

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017010.D
 Acq On : 29 Jun 2020 15:43
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:13:34 AM

Quant Time: Jun 29 17:03:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 16:54:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	329686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	515672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	504882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	262944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	350658	86.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.56%	
35) Dibromofluoromethane	5.46	113	289233	88.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.34%	
50) Toluene-d8	8.70	98	1085901	90.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.06%	
62) 4-Bromofluorobenzene	11.12	95	439288	93.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	284061	89.061	ug/l	99
3) Chloromethane	1.31	50	327943	84.943	ug/l	100
4) Vinyl Chloride	1.39	62	303750	84.798	ug/l	98
5) Bromomethane	1.62	94	144017	76.099	ug/l	100
6) Chloroethane	1.70	64	177285	83.800	ug/l	95
7) Trichlorofluoromethane	1.91	101	451649	85.254	ug/l	99
8) Diethyl Ether	2.17	74	159961	82.711	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	269787	84.968	ug/l	99
10) Methyl Iodide	2.49	142	392327	95.758	ug/l	97
11) Tert butyl alcohol	3.03	59	348817	449.877	ug/l	99
12) 1,1-Dichloroethene	2.35	96	277123	84.961	ug/l	99
13) Acrolein	2.28	56	206826	446.230	ug/l	98
14) Allyl chloride	2.70	41	518513	86.017	ug/l	100
15) Acrylonitrile	3.12	53	818729	439.247	ug/l	100
16) Acetone	2.42	43	641415	421.861	ug/l	99
17) Carbon Disulfide	2.54	76	816780	81.756	ug/l	99
18) Methyl Acetate	2.75	43	341376	86.008	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	963510	88.014	ug/l	100
20) Methylene Chloride	2.83	84	313165	80.585	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	308787	85.306	ug/l	97
22) Diisopropyl ether	3.82	45	958604	85.920	ug/l	98
23) Vinyl Acetate	3.79	43	4349490	453.677	ug/l	99
24) 1,1-Dichloroethane	3.67	63	545012	85.853	ug/l	100
25) 2-Butanone	4.64	43	1108764	437.650	ug/l	100
26) 2,2-Dichloropropane	4.55	77	467865	83.005	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	349998	85.336	ug/l	100
28) Bromochloromethane	4.98	49	258810	83.780	ug/l	100
29) Tetrahydrofuran	5.09	42	740050	442.110	ug/l	99
30) Chloroform	5.18	83	555196	85.315	ug/l	99
31) Cyclohexane	5.55	56	489474	89.202	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	511166	85.291	ug/l	99
36) 1,1-Dichloropropene	5.77	75	424159	87.030	ug/l	99
37) Ethyl Acetate	4.79	43	440507	89.082	ug/l	100
38) Carbon Tetrachloride	5.75	117	467566	87.102	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	501697	92.519	ug/l	98
40) Benzene	6.11	78	1257759	87.833	ug/l	99
41) Methacrylonitrile	5.01	41	249777	89.747	ug/l	97
42) 1,2-Dichloroethane	6.17	62	452590	87.501	ug/l	100
43) Isopropyl Acetate	6.42	43	748855	91.134	ug/l	100
44) Trichloroethene	7.19	130	359036	83.243	ug/l	99
45) 1,2-Dichloropropane	7.49	63	323816	88.043	ug/l	100
46) Dibromomethane	7.63	93	220760	87.917	ug/l	98
47) Bromodichloromethane	7.88	83	462021	89.284	ug/l	97
48) Methyl methacrylate	7.74	41	369760	94.716	ug/l	99
49) 1,4-Dioxane	7.71	88	161907	1830.675	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	2297127	468.977	ug/l	100
52) Toluene	8.77	92	802705	89.783	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	531059	93.014	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	552420	90.258	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	328321	89.881	ug/l	98
56) Ethyl methacrylate	9.16	69	519812	99.980	ug/l	99
57) 1,3-Dichloropropane	9.35	76	542690	87.800	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	1285755	496.895	ug/l	100
59) 2-Hexanone	9.48	43	1720186	480.862	ug/l	99
60) Dibromochloromethane	9.57	129	393183	92.675	ug/l	99
61) 1,2-Dibromoethane	9.65	107	355346	90.502	ug/l	99
64) Tetrachloroethene	9.32	164	336131	82.492	ug/l	98
65) Chlorobenzene	10.12	112	896407	86.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	350208	87.205	ug/l	99
67) Ethyl Benzene	10.24	91	1585354	91.100	ug/l	98
68) m/p-Xylenes	10.34	106	1213121	181.553	ug/l	99
69) o-Xylene	10.68	106	587633	92.446	ug/l	100
70) Styrene	10.70	104	1039095	95.995	ug/l	100
71) Bromoform	10.84	173	303353	95.257	ug/l	100
73) Isopropylbenzene	11.00	105	1584699	92.010	ug/l	100
74) N-amyl acetate	10.88	43	701815	95.498	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	466883	86.178	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	447809m	69.154	ug/l	
77) Bromobenzene	11.24	156	414204	87.504	ug/l	100
78) n-propylbenzene	11.34	91	1821687	93.533	ug/l	100
79) 2-Chlorotoluene	11.40	91	1080579	91.672	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1346667	94.264	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	183789	92.048	ug/l	98
82) 4-Chlorotoluene	11.49	91	1279324	90.790	ug/l	100
83) tert-Butylbenzene	11.76	119	1310444	93.443	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1393190	96.126	ug/l	100
85) sec-Butylbenzene	11.93	105	1566555	95.030	ug/l	100
86) p-Isopropyltoluene	12.05	119	1454687	94.792	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	733794	85.354	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	737377	85.284	ug/l	99
89) n-Butylbenzene	12.37	91	1278315	93.290	ug/l	100
90) Hexachloroethane	12.58	117	275090	90.900	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	695743	86.578	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	112699	87.201	ug/l	98

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MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Jun 29 16:54:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	492460	89.784	ug/l	99
94) Hexachlorobutadiene	13.77	225	192198	86.636	ug/l	96
95) Naphthalene	13.82	128	1605517	96.282	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	489523	92.221	ug/l	99

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

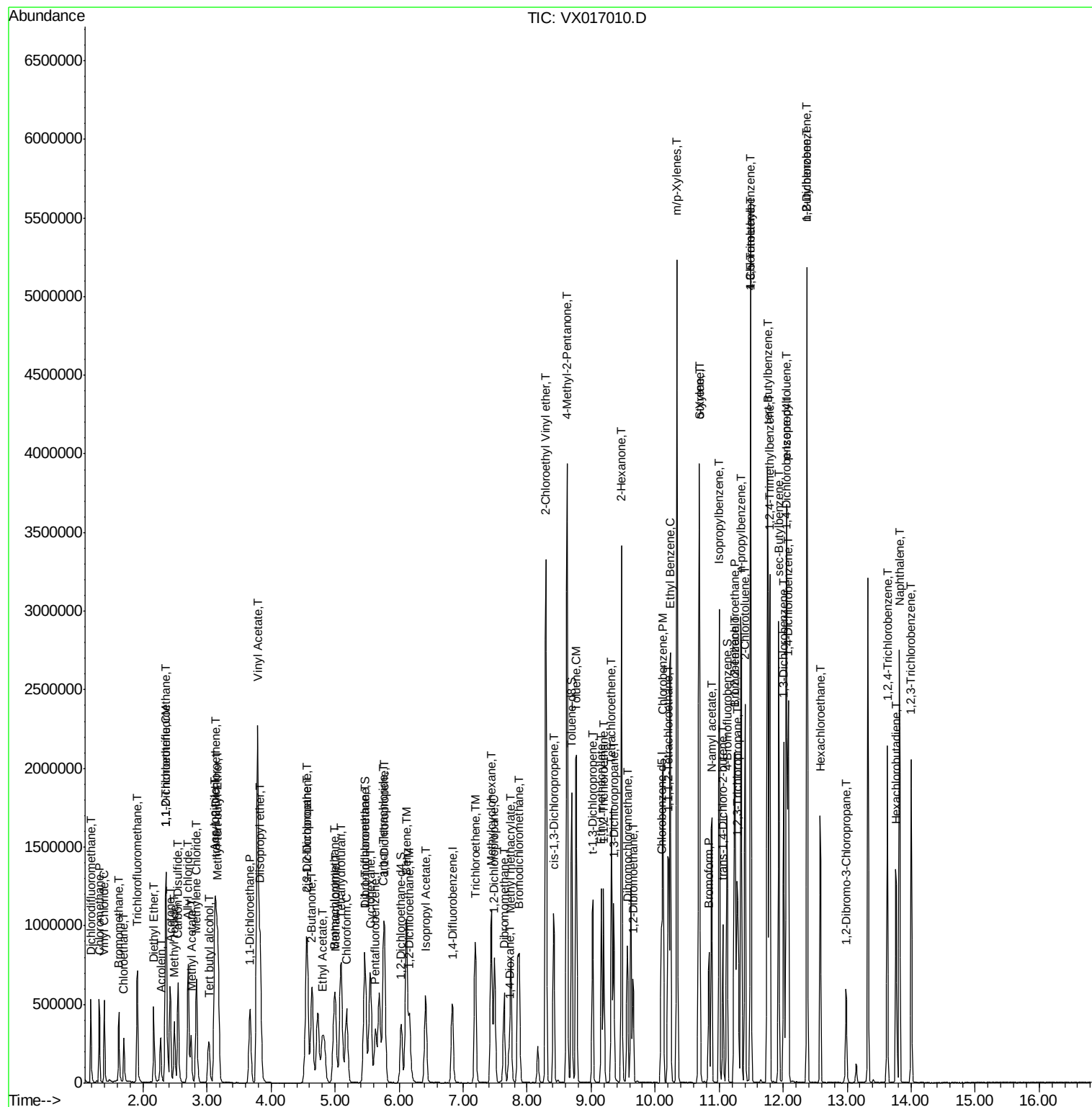
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 Data File : VX017010.D
 Acd On : 29 Jun 2020 15:43
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

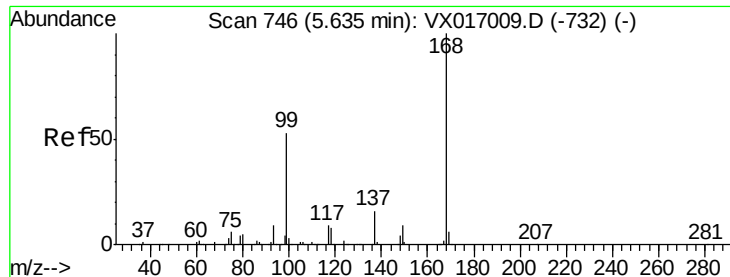
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 329686

Ion Ratio Lower Upper

168 100

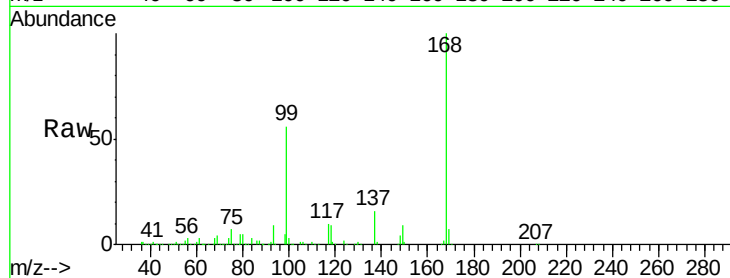
99 55.7 42.6 64.0

Manual Integrations

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6/30/2020 10:13:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

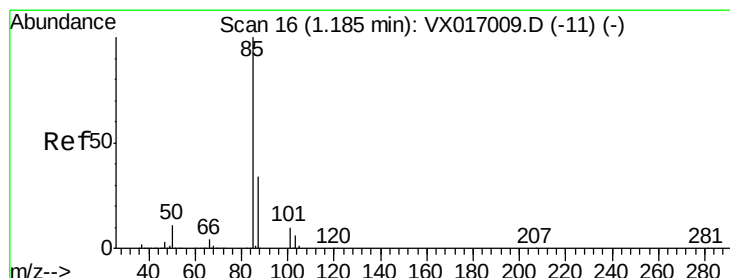
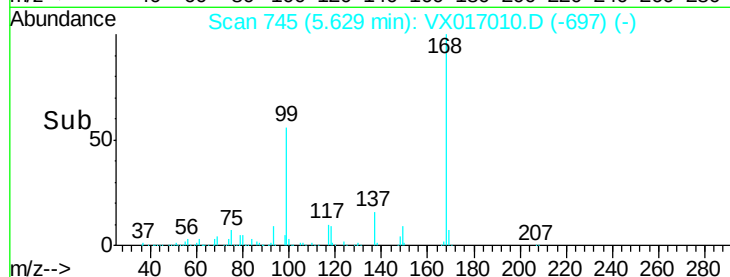
5.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 89.061 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017010.D

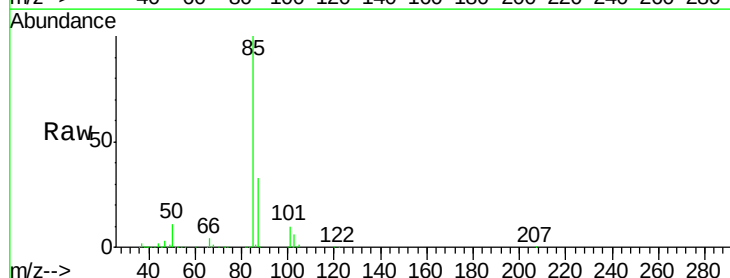
Acq: 29 Jun 2020 15:43

Tgt Ion: 85 Resp: 284061

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

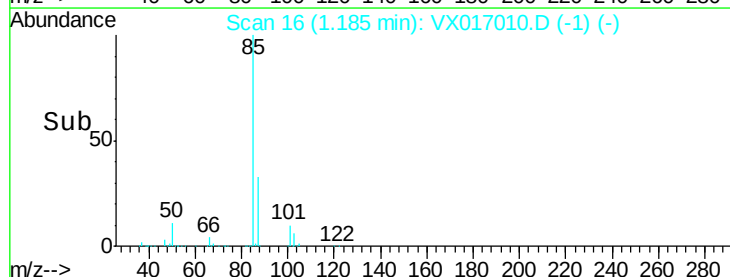
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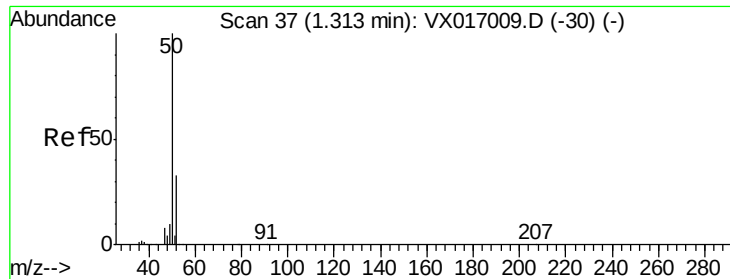
200000

100000

0

Time-->





#3

Chloromethane

Concen: 84.943 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 327943

Ion Ratio Lower Upper

50 100

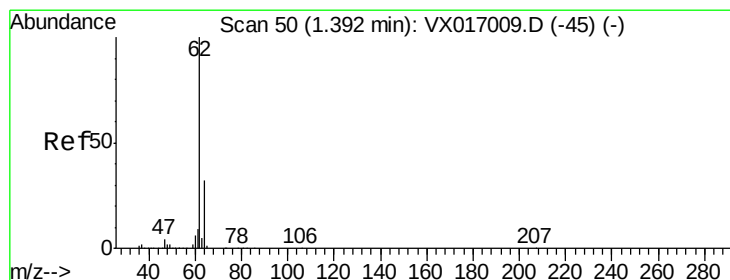
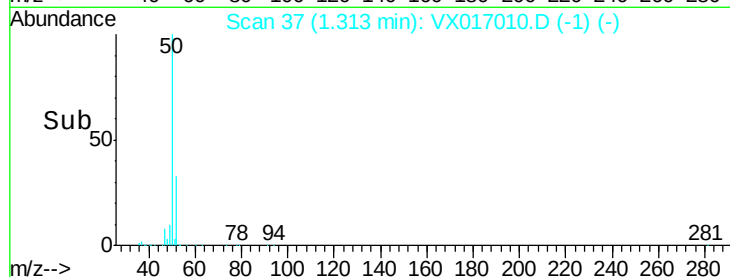
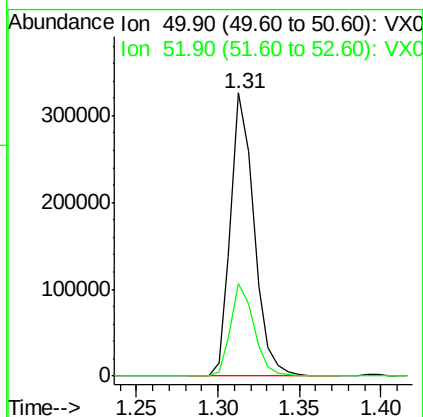
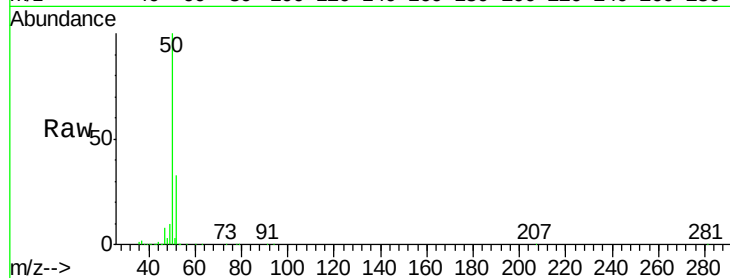
52 32.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 84.798 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017010.D

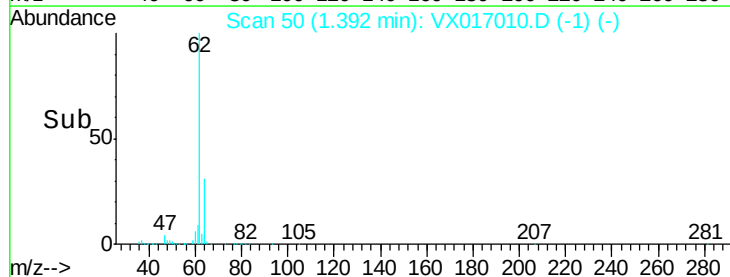
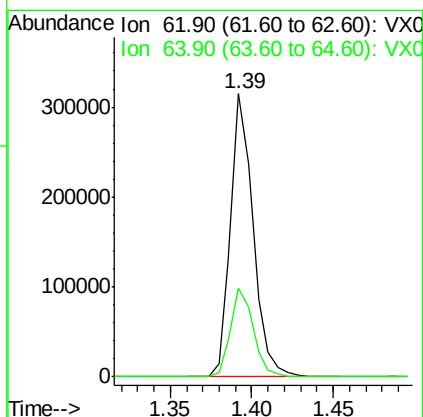
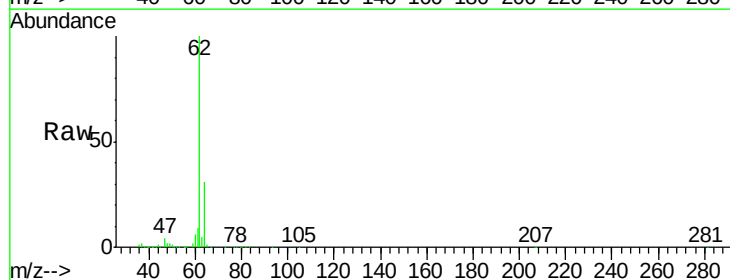
Acq: 29 Jun 2020 15:43

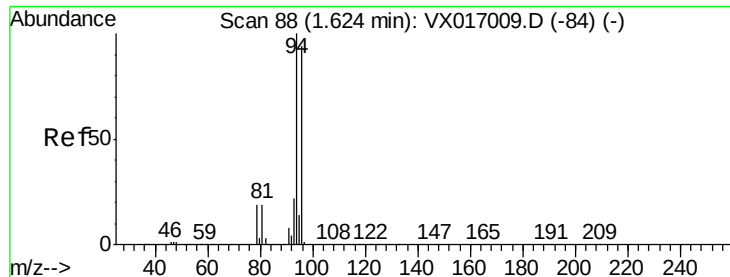
Tgt Ion: 62 Resp: 303750

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 76.099 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 144017

Ion Ratio Lower Upper

94 100

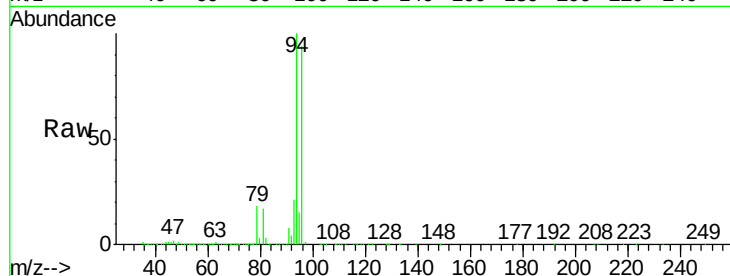
96 93.7 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

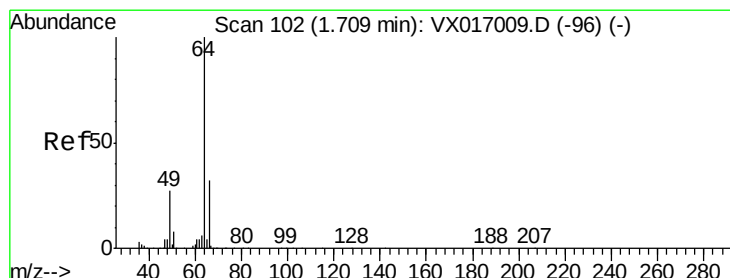
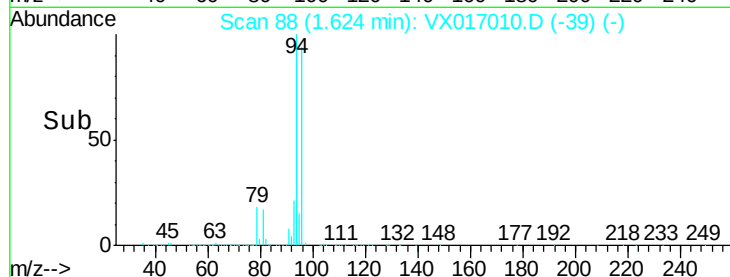
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 83.800 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX017010.D

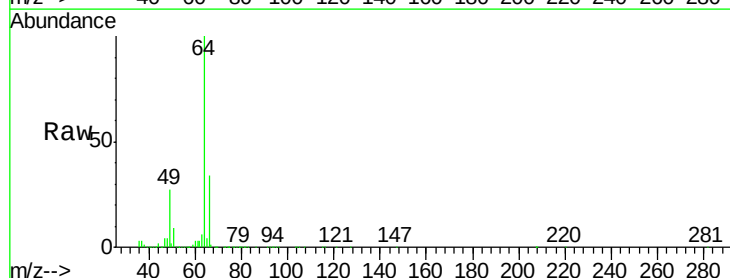
Acq: 29 Jun 2020 15:43

Tgt Ion: 64 Resp: 177285

Ion Ratio Lower Upper

64 100

66 34.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

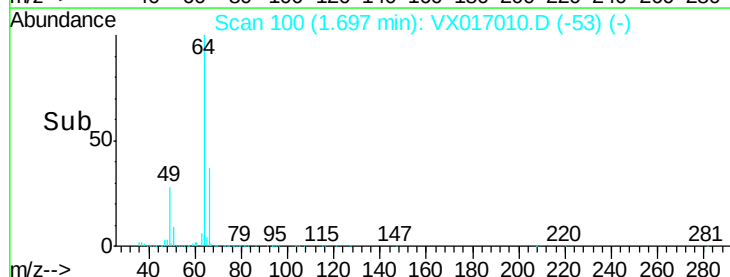
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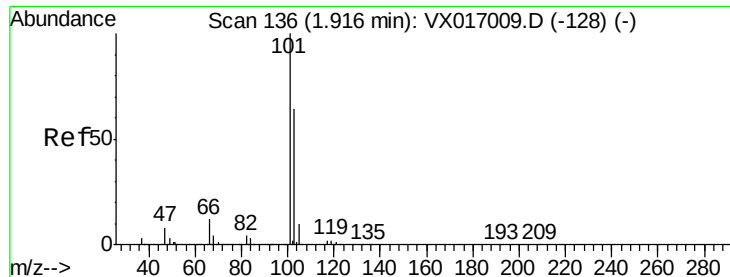
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50000

0

Time--> 1.60 1.70 1.80





#7

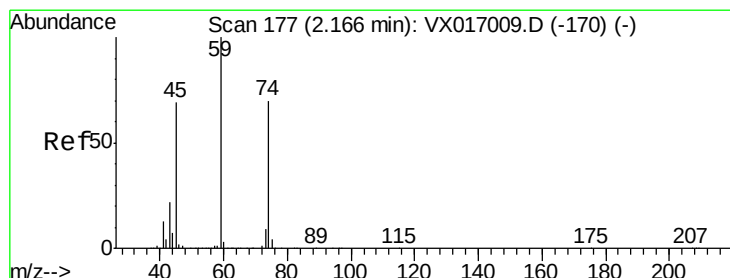
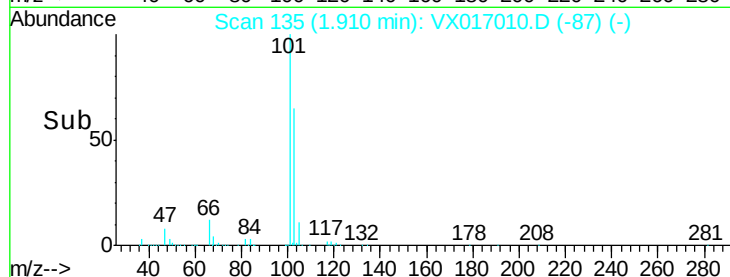
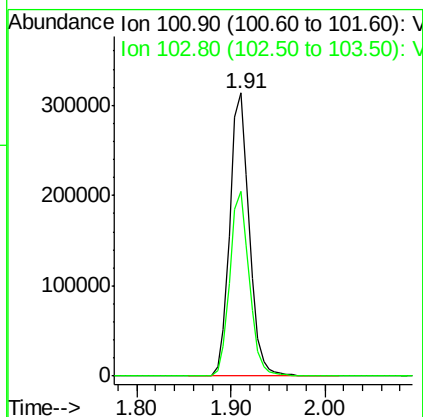
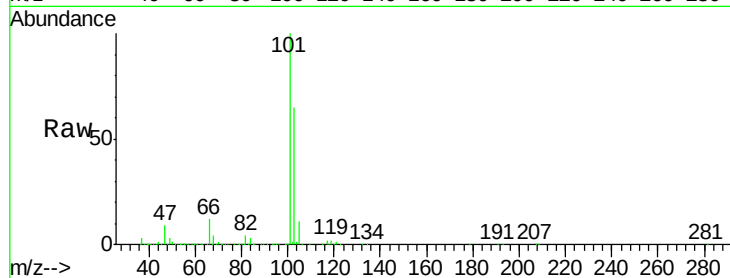
Trichlorofluoromethane
Concen: 85.254 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.5	77.3

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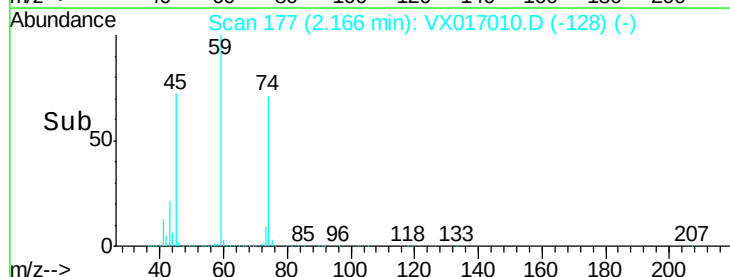
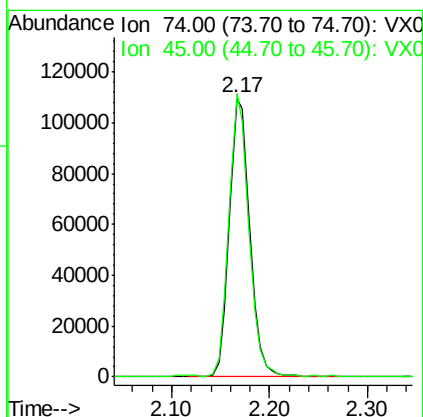
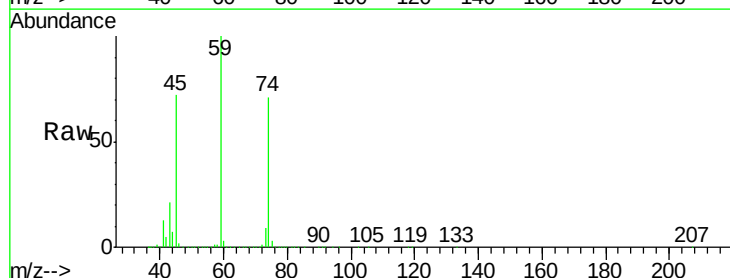
MMDadoda
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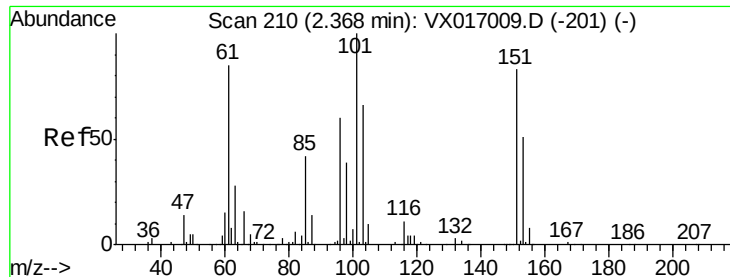


#8

Diethyl Ether
Concen: 82.711 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 84.968 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

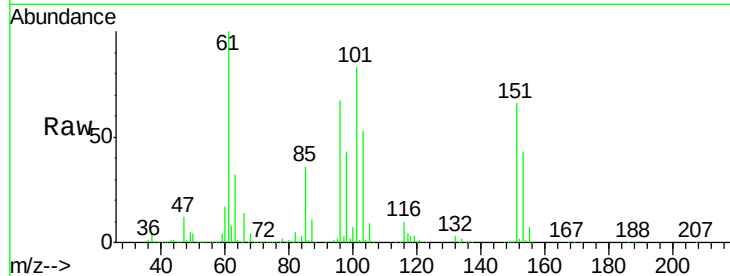
ClientSampleId :

VSTDIC100

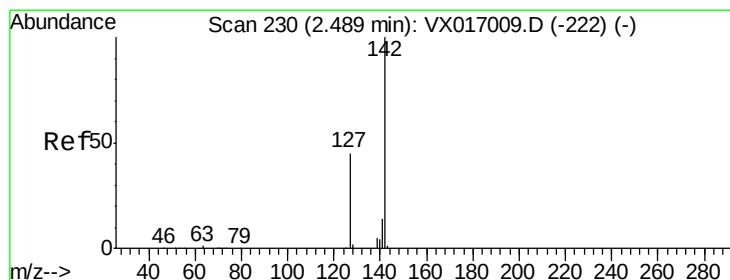
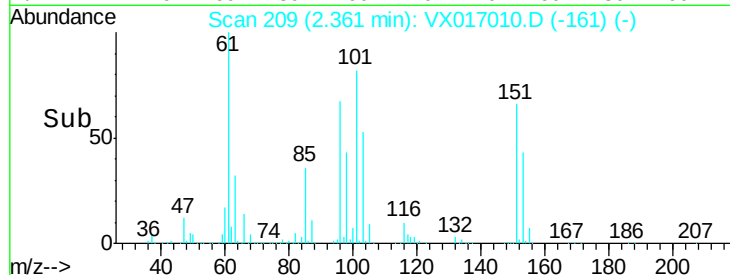
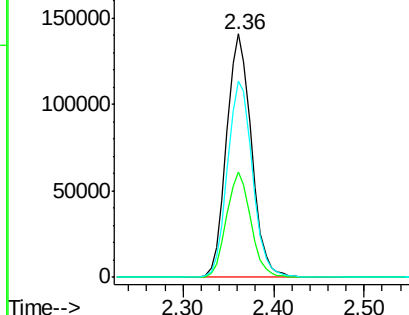
Tot Ion:	101	Resp:	269787
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.5	50.3
151	81.1	63.8	95.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 95.758 ug/l

