

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016577.D
 Acq On : 04 Jun 2020 11:02
 Operator : JC/SP
 Sample : VX0604WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/5/2020 10:12:00 AM

Quant Time: Jun 05 06:29:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	253967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	378579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	349418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	172559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	142757	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
35) Dibromofluoromethane	5.46	113	114422	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	8.70	98	442259	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.12	95	162448	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	41998	16.804	ug/l	93
3) Chloromethane	1.31	50	47855	15.844	ug/l	99
4) Vinyl Chloride	1.39	62	51208	16.032	ug/l	99
5) Bromomethane	1.62	94	32549	20.958	ug/l	98
6) Chloroethane	1.71	64	31499	16.906	ug/l	99
7) Trichlorofluoromethane	1.92	101	76164	18.157	ug/l	99
8) Diethyl Ether	2.17	74	28494	16.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	42650	18.474	ug/l	99
10) Methyl Iodide	2.49	142	35824	15.250	ug/l	100
11) Tert butyl alcohol	3.01	59	61945	76.592	ug/l	99
12) 1,1-Dichloroethene	2.36	96	42997	17.595	ug/l	99
13) Acrolein	2.27	56	34733	100.956	ug/l	100
14) Allyl chloride	2.70	41	71735	15.962	ug/l	97
15) Acrylonitrile	3.11	53	132887	80.211	ug/l	98
16) Acetone	2.42	43	112021	81.068	ug/l	99
17) Carbon Disulfide	2.55	76	114359	15.759	ug/l	99
18) Methyl Acetate	2.75	43	57124	16.118	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	150734	17.178	ug/l	99
20) Methylene Chloride	2.83	84	47600	16.650	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	46065	17.042	ug/l	93
22) Diisopropyl ether	3.82	45	141790	16.424	ug/l	93
23) Vinyl Acetate	3.78	43	606945	80.318	ug/l	96
24) 1,1-Dichloroethane	3.67	63	82988	17.031	ug/l	99
25) 2-Butanone	4.63	43	181561	77.543	ug/l	99
26) 2,2-Dichloropropane	4.55	77	77484	19.433	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	52839	16.897	ug/l	100
28) Bromochloromethane	4.98	49	36729	16.220	ug/l	91
29) Tetrahydrofuran	5.09	42	116976	77.331	ug/l	94
30) Chloroform	5.17	83	85370	17.387	ug/l	99
31) Cyclohexane	5.55	56	69820	15.927	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	79013	17.775	ug/l	99
36) 1,1-Dichloropropene	5.76	75	62510	17.439	ug/l	97
37) Ethyl Acetate	4.79	43	68917	16.015	ug/l	96
38) Carbon Tetrachloride	5.75	117	70238	18.646	ug/l	97

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	70798	18.185	ug/l	99
40) Benzene	6.11	78	190384	17.836	ug/l	100
41) Methacrylonitrile	5.00	41	37943	16.052	ug/l	98
42) 1,2-Dichloroethane	6.16	62	67754	17.849	ug/l	100
43) Isopropyl Acetate	6.41	43	110427	16.451	ug/l	98
44) Trichloroethene	7.19	130	61379	18.124	ug/l	93
45) 1,2-Dichloropropane	7.49	63	47379	17.435	ug/l	96
46) Dibromomethane	7.63	93	31673	17.353	ug/l	94
47) Bromodichloromethane	7.87	83	68828	18.212	ug/l	99
48) Methyl methacrylate	7.74	41	51174	15.922	ug/l	95
49) 1,4-Dioxane	7.71	88	25057	333.139	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	345778	82.729	ug/l	98
52) Toluene	8.76	92	123668	18.373	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	76168	17.724	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	83019	18.251	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	48409	18.088	ug/l	97
56) Ethyl methacrylate	9.16	69	73842	16.941	ug/l	98
57) 1,3-Dichloropropane	9.35	76	81823	17.812	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	189089	83.114	ug/l	98
59) 2-Hexanone	9.47	43	268010	82.456	ug/l	99
60) Dibromochloromethane	9.57	129	56548	18.776	ug/l	98
61) 1,2-Dibromoethane	9.65	107	50901	17.761	ug/l	99
64) Tetrachloroethene	9.32	164	70601	18.060	ug/l	98
65) Chlorobenzene	10.12	112	129736	18.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	51130	18.803	ug/l	99
67) Ethyl Benzene	10.23	91	225167	17.753	ug/l	98
68) m/p-Xylenes	10.34	106	172979	36.784	ug/l	99
69) o-Xylene	10.68	106	82365	18.085	ug/l	98
70) Styrene	10.70	104	143165	18.289	ug/l	98
71) Bromoform	10.84	173	42440	18.467	ug/l #	100
73) Isopropylbenzene	11.00	105	220734	18.462	ug/l	99
74) N-amyl acetate	10.88	43	88407	16.075	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	54062	18.042	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	69701m	18.377	ug/l	
77) Bromobenzene	11.24	156	58459	18.642	ug/l	95
78) n-propylbenzene	11.34	91	240986	18.041	ug/l	99
79) 2-Chlorotoluene	11.40	91	146288	17.942	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	181859	18.216	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	26283	17.045	ug/l	97
82) 4-Chlorotoluene	11.49	91	173532	18.023	ug/l	99
83) tert-Butylbenzene	11.76	119	159600	18.710	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	189618	18.781	ug/l	99
85) sec-Butylbenzene	11.93	105	202208	18.896	ug/l	100
86) p-Isopropyltoluene	12.05	119	187372	18.692	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	98360	18.104	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	100244	18.041	ug/l	97
89) n-Butylbenzene	12.37	91	153436	18.377	ug/l	98
90) Hexachloroethane	12.58	117	31725	18.323	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	95652	18.172	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	16494	16.994	ug/l	99

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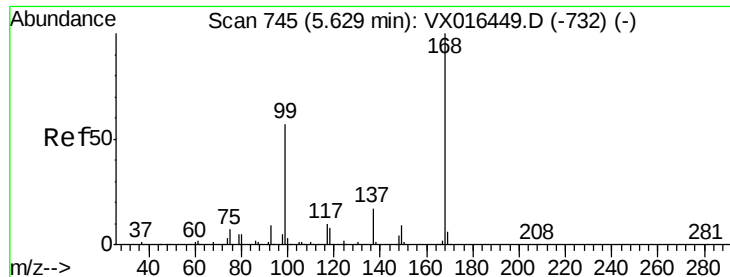
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	65629	18.774	ug/l	98
94) Hexachlorobutadiene	13.77	225	30694	22.363	ug/l	96
95) Naphthalene	13.82	128	212878	17.764	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	65149	19.023	ug/l	99

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



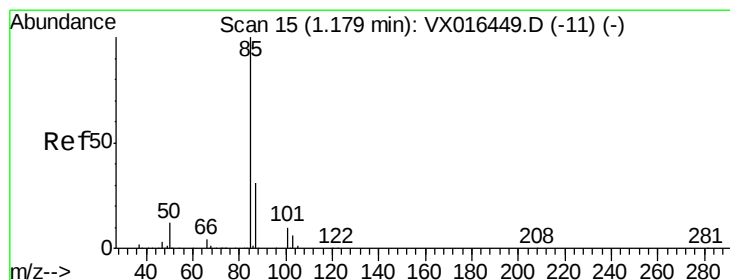
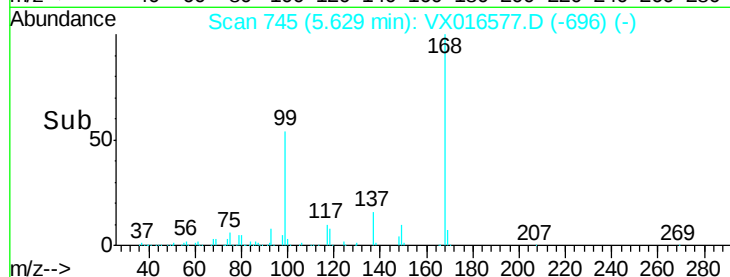
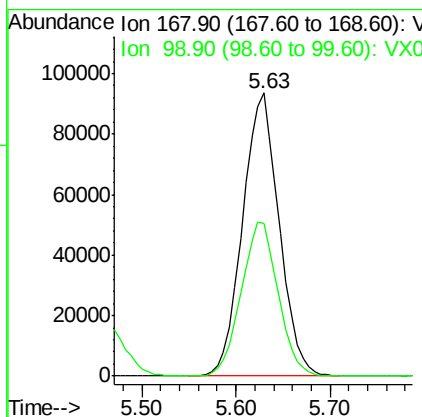
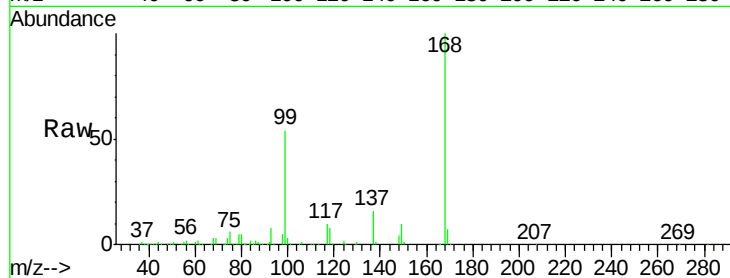
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion:168 Resp: 253967
Ion Ratio Lower Upper
168 100
99 54.0 45.2 67.8

