

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
 Data File : VX016934.D
 Acq On : 23 Jun 2020 16:53
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:54:34 AM

Quant Time: Jun 24 00:24:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 00:11:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	205660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	372175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	349866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	161493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	61187	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
35) Dibromofluoromethane	5.47	113	47431	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	
50) Toluene-d8	8.70	98	166915	18.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.16%	
62) 4-Bromofluorobenzene	11.12	95	58451	16.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	54784	22.842	ug/l	100
3) Chloromethane	1.32	50	39990	17.711	ug/l	97
4) Vinyl Chloride	1.40	62	42222	18.703	ug/l	97
5) Bromomethane	1.64	94	24629	20.287	ug/l	96
6) Chloroethane	1.71	64	28136	17.209	ug/l	99
7) Trichlorofluoromethane	1.92	101	72079	18.101	ug/l	99
8) Diethyl Ether	2.17	74	26885	17.757	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	36815	16.578	ug/l	97
10) Methyl Iodide	2.50	142	55071	19.226	ug/l	97
11) Tert butyl alcohol	3.01	59	67088	98.242	ug/l	100
12) 1,1-Dichloroethene	2.35	96	35291	16.881	ug/l	95
13) Acrolein	2.28	56	31127	86.501	ug/l	96
14) Allyl chloride	2.71	41	89727	18.757	ug/l	98
15) Acrylonitrile	3.12	53	143407	96.137	ug/l	99
16) Acetone	2.42	43	107767	87.304	ug/l	99
17) Carbon Disulfide	2.55	76	115099	17.507	ug/l	97
18) Methyl Acetate	2.75	43	77704	19.010	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	167714	18.559	ug/l	97
20) Methylene Chloride	2.84	84	54891	17.826	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	47121	18.079	ug/l	99
22) Diisopropyl ether	3.83	45	148843	17.688	ug/l	92
23) Vinyl Acetate	3.79	43	634391	93.347	ug/l	96
24) 1,1-Dichloroethane	3.67	63	93518	19.299	ug/l	99
25) 2-Butanone	4.64	43	167359	85.910	ug/l	96
26) 2,2-Dichloropropane	4.55	77	69559	16.329	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	46316	15.798	ug/l	98
28) Bromochloromethane	4.98	49	42805	17.008	ug/l	97
29) Tetrahydrofuran	5.09	42	125256	104.725	ug/l	99
30) Chloroform	5.18	83	92954	18.209	ug/l	95
31) Cyclohexane	5.55	56	76008	19.689	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	83959	18.761	ug/l	98
36) 1,1-Dichloropropene	5.78	75	68106	19.189	ug/l	100
37) Ethyl Acetate	4.80	43	71753	18.400	ug/l	98
38) Carbon Tetrachloride	5.76	117	74943	19.746	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	73214	18.717	ug/l	98
40) Benzene	6.12	78	192464	18.926	ug/l	97
41) Methacrylonitrile	5.00	41	42805	18.843	ug/l	97
42) 1,2-Dichloroethane	6.17	62	80456	19.275	ug/l	99
43) Isopropyl Acetate	6.41	43	107836	15.871	ug/l	100
44) Trichloroethene	7.19	130	53213	18.695	ug/l	96
45) 1,2-Dichloropropane	7.49	63	53446	18.970	ug/l	96
46) Dibromomethane	7.64	93	36811	18.904	ug/l	98
47) Bromodichloromethane	7.87	83	75511	18.489	ug/l	97
48) Methyl methacrylate	7.74	41	59117	18.712	ug/l	99
49) 1,4-Dioxane	7.71	88	25869	380.717	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	352885	89.164	ug/l	100
52) Toluene	8.76	92	115982	18.567	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	85956	18.285	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	83947	18.506	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	53557	18.931	ug/l	98
56) Ethyl methacrylate	9.16	69	78195	17.844	ug/l	99
57) 1,3-Dichloropropane	9.35	76	87683	18.492	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	190510	106.135	ug/l	100
59) 2-Hexanone	9.47	43	301949	99.633	ug/l	99
60) Dibromochloromethane	9.57	129	61012	19.714	ug/l	98
61) 1,2-Dibromoethane	9.65	107	56910	19.538	ug/l	99
64) Tetrachloroethene	9.32	164	45310	19.078	ug/l	97
65) Chlorobenzene	10.12	112	134339	18.798	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.20	131	53468	19.316	ug/l	95
67) Ethyl Benzene	10.24	91	236103	18.474	ug/l	100
68) m/p-Xylenes	10.34	106	176659	37.639	ug/l	99
69) o-Xylene	10.68	106	87664	19.553	ug/l	98
70) Styrene	10.69	104	148586	19.473	ug/l	98
71) Bromoform	10.84	173	38777	18.839	ug/l #	100
73) Isopropylbenzene	11.00	105	237156	19.791	ug/l	99
74) N-amyl acetate	10.88	43	108242	18.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	74552	18.593	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	75717m	16.377	ug/l	
77) Bromobenzene	11.24	156	55538	18.877	ug/l	96
78) n-propylbenzene	11.34	91	226280	16.563	ug/l	100
79) 2-Chlorotoluene	11.40	91	148470	17.164	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	178936	17.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	29520	19.004	ug/l	99
82) 4-Chlorotoluene	11.49	91	174189	16.822	ug/l	99
83) tert-Butylbenzene	11.76	119	184445	18.667	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	197025	19.650	ug/l	99
85) sec-Butylbenzene	11.93	105	209180	18.766	ug/l	100
86) p-Isopropyltoluene	12.05	119	202466	19.625	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	94343	17.830	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	101148	19.055	ug/l	97
89) n-Butylbenzene	12.37	91	172484	17.658	ug/l	98
90) Hexachloroethane	12.58	117	34714	17.129	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	87779	17.216	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	18166	17.648	ug/l	96

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ClientSampleId :
VSTDICC020

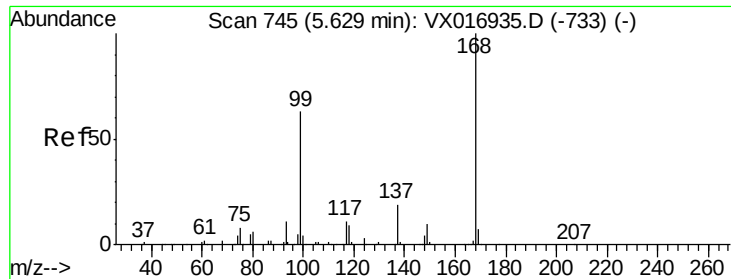
Manual Integrations
APPROVED

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6/24/2020 10:54:34 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	55835	16.763	ug/l	98
94) Hexachlorobutadiene	13.77	225	20818	17.915	ug/l	97
95) Naphthalene	13.82	128	217639	19.229	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	58300	18.095	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 205660

Ion Ratio Lower Upper

168 100

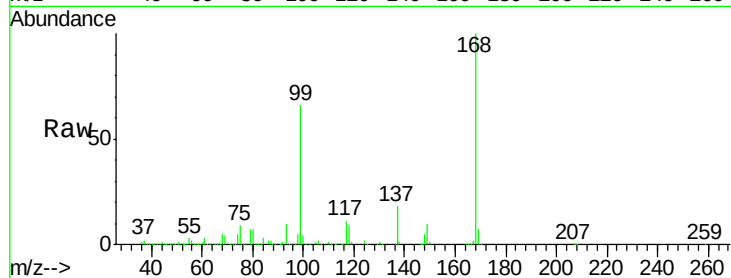
99 65.7 50.6 75.8

Manual Integrations

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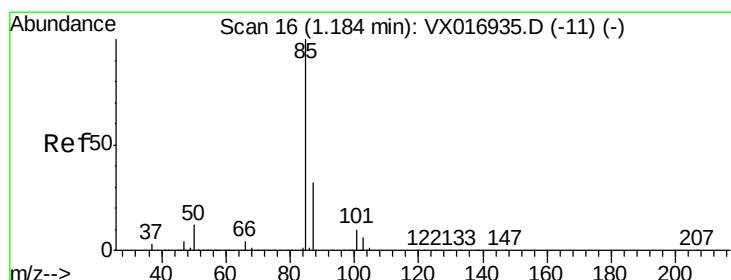
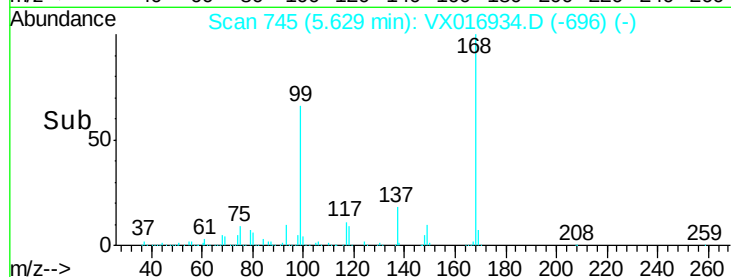
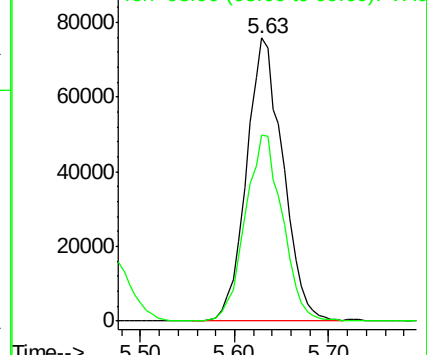
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.842 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016934.D

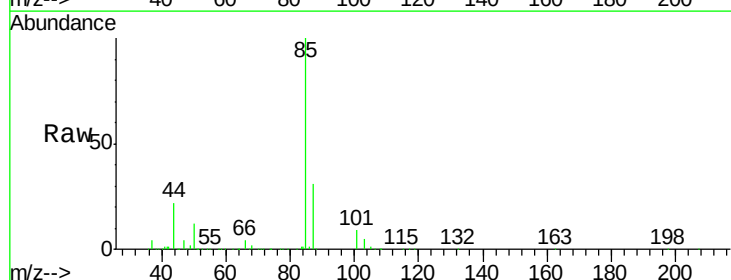
Acq: 23 Jun 2020 16:53

Tgt Ion: 85 Resp: 54784

Ion Ratio Lower Upper

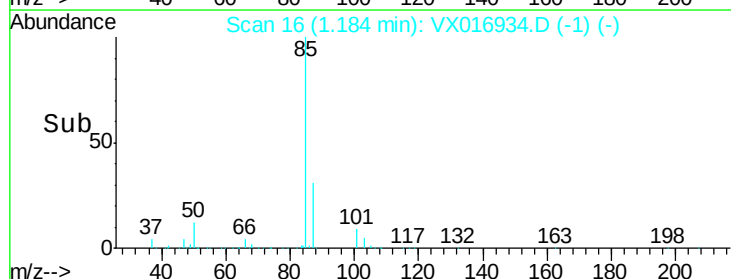
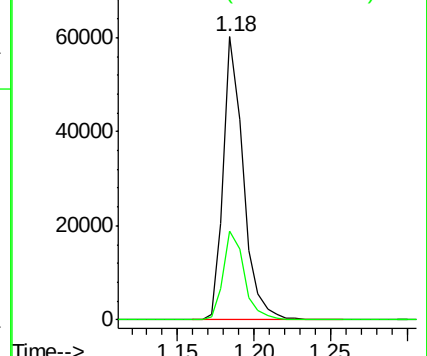
85 100

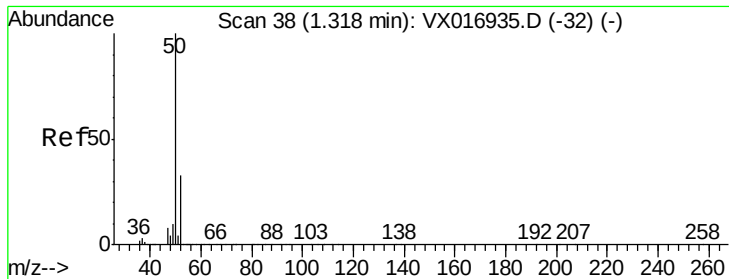
87 31.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.711 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 39990

Ion Ratio Lower Upper

50 100

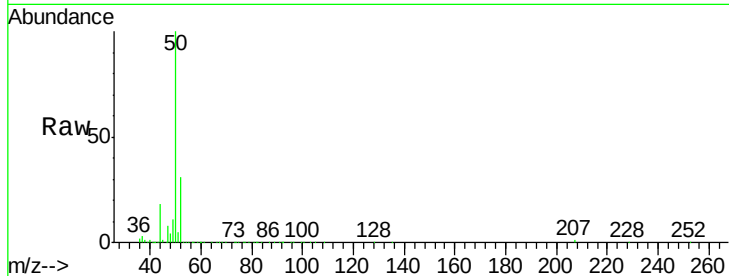
52 30.9 26.0 39.0

Manual Integrations

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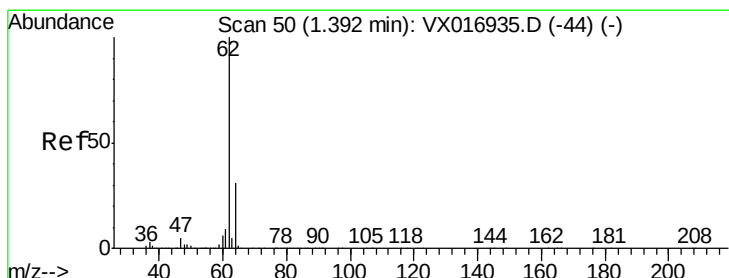
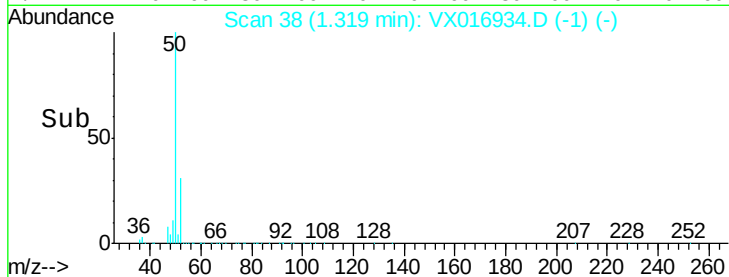
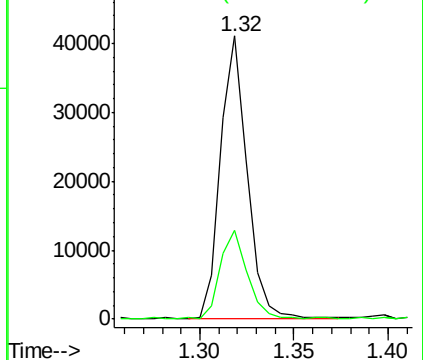
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.703 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX016934.D

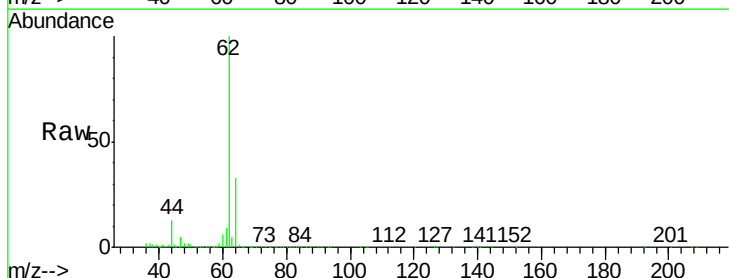
Acq: 23 Jun 2020 16:53

Tgt Ion: 62 Resp: 42222

Ion Ratio Lower Upper

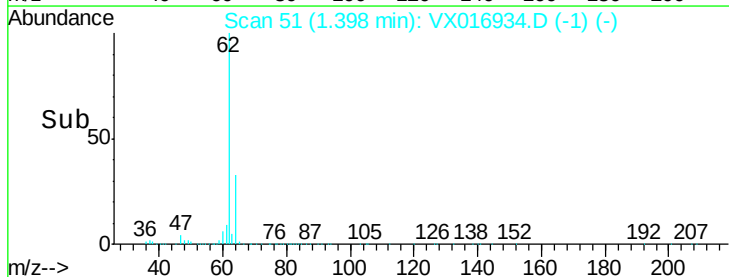
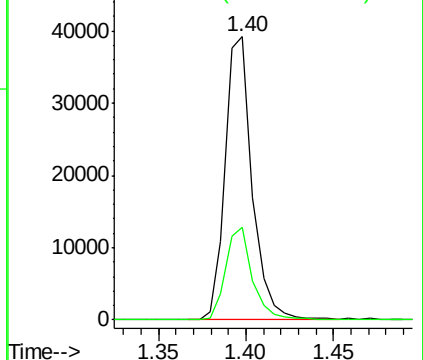
62 100

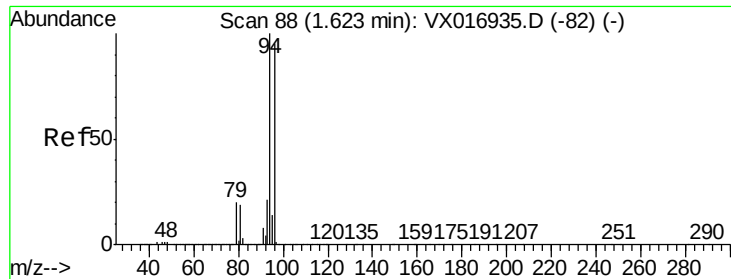
64 32.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.287 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 24629

Ion Ratio Lower Upper

94 100

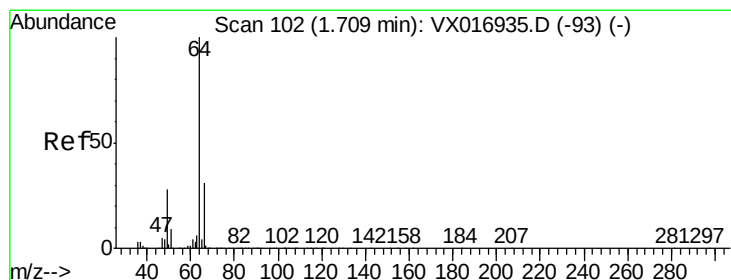
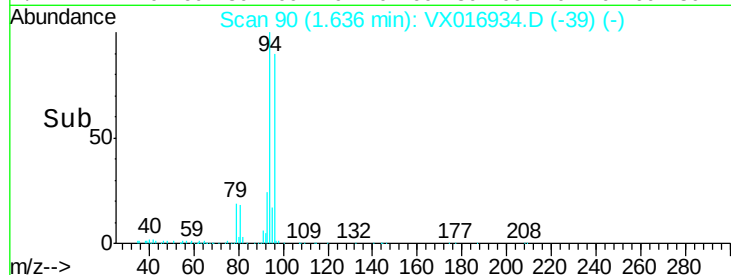
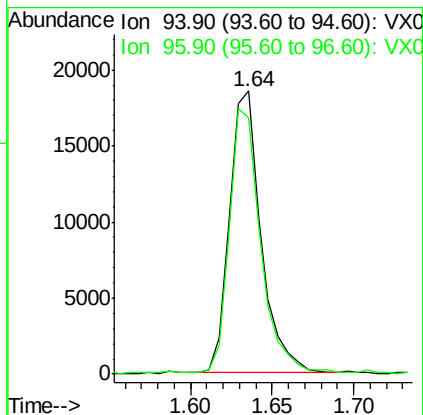
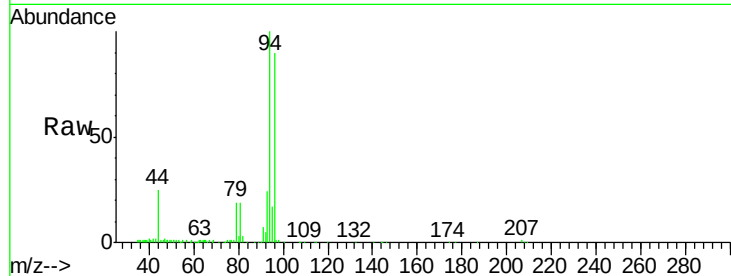
96 90.5 75.9 113.9

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#6

Chloroethane

Concen: 17.209 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016934.D

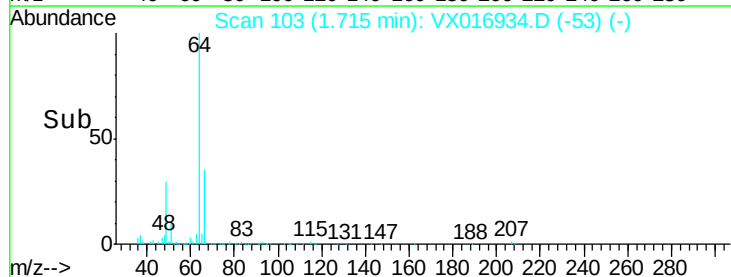
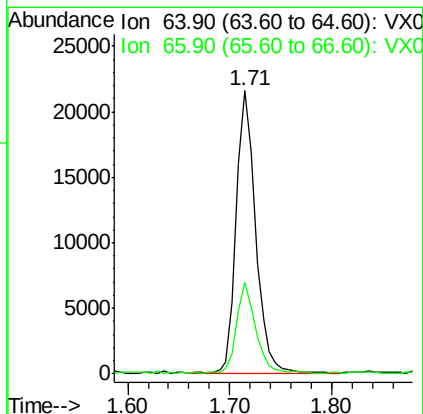
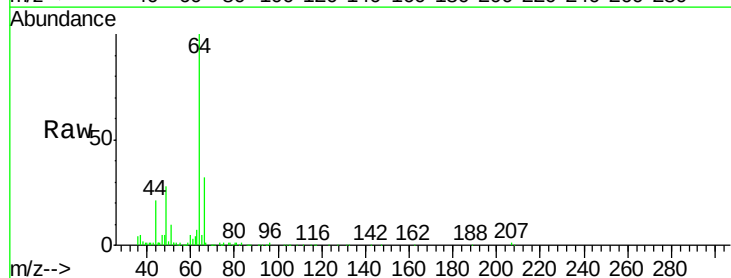
Acq: 23 Jun 2020 16:53

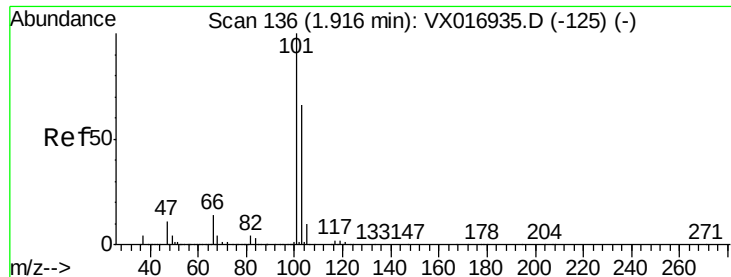
Tgt Ion: 64 Resp: 28136

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6





#7

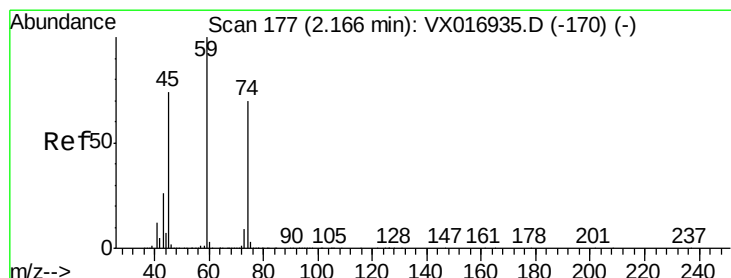
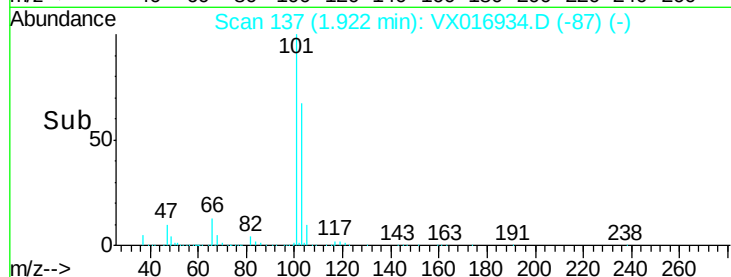
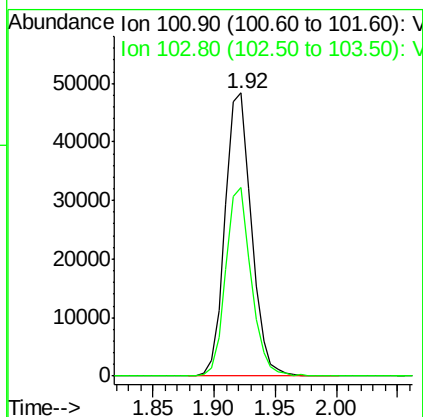
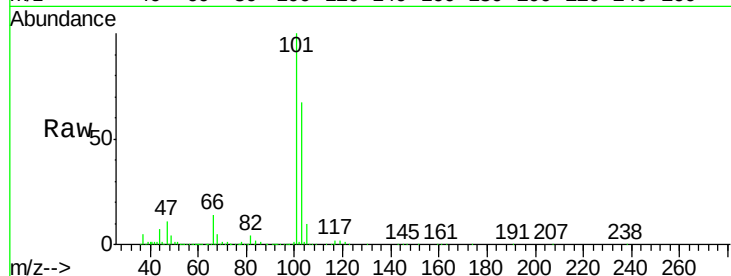
Trichlorofluoromethane
Concen: 18.101 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	53.0	79.4

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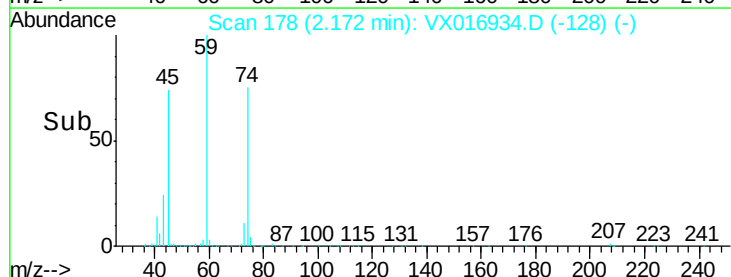
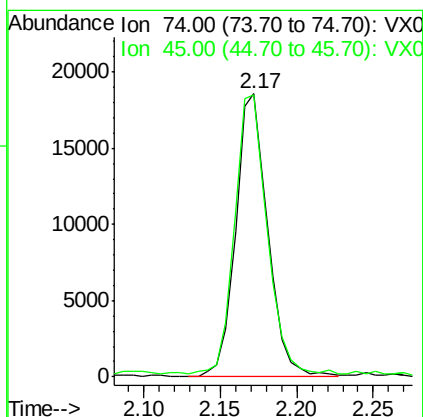
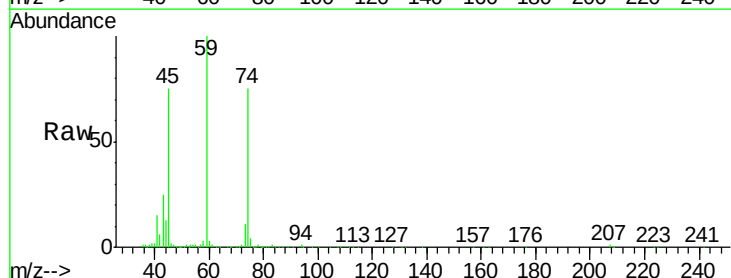
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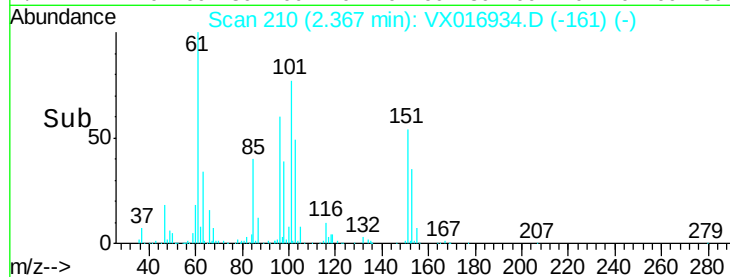
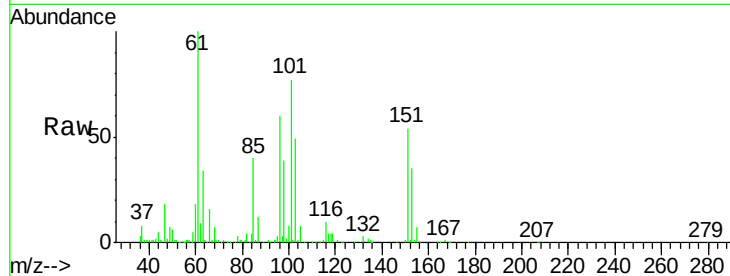
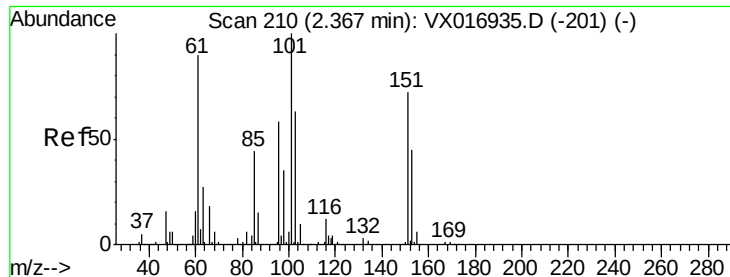


#8

Diethyl Ether
Concen: 17.757 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	52.6	157.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.578 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX016934.D

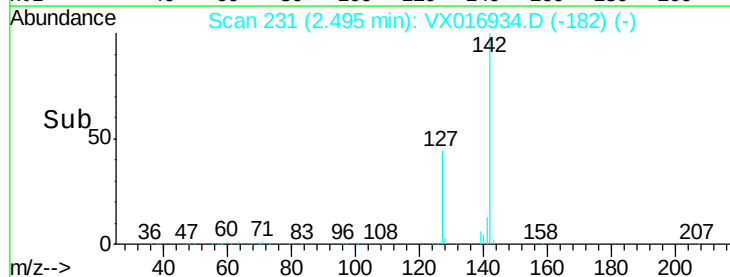
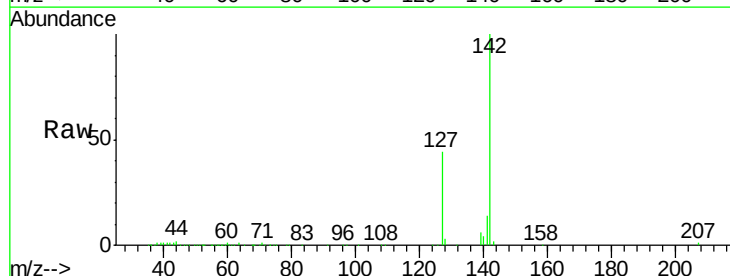
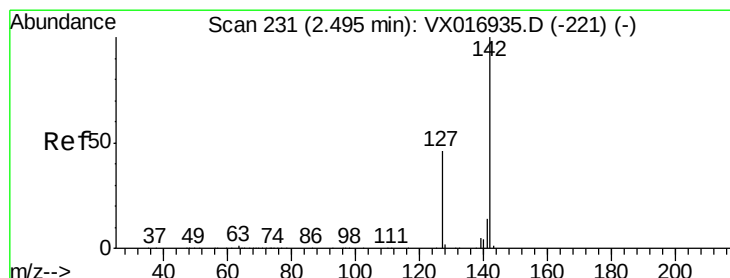
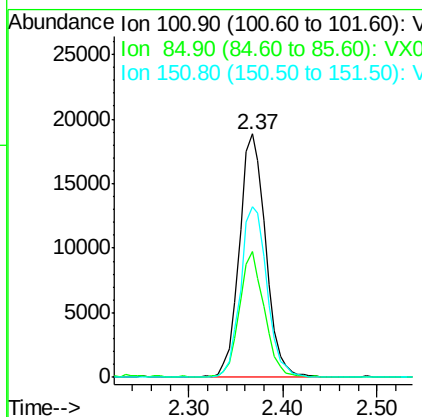
Acq: 23 Jun 2020 16:53

Tot Ion:	101	Resp:	36815
Ion Ratio	Lower	Upper	
101	100		
85	49.0	36.9	55.3
151	70.5	58.4	87.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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#10

Methyl Iodide

Concen: 19.226 ug/l

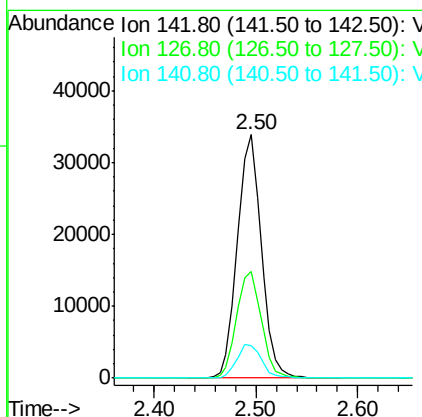
RT: 2.50 min Scan# 231

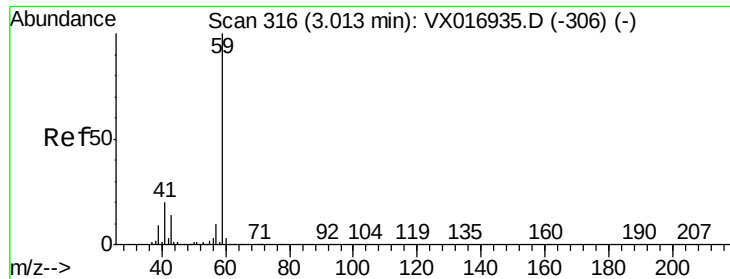
Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	142	Resp:	55071
Ion Ratio	Lower	Upper	
142	100		
127	45.4	38.3	57.5
141	14.4	11.9	17.9