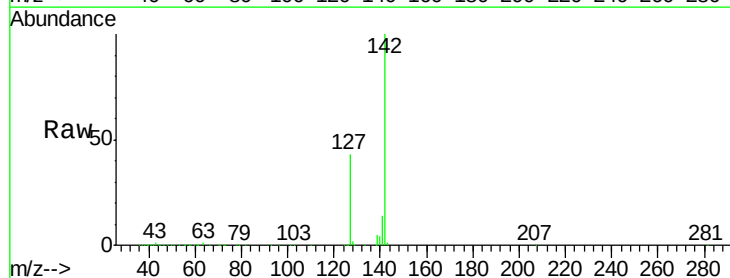
RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

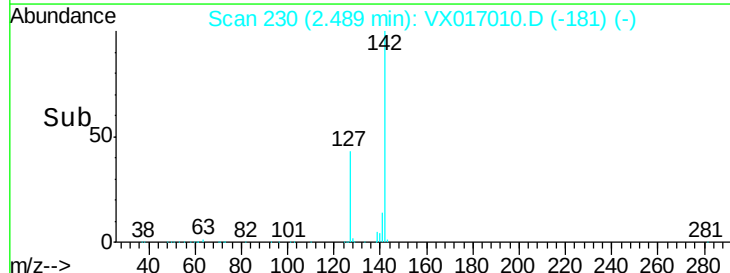
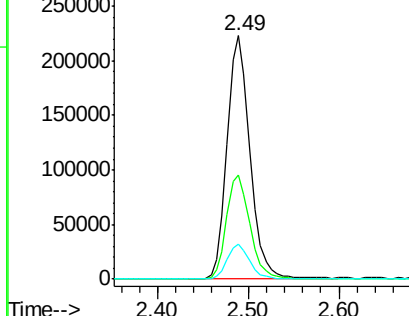
Lab File: VX017010.D

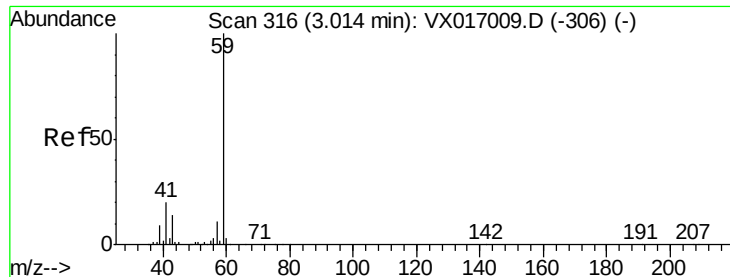
Acq: 29 Jun 2020 15:43

Tgt Ion:	142	Resp:	392327
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.6	54.8
141	14.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

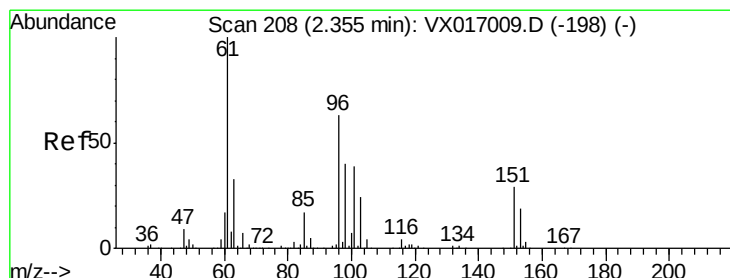
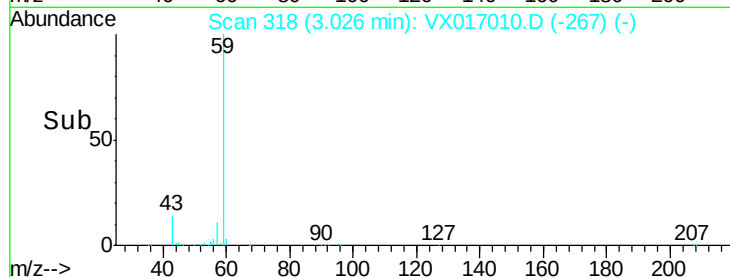
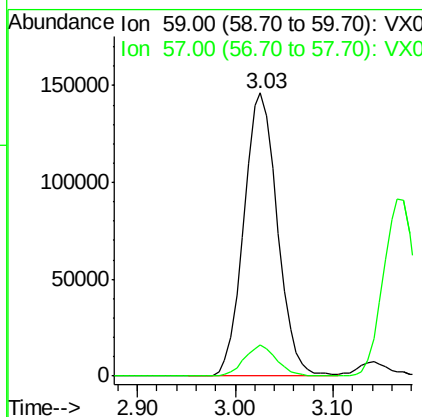
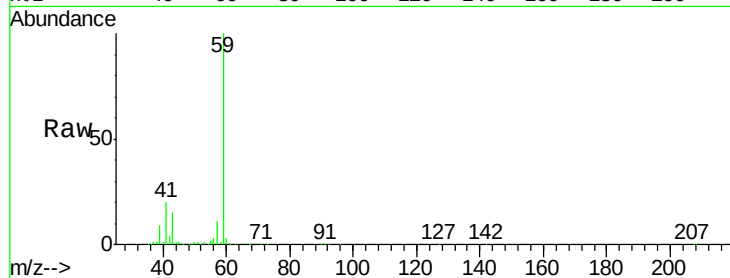
Tert butyl alcohol
Concen: 449.877 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

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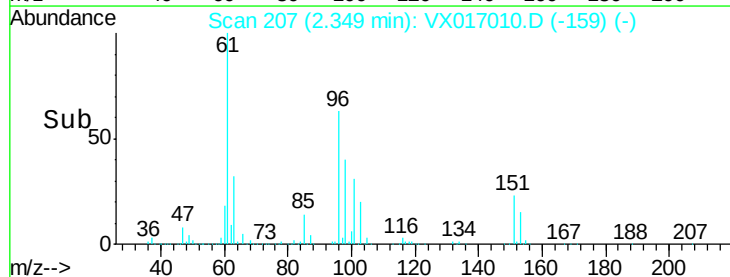
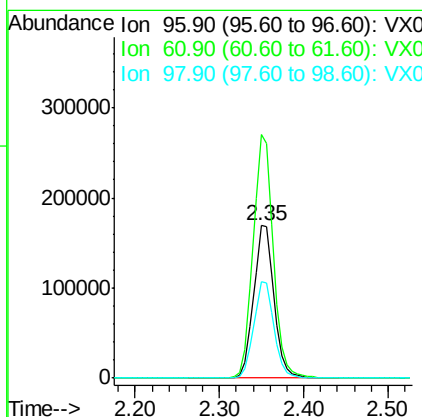
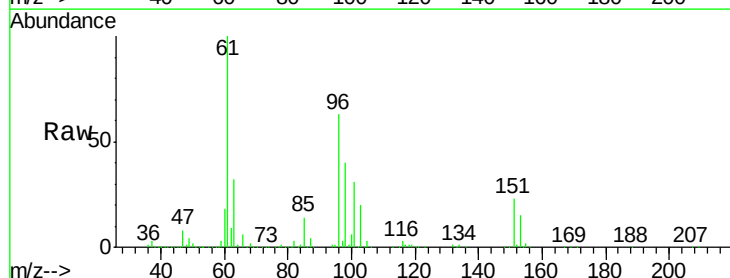
MMDadoda
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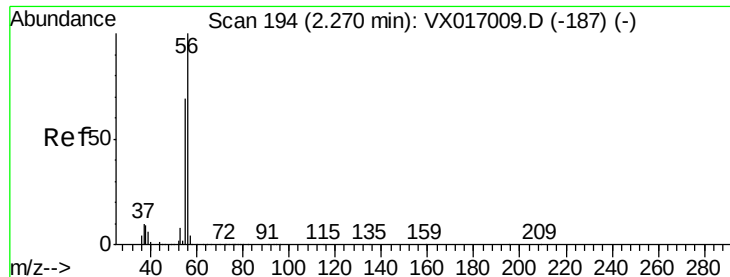


#12

1,1-Dichloroethene
Concen: 84.961 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	126.3	189.5
98	63.6	51.0	76.6





#13

Acrolein

Concen: 446.230 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 206826

Ion Ratio Lower Upper

56 100

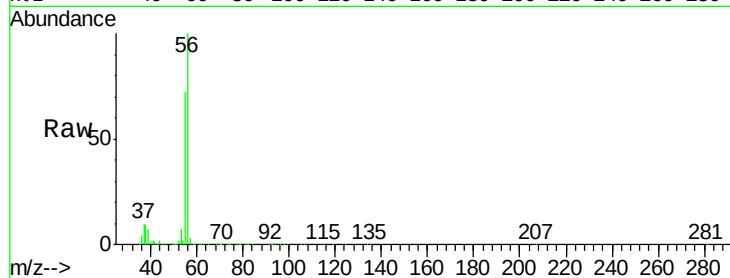
55 71.1 55.7 83.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150000

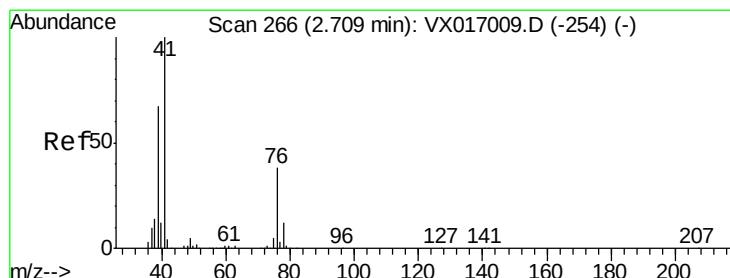
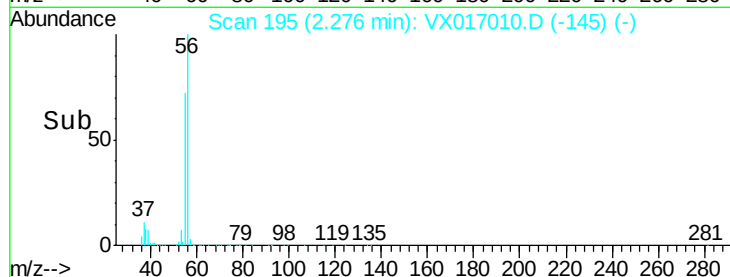
100000

50000

0

2.20 2.30 2.40

Time-->



#14

Allyl chloride

Concen: 86.017 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

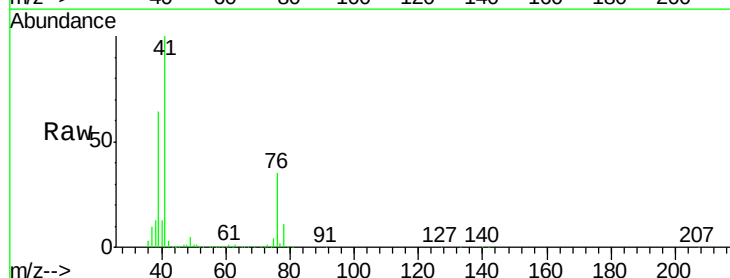
Tgt Ion: 41 Resp: 518513

Ion Ratio Lower Upper

41 100

39 61.7 49.4 74.2

76 33.1 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

600000

500000

400000

300000

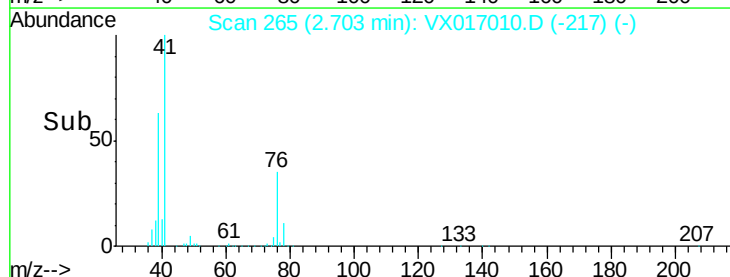
200000

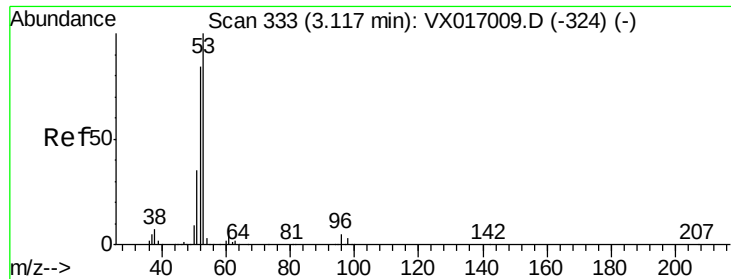
100000

0

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 439.247 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

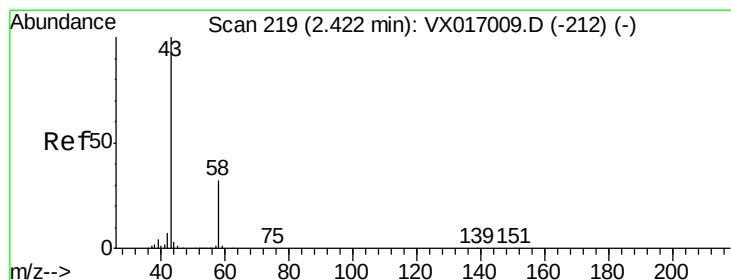
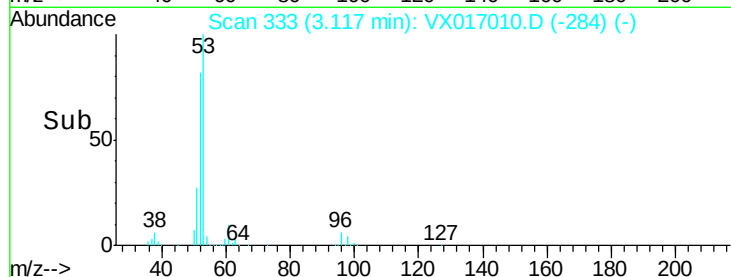
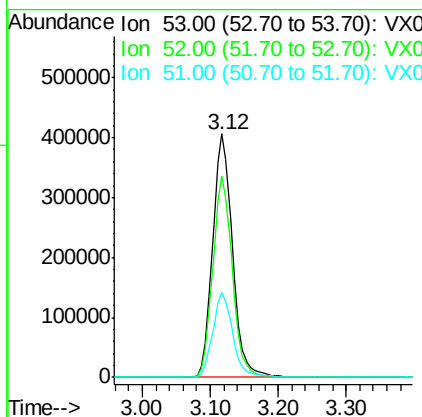
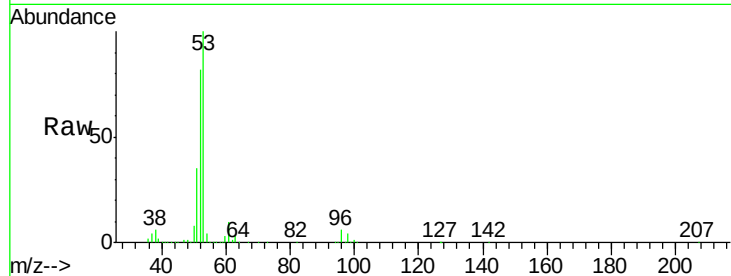
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	818729
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.6	98.4
51	35.2	28.3	42.5

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#16

Acetone

Concen: 421.861 ug/l

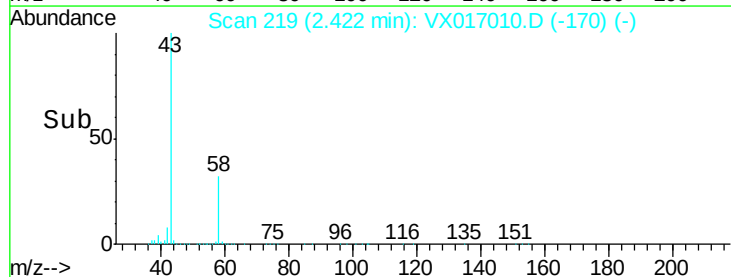
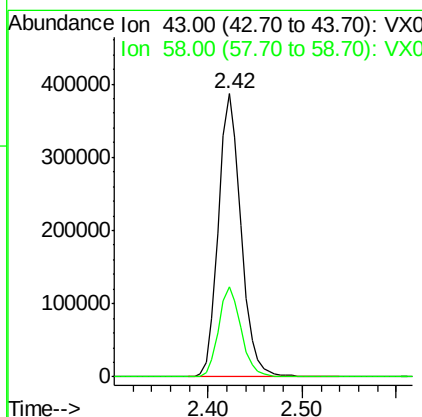
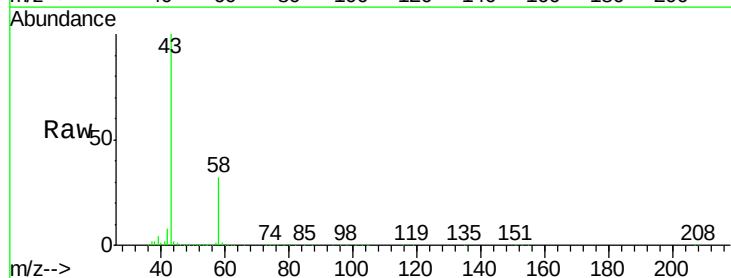
RT: 2.42 min Scan# 219

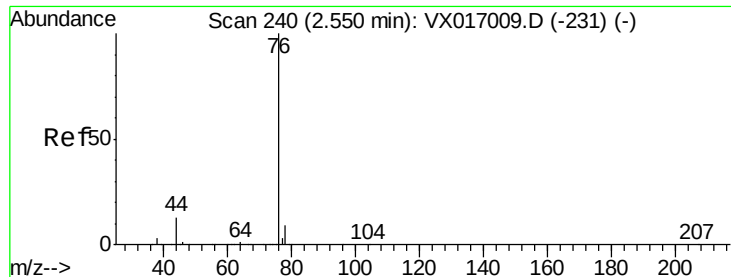
Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tgt Ion:	43	Resp:	641415
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.7	38.5





#17

Carbon Disulfide

Concen: 81.756 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 816780

Ion Ratio Lower Upper

76 100

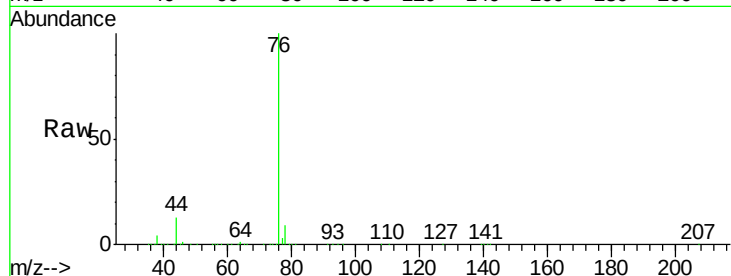
78 8.8 7.2 10.8

Manual Integrations

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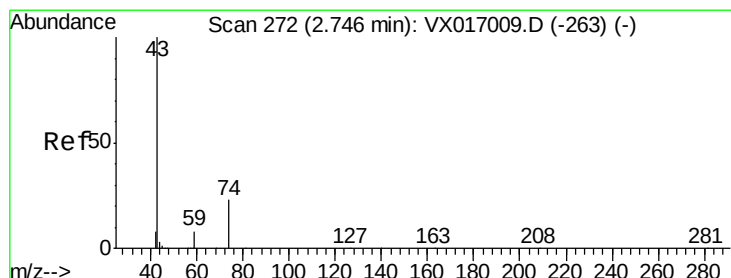
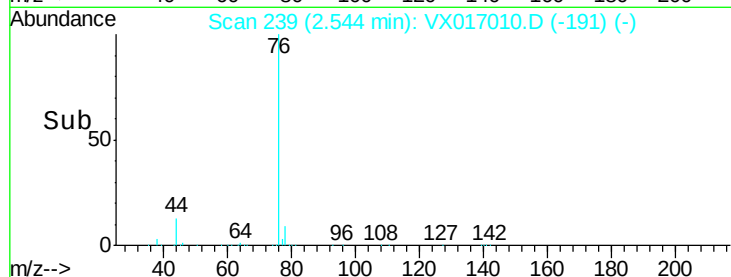
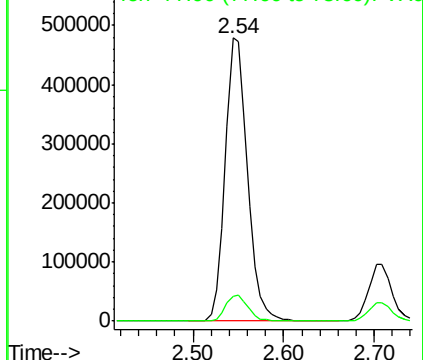
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 86.008 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017010.D

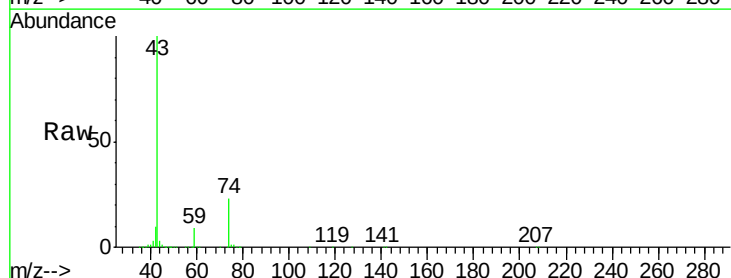
Acq: 29 Jun 2020 15:43

Tgt Ion: 43 Resp: 341376

Ion Ratio Lower Upper

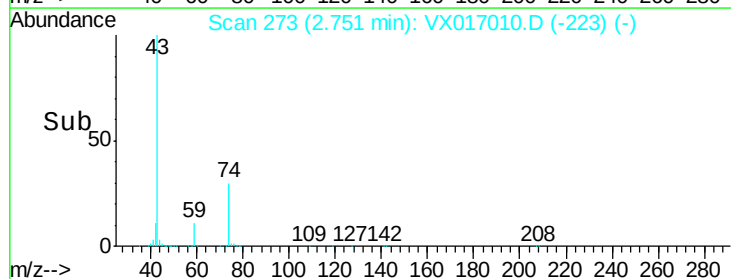
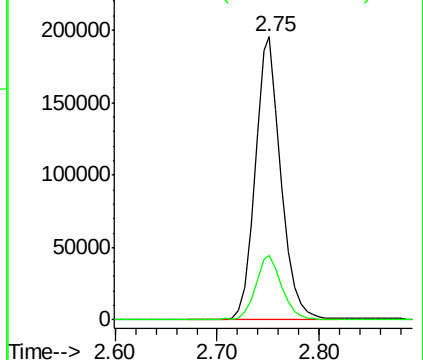
43 100

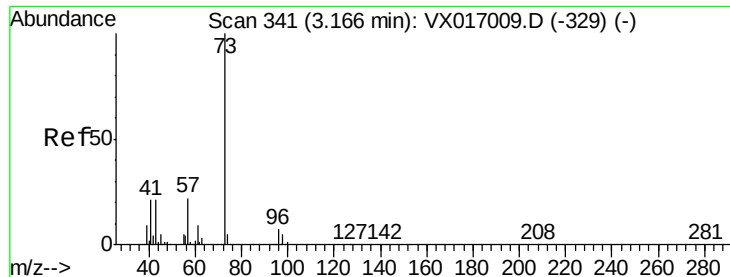
74 23.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





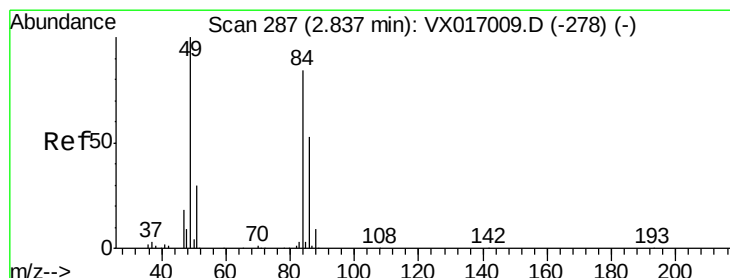
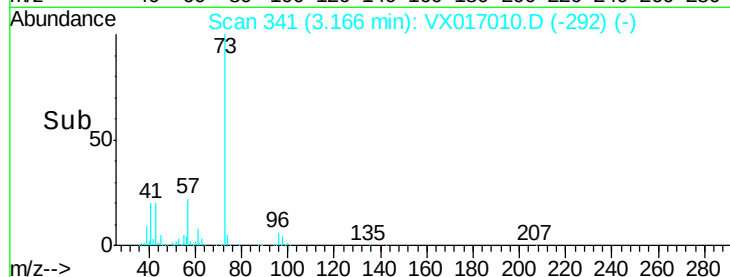
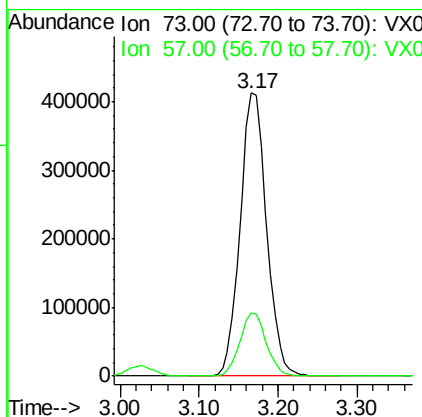
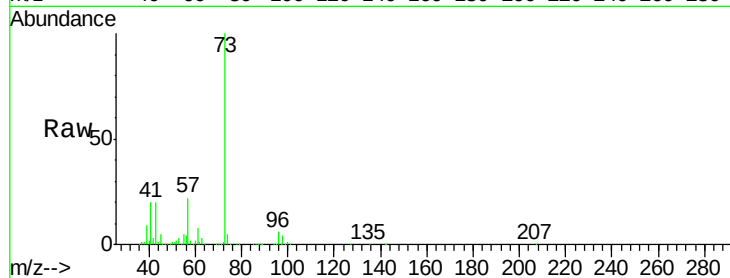
#19
Methyl tert-butyl Ether
Concen: 88.014 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.6	26.4

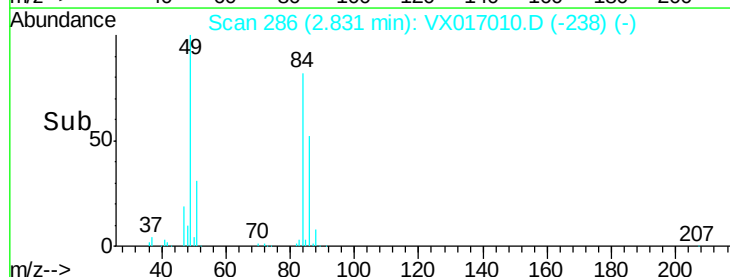
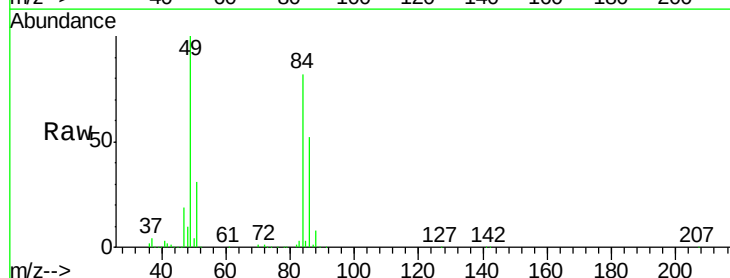
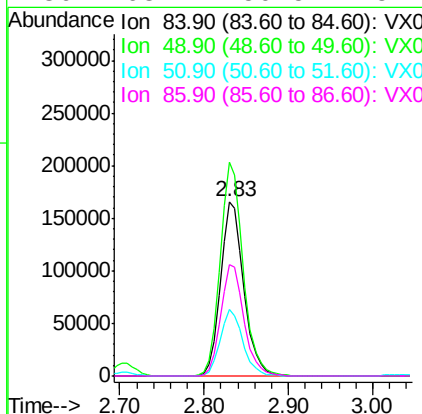
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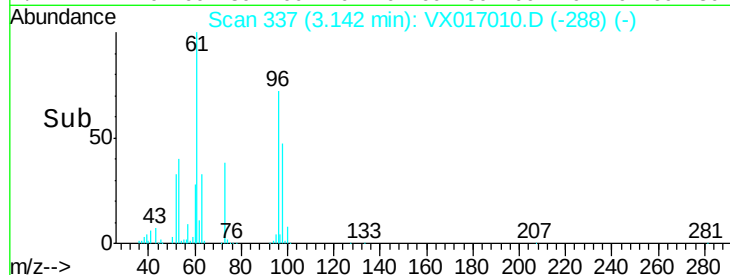
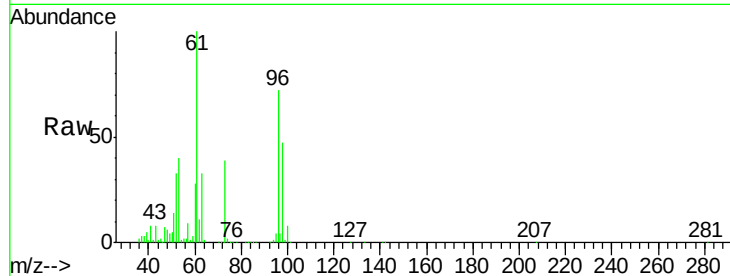
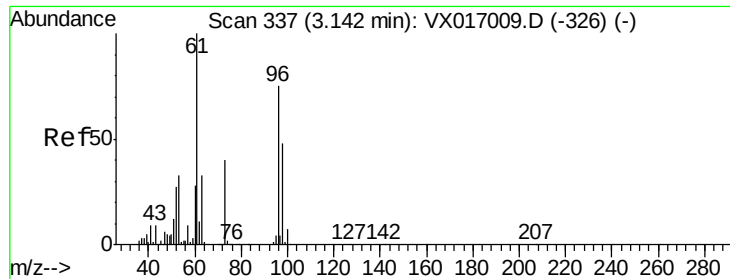
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#20
Methylene Chloride
Concen: 80.585 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	94.7	142.1
51	37.8	28.6	42.8
86	63.7	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 85.306 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tot Ion:	96	Resp:	308787
Ion	Ratio	Lower	Upper
96	100		
61	138.8	107.0	160.6
98	65.0	51.6	77.4

Instrument :

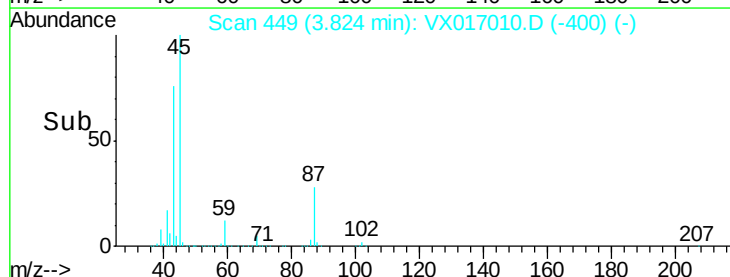
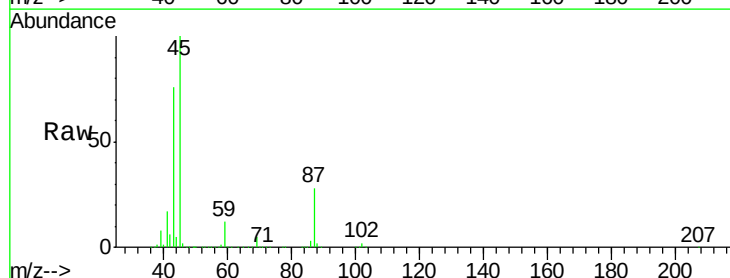
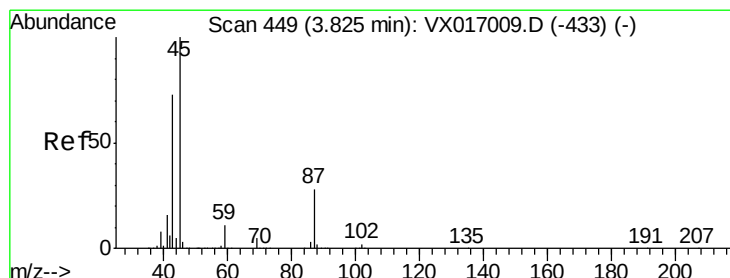
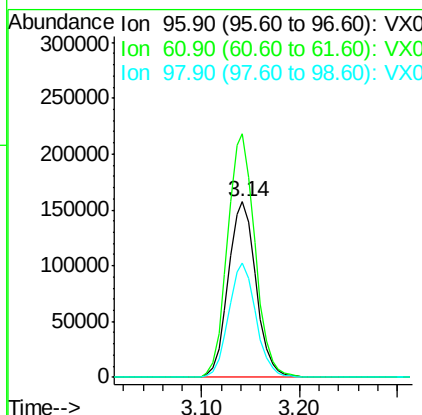
MSVOA_X

ClientSampleId :

