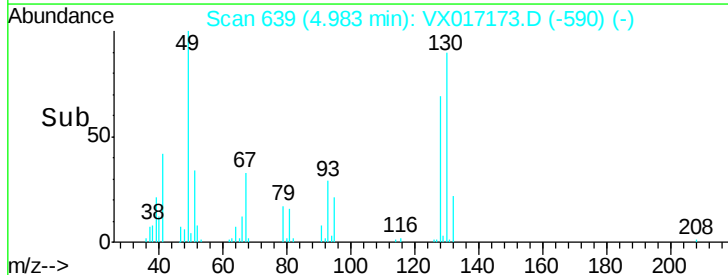
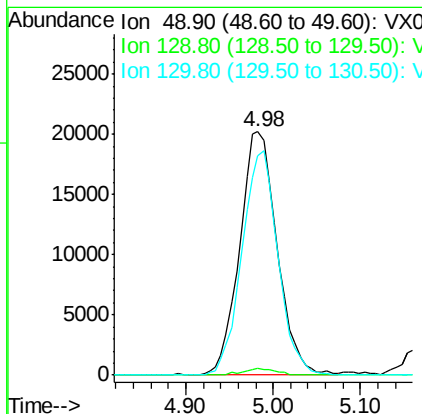
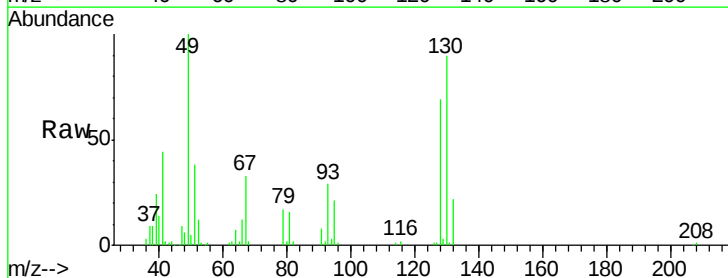
MMDadoda
7/7/2020 12:24:44 PM

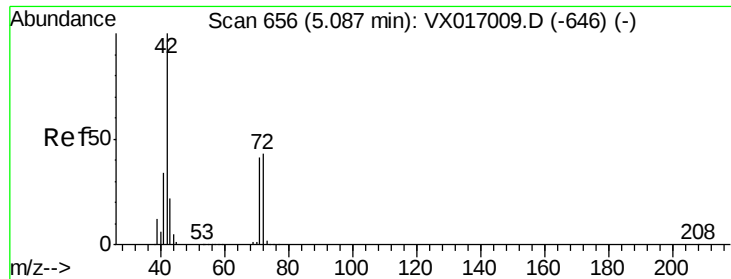


#28

Bromochloromethane
Concen: 18.881 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	88.7	66.6	100.0





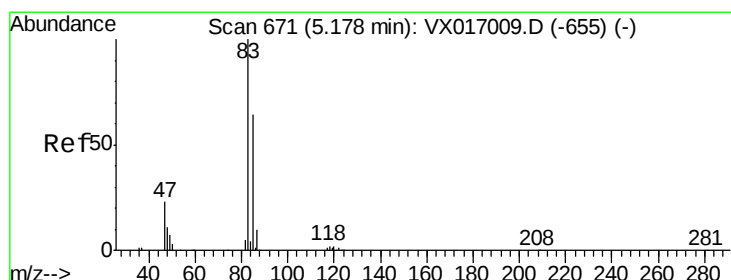
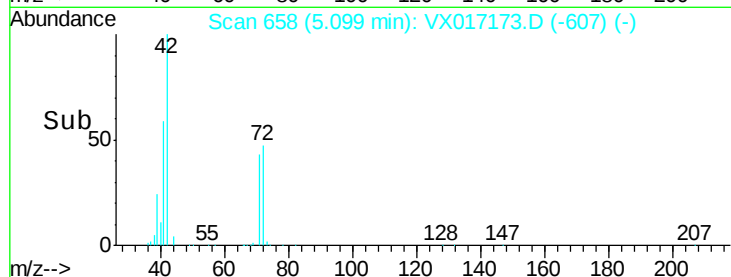
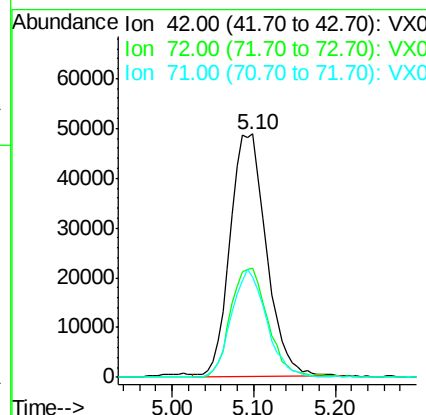
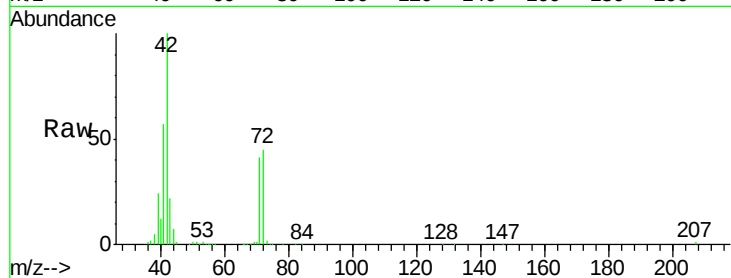
#29
Tetrahydrofuran
Concen: 86.723 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.3	52.9
71	42.8	33.1	49.7

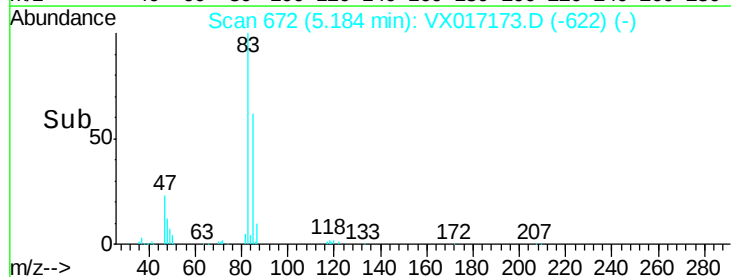
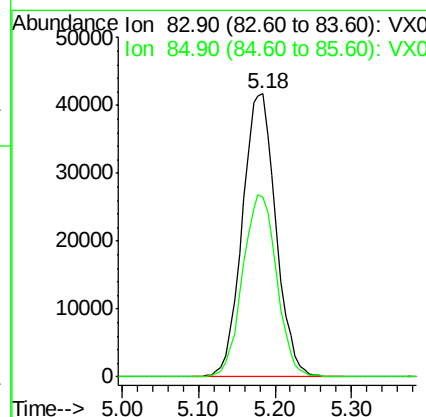
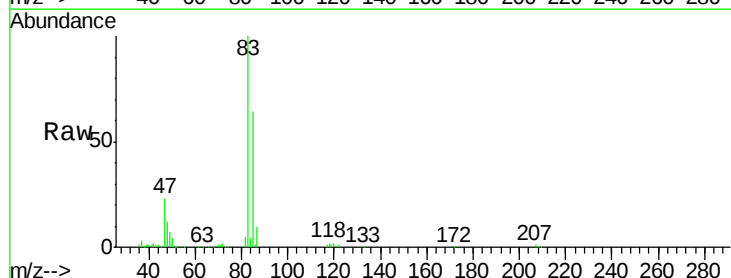
Manual Integrations
APPROVED

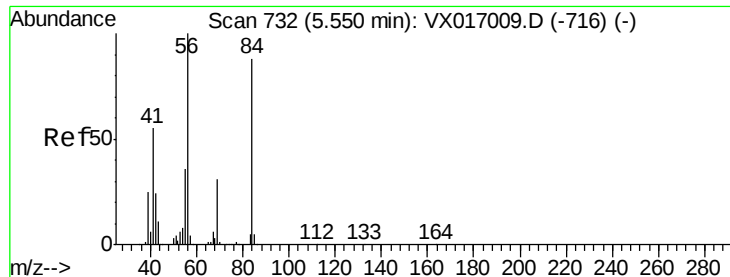
MMDadoda
7/7/2020 12:24:44 PM



#30
Chloroform
Concen: 18.940 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.2





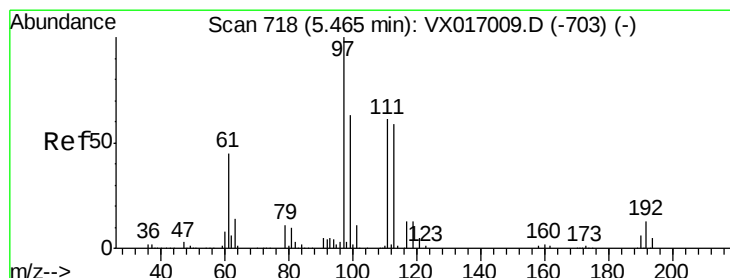
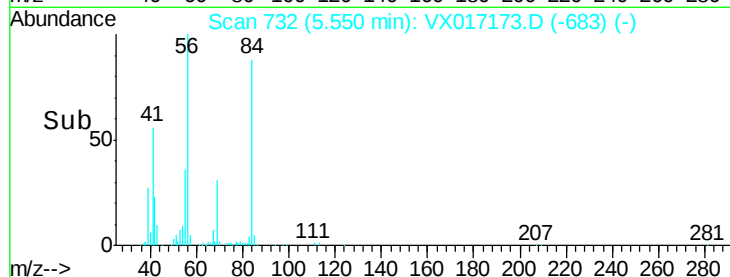
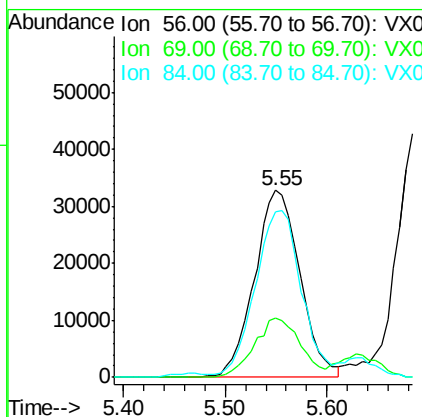
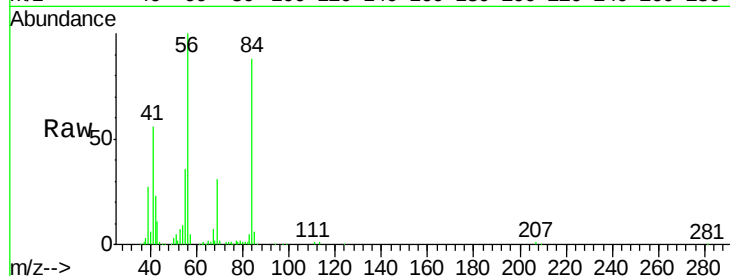
#31
Cyclohexane
Concen: 17.988 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.2	25.0	37.4	
84	86.4	69.1	103.7	

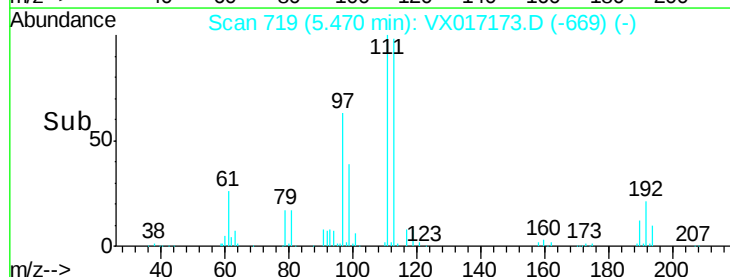
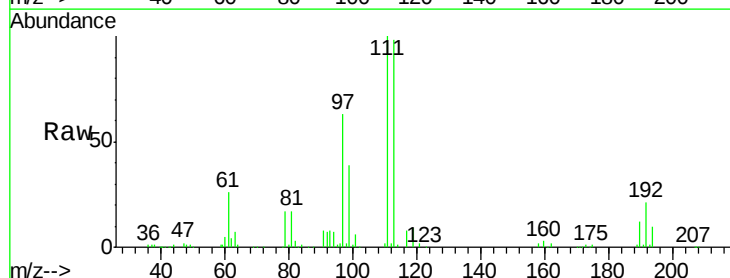
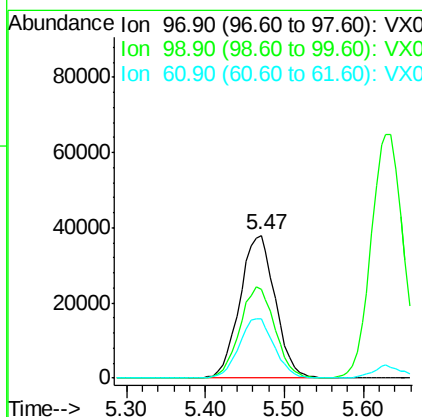
Manual Integrations
APPROVED

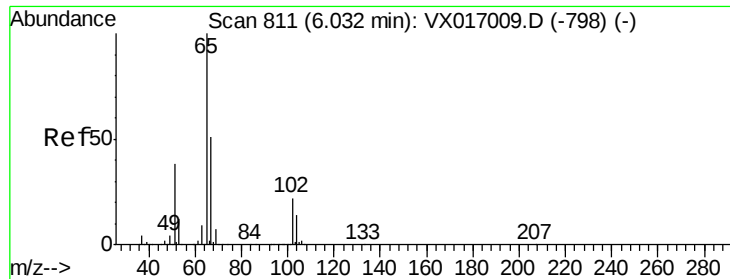
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#32
1,1,1-Trichloroethane
Concen: 19.108 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.4	50.8	76.2	
61	41.6	33.7	50.5	





#33

1,2-Dichloroethane-d4

Concen: 49.753 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 65 Resp: 208378

Ion Ratio Lower Upper

65 100

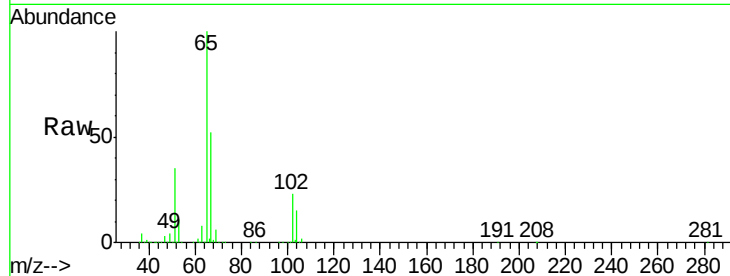
67 51.4 0.0 103.8

Manual Integrations

APPROVED

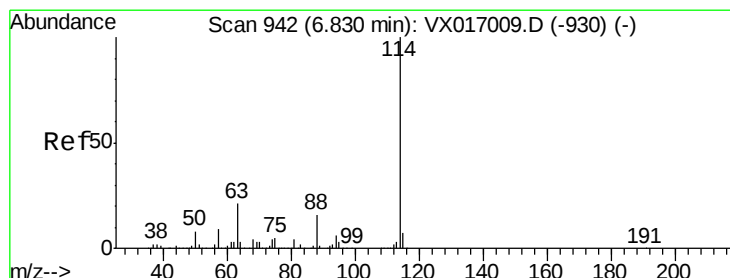
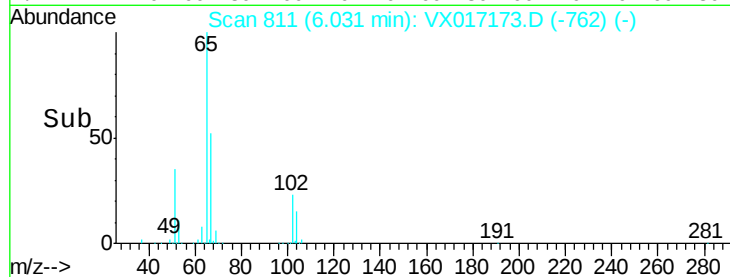
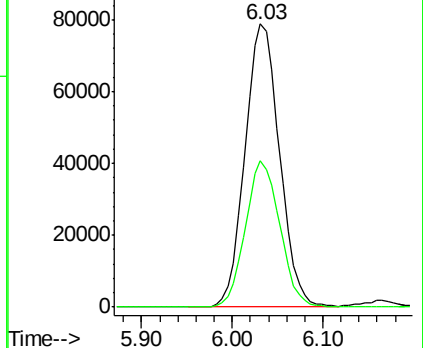
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

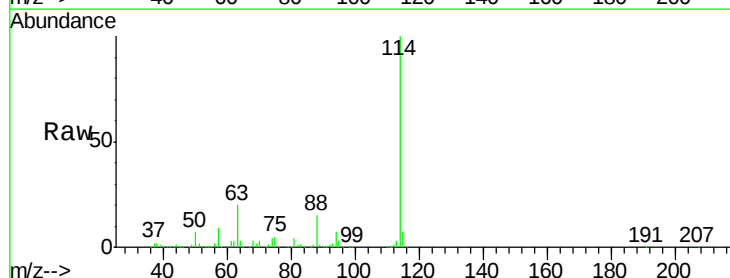
Tgt Ion: 114 Resp: 512803

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

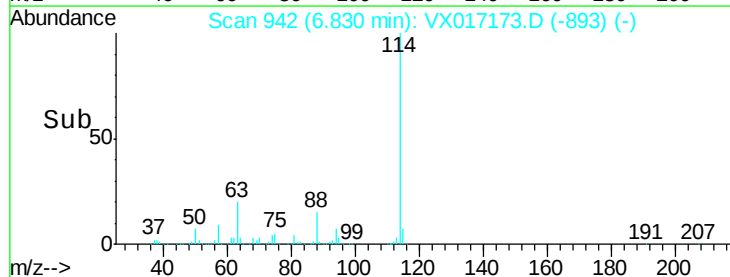
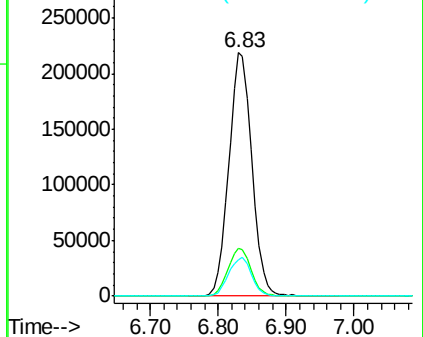
88 15.0 0.0 32.4

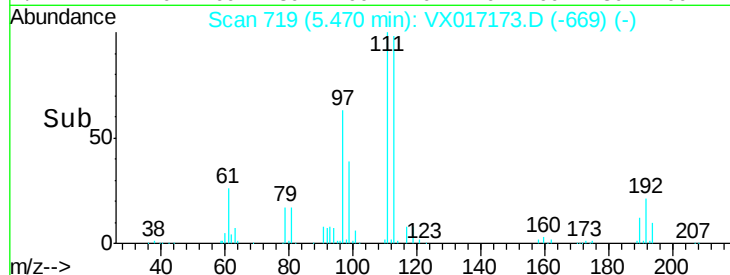
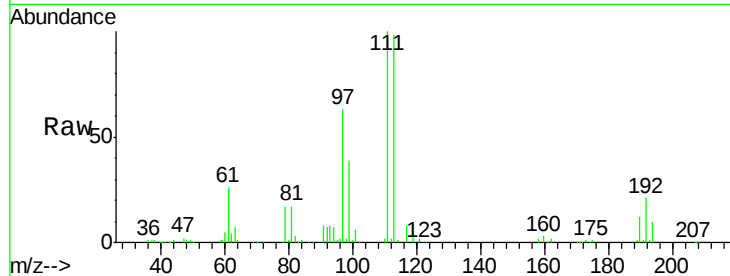
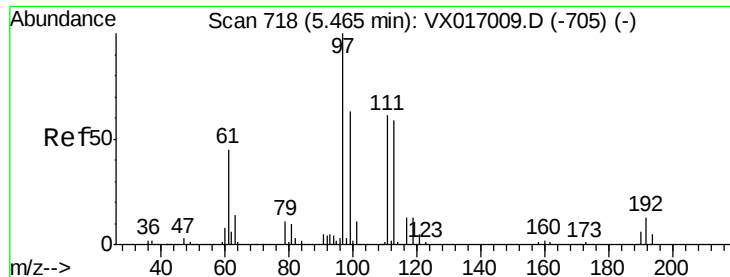


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





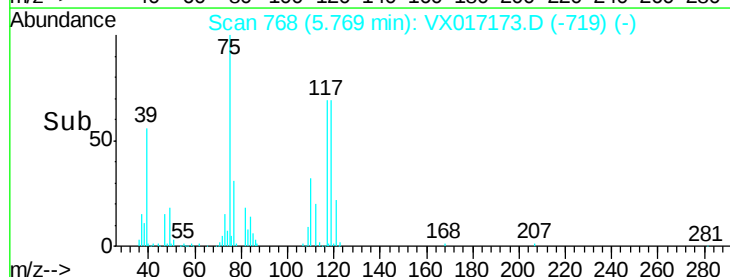
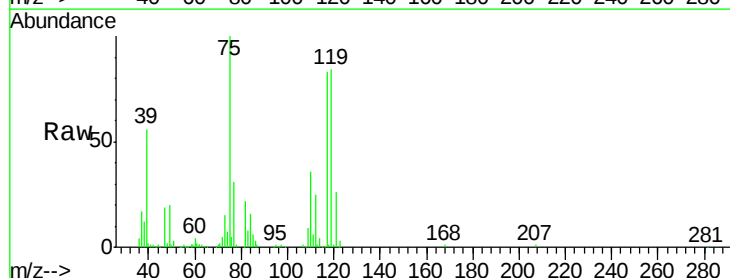
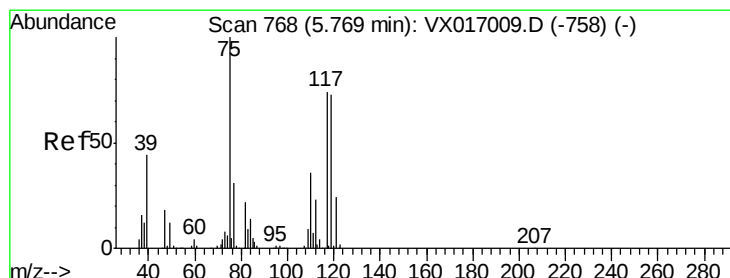
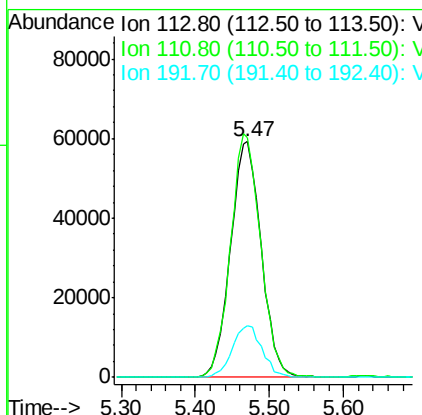
#35
Dibromofluoromethane
Concen: 52.697 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170940		
111	101.5	81.9	122.9	
192	21.5	16.7	25.1	