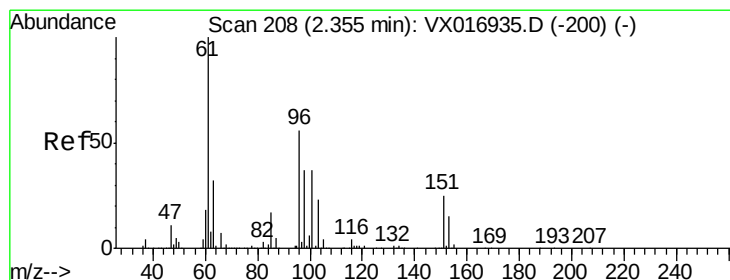
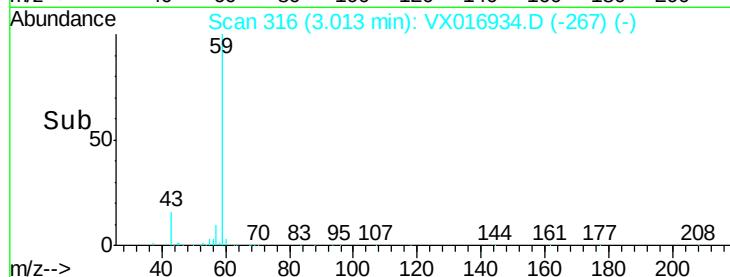
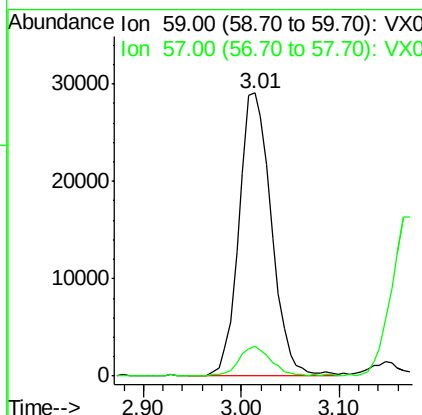
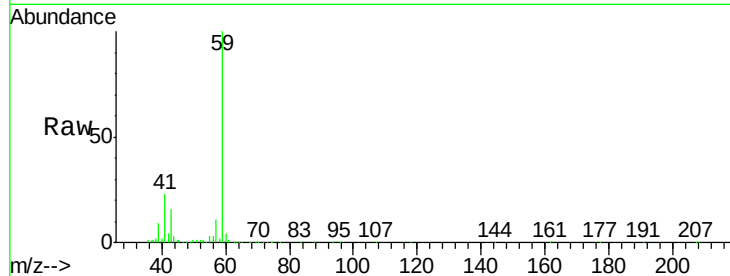
#11
Tert butyl alcohol
Concen: 98.242 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	100	10.7	Resp	67088	Lower	8.6	Upper	12.8
Ion	59	57	Ratio	100	10.7	Resp	67088	Lower	8.6	Upper	12.8

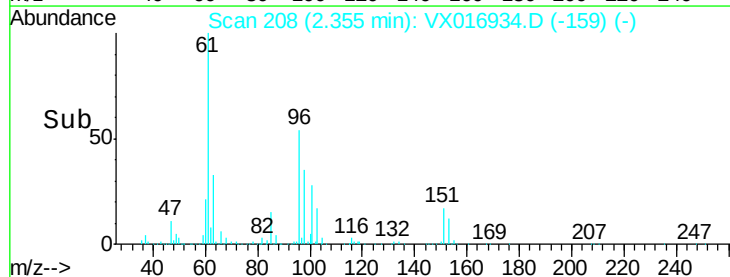
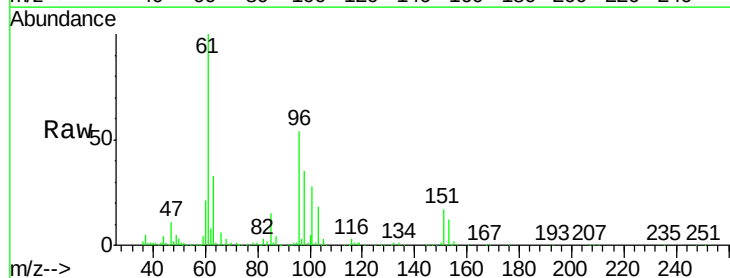
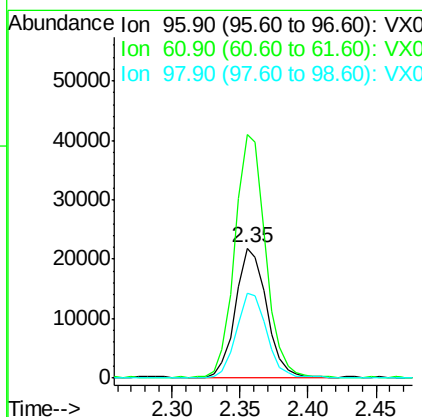
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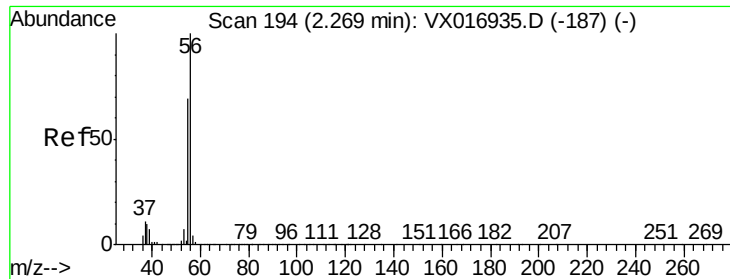
MMDadoda
6/24/2020 10:54:34 AM



#12
1,1-Dichloroethene
Concen: 16.881 ug/l
RT: 2.35 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	96	61	98	Ratio	100	186.3	65.3	Resp	35291	Lower	142.3	53.2	Upper	213.5	79.8
Ion	96	61	98	Ratio	100	186.3	65.3	Resp	35291	Lower	142.3	53.2	Upper	213.5	79.8





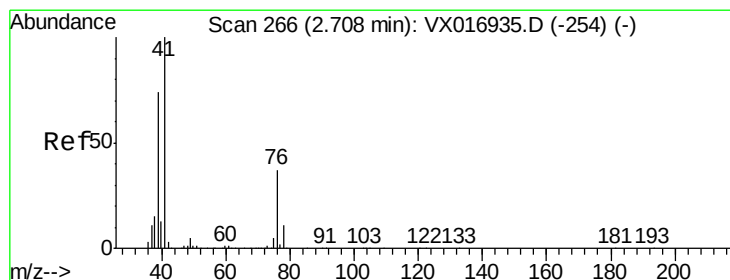
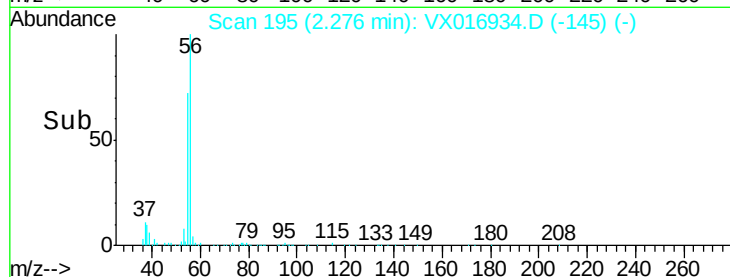
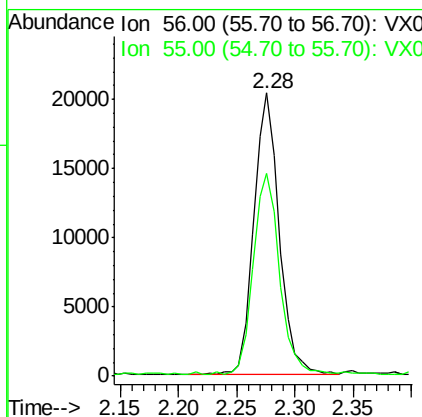
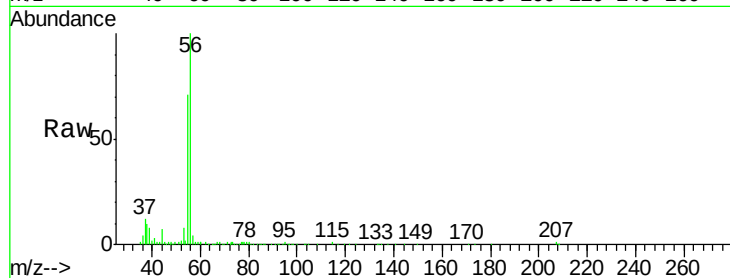
#13
Acrolein
Concen: 86.501 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.4	57.1	85.7

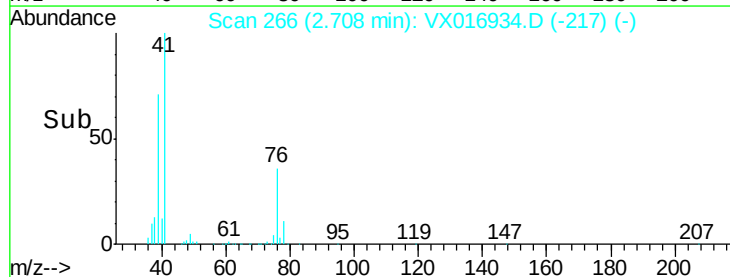
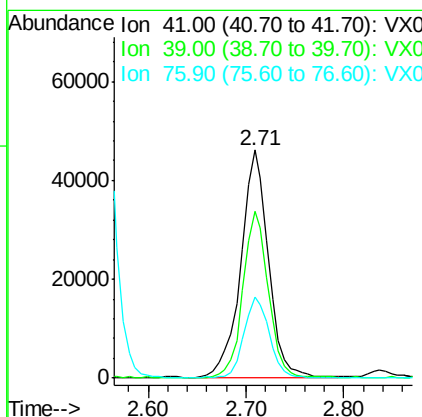
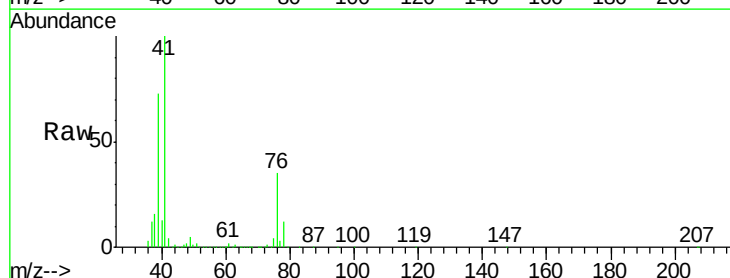
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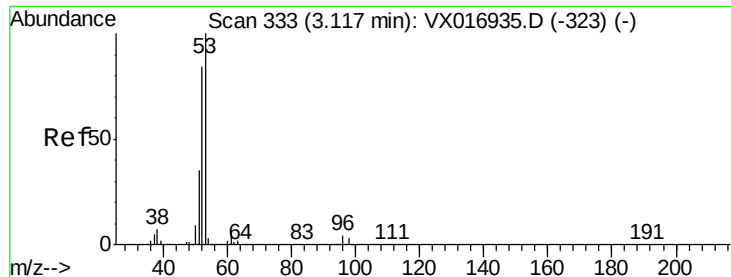
MMDadoda
6/24/2020 10:54:34 AM



#14
Allyl chloride
Concen: 18.757 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.3	79.9
76	32.9	25.2	37.8





#15

Acrylonitrile

Concen: 96.137 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

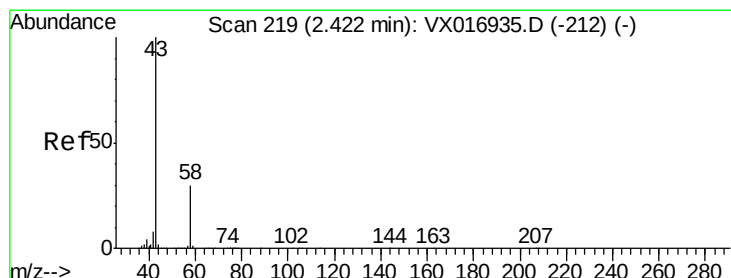
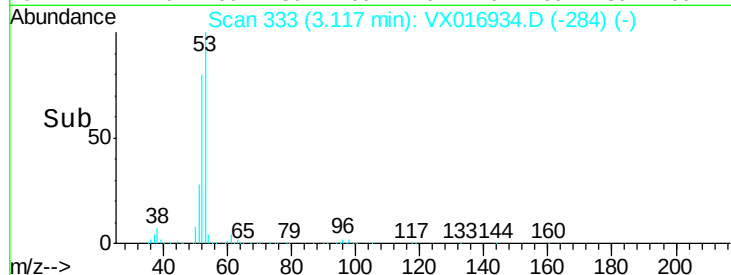
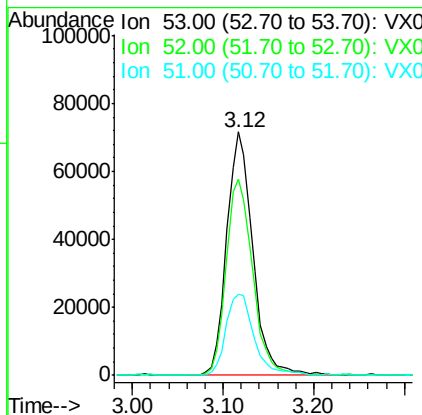
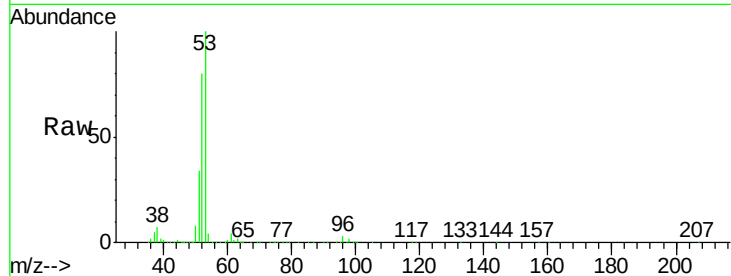
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	143407
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.0	99.0
51	35.3	28.9	43.3

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#16

Acetone

Concen: 87.304 ug/l

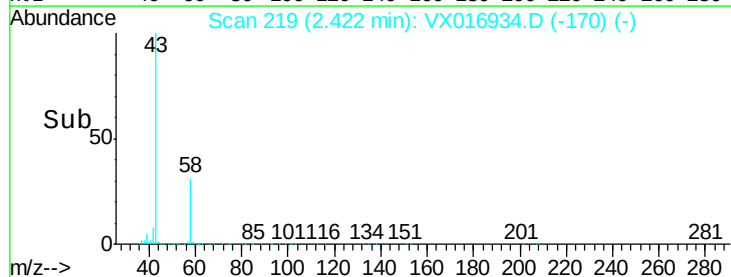
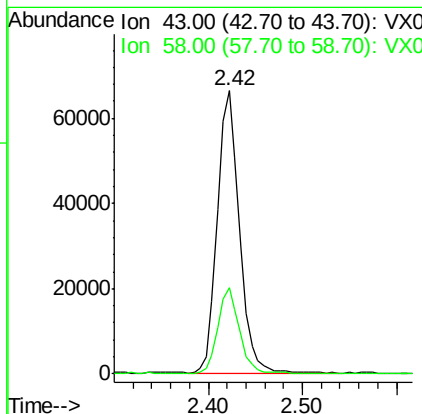
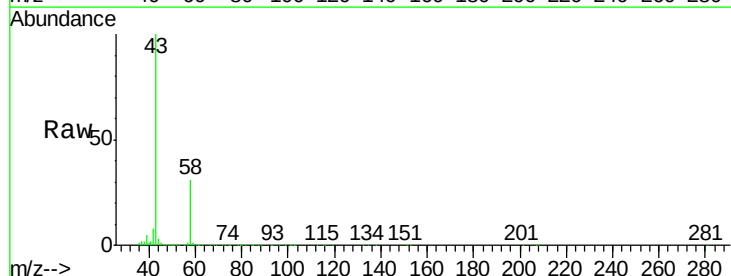
RT: 2.42 min Scan# 219

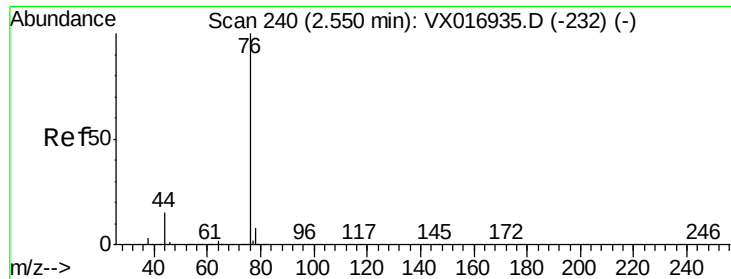
Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	43	Resp:	107767
Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.9	35.9





#17

Carbon Disulfide

Concen: 17.507 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 115099

Ion Ratio Lower Upper

76 100

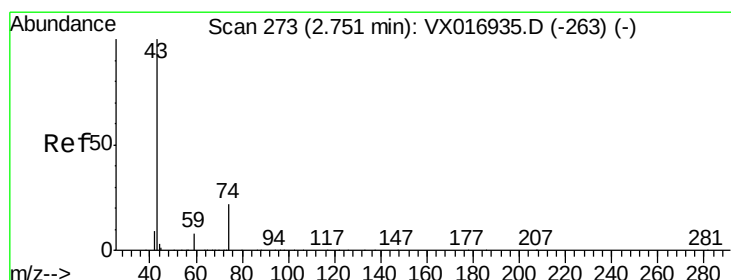
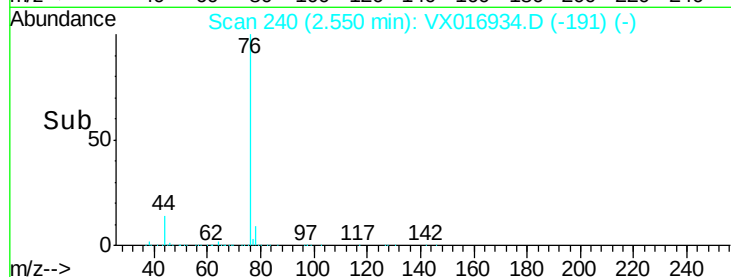
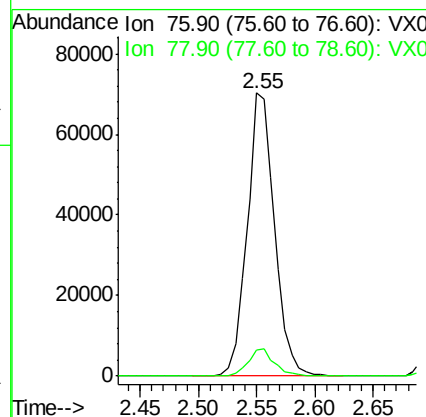
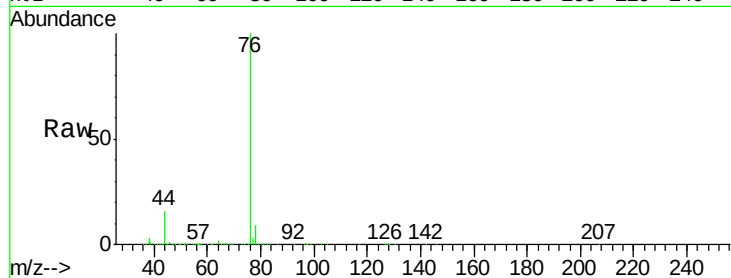
78 9.4 6.6 10.0

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#18

Methyl Acetate

Concen: 19.010 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX016934.D

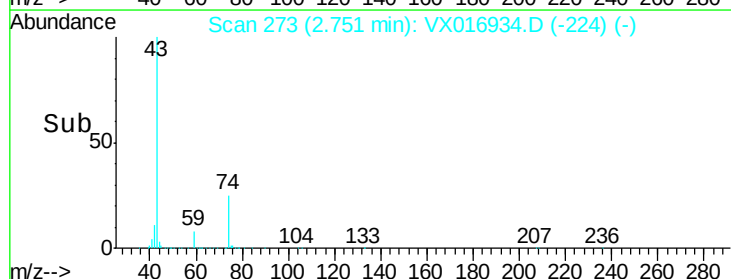
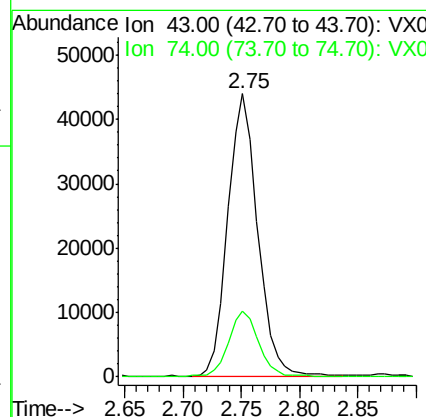
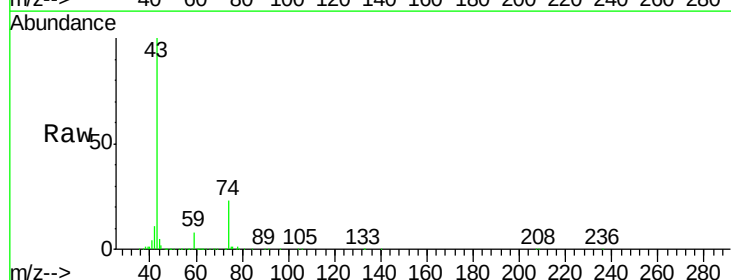
Acq: 23 Jun 2020 16:53

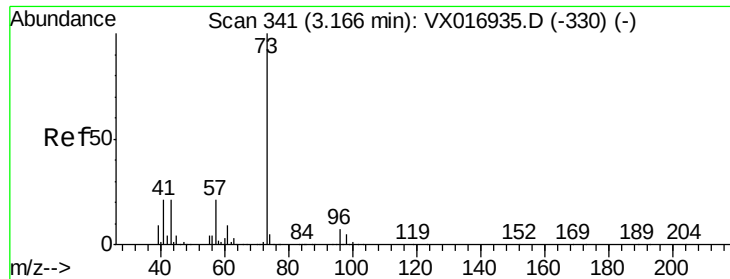
Tgt Ion: 43 Resp: 77704

Ion Ratio Lower Upper

43 100

74 24.2 18.6 27.8





#19

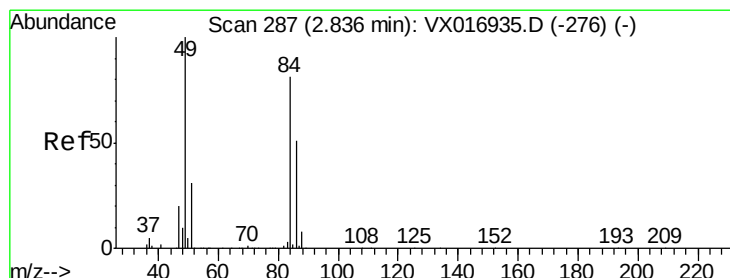
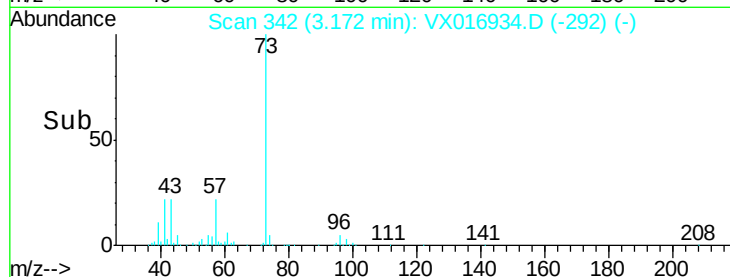
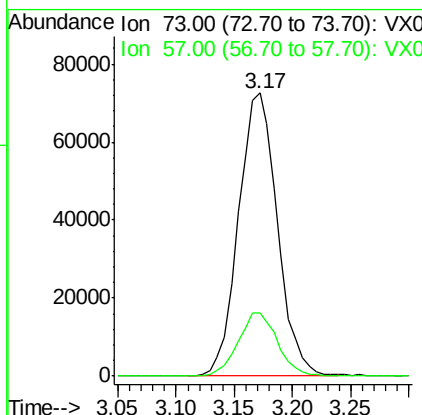
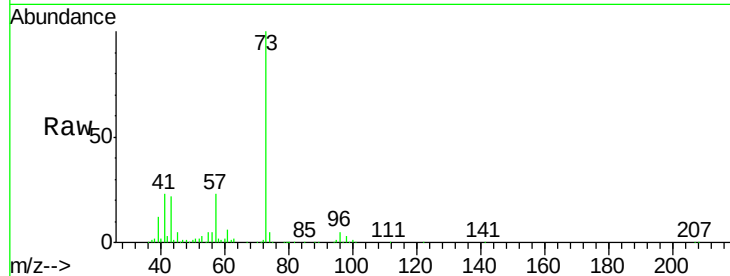
Methyl tert-butyl Ether
 Concen: 18.559 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	16.7	25.1

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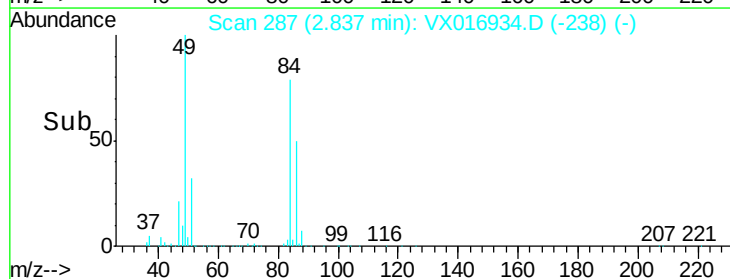
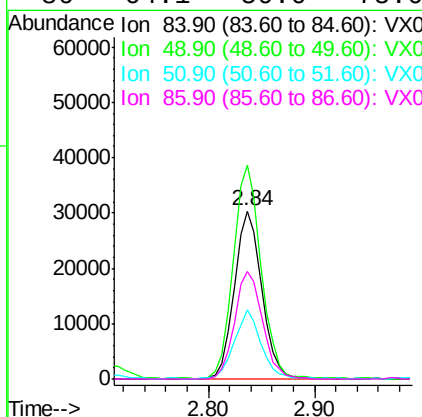
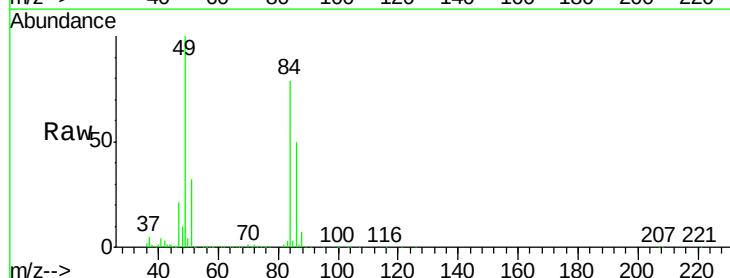
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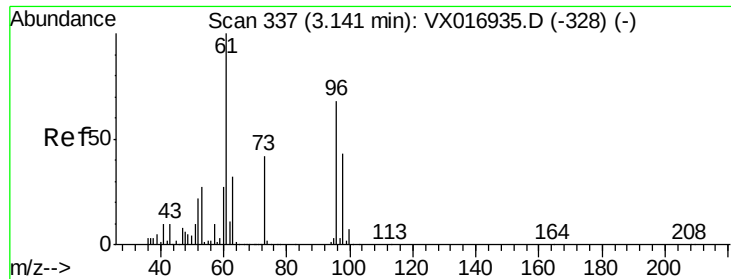


#20

Methylene Chloride
 Concen: 17.826 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.7	98.2	147.4
51	40.8	30.7	46.1
86	64.1	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 18.079 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

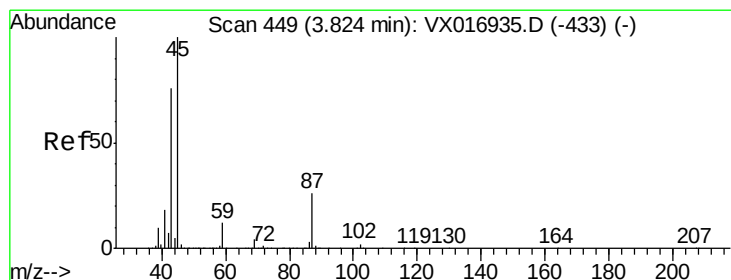
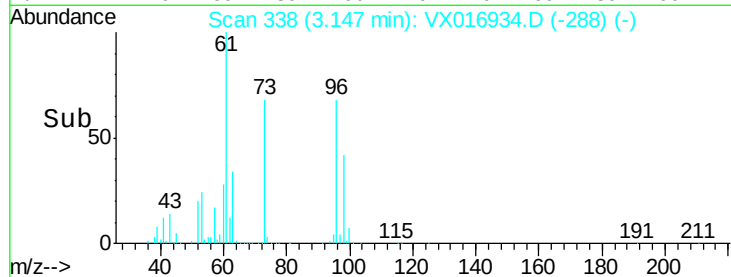
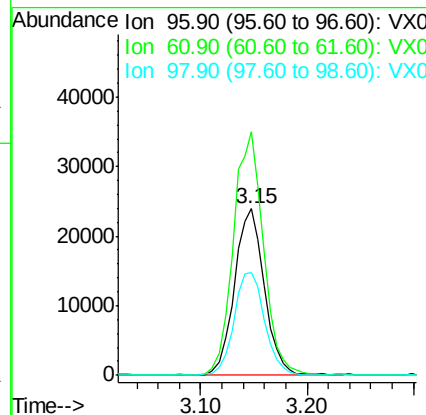
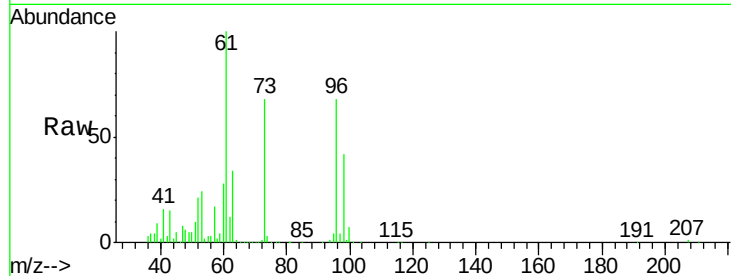
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	47121
Ion	Ratio	Lower	Upper
96	100		
61	146.1	118.1	177.1
98	61.8	50.7	76.1

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#22

Diisopropyl ether

Concen: 17.688 ug/l

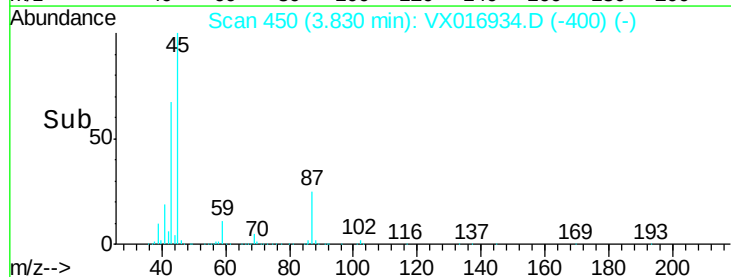
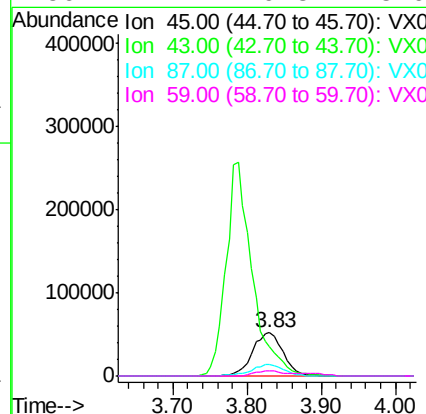
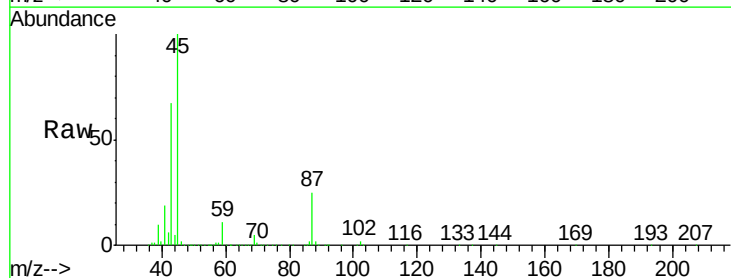
RT: 3.83 min Scan# 450