VSTDIC100

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#22

Diisopropyl ether

Concen: 85.920 ug/l

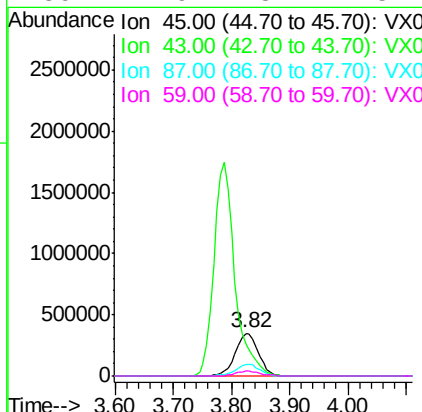
RT: 3.82 min Scan# 449

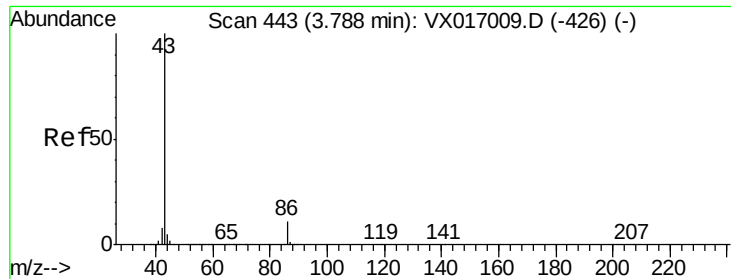
Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tgt Ion:	45	Resp:	958604
Ion	Ratio	Lower	Upper
45	100		
43	75.5	58.6	88.0
87	27.7	22.6	34.0
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 453.677 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4349490

Ion Ratio Lower Upper

43 100

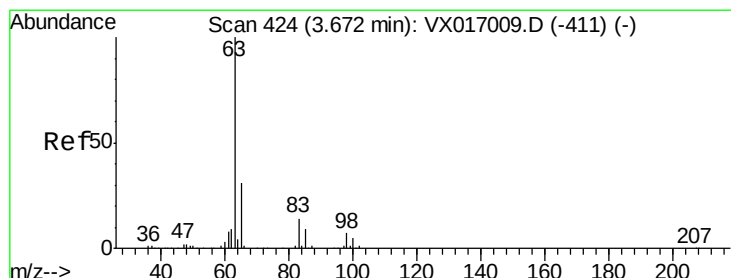
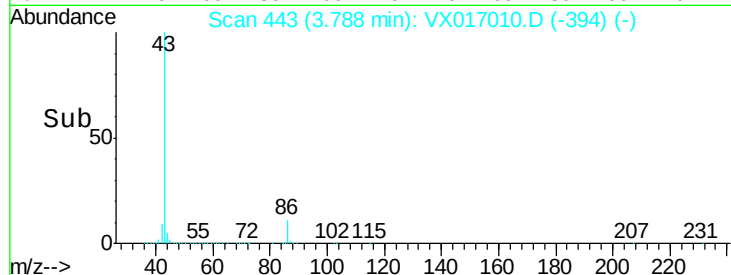
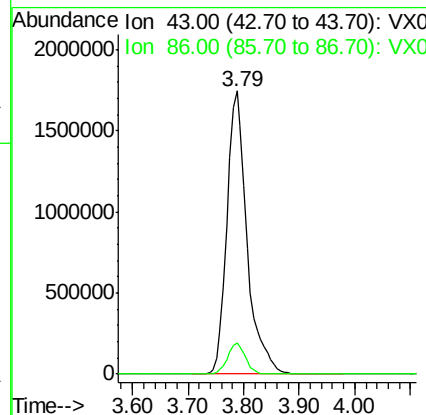
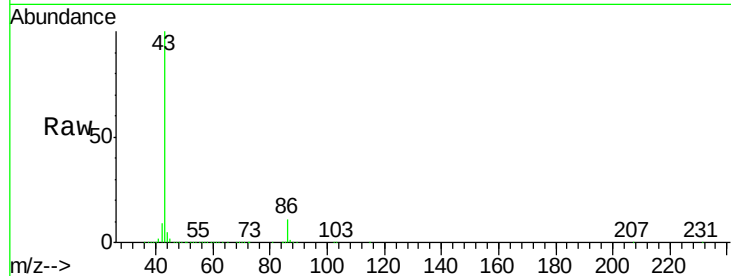
86 11.0 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 85.853 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

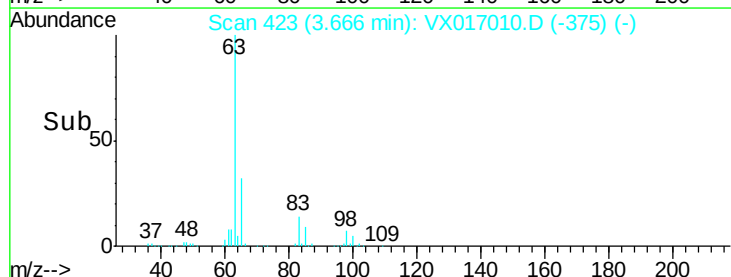
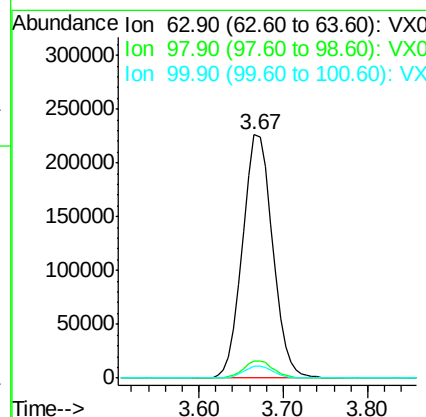
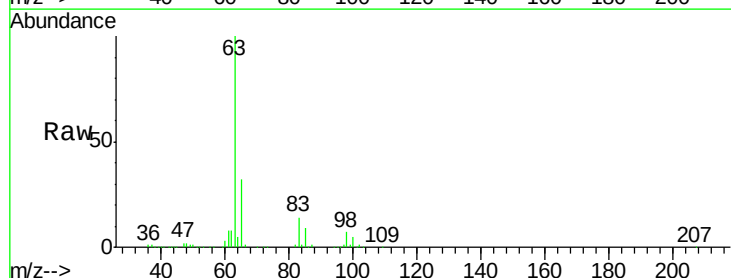
Tgt Ion: 63 Resp: 545012

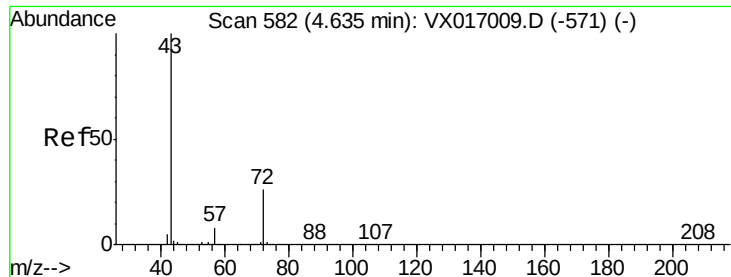
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 437.650 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1108764

Ion Ratio Lower Upper

43 100

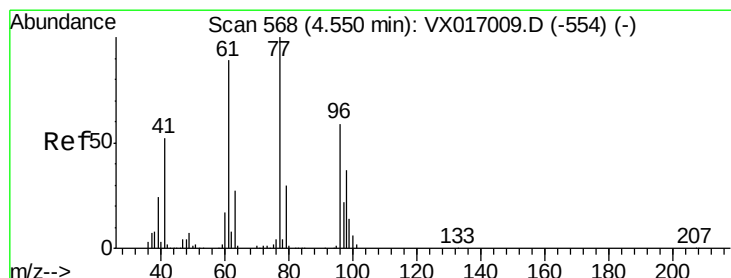
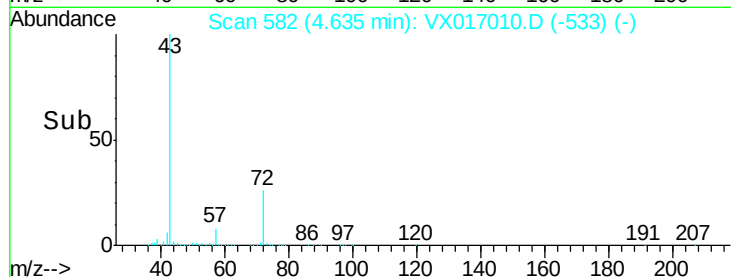
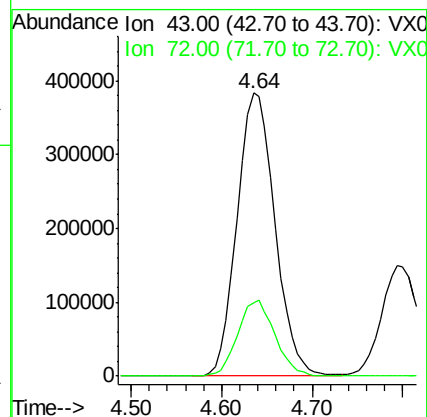
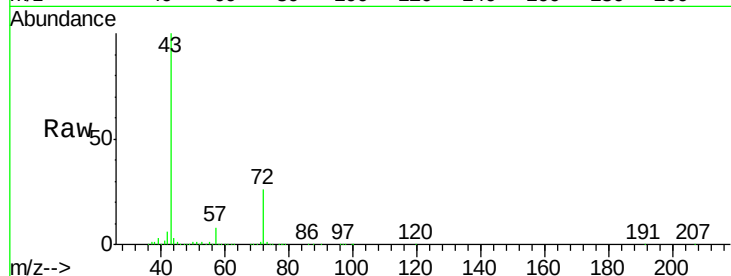
72 26.1 20.8 31.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 83.005 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX017010.D

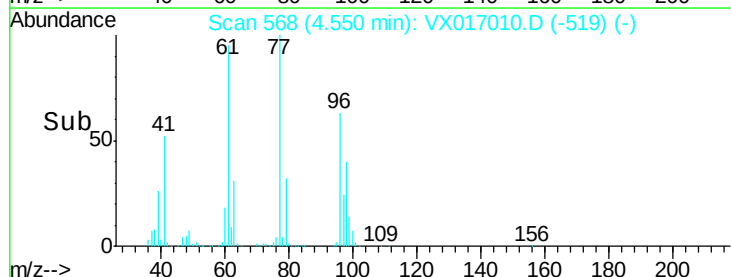
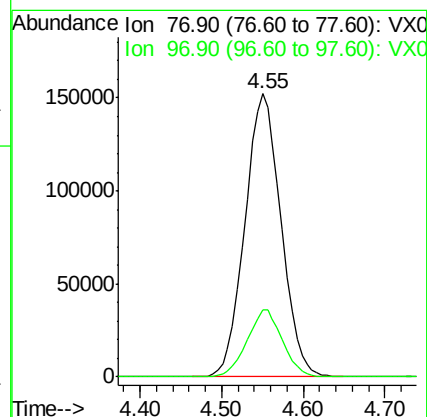
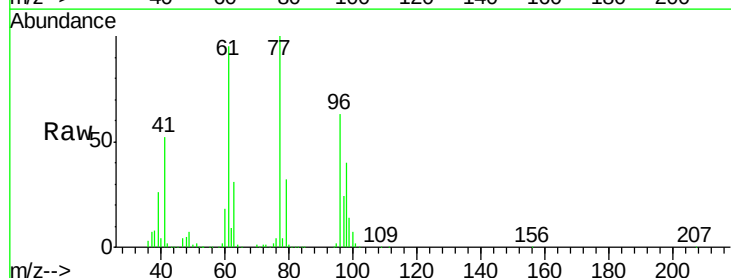
Acq: 29 Jun 2020 15:43

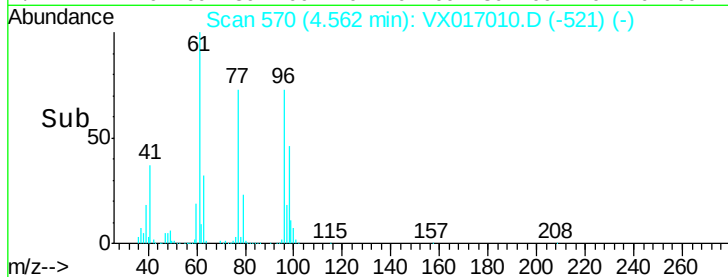
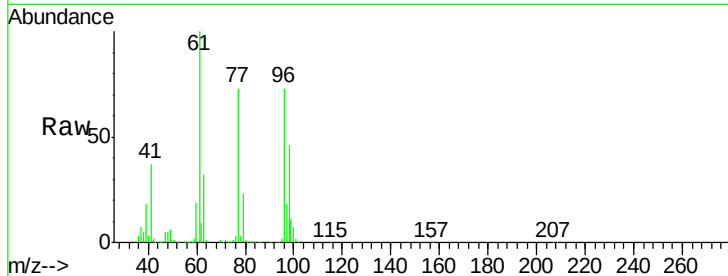
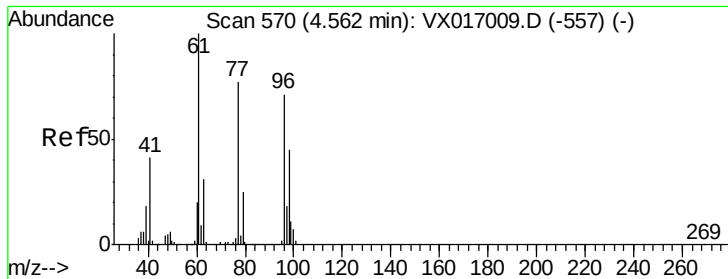
Tgt Ion: 77 Resp: 467865

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 85.336 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tot Ion:	96	Resp:	349998
Ion Ratio	Lower	Upper	
96	100		
61	141.6	0.0	282.8
98	63.6	0.0	127.6

Instrument :

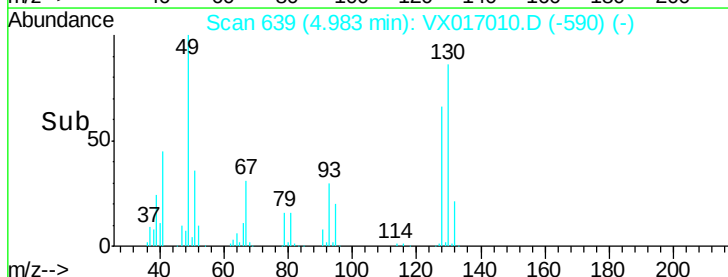
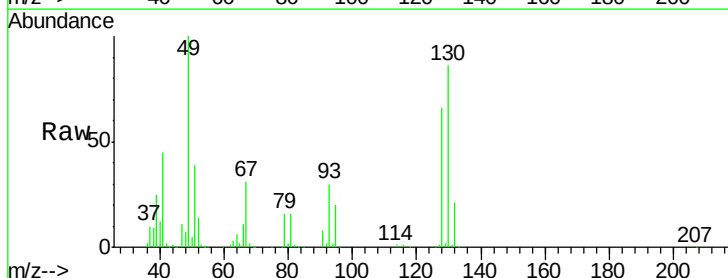
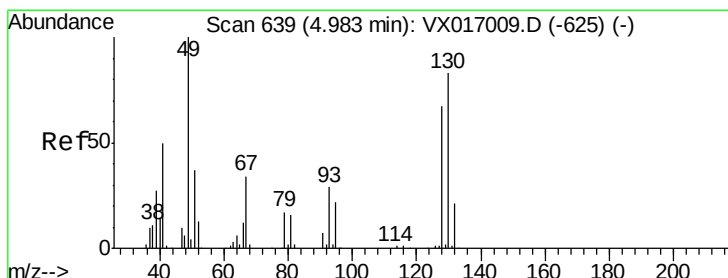
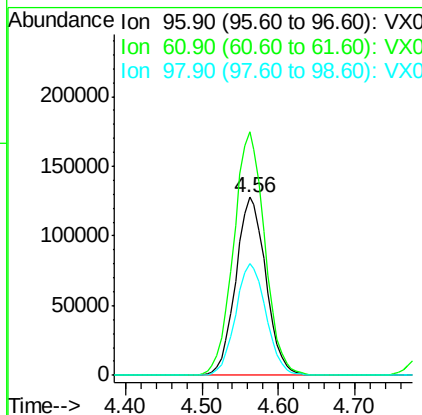
MSVOA_X

ClientSampleId :

VSTDIC100

Manual Integrations
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#28

Bromochloromethane

Concen: 83.780 ug/l

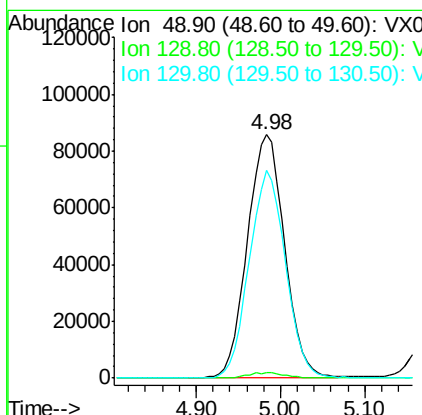
RT: 4.98 min Scan# 639

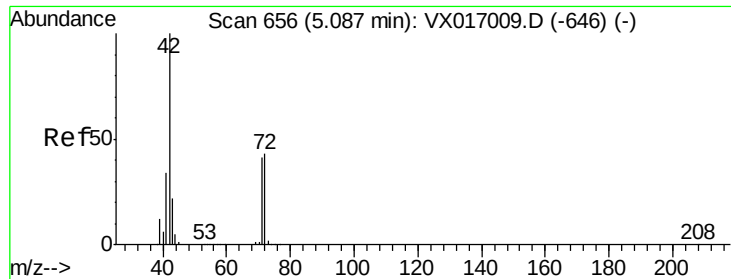
Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tgt Ion:	49	Resp:	258810
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	83.3	66.6	100.0





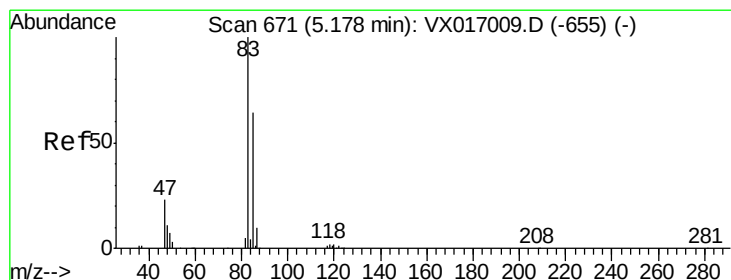
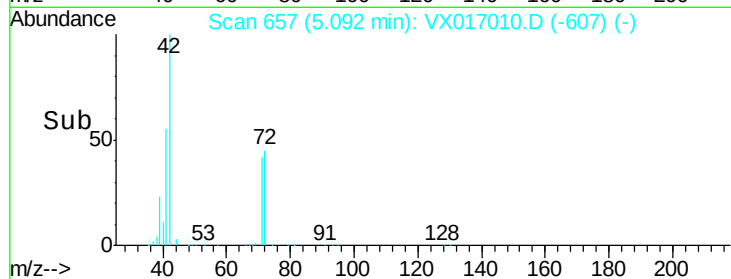
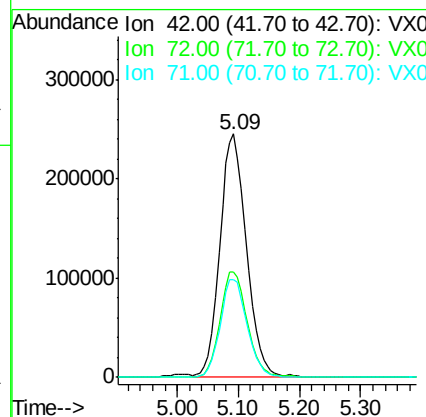
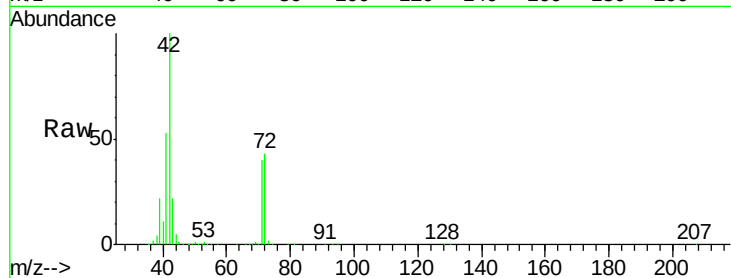
#29
Tetrahydrofuran
Concen: 442.110 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.3	52.9
71	40.9	33.1	49.7

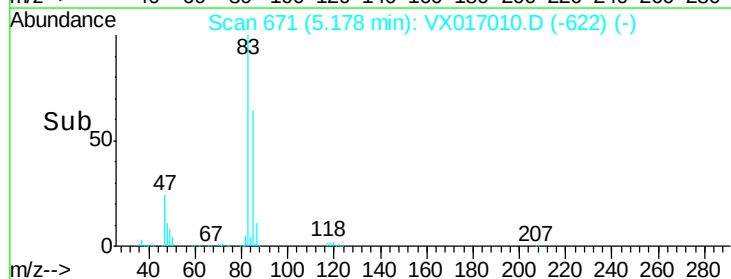
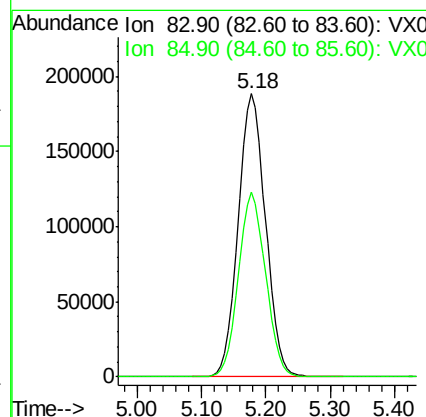
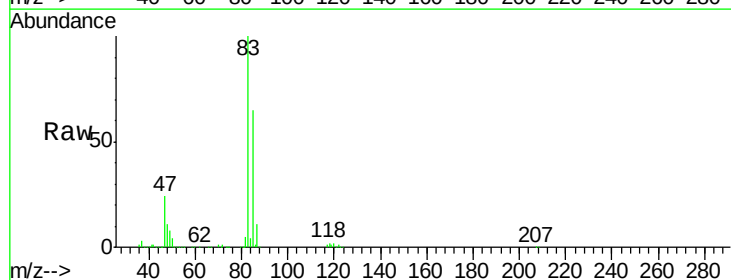
Manual Integrations
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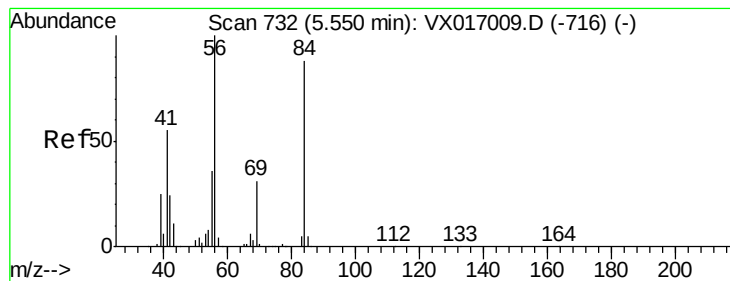
MMDadoda
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#30
Chloroform
Concen: 85.315 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.2





#31

Cyclohexane

Concen: 89.202 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

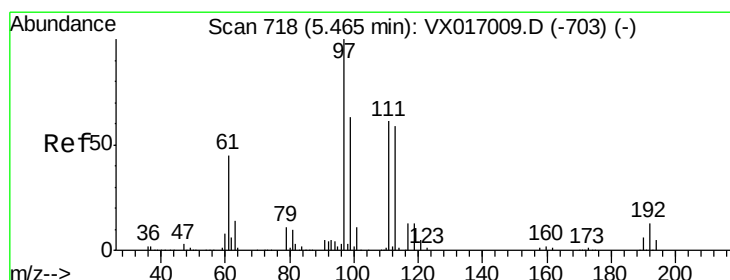
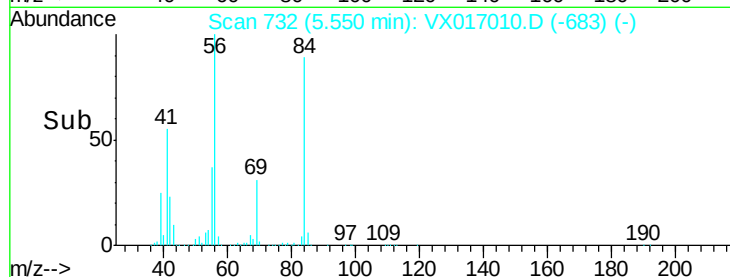
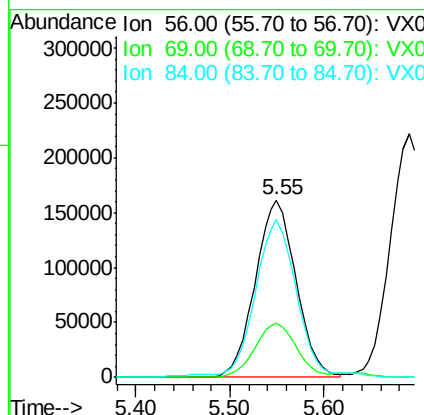
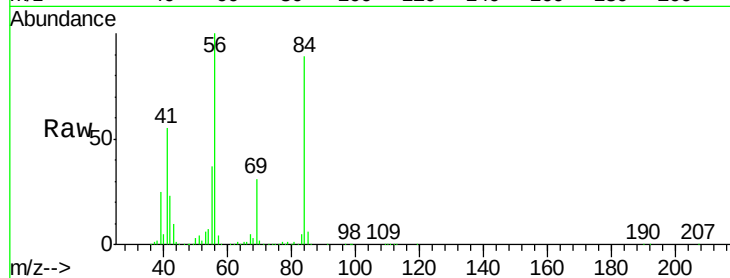
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.7	25.0	37.4	
84	87.3	69.1	103.7	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 85.291 ug/l

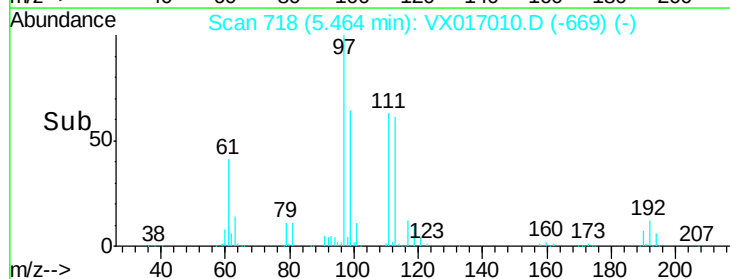
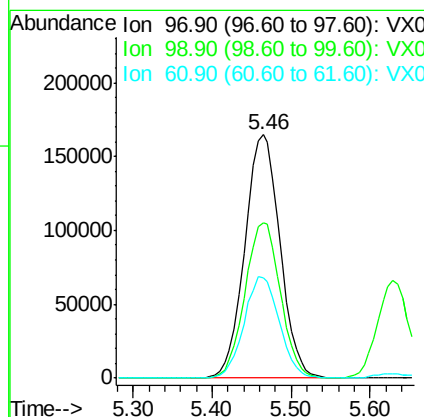
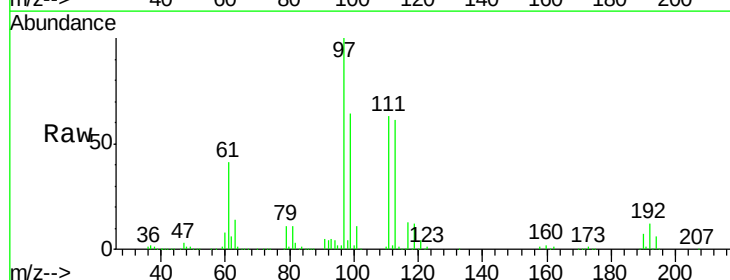
RT: 5.46 min Scan# 718

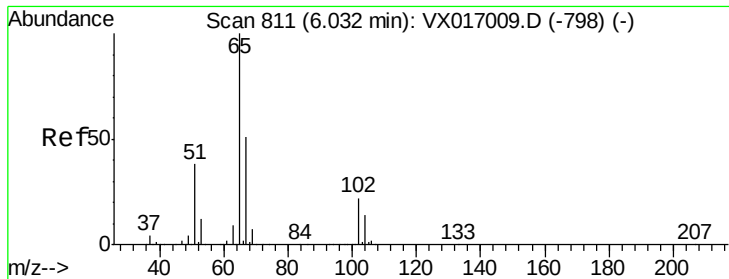
Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	50.8	76.2	
61	41.8	33.7	50.5	





#33

1,2-Dichloroethane-d4

Concen: 86.276 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 350658

Ion Ratio Lower Upper

65 100

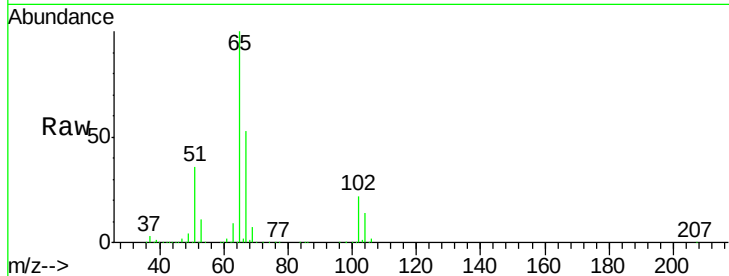
67 52.4 0.0 103.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

150000

100000

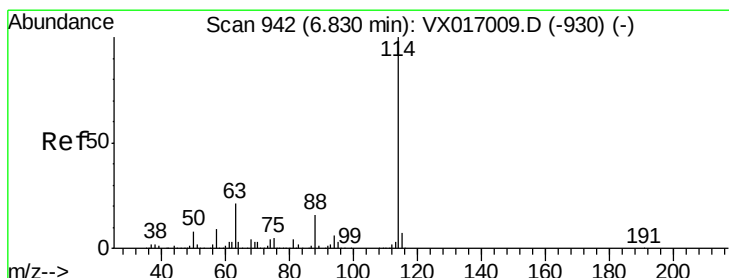
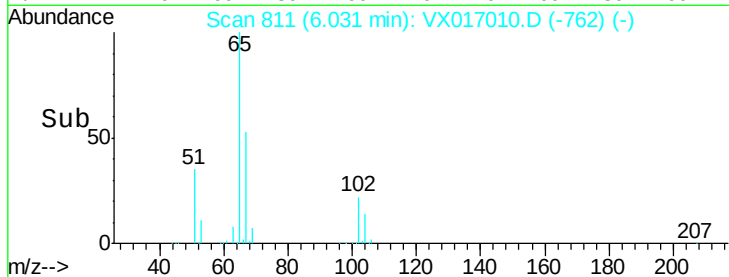
50000