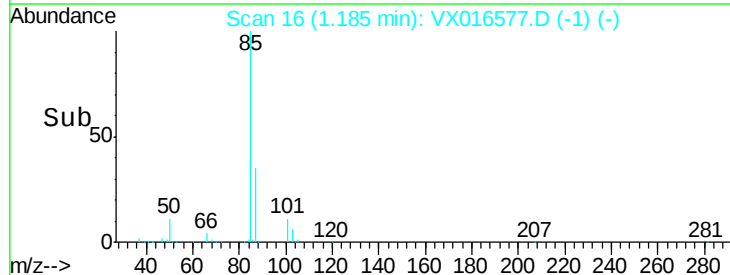
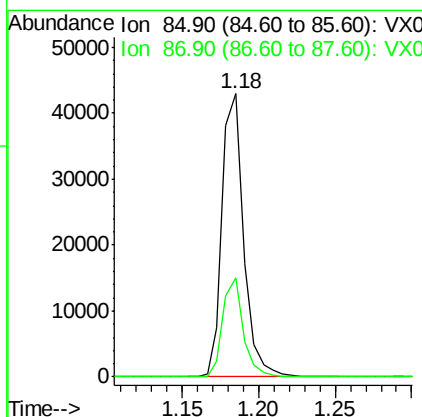
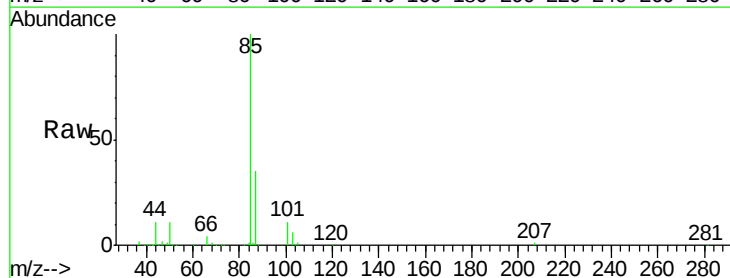
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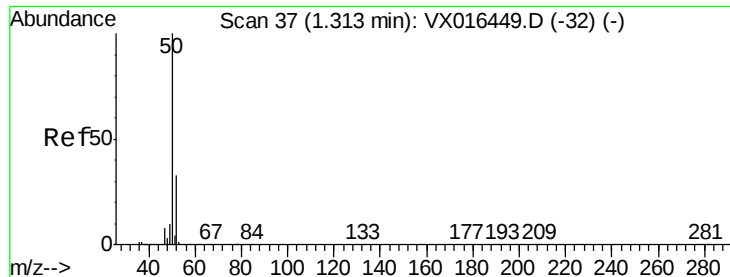
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#2
Dichlorodifluoromethane
Concen: 16.804 ug/l
RT: 1.18 min Scan# 16
Delta R.T. 0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion: 85 Resp: 41998
Ion Ratio Lower Upper
85 100
87 34.9 15.4 46.2





#3

Chloromethane

Concen: 15.844 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 50 Resp: 47855

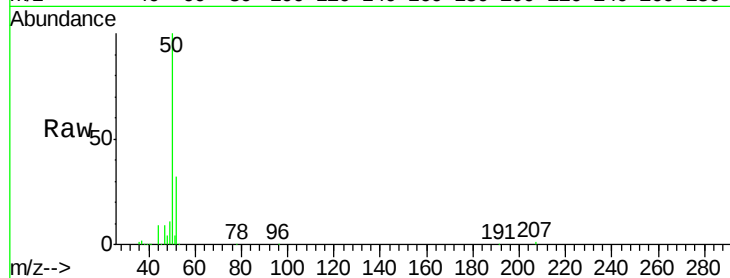
Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2

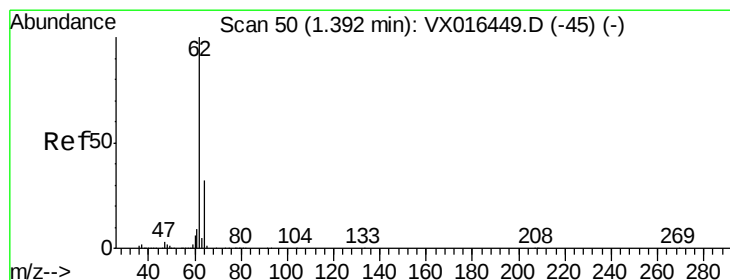
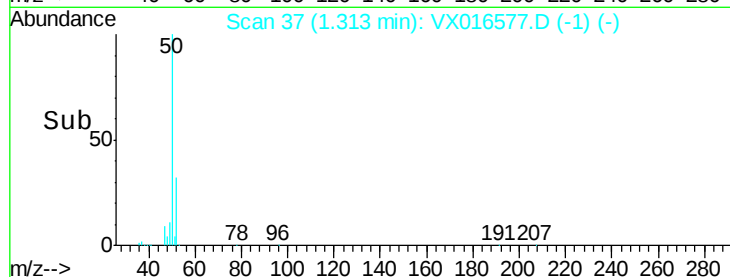
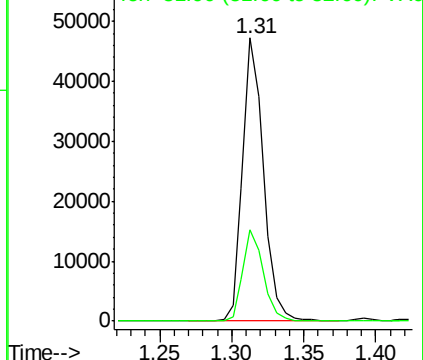
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.032 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016577.D

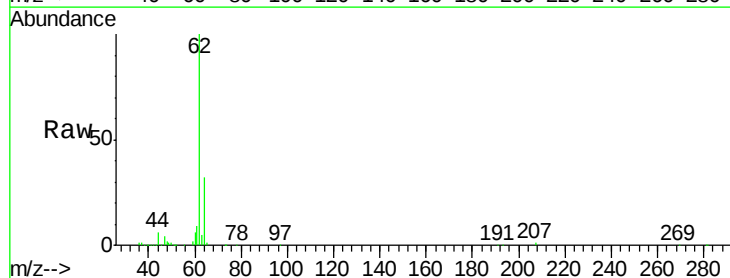
Acq: 04 Jun 2020 11:02

Tgt Ion: 62 Resp: 51208

Ion Ratio Lower Upper

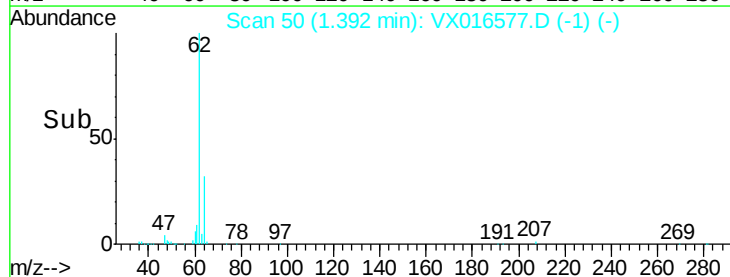
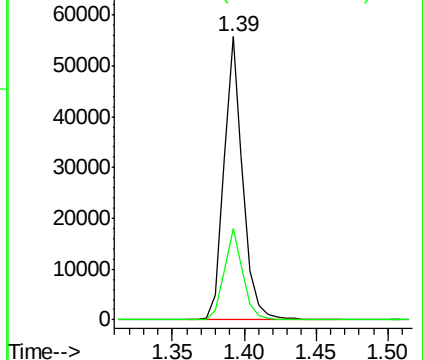
62 100