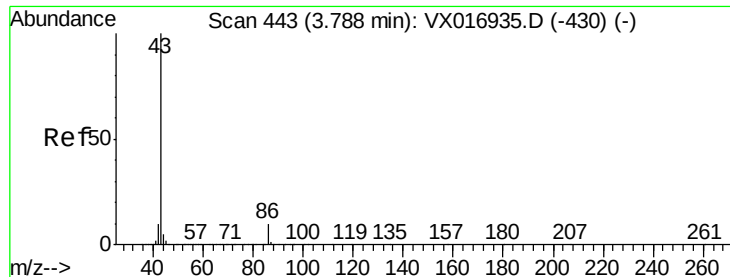
Delta R.T. 0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	45	Resp:	148843
Ion	Ratio	Lower	Upper
45	100		
43	66.8	61.0	91.4
87	25.5	20.6	30.8
59	11.1	9.3	13.9





#23

Vinyl Acetate

Concen: 93.347 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 634391

Ion Ratio Lower Upper

43 100

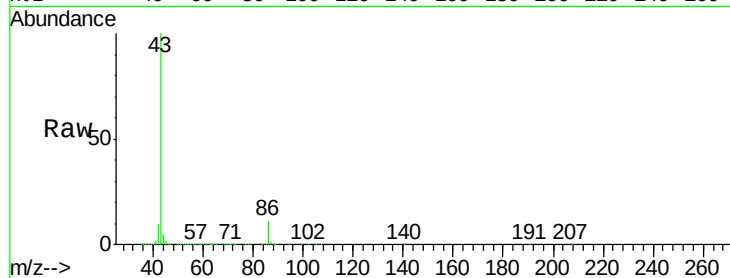
86 11.4 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

100000

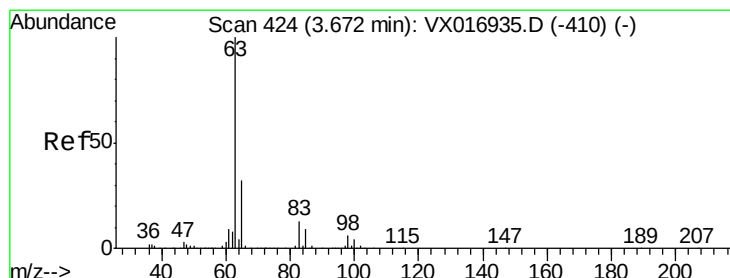
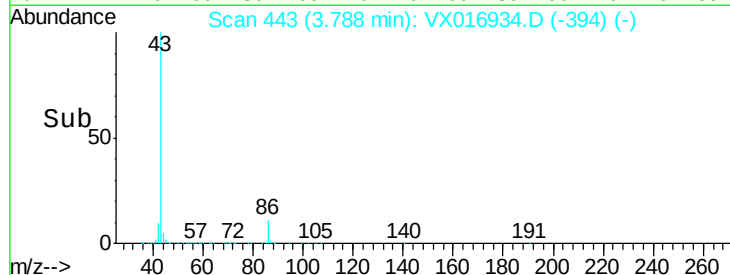
50000

0

3.79

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.299 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

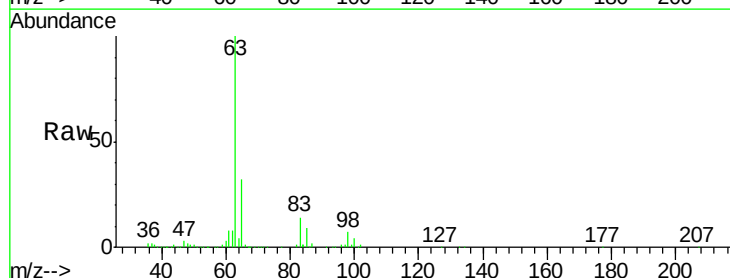
Tgt Ion: 63 Resp: 93518

Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.3

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

20000

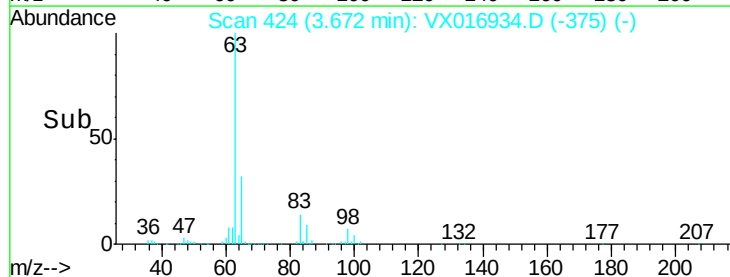
10000

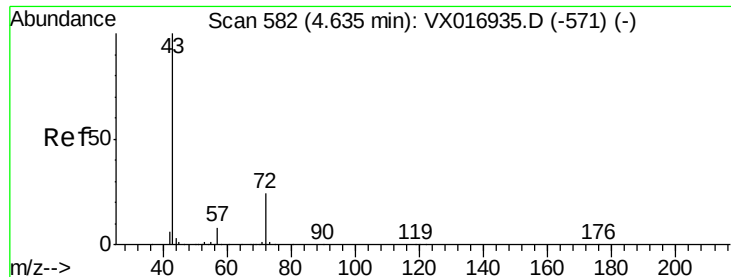
0

3.67

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 85.910 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 167359

Ion Ratio Lower Upper

43 100

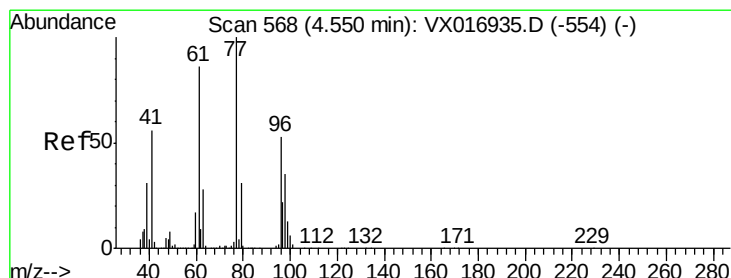
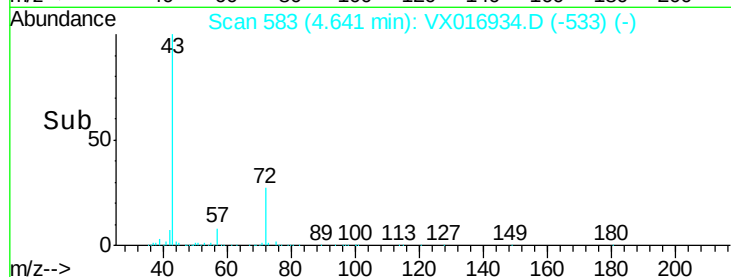
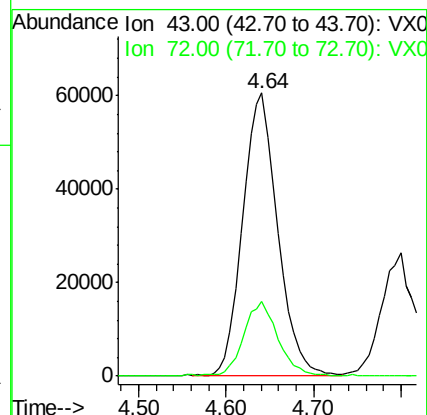
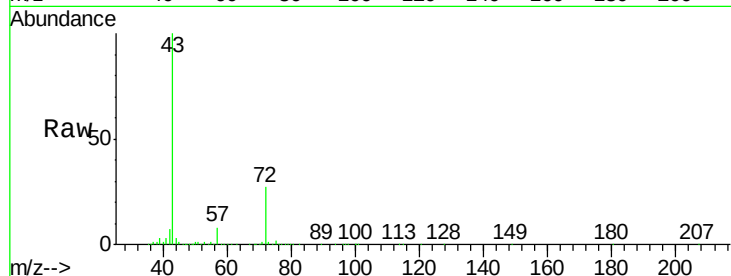
72 26.3 19.6 29.4

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 16.329 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX016934.D

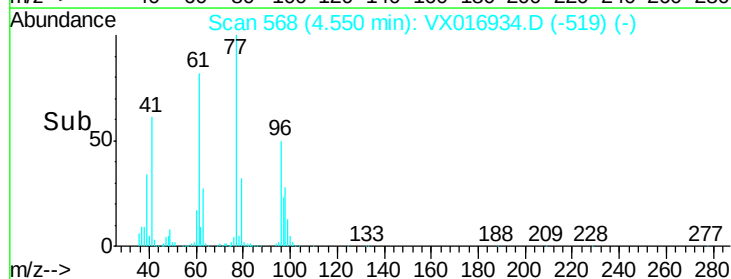
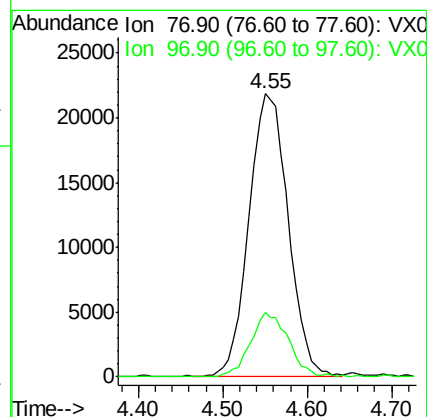
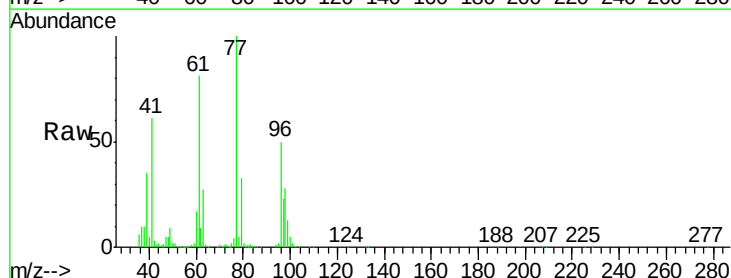
Acq: 23 Jun 2020 16:53

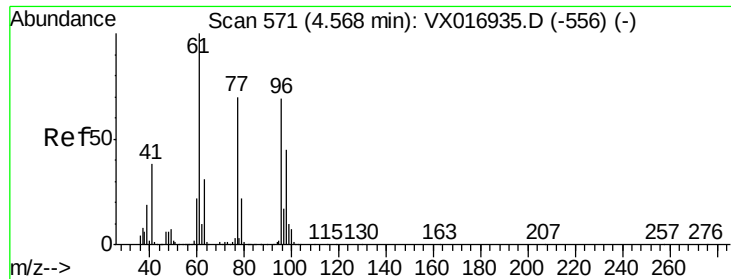
Tgt Ion: 77 Resp: 69559

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9





#27

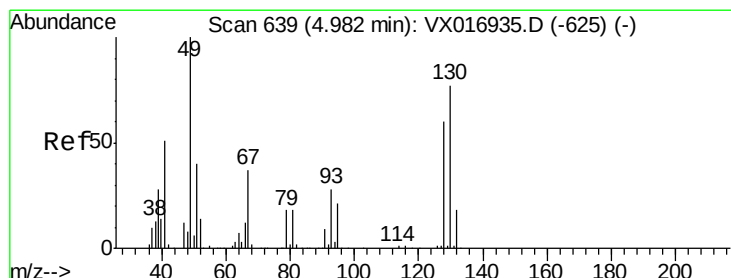
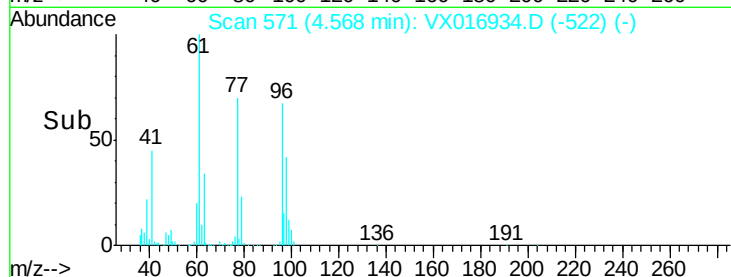
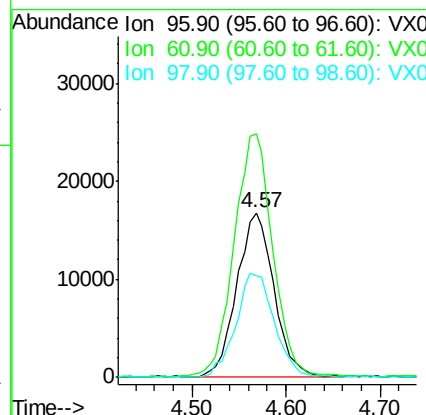
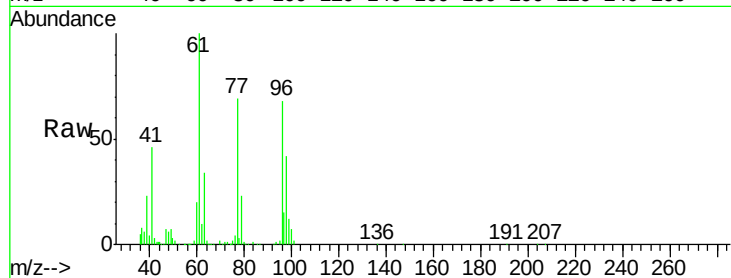
cis-1,2-Dichloroethene
Concen: 15.798 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46316		
61	152.8		0.0	312.2
98	66.0		0.0	130.6

Manual Integrations
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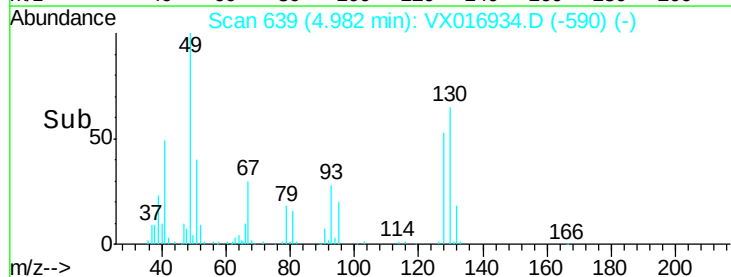
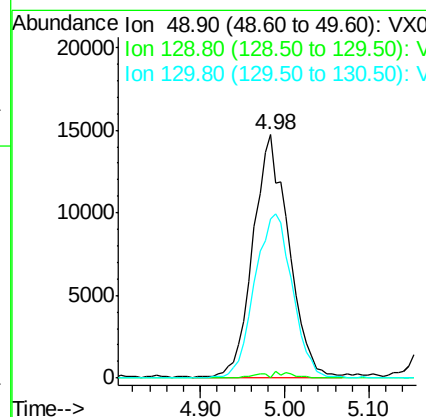
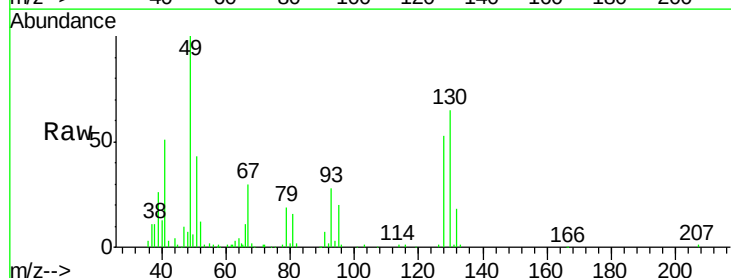
MMDadoda
6/24/2020 10:54:34 AM

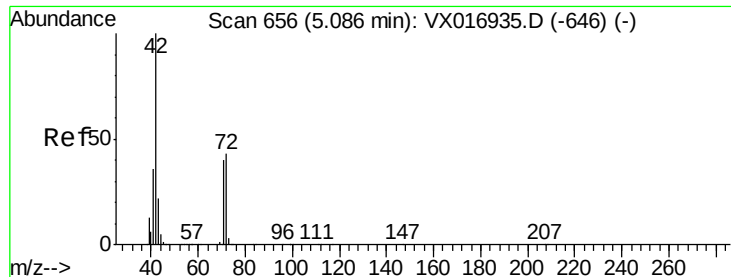


#28

Bromochloromethane
Concen: 17.008 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42805		
129	1.3		0.0	4.0
130	70.8		58.7	88.1





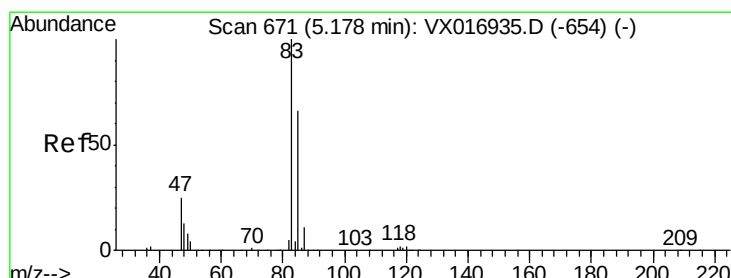
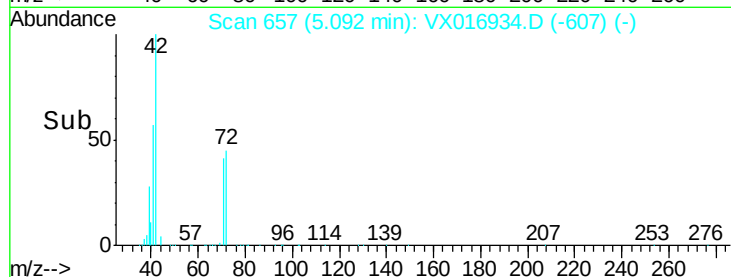
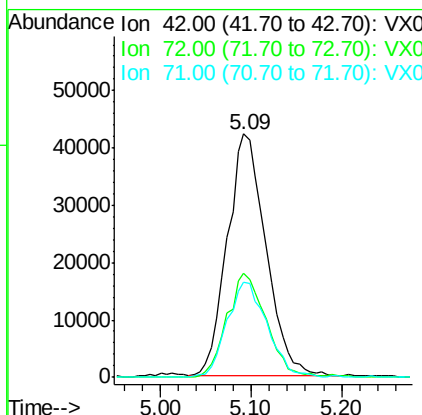
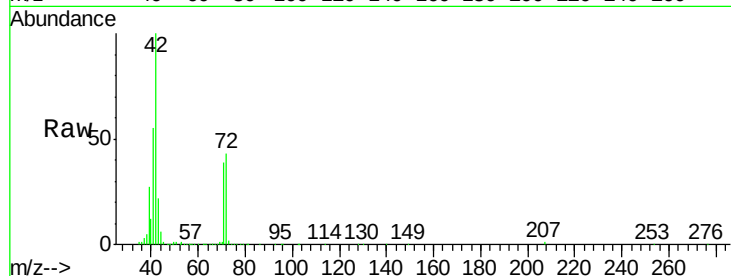
#29
Tetrahydrofuran
Concen: 104.725 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.9	52.3
71	40.7	32.2	48.4

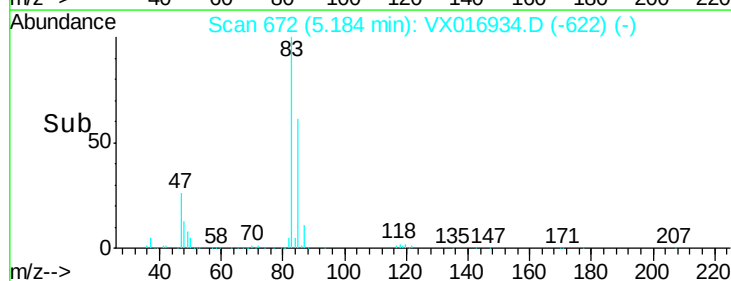
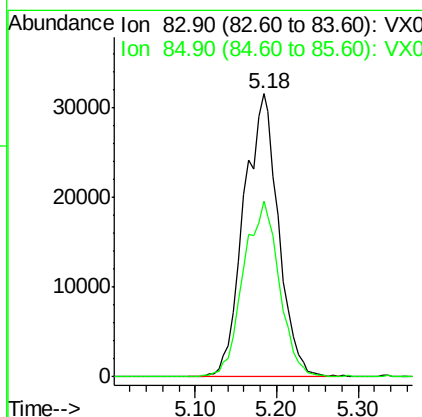
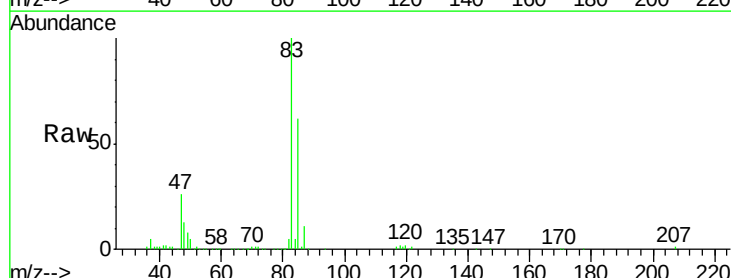
Manual Integrations
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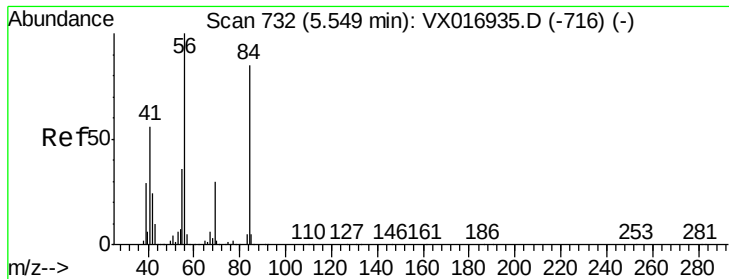
MMDadoda
6/24/2020 10:54:34 AM



#30
Chloroform
Concen: 18.209 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.8	79.2





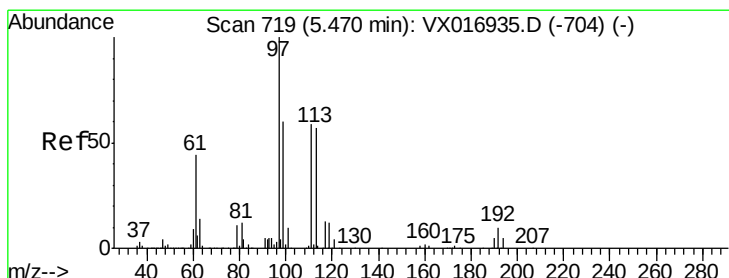
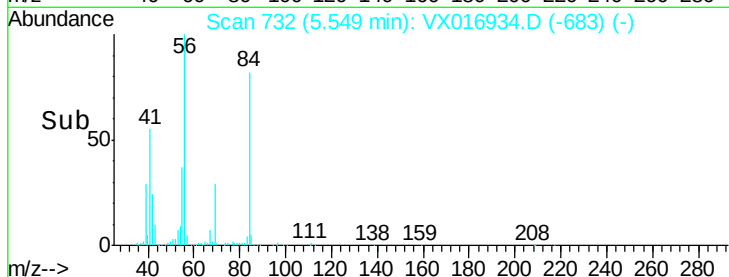
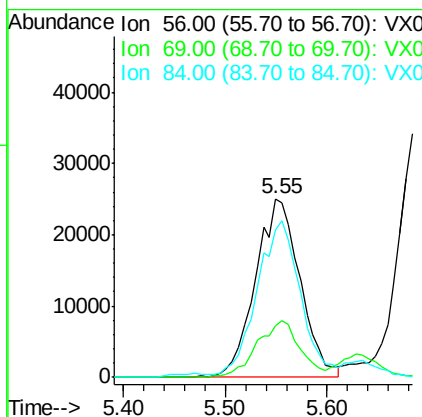
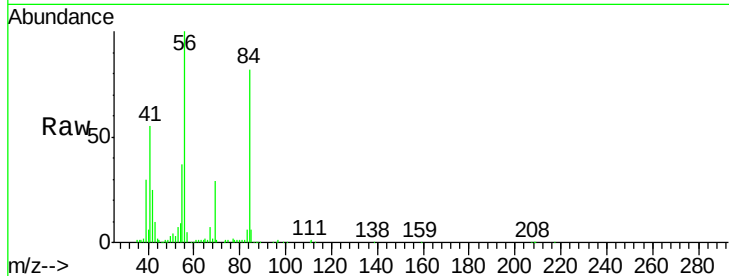
#31
Cyclohexane
Concen: 19.689 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.4	36.6
84	80.4	67.0	100.6

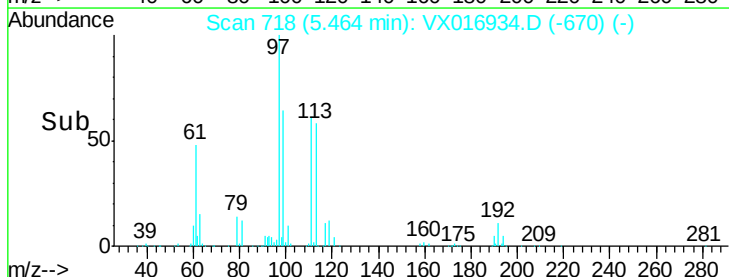
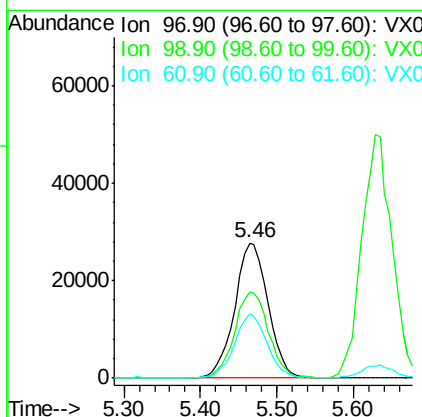
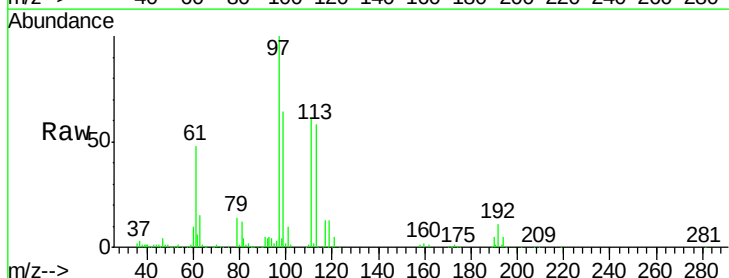
Manual Integrations
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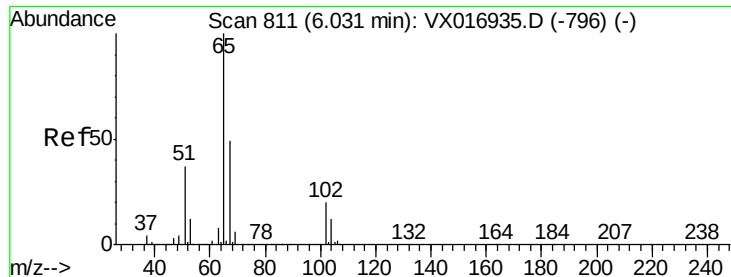
MMDadoda
6/24/2020 10:54:34 AM



#32
1,1,1-Trichloroethane
Concen: 18.761 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.6	76.0
61	46.0	36.1	54.1





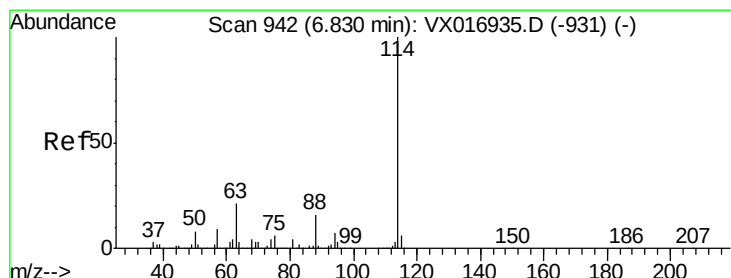
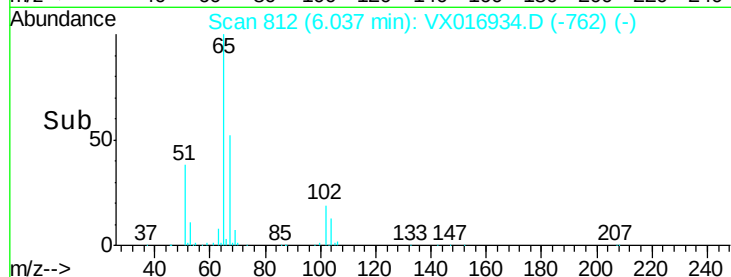
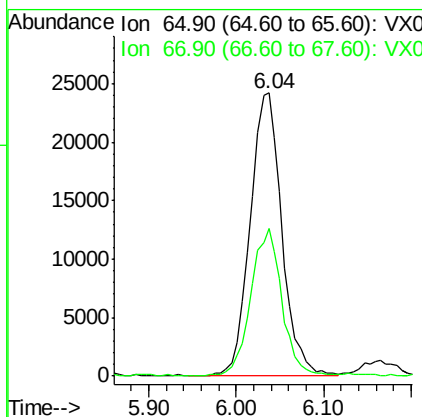
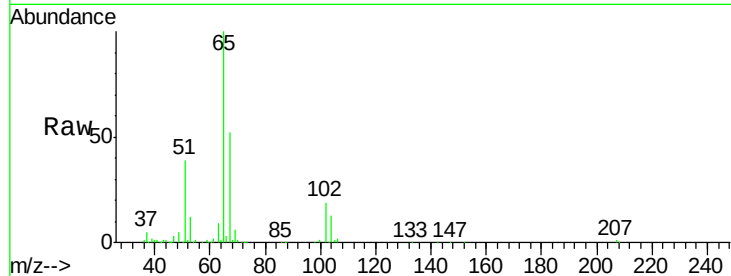
#33
 1,2-Dichloroethane-d4
 Concen: 18.814 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.6

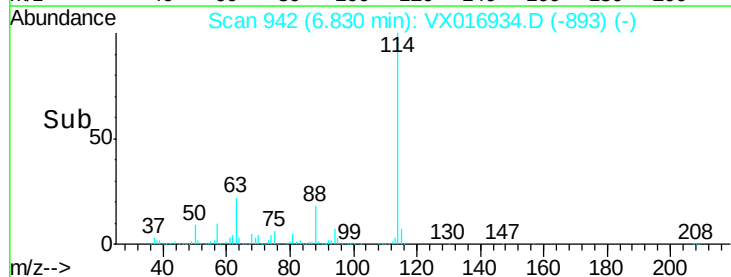
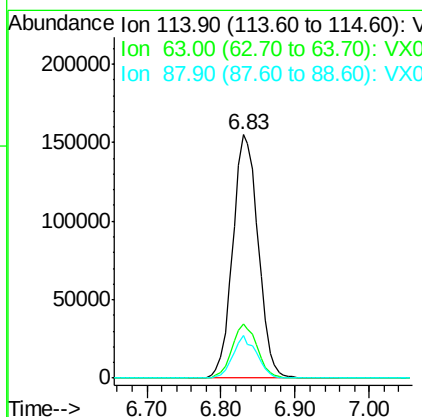
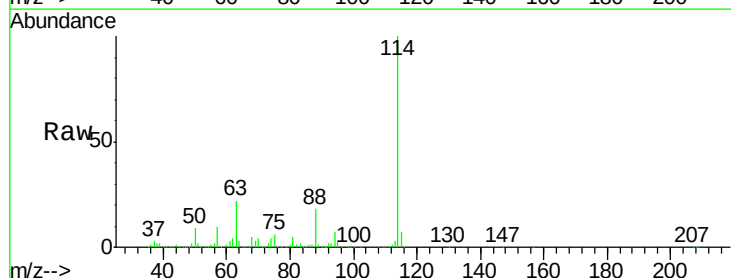
Manual Integrations
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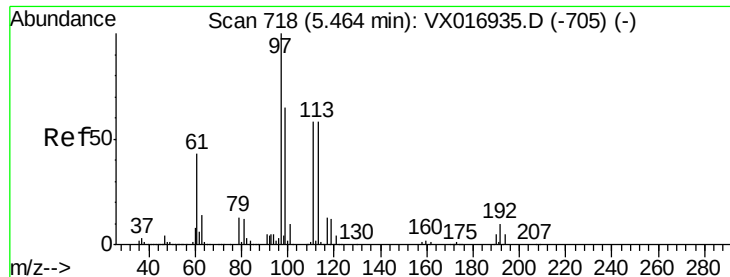
MMDadoda
 6/24/2020 10:54:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.4
88	17.5	0.0	32.4