0

6.03

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

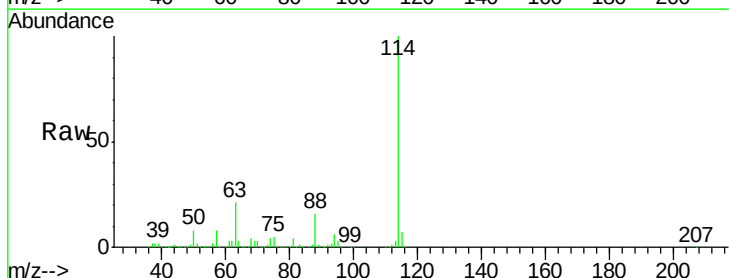
Tgt Ion: 114 Resp: 515672

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

88 16.3 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

300000

250000

200000

150000

100000

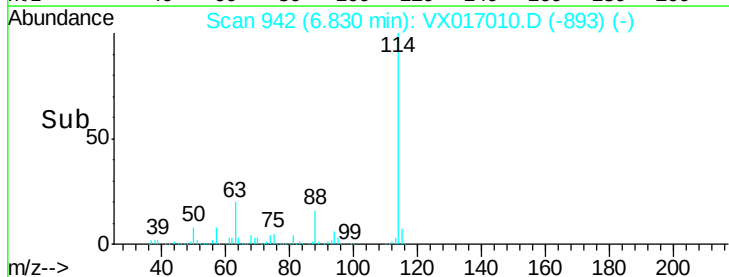
50000

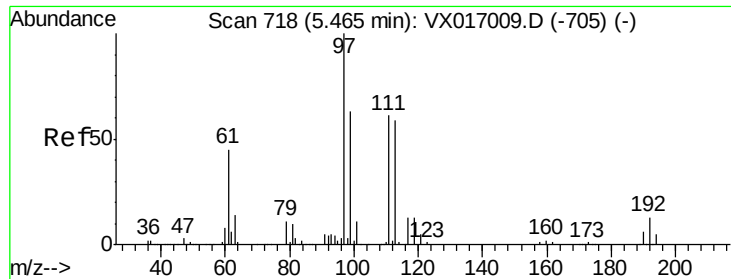
0

6.83

6.70 6.80 6.90

Time-->





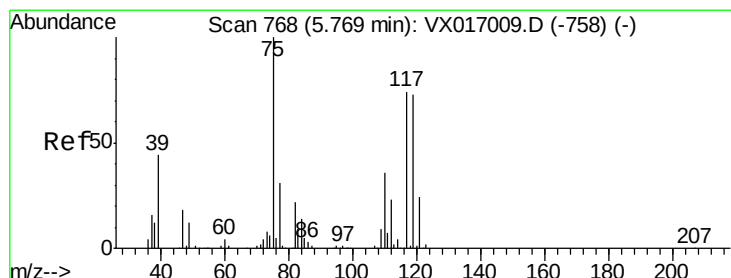
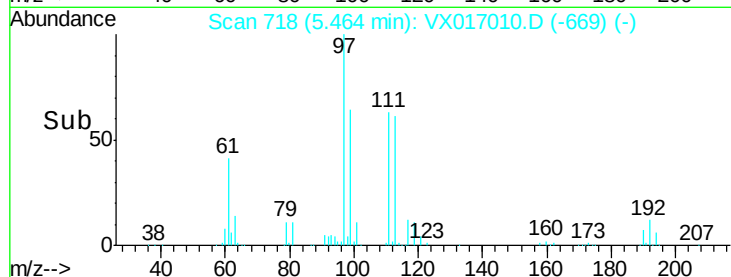
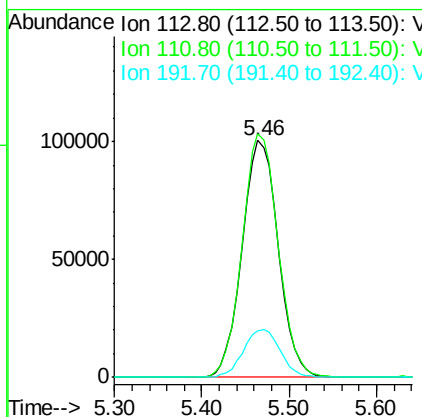
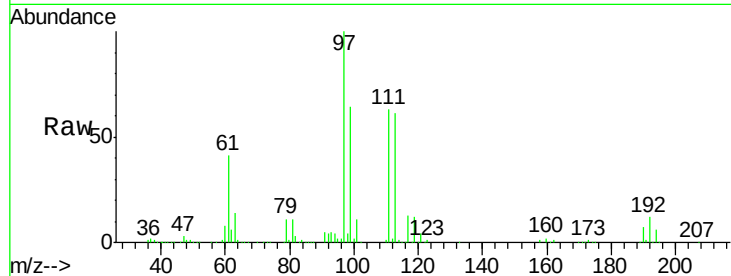
#35
Dibromofluoromethane
Concen: 88.668 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	289233		
111	102.4	81.9	122.9	
192	20.8	16.7	25.1	

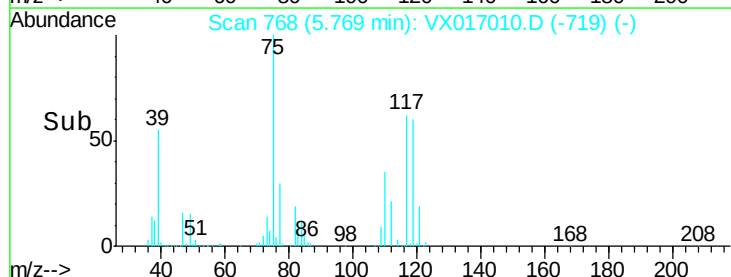
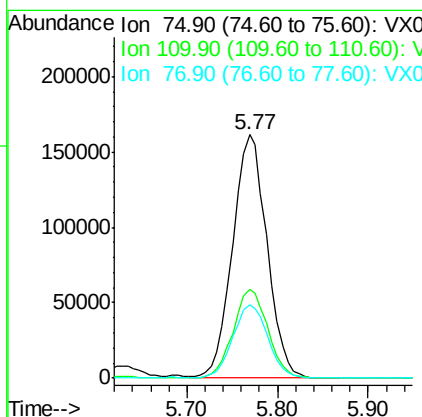
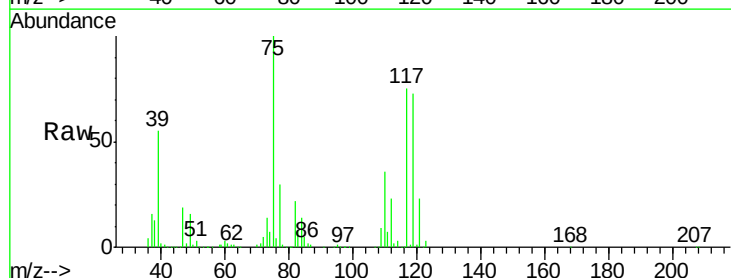
Manual Integrations
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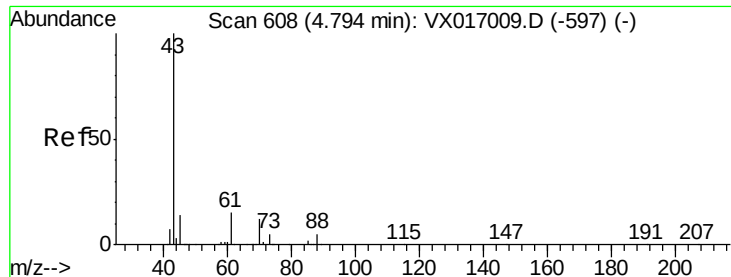
MMDadoda
6/30/2020 10:13:34 AM



#36
1,1-Dichloropropene
Concen: 87.030 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	424159		
110	36.9	18.1	54.1	
77	30.7	24.6	37.0	





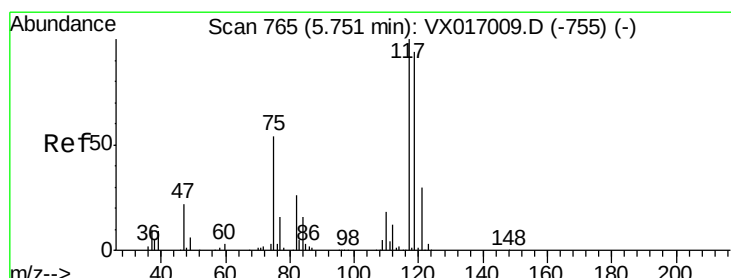
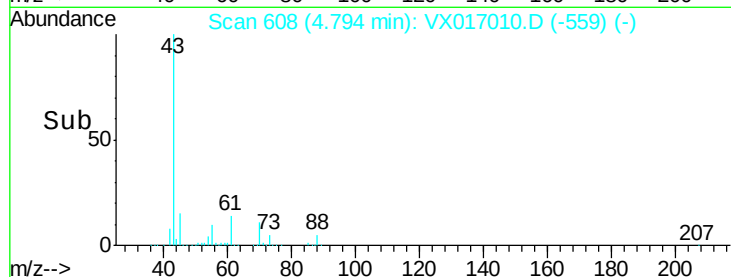
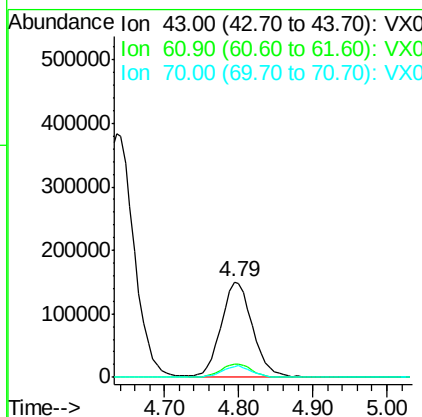
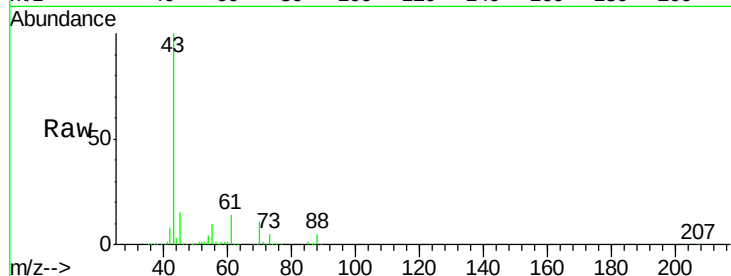
#37
Ethyl Acetate
Concen: 89.082 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	11.4	8.9	13.3

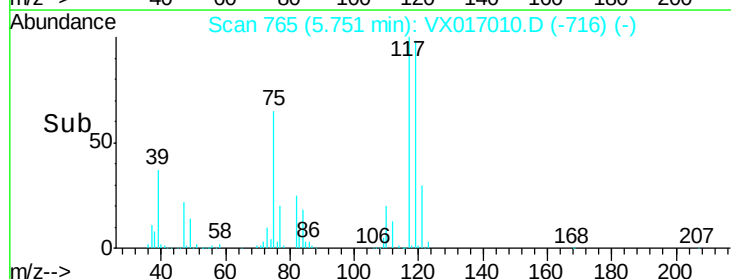
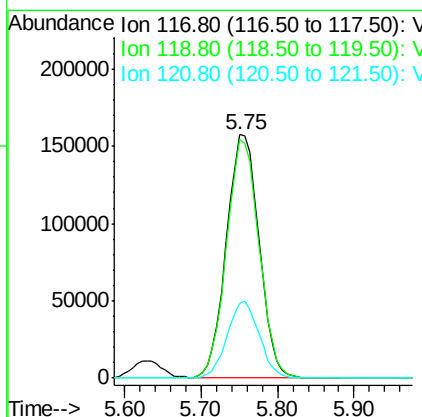
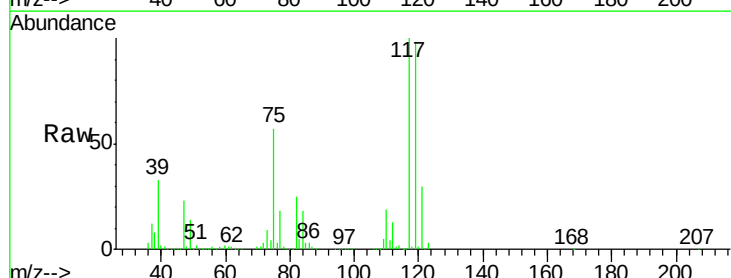
Manual Integrations
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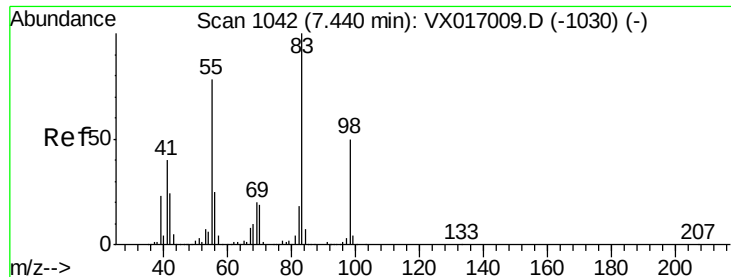
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#38
Carbon Tetrachloride
Concen: 87.102 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.4	113.0
121	30.5	23.8	35.6





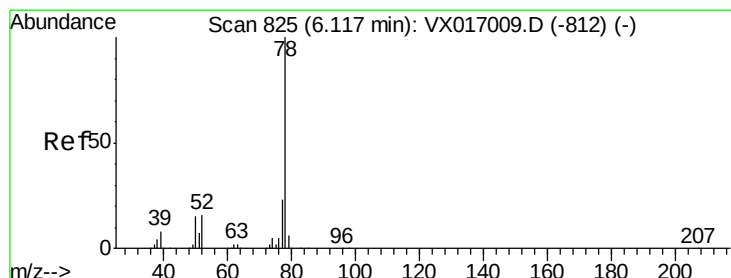
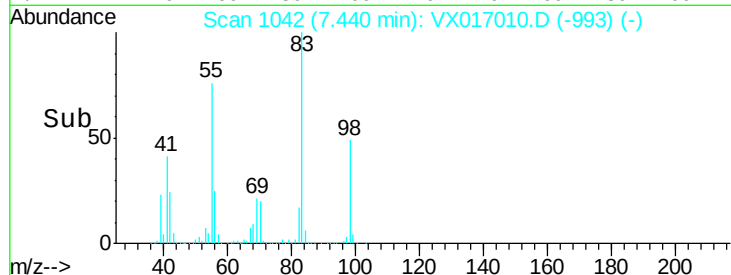
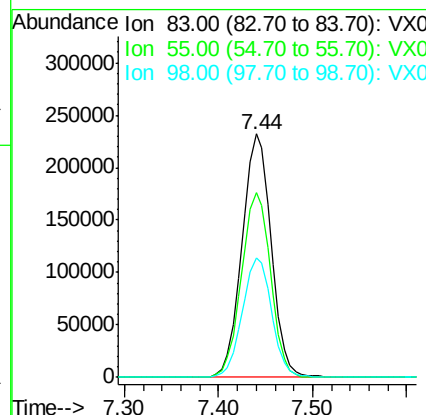
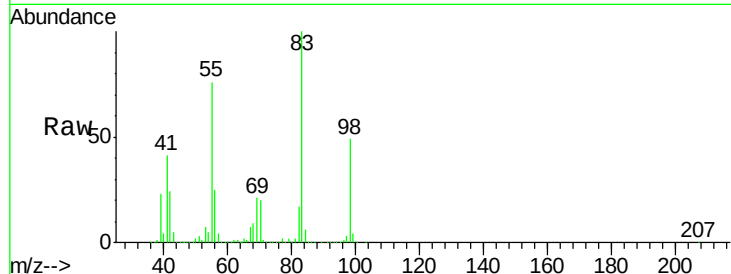
#39
Methylvlcyclohexane
Concen: 92.519 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.5	93.7
98	49.2	40.1	60.1

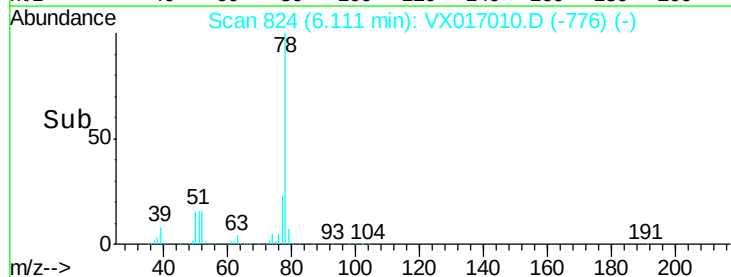
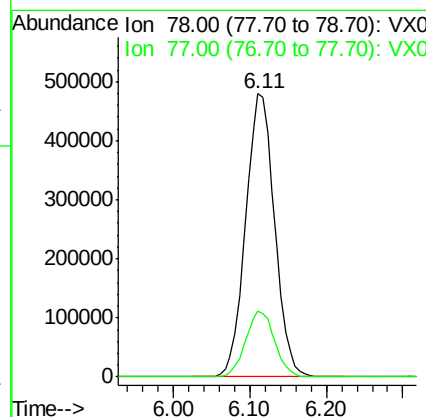
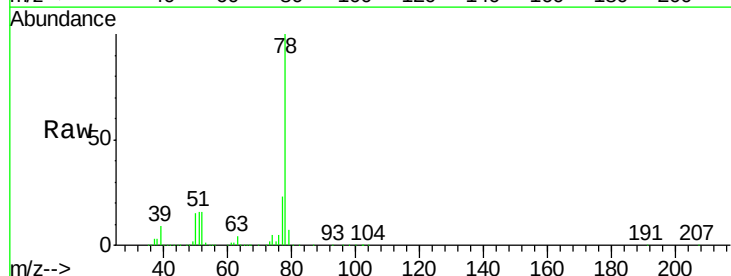
Manual Integrations
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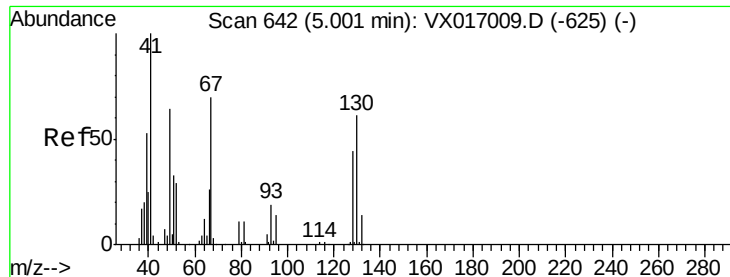
MMDadoda
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#40
Benzene
Concen: 87.833 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5





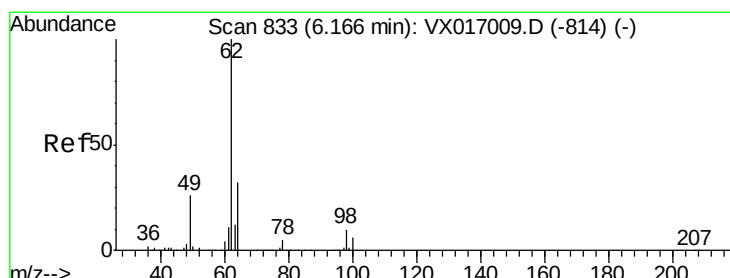
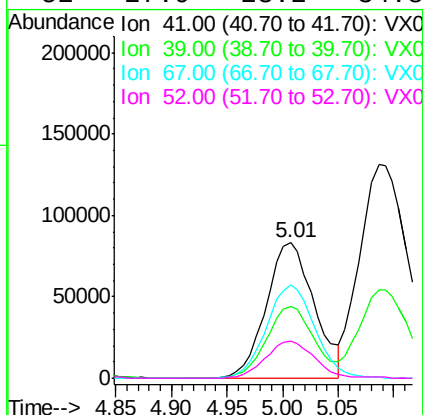
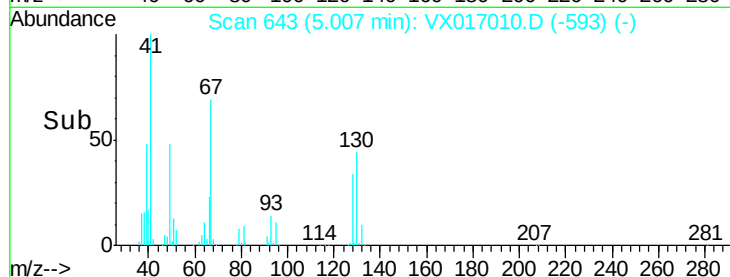
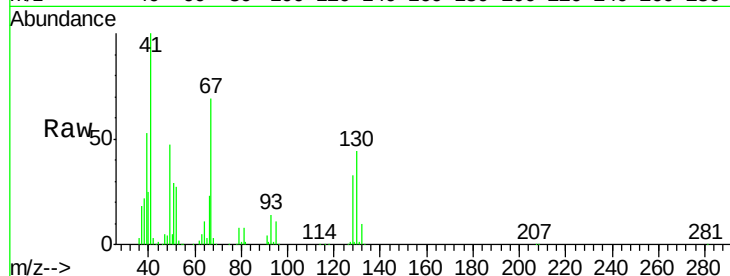
#41
Methacrylonitrile
Concen: 89.747 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	44.4	66.6	
67	69.4	57.1	85.7	
52	27.9	23.2	34.8	

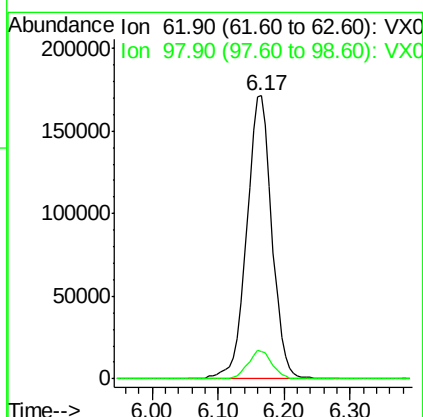
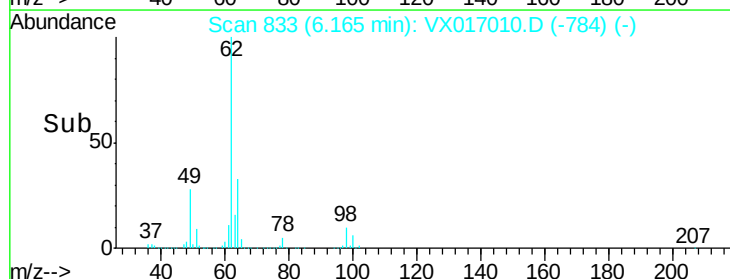
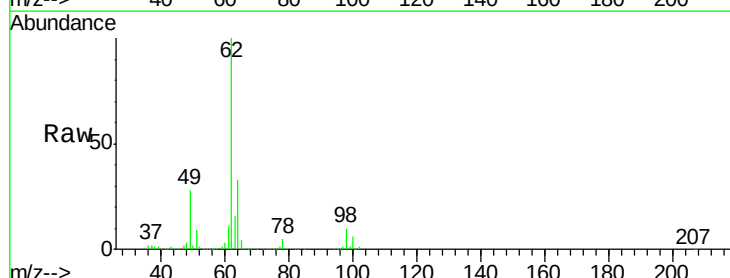
Manual Integrations
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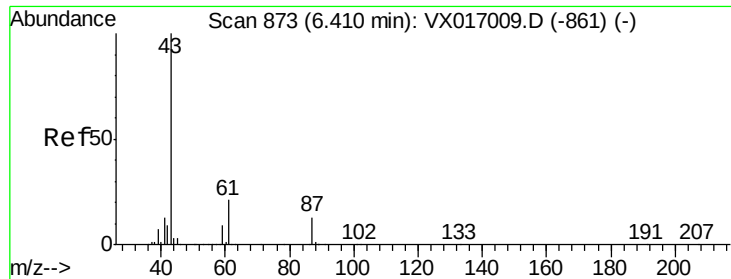
MMDadoda
6/30/2020 10:13:34 AM



#42
1,2-Dichloroethane
Concen: 87.501 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.2	





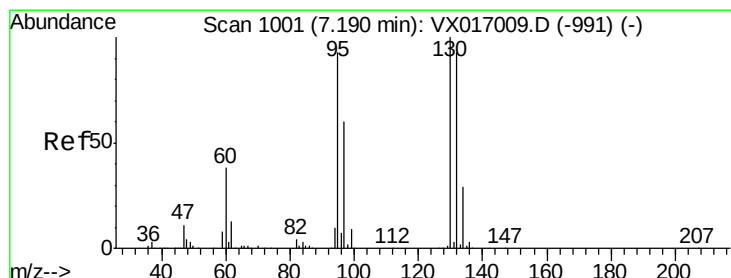
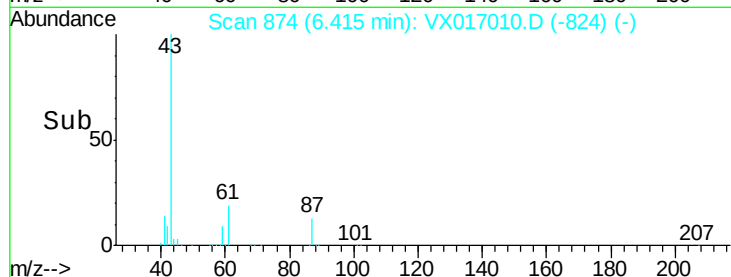
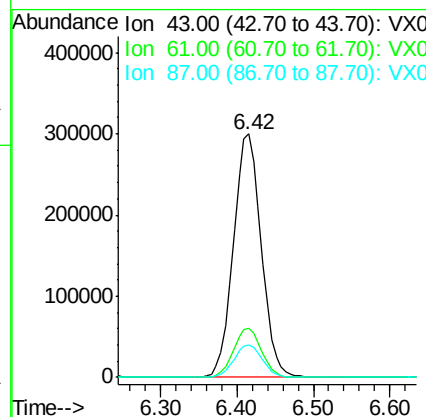
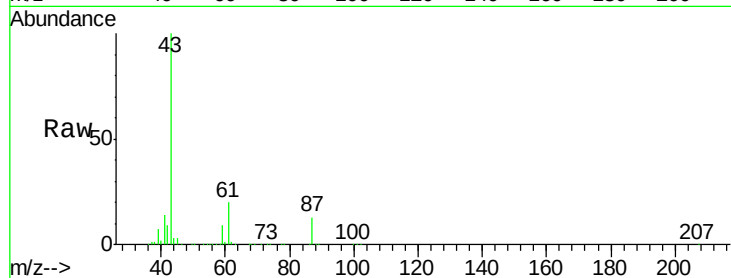
#43
Isopropyl Acetate
Concen: 91.134 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.2	24.2
87	13.6	10.7	16.1

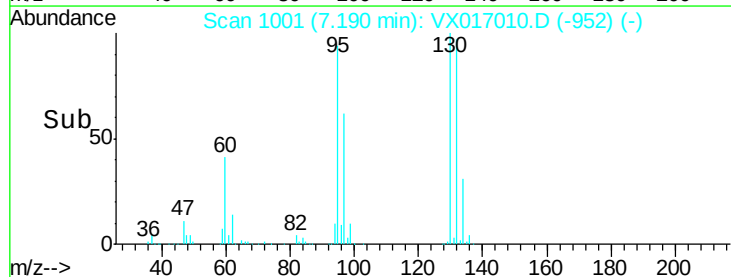
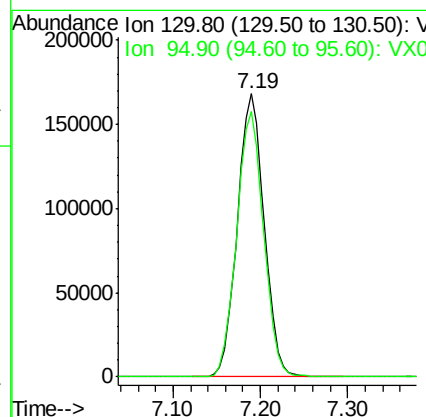
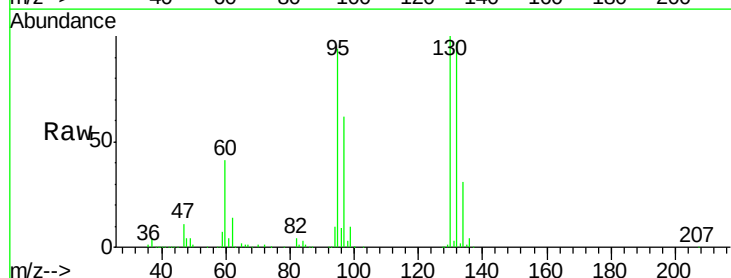
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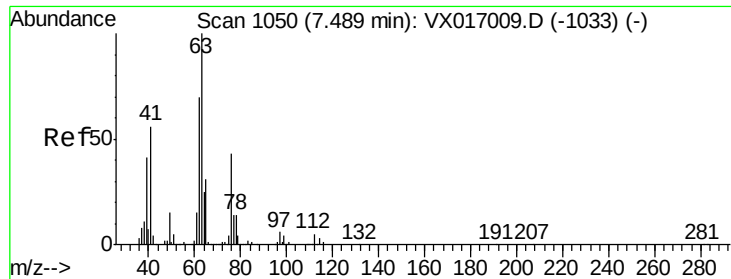
MMDadoda
6/30/2020 10:13:34 AM



#44
Trichloroethene
Concen: 83.243 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	185.0





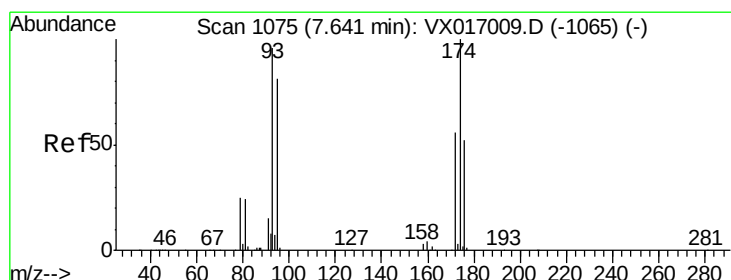
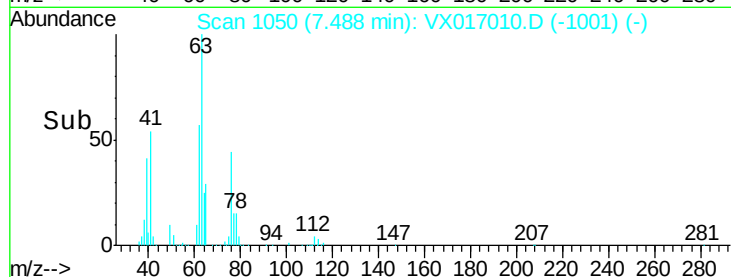
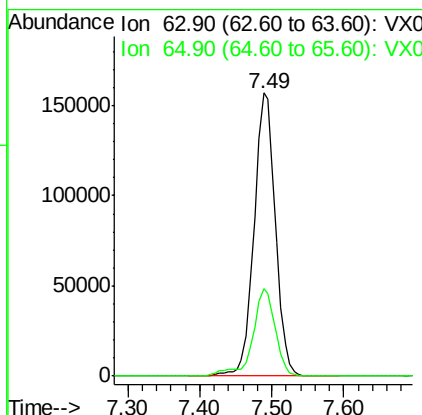
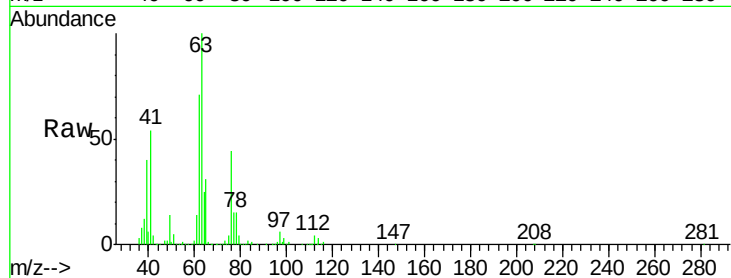
#45
 1,2-Dichloropropane
 Concen: 88.043 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8

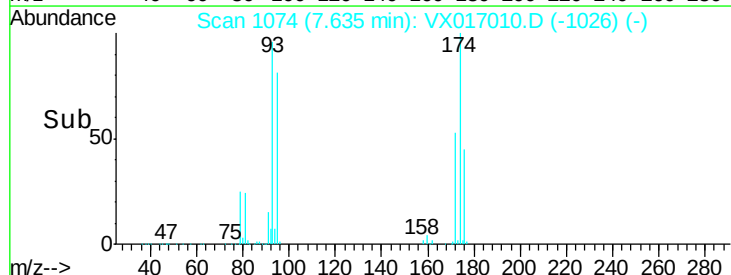
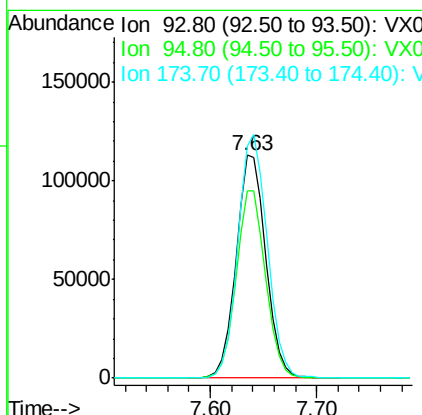
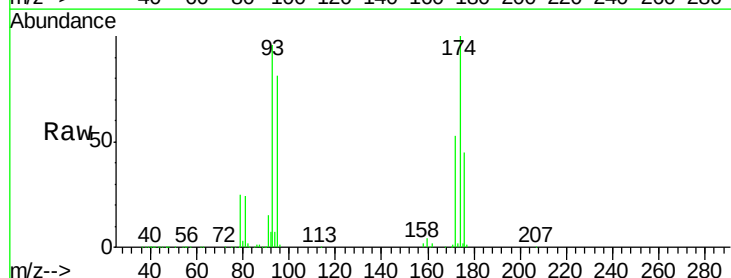
Manual Integrations
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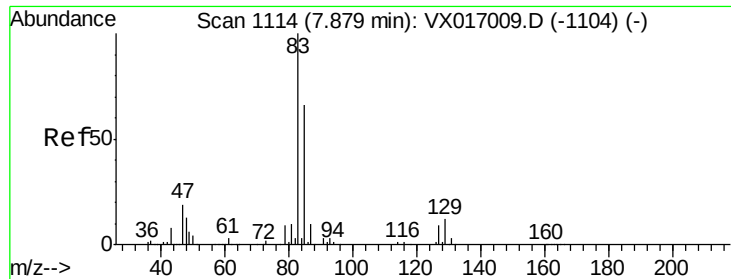
MMDadoda
 6/30/2020 10:13:34 AM



#46
 Dibromomethane
 Concen: 87.917 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.4	101.0
174	108.5	84.3	126.5