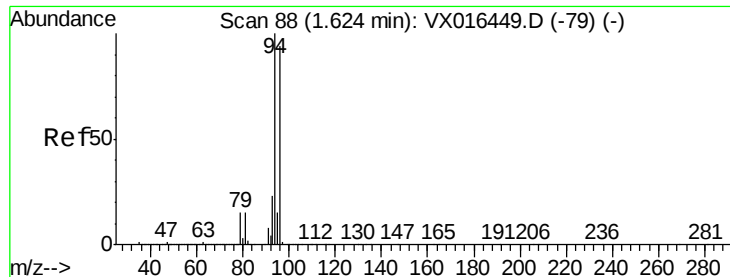
64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.958 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 94 Resp: 32549

Ion Ratio Lower Upper

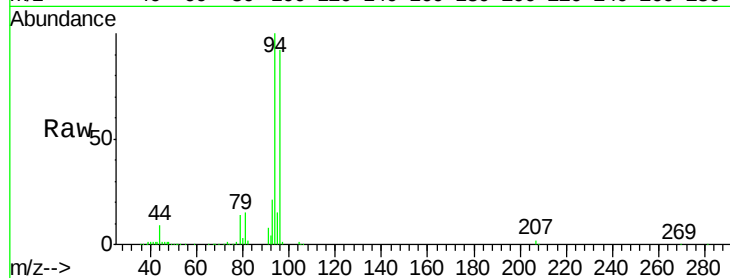
94 100

96 92.1 75.1 112.7

Manual Integrations
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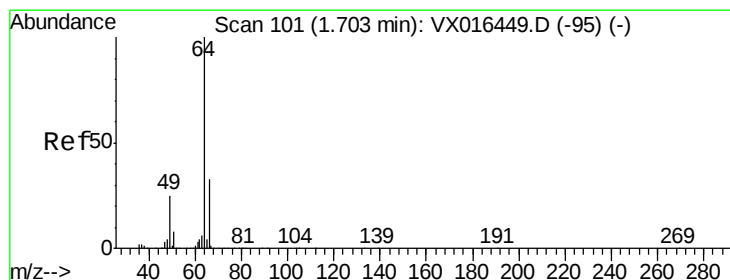
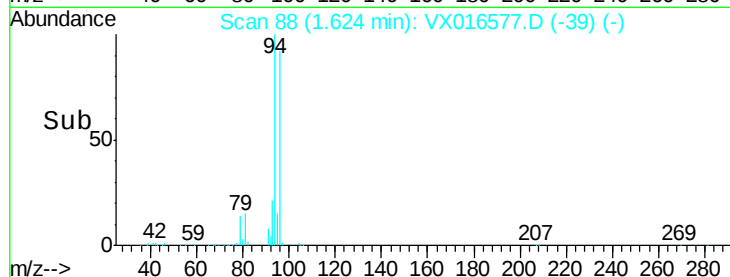
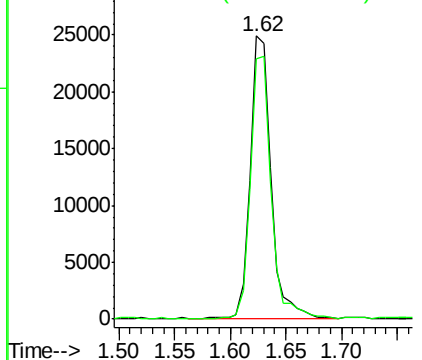
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.906 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016577.D

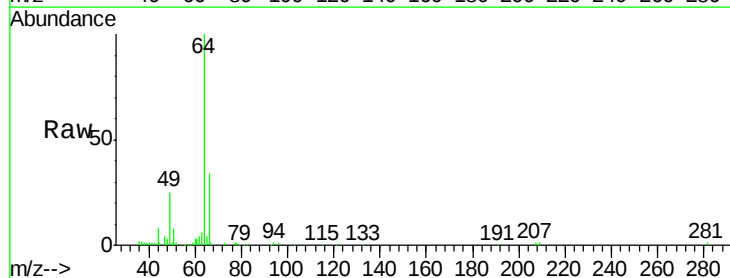
Acq: 04 Jun 2020 11:02

Tgt Ion: 64 Resp: 31499

Ion Ratio Lower Upper

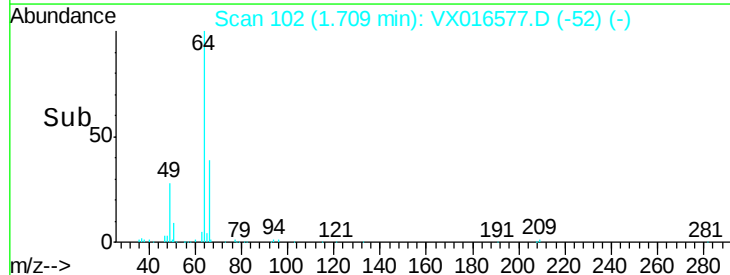
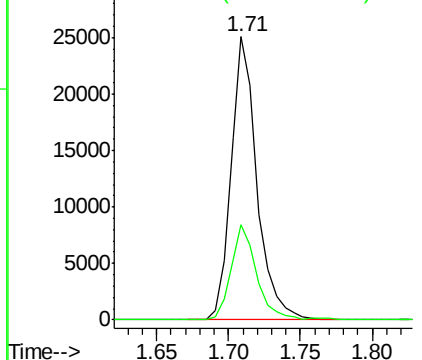
64 100

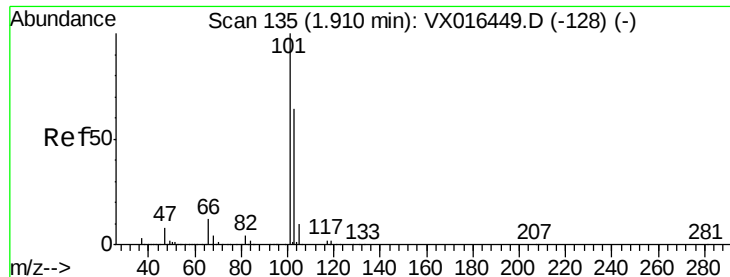
66 33.9 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

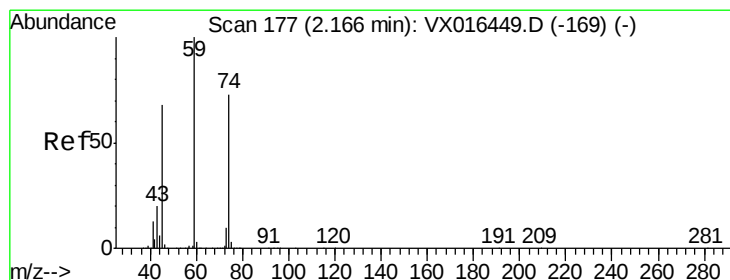
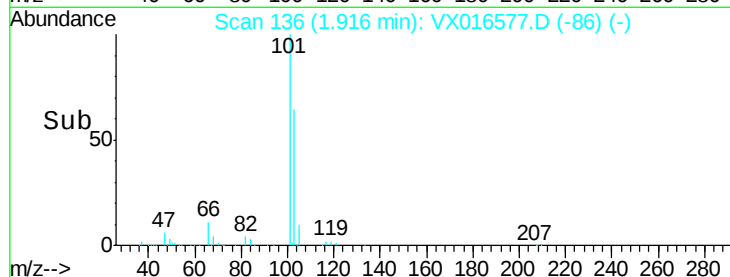
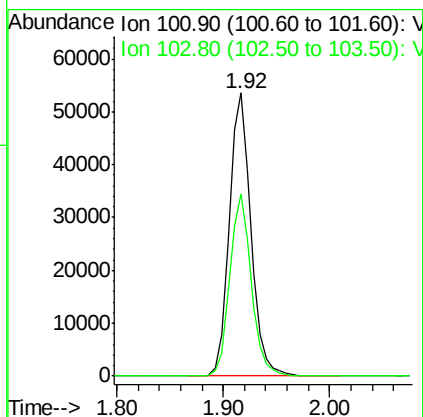
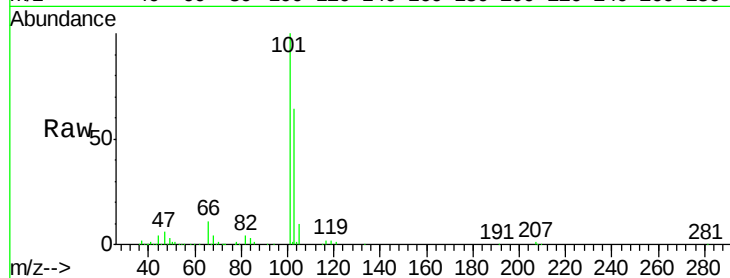
Trichlorofluoromethane
Concen: 18.157 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