#35

Dibromofluoromethane

Concen: 18.625 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

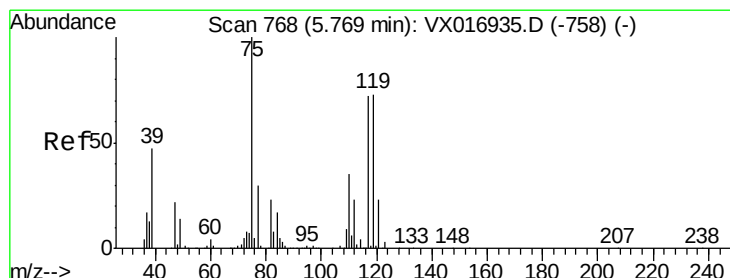
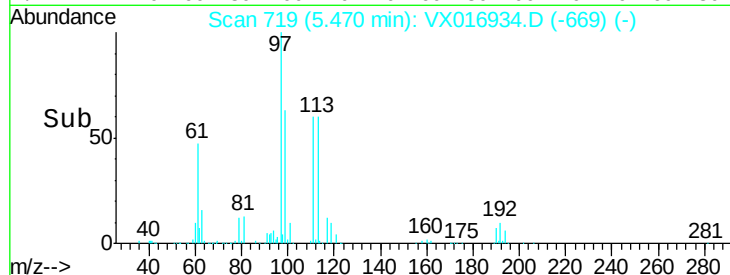
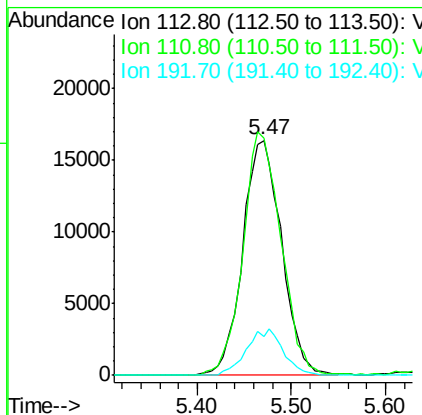
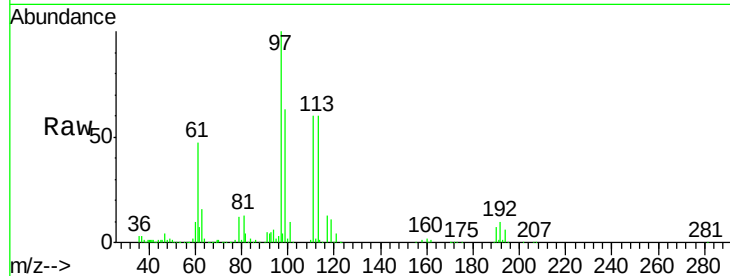
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	47431
Ion Ratio	Lower	Upper	
113	100		
111	101.6	83.4	125.0
192	18.5	14.6	22.0

Manual Integrations
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6/24/2020 10:54:34 AM



#36

1,1-Dichloropropene

Concen: 19.189 ug/l

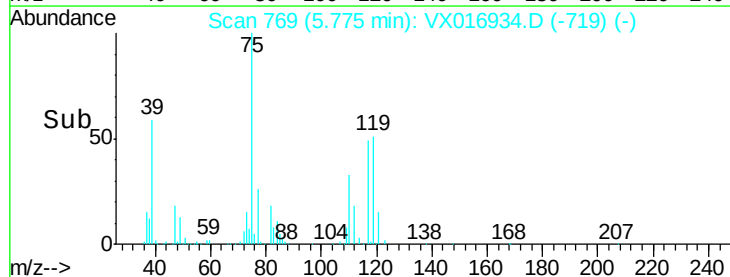
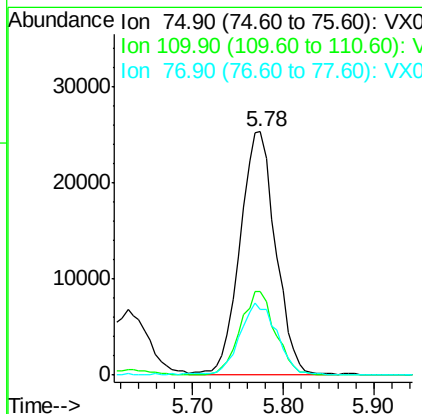
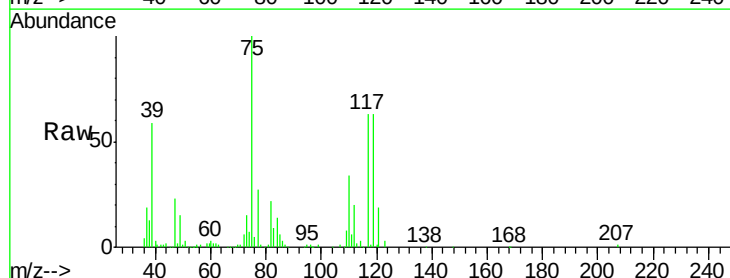
RT: 5.78 min Scan# 769

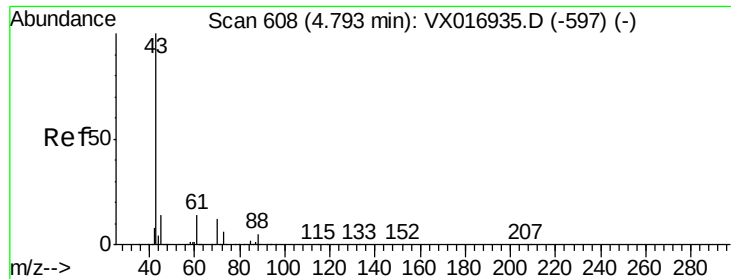
Delta R.T. 0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	75	Resp:	68106
Ion Ratio	Lower	Upper	
75	100		
110	34.4	17.1	51.3
77	31.2	24.9	37.3





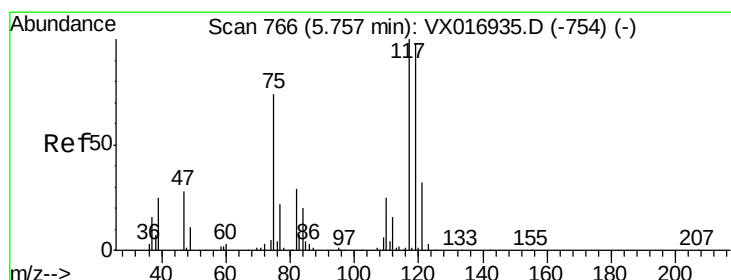
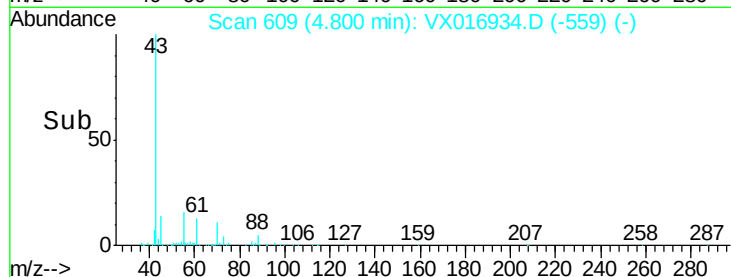
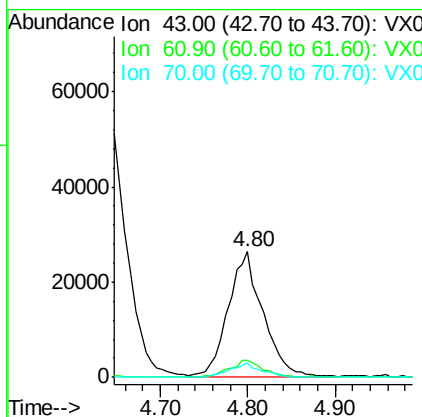
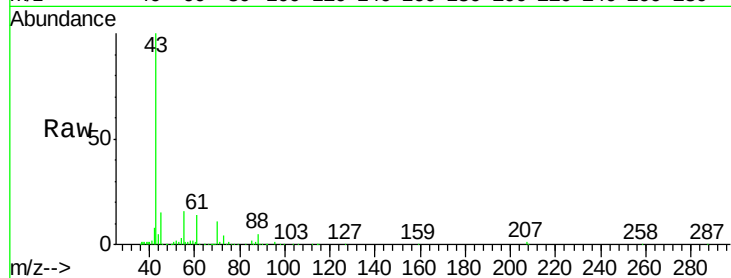
#37
Ethyl Acetate
Concen: 18.400 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	71753
Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.0	16.4
70	10.6	8.9	13.3

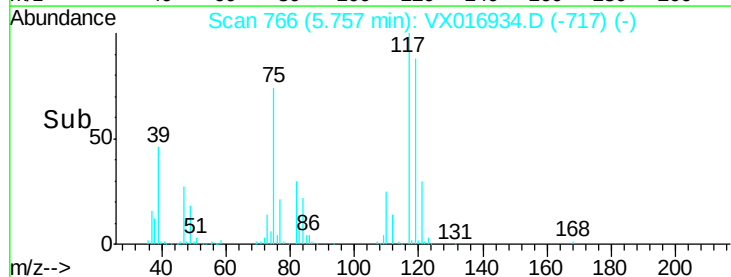
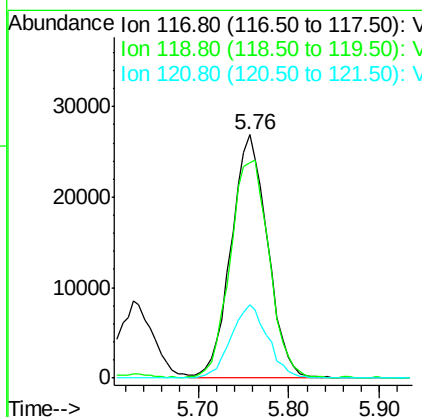
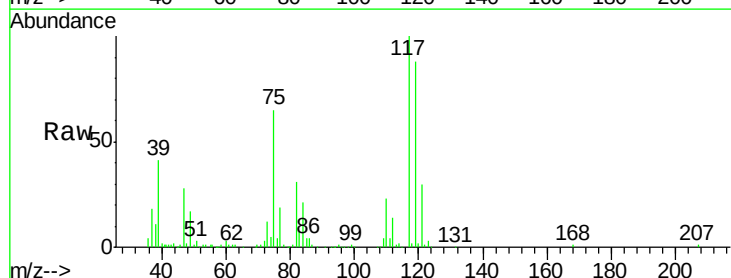
Manual Integrations
APPROVED

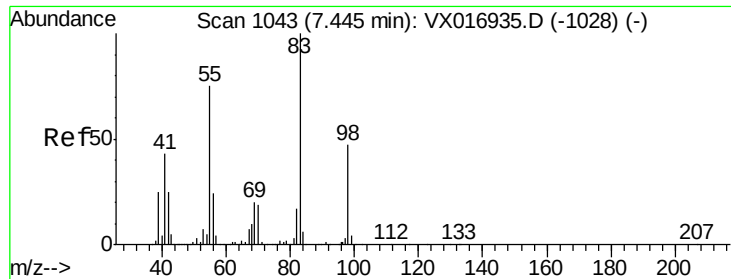
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#38
Carbon Tetrachloride
Concen: 19.746 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion:	117	Resp:	74943
Ion	Ratio	Lower	Upper
117	100		
119	88.5	78.2	117.2
121	30.4	25.0	37.6





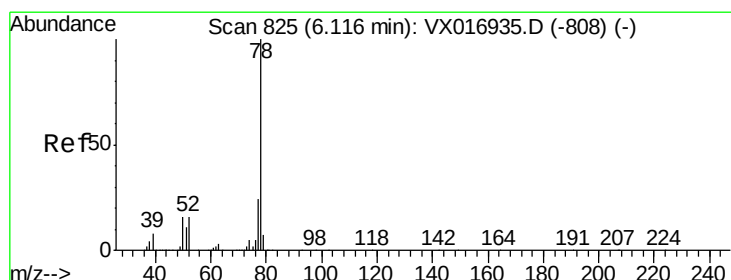
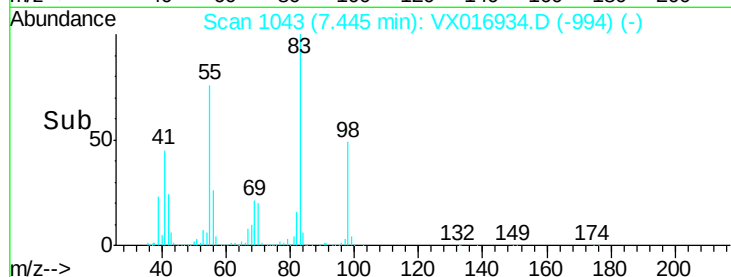
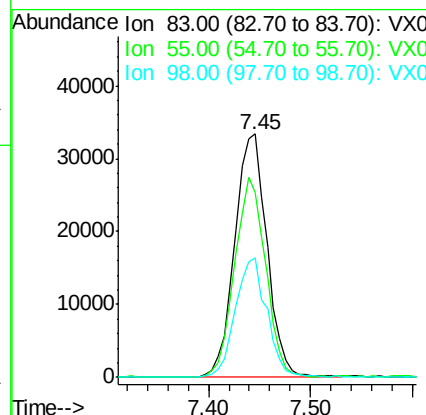
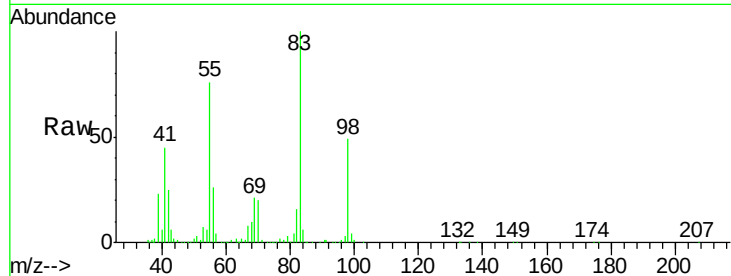
#39
Methylvlcyclohexane
Concen: 18.717 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	73214
Ion Ratio	100	Lower	Upper
83	100		
55	75.9	59.9	89.9
98	48.9	37.3	55.9

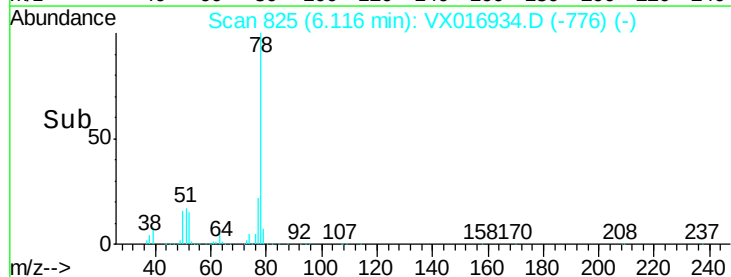
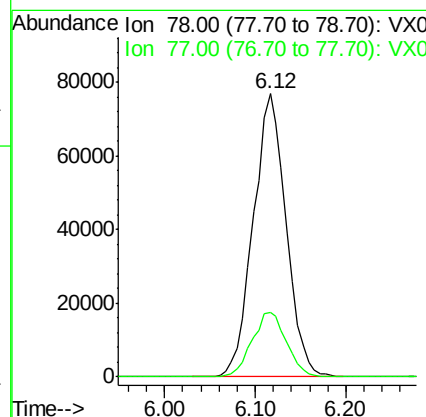
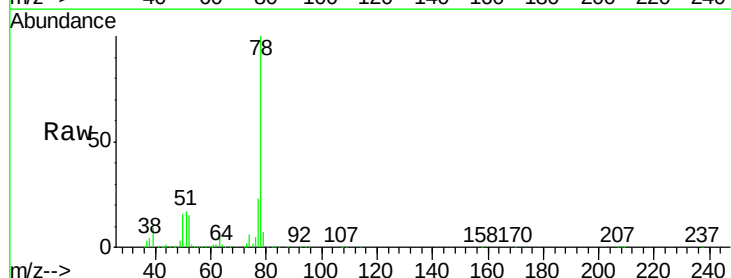
Manual Integrations
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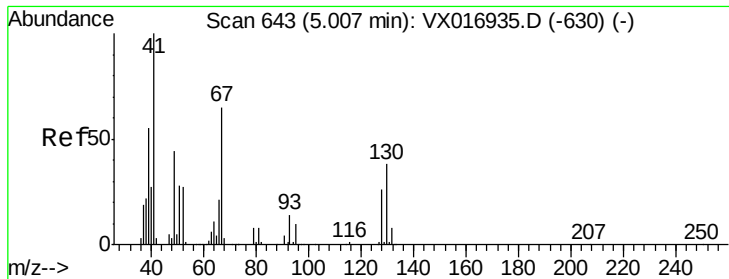
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#40
Benzene
Concen: 18.926 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	78	Resp	192464
Ion Ratio	100	Lower	Upper
78	100		
77	22.6	19.1	28.7





#41

Methacrylonitrile

Concen: 18.843 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 42805

Ion Ratio Lower Upper

41 100

39 58.2 44.2 66.2

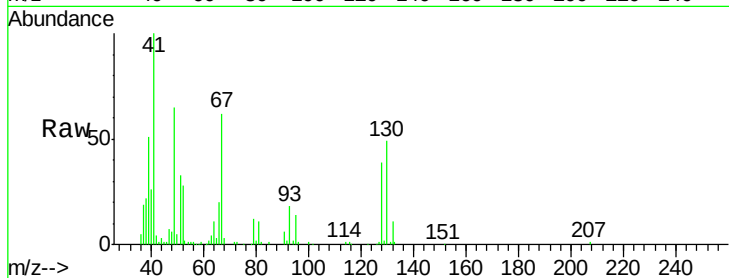
67 69.5 55.1 82.7

52 32.6 22.6 34.0

Manual Integrations
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MMDadoda

6/24/2020 10:54:34 AM

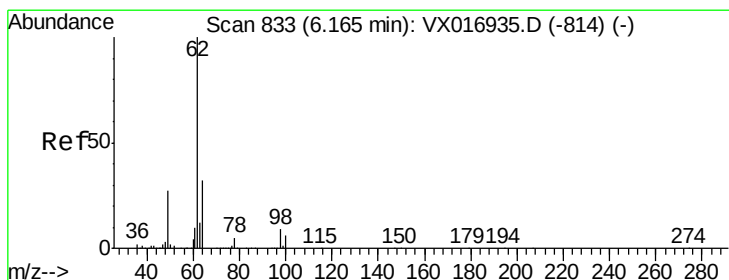
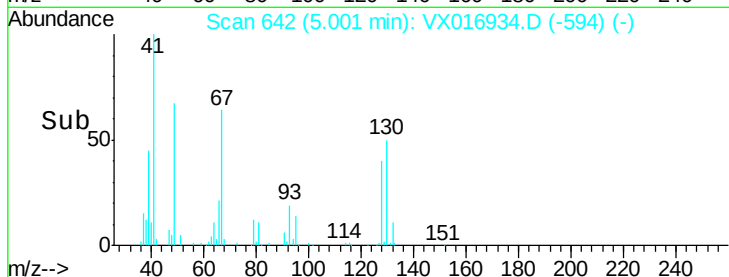
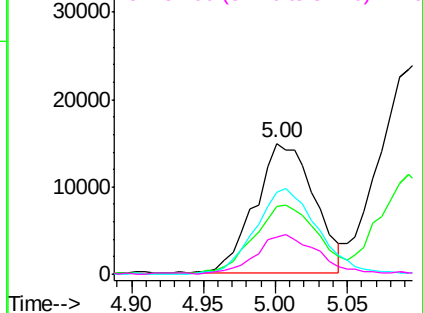


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.275 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX016934.D

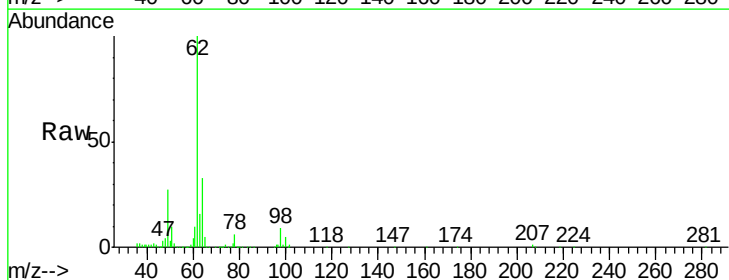
Acq: 23 Jun 2020 16:53

Tgt Ion: 62 Resp: 80456

Ion Ratio Lower Upper

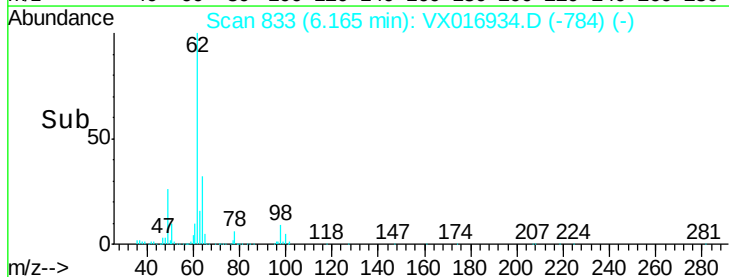
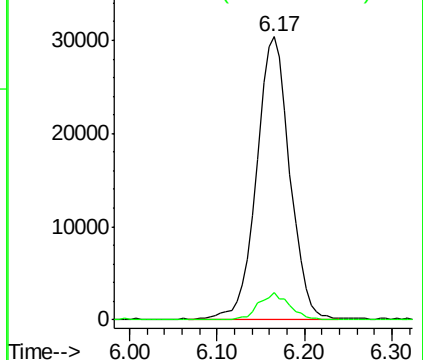
62 100

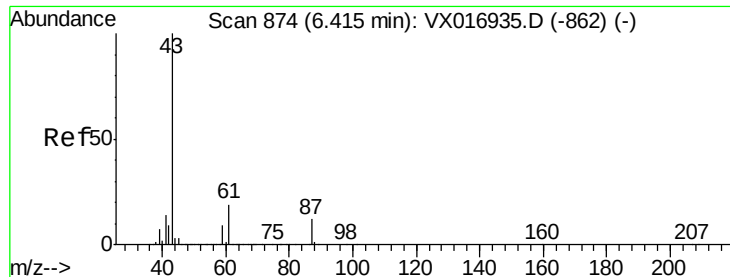
98 8.9 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 15.871 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

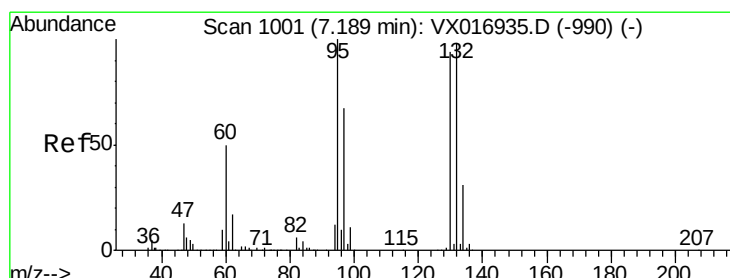
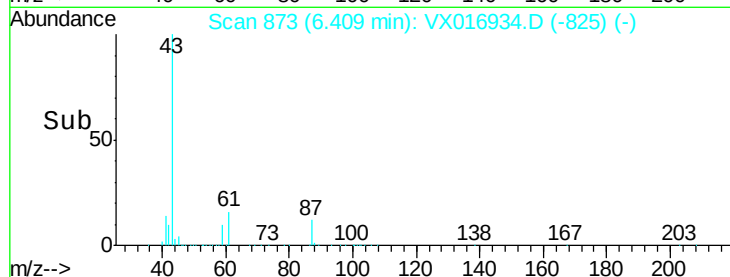
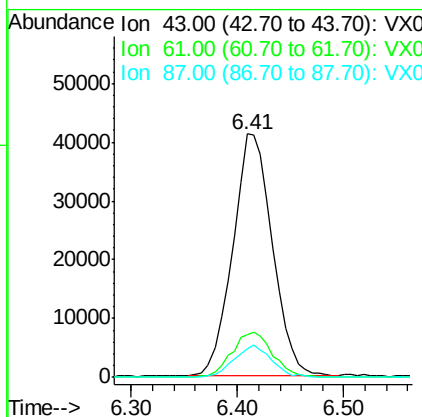
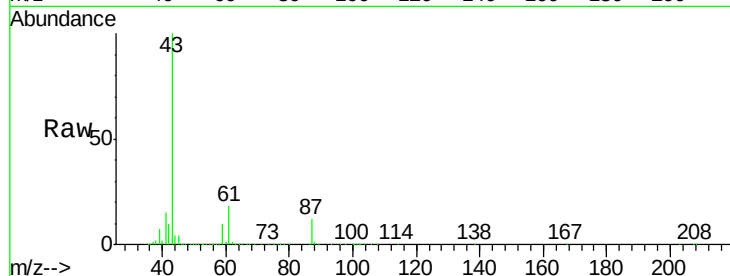
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	107836
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	12.8	10.2	15.2

Manual Integrations
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6/24/2020 10:54:34 AM



#44

Trichloroethene

Concen: 18.695 ug/l

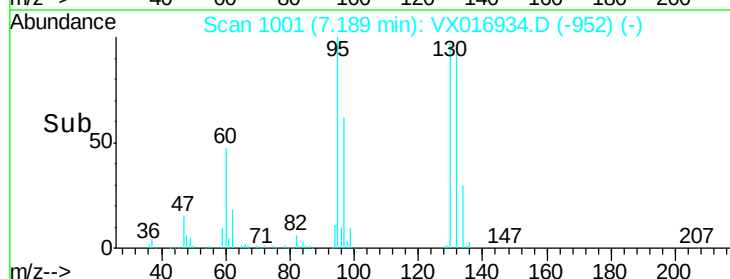
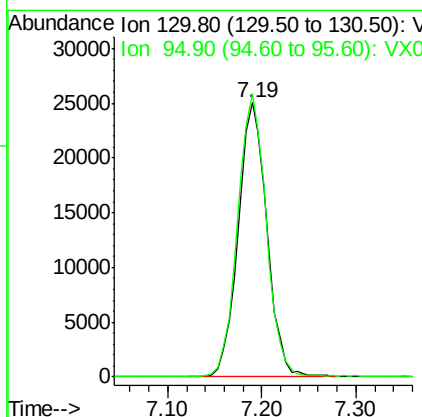
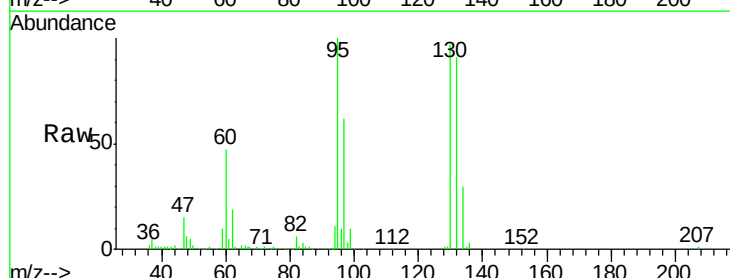
RT: 7.19 min Scan# 1001

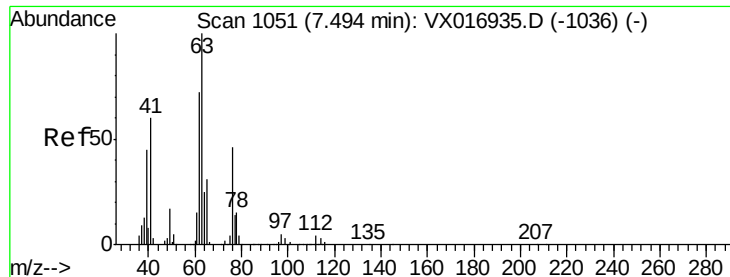
Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	130	Resp:	53213
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	213.2





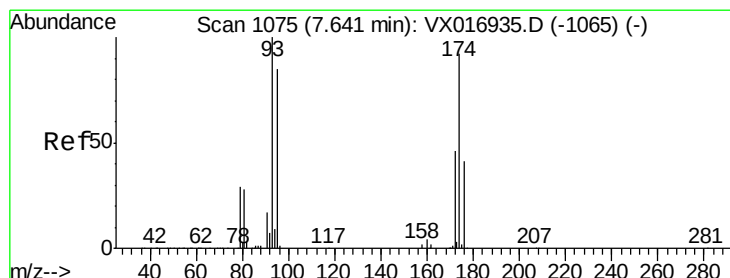
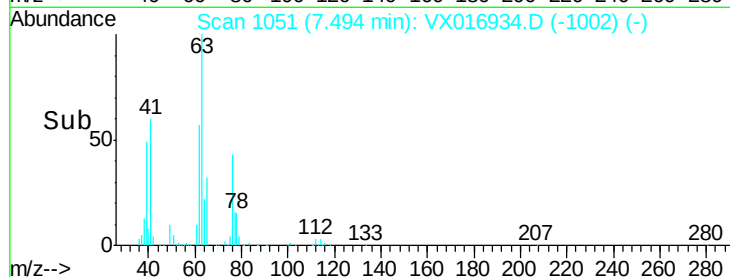
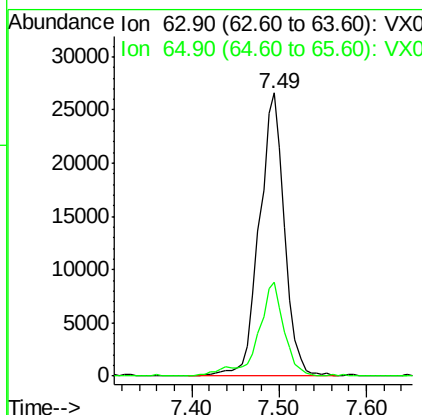
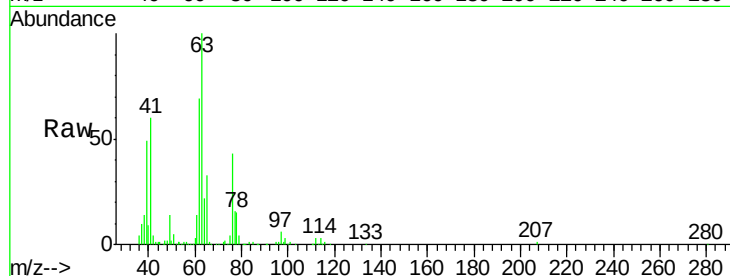
#45
 1,2-Dichloropropane
 Concen: 18.970 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.4	36.6

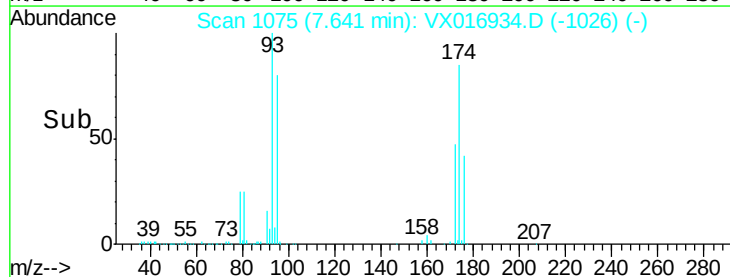
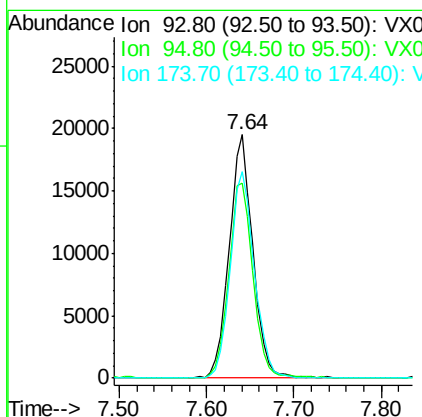
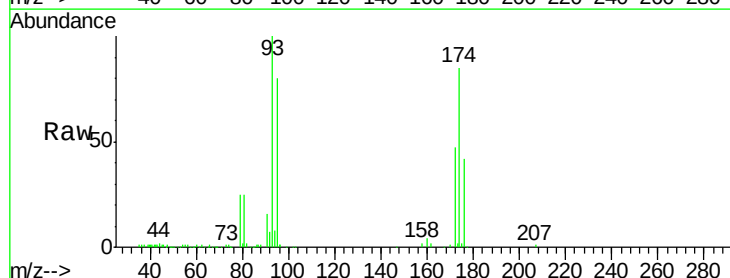
Manual Integrations
 APPROVED

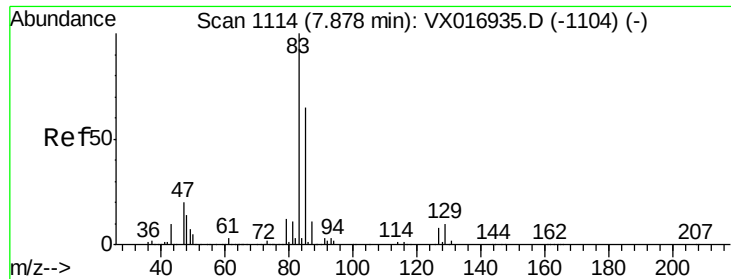
MMDadoda
 6/24/2020 10:54:34 AM



#46
 Dibromomethane
 Concen: 18.904 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.3	99.5
174	86.0	71.1	106.7