#47

Bromodichloromethane

Concen: 89.284 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

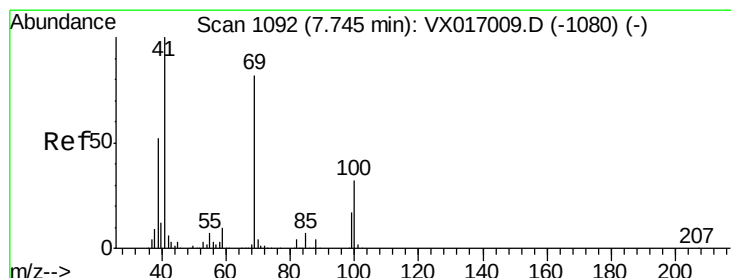
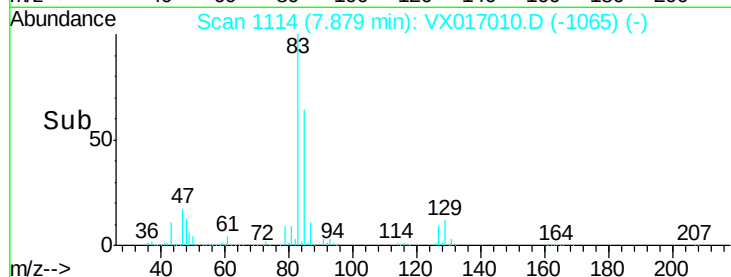
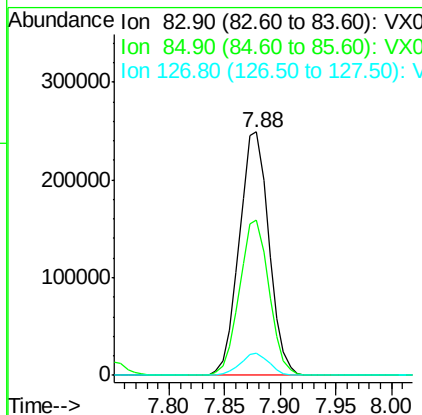
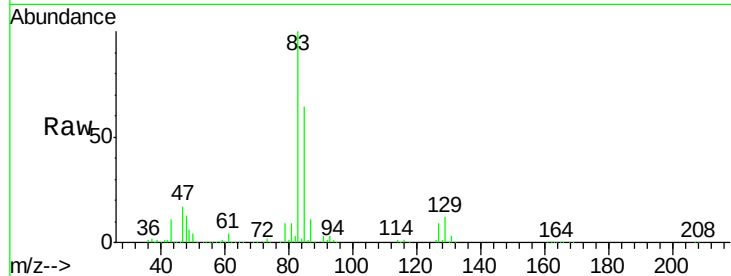
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	462021
Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.0	79.4
127	9.0	7.5	11.3

Manual Integrations
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MMDadoda
6/30/2020 10:13:34 AM



#48

Methyl methacrylate

Concen: 94.716 ug/l

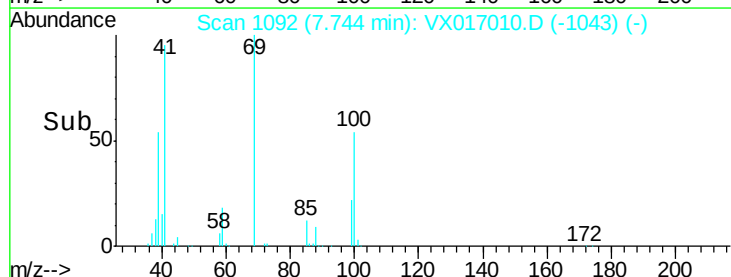
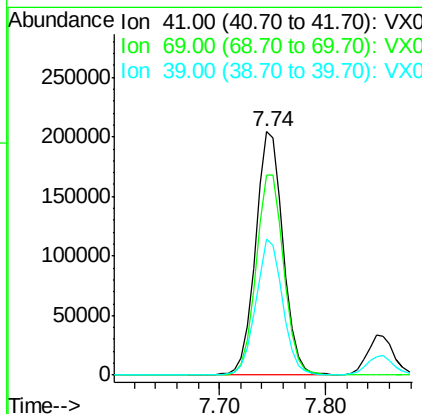
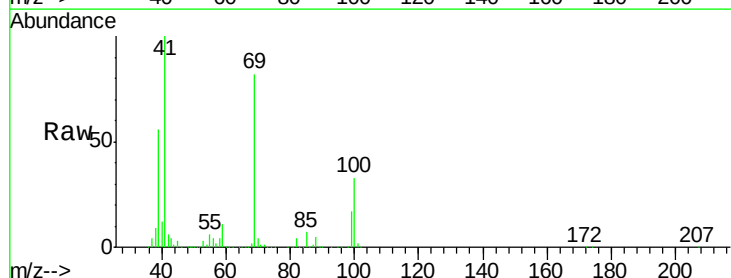
RT: 7.74 min Scan# 1092

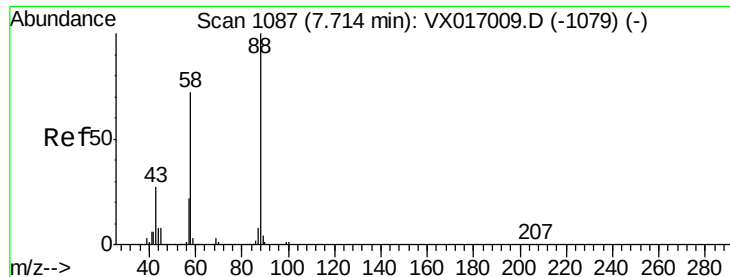
Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tgt Ion:	41	Resp:	369760
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.8	98.8
39	54.4	42.5	63.7





#49

1,4-Dioxane

Concen: 1830.675 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

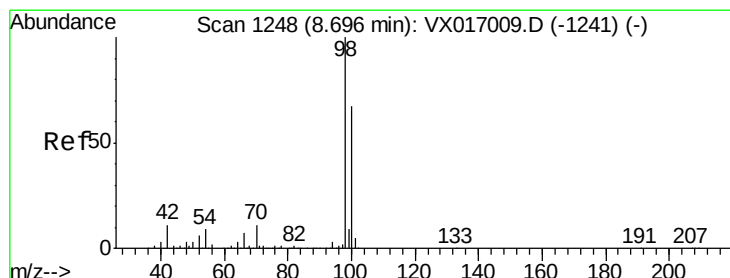
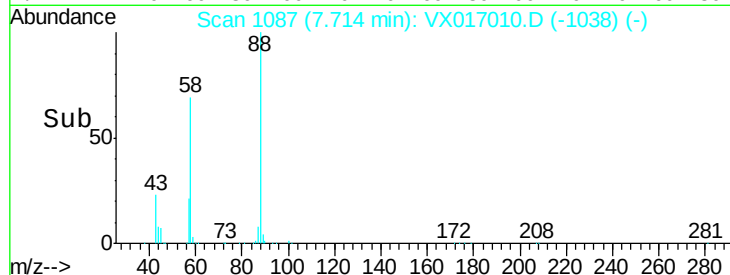
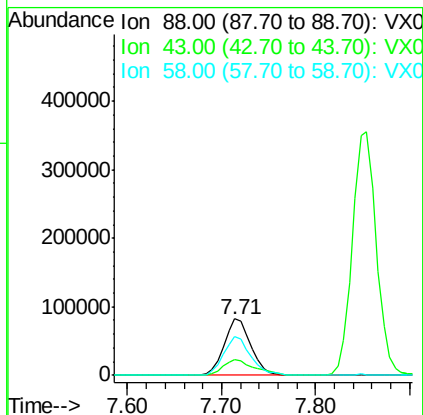
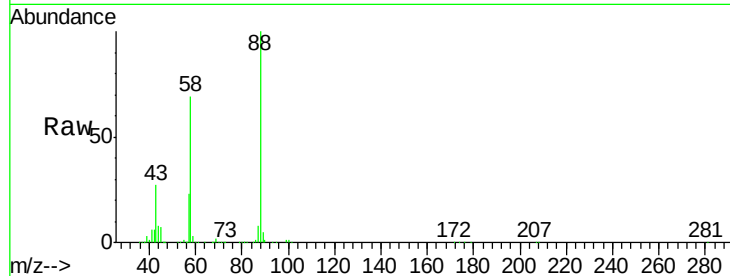
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	161907
Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.8	38.8
58	69.9	54.8	82.2

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#50

Toluene-d8

Concen: 90.025 ug/l

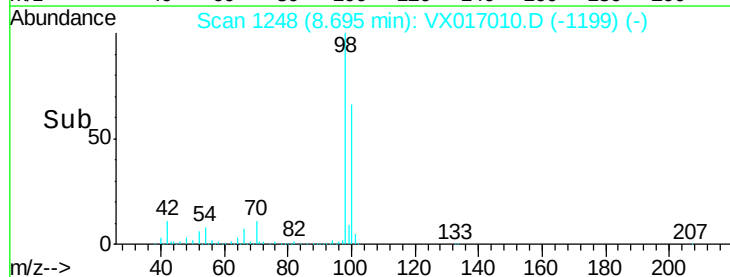
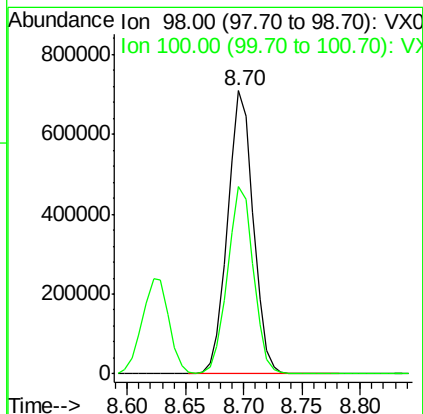
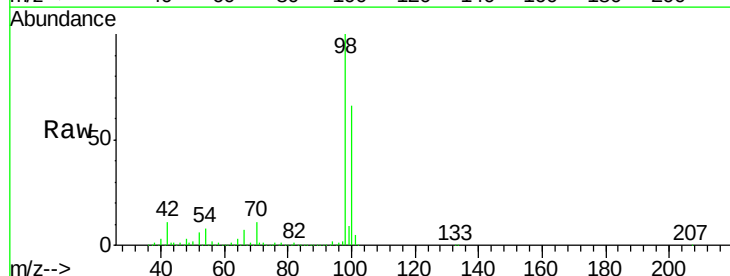
RT: 8.70 min Scan# 1248

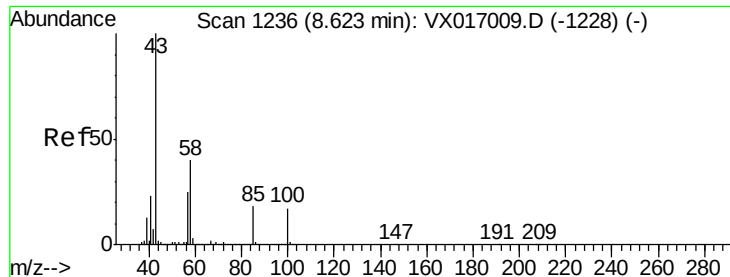
Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tgt Ion:	98	Resp:	1085901
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.8	80.6





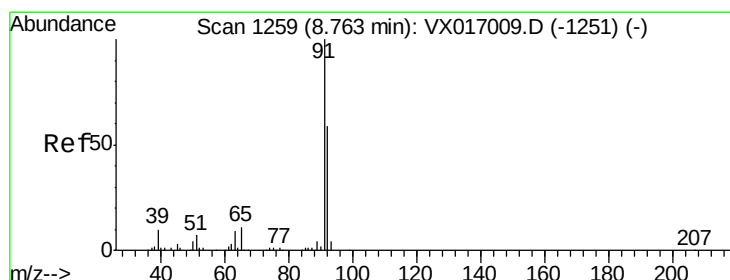
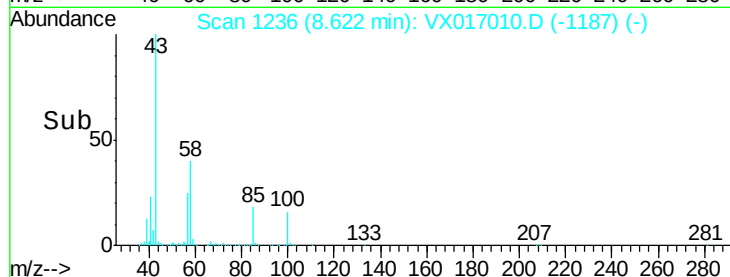
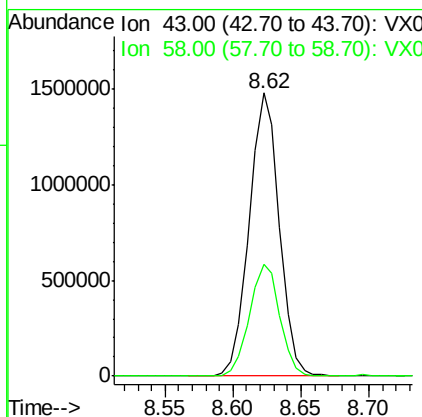
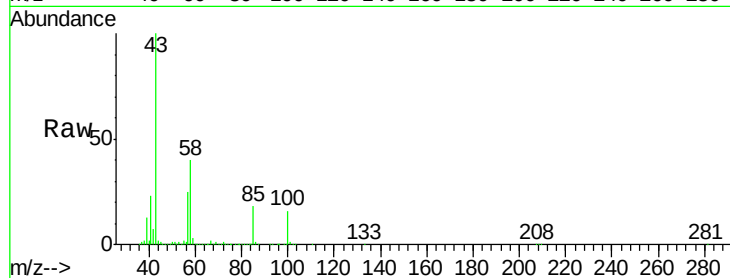
#51
 4-Methyl-2-Pentanone
 Concen: 468.977 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2297127
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9

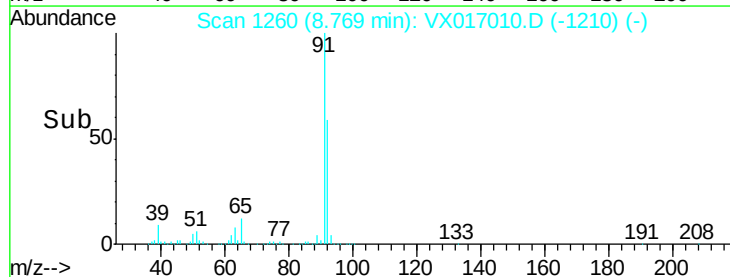
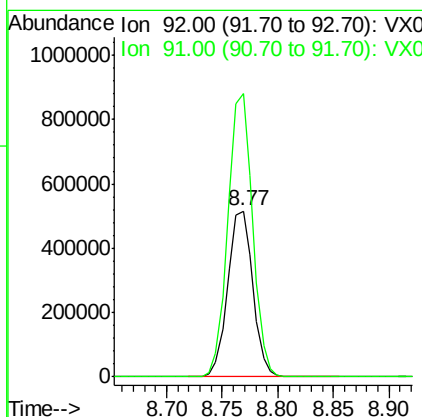
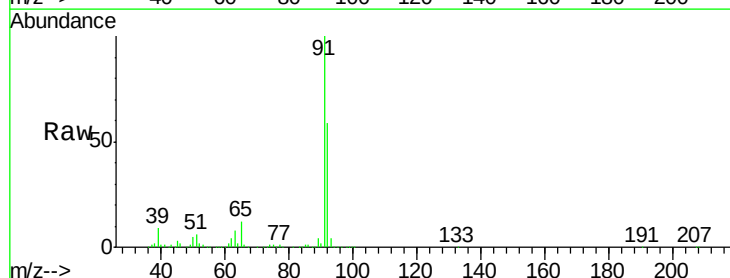
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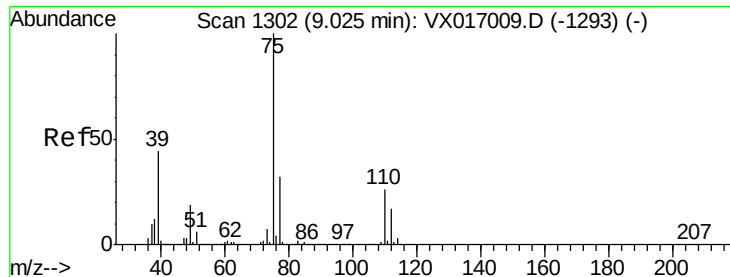
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#52
 Toluene
 Concen: 89.783 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Tgt Ion: 92 Resp: 802705
 Ion Ratio Lower Upper
 92 100
 91 168.6 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 93.014 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 531059

Ion Ratio Lower Upper

75 100

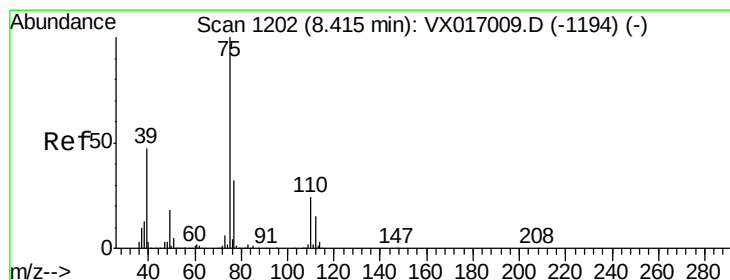
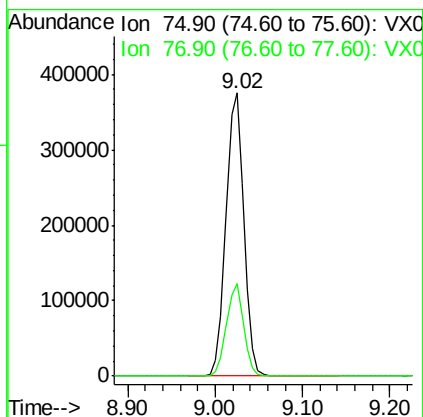
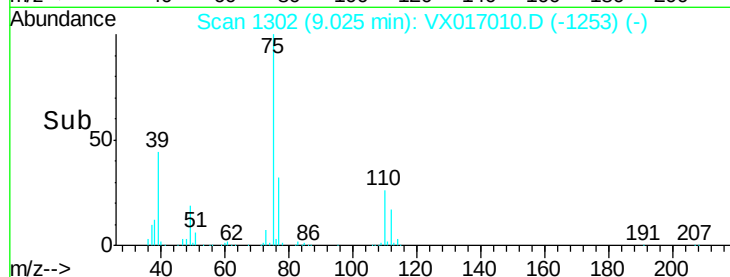
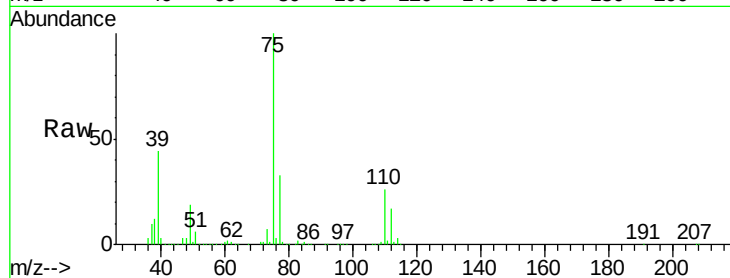
77 32.5 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 90.258 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

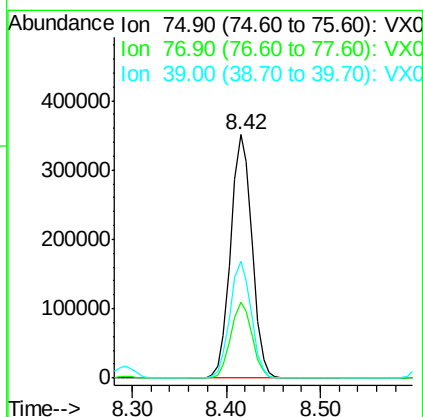
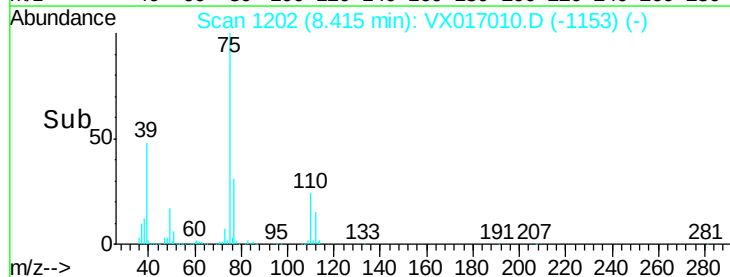
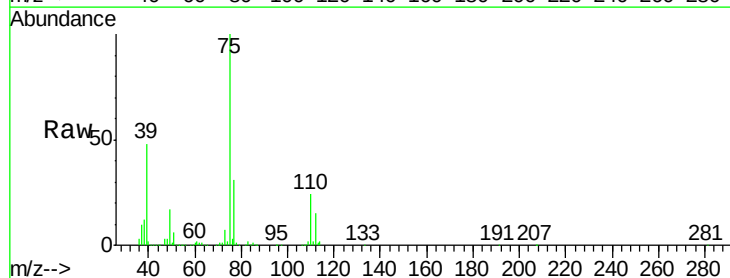
Tgt Ion: 75 Resp: 552420

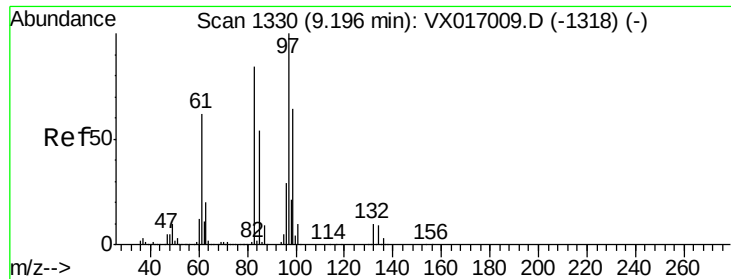
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 48.1 37.4 56.2





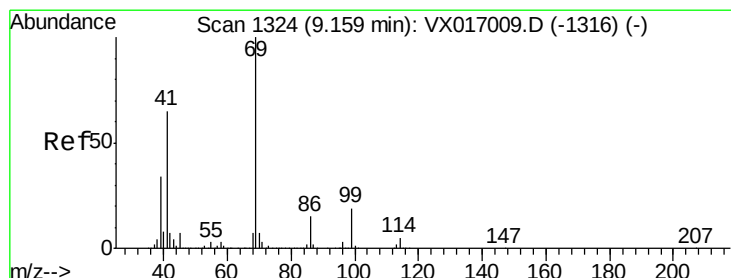
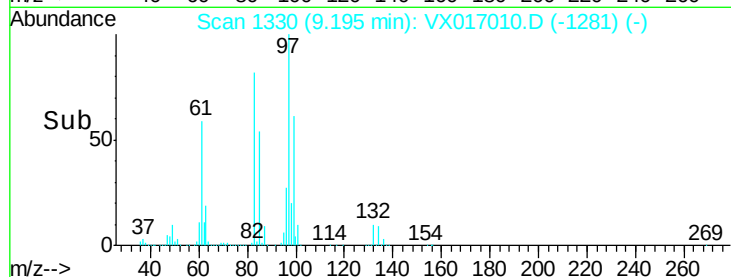
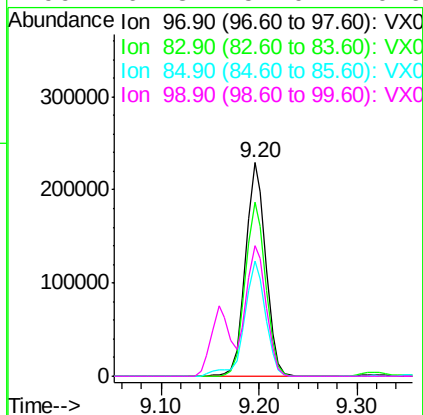
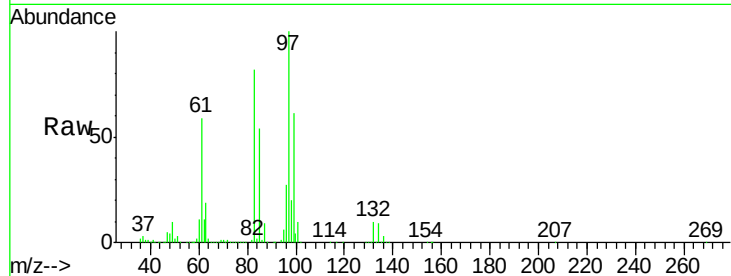
#55
 1,1,2-Trichloroethane
 Concen: 89.881 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.0	100.6
85	54.2	43.5	65.3
99	61.3	51.0	76.6

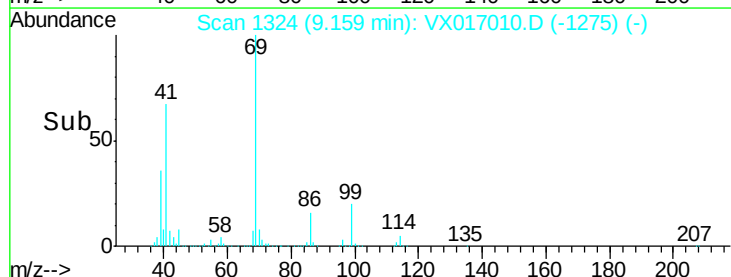
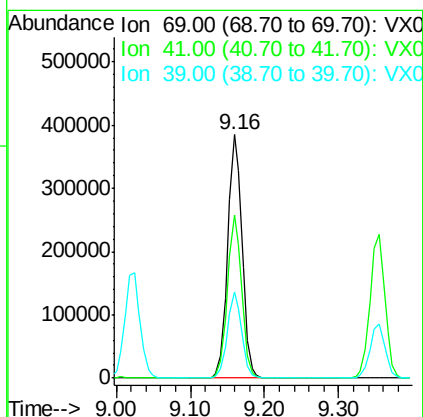
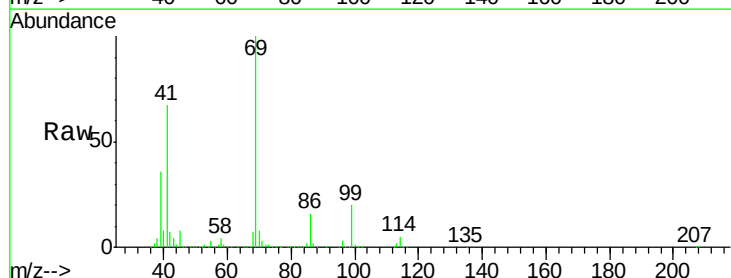
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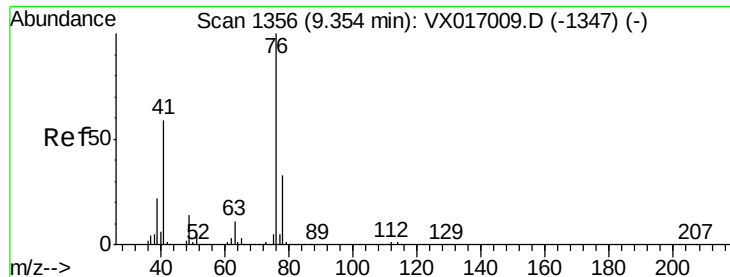
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#56
 Ethyl methacrylate
 Concen: 99.980 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.6	80.4
39	35.0	28.2	42.2





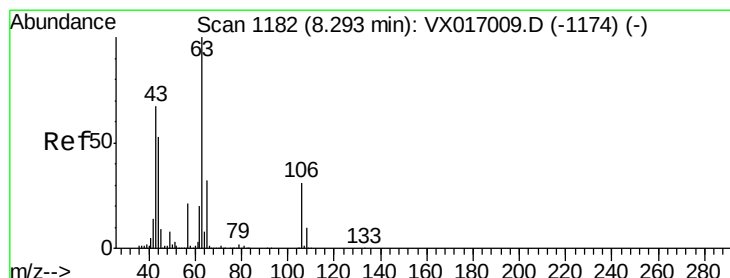
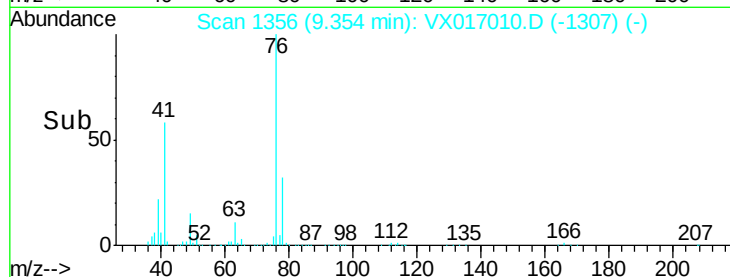
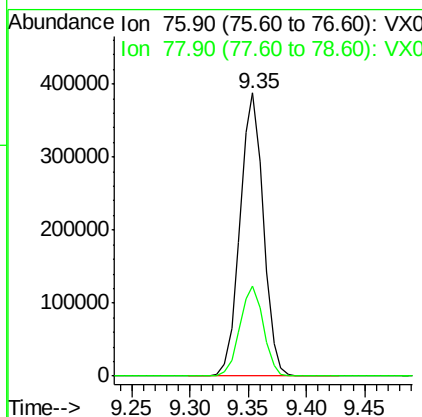
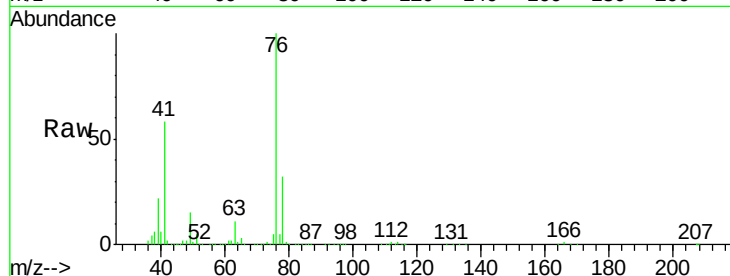
#57
 1,3-Dichloropropane
 Concen: 87.800 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

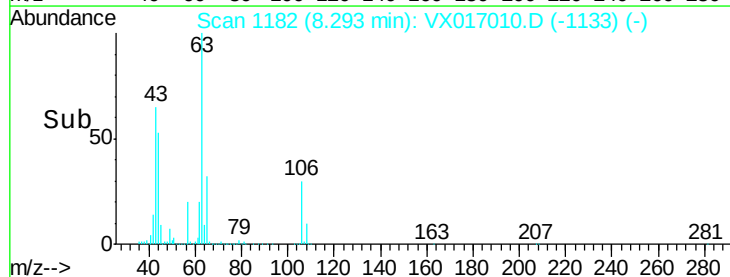
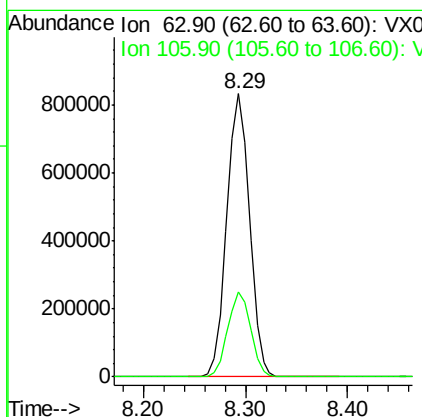
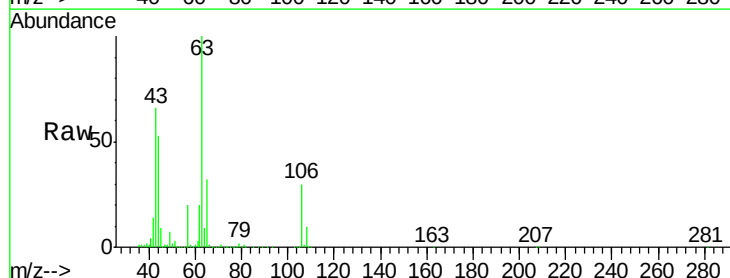
Manual Integrations
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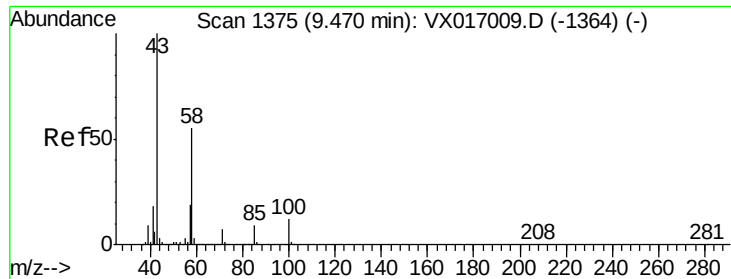
MMDadoda
 6/30/2020 10:13:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 496.895 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.0	36.0