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

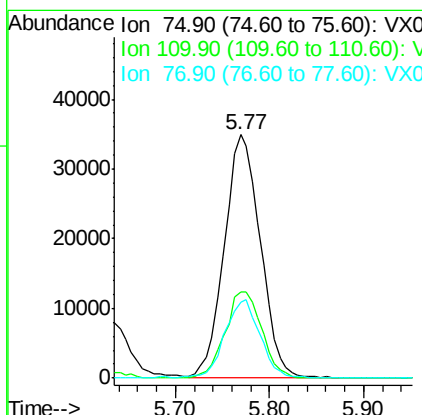
Manual Integrations
APPROVED

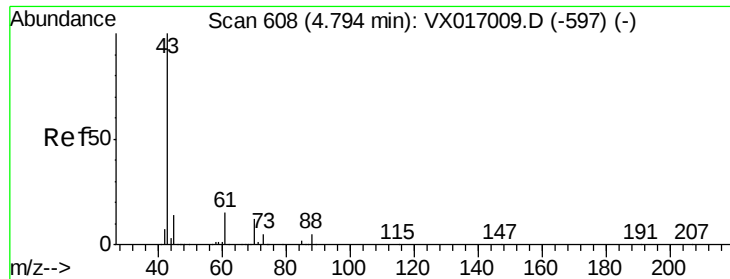
MMDadoda
7/7/2020 12:24:44 PM



#36
1,1-Dichloropropene
Concen: 19.143 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92777		
110	36.4	18.1	54.1	
77	31.8	24.6	37.0	





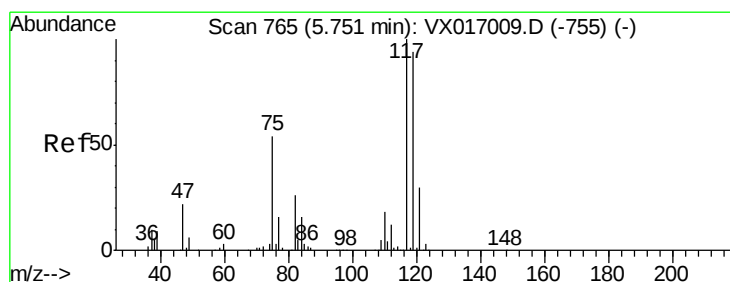
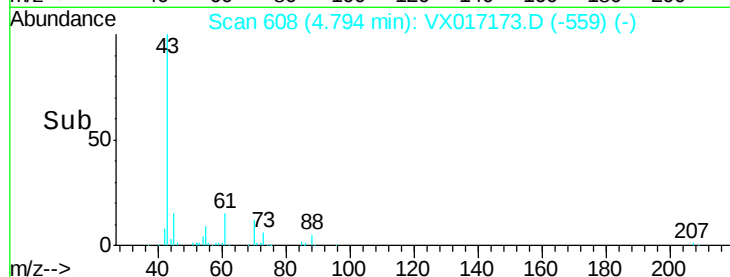
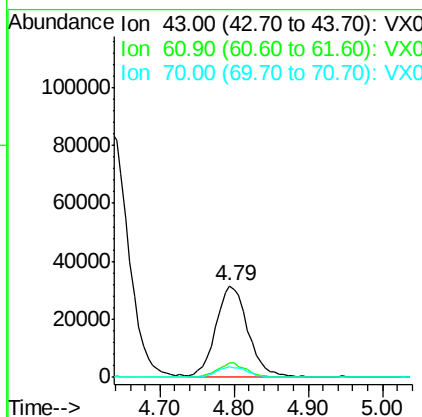
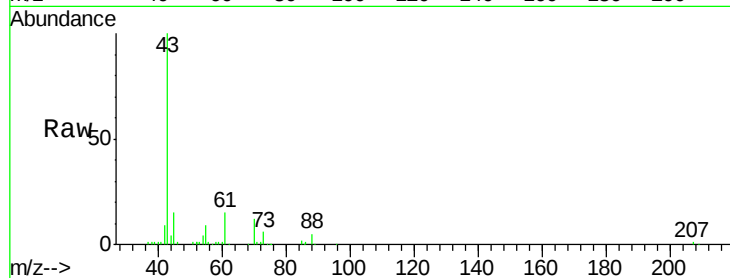
#37
Ethyl Acetate
Concen: 19.123 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	11.1	8.9	13.3

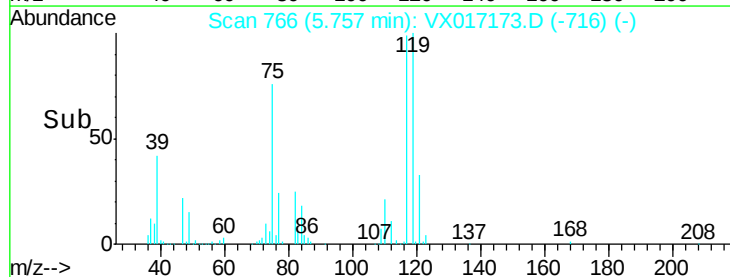
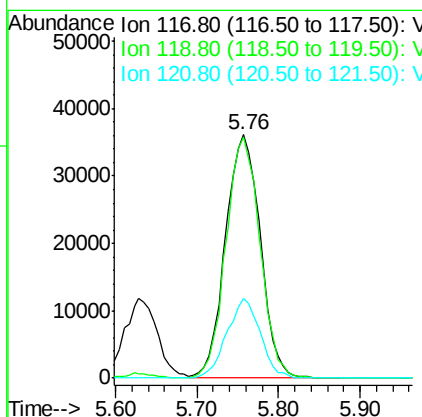
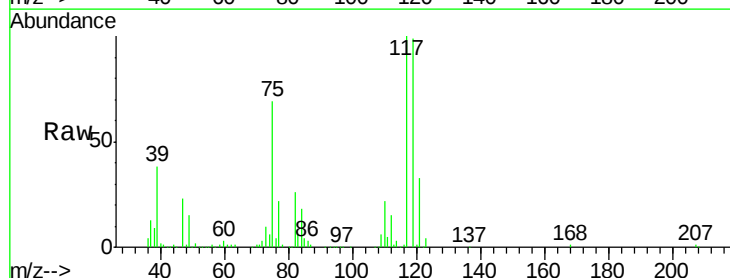
Manual Integrations
APPROVED

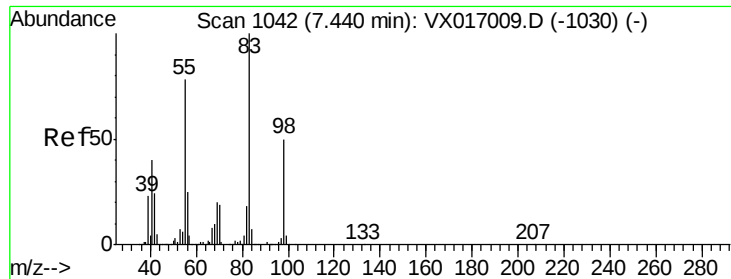
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7/7/2020 12:24:44 PM



#38
Carbon Tetrachloride
Concen: 20.002 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.4	113.0
121	33.0	23.8	35.6





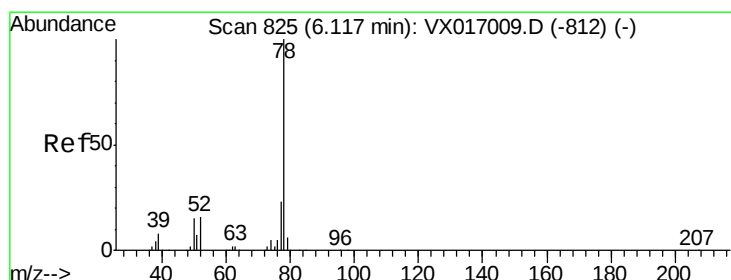
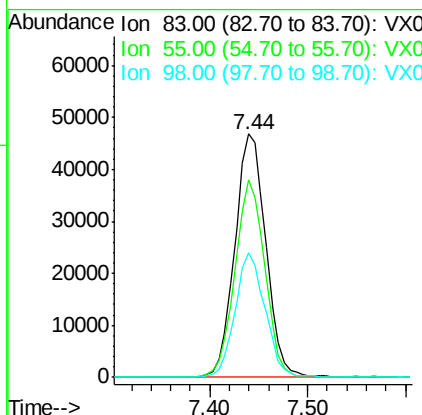
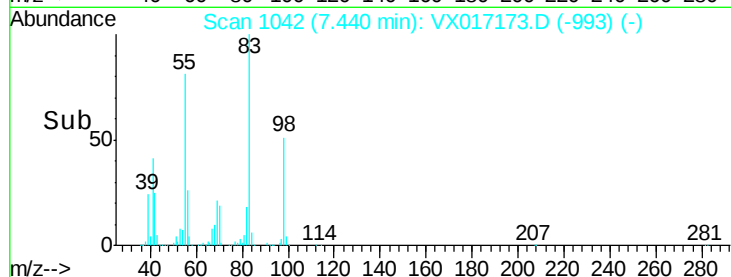
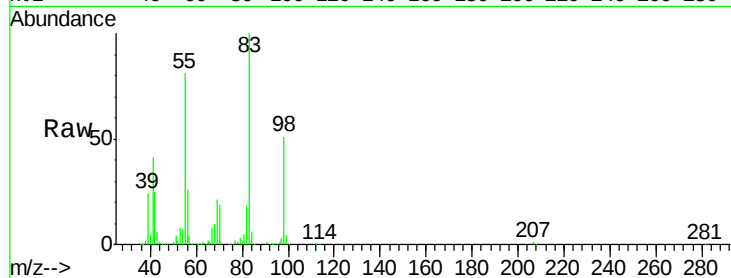
#39
Methvlcvclohexane
Concen: 19.111 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	62.5	93.7
98	51.0	40.1	60.1

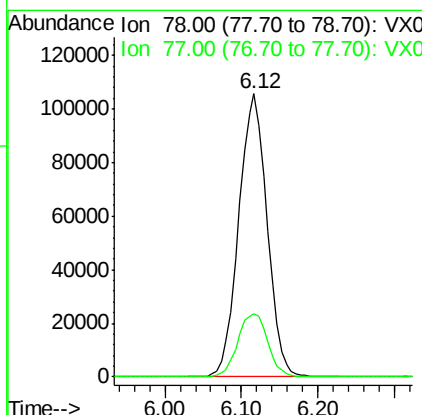
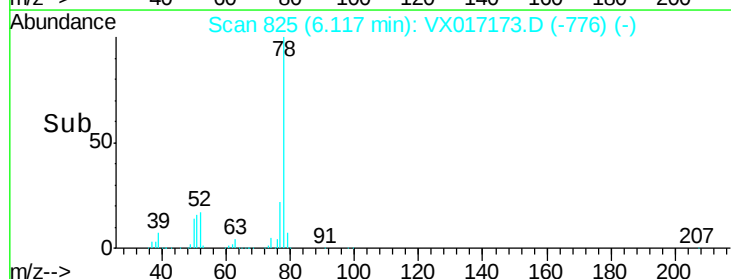
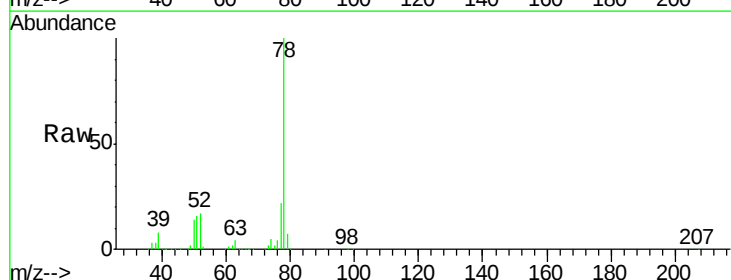
Manual Integrations
APPROVED

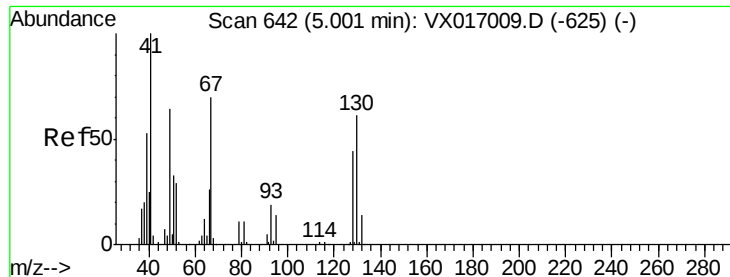
MMDadoda
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#40
Benzene
Concen: 19.076 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.3	27.5





#41

Methacrylonitrile

Concen: 18.774 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 41 Resp: 51961

Ion Ratio Lower Upper

41 100

39 55.4 44.4 66.6

67 71.7 57.1 85.7

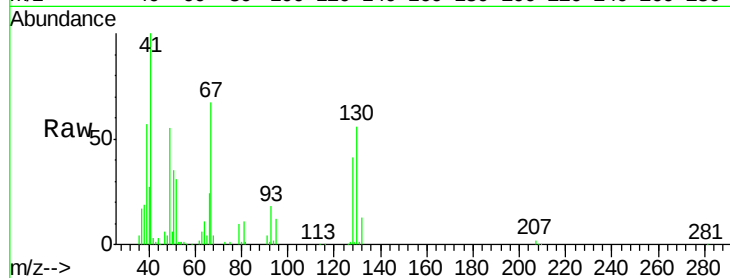
52 31.4 23.2 34.8

Manual Integrations

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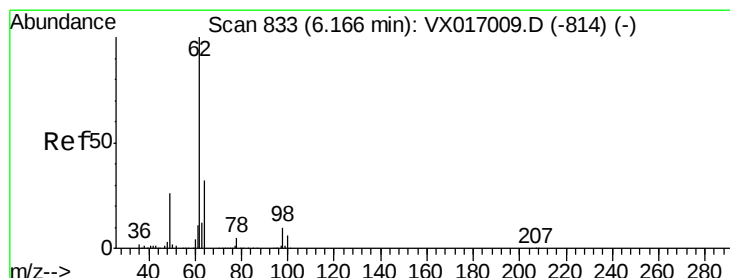
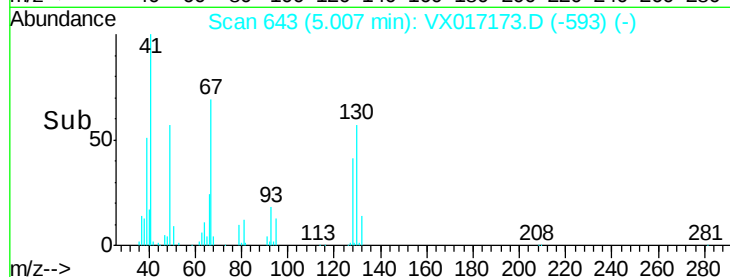
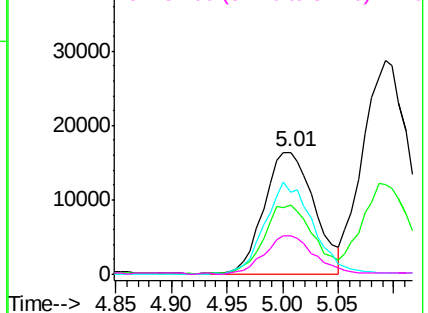


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.797 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017173.D

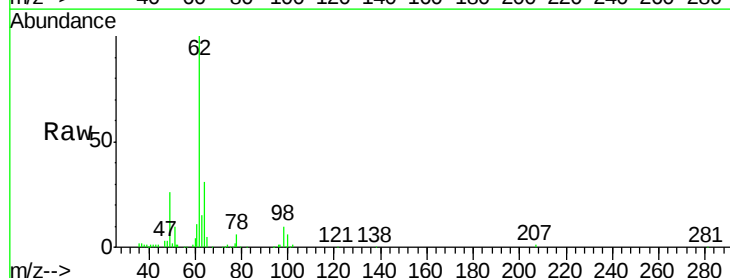
Acq: 06 Jul 2020 17:10

Tgt Ion: 62 Resp: 101828

Ion Ratio Lower Upper

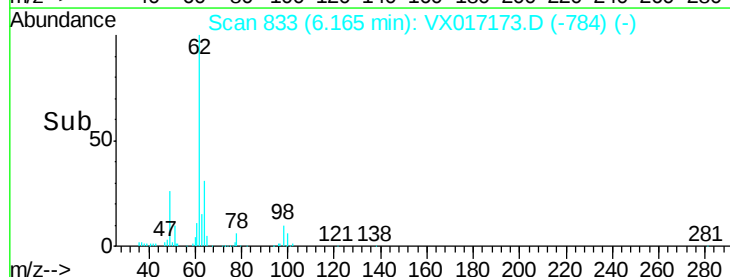
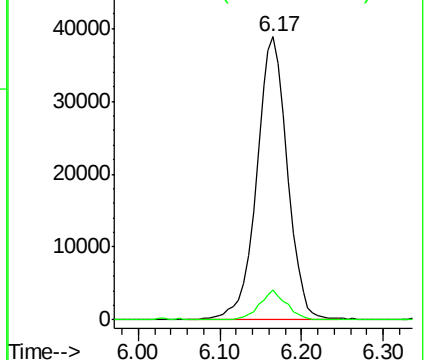
62 100

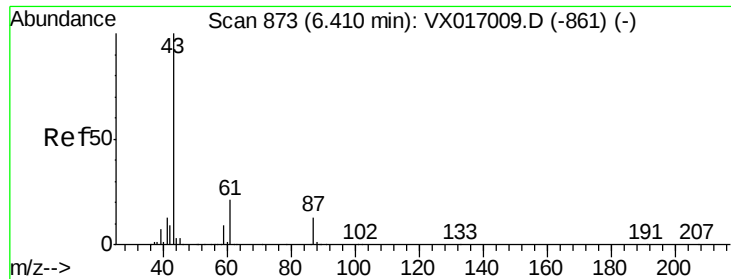
98 9.3 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

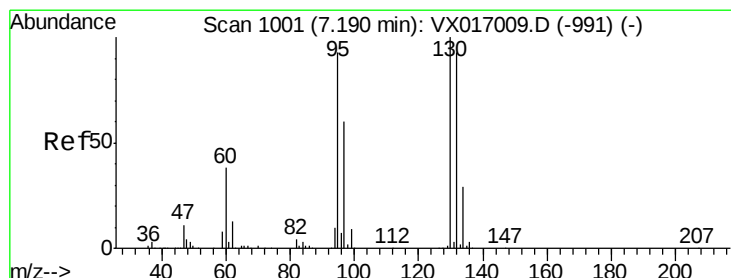
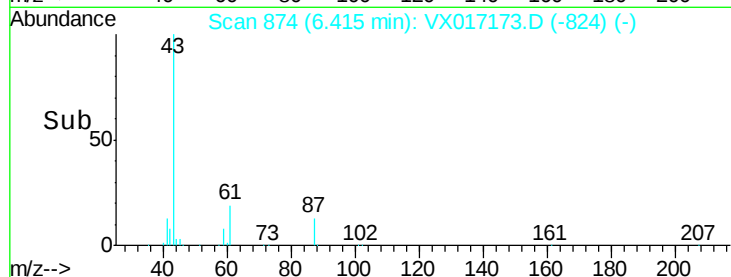
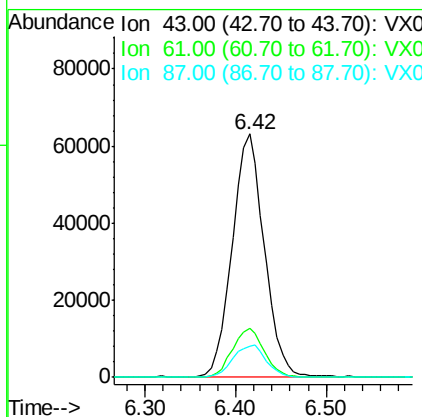
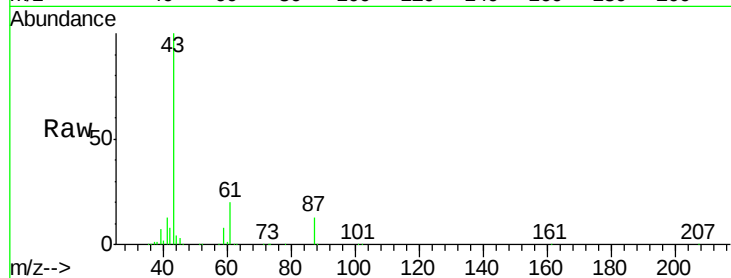
Isopropyl Acetate
 Concen: 18.914 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.2	24.2
87	13.8	10.7	16.1

Manual Integrations
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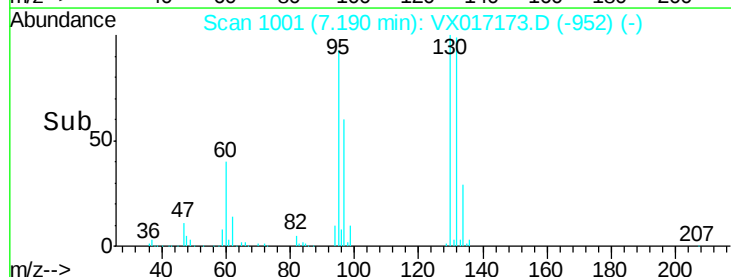
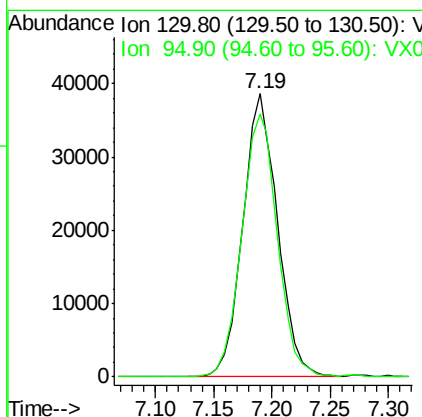
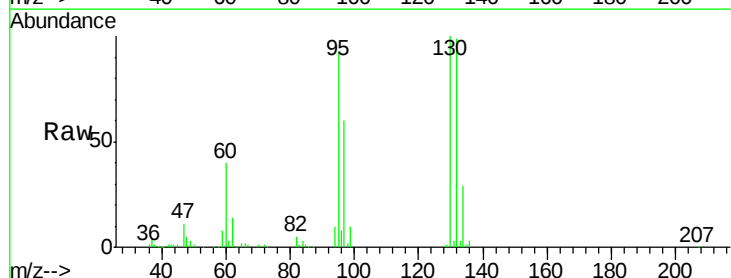
MMDadoda
 7/7/2020 12:24:44 PM