#47

Bromodichloromethane

Concen: 18.489 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

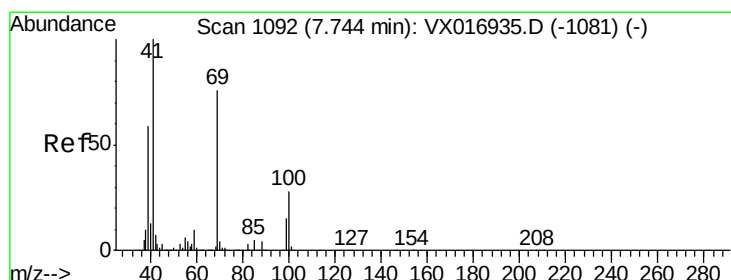
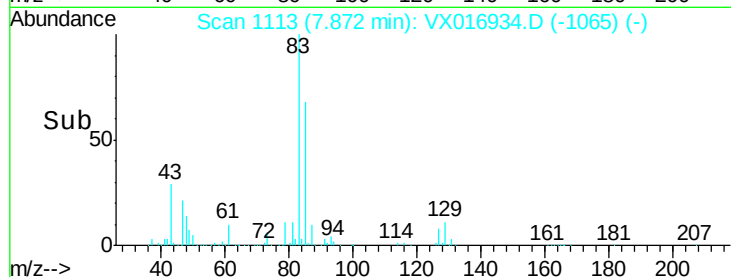
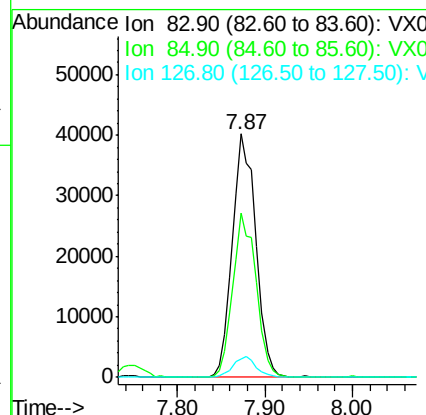
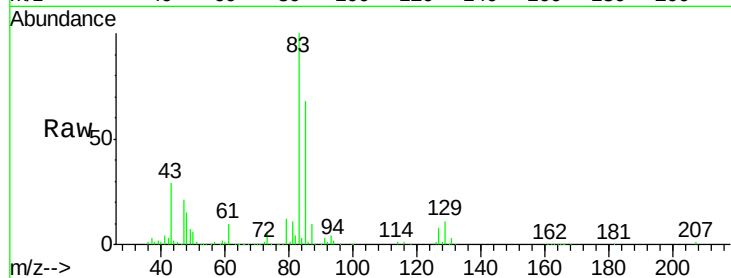
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	75511
Ion Ratio	Lower	Upper	
83	100		
85	67.6	52.4	78.6
127	7.7	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:54:34 AM



#48

Methyl methacrylate

Concen: 18.712 ug/l

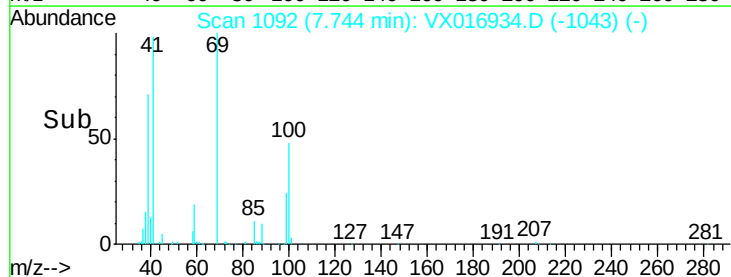
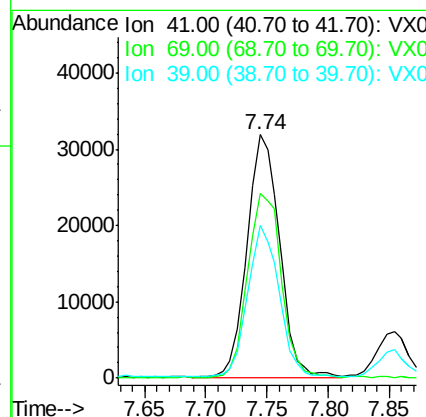
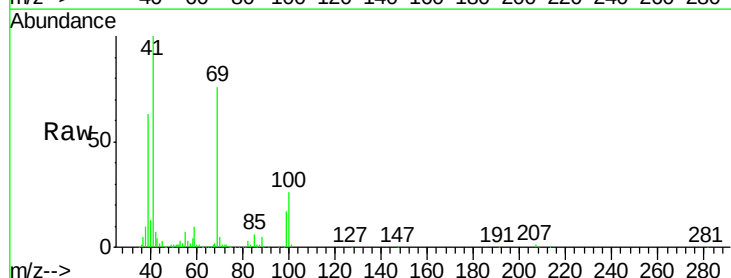
RT: 7.74 min Scan# 1092

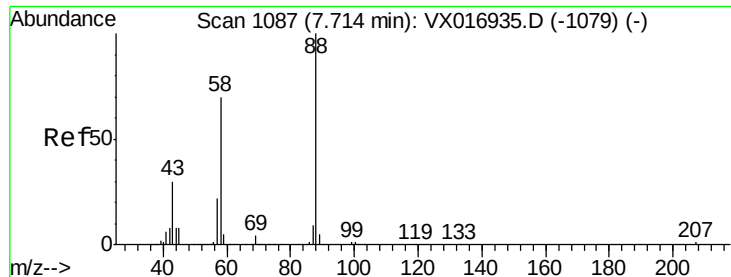
Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	41	Resp:	59117
Ion Ratio	Lower	Upper	
41	100		
69	78.5	62.5	93.7
39	60.3	49.1	73.7





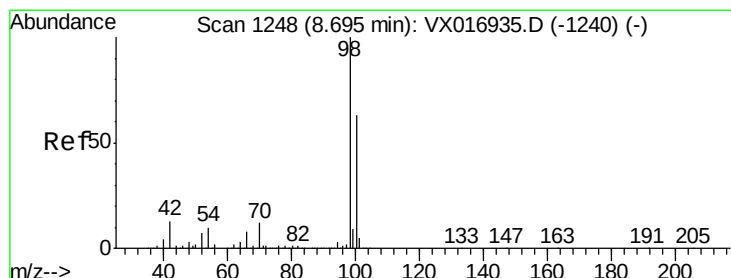
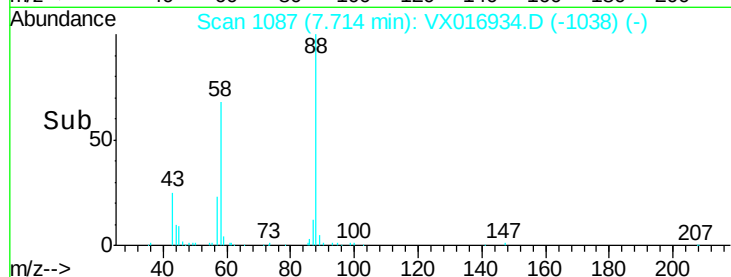
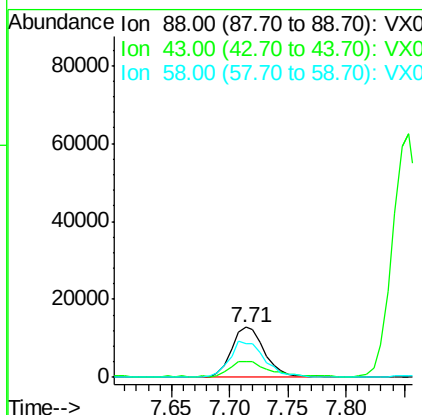
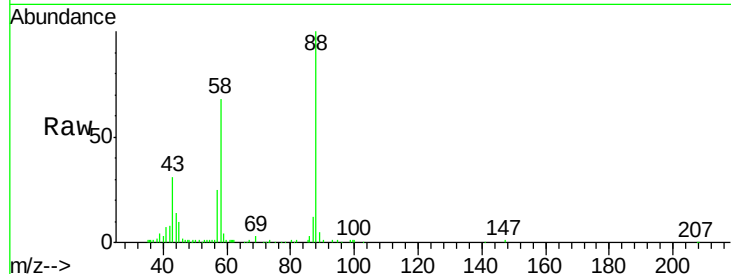
#49
1,4-Dioxane
Concen: 380.717 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	27.3	40.9
58	75.2	57.4	86.0

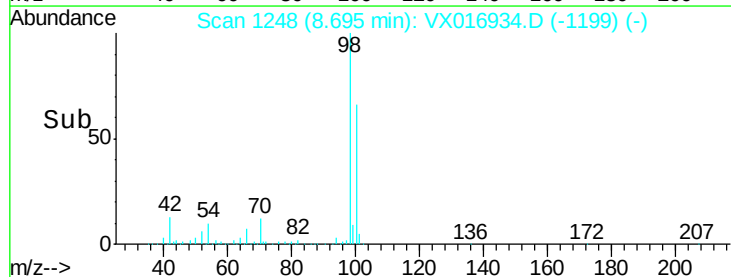
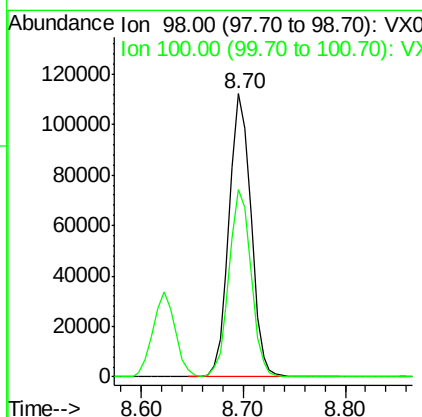
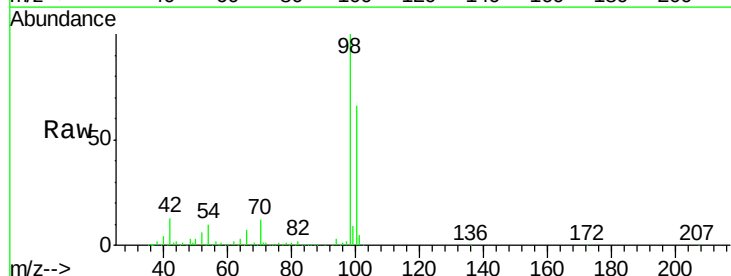
Manual Integrations
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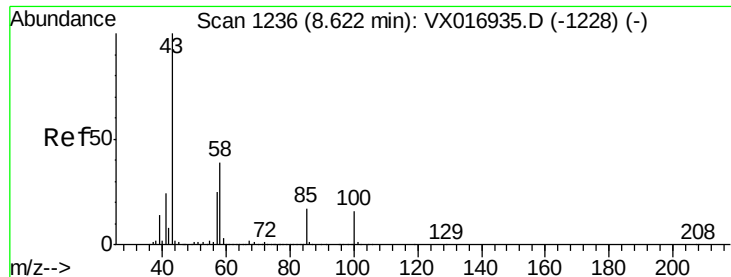
MMDadoda
6/24/2020 10:54:34 AM



#50
Toluene-d8
Concen: 18.578 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.3	78.5





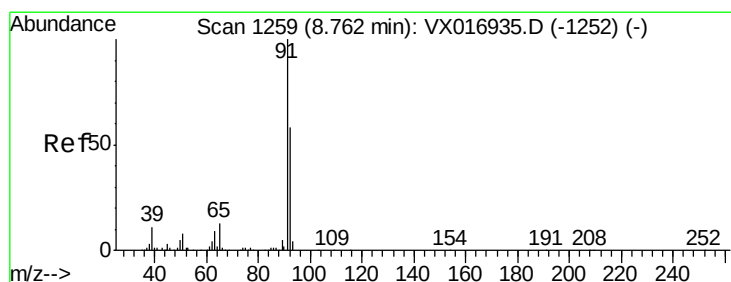
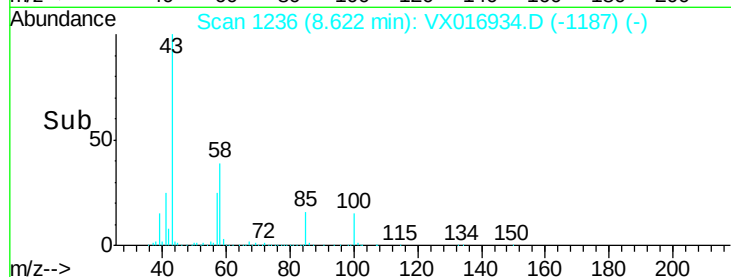
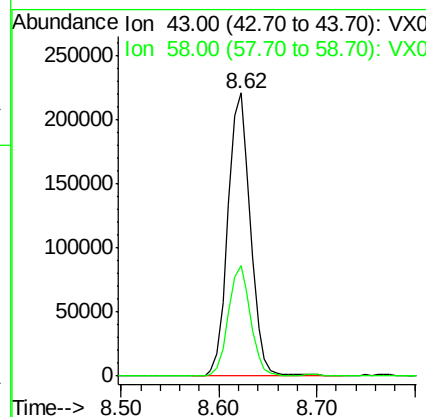
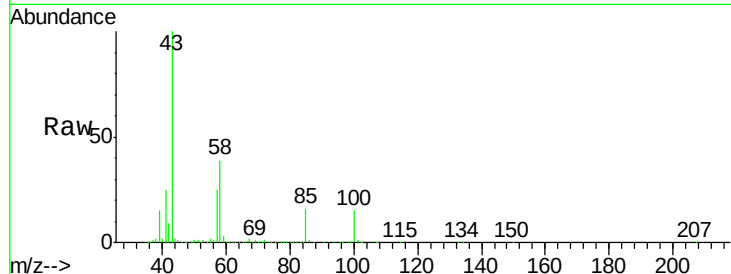
#51
4-Methyl-2-Pentanone
Concen: 89.164 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.6	46.0

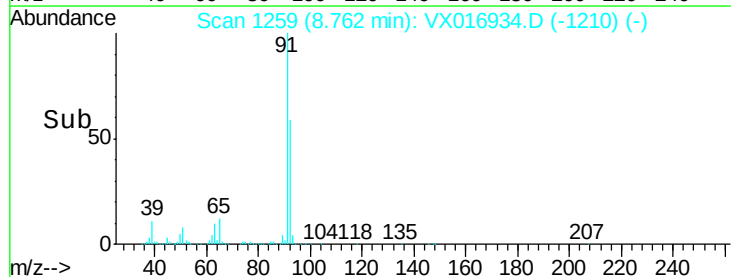
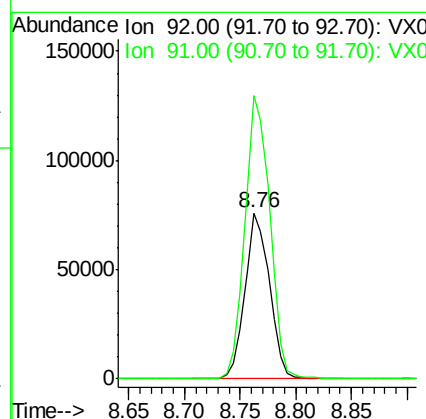
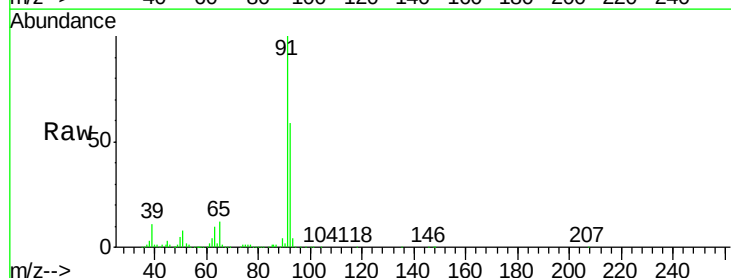
Manual Integrations
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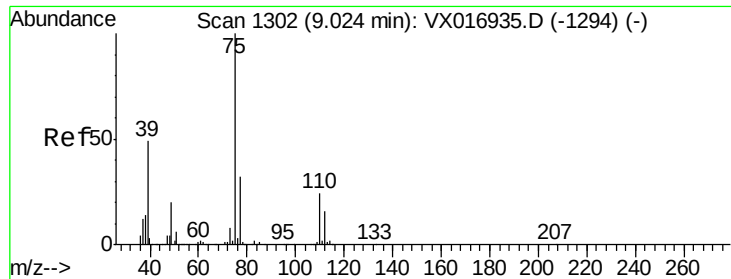
MMDadoda
6/24/2020 10:54:34 AM



#52
Toluene
Concen: 18.567 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	137.4	206.0





#53

t-1,3-Dichloropropene

Concen: 18.285 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 85956

Ion Ratio Lower Upper

75 100

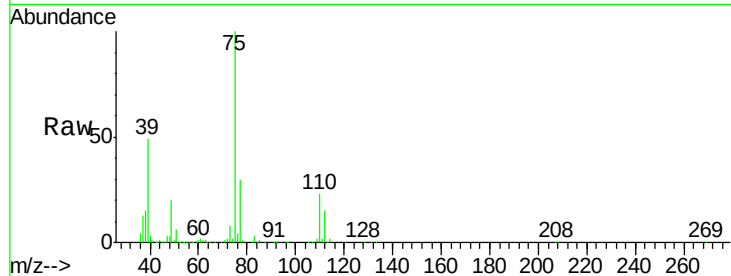
77 30.3 25.7 38.5

Manual Integrations

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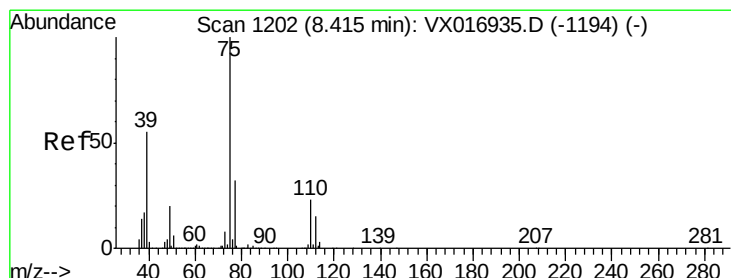
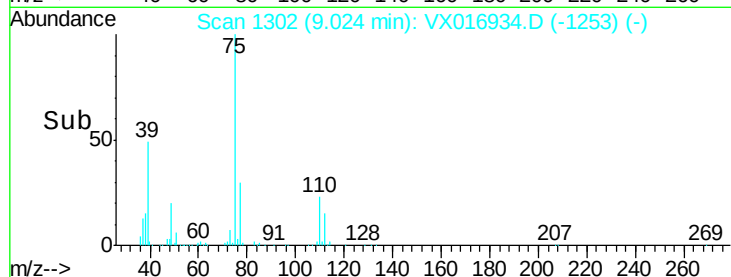
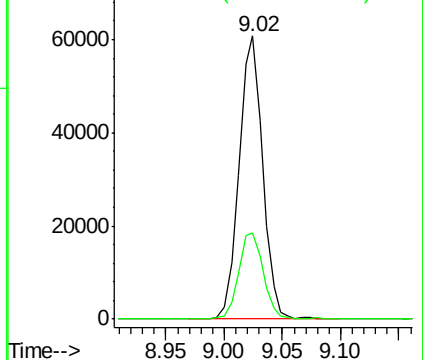
MMDadoda

6/24/2020 10:54:34 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.506 ug/l

RT: 8.42 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

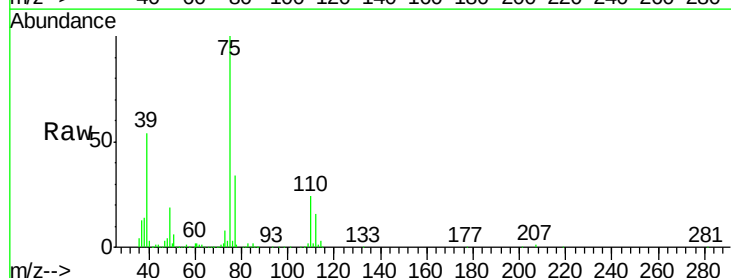
Tgt Ion: 75 Resp: 83947

Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3

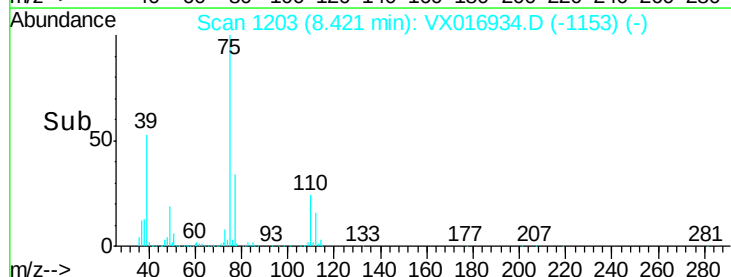
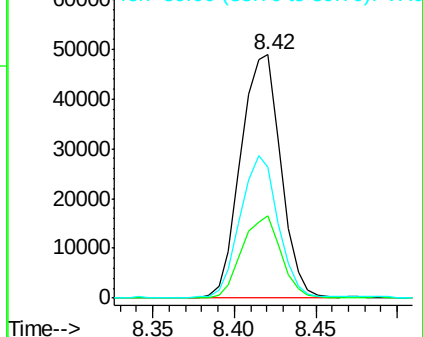
39 53.0 44.4 66.6

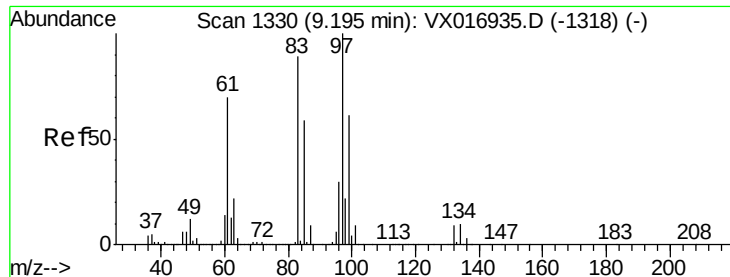


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 18.931 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

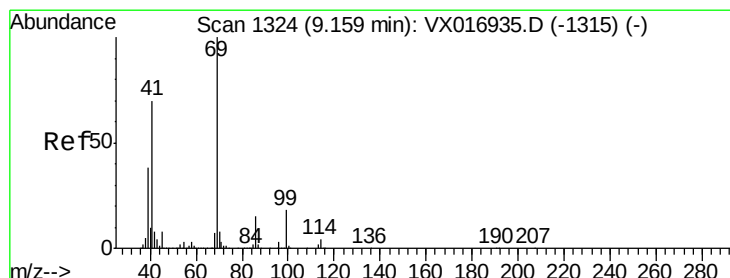
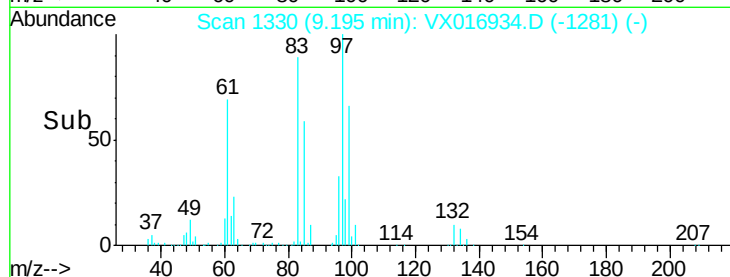
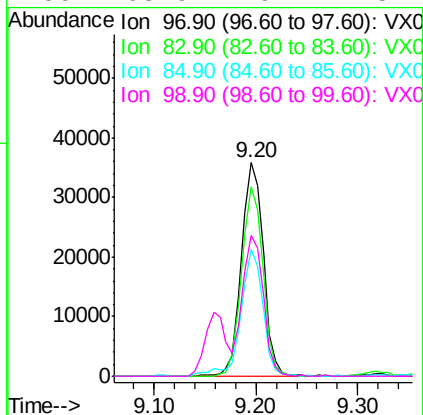
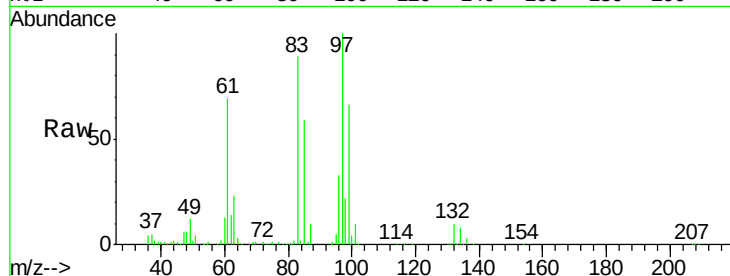
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	53557
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.3	106.9
85	58.9	47.4	71.2
99	65.9	49.1	73.7

Manual Integrations
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6/24/2020 10:54:34 AM



#56

Ethyl methacrylate

Concen: 17.844 ug/l

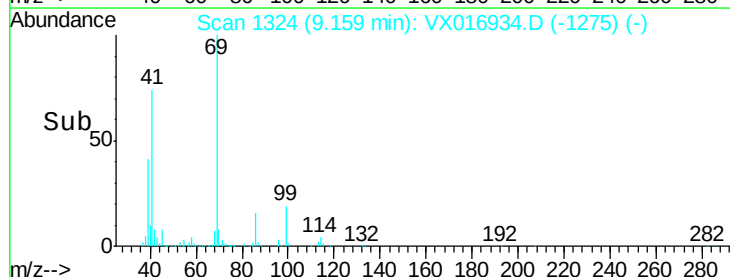
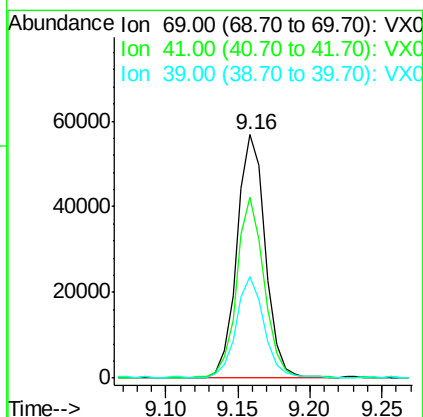
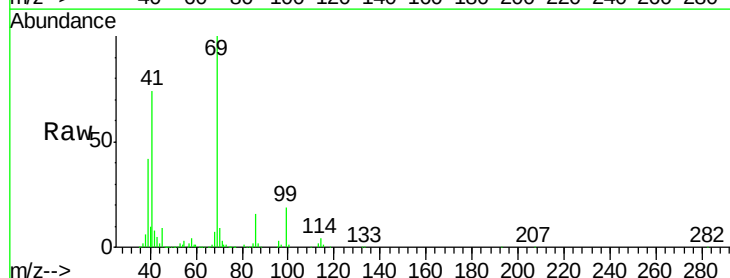
RT: 9.16 min Scan# 1324

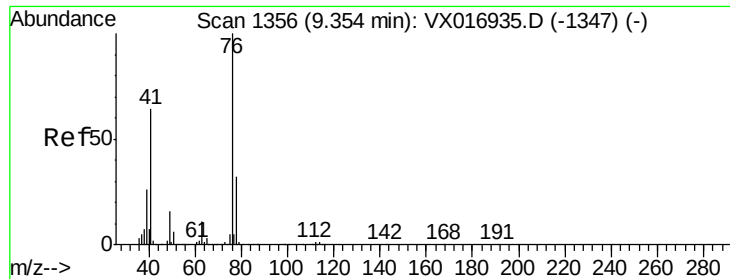
Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	69	Resp:	78195
Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.6	84.8
39	40.6	31.8	47.8





#57

1,3-Dichloropropane

Concen: 18.492 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 87683

Ion Ratio Lower Upper

76 100

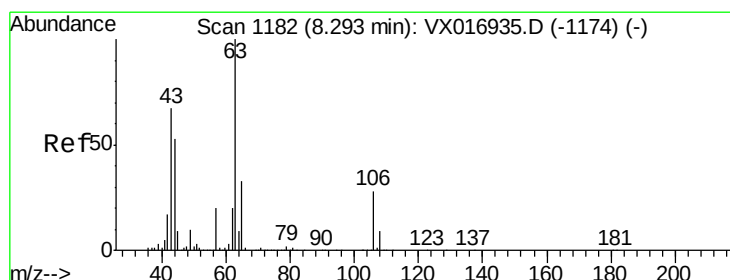
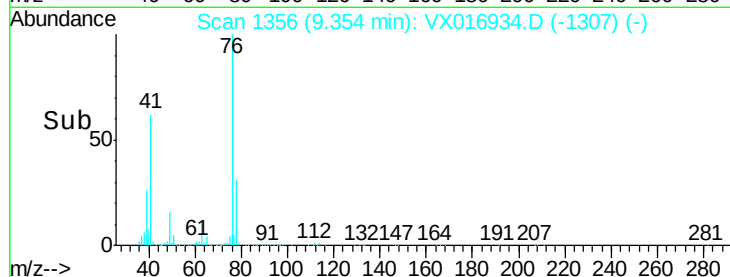
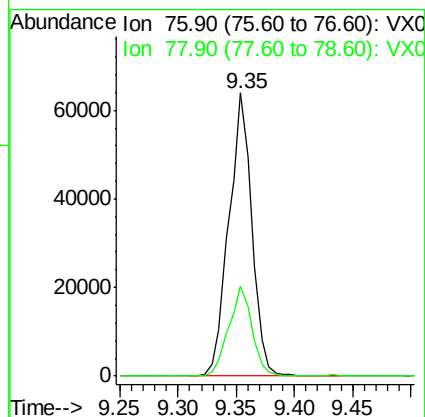
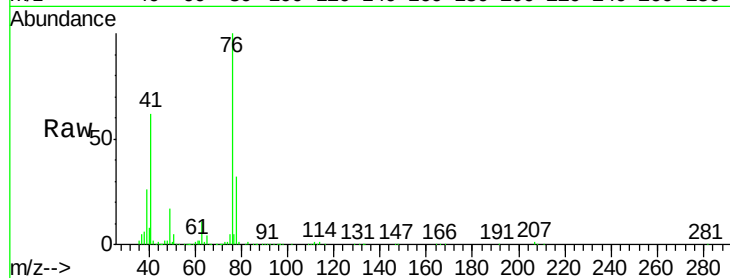
78 31.9 26.0 39.0

Manual Integrations

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MMDadoda

6/24/2020 10:54:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 106.135 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016934.D

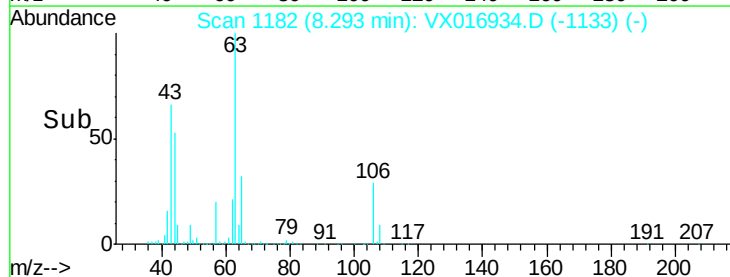
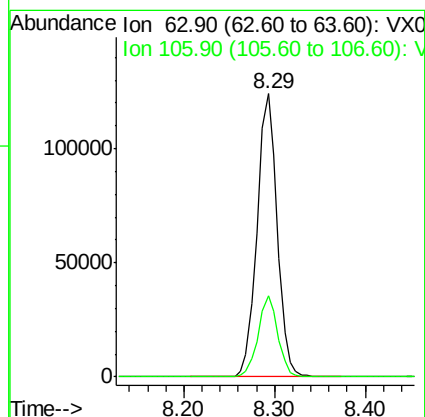
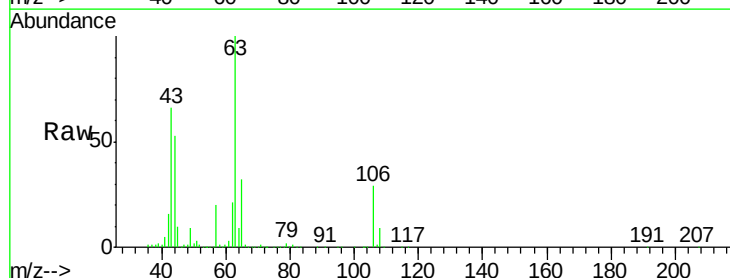
Acq: 23 Jun 2020 16:53