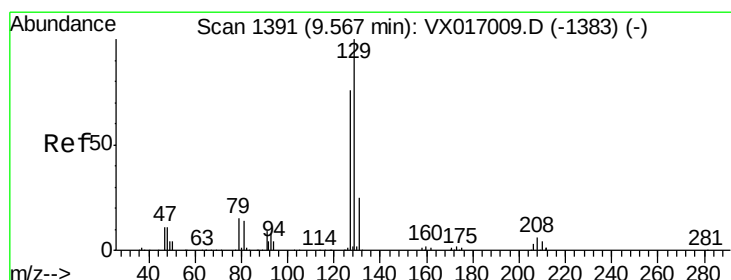
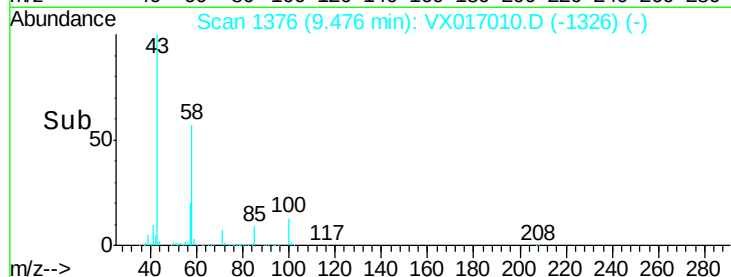
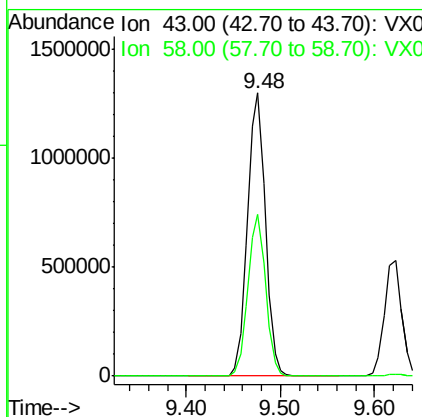
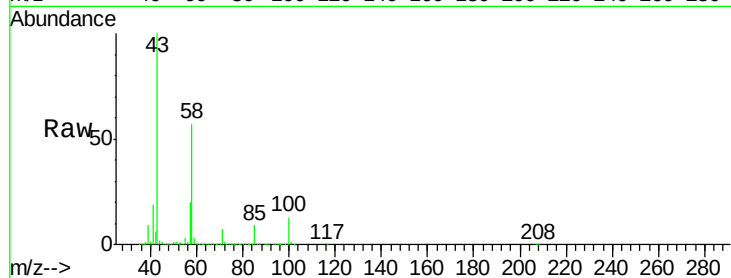
#59
2-Hexanone
Concen: 480.862 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1720186
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.6

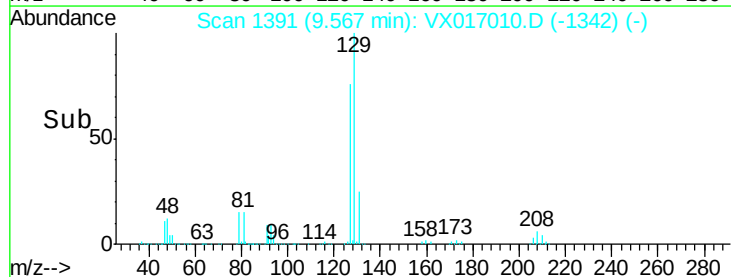
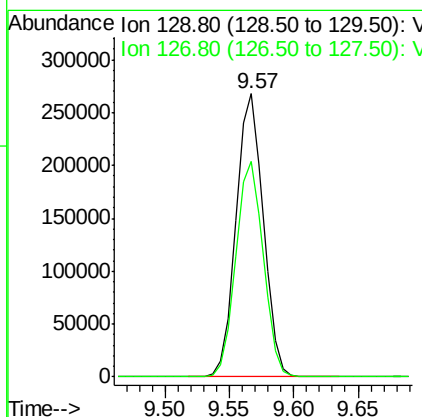
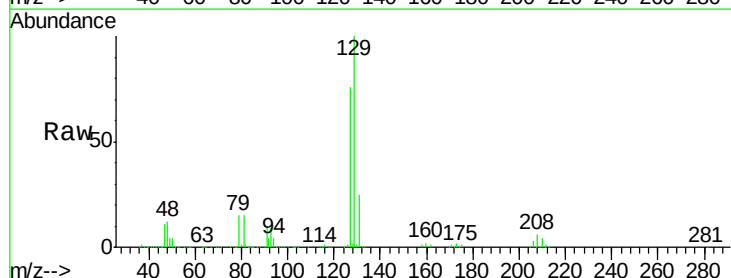
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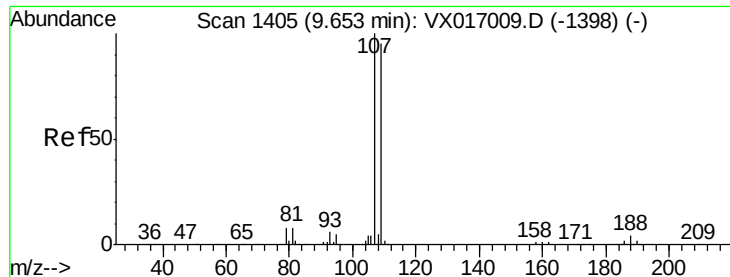
MMDadoda
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#60
Dibromochloromethane
Concen: 92.675 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion: 129 Resp: 393183
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 90.502 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 107 Resp: 355346

Ion Ratio Lower Upper

107 100

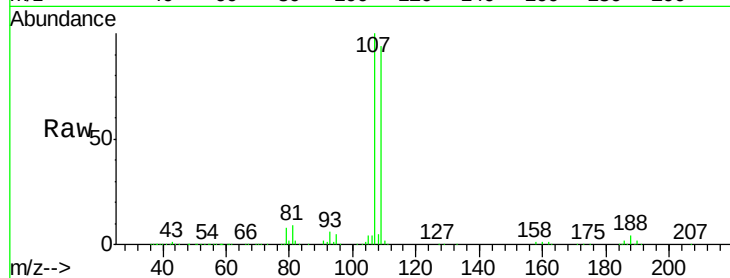
109 93.9 75.8 113.8

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

300000

250000

200000

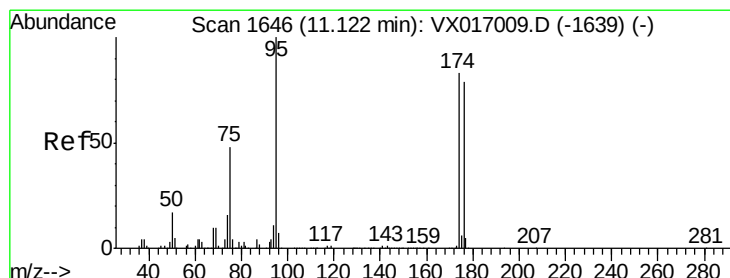
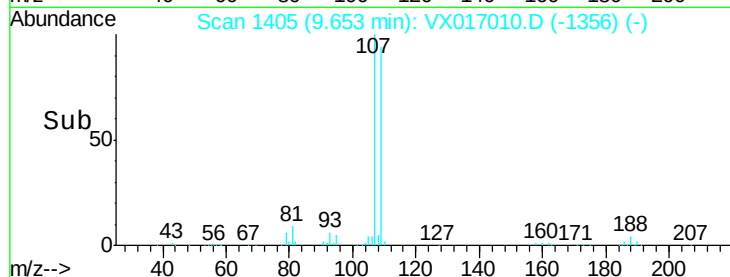
150000

100000

50000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 93.163 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

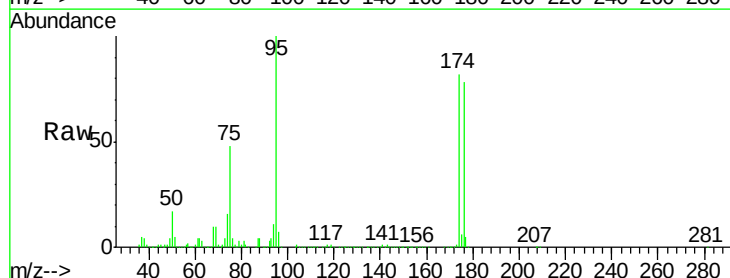
Tgt Ion: 95 Resp: 439288

Ion Ratio Lower Upper

95 100

174 81.3 0.0 164.0

176 78.5 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

500000

400000

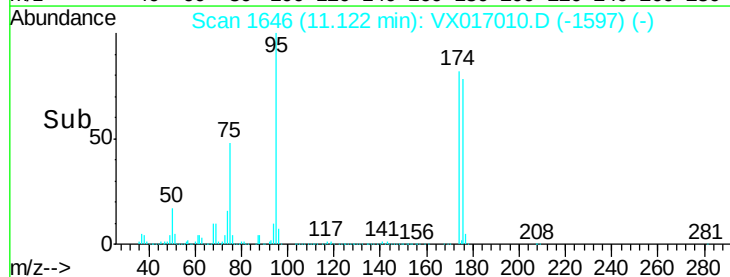
300000

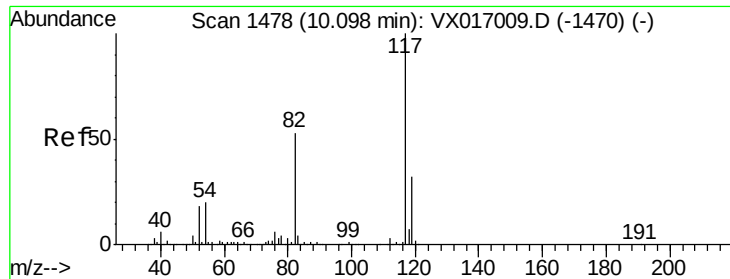
200000

100000

0

Time--> 11.10 11.20





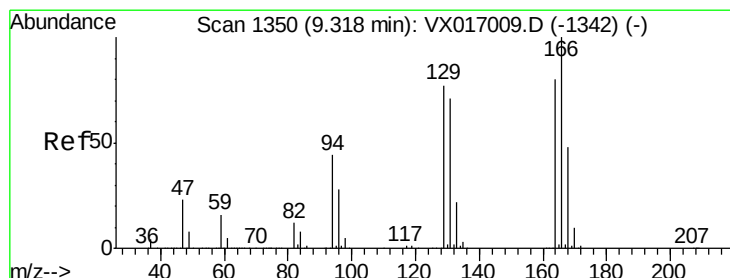
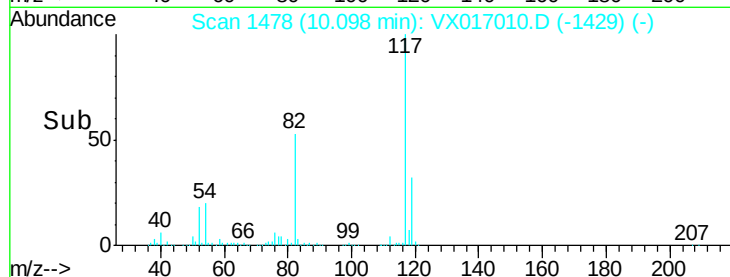
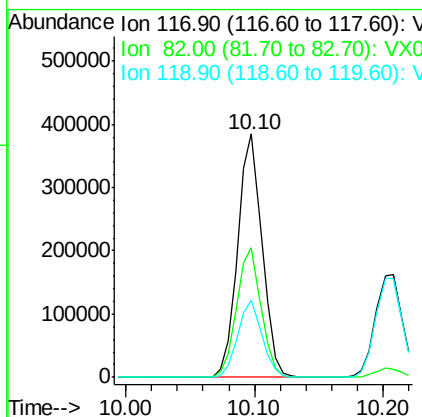
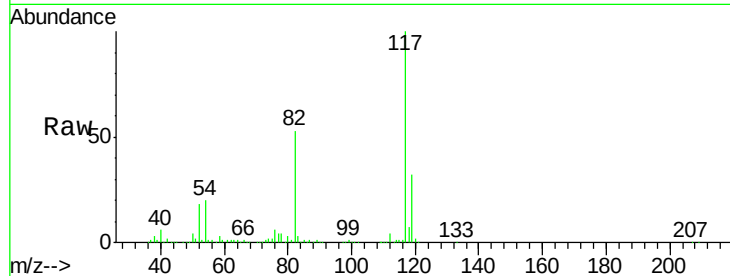
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.6	63.8
119	31.5	25.4	38.2

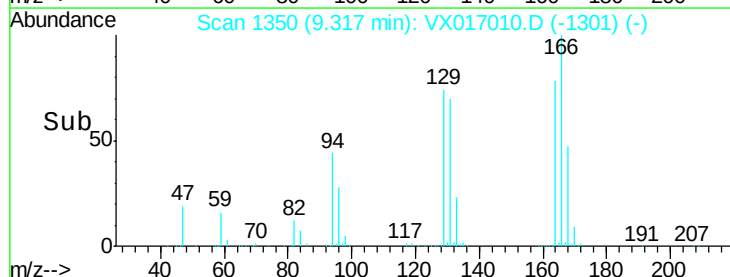
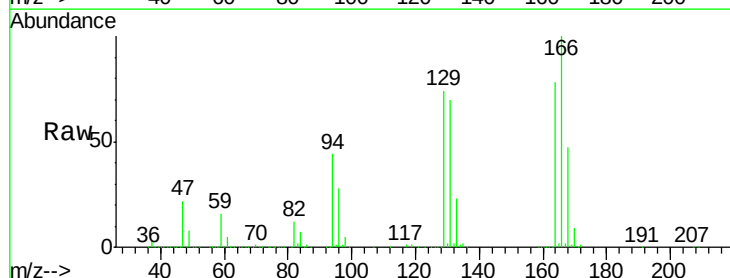
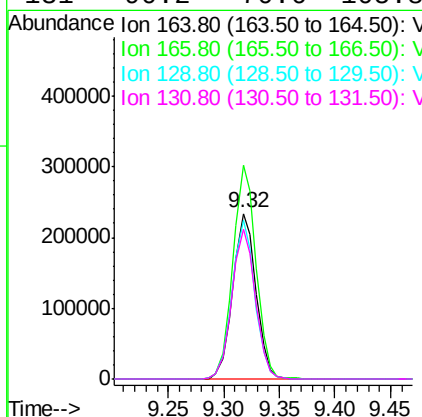
Manual Integrations
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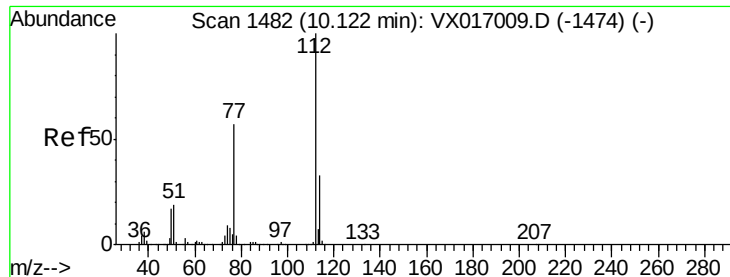
MMDadoda
6/30/2020 10:13:34 AM



#64
Tetrachloroethene
Concen: 82.492 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	99.4	149.0
129	95.8	76.3	114.5
131	90.2	70.6	105.8





#65

Chlorobenzene

Concen: 86.024 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 896407

Ion Ratio Lower Upper

112 100

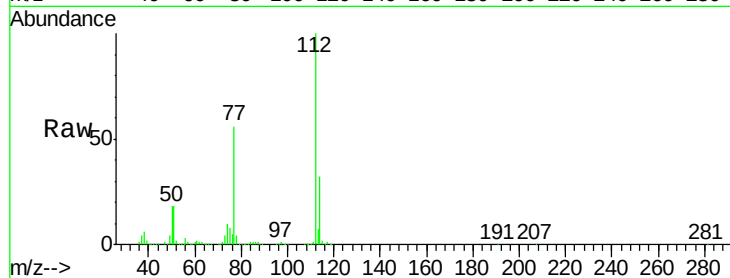
114 31.7 26.2 39.4

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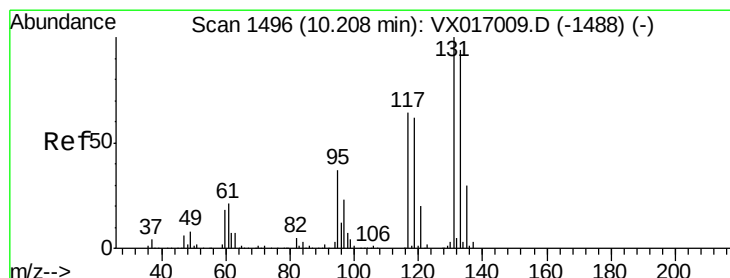
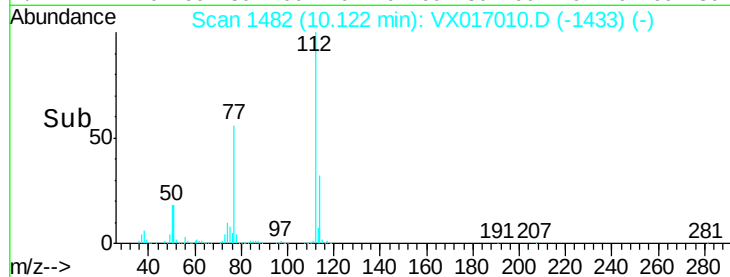
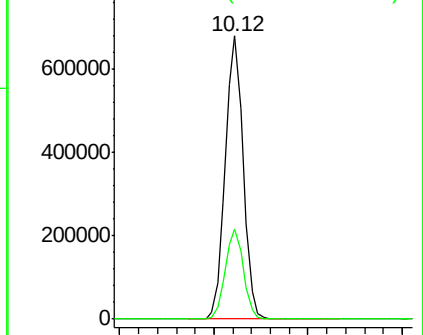
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 87.205 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

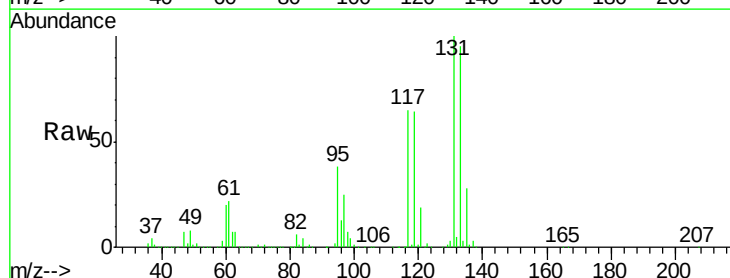
Tgt Ion:131 Resp: 350208

Ion Ratio Lower Upper

131 100

133 95.5 47.3 141.9

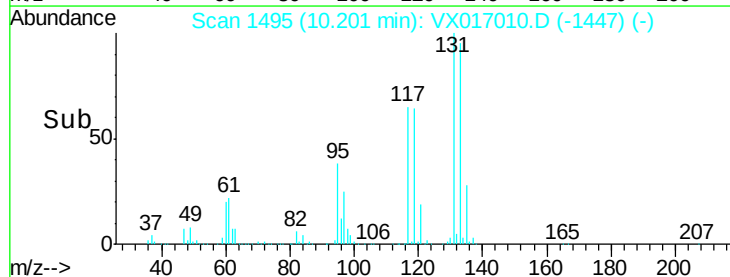
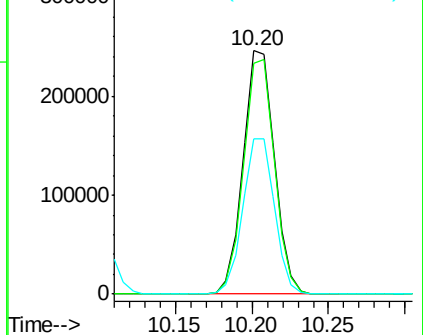
119 64.2 31.9 95.5

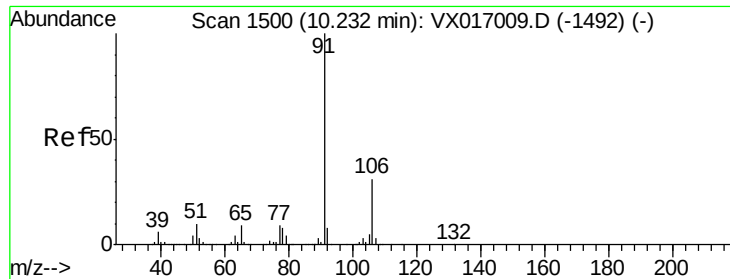


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 91.100 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1585354

Ion Ratio Lower Upper

91 100

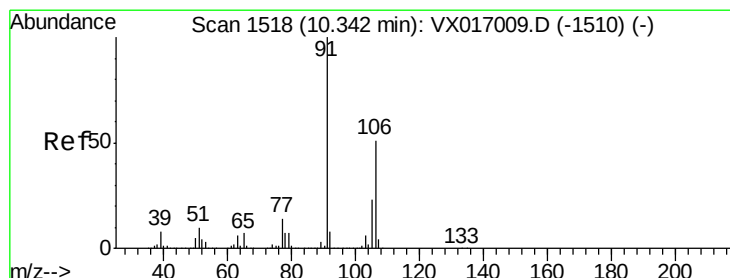
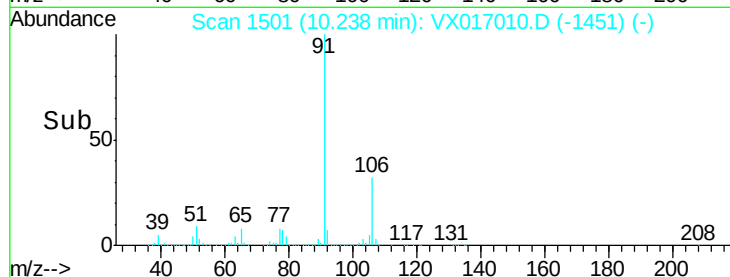
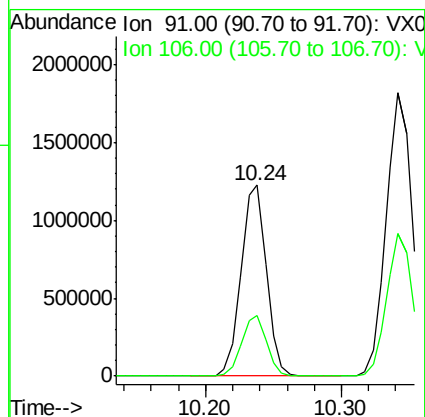
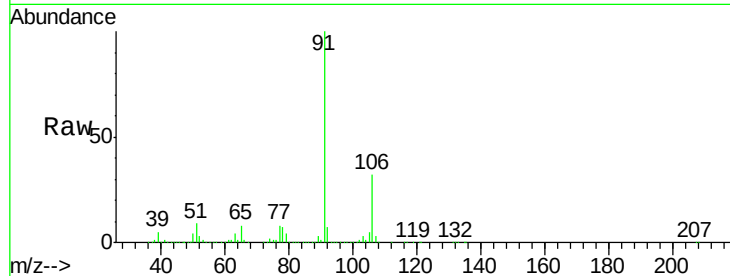
106 31.8 24.7 37.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 181.553 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017010.D

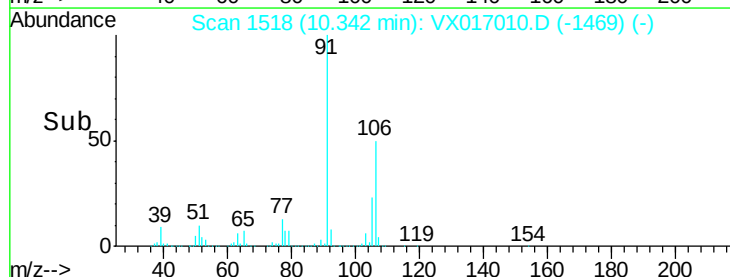
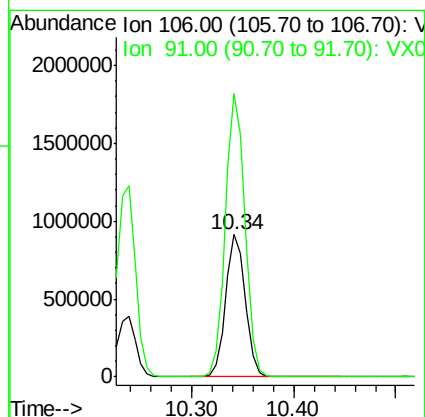
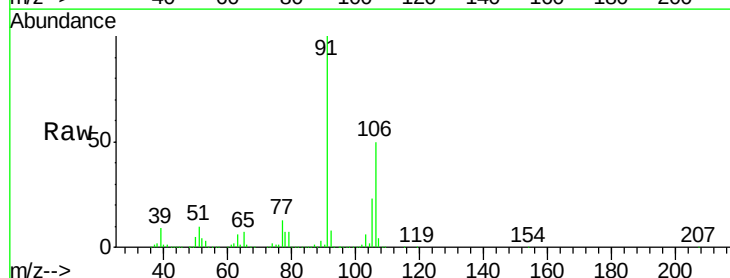
Acq: 29 Jun 2020 15:43

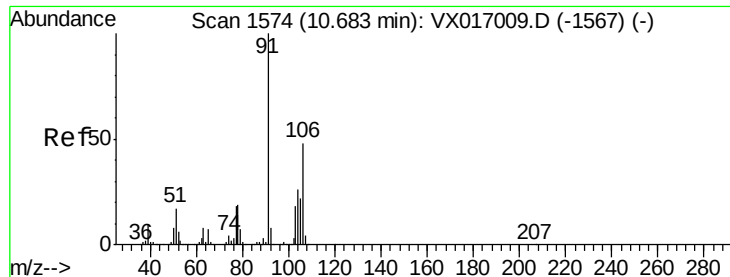
Tgt Ion: 106 Resp: 1213121

Ion Ratio Lower Upper

106 100

91 199.9 158.6 238.0





#69

o-Xylene

Concen: 92.446 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:106 Resp: 587633

Ion Ratio Lower Upper

106 100

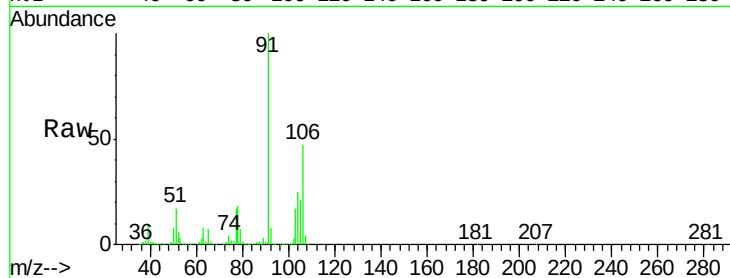
91 211.3 105.6 316.7

Manual Integrations

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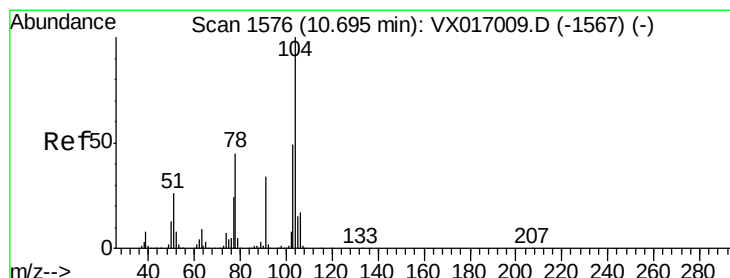
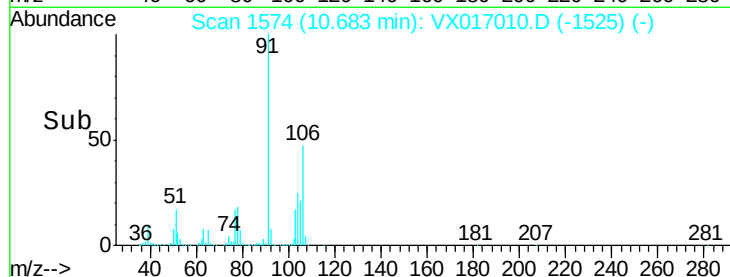
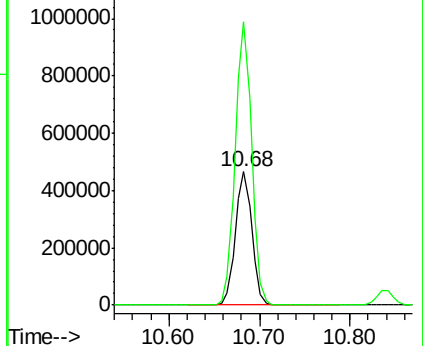
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 95.995 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

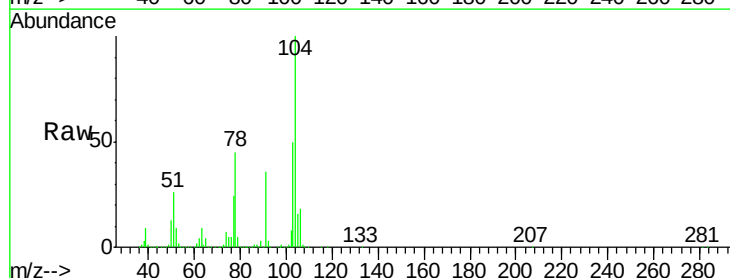
Tgt Ion:104 Resp: 1039095

Ion Ratio Lower Upper

104 100

78 49.7 39.5 59.3

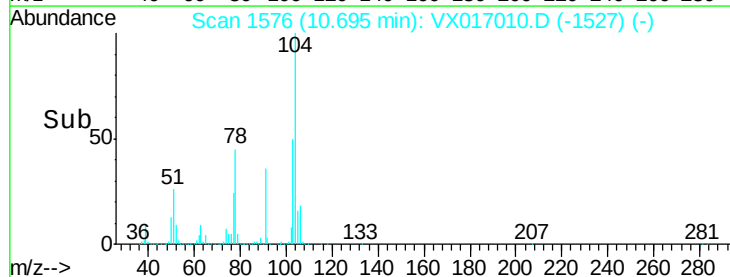
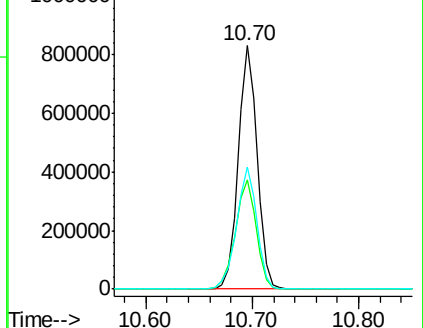
103 53.6 43.0 64.6

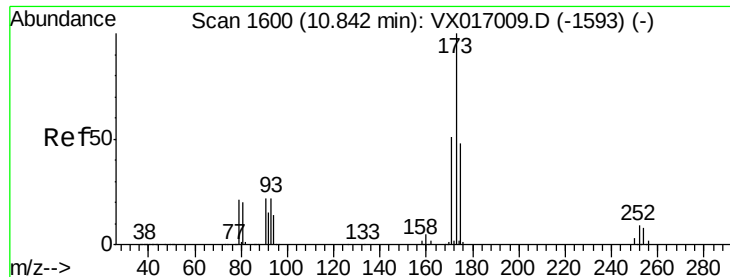


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





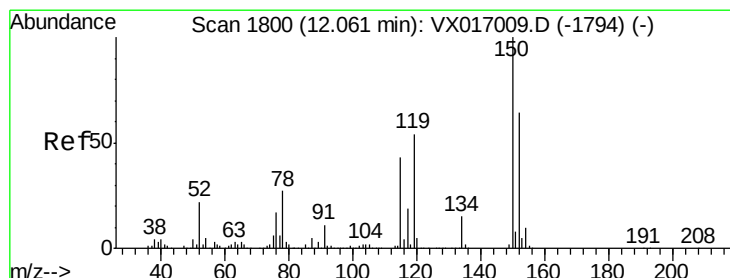
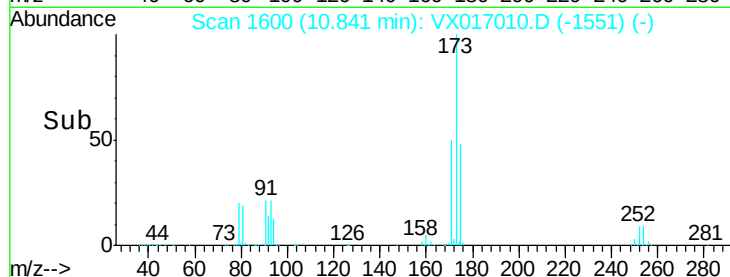
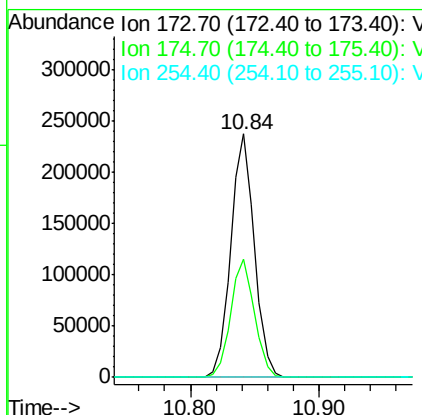
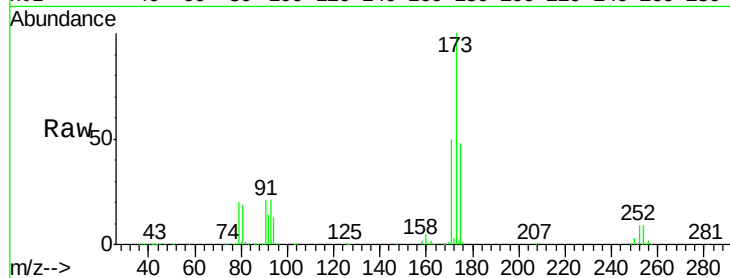
#71
Bromoform
Concen: 95.257 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.5	73.5
254	0.1	0.1	0.1