#44

Trichloroethene
 Concen: 20.226 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.0





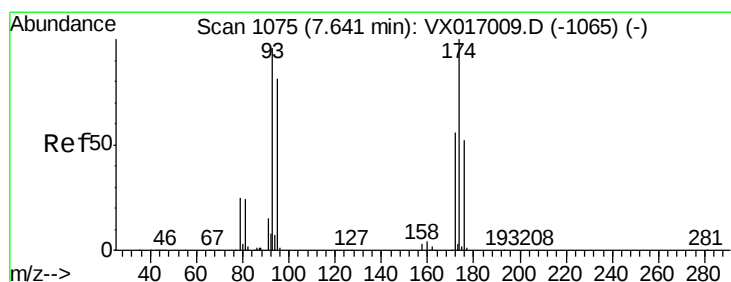
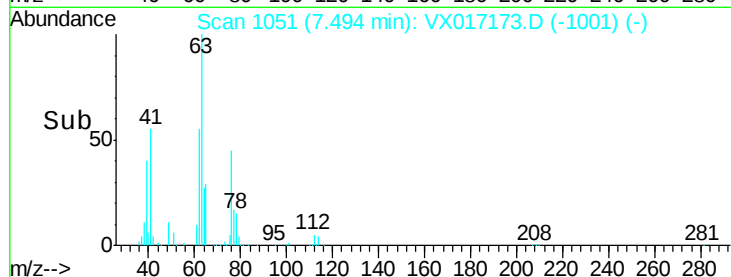
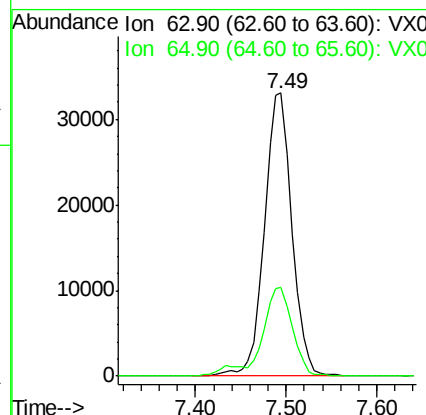
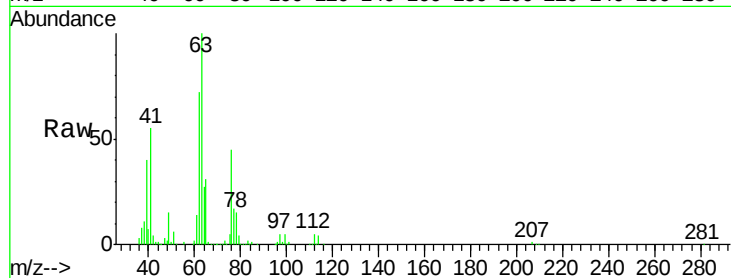
#45
 1,2-Dichloropropane
 Concen: 18.920 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampled :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

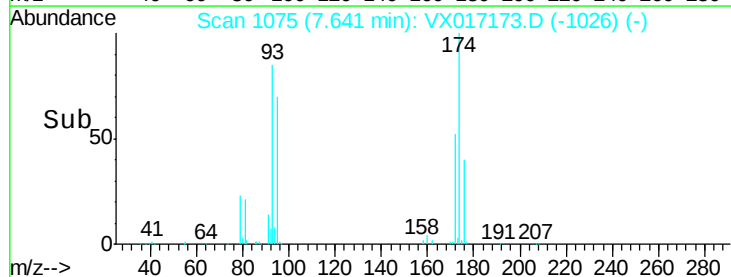
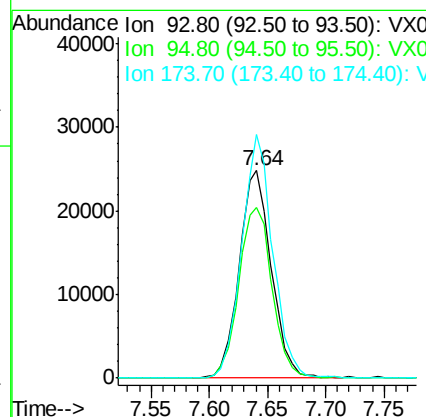
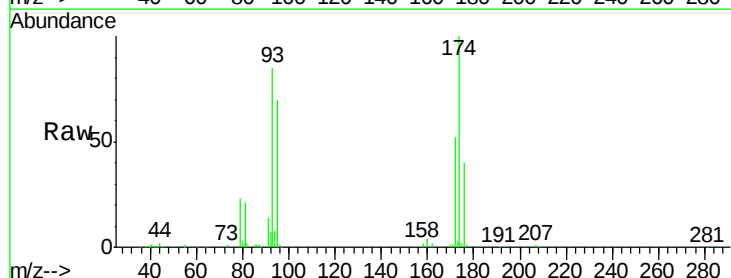
Manual Integrations
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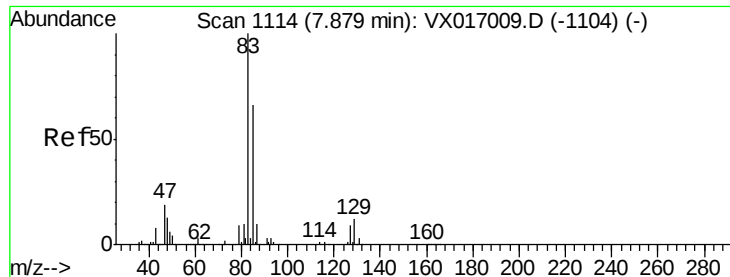
MMDadoda
 7/7/2020 12:24:44 PM



#46
 Dibromomethane
 Concen: 19.092 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.4	67.4	101.0
174	113.7	84.3	126.5





#47

Bromodichloromethane

Concen: 19.615 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

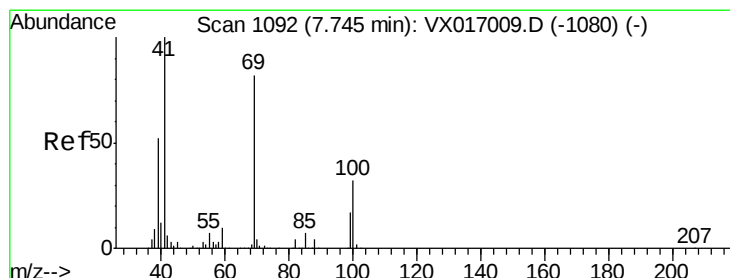
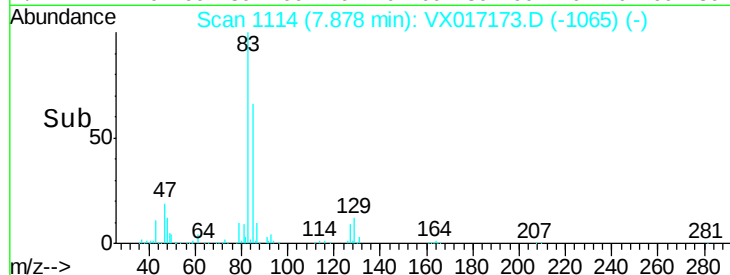
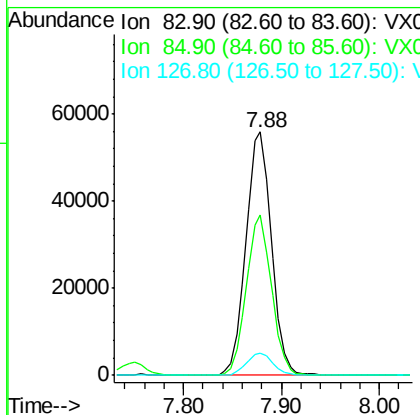
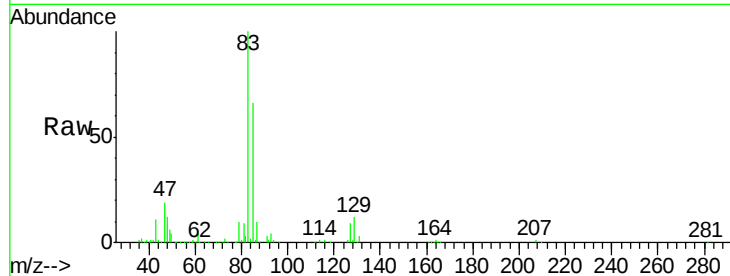
ClientSampled :

VX0706WBSD01

Tot Ion:	83	Resp:	100935
Ion Ratio	Lower	Upper	
83	100		
85	65.7	53.0	79.4
127	9.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.191 ug/l

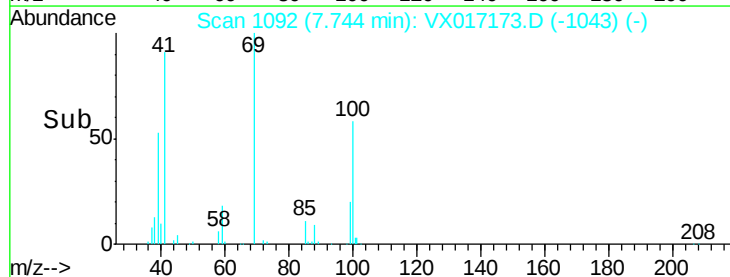
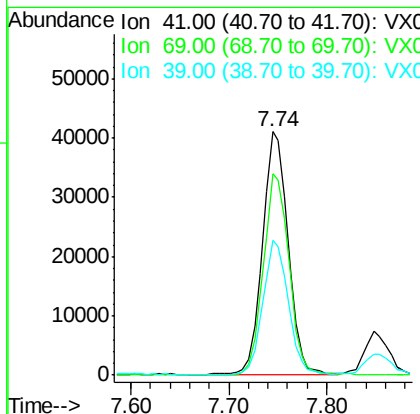
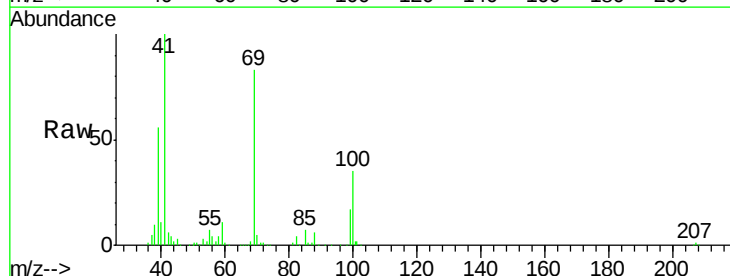
RT: 7.74 min Scan# 1092

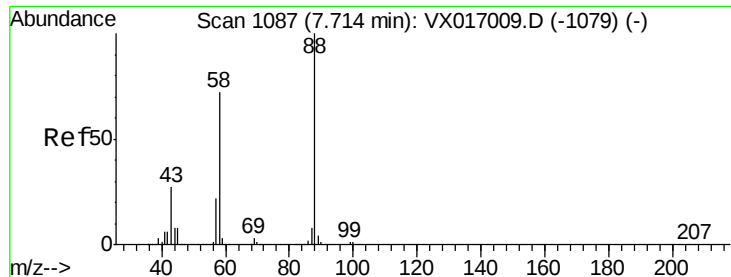
Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Tgt Ion:	41	Resp:	74503
Ion Ratio	Lower	Upper	
41	100		
69	83.7	65.8	98.8
39	55.0	42.5	63.7





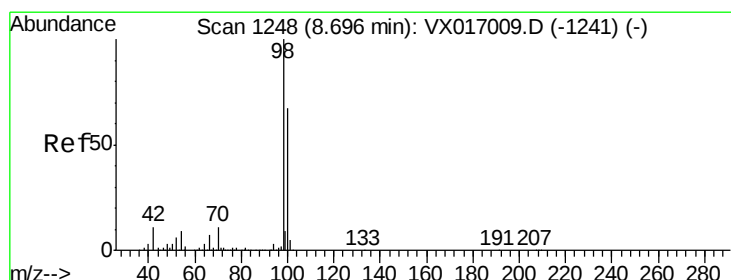
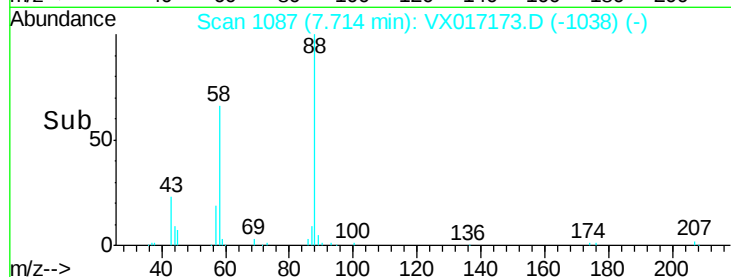
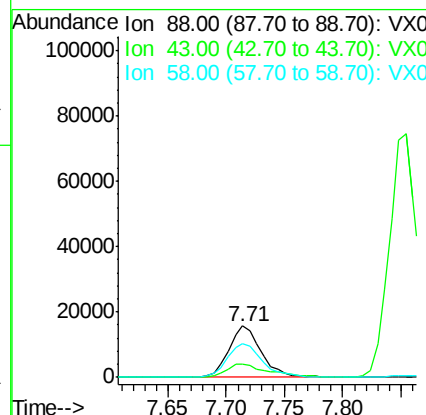
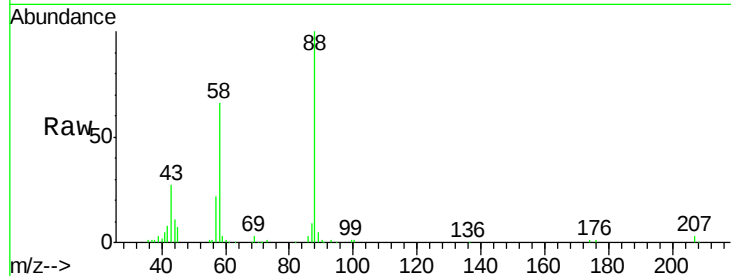
#49
1,4-Dioxane
Concen: 345.791 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	25.8	38.8
58	72.1	54.8	82.2

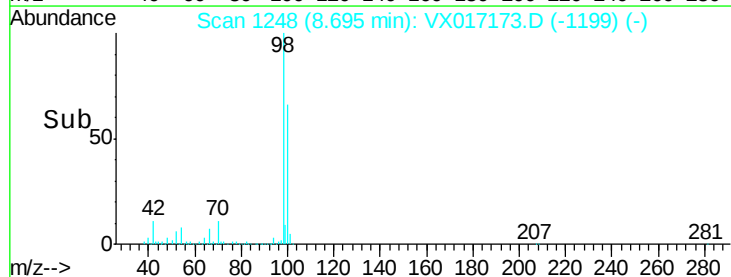
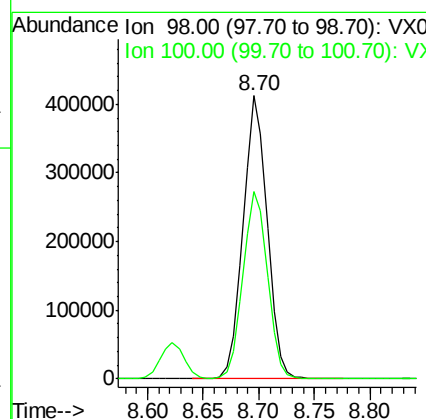
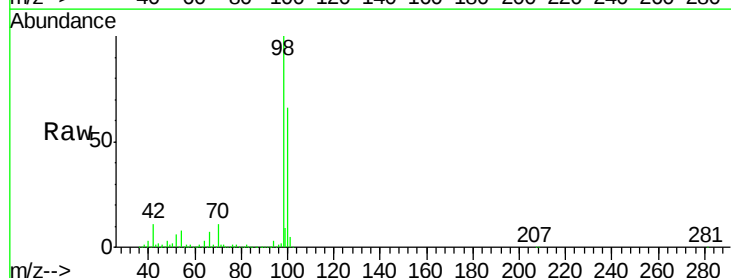
Manual Integrations
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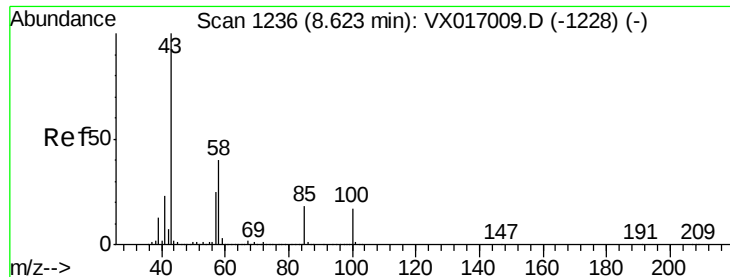
MMDadoda
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#50
Toluene-d8
Concen: 51.558 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 97.030 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampled :

VX0706WBSD01

Tot Ion: 43 Resp: 472626

Ion Ratio Lower Upper

43 100

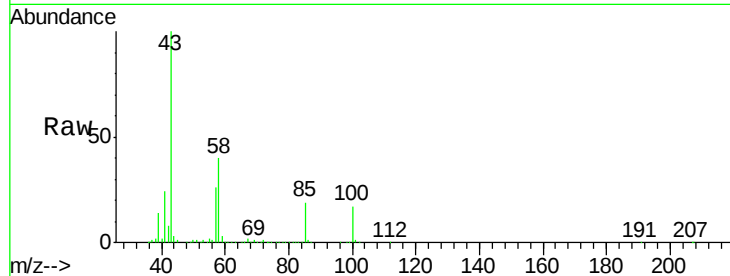
58 39.8 31.9 47.9

Manual Integrations

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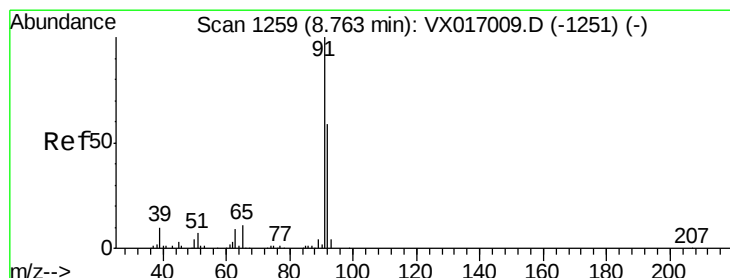
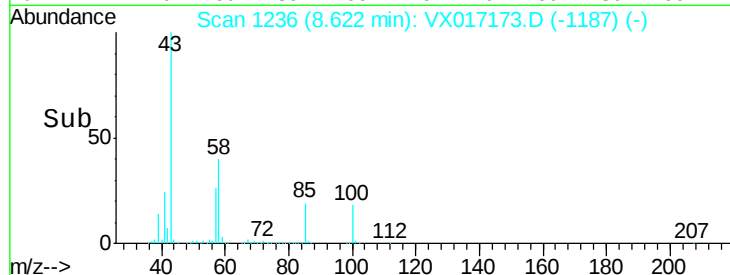
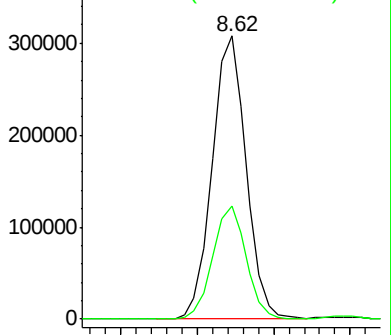
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.737 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017173.D

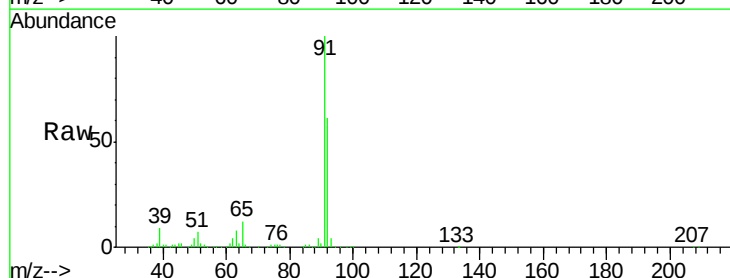
Acq: 06 Jul 2020 17:10

Tgt Ion: 92 Resp: 175476

Ion Ratio Lower Upper

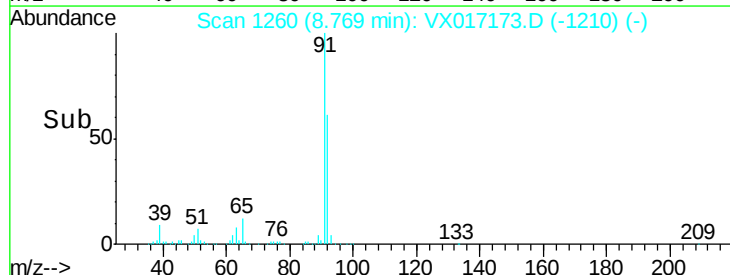
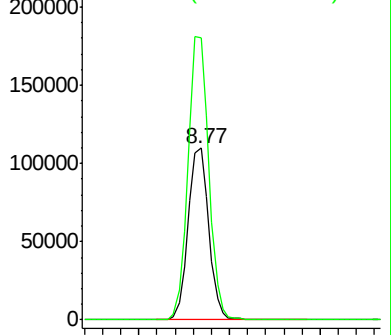
92 100

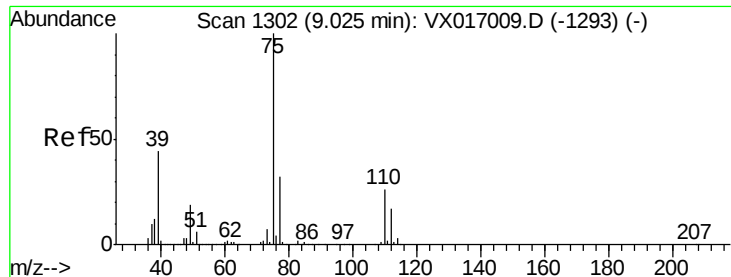
91 165.5 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.637 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 75 Resp: 111493