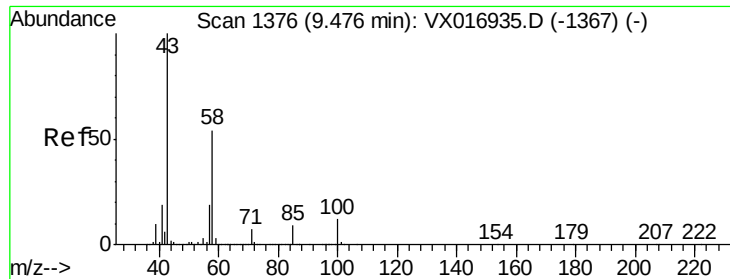
Tgt Ion: 63 Resp: 190510

Ion Ratio Lower Upper

63 100

106 28.0 22.4 33.6





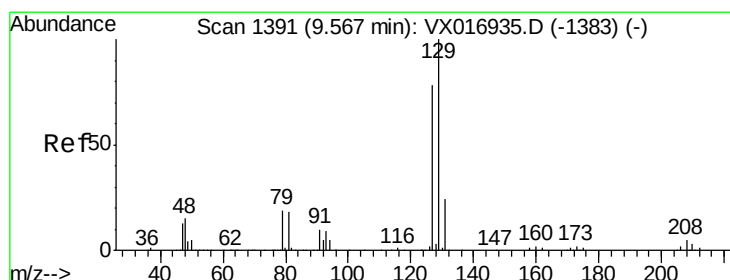
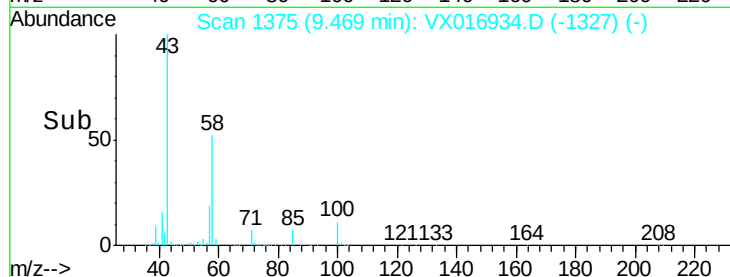
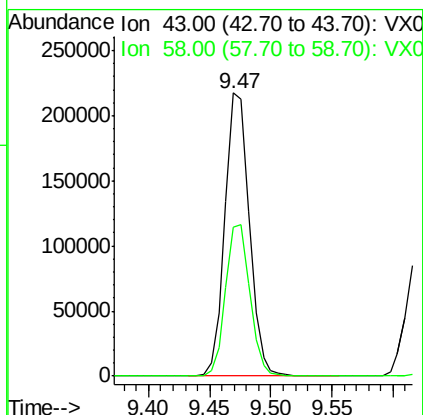
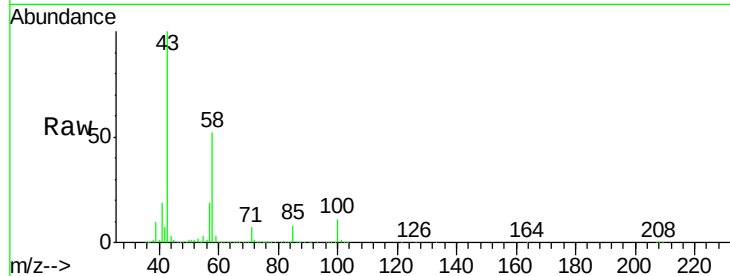
#59
2-Hexanone
Concen: 99.633 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.8	80.4

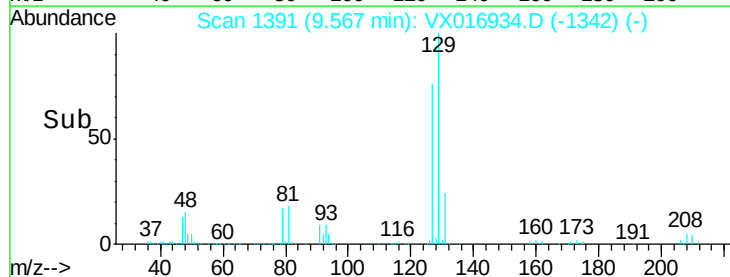
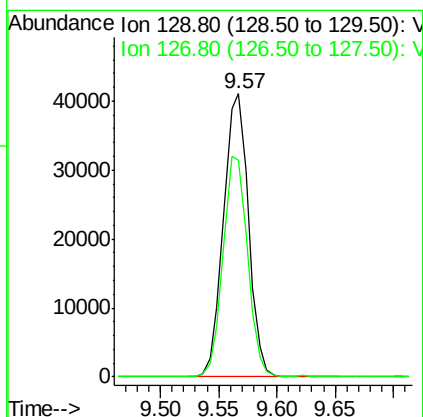
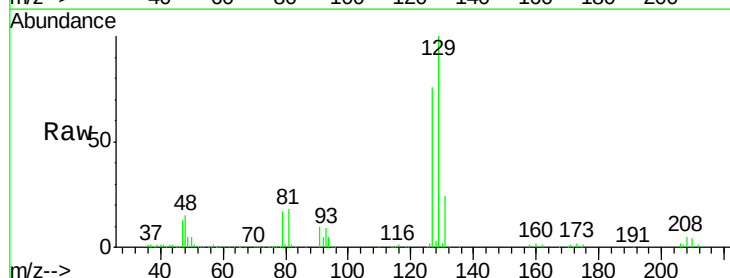
Manual Integrations
APPROVED

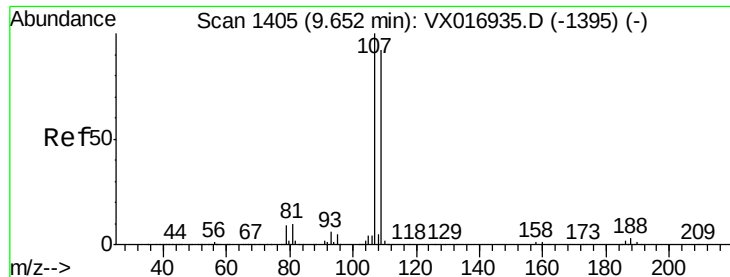
MMDadoda
6/24/2020 10:54:34 AM



#60
Dibromochloromethane
Concen: 19.714 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.2	117.6





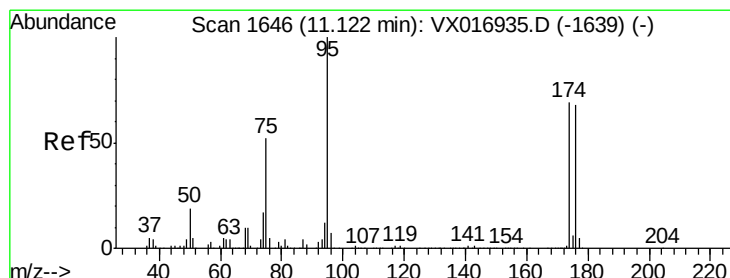
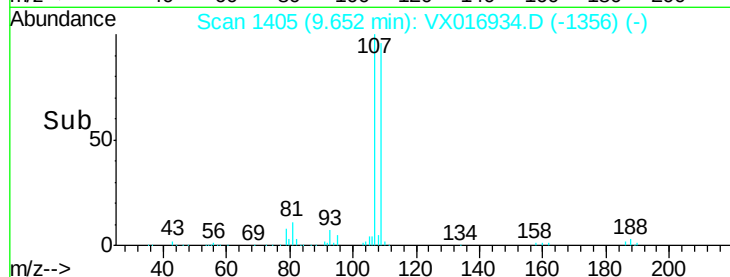
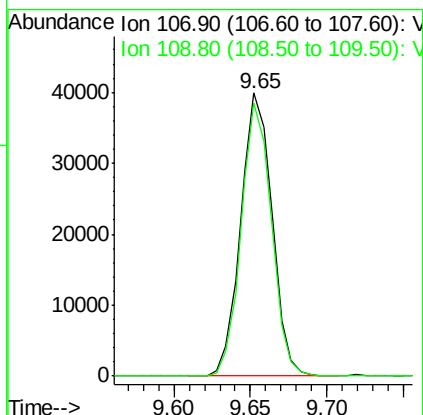
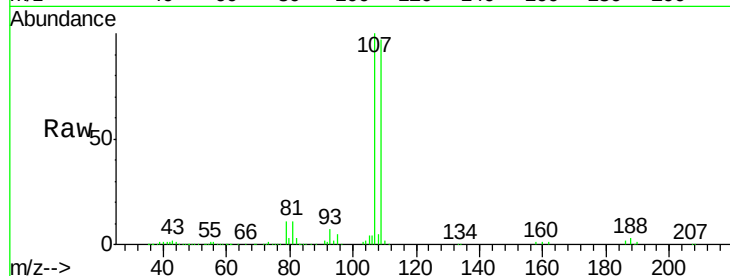
#61
 1,2-Dibromoethane
 Concen: 19.538 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.8	110.8

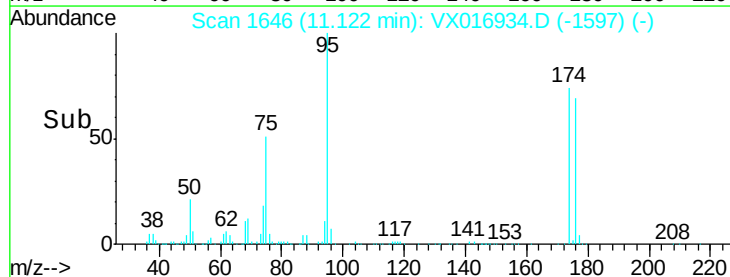
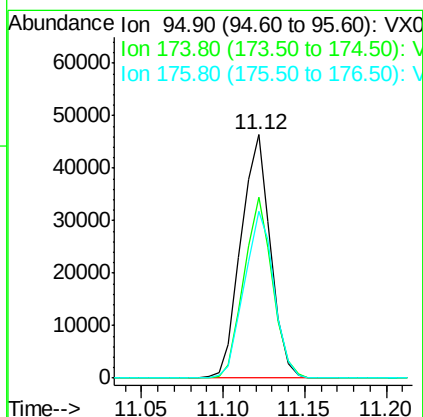
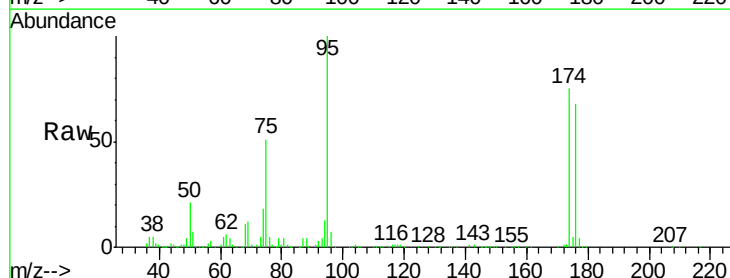
Manual Integrations
 APPROVED

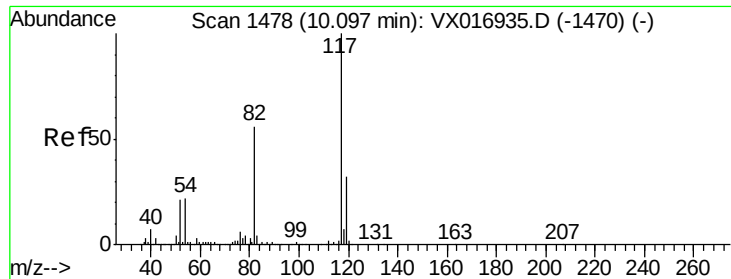
MMDadoda
 6/24/2020 10:54:34 AM



#62
 4-Bromofluorobenzene
 Concen: 16.157 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	138.0
176	69.3	0.0	135.4





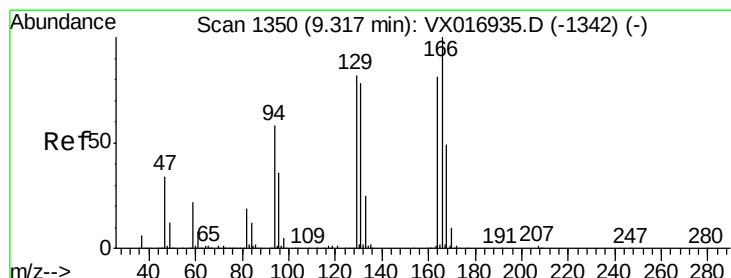
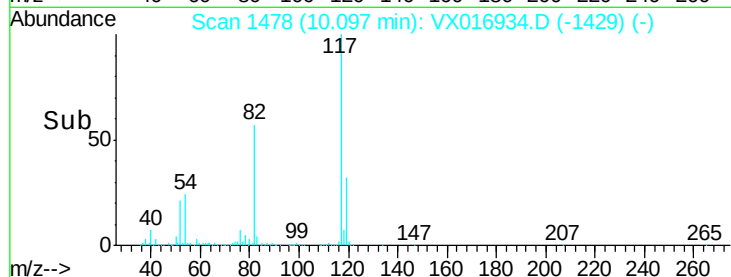
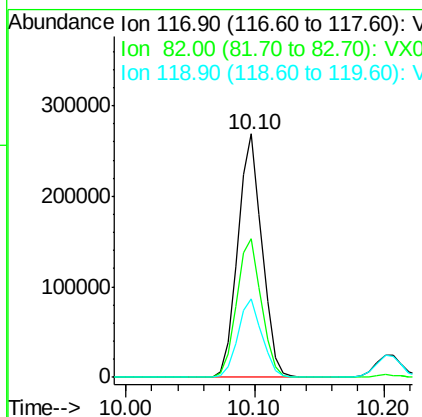
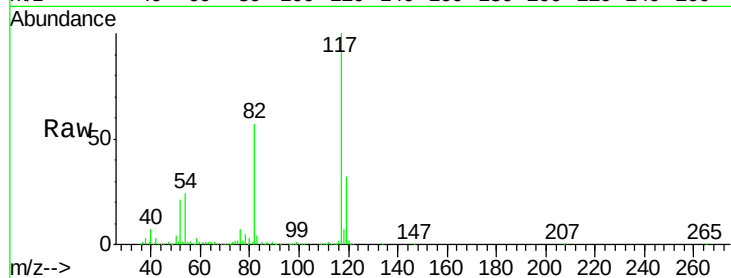
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	349866		
82	56.8		44.7	67.1
119	32.2		25.4	38.0

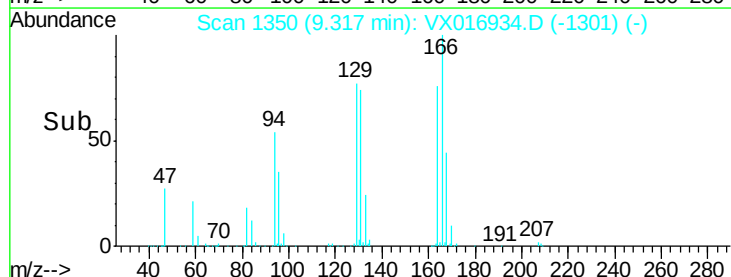
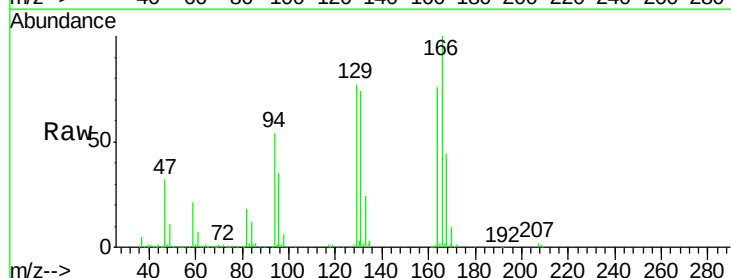
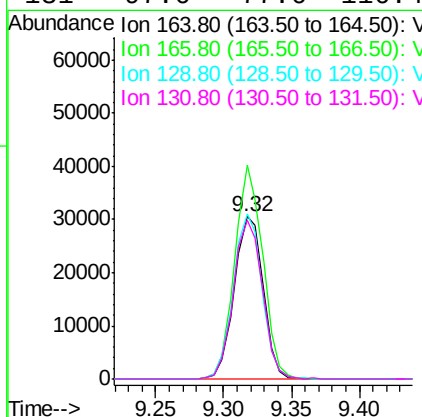
Manual Integrations
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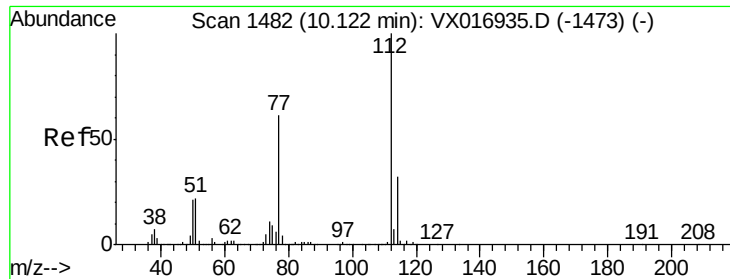
MMDadoda
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#64
Tetrachloroethene
Concen: 19.078 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45310		
166	131.5		99.3	148.9
129	101.6		81.4	122.0
131	97.6		77.6	116.4





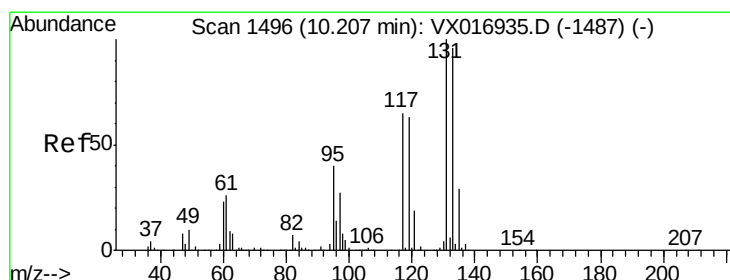
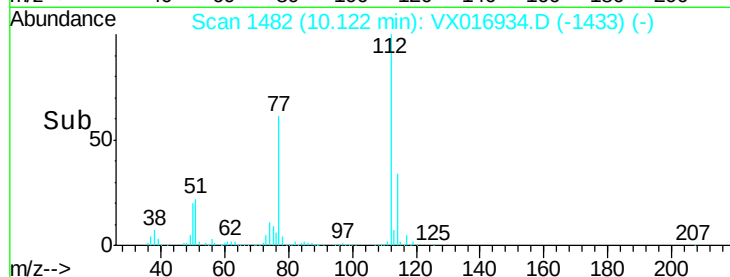
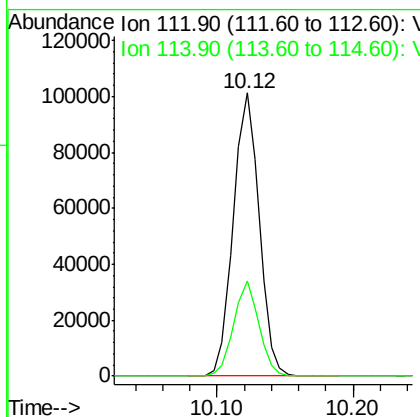
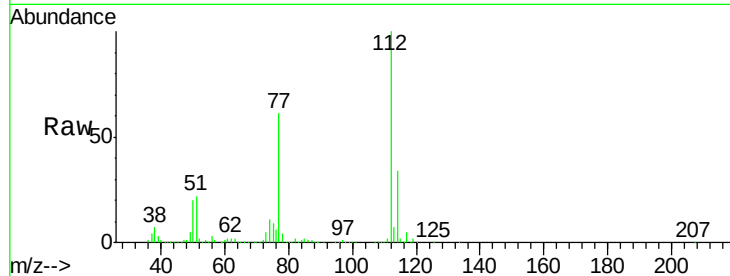
#65
Chlorobenzene
Concen: 18.798 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.5	38.3

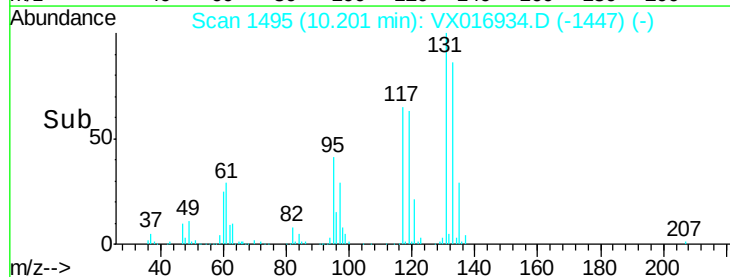
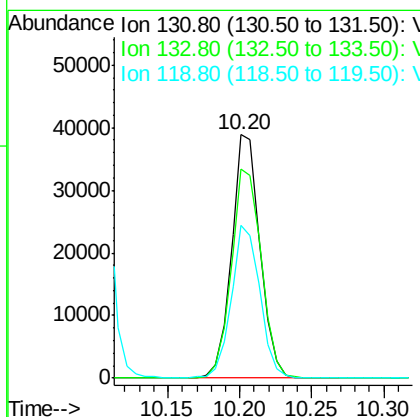
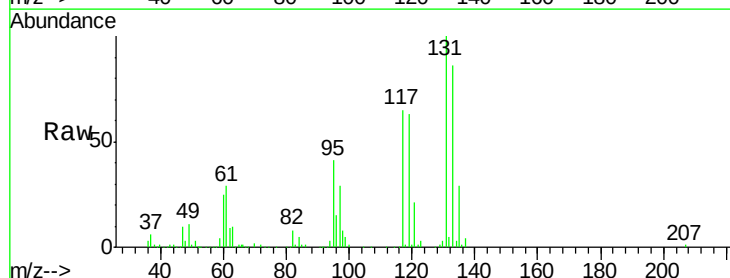
Manual Integrations
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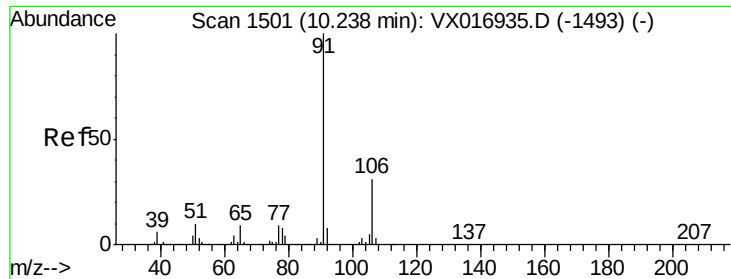
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.316 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.4	48.3	144.9
119	63.1	32.7	98.1





#67

Ethyl Benzene

Concen: 18.474 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 236103

Ion Ratio Lower Upper

91 100

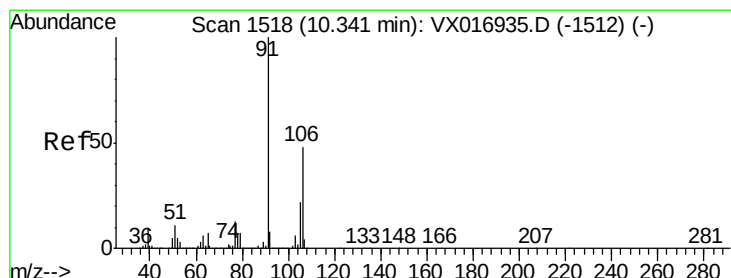
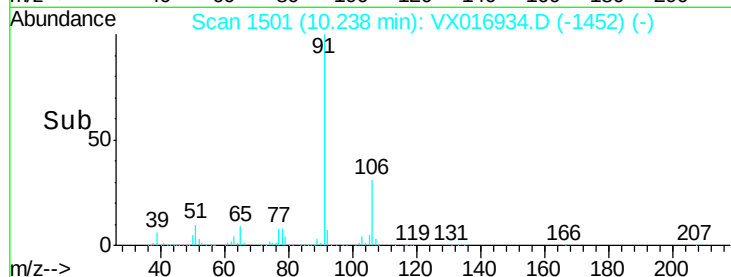
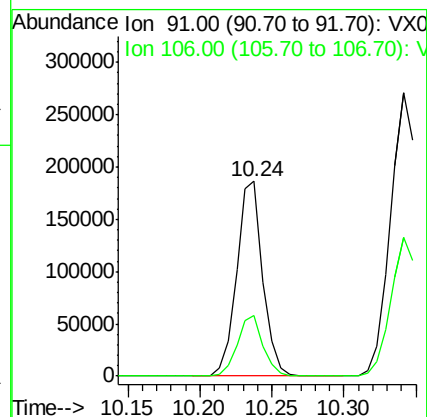
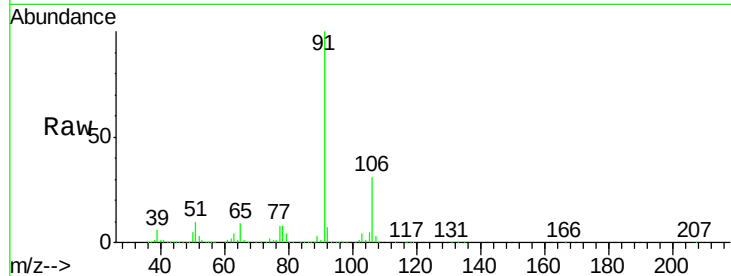
106 30.8 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 37.639 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016934.D

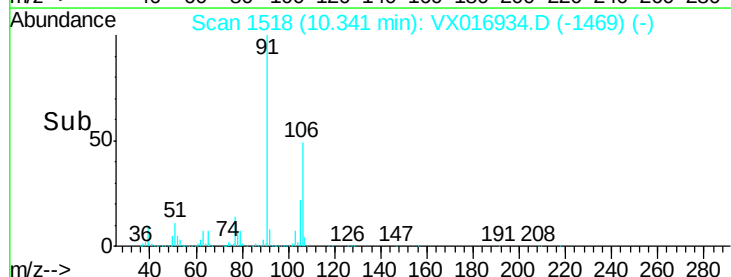
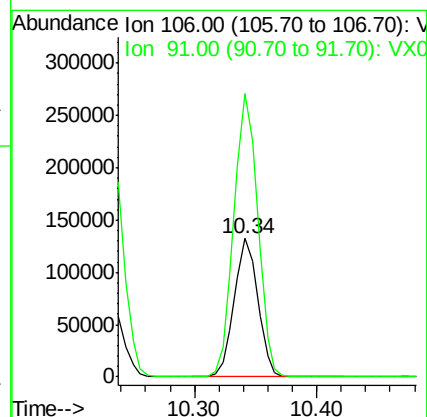
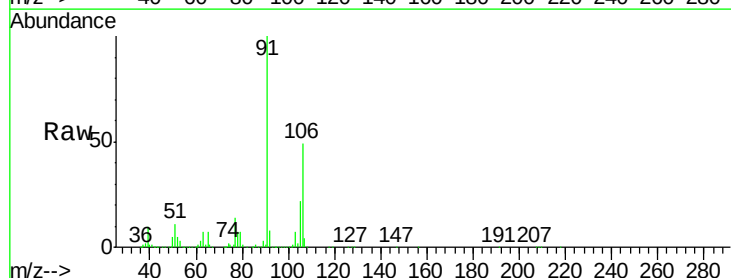
Acq: 23 Jun 2020 16:53

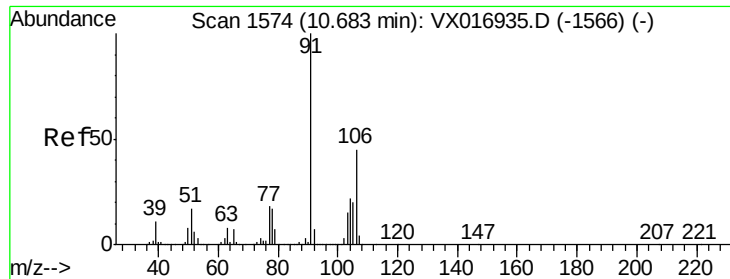
Tgt Ion: 106 Resp: 176659

Ion Ratio Lower Upper

106 100

91 206.5 166.2 249.2





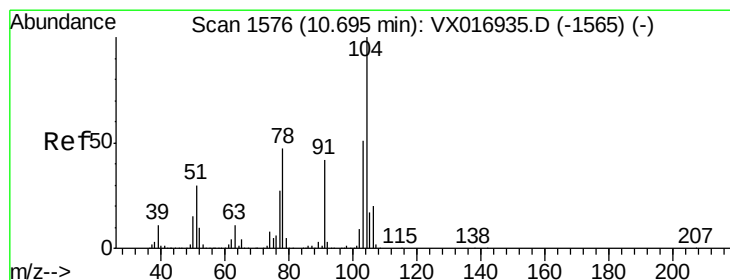
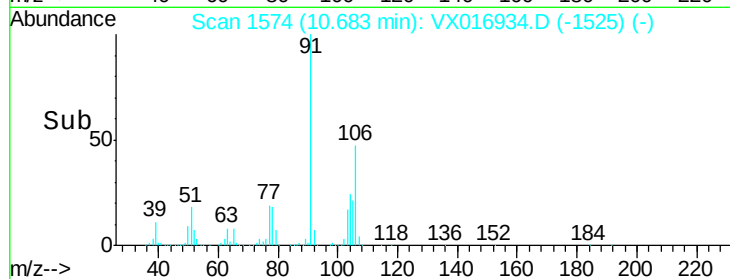
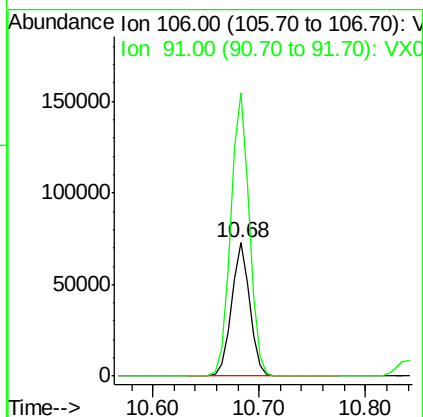
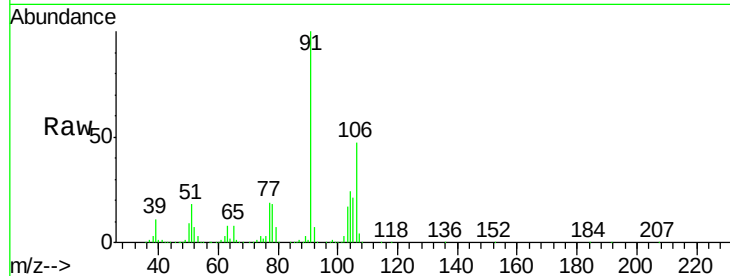
#69
o-Xylene
Concen: 19.553 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 87664
Ion Ratio Lower Upper
106 100
91 216.5 109.8 329.4

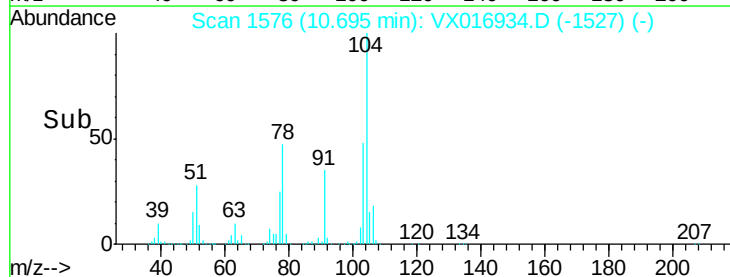
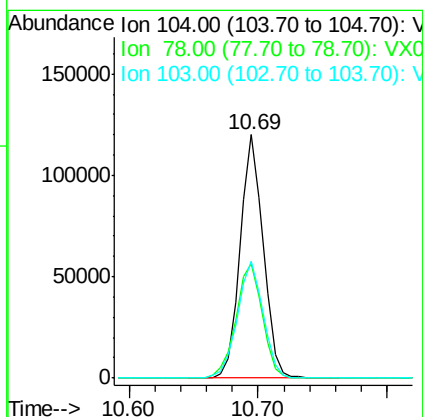
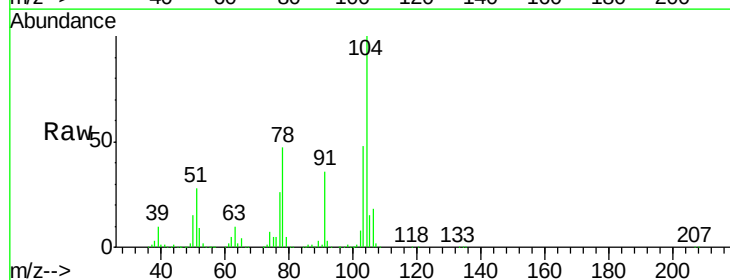
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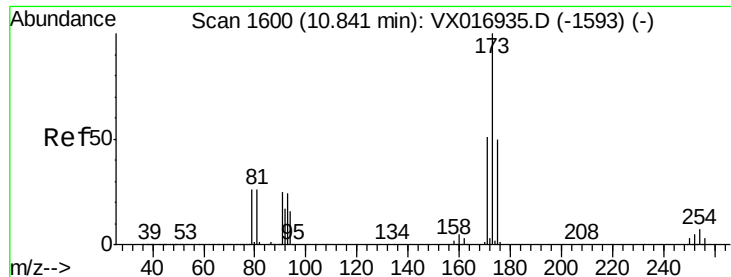
MMDadoda
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#70
Styrene
Concen: 19.473 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion:104 Resp: 148586
Ion Ratio Lower Upper
104 100
78 53.9 41.6 62.4
103 54.2 42.7 64.1