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MSVOA_X
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VX0604WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.9	76.3

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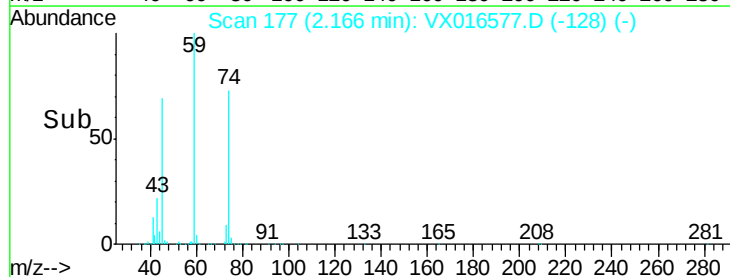
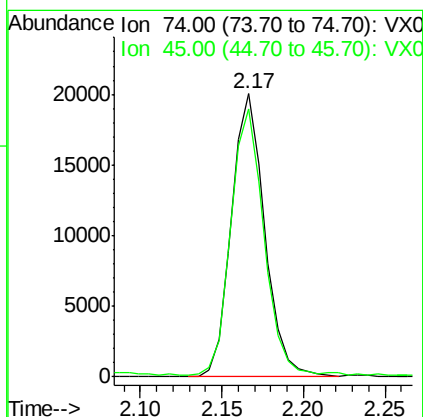
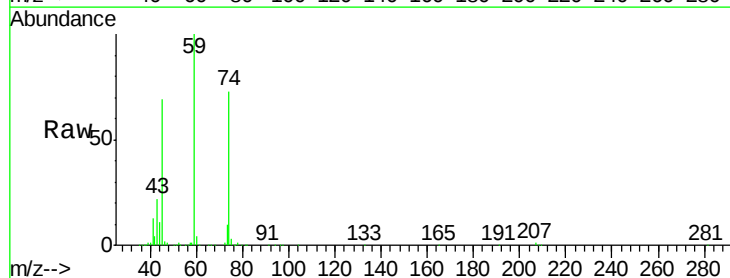
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6/5/2020 10:12:00 AM



#8

Diethyl Ether
Concen: 16.290 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.474 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

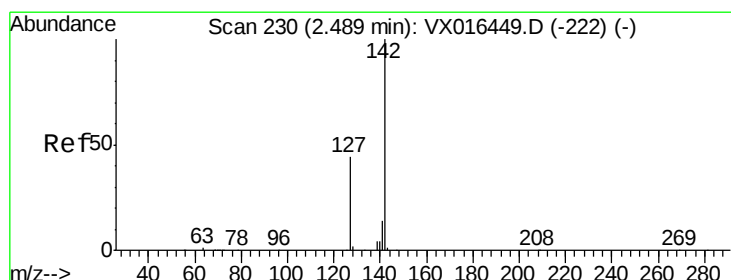
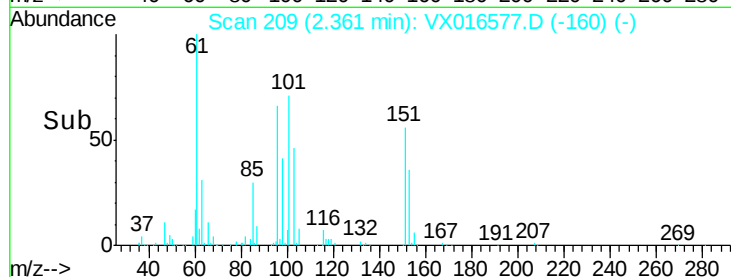
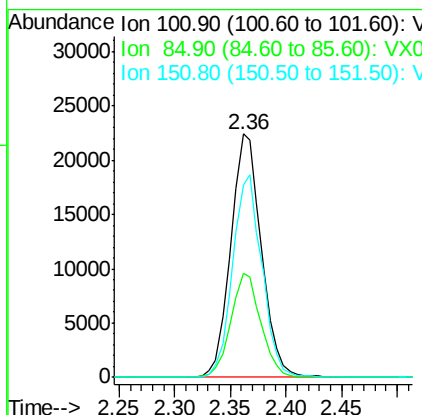
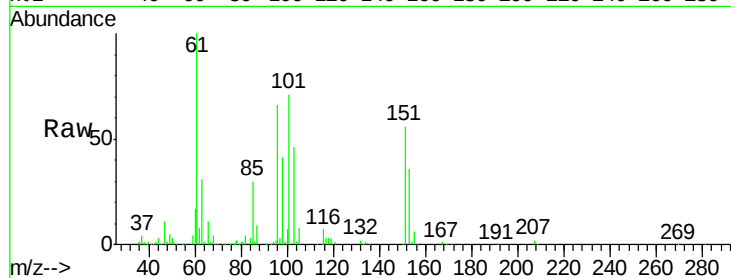
ClientSampleId :

VX0604WBS01

Tot Ion:	101	Resp:	42650
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.4	51.6
151	79.9	63.8	95.6

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#10

Methyl Iodide

Concen: 15.250 ug/l

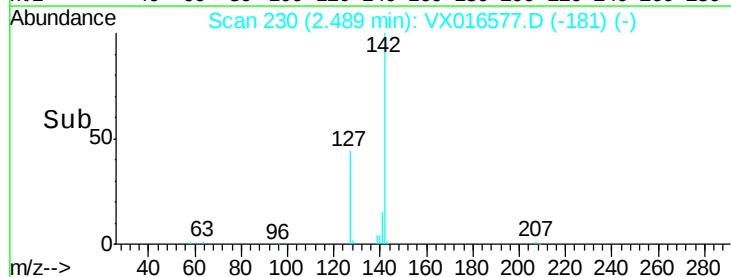
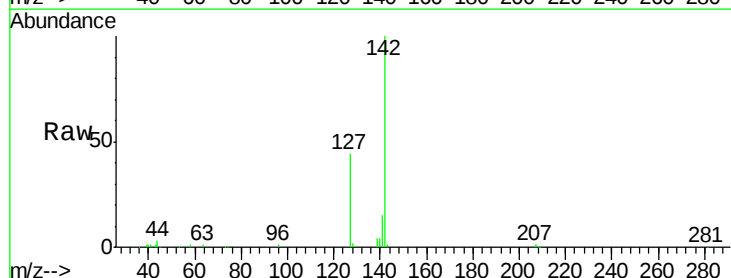
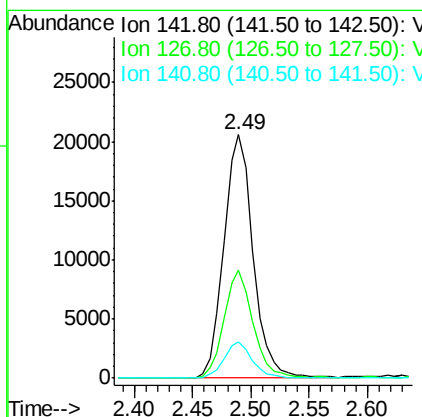
RT: 2.49 min Scan# 230

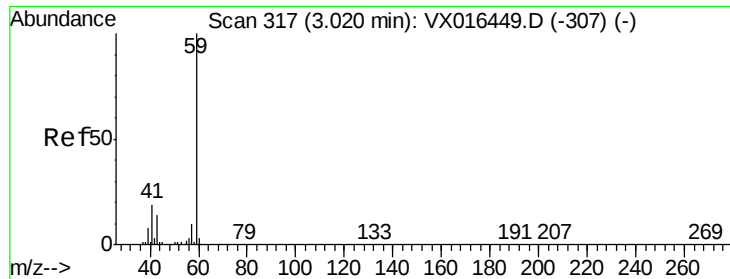
Delta R.T. 0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Tgt Ion:	142	Resp:	35824
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.3	52.9
141	14.4	11.4	17.2