Ion Ratio Lower Upper

75 100

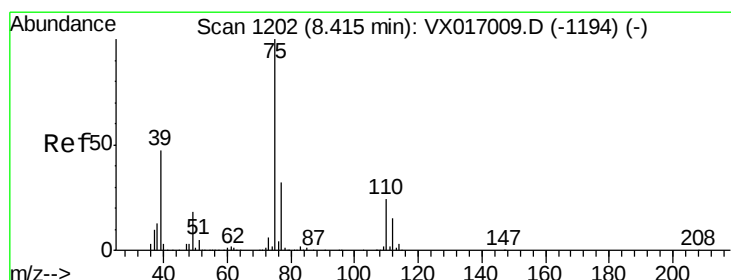
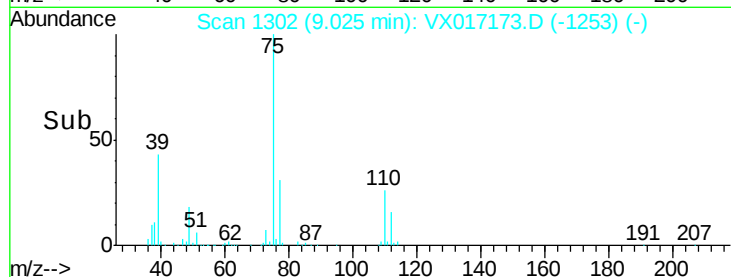
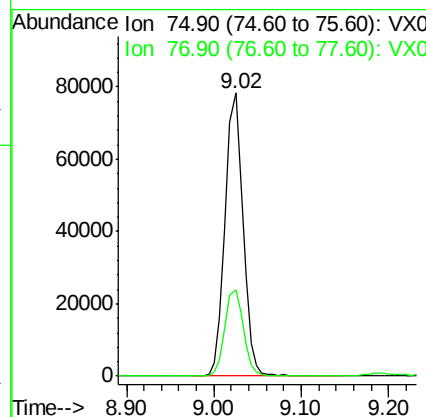
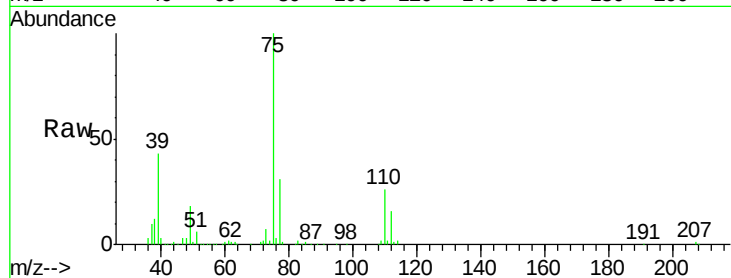
77 30.6 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.651 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

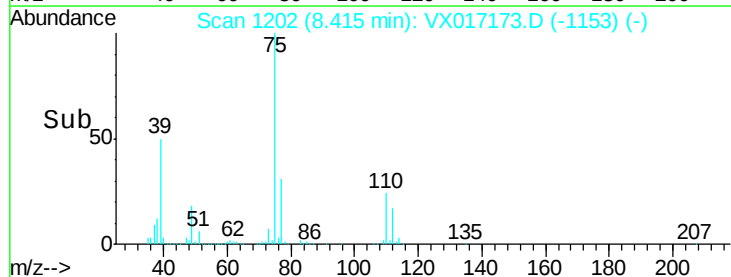
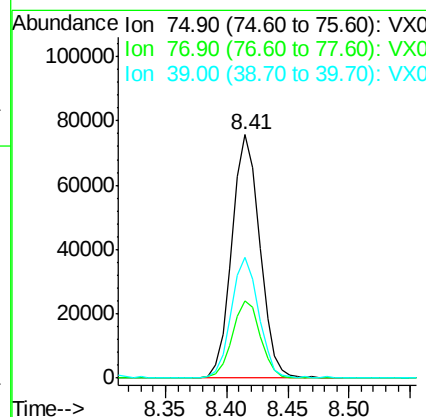
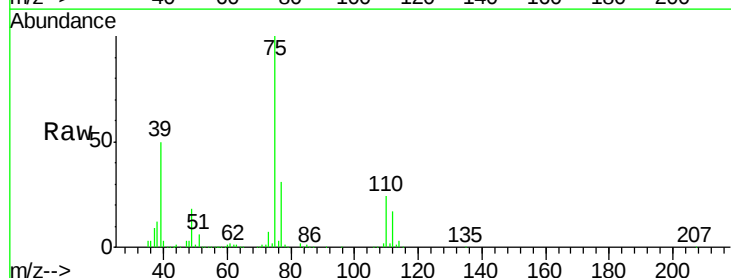
Tgt Ion: 75 Resp: 119606

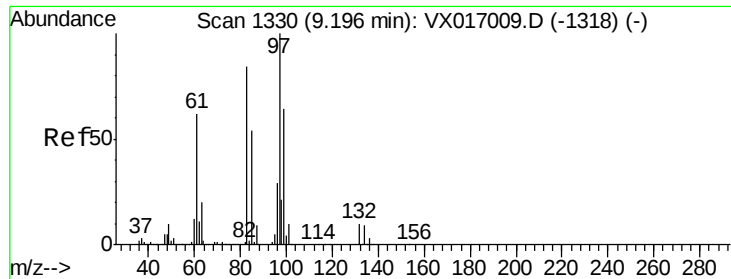
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 49.4 37.4 56.2





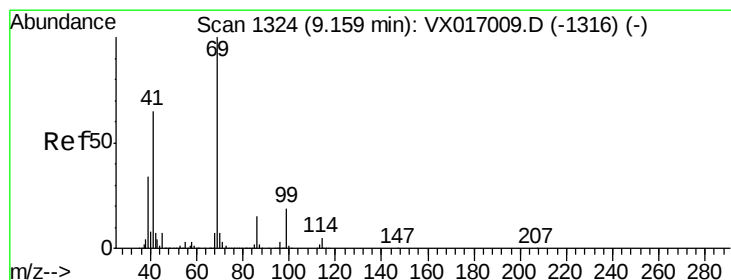
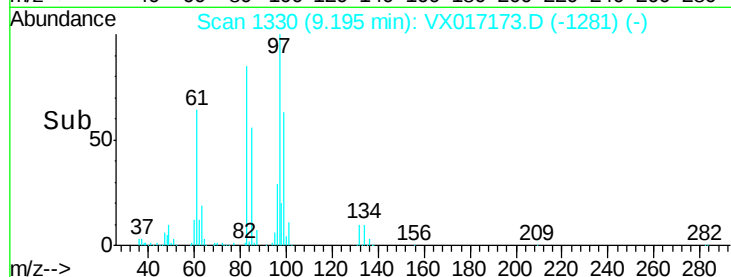
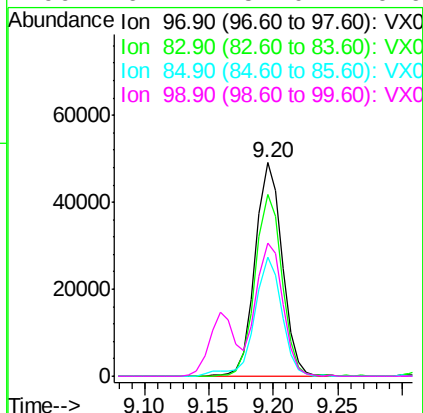
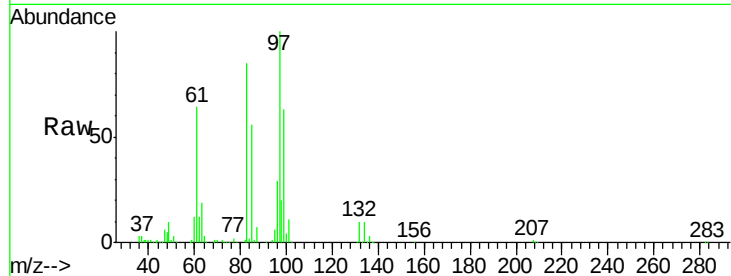
#55
 1,1,2-Trichloroethane
 Concen: 19.584 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		71140		
83	85.2	67.0	100.6		
85	55.6	43.5	65.3		
99	62.2	51.0	76.6		

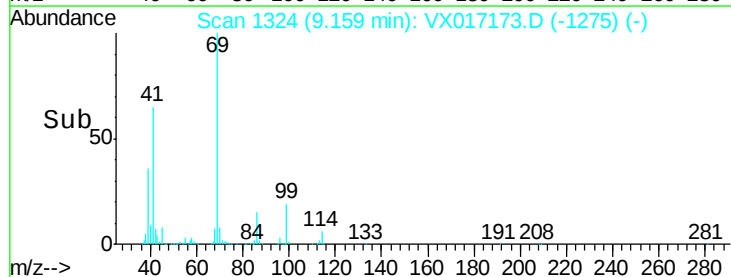
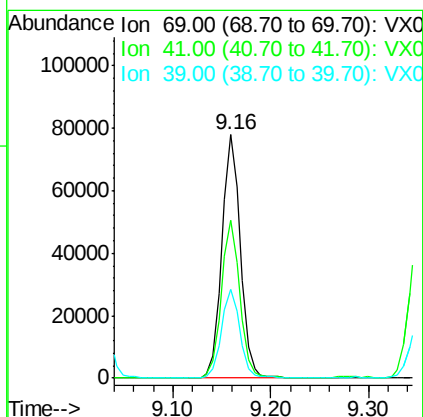
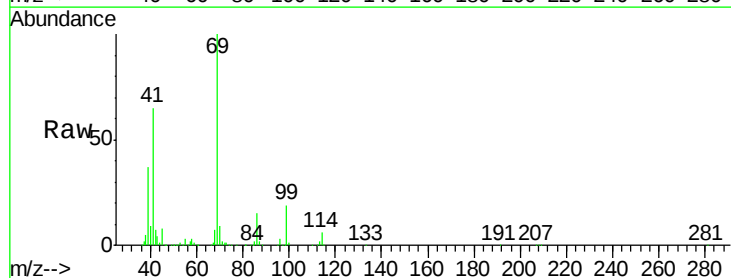
Manual Integrations
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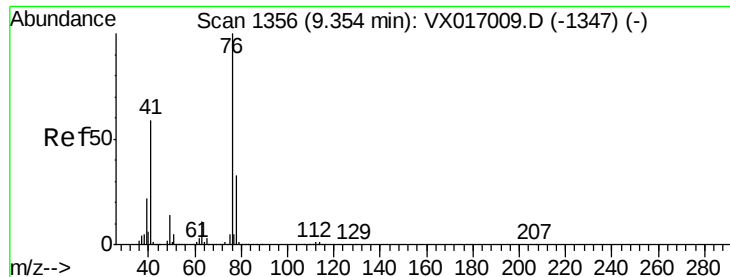
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#56
 Ethyl methacrylate
 Concen: 19.827 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		102511		
41	65.0	53.6	80.4		
39	36.1	28.2	42.2		





#57

1,3-Dichloropropane

Concen: 19.241 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 76 Resp: 118264

Ion Ratio Lower Upper

76 100

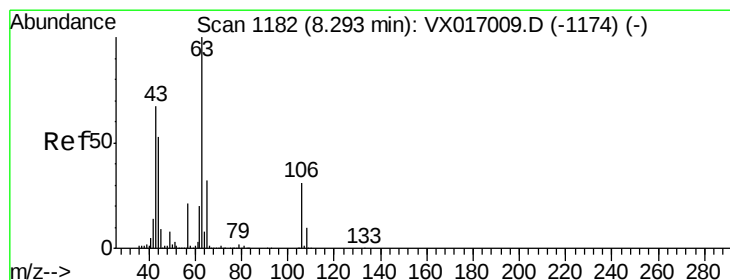
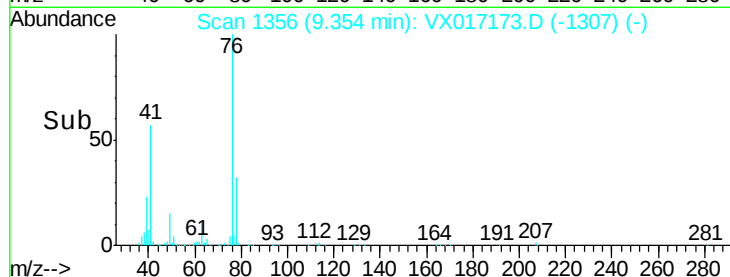
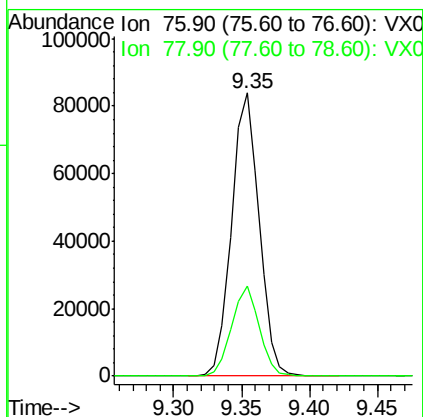
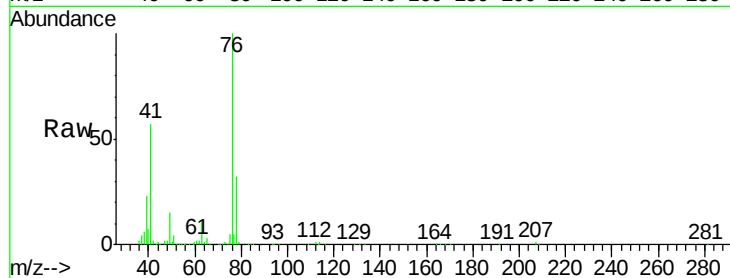
78 31.9 25.9 38.9

Manual Integrations

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7/7/2020 12:24:44 PM



#58

2-Chloroethyl Vinyl ether

Concen: 103.583 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX017173.D

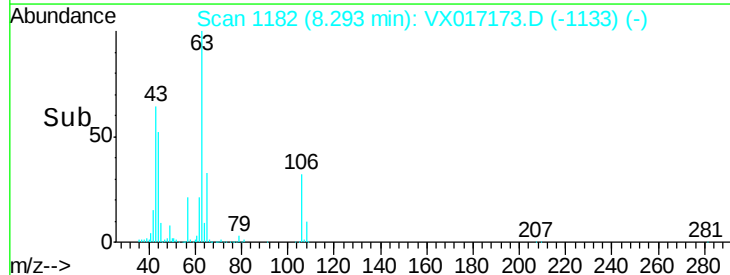
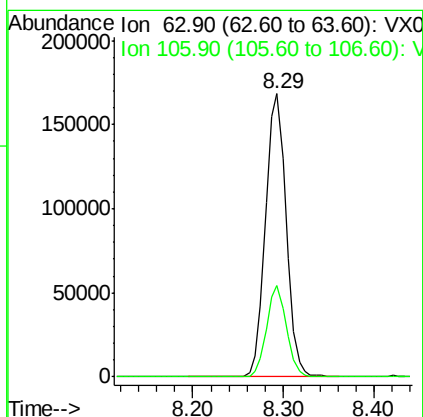
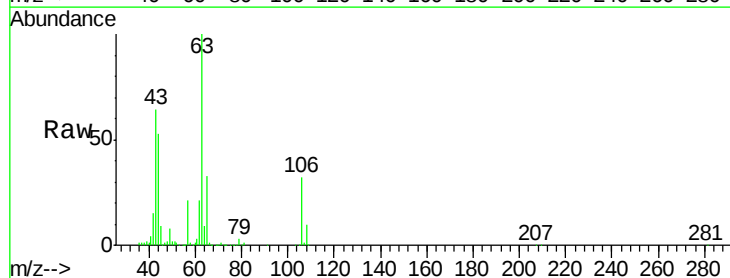
Acq: 06 Jul 2020 17:10

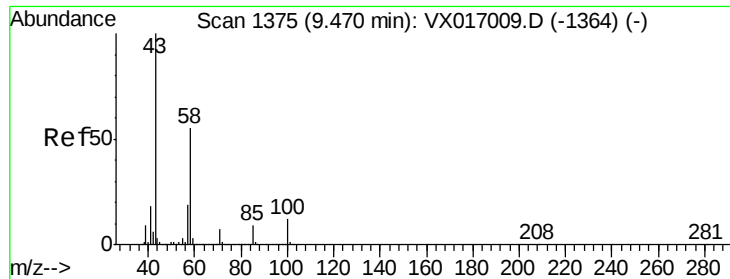
Tgt Ion: 63 Resp: 266539

Ion Ratio Lower Upper

63 100

106 30.9 24.0 36.0





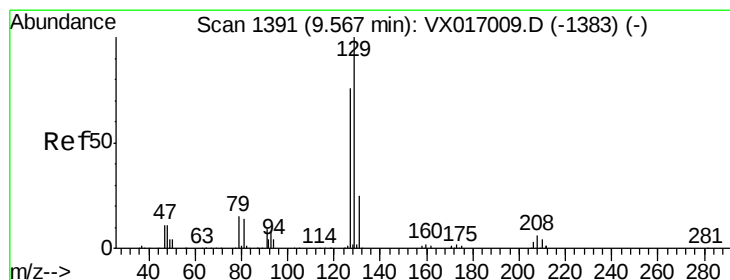
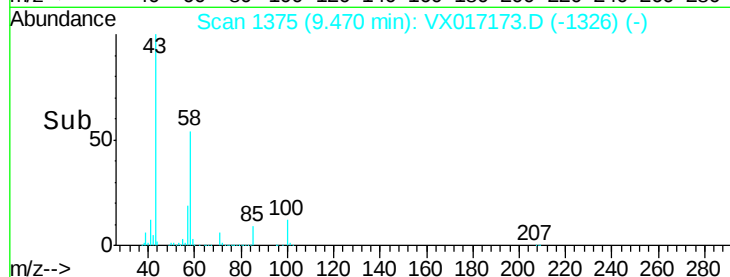
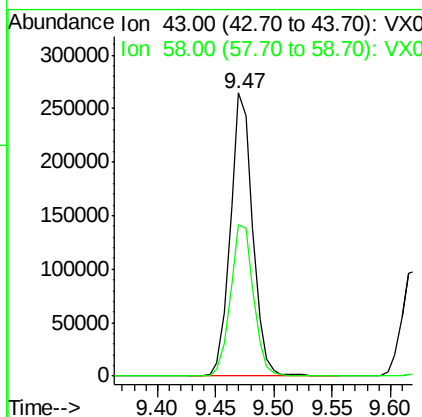
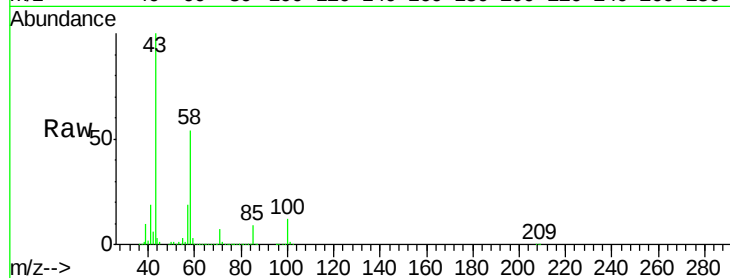
#59
2-Hexanone
Concen: 98.856 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion: 43 Resp: 351669
Ion Ratio Lower Upper
43 100
58 55.5 27.9 83.6

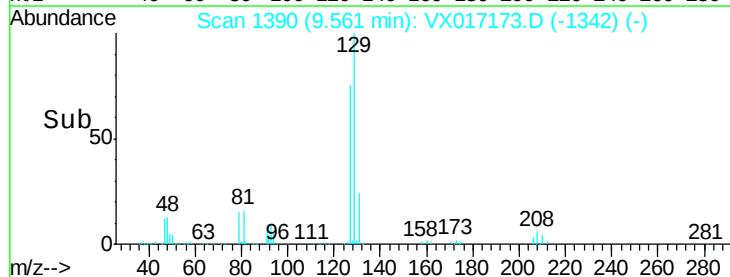
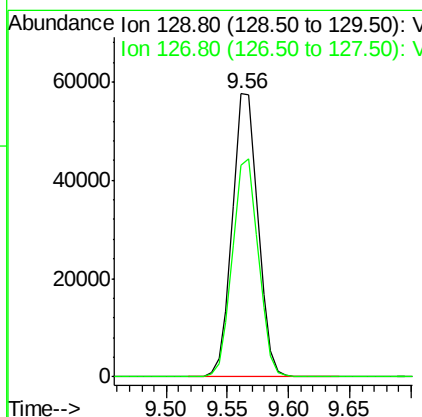
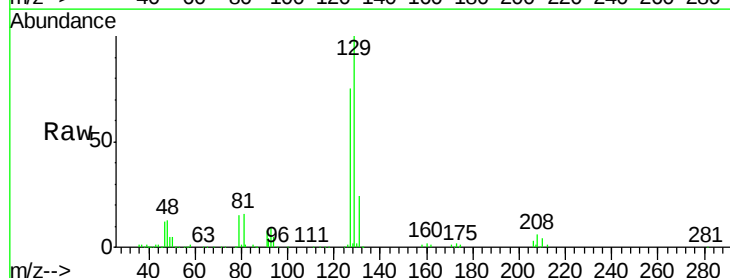
Manual Integrations
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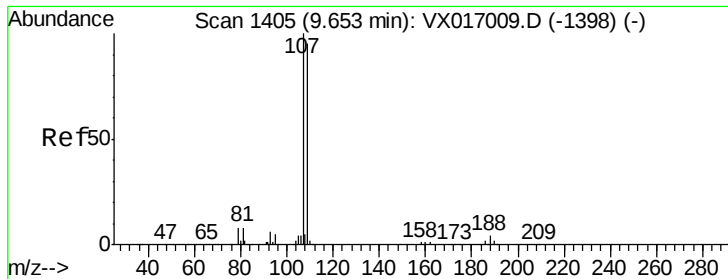
MMDadoda
7/7/2020 12:24:44 PM



#60
Dibromochloromethane
Concen: 19.875 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion: 129 Resp: 83852
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.673 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 107 Resp: 76814

Ion Ratio Lower Upper

107 100

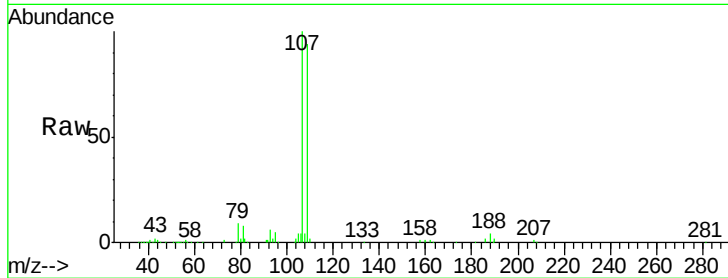
109 92.7 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