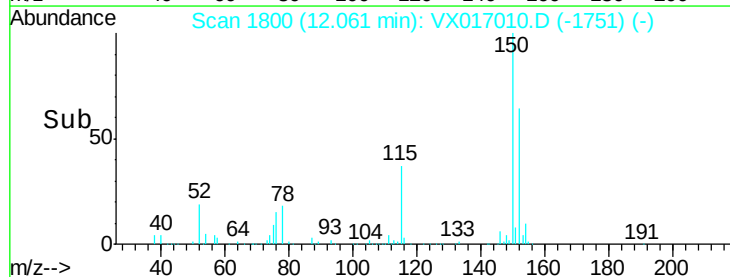
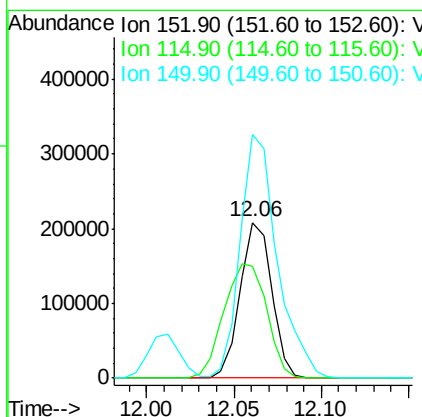
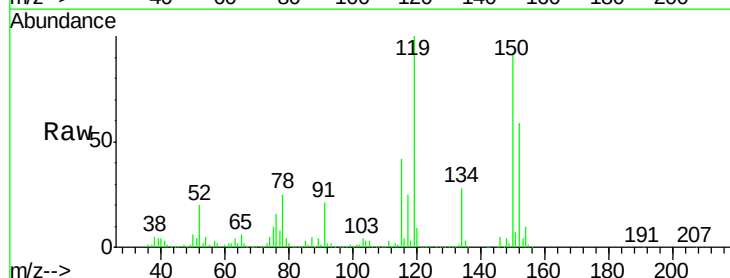
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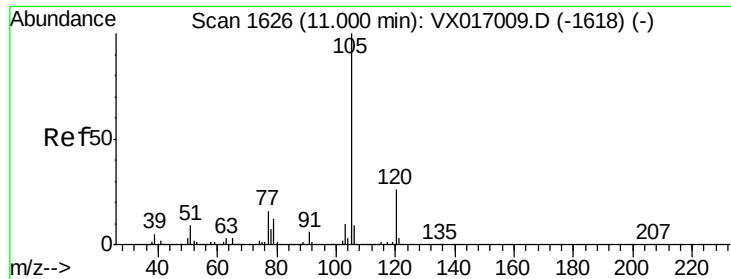
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	98.8	40.9	122.7
150	183.4	0.0	351.6





#73

Isopropylbenzene

Concen: 92.010 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1584699

Ion Ratio Lower Upper

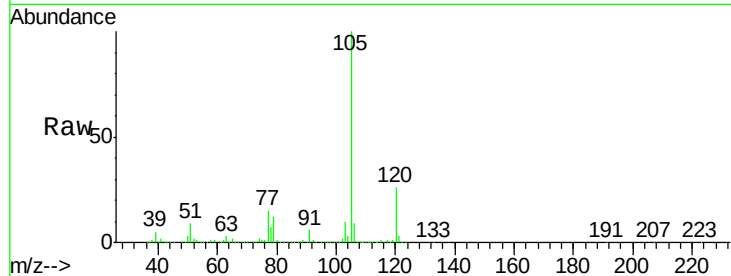
105 100

120 26.7 13.4 40.2

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

Ion 120.00 (119.70 to 120.70): V

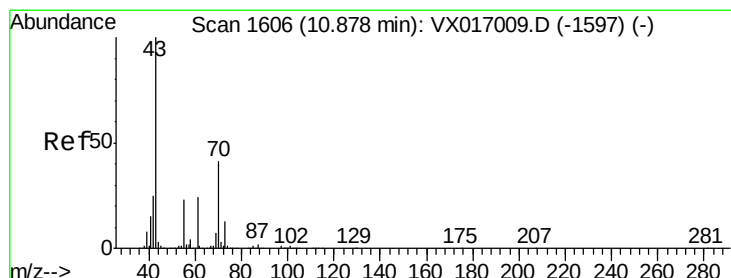
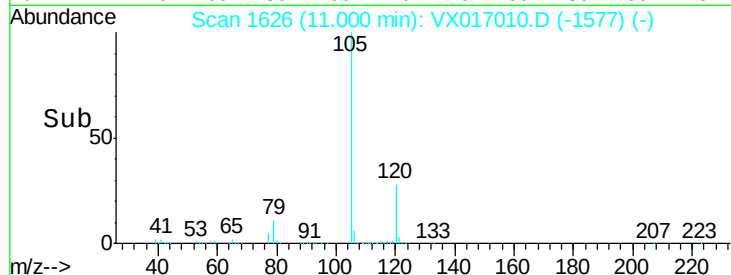
11.00

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 95.498 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tgt Ion: 43 Resp: 701815

Ion Ratio Lower Upper

43 100

70 42.9 34.2 51.2

55 23.8 19.2 28.8

61 24.7 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

800000

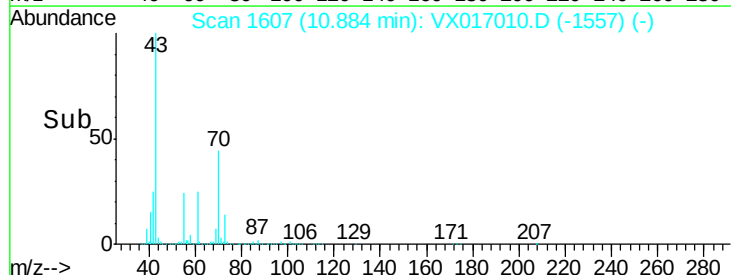
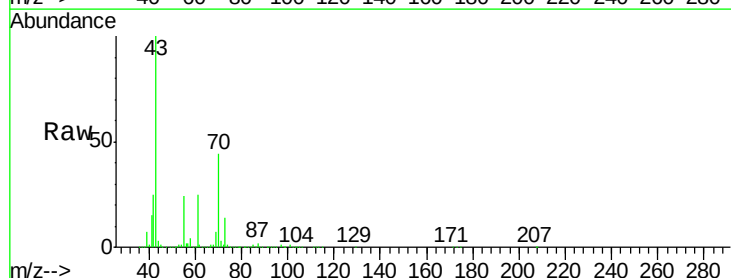
600000

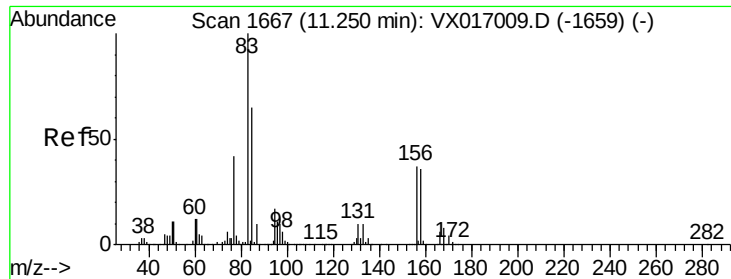
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 86.178 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 466883

Ion Ratio Lower Upper

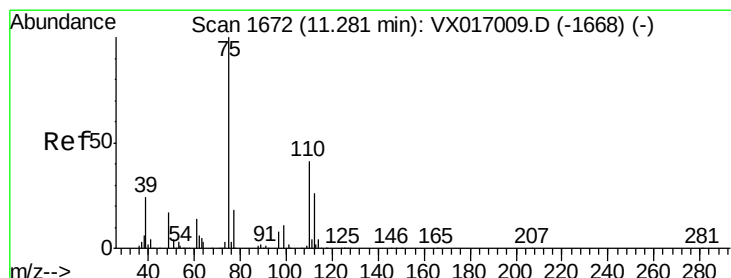
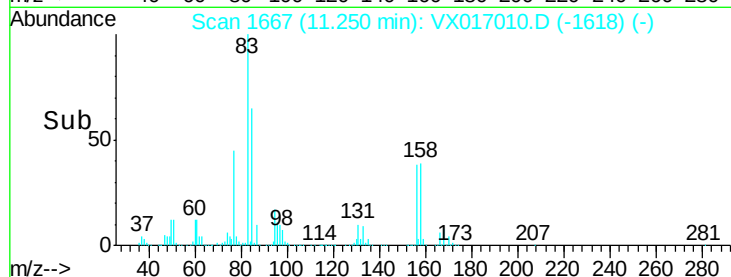
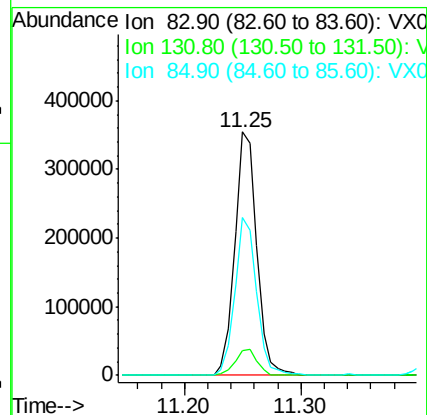
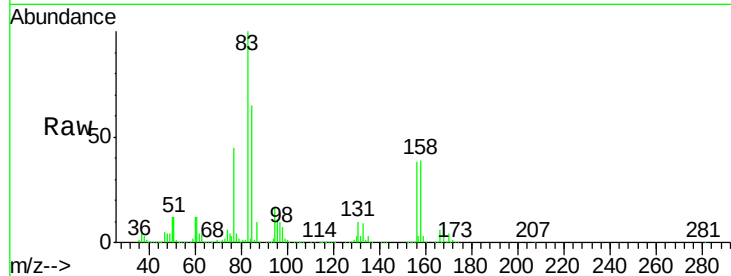
83 100

131 10.7 5.4 16.2

85 64.3 31.9 95.9

Manual Integrations
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6/30/2020 10:13:34 AM



#76

1,2,3-Trichloropropane

Concen: 69.154 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017010.D

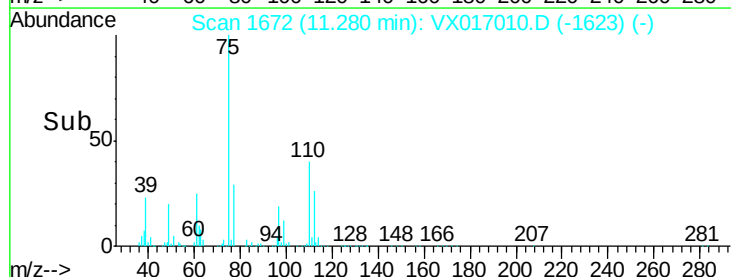
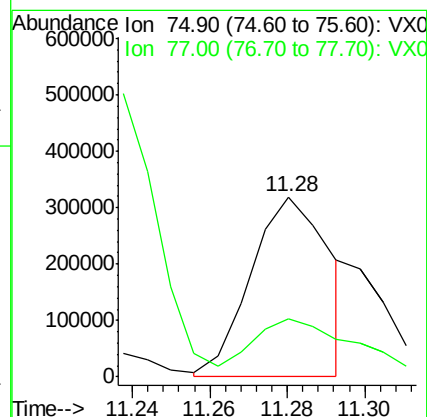
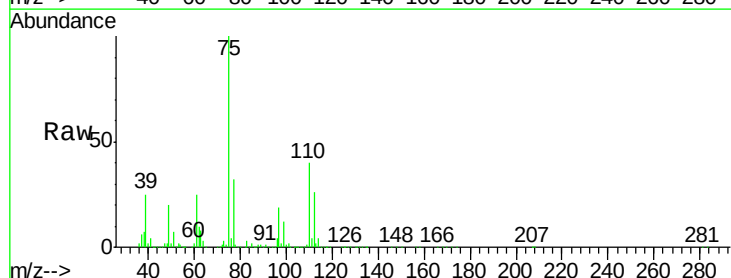
Acq: 29 Jun 2020 15:43

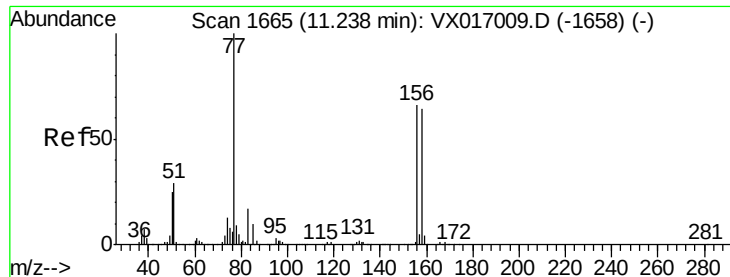
Tgt Ion: 75 Resp: 447809

Ion Ratio Lower Upper

75 100

77 42.0 20.2 60.6





#77

Bromobenzene

Concen: 87.504 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

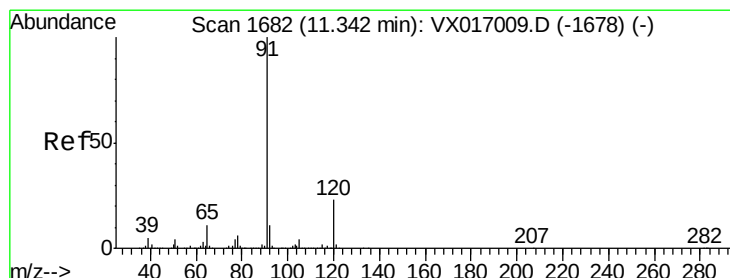
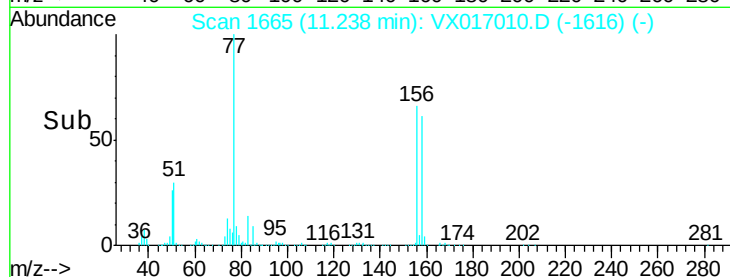
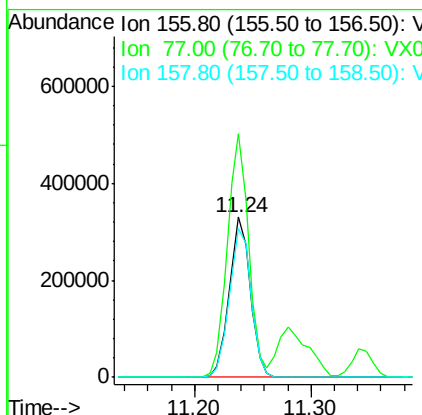
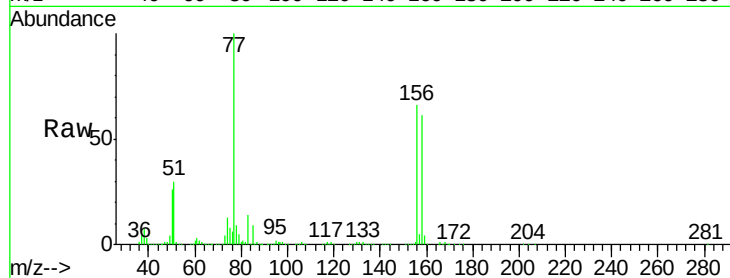
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.9	76.9	230.7
158	96.7	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 93.533 ug/l

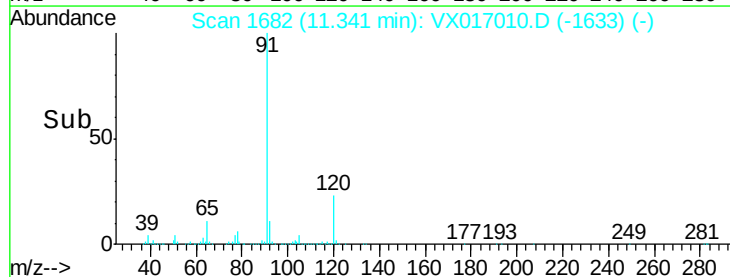
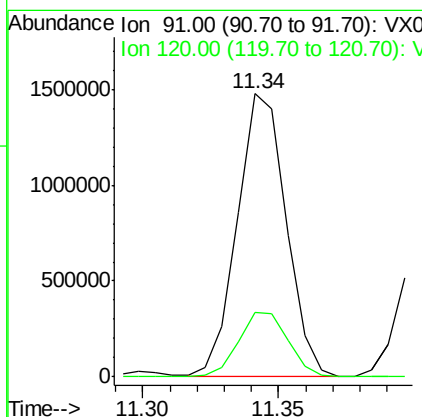
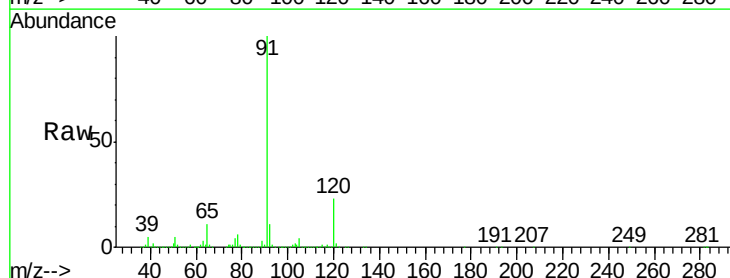
RT: 11.34 min Scan# 1682

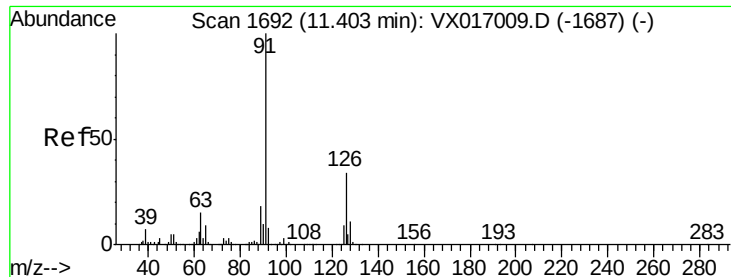
Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9





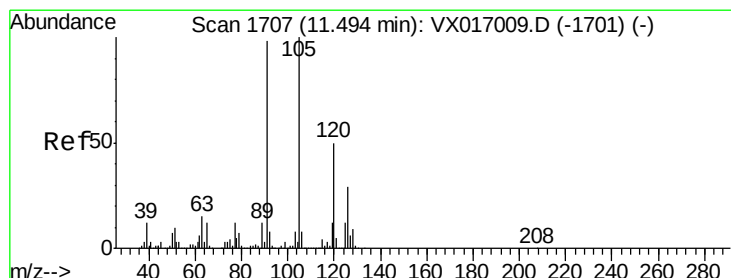
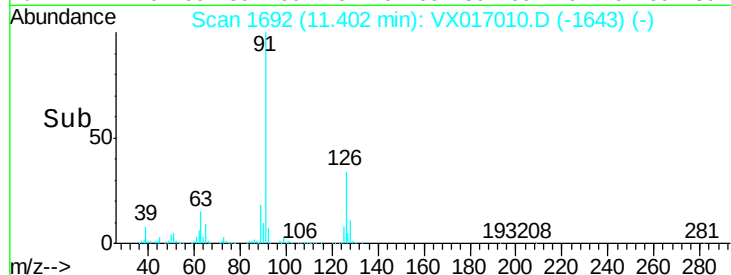
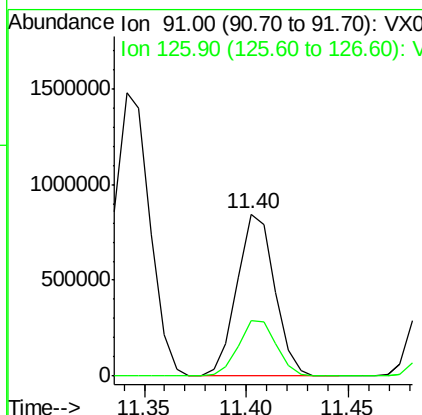
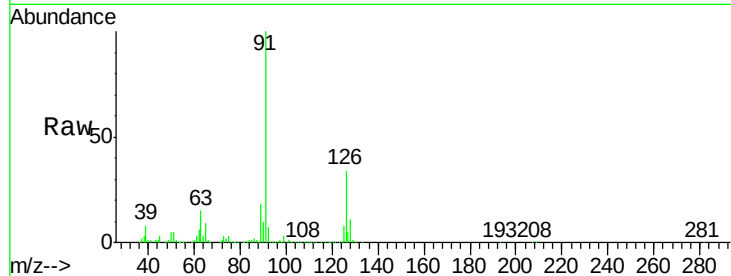
#79
2-Chlorotoluene
Concen: 91.672 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1080579
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3

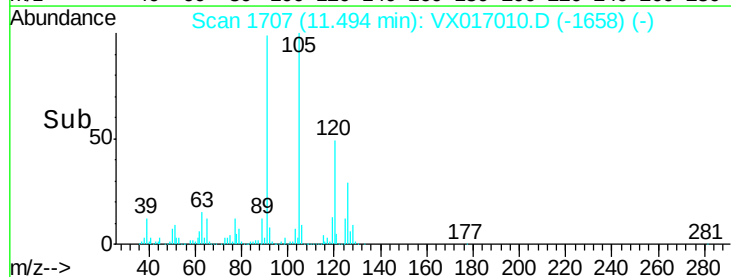
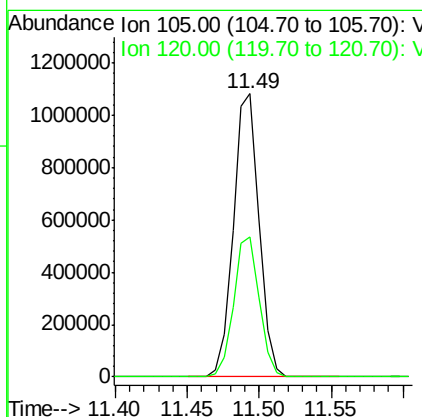
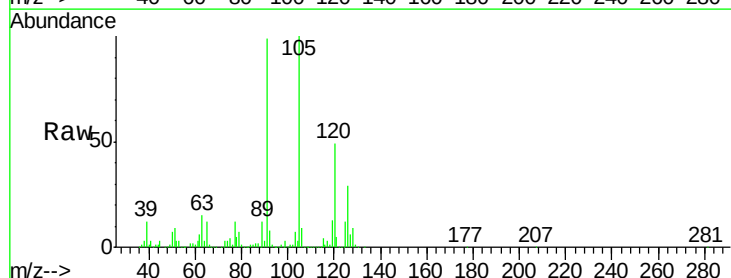
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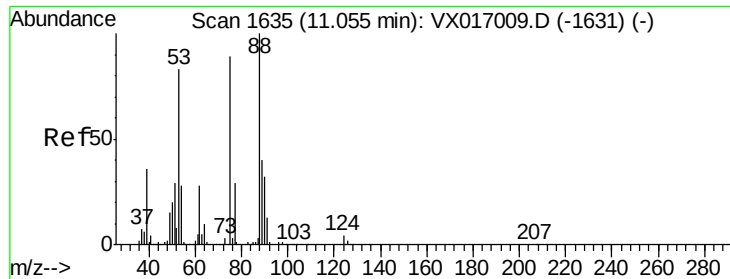
MMDadoda
6/30/2020 10:13:34 AM



#80
1,3,5-Trimethylbenzene
Concen: 94.264 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion: 105 Resp: 1346667
Ion Ratio Lower Upper
105 100
120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 92.048 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 183789

Ion Ratio Lower Upper

75 100

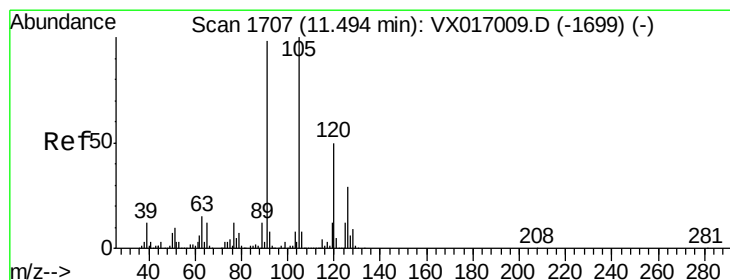
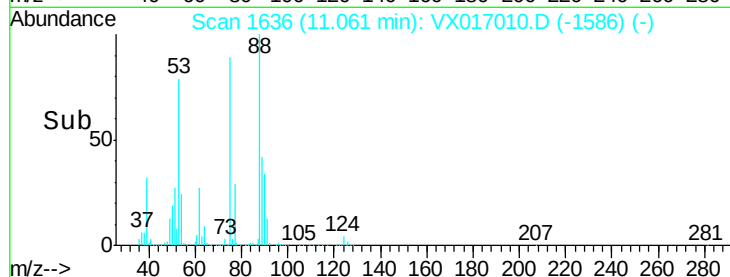
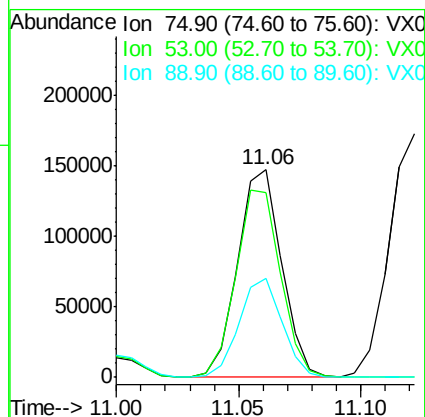
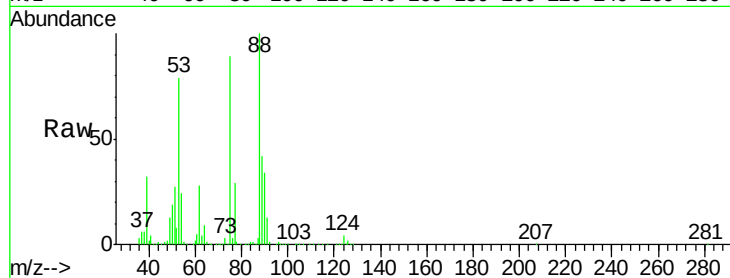
53 92.0 72.4 108.6

89 47.1 37.0 55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 90.790 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017010.D

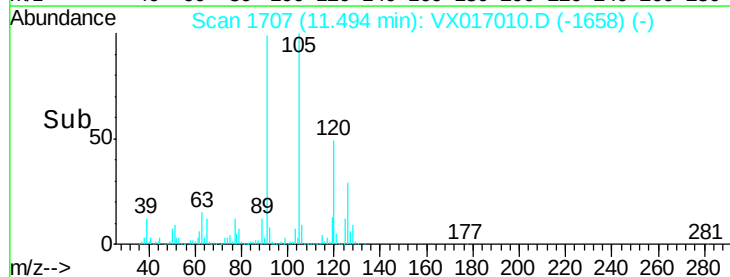
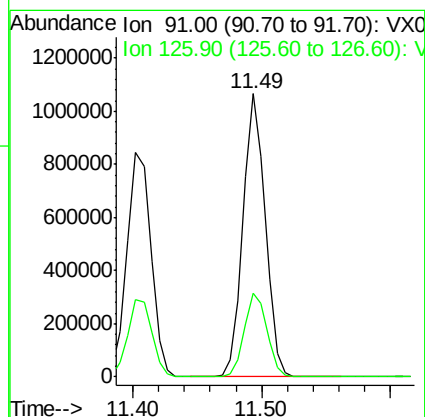
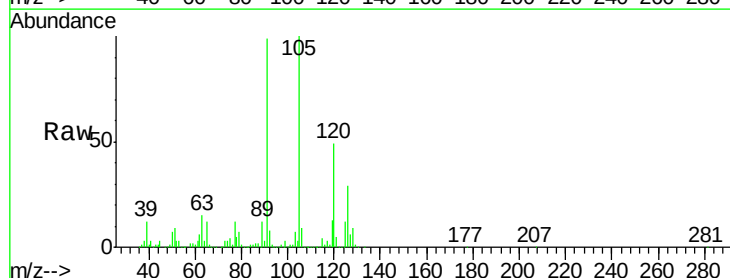
Acq: 29 Jun 2020 15:43

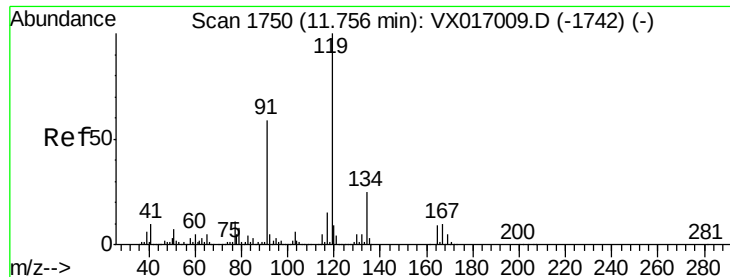
Tgt Ion: 91 Resp: 1279324

Ion Ratio Lower Upper

91 100

126 30.1 15.2 45.5





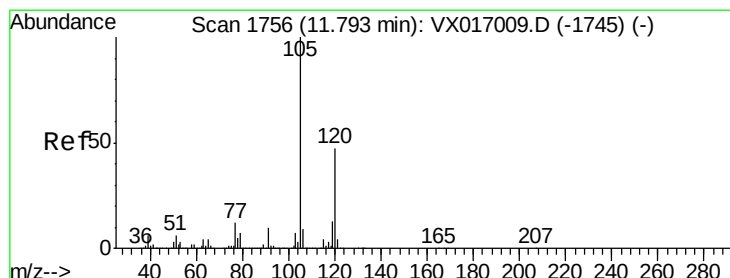
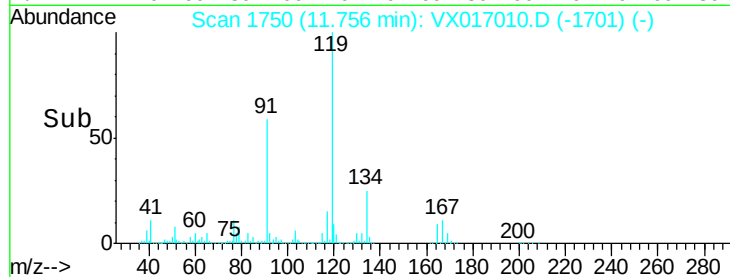
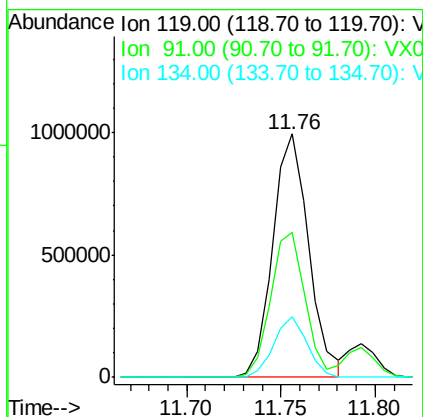
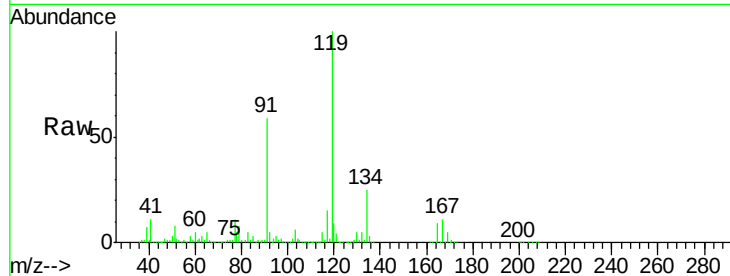
#83
 tert-Butylbenzene
 Concen: 93.443 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.1	28.3	84.9
134	23.3	11.7	35.1