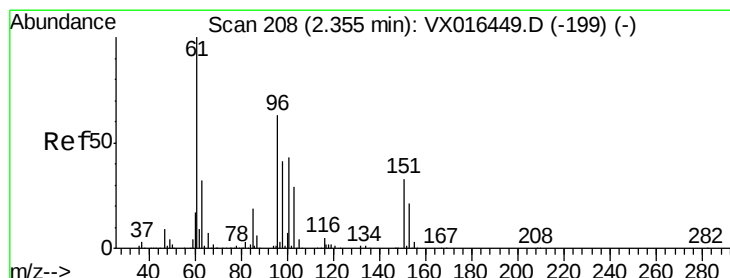
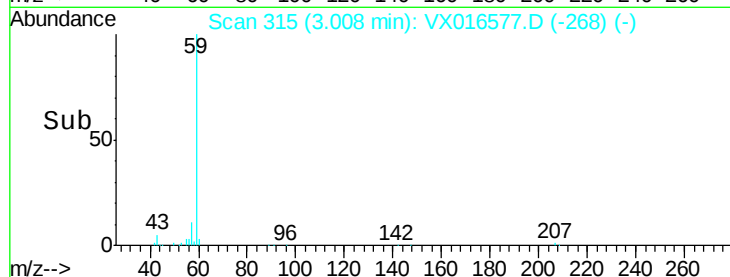
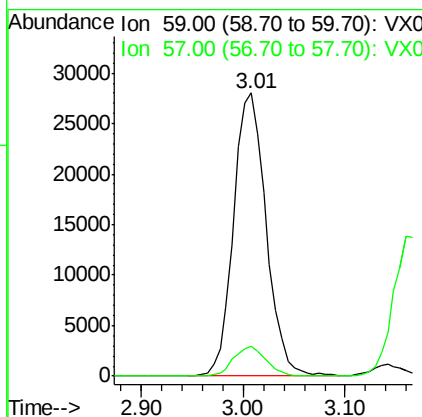
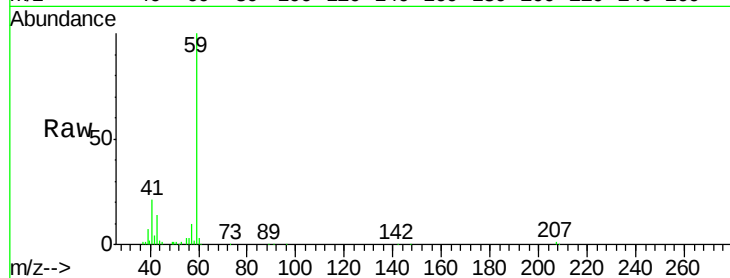
#11
Tert butyl alcohol
Concen: 76.592 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion	59	Resp	61945
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.4

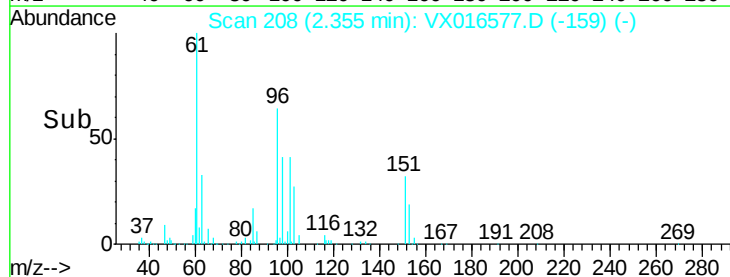
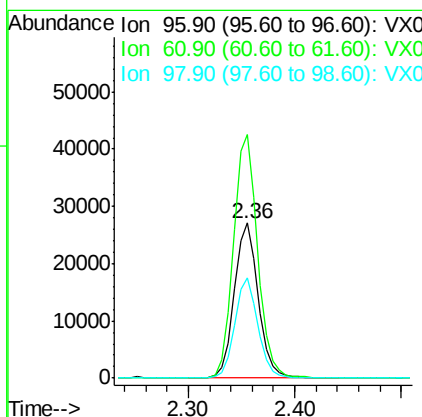
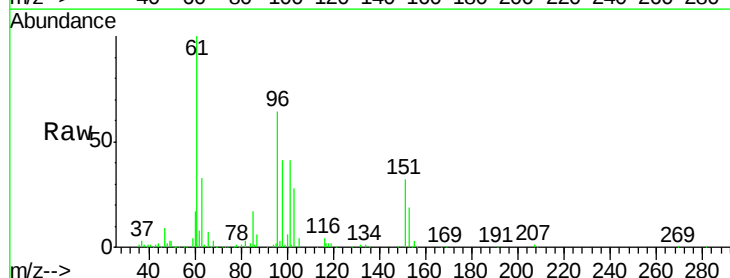
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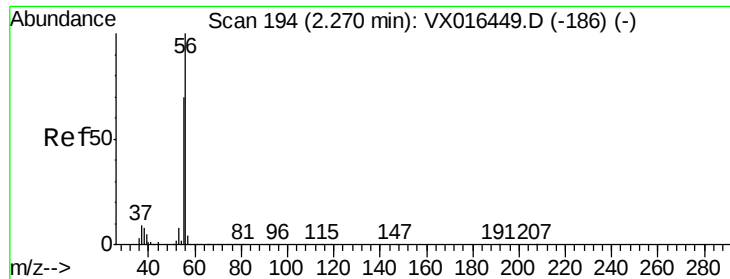
MMDadoda
6/5/2020 10:12:00 AM



#12
1,1-Dichloroethene
Concen: 17.595 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	96	Resp	42997
Ion Ratio	100	Lower	Upper
61	156.8	126.6	189.8
98	64.5	51.3	76.9





#13

Acrolein

Concen: 100.956 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 56 Resp: 34733

Ion Ratio Lower Upper

56 100

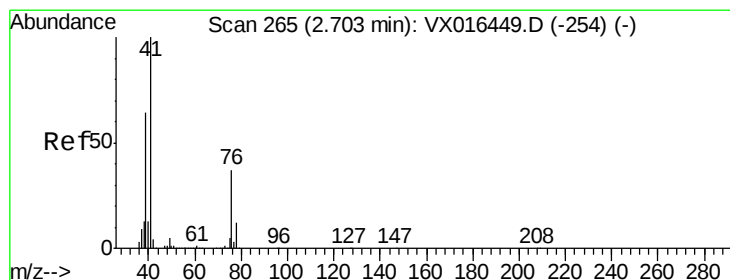
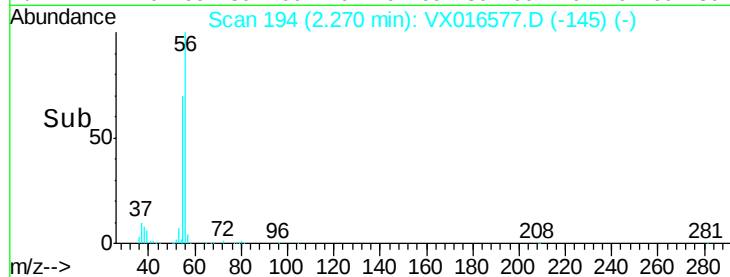
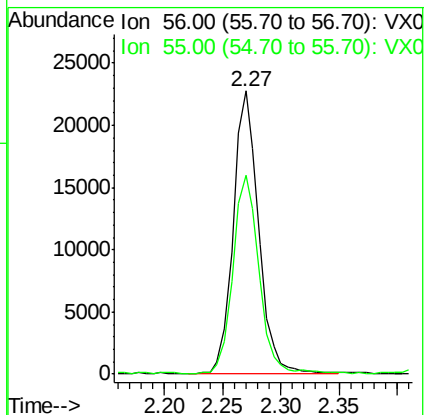
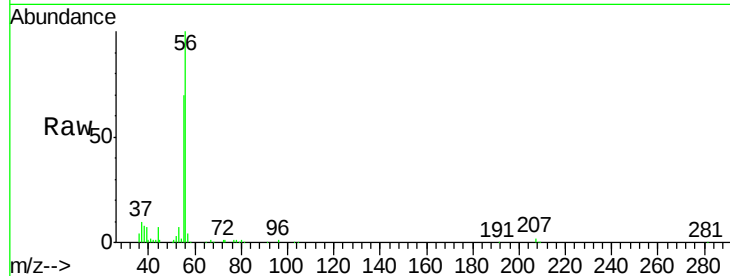
55 73.1 58.3 87.5