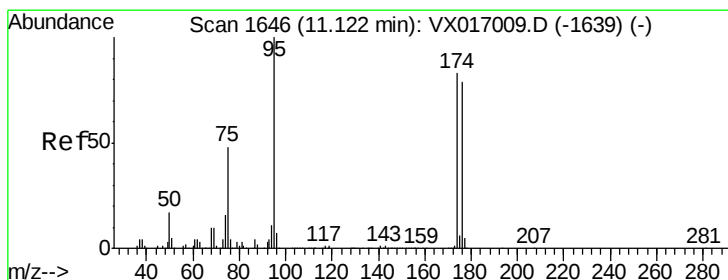
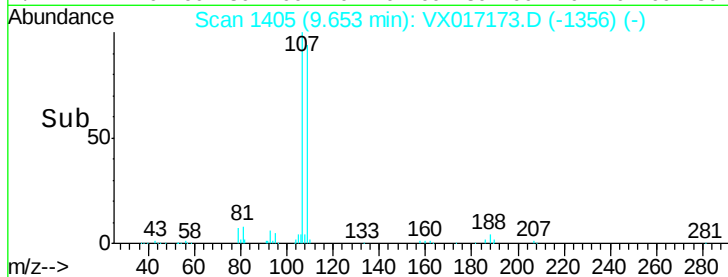
20000

10000

0

9.60 9.65 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 51.474 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

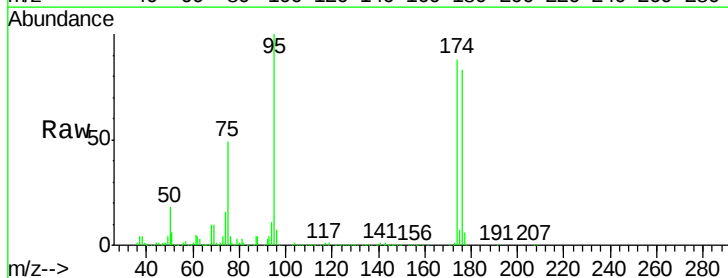
Tgt Ion: 95 Resp: 241361

Ion Ratio Lower Upper

95 100

174 86.6 0.0 164.0

176 83.6 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

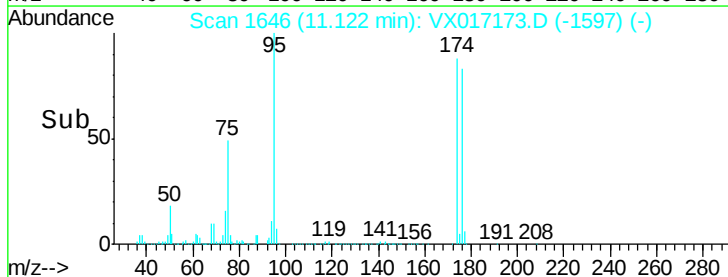
100000

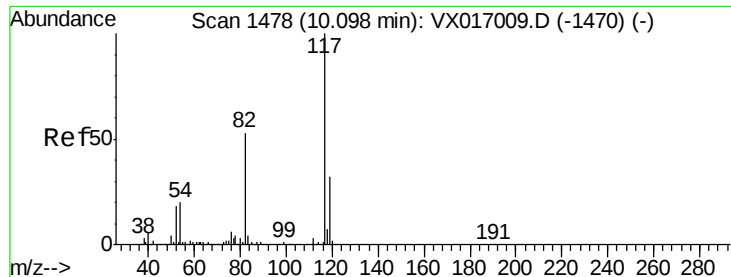
50000

0

11.00 11.10 11.20

Time-->





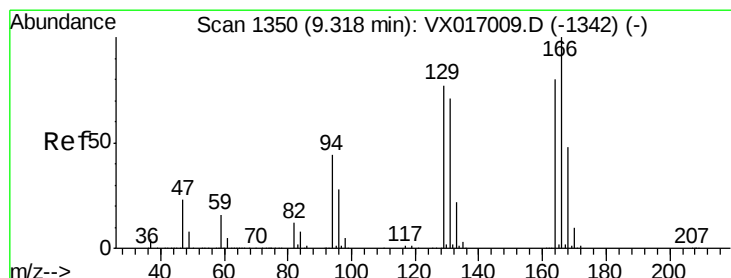
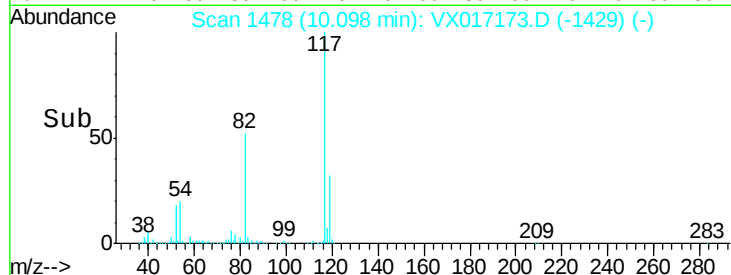
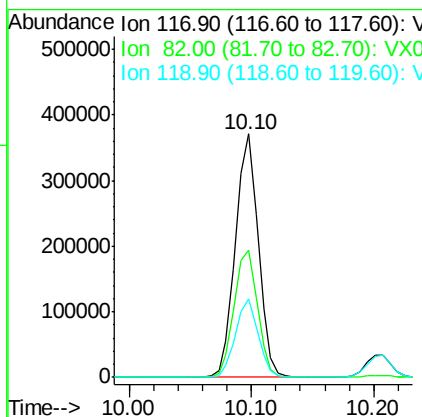
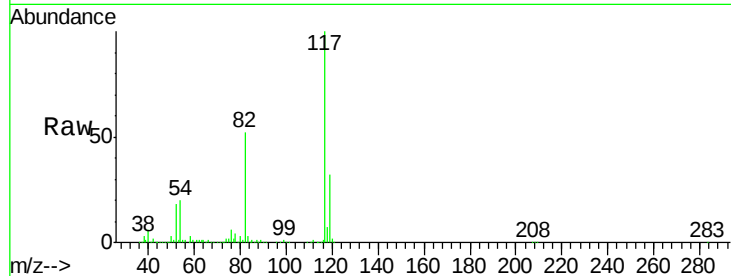
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampled :
VX0706WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	479187		
82	52.4	42.6	63.8	
119	32.1	25.4	38.2	

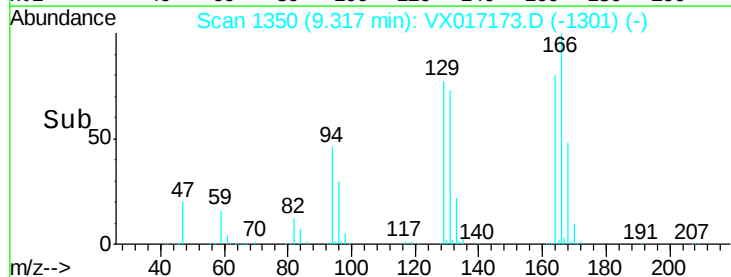
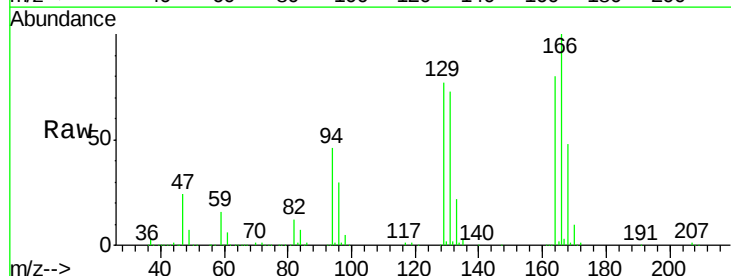
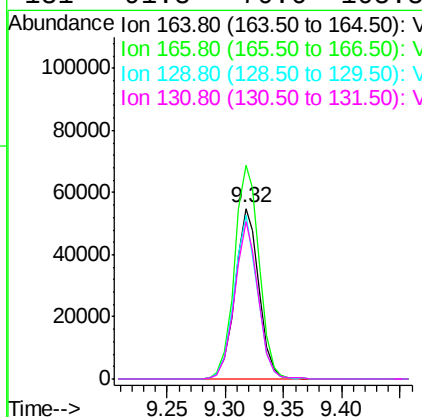
Manual Integrations
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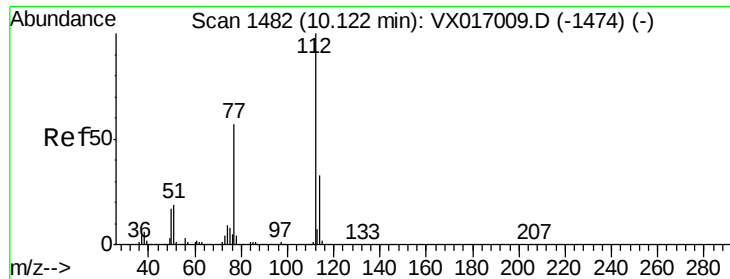
MMDadoda
7/7/2020 12:24:44 PM



#64
Tetrachloroethene
Concen: 20.146 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77912		
166	125.0	99.4	149.0	
129	96.1	76.3	114.5	
131	91.8	70.6	105.8	





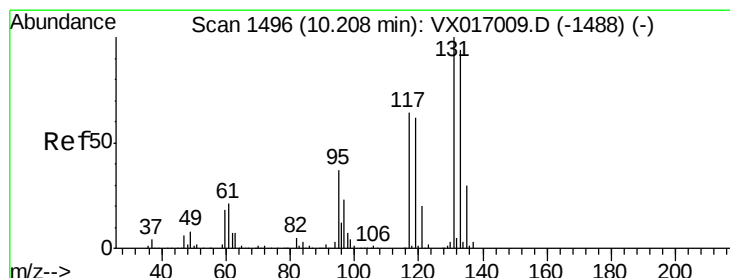
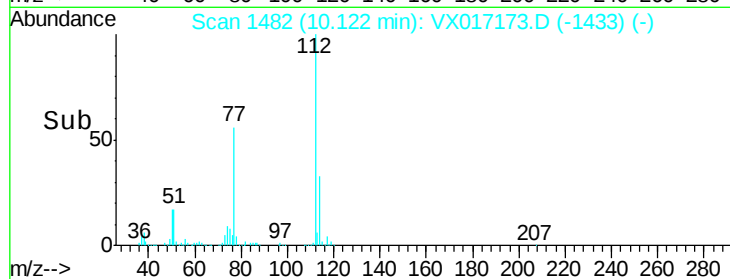
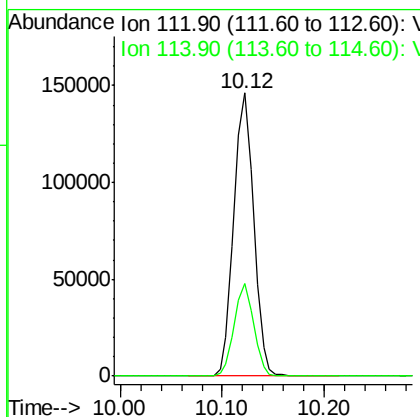
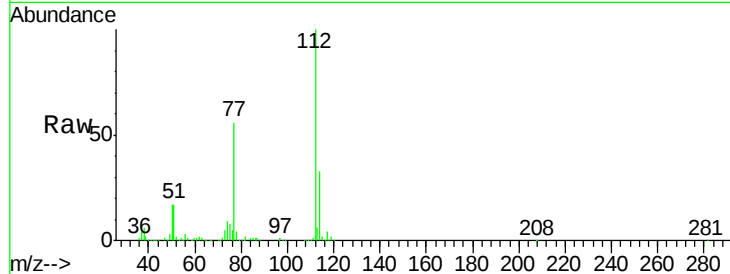
#65
Chlorobenzene
Concen: 19.866 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion:112 Resp: 196474
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4

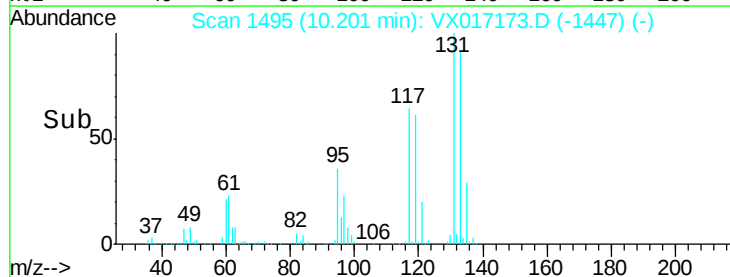
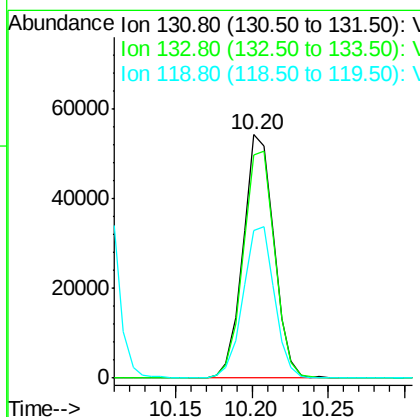
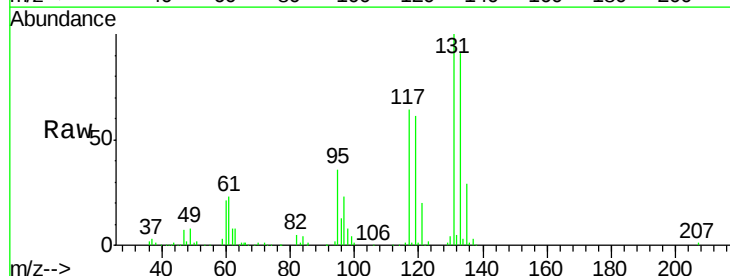
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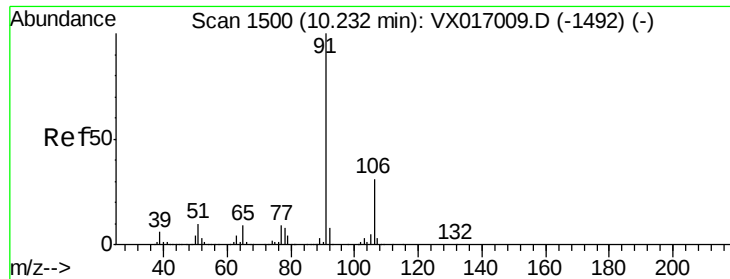
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.886 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion:131 Resp: 75797
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 62.4 31.9 95.5





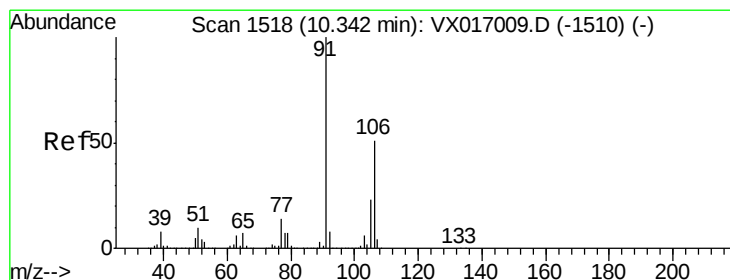
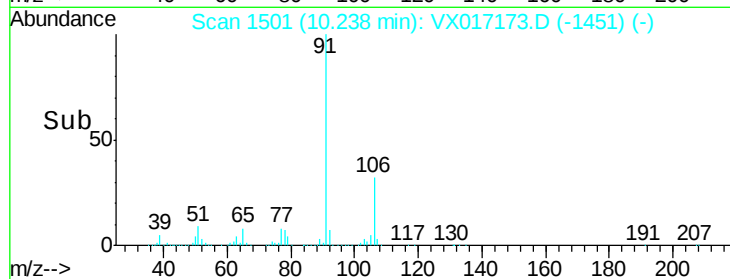
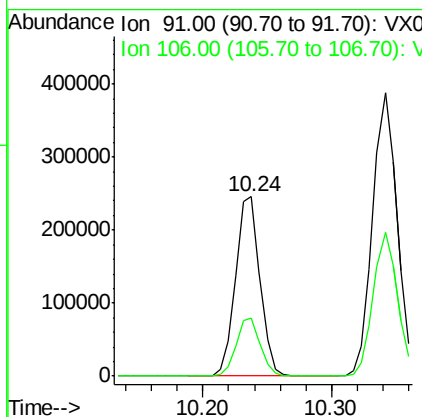
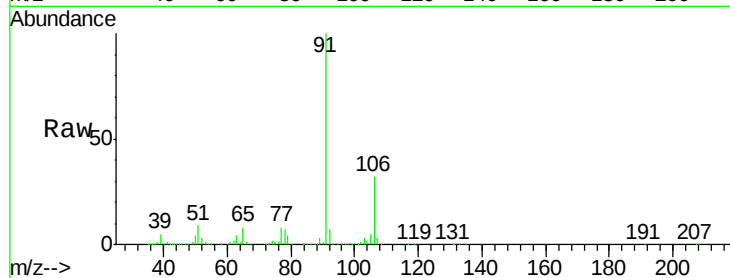
#67
Ethyl Benzene
Concen: 19.679 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion: 91 Resp: 325027
Ion Ratio Lower Upper
91 100
106 32.1 24.7 37.1

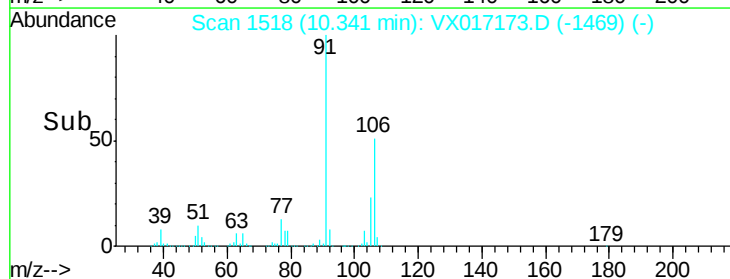
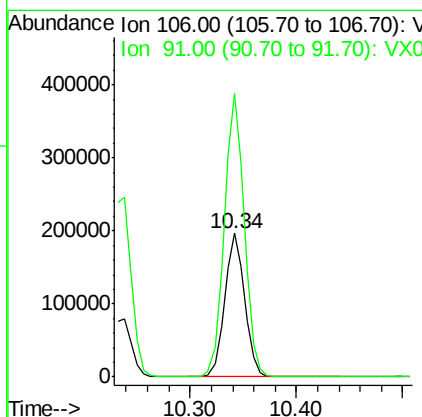
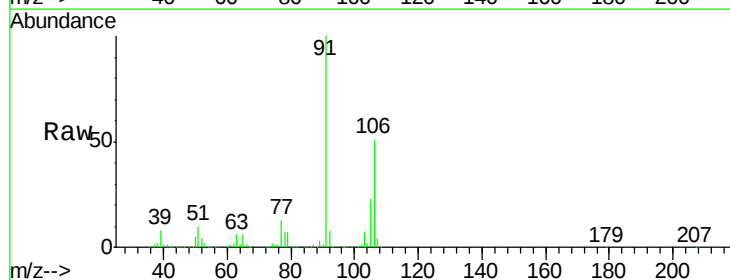
Manual Integrations
APPROVED

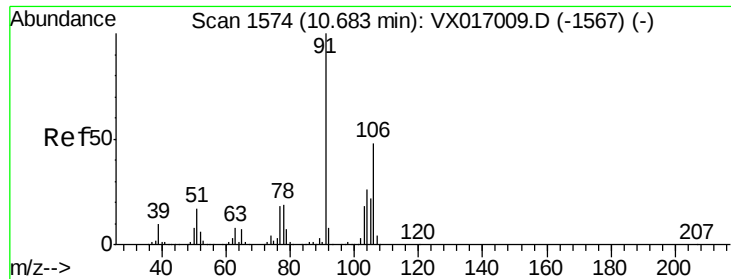
MMDadoda
7/7/2020 12:24:44 PM



#68
m/p-Xylenes
Concen: 40.318 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion: 106 Resp: 255688
Ion Ratio Lower Upper
106 100
91 198.7 158.6 238.0





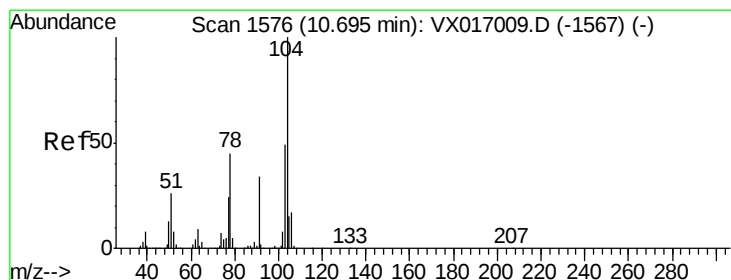
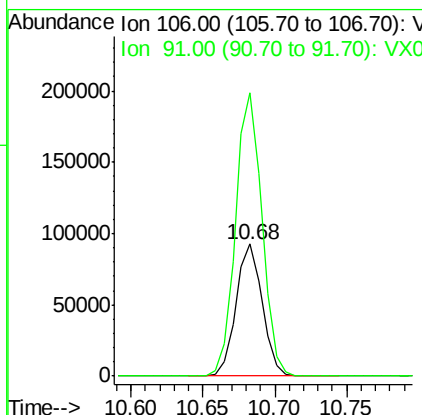
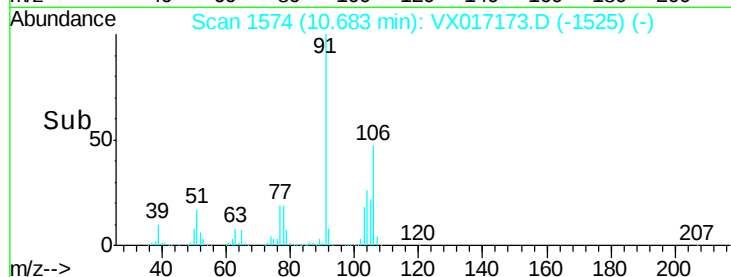
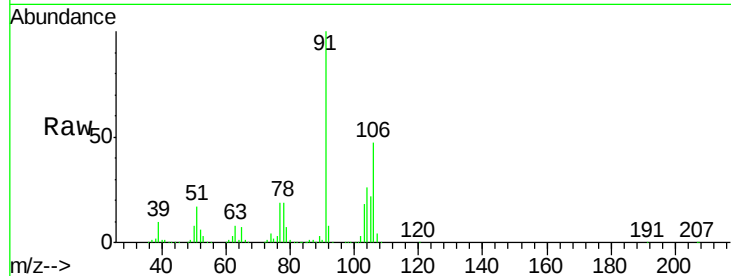
#69
o-Xylene
Concen: 19.538 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion:106 Resp: 117874
Ion Ratio Lower Upper
106 100
91 215.8 105.6 316.7