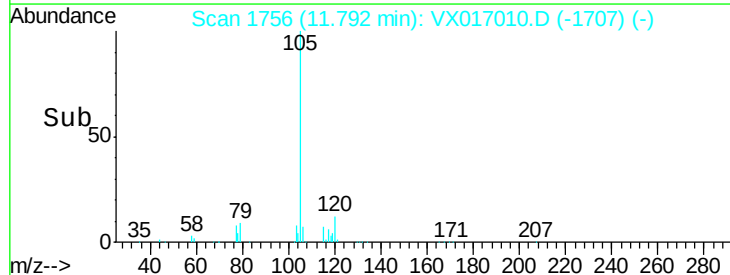
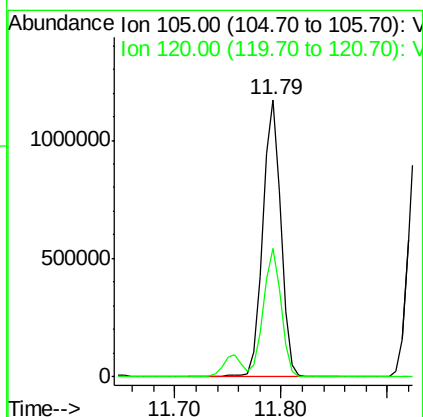
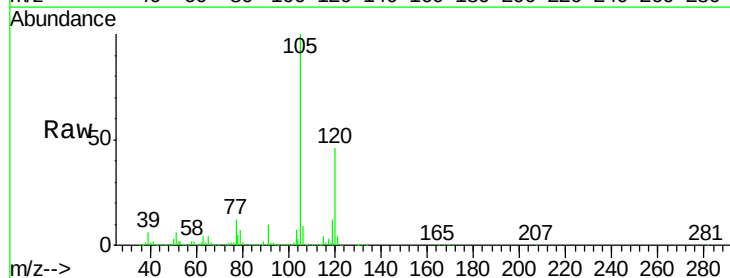
Manual Integrations
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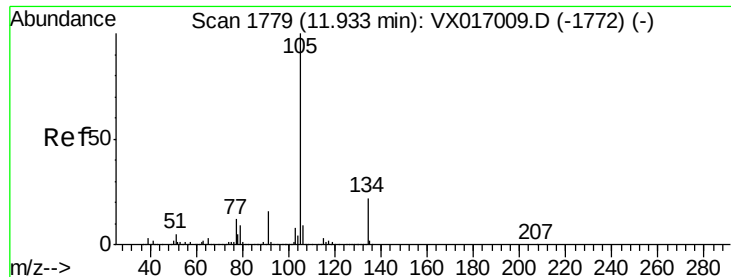
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#84
 1,2,4-Trimethylbenzene
 Concen: 96.126 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.5





#85

sec-Butylbenzene

Concen: 95.030 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1566555

Ion Ratio Lower Upper

105 100

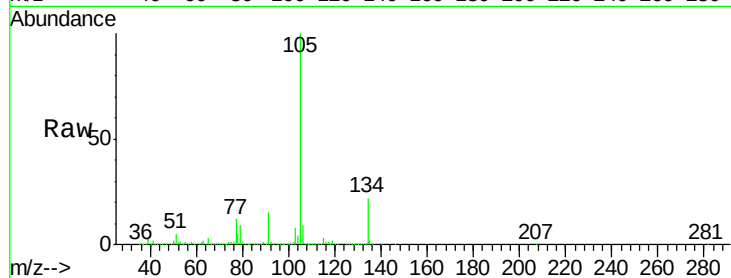
134 20.9 10.5 31.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

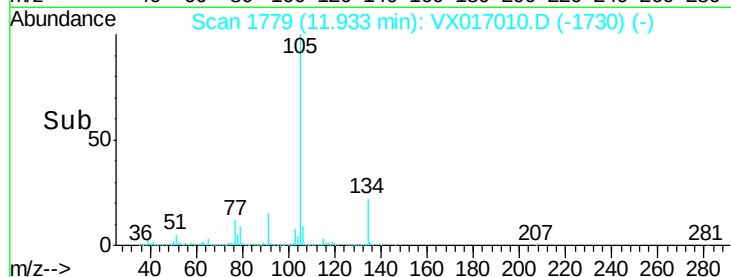
1500000

1100000

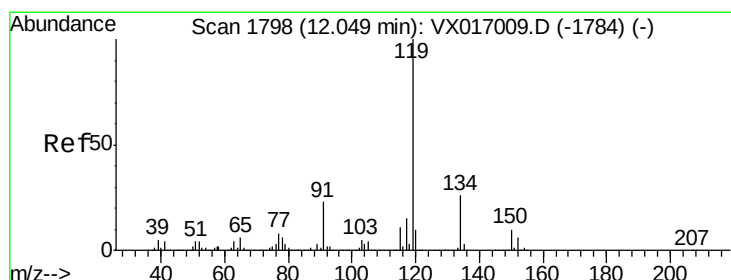
500000

0

Time-->



Time-->



#86

p-Isopropyltoluene

Concen: 94.792 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

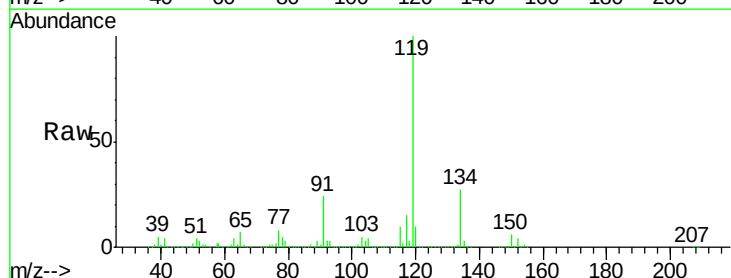
Tgt Ion:119 Resp: 1454687

Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

91 23.7 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

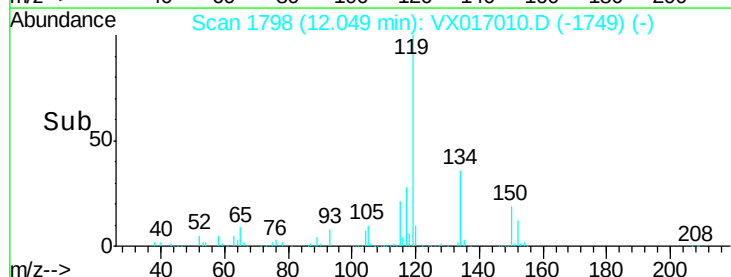
1500000

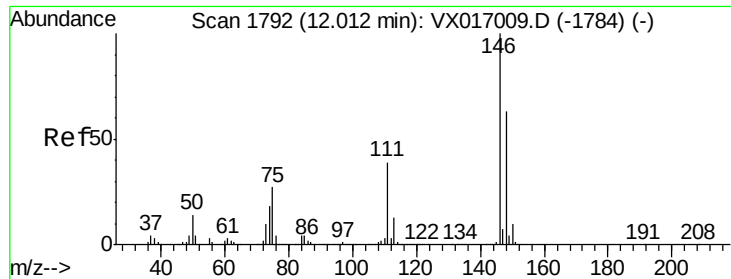
1000000

500000

0

Time-->





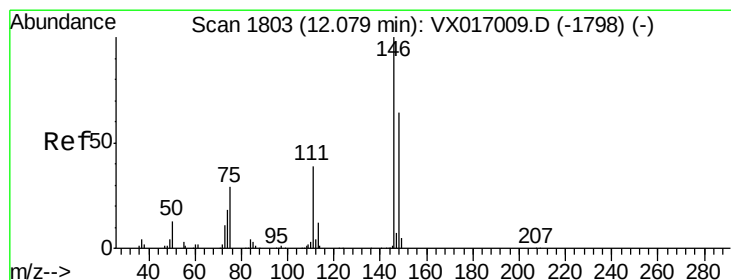
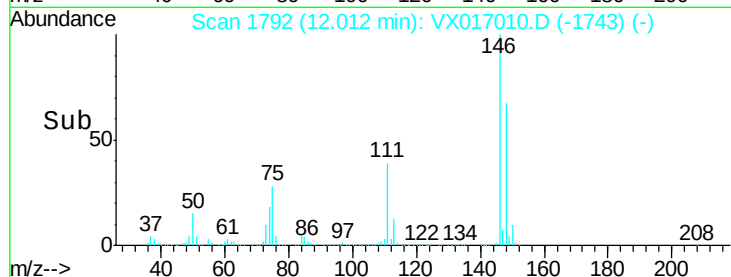
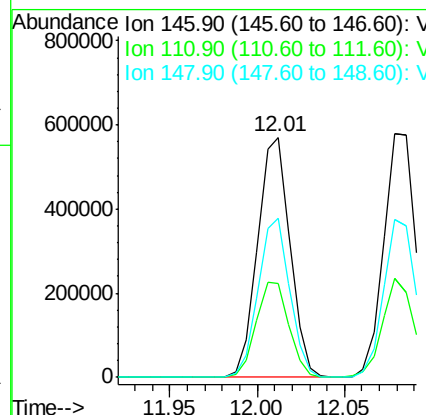
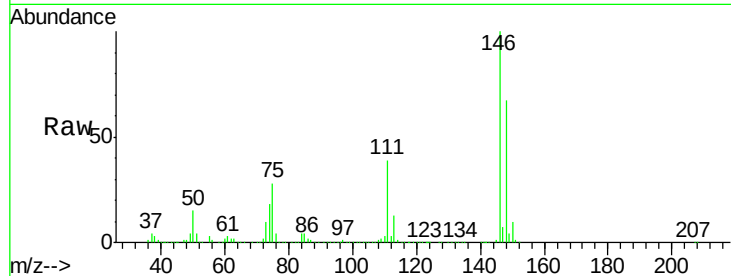
#87
 1,3-Dichlorobenzene
 Concen: 85.354 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.2
148	65.0	32.5	97.5

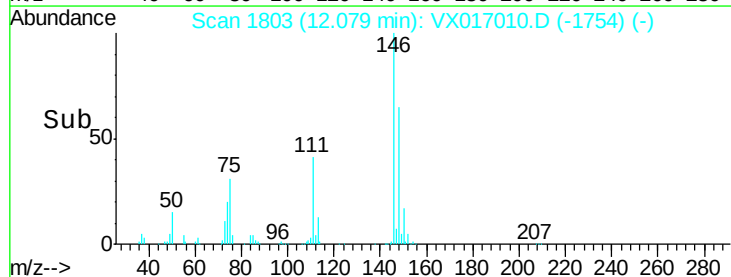
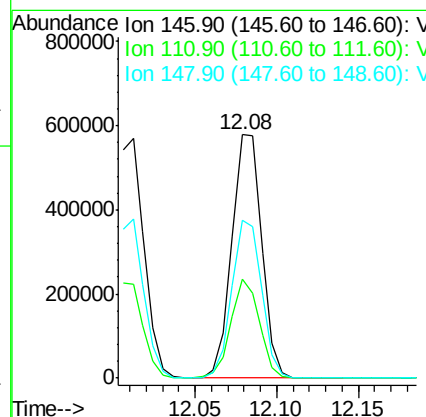
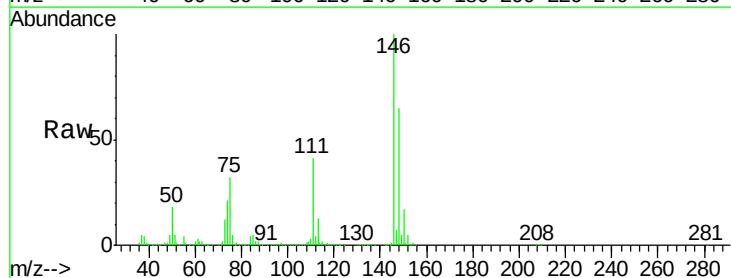
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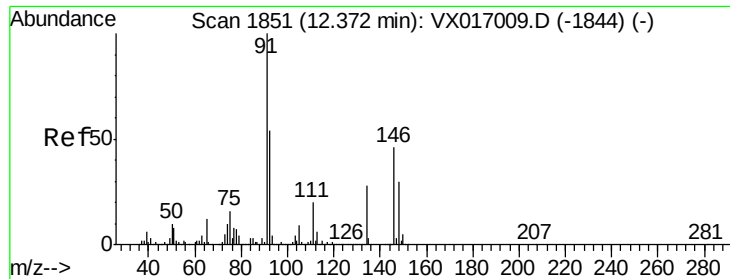
MMDadoda
 6/30/2020 10:13:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 85.284 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.7	31.9	95.7





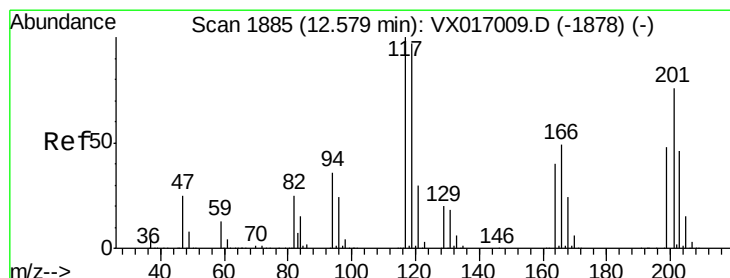
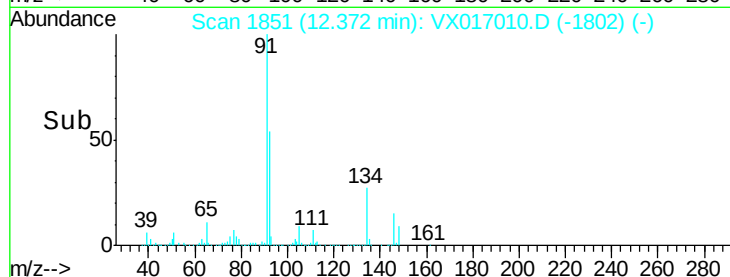
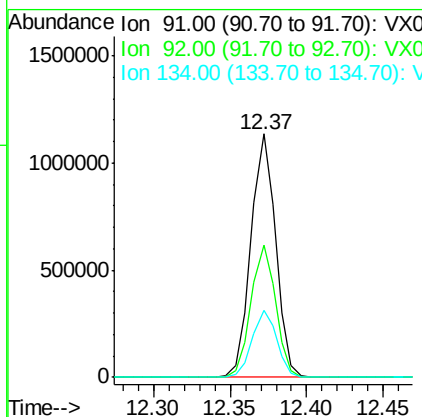
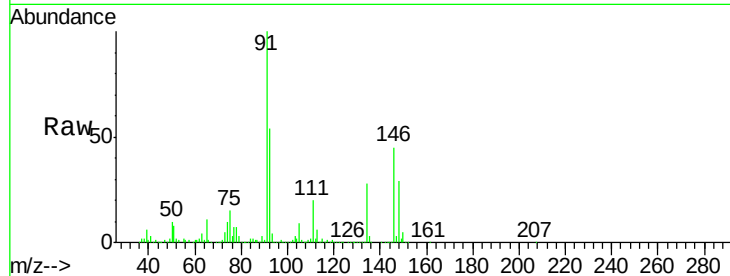
#89
n-Butylbenzene
Concen: 93.290 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1278315
Ion Ratio Lower Upper
91 100
92 54.4 27.2 81.6
134 27.7 13.6 40.7

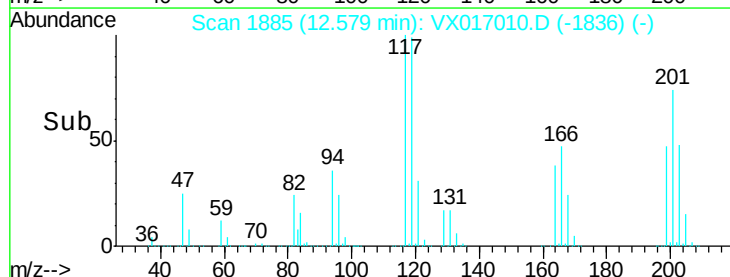
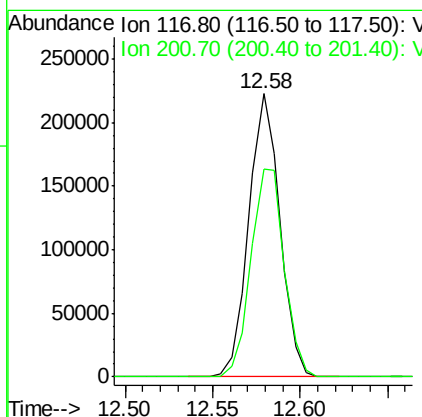
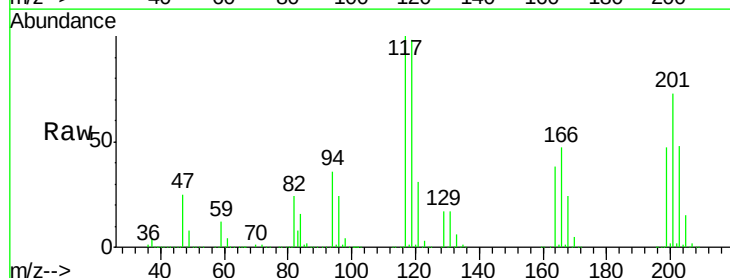
Manual Integrations
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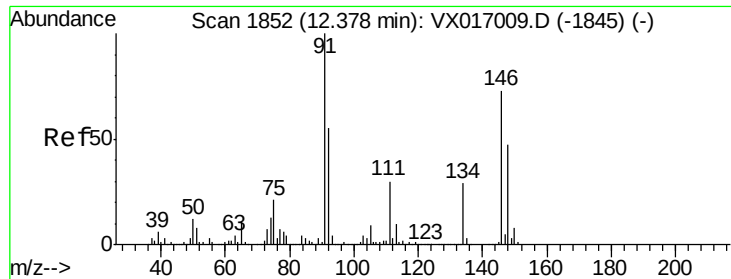
MMDadoda
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#90
Hexachloroethane
Concen: 90.900 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion: 117 Resp: 275090
Ion Ratio Lower Upper
117 100
201 78.6 39.4 118.2





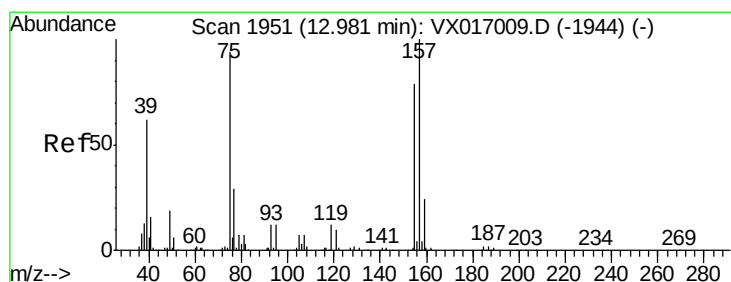
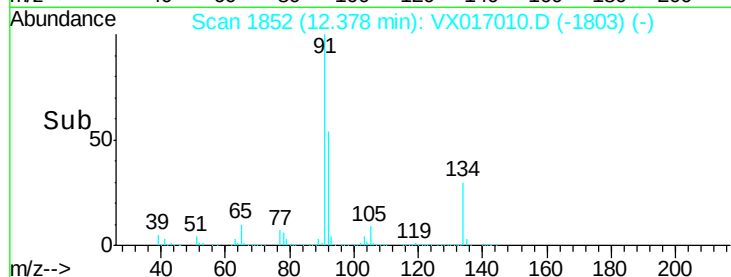
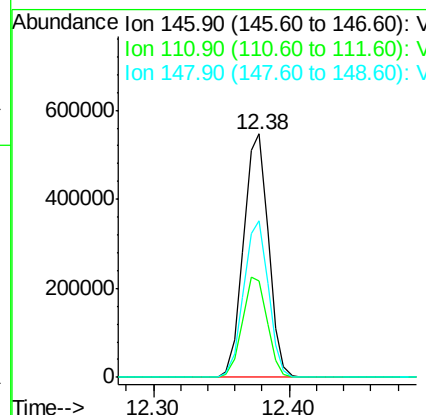
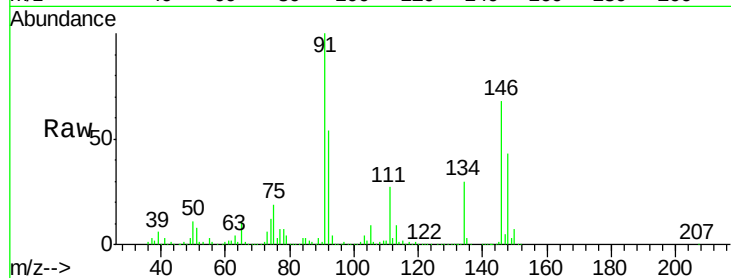
#91
 1,2-Dichlorobenzene
 Concen: 86.578 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	64.1	32.4	97.2

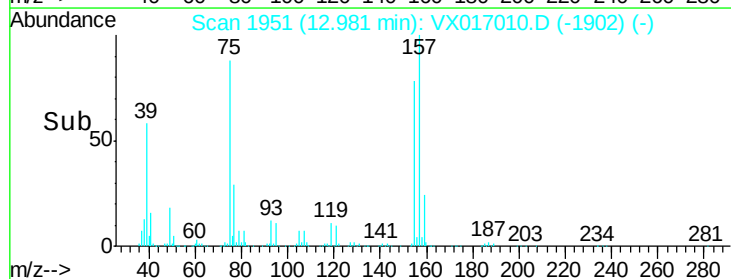
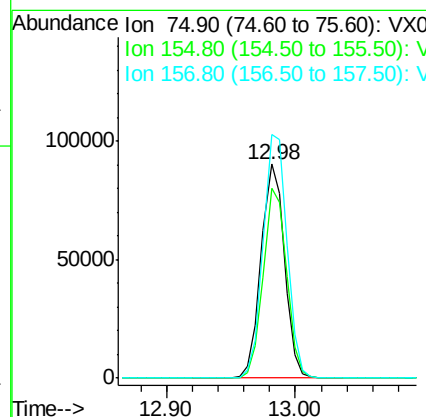
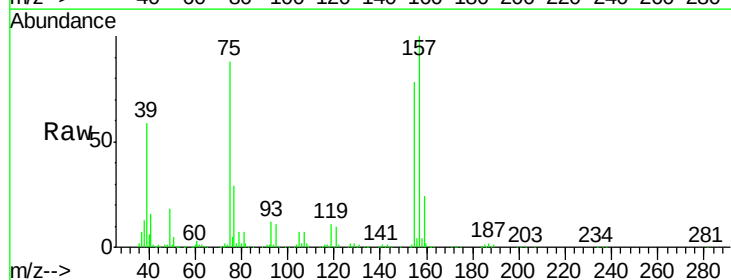
Manual Integrations
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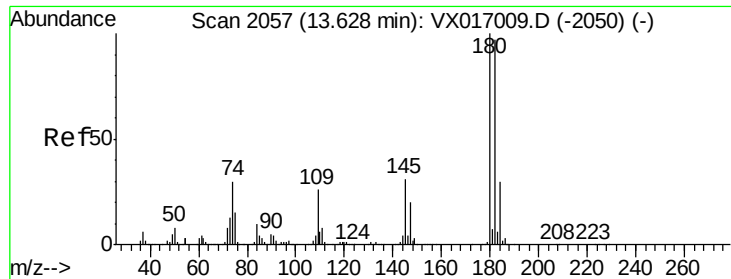
MMDadoda
 6/30/2020 10:13:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 87.201 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017010.D
 Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	45.1	135.2
157	116.2	56.5	169.3





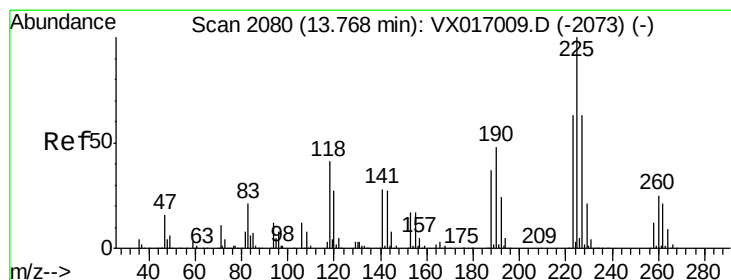
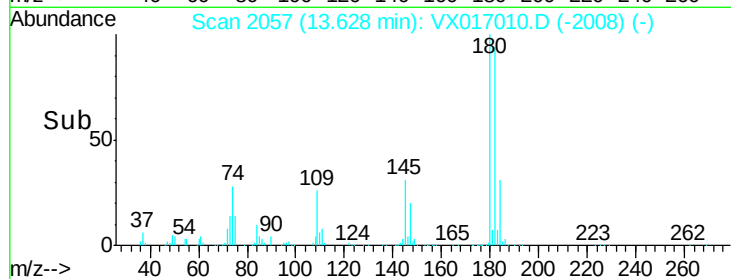
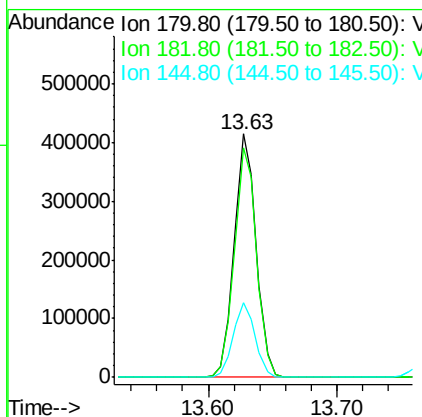
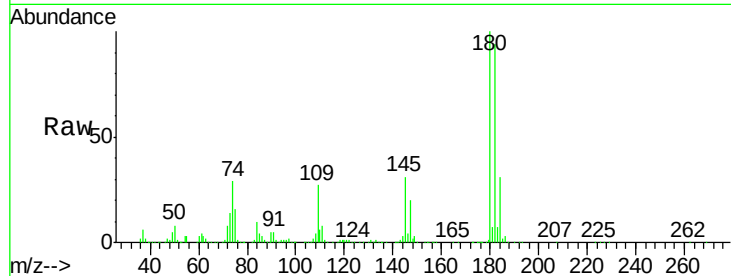
#93
1,2,4-Trichlorobenzene
Concen: 89.784 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	492460		
182	95.5	47.3	141.9	
145	30.8	15.4	46.2	

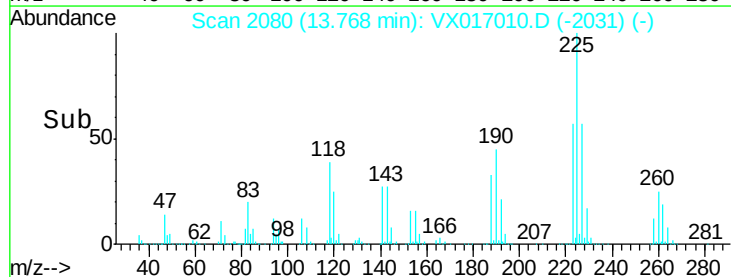
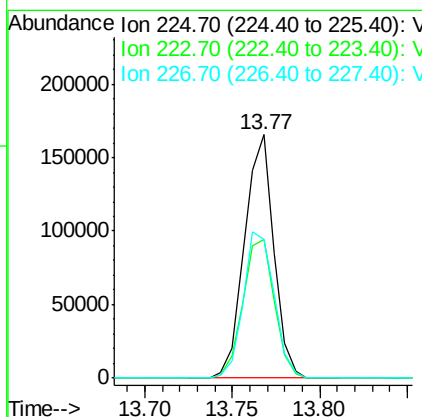
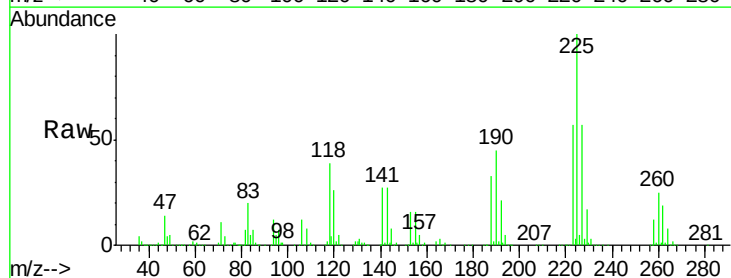
Manual Integrations
APPROVED

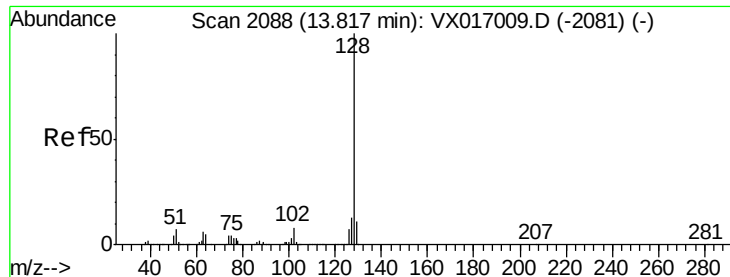
MMDadoda
6/30/2020 10:13:34 AM



#94
Hexachlorobutadiene
Concen: 86.636 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX017010.D
Acq: 29 Jun 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	192198		
223	61.6	32.5	97.5	
227	63.6	33.1	99.2	





#95

Naphthalene

Concen: 96.282 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1605517

Ion Ratio Lower Upper

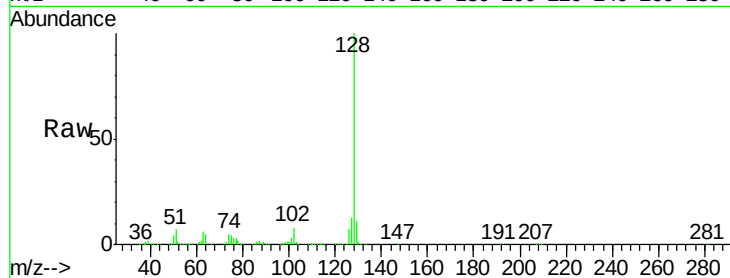
128 100

127 12.9 10.2 15.4

129 11.0 8.7 13.1

Manual Integrations
APPROVED

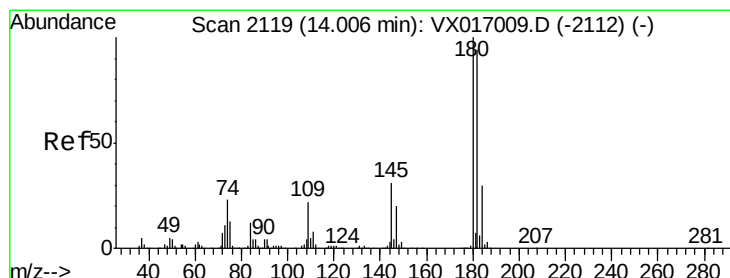
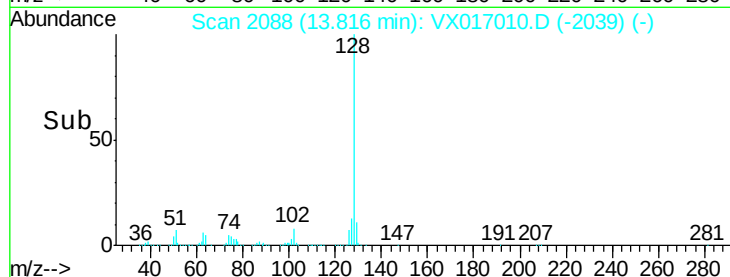
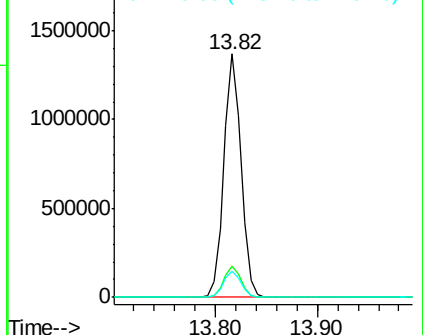
MMDadoda
6/30/2020 10:13:34 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 92.221 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX017010.D

Acq: 29 Jun 2020 15:43

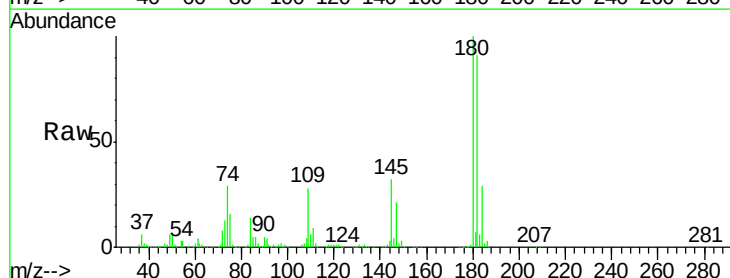
Tgt Ion:180 Resp: 489523

Ion Ratio Lower Upper

180 100

182 92.7 47.1 141.4

145 32.7 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