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#14

Allyl chloride

Concen: 15.962 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

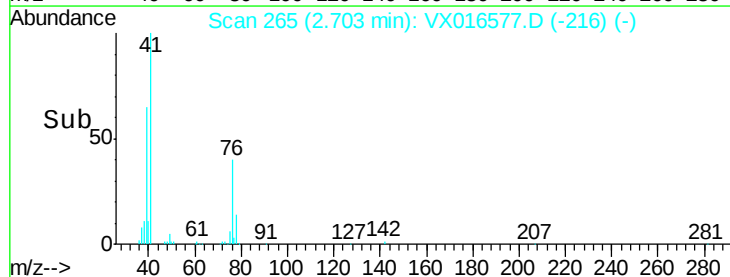
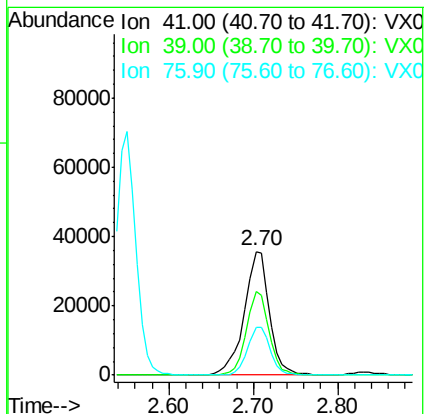
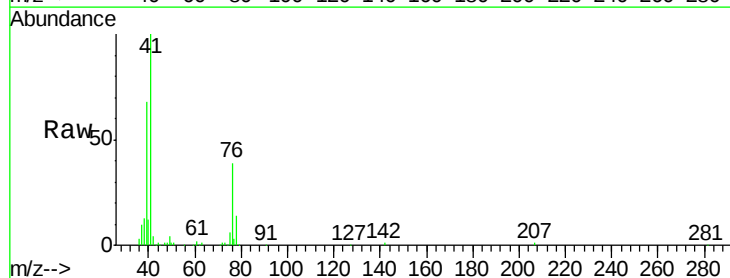
Tgt Ion: 41 Resp: 71735

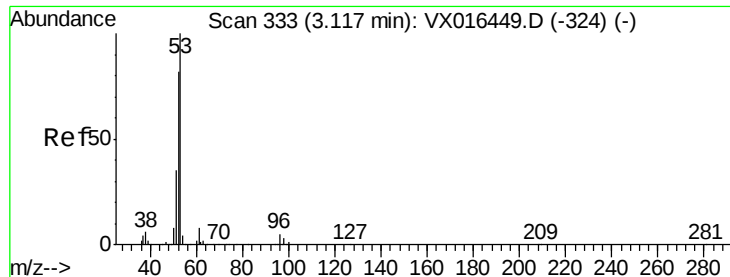
Ion Ratio Lower Upper

41 100

39 61.3 47.7 71.5

76 35.1 26.6 40.0





#15

Acrylonitrile

Concen: 80.211 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

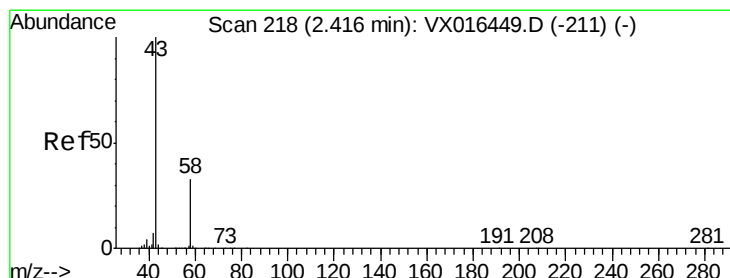
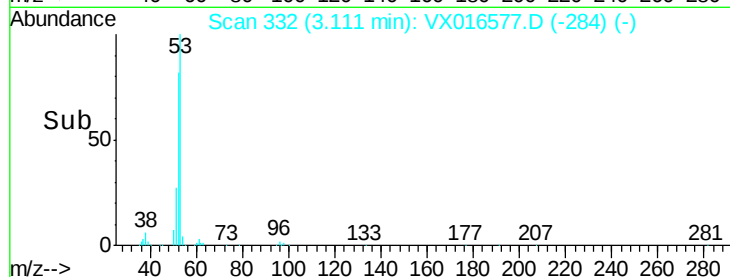
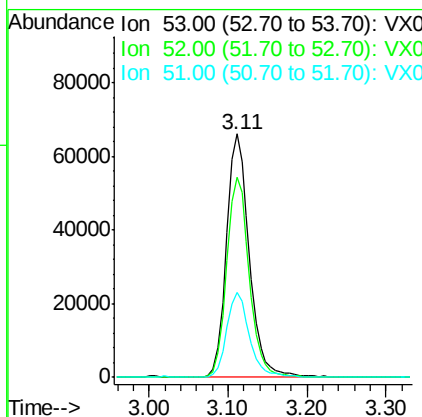
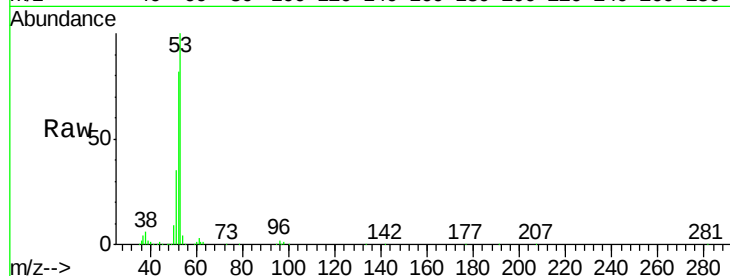
ClientSampled :

VX0604WBS01

Tot Ion:	53	Resp:	132887
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.7	100.1
51	35.2	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 81.068 ug/l

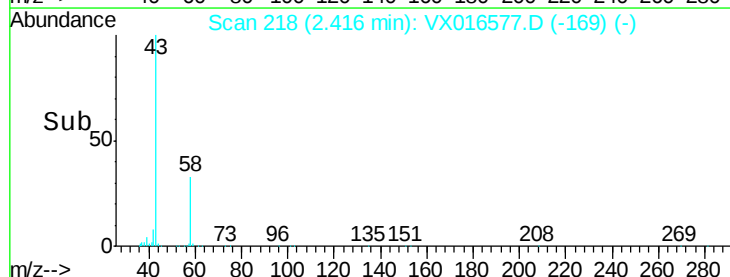
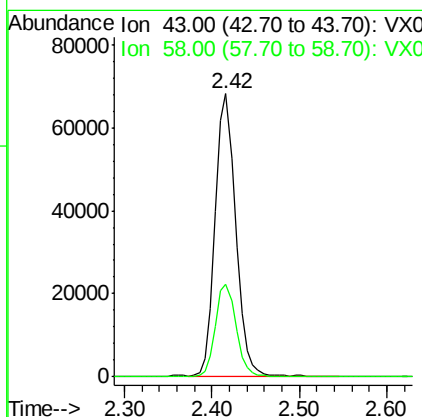
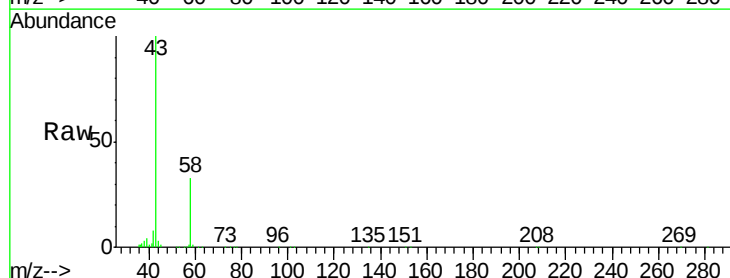
RT: 2.42 min Scan# 218

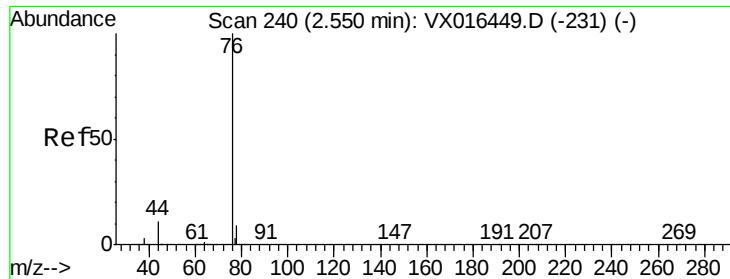
Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Tgt Ion:	43	Resp:	112021
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.1	39.1