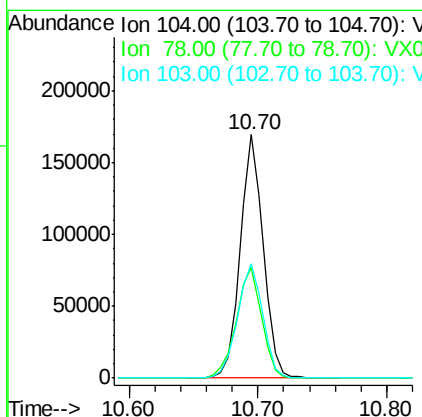
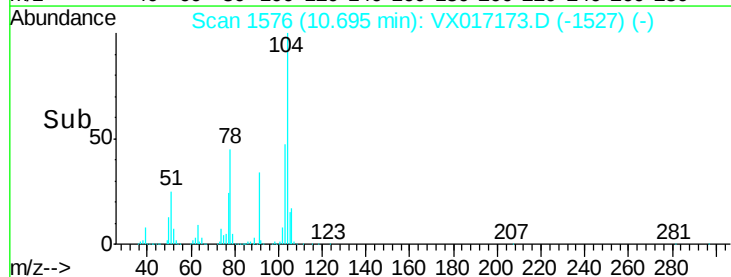
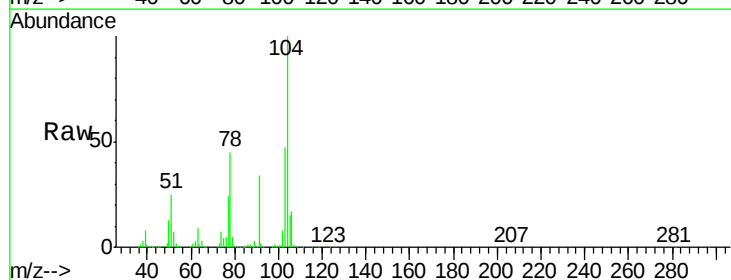
Manual Integrations
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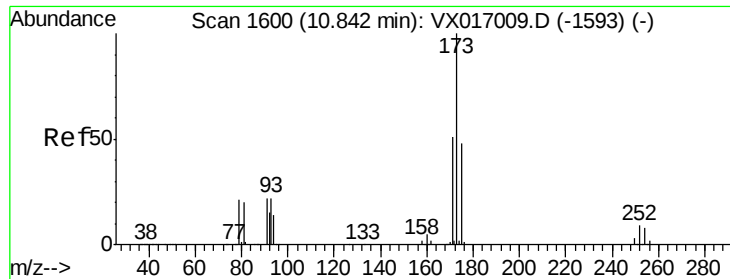
MMDadoda
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#70
Styrene
Concen: 20.370 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion:104 Resp: 209269
Ion Ratio Lower Upper
104 100
78 50.7 39.5 59.3
103 51.9 43.0 64.6





#71

Bromoform

Concen: 21.049 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion:173 Resp: 63622

Ion Ratio Lower Upper

173 100

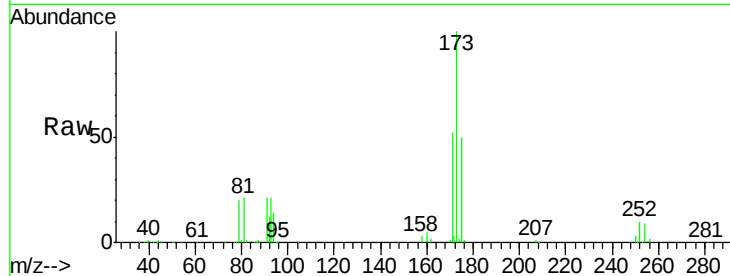
175 49.7 24.5 73.5

254 0.0 0.1 0.1#

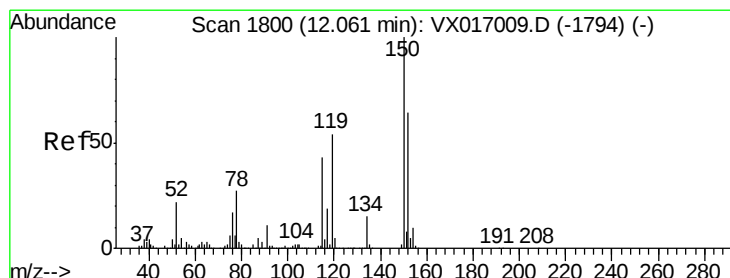
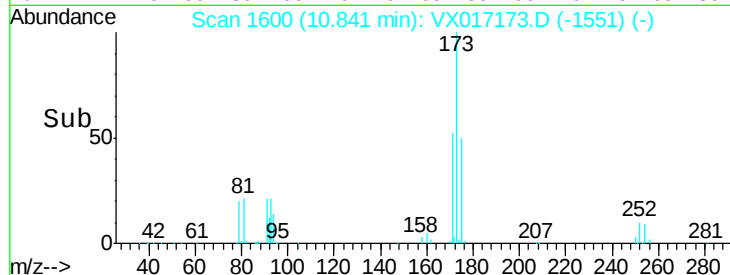
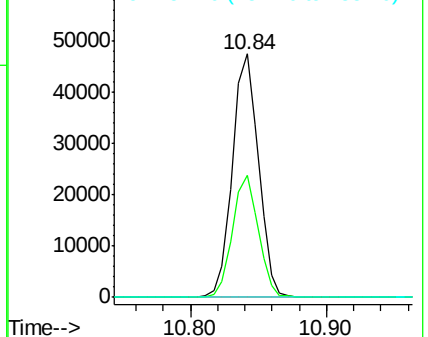
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

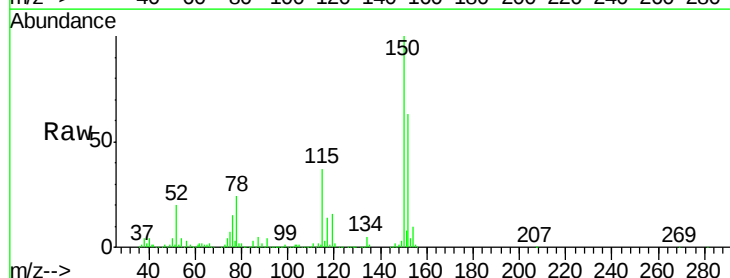
Tgt Ion:152 Resp: 259174

Ion Ratio Lower Upper

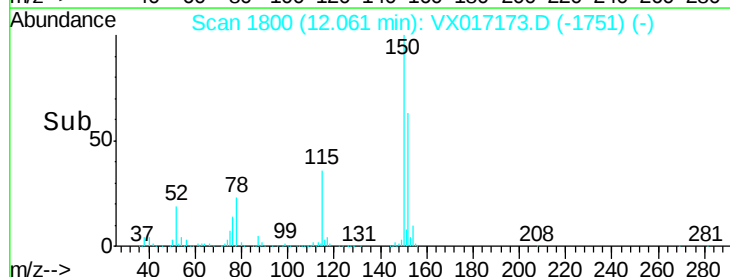
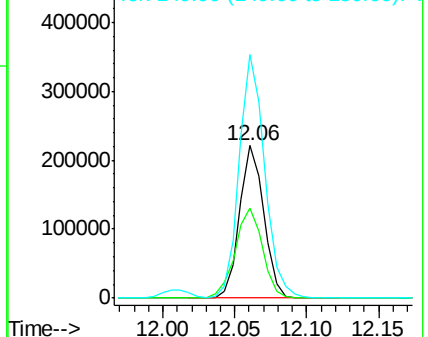
152 100

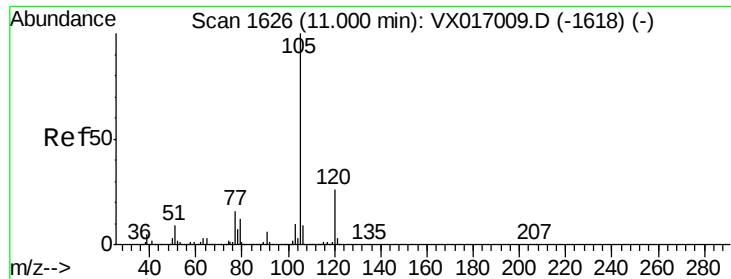
115 66.7 40.9 122.7

150 167.2 0.0 351.6



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: 19.280 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBSD01

Tot Ion: 105 Resp: 327309

Ion Ratio Lower Upper

105 100

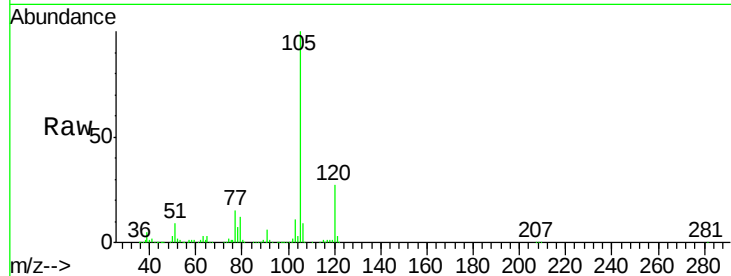
120 26.9 13.4 40.2

Manual Integrations

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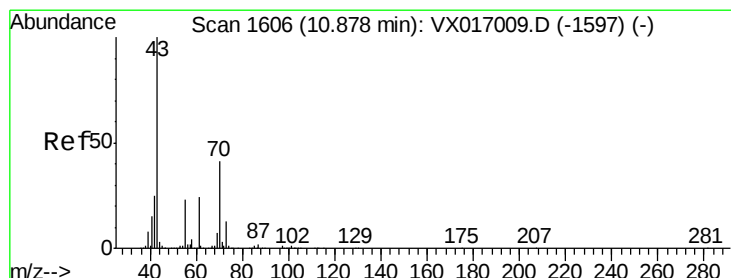
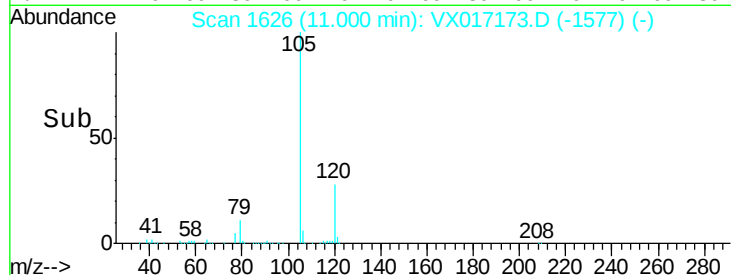
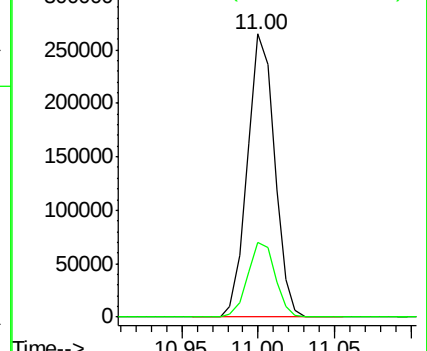
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.214 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Tgt Ion: 43 Resp: 131933

Ion Ratio Lower Upper

43 100

70 42.8 34.2 51.2

55 25.4 19.2 28.8

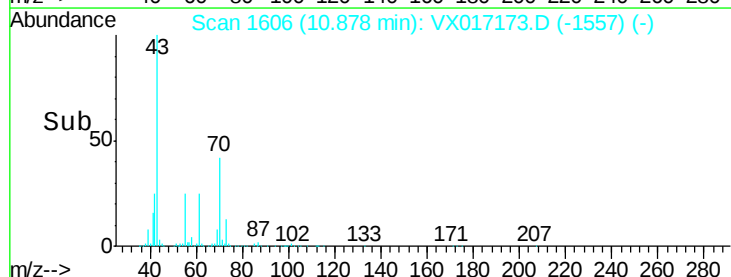
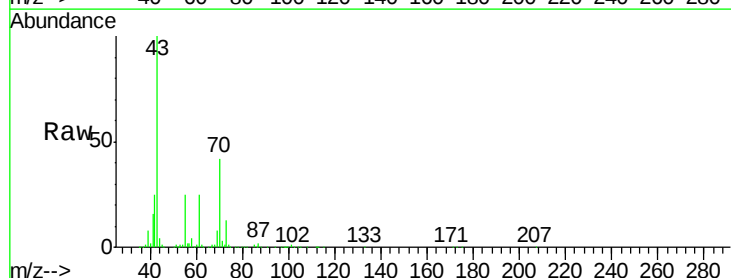
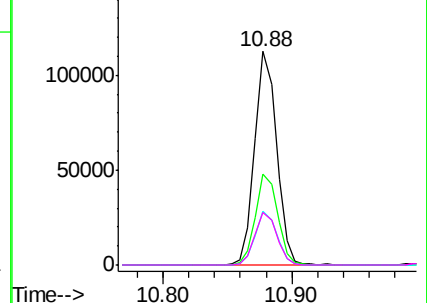
61 24.6 19.6 29.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.631 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

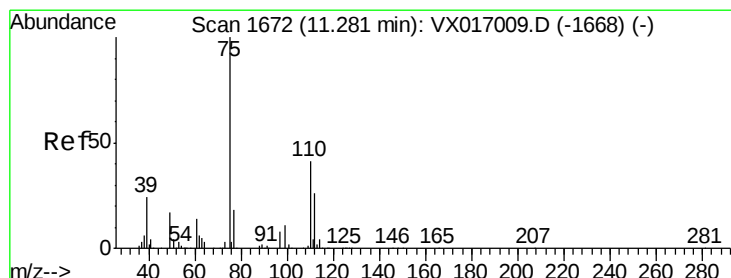
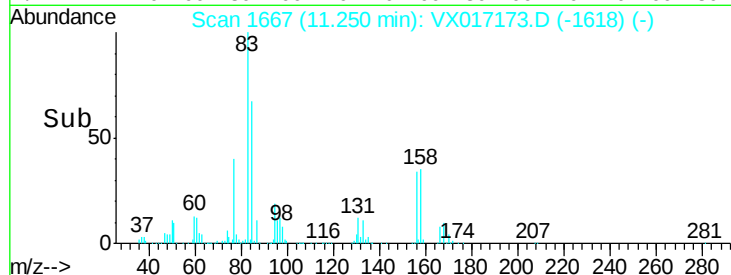
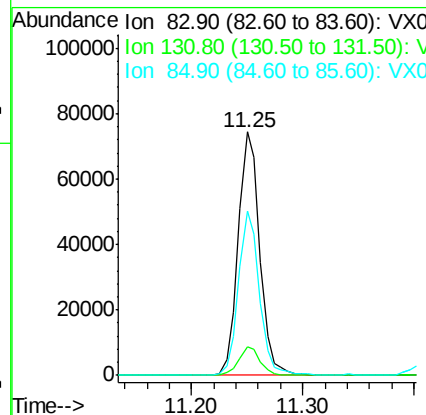
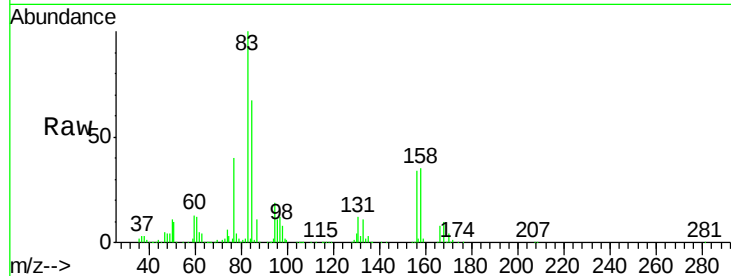
ClientSampled :

VX0706WBSD01

Tot Ion:	83	Resp:	99487
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.4	16.2
85	65.4	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.474 ug/l m

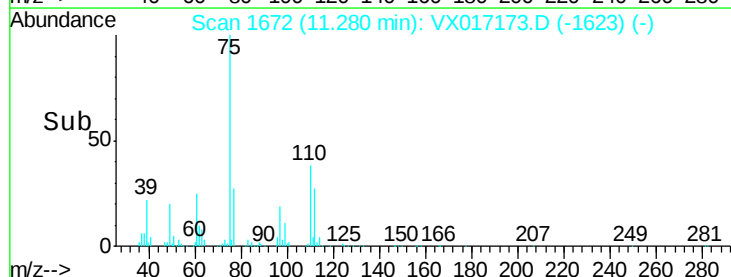
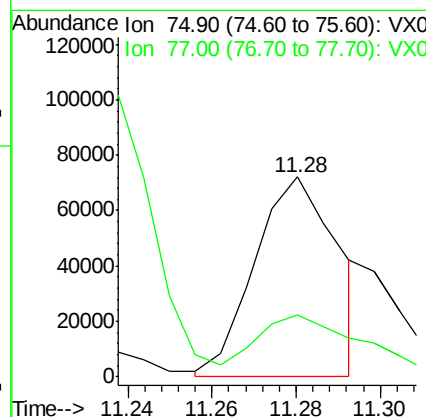
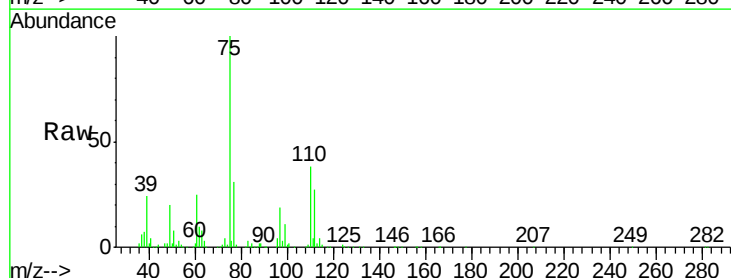
RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Tgt Ion:	75	Resp:	99249
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.2	60.6





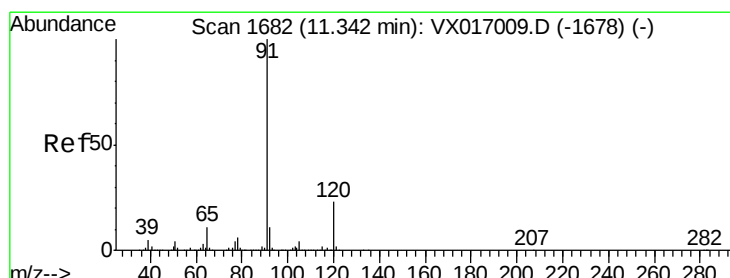
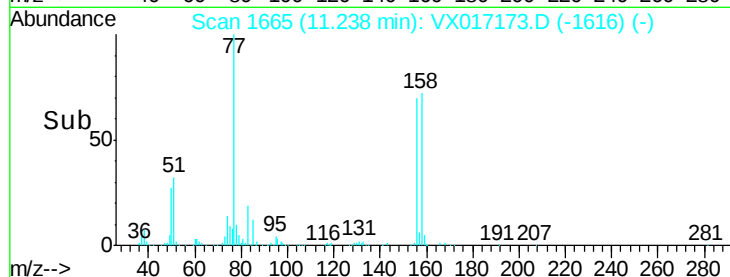
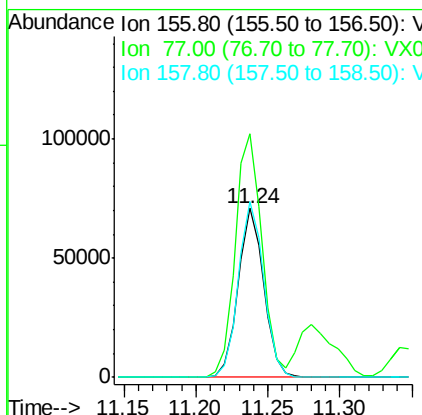
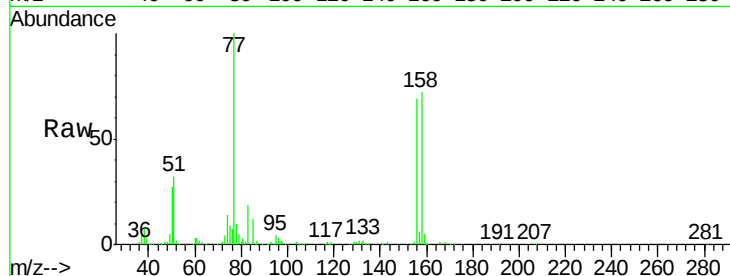
#77
Bromobenzene
Concen: 18.873 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.5	76.9	230.7
158	103.2	47.9	143.6

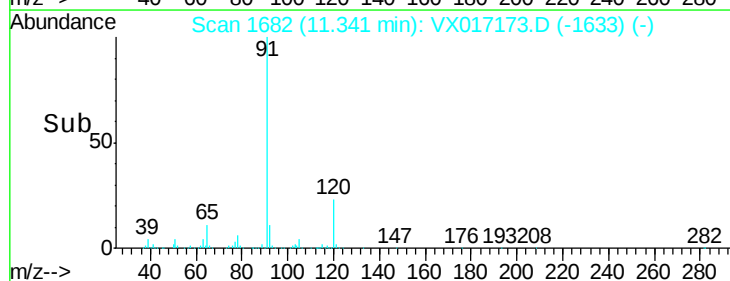
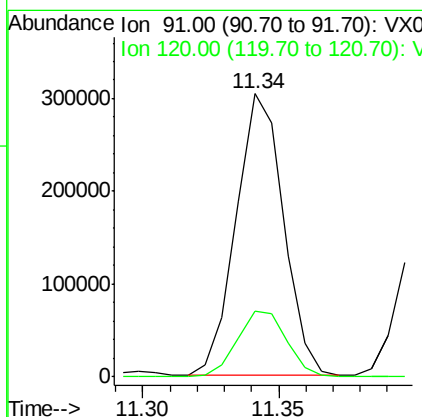
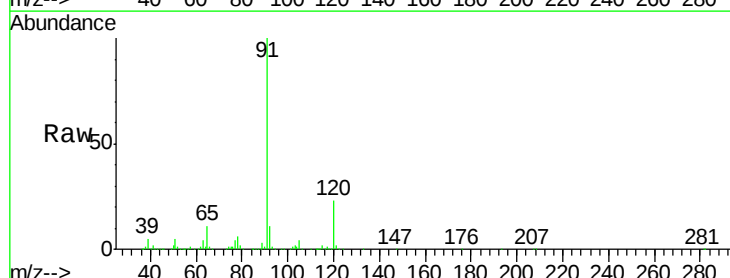
Manual Integrations
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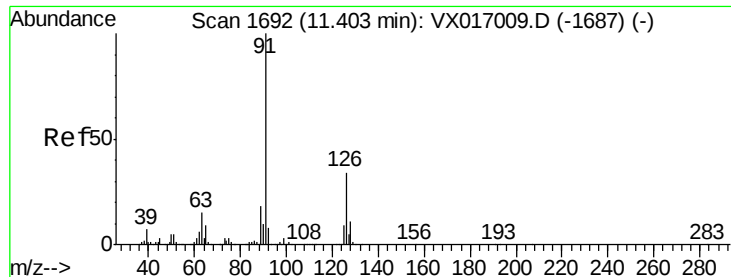
MMDadoda
7/7/2020 12:24:44 PM