#71

Bromoform

Concen: 18.839 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 38777

Ion Ratio Lower Upper

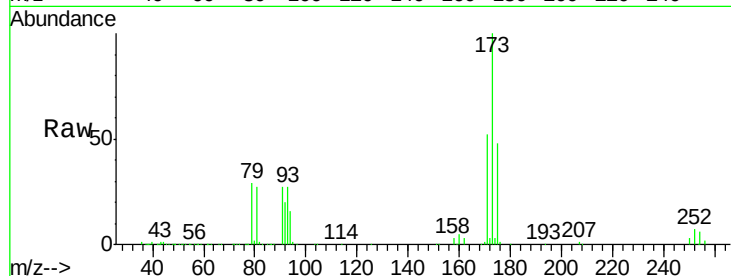
173 100

175 48.9 24.3 72.9

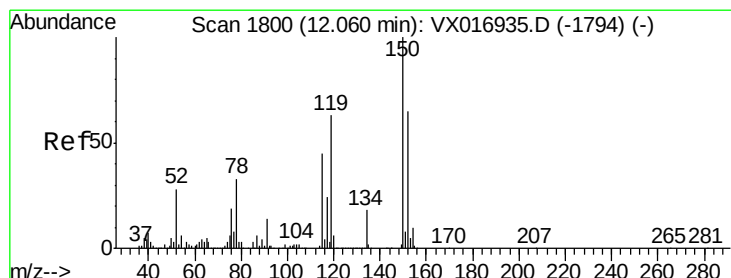
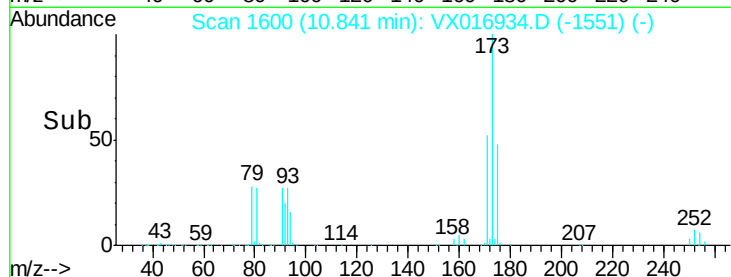
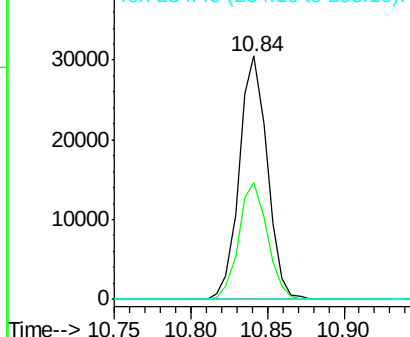
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

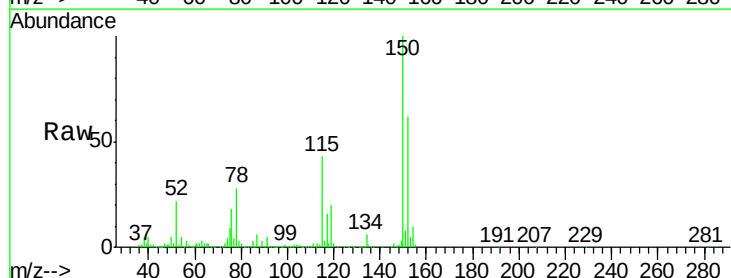
Tgt Ion:152 Resp: 161493

Ion Ratio Lower Upper

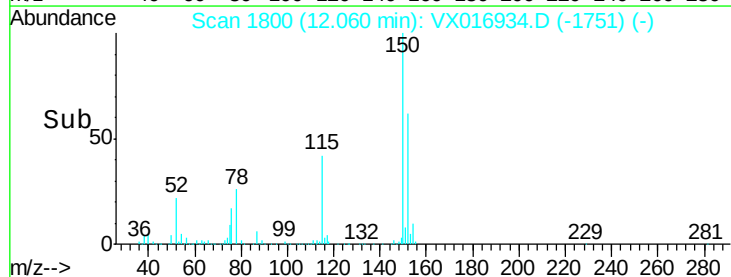
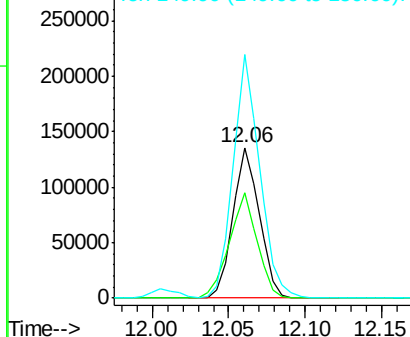
152 100

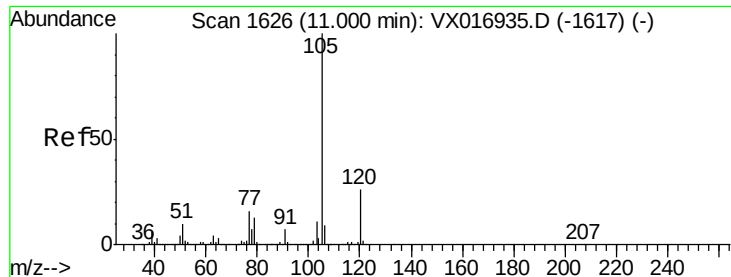
115 74.0 43.1 129.4

150 163.9 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





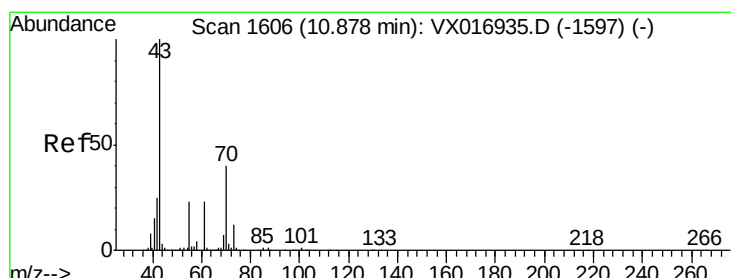
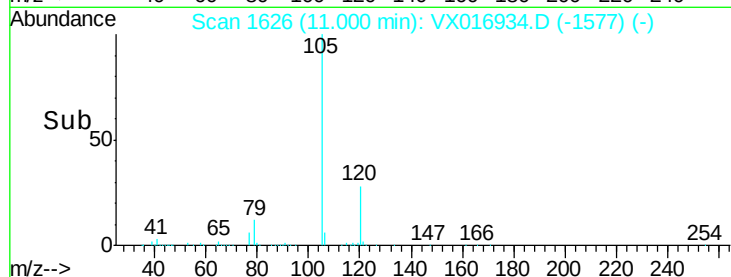
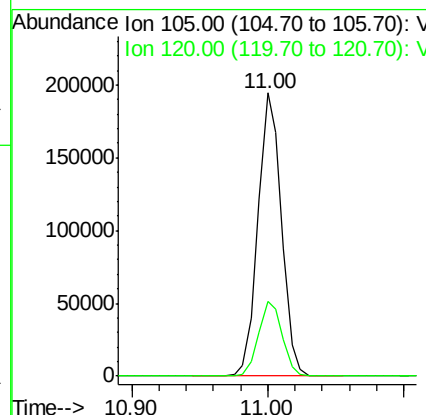
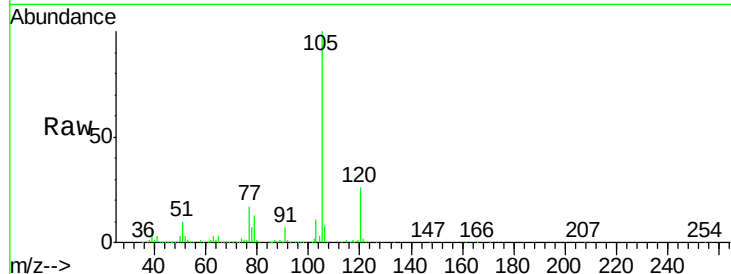
#73
Isopropylbenzene
Concen: 19.791 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

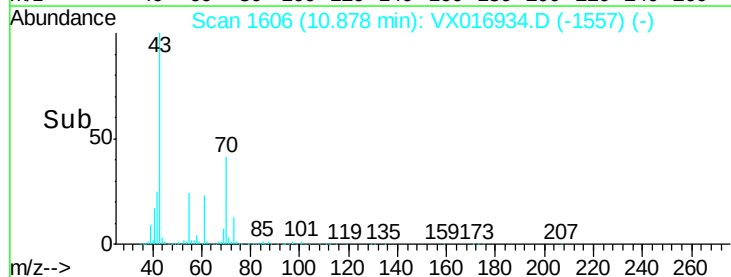
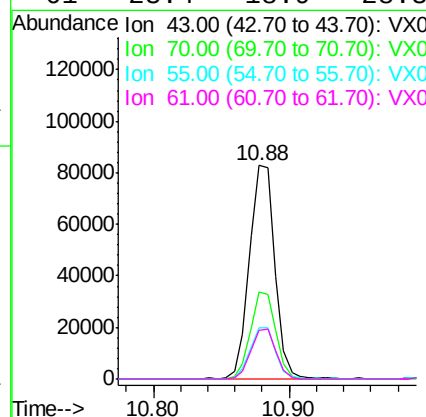
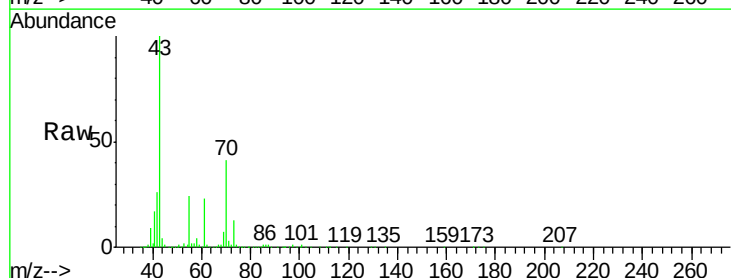
Manual Integrations
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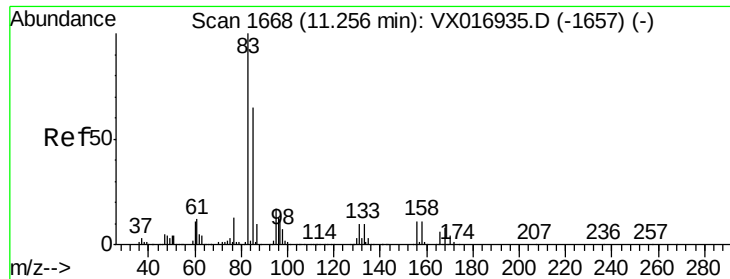
MMDadoda
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#74
N-ethyl acetate
Concen: 18.049 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.6	49.0
55	24.3	18.8	28.2
61	23.4	18.9	28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.593 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

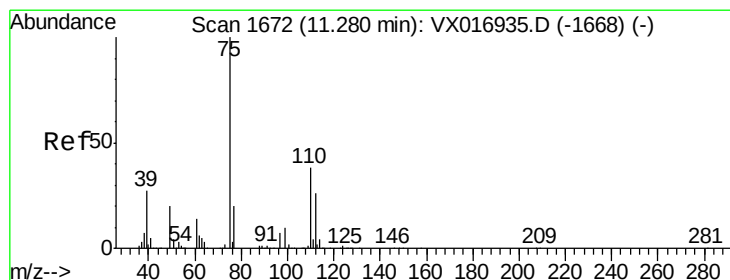
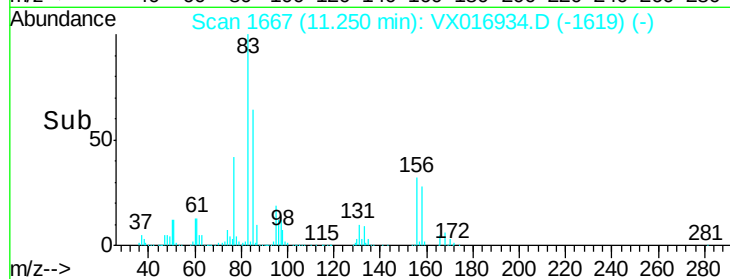
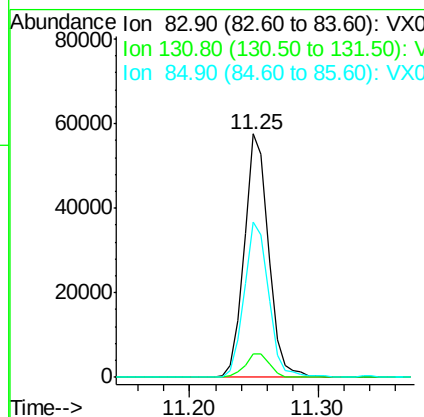
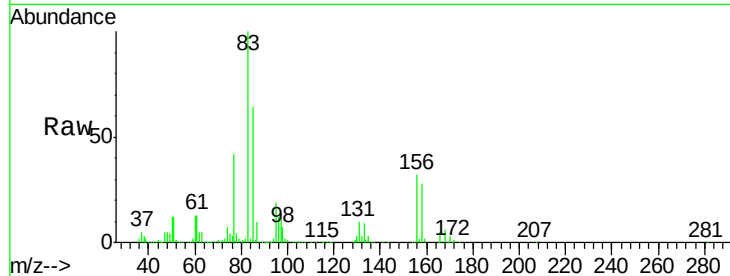
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	74552
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	64.7	32.3	96.8

Manual Integrations
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6/24/2020 10:54:34 AM



#76

1,2,3-Trichloropropane

Concen: 16.377 ug/l m

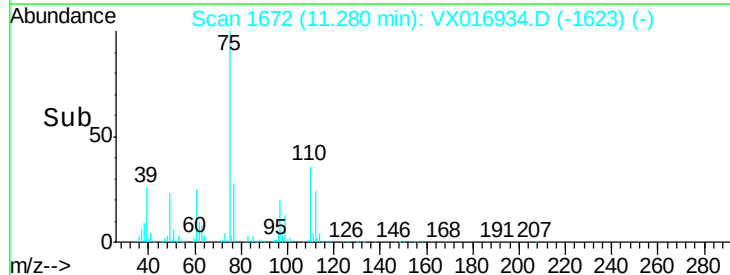
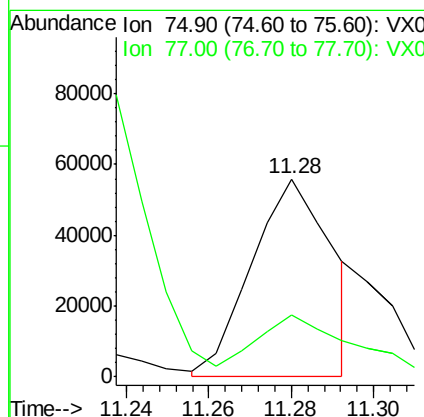
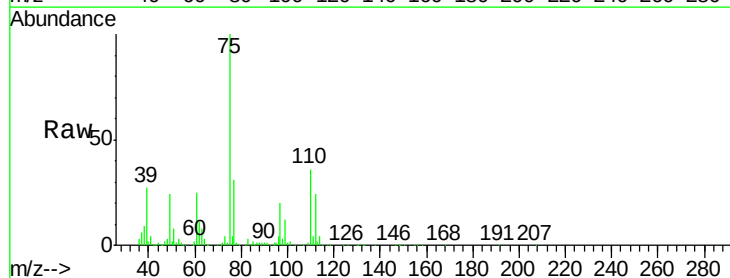
RT: 11.28 min Scan# 1672

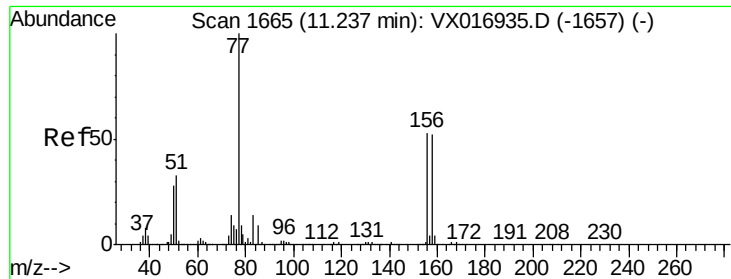
Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	75	Resp:	75717
Ion Ratio	Lower	Upper	
75	100		
77	38.3	20.1	60.3





#77

Bromobenzene

Concen: 18.877 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 55538

Ion Ratio Lower Upper

156 100

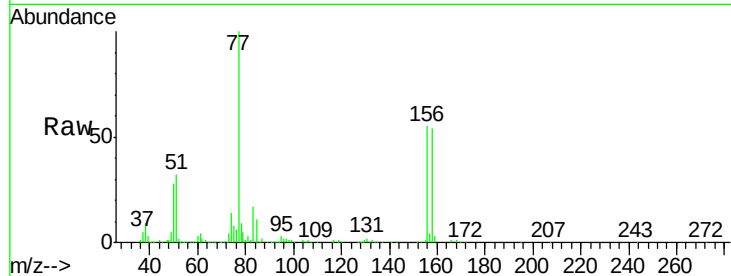
77 176.2 91.0 273.1

158 92.5 48.4 145.3

Manual Integrations
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MMDadoda

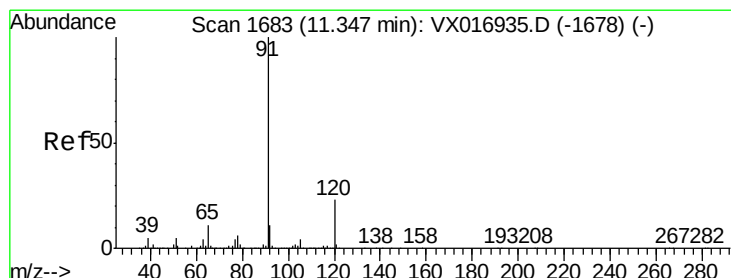
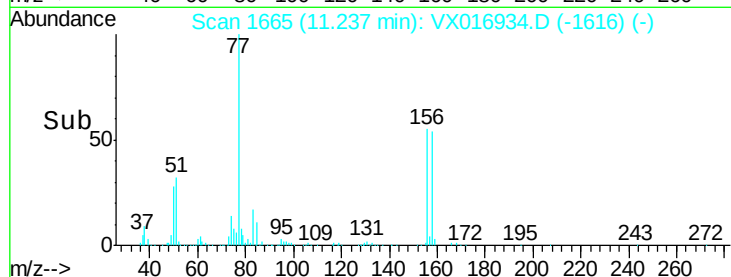
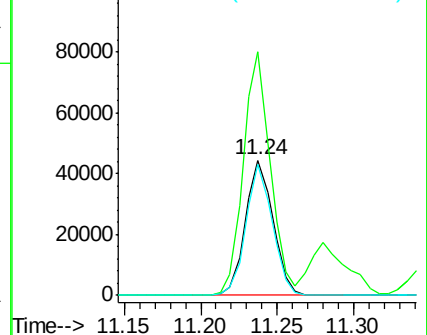
6/24/2020 10:54:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.563 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016934.D

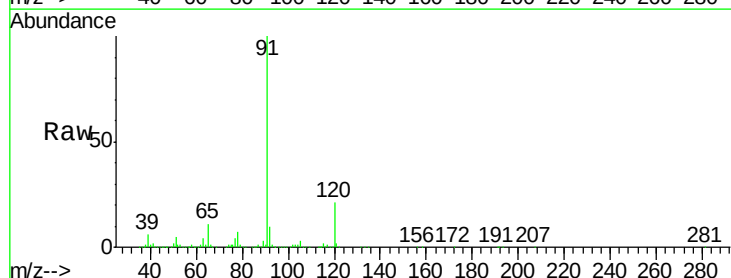
Acq: 23 Jun 2020 16:53

Tgt Ion: 91 Resp: 226280

Ion Ratio Lower Upper

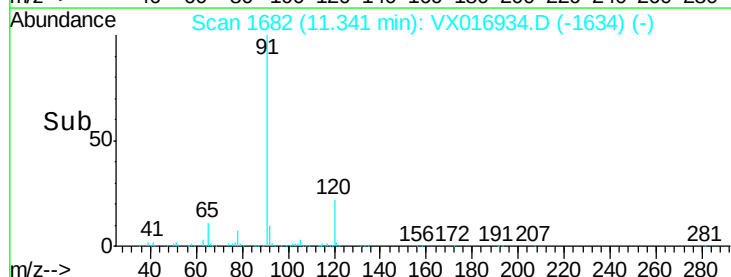
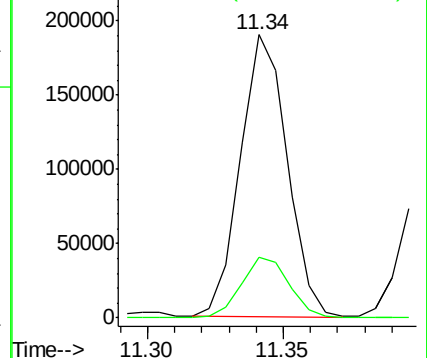
91 100

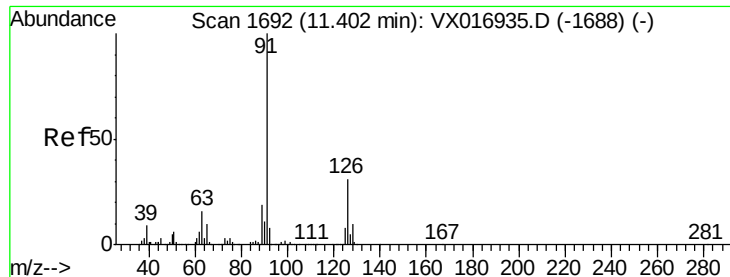
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.164 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 148470

Ion Ratio Lower Upper

91 100

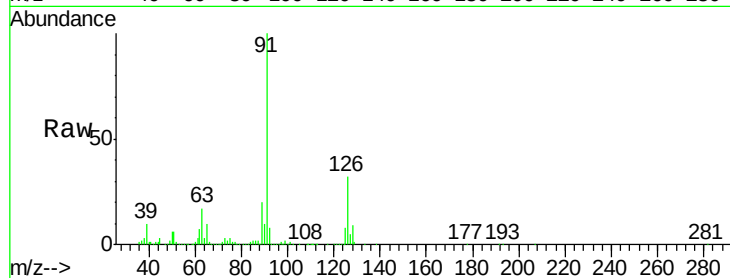
126 32.9 16.2 48.6

Manual Integrations

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6/24/2020 10:54:34 AM



Abundance Ion 91.00 (90.70 to 91.70): VX016934.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016934.D (-1688) (-)

200000

150000

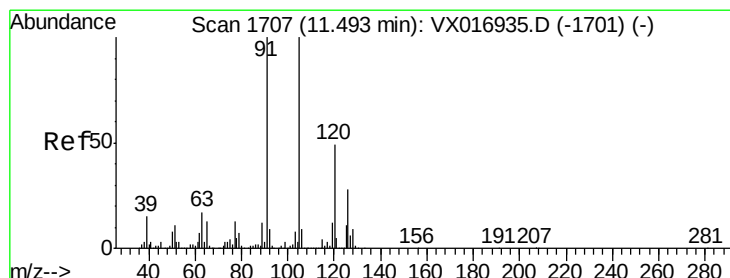
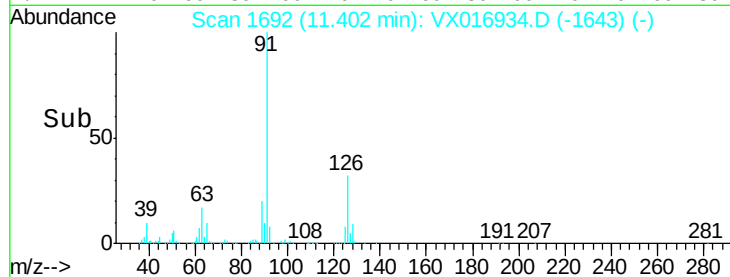
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.730 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX016934.D

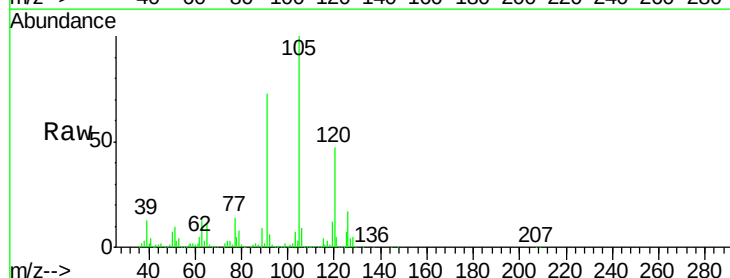
Acq: 23 Jun 2020 16:53

Tgt Ion: 105 Resp: 178936

Ion Ratio Lower Upper

105 100

120 49.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VX016934.D (-1658) (-)

Ion 120.00 (119.70 to 120.70): VX016934.D (-1658) (-)

150000

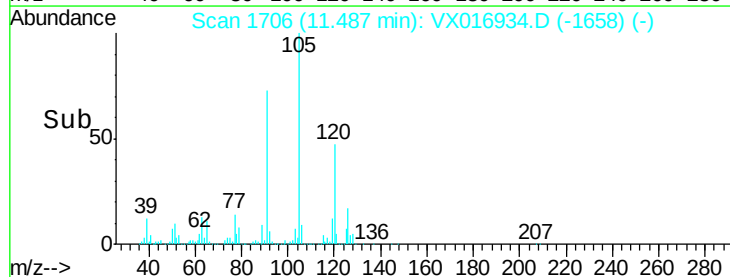
100000

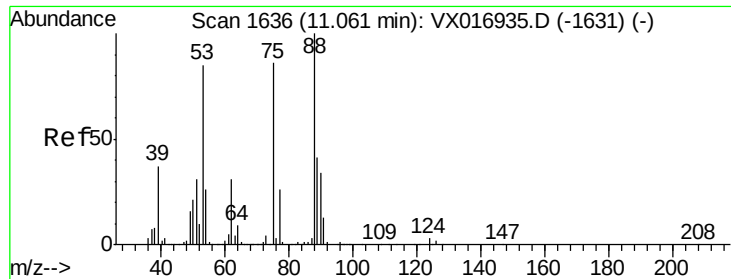
50000

0

11.45 11.50 11.55

Time-->





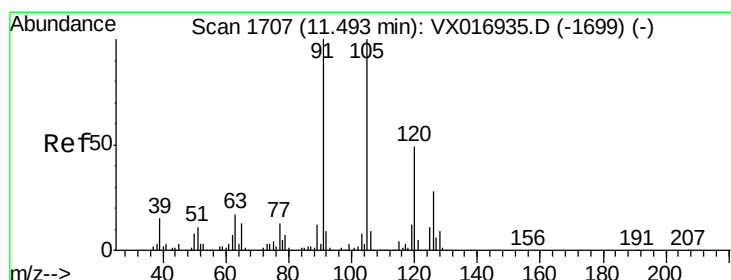
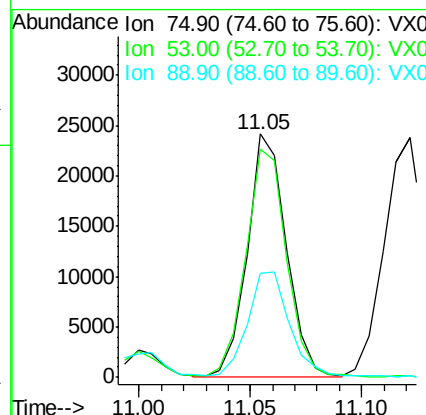
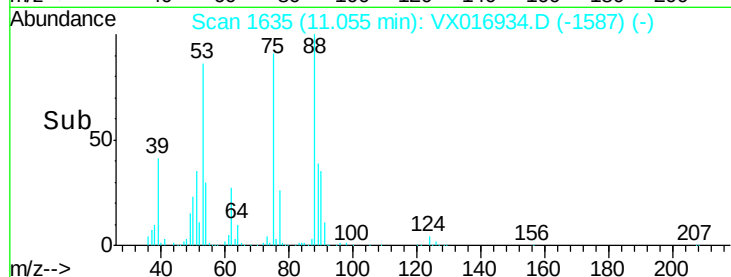
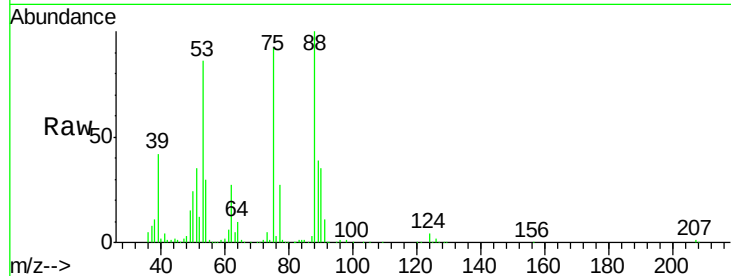
#81
trans-1,4-Dichloro-2-butene
Concen: 19.004 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.9	118.3
89	47.7	37.0	55.6

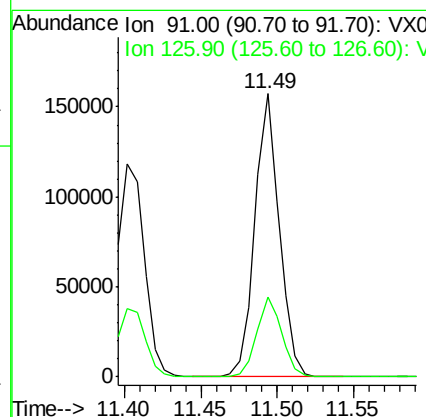
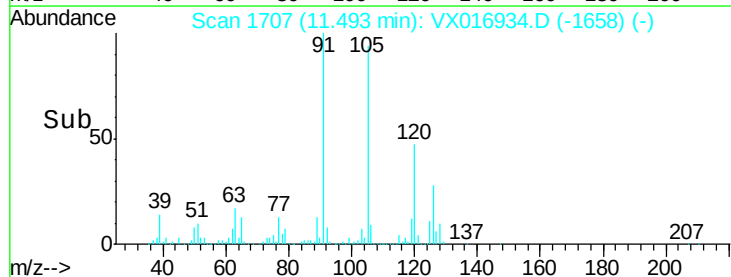
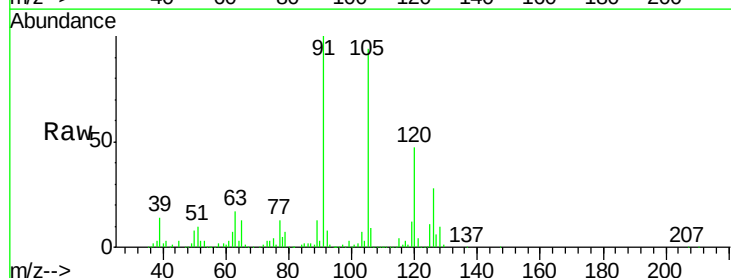
Manual Integrations
APPROVED

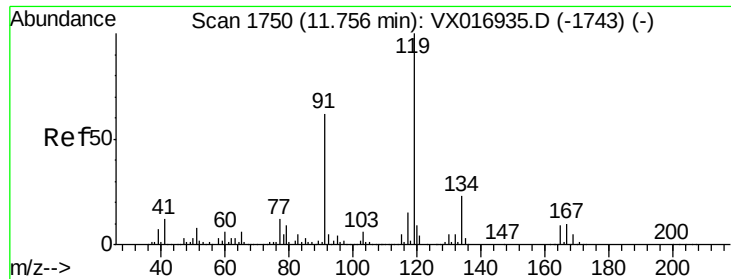
MMDadoda
6/24/2020 10:54:34 AM



#82
4-Chlorotoluene
Concen: 16.822 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.1	42.4





#83

tert-Butylbenzene

Concen: 18.667 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

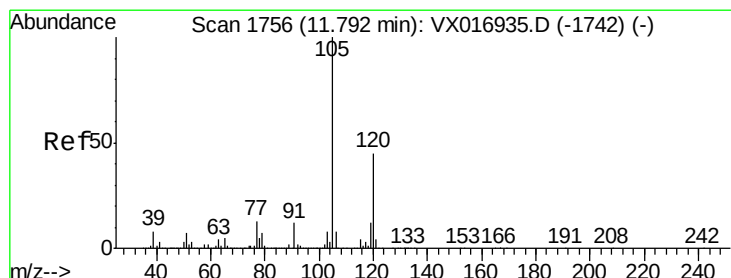
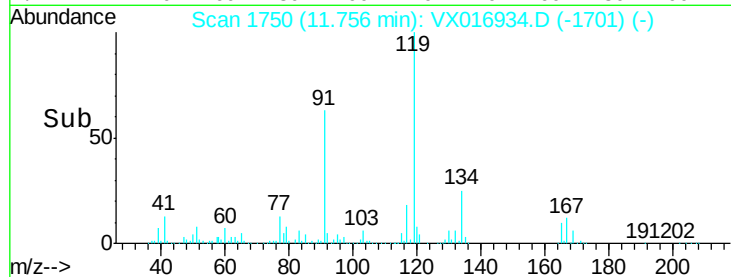
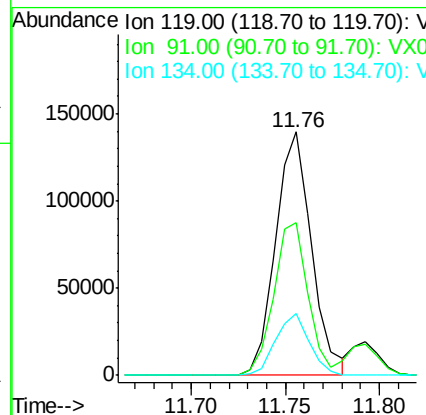
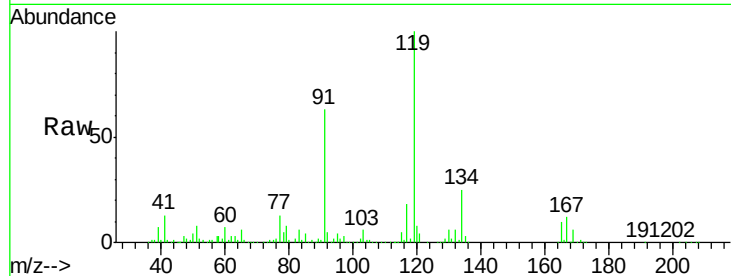
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	184445
Ion Ratio	Lower	Upper	
119	100		
91	59.7	30.3	90.9
134	23.7	11.4	34.2