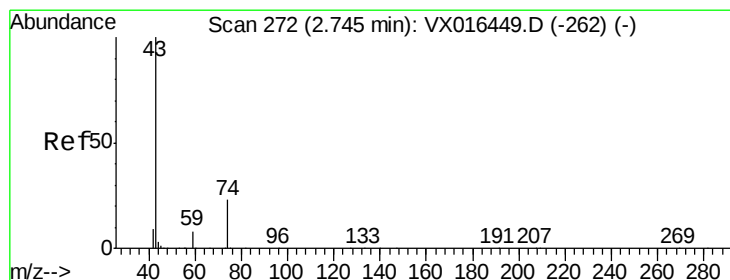
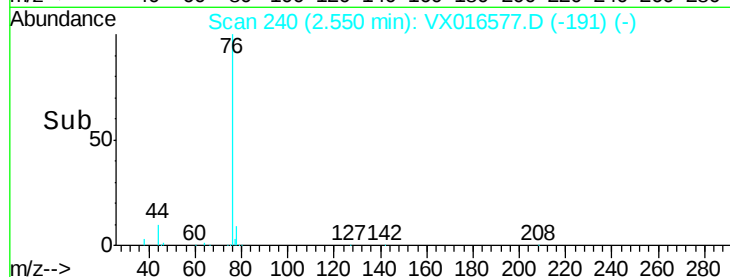
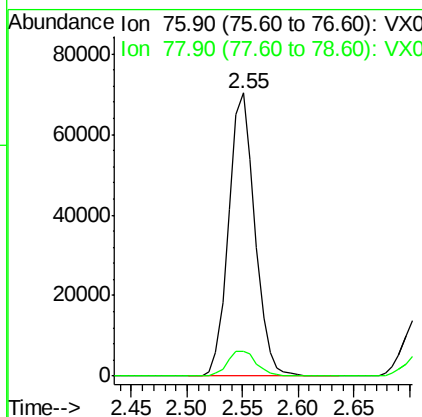
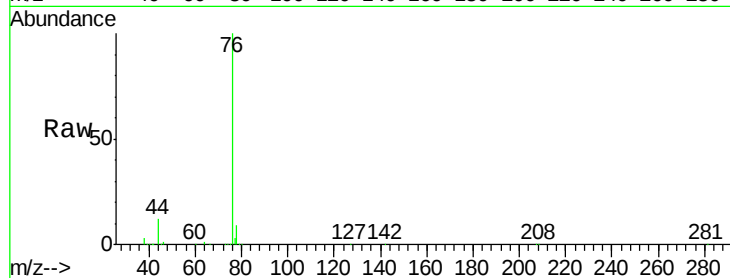
#17
Carbon Disulfide
Concen: 15.759 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

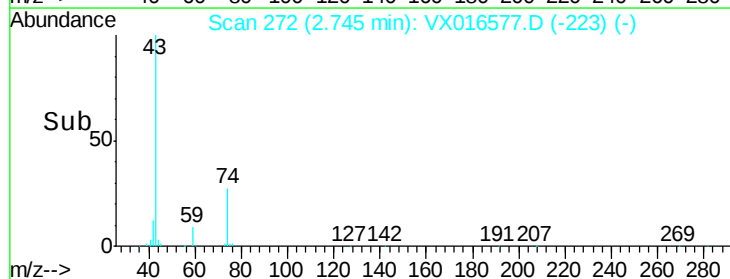
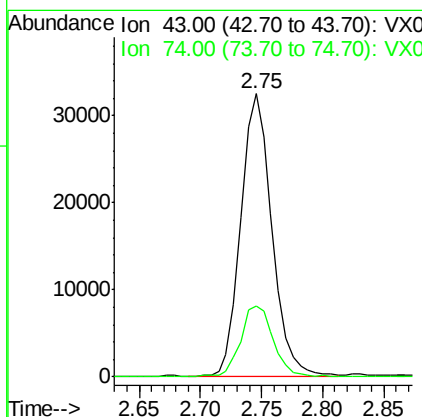
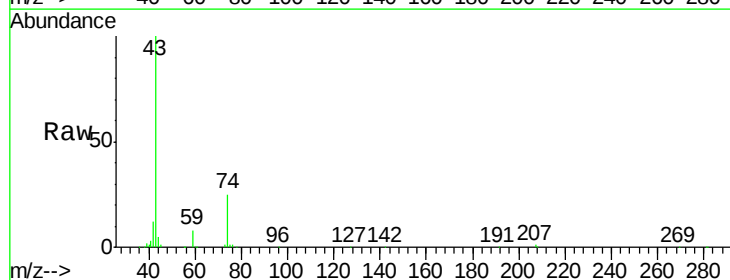
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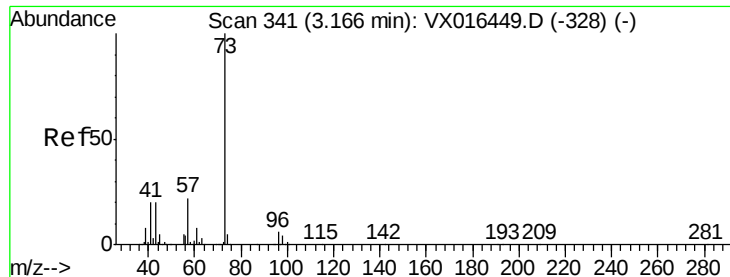
MMDadoda
6/5/2020 10:12:00 AM



#18
Methyl Acetate
Concen: 16.118 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	19.7	29.5





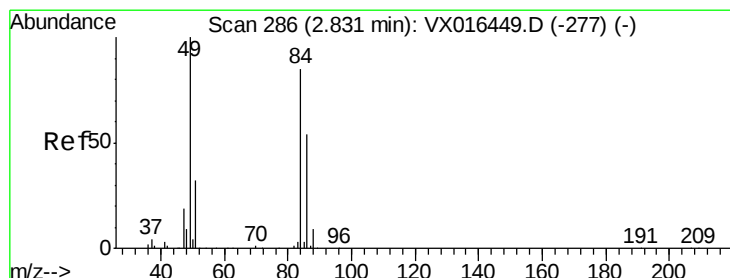
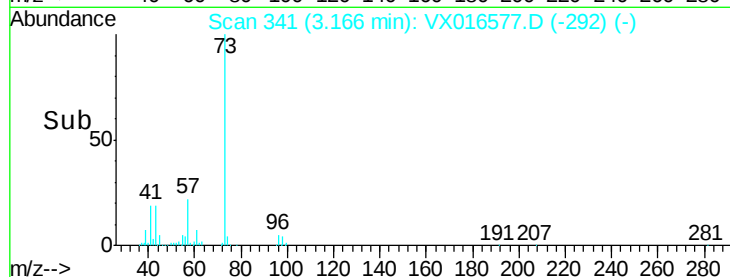
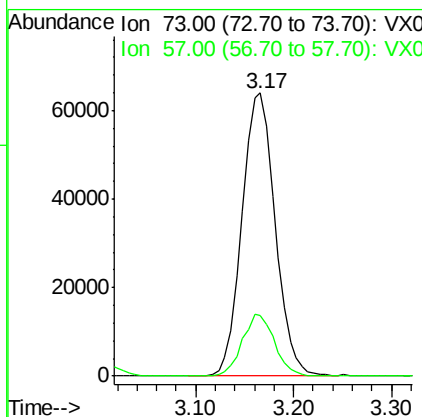
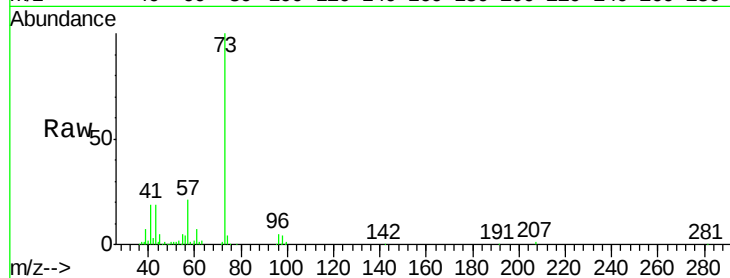
#19
Methyl tert-butyl Ether
Concen: 17.178 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.8	26.6