#78
n-propylbenzene
Concen: 19.210 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.9





#79

2-Chlorotoluene

Concen: 19.602 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017173.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampled :

VX0706WBSD01

Tot Ion: 91 Resp: 227749

Ion Ratio Lower Upper

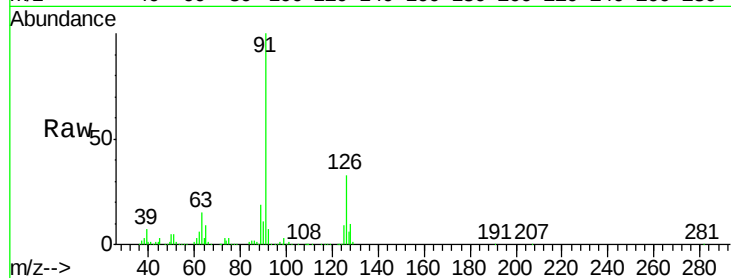
91 100

126 34.6 17.4 52.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX017009.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX017009.D (-1687) (-)

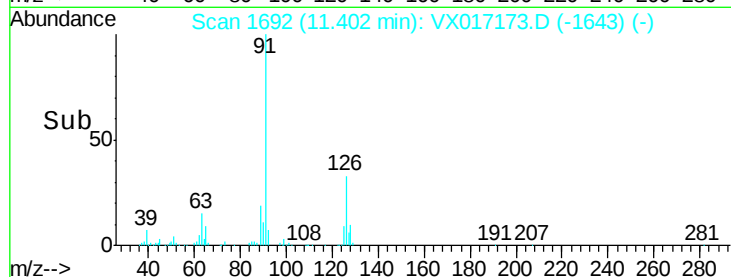
300000

200000

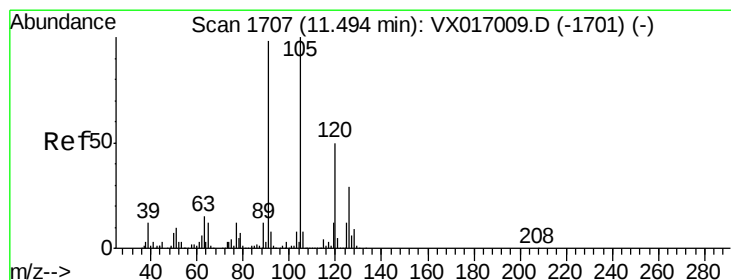
100000

0

11.35 11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.980 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017173.D

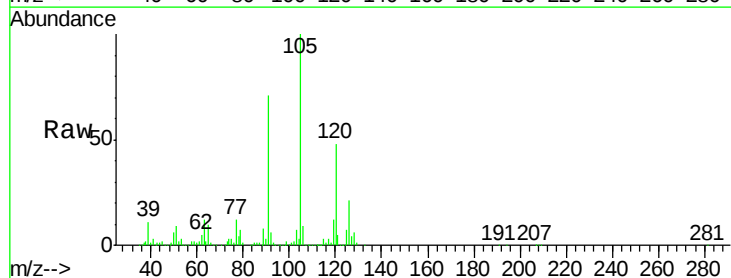
Acq: 06 Jul 2020 17:10

Tgt Ion: 105 Resp: 281345

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX017009.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX017009.D (-1701) (-)

250000

200000

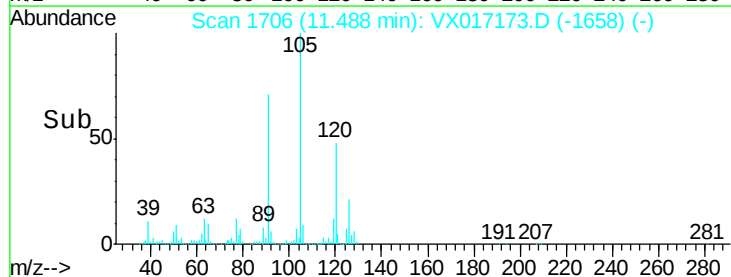
150000

100000

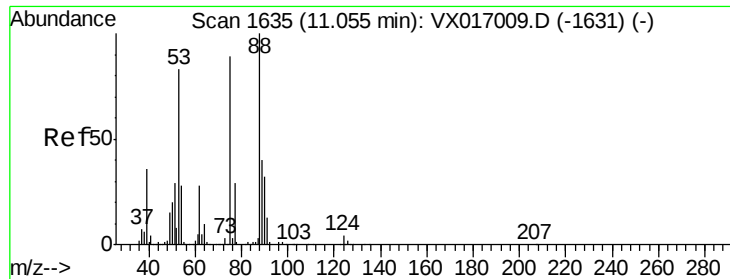
50000

0

11.40 11.50 11.60



Time-->



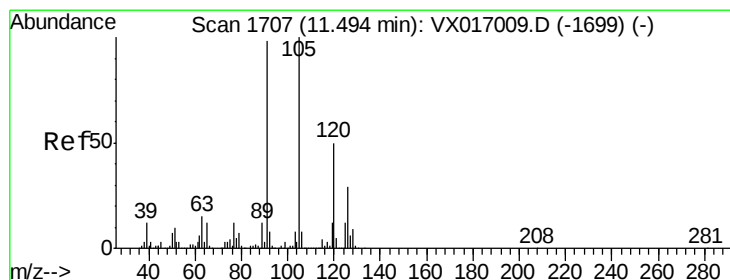
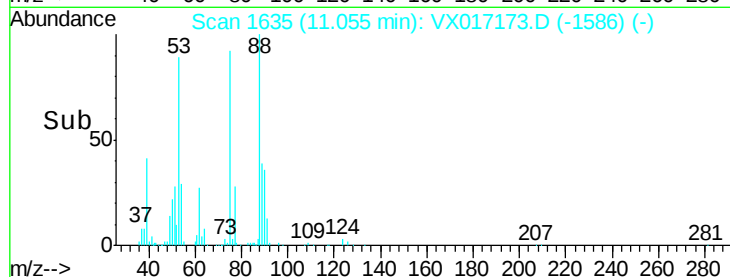
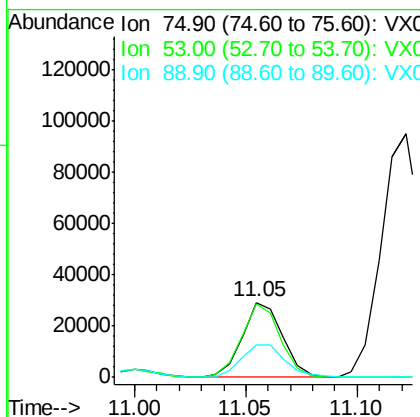
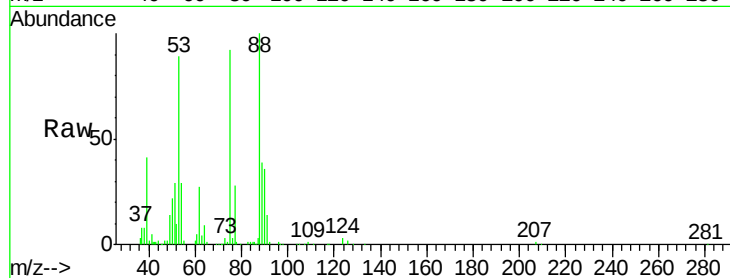
#81
trans-1,4-Dichloro-2-butene
Concen: 18.446 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	72.4	108.6
89	48.0	37.0	55.4

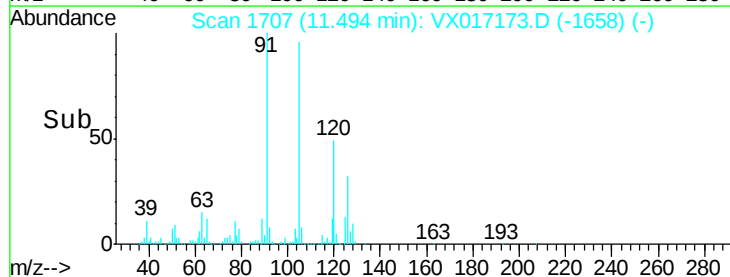
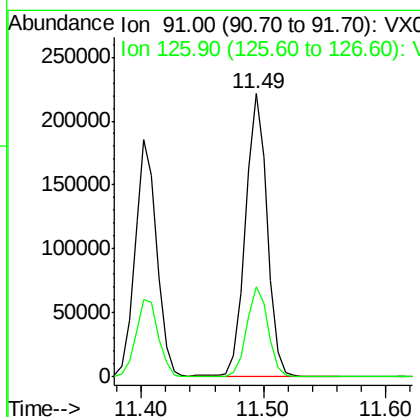
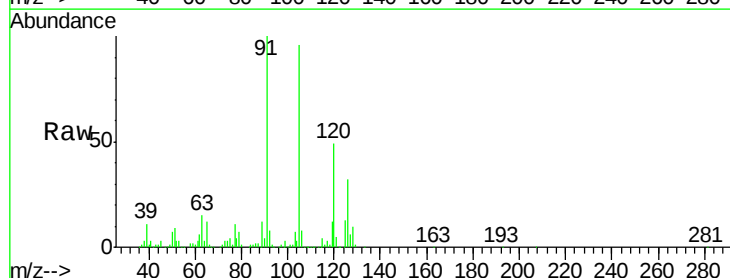
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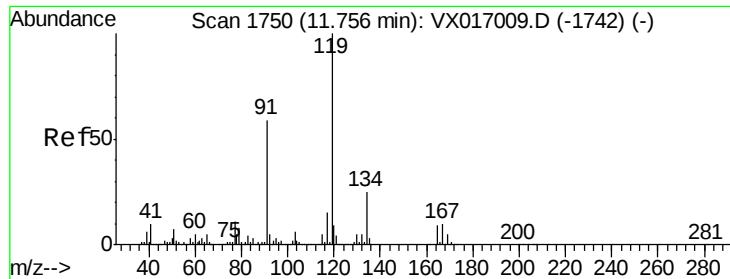
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#82
4-Chlorotoluene
Concen: 19.551 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.2	45.5





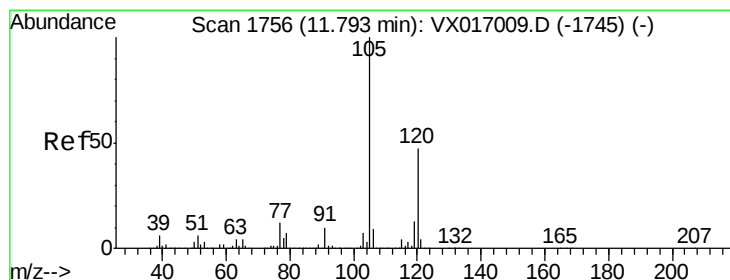
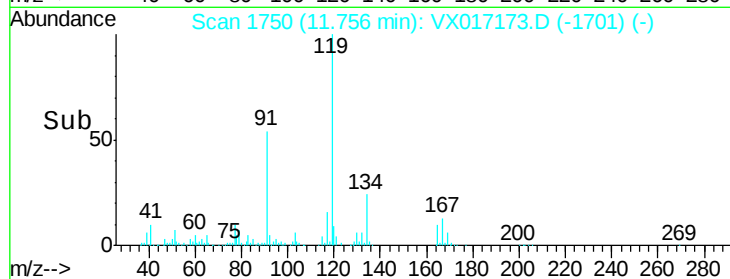
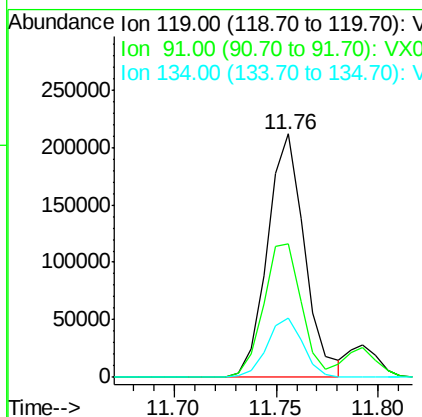
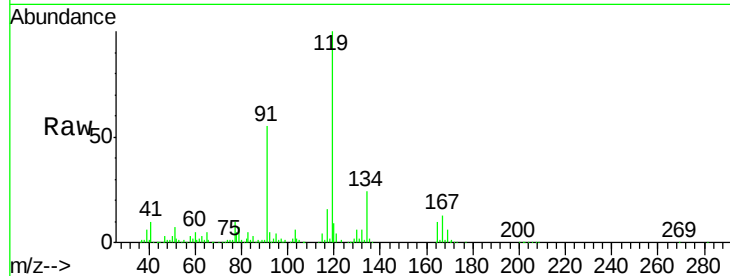
#83
tert-Butylbenzene
Concen: 19.433 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	268619		
91	56.4	28.3	84.9	
134	23.8	11.7	35.1	

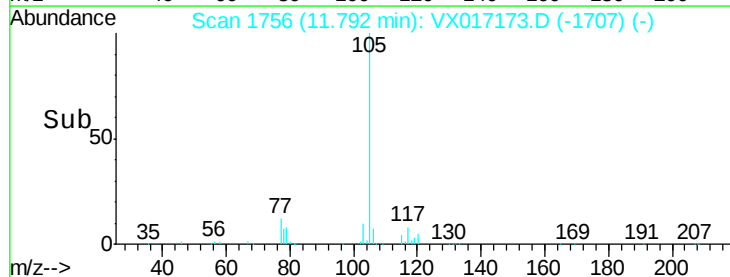
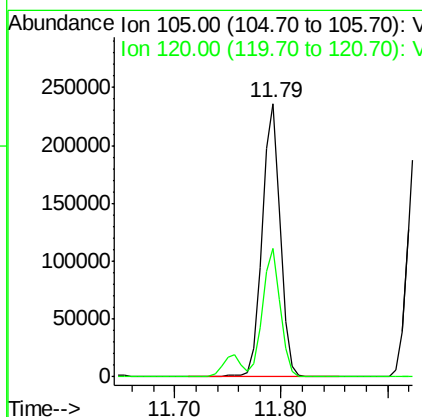
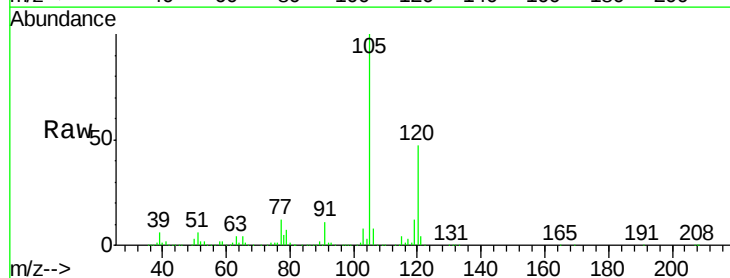
Manual Integrations
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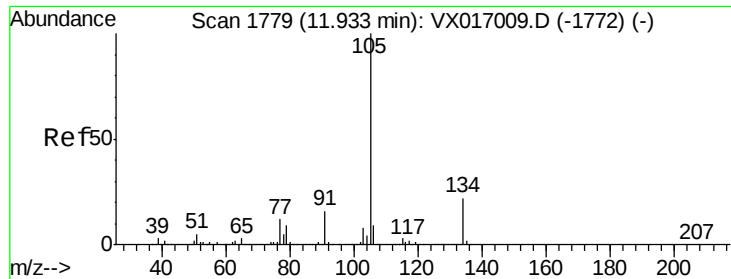
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#84
1,2,4-Trimethylbenzene
Concen: 19.640 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280574		
120	46.1	22.9	68.5	





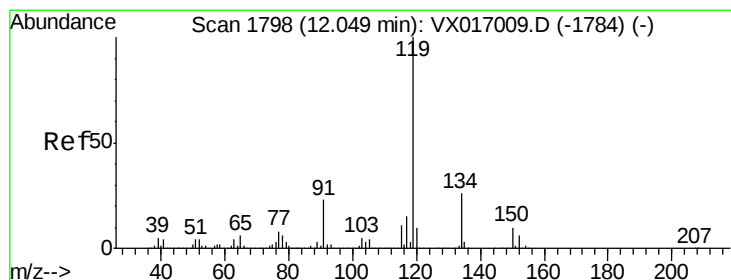
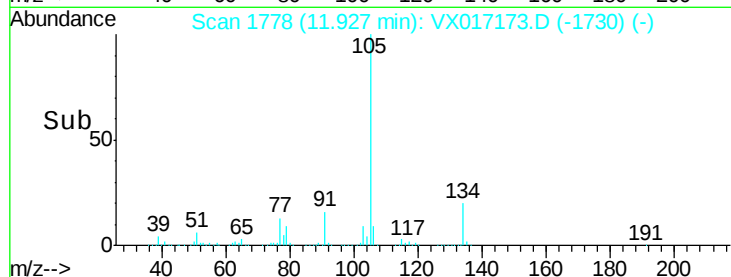
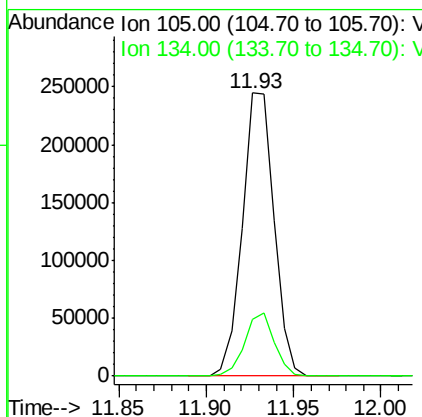
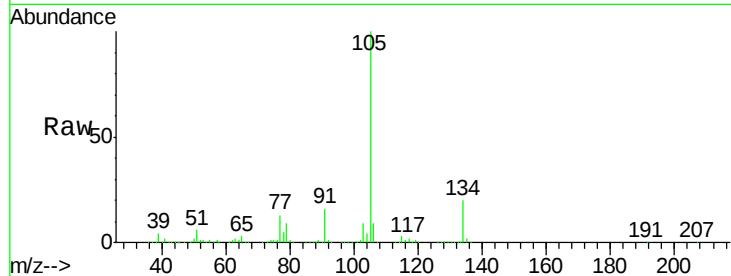
#85
 sec-Butylbenzene
 Concen: 19.042 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	309397		
134	20.8	10.5	31.6	

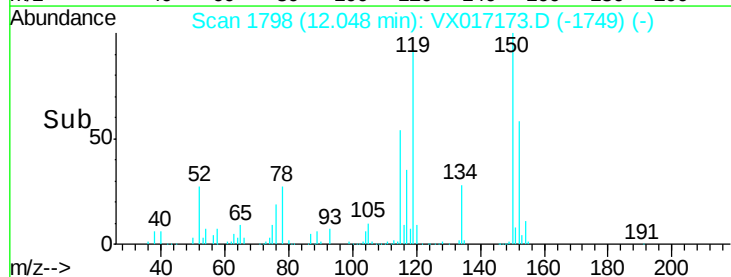
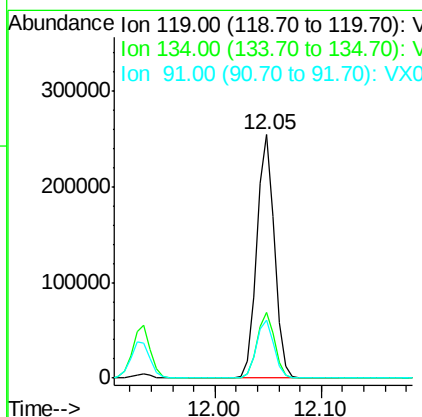
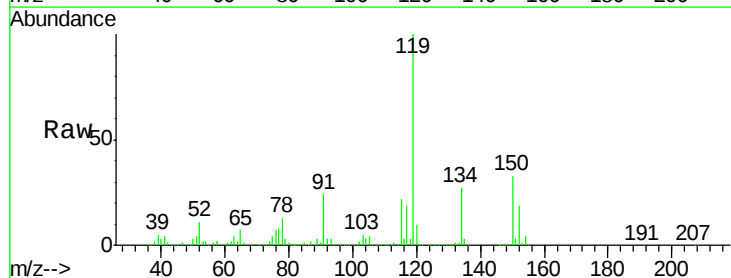
Manual Integrations
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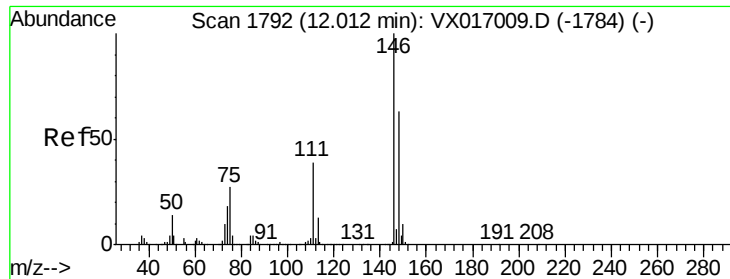
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 7/7/2020 12:24:44 PM



#86
 p-Isopropyltoluene
 Concen: 19.548 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	295679		
134	26.7	13.2	39.5	
91	24.0	11.8	35.4	





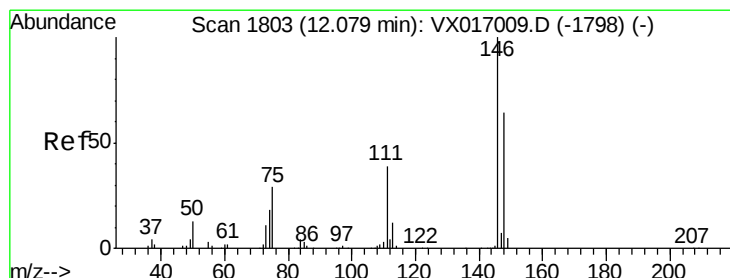
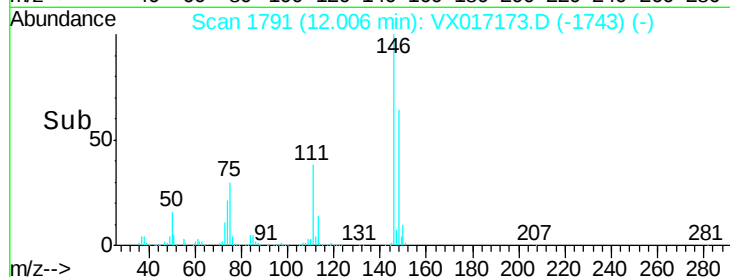
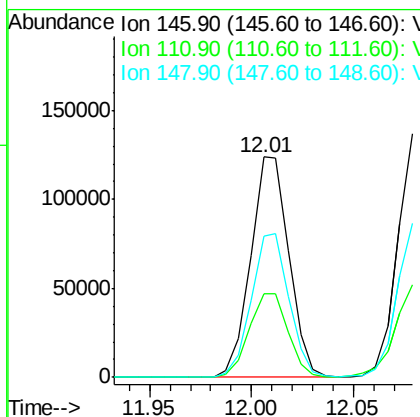
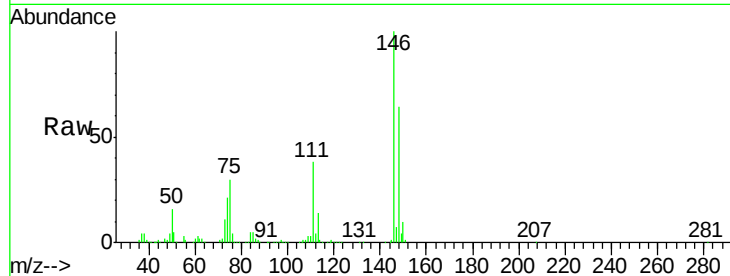
#87
 1,3-Dichlorobenzene
 Concen: 19.073 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampled :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.4	61.2
148	64.4	32.5	97.5