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:54:34 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.650 ug/l

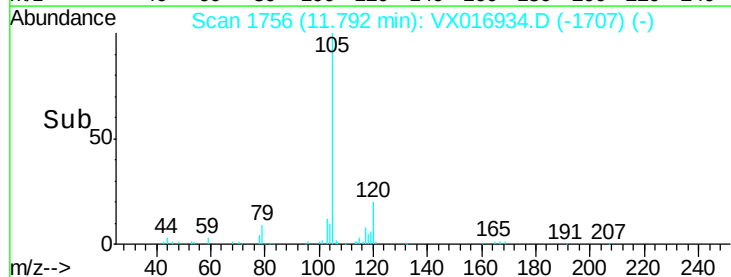
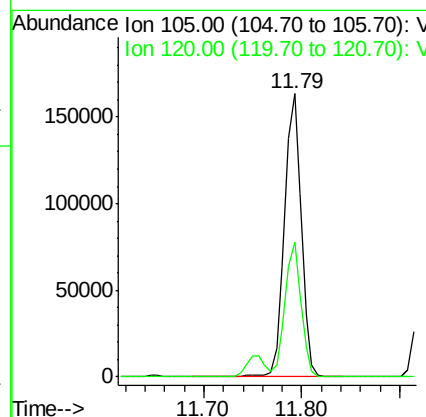
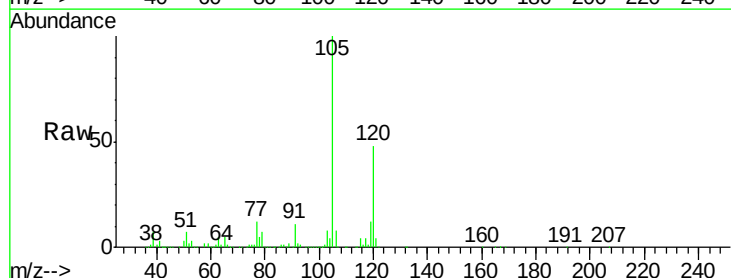
RT: 11.79 min Scan# 1756

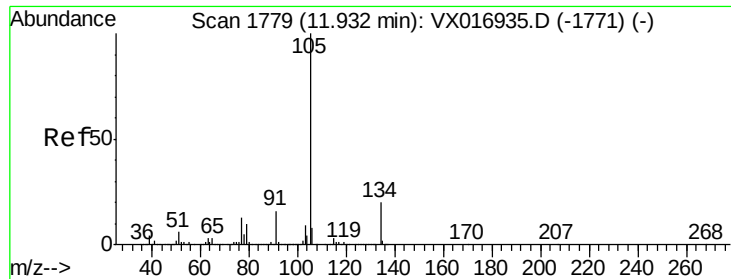
Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Tgt Ion:	105	Resp:	197025
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.4	67.0





#85

sec-Butylbenzene

Concen: 18.766 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 209180

Ion Ratio Lower Upper

105 100

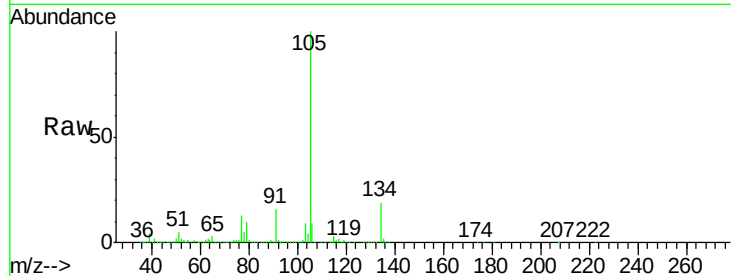
134 19.6 9.8 29.3

Manual Integrations

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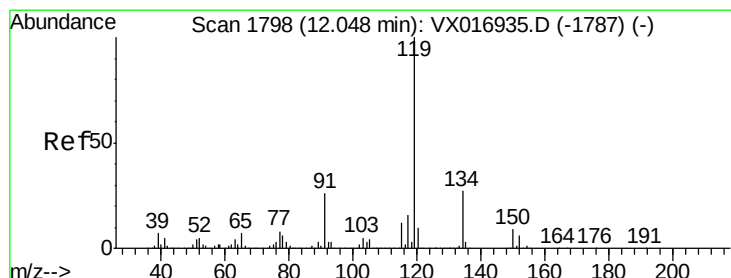
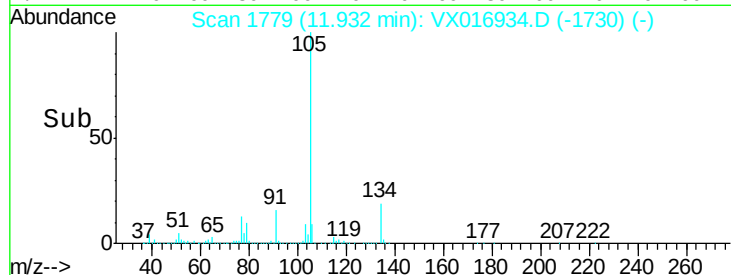
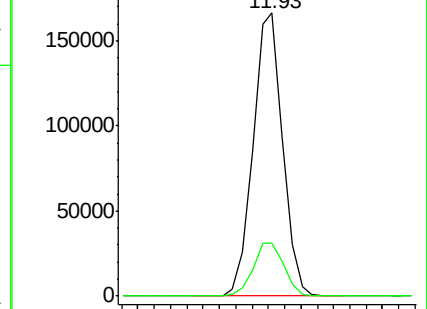
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.625 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

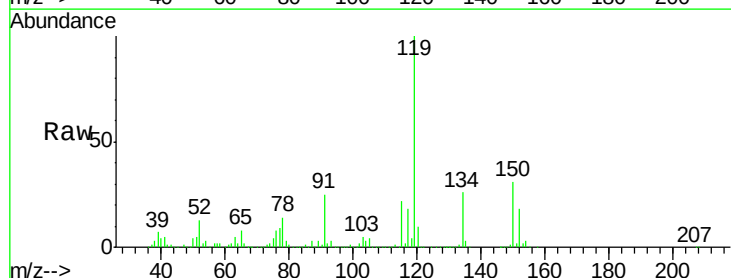
Tgt Ion:119 Resp: 202466

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

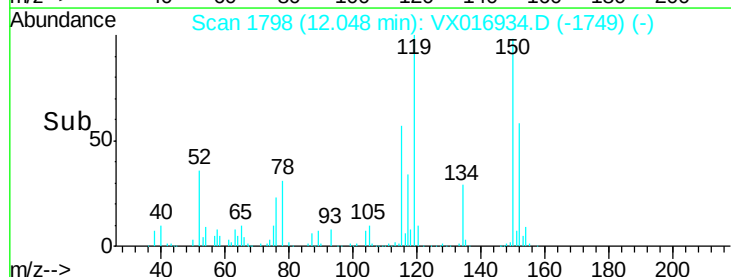
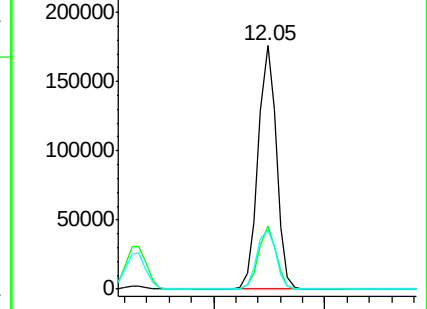
91 25.8 12.6 37.8

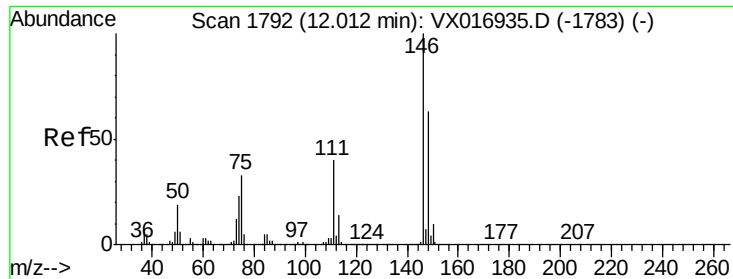


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





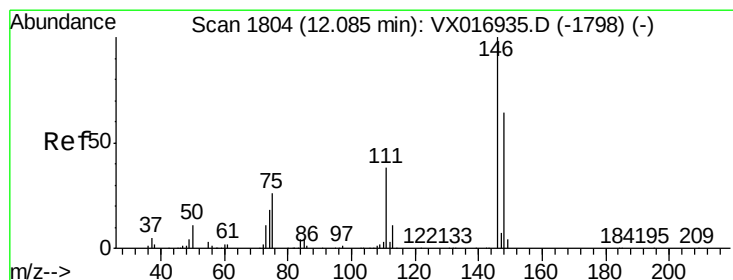
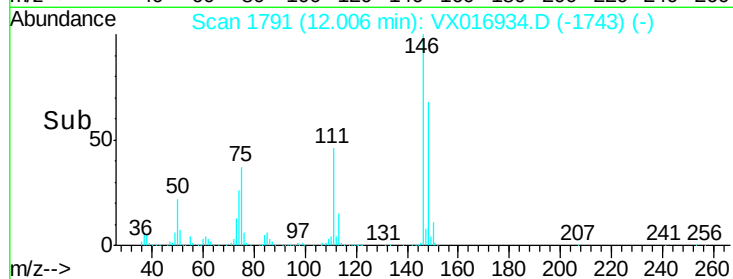
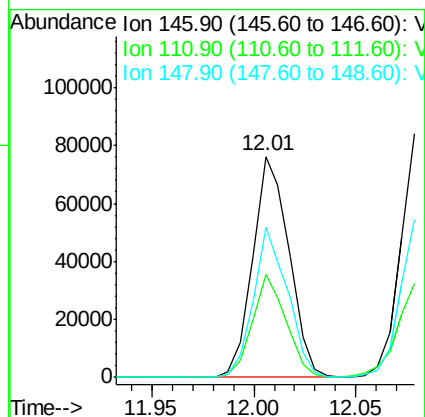
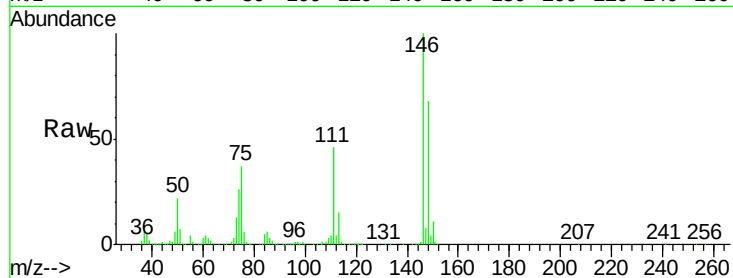
#87
 1,3-Dichlorobenzene
 Concen: 17.830 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.8	62.5
148	64.1	32.3	96.9

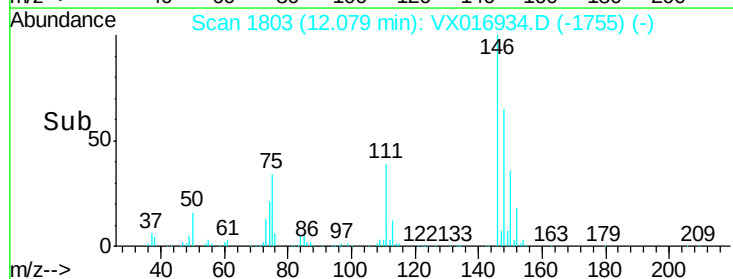
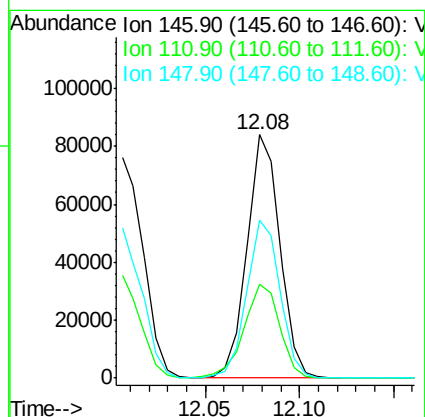
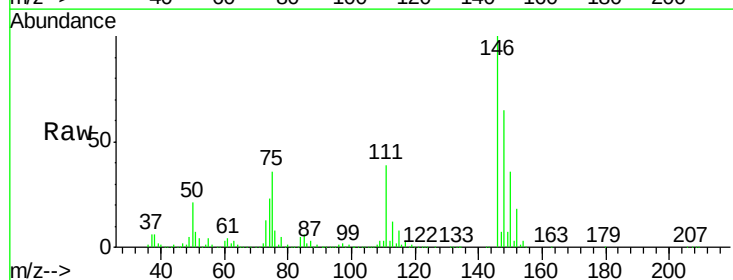
Manual Integrations
 APPROVED

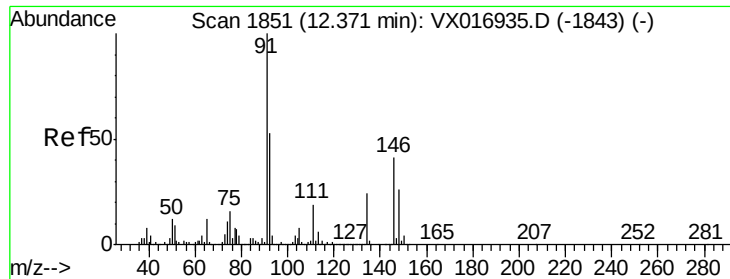
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 6/24/2020 10:54:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.055 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	61.0
148	66.4	31.8	95.3





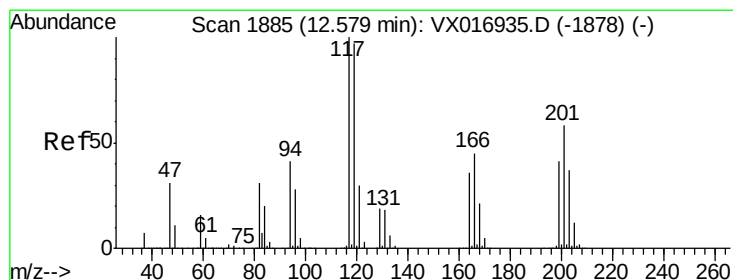
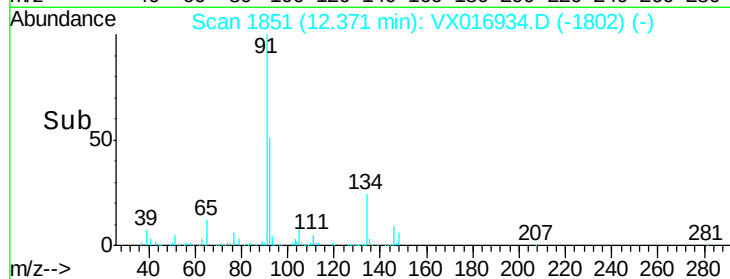
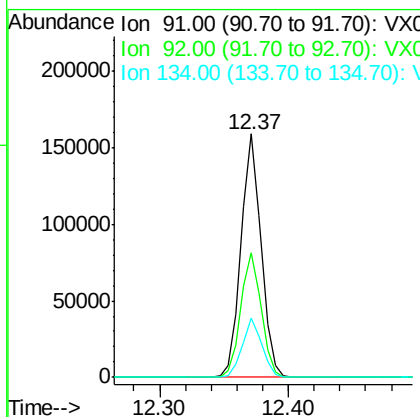
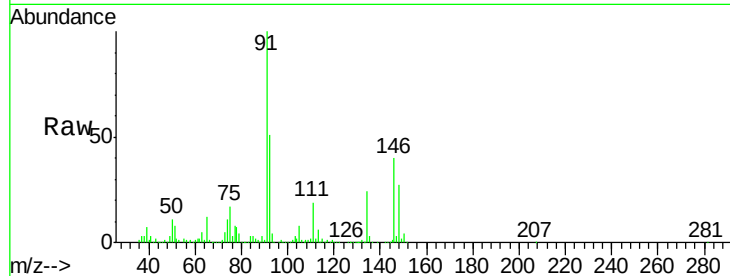
#89
n-Butylbenzene
Concen: 17.658 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.8	80.3
134	23.6	12.3	36.8

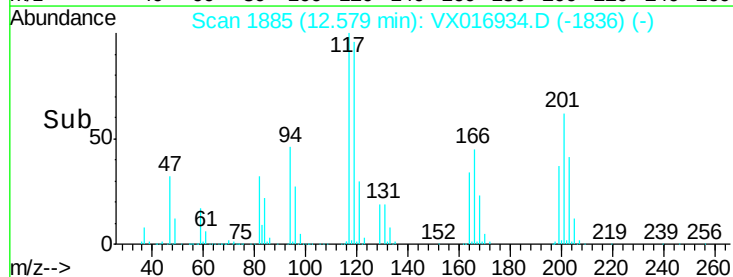
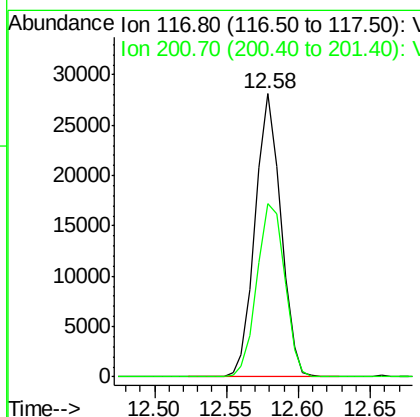
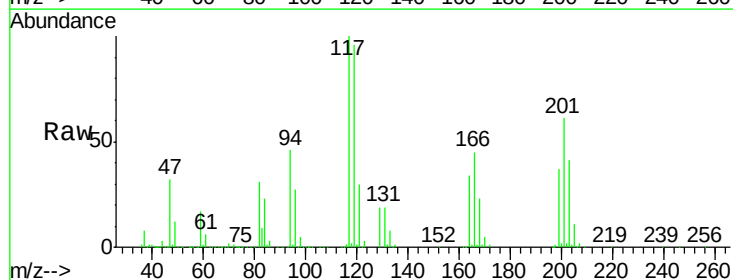
Manual Integrations
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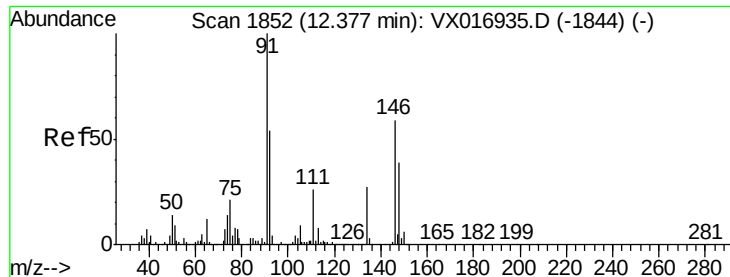
MMDadoda
6/24/2020 10:54:34 AM



#90
Hexachloroethane
Concen: 17.129 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.1	31.1	93.5





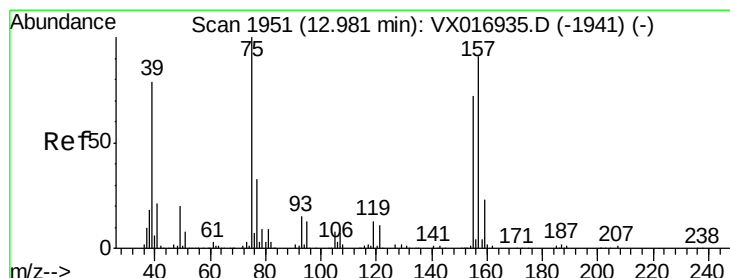
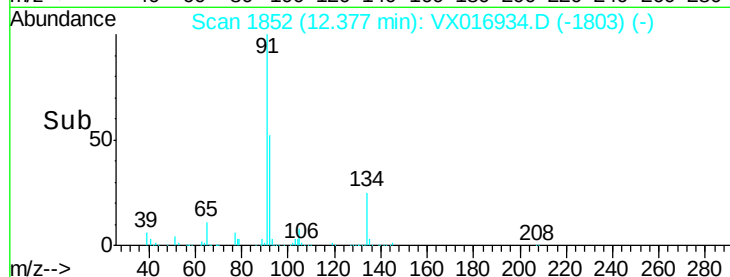
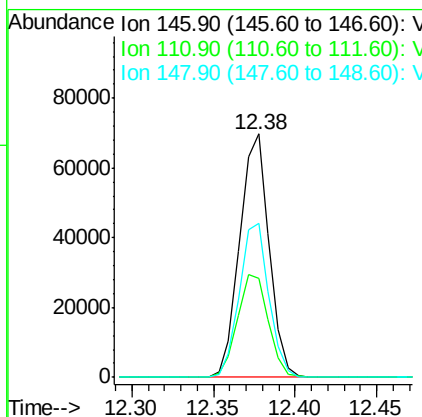
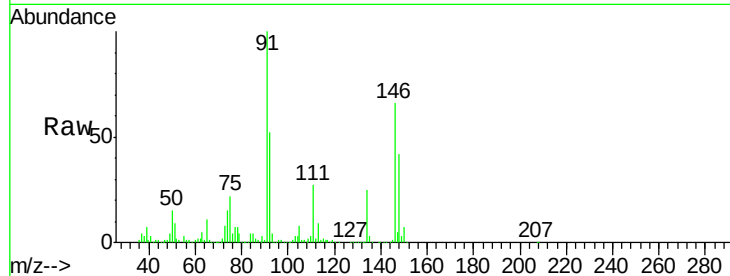
#91
 1,2-Dichlorobenzene
 Concen: 17.216 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	63.5	32.1	96.5

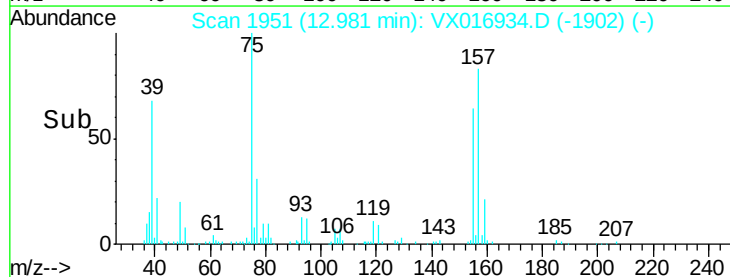
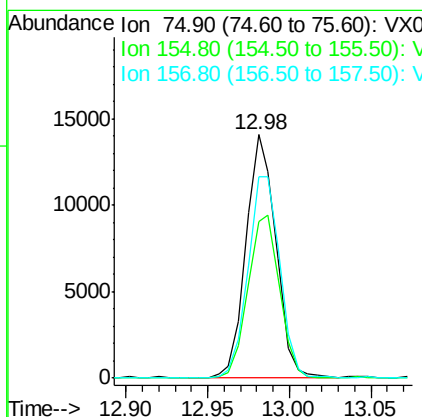
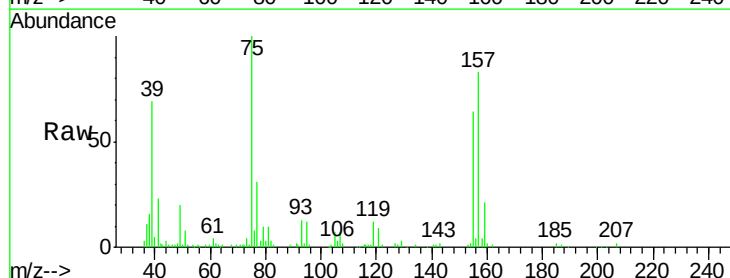
Manual Integrations
 APPROVED

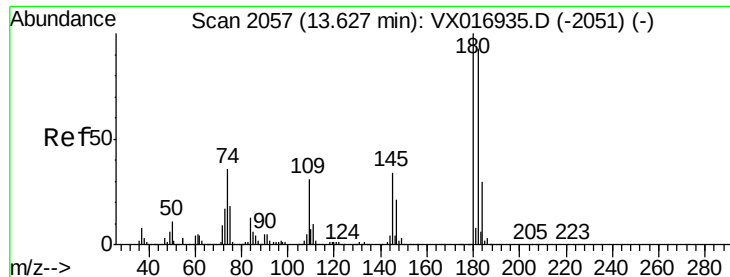
MMDadoda
 6/24/2020 10:54:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.648 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016934.D
 Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	36.1	108.5
157	87.7	46.6	139.8





#93

1,2,4-Trichlorobenzene

Concen: 16.763 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:180 Resp: 55835

Ion Ratio Lower Upper

180 100

182 92.4 47.3 142.0

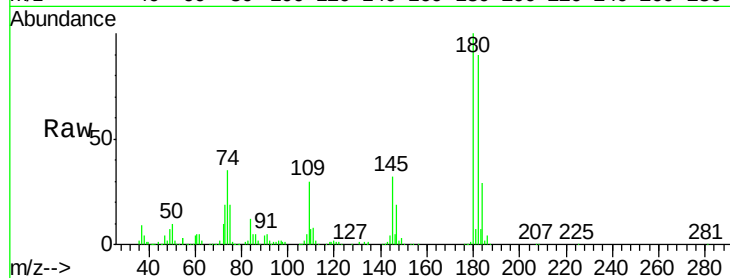
145 32.5 16.4 49.2

Manual Integrations

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MMDadoda

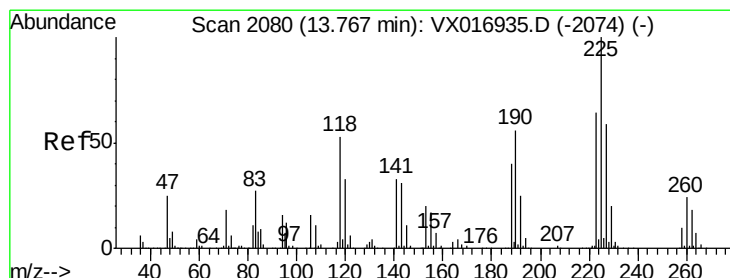
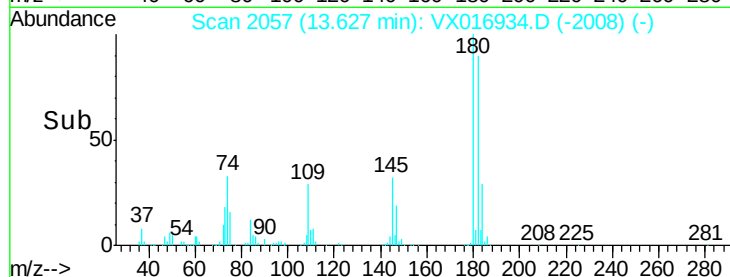
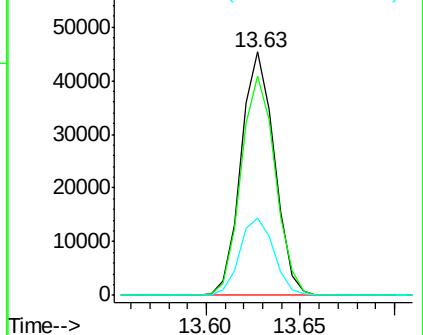
6/24/2020 10:54:34 AM



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.915 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016934.D

Acq: 23 Jun 2020 16:53

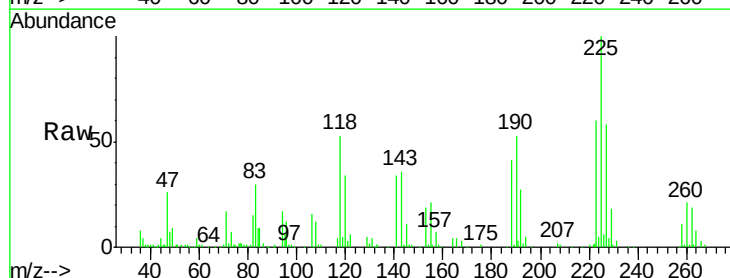
Tgt Ion:225 Resp: 20818

Ion Ratio Lower Upper

225 100

223 63.8 32.5 97.4

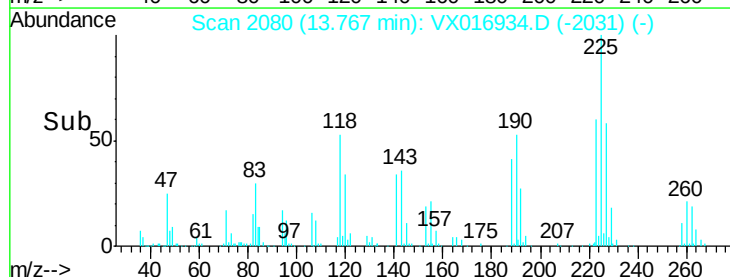
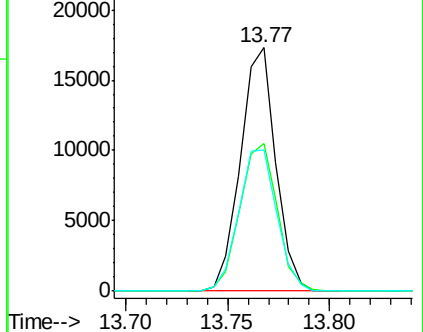
227 63.0 29.3 88.0

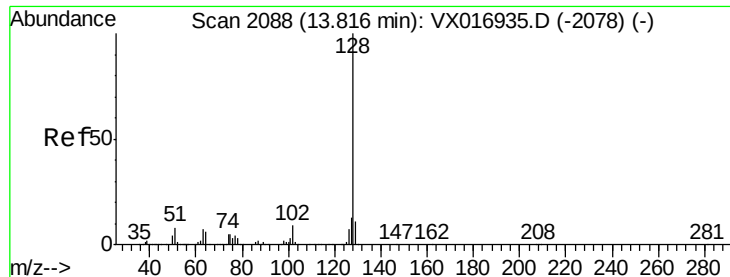


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





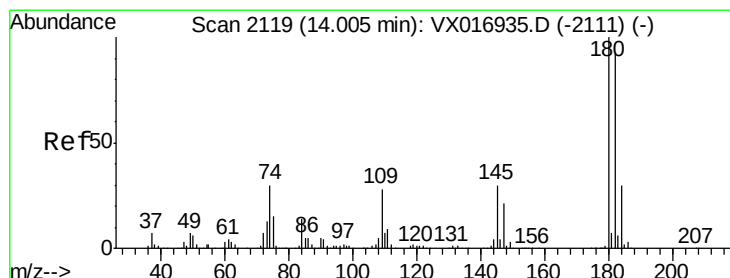
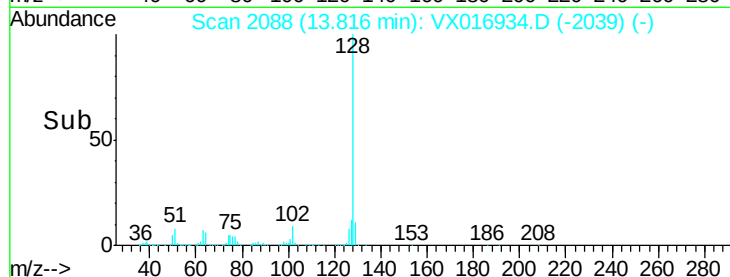
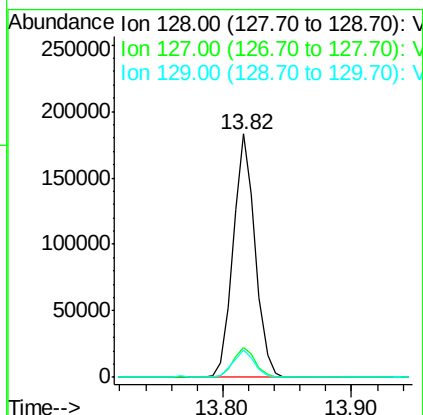
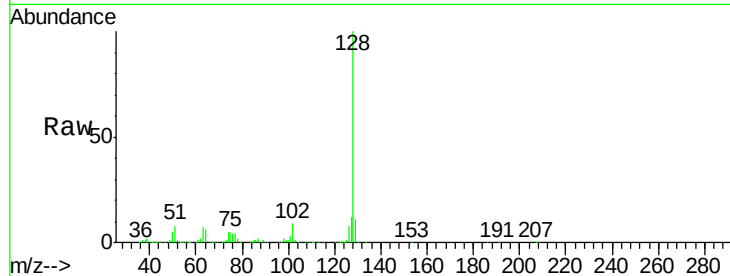
#95
Naphthalene
Concen: 19.229 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	217639		
127	12.5		10.2	15.4
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:54:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.095 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX016934.D
Acq: 23 Jun 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58300		
182	94.4		47.4	142.3
145	34.9		17.1	51.3