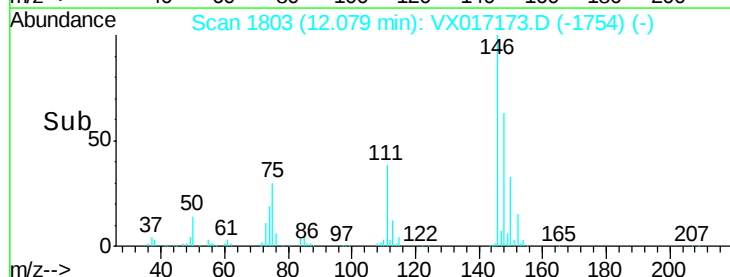
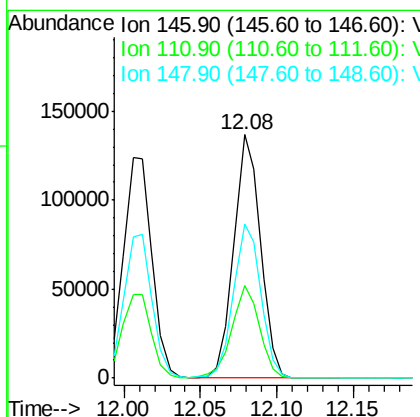
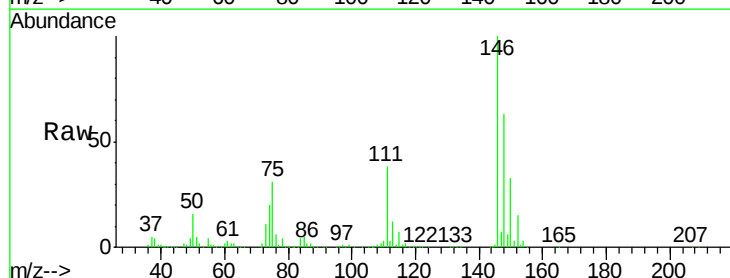
Manual Integrations
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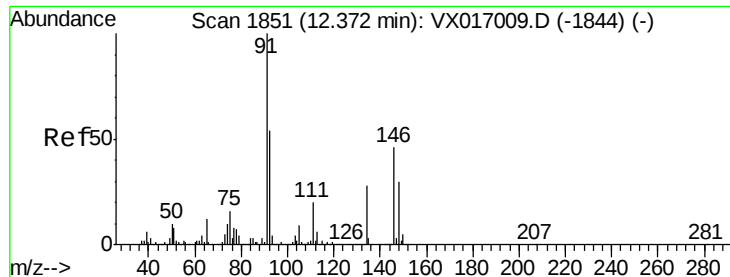
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#88
 1,4-Dichlorobenzene
 Concen: 20.585 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	65.1	31.9	95.7





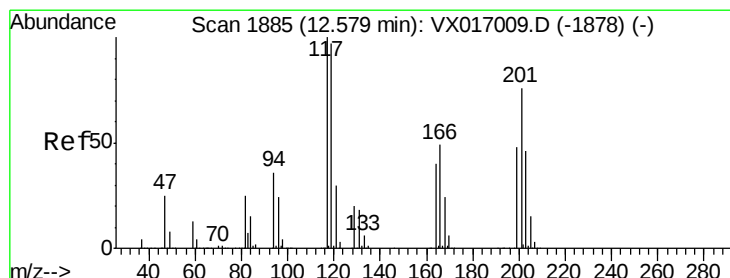
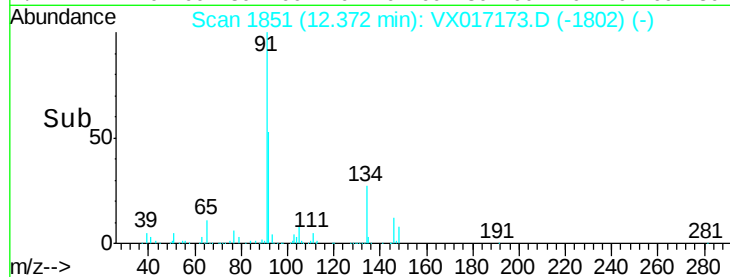
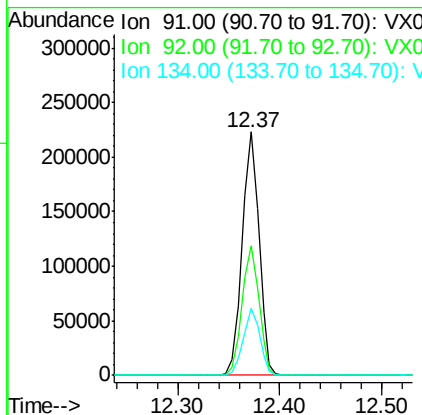
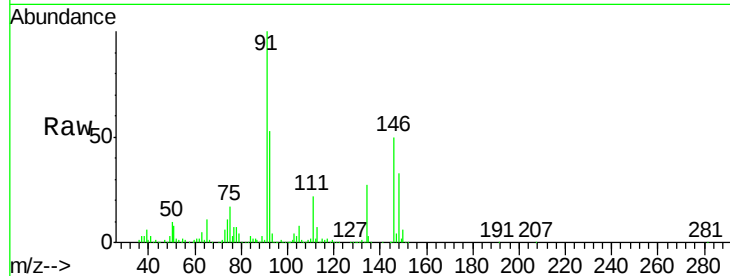
#89
n-Butylbenzene
Concen: 18.780 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.2	81.6
134	27.2	13.6	40.7

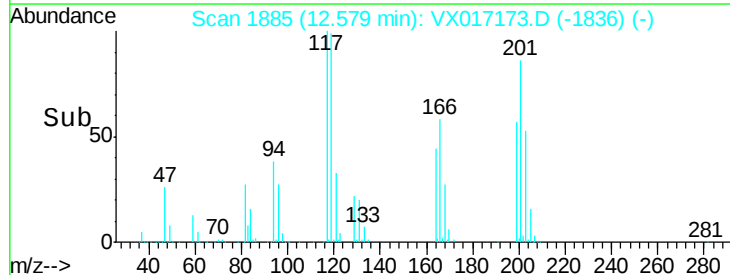
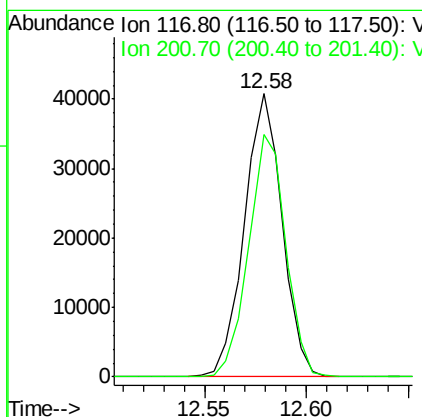
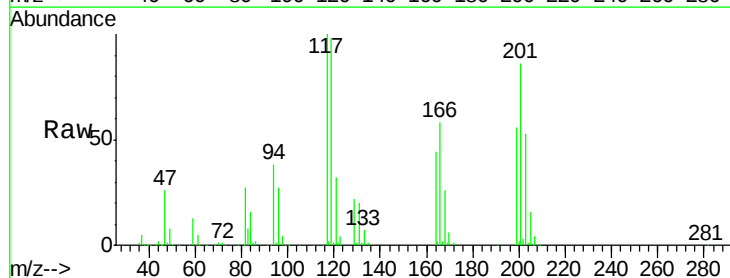
Manual Integrations
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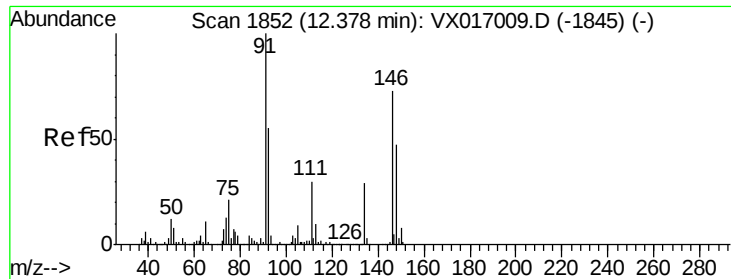
MMDadoda
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#90
Hexachloroethane
Concen: 17.541 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	39.4	118.2





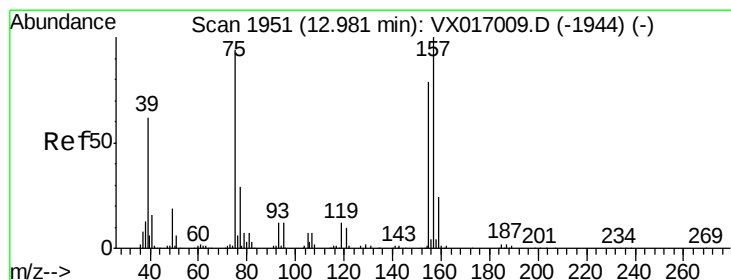
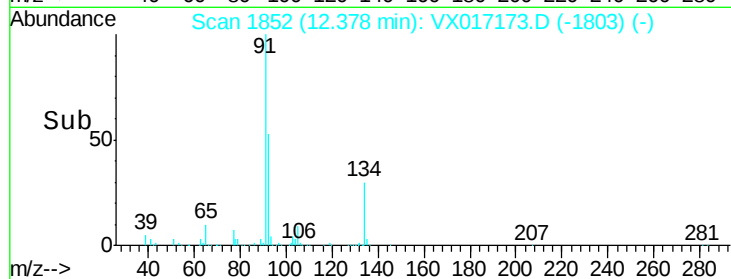
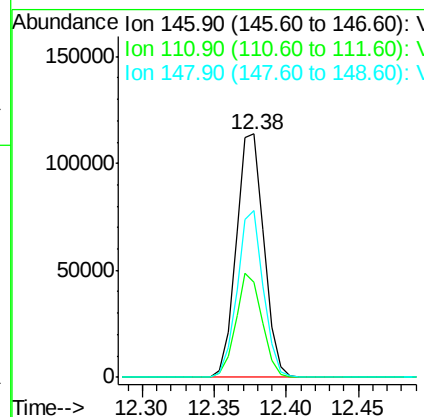
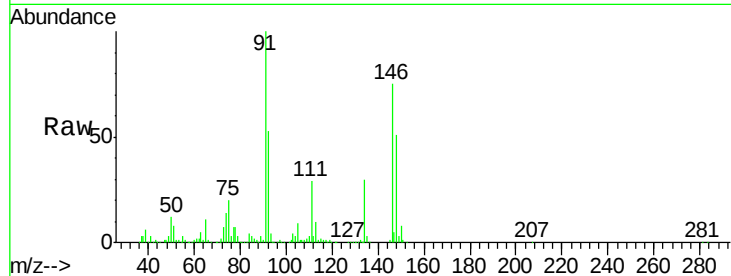
#91
 1,2-Dichlorobenzene
 Concen: 19.328 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	65.0	32.4	97.2

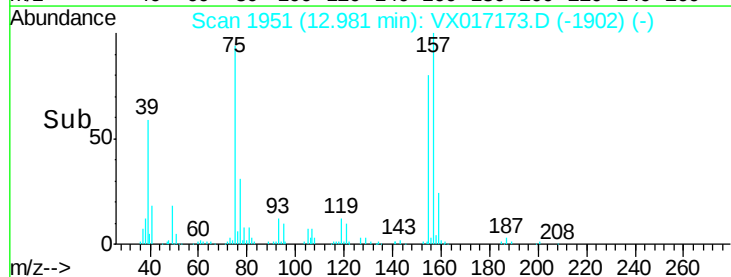
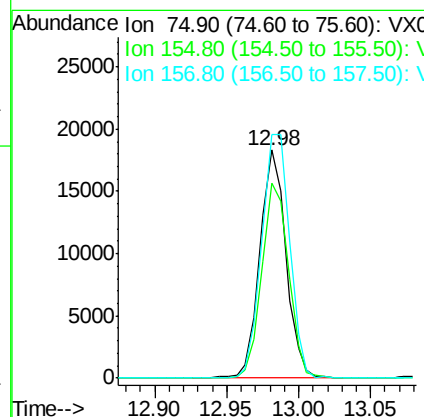
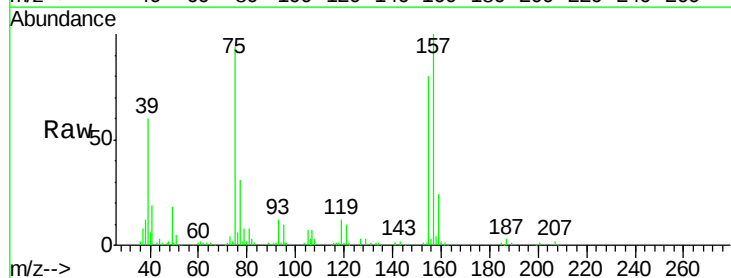
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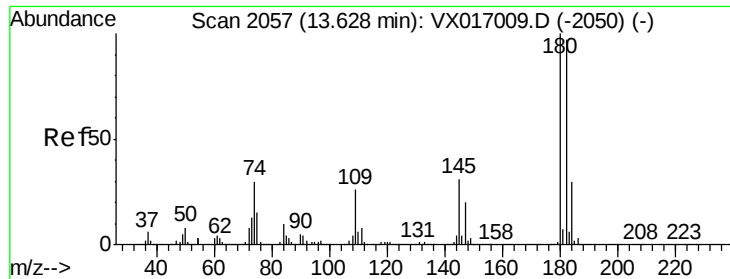
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.921 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017173.D
 Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	45.1	135.2
157	114.7	56.5	169.3





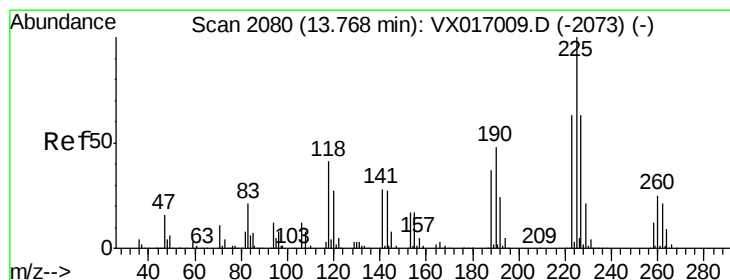
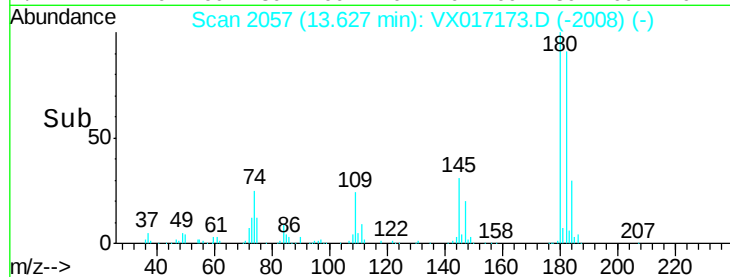
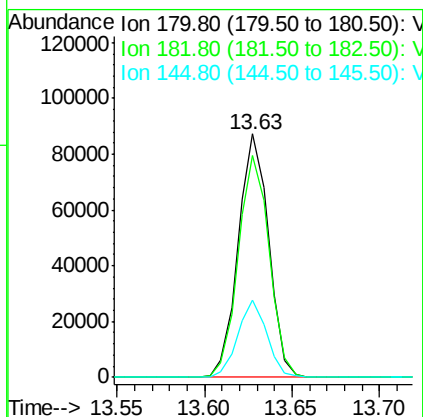
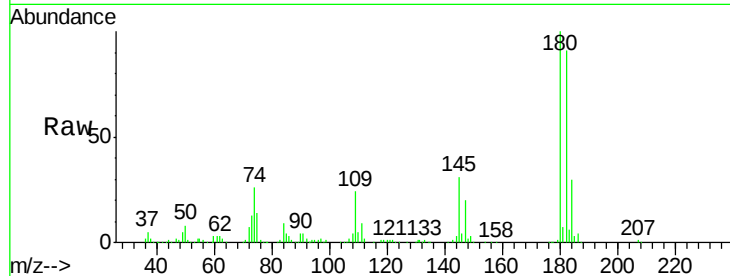
#93
1,2,4-Trichlorobenzene
Concen: 19.518 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105521		
182	92.4	47.3	141.9	
145	30.0	15.4	46.2	

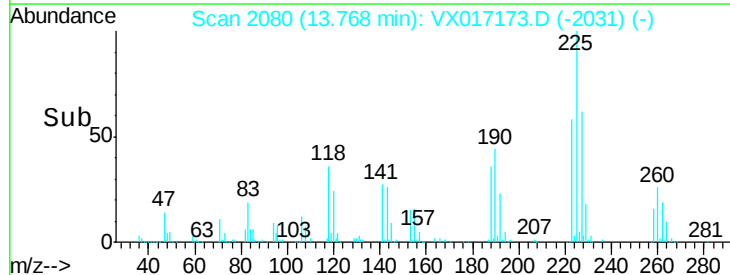
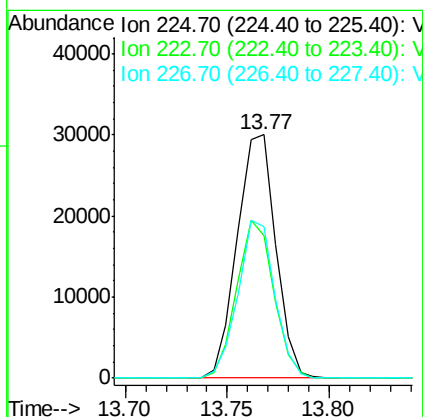
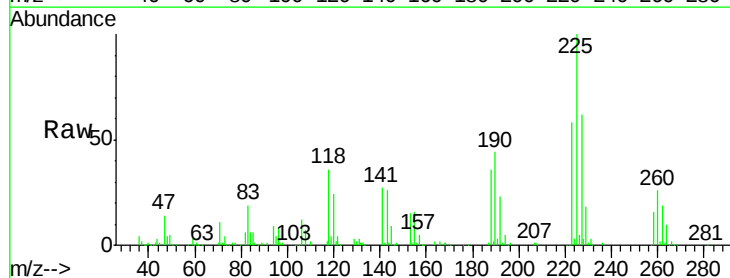
Manual Integrations
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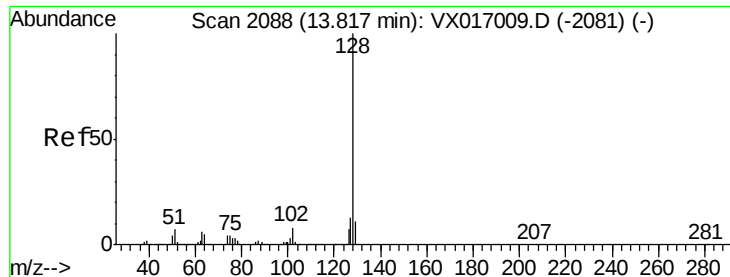
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#94
Hexachlorobutadiene
Concen: 19.798 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39558		
223	62.1	32.5	97.5	
227	61.6	33.1	99.2	





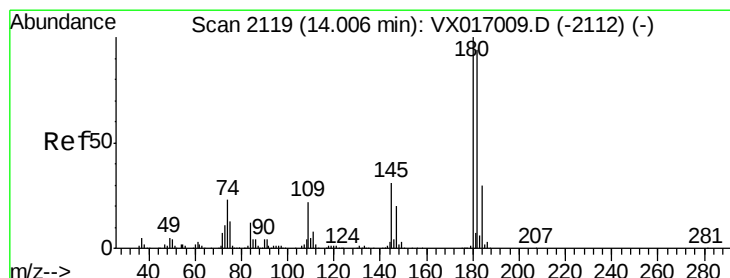
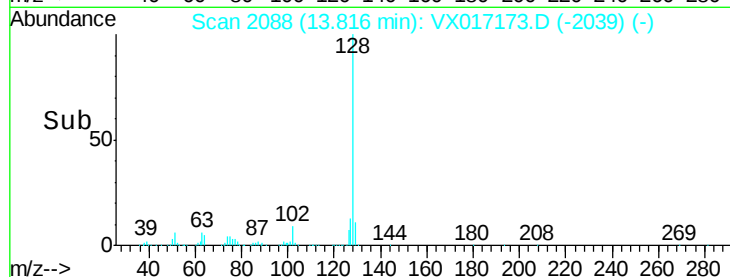
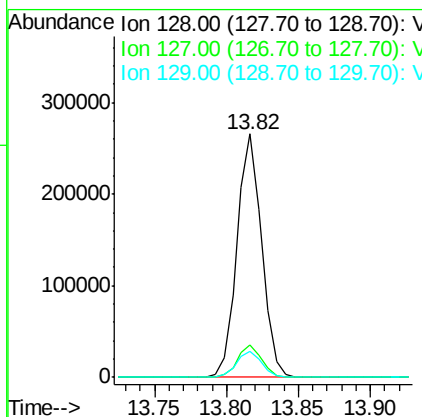
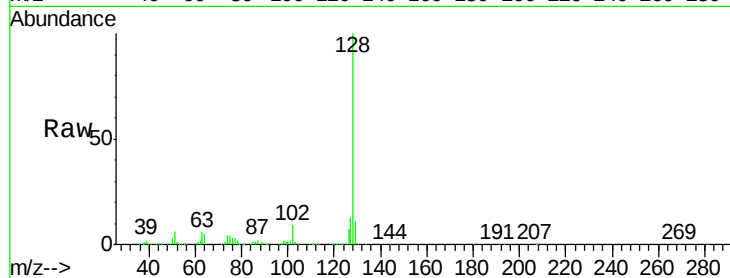
#95
Naphthalene
Concen: 19.334 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampled :
VX0706WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.789 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX017173.D
Acq: 06 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.4
145	32.2	16.6	49.7