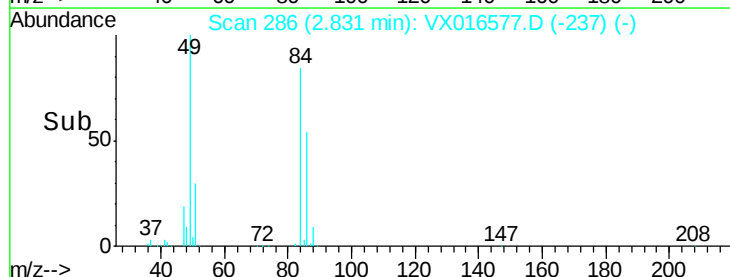
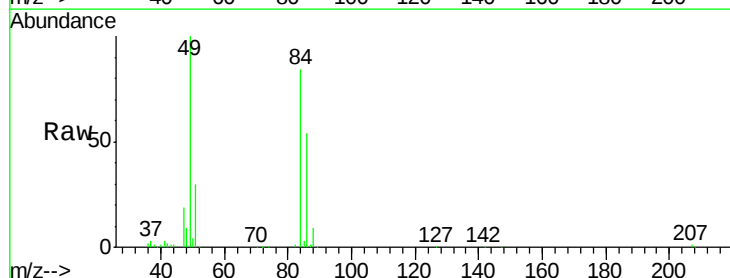
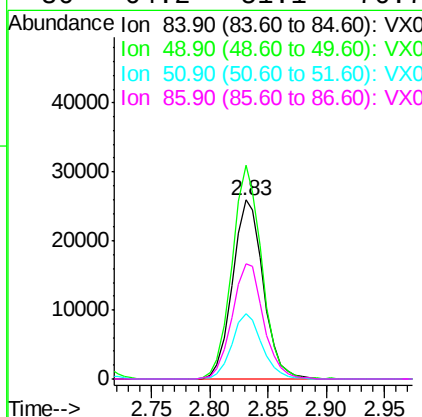
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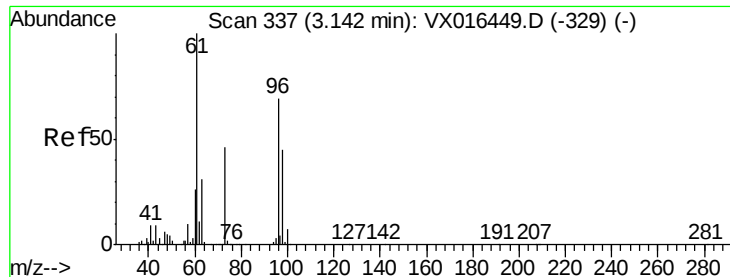
MMDadoda
6/5/2020 10:12:00 AM



#20
Methylene Chloride
Concen: 16.650 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	94.5	141.7
51	36.3	30.2	45.4
86	64.2	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 17.042 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

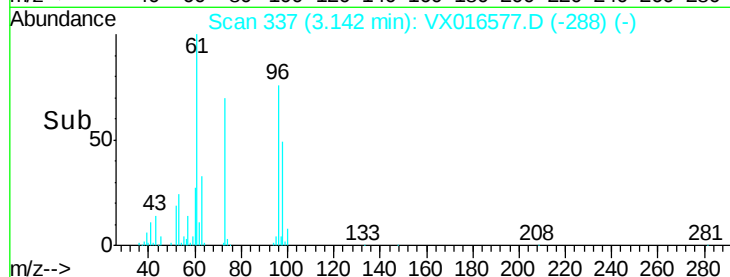
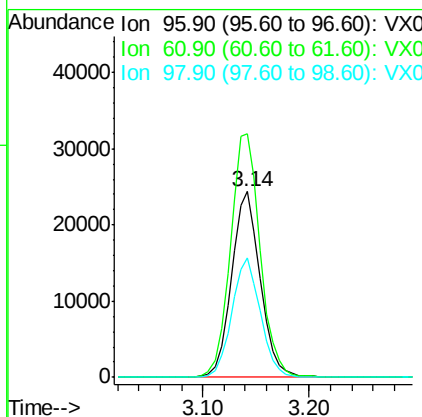
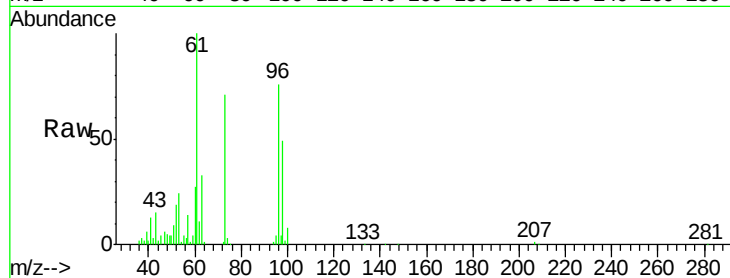
ClientSampleId :

VX0604WBS01

Tot Ion:	96	Resp:	46065
Ion	Ratio	Lower	Upper
96	100		
61	131.3	115.3	172.9
98	64.4	51.9	77.9

Manual Integrations
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6/5/2020 10:12:00 AM



#22

Diisopropyl ether

Concen: 16.424 ug/l

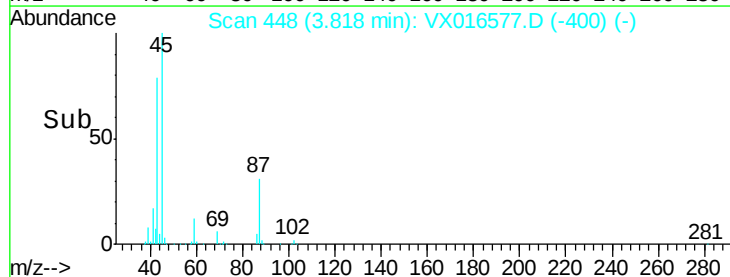
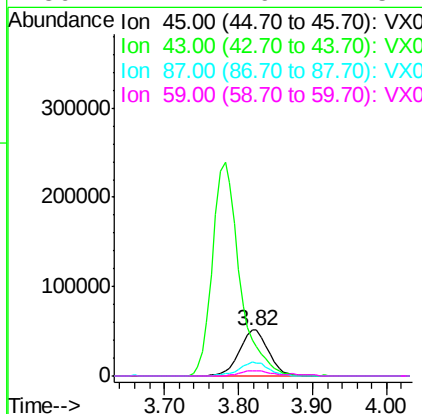
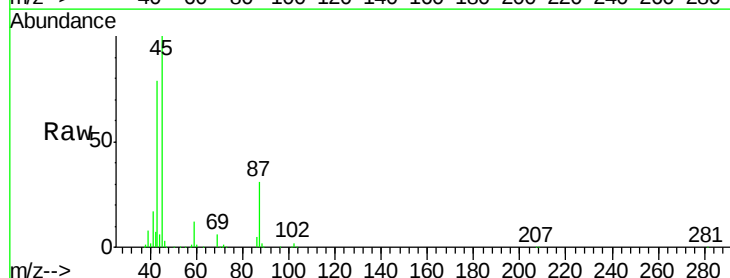
RT: 3.82 min Scan# 448

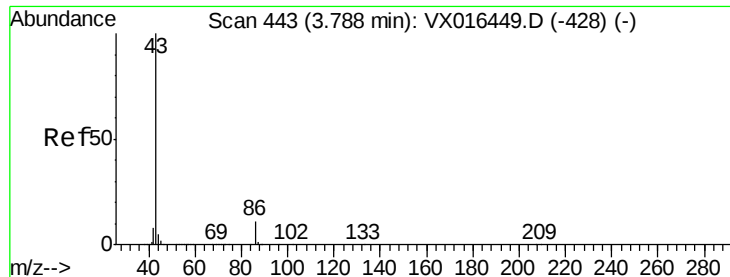
Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Tgt Ion:	45	Resp:	141790
Ion	Ratio	Lower	Upper
45	100		
43	78.1	57.0	85.6
87	30.7	22.5	33.7
59	12.2	9.1	13.7





#23

Vinyl Acetate

Concen: 80.318 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 43 Resp: 606945

Ion Ratio Lower Upper

43 100

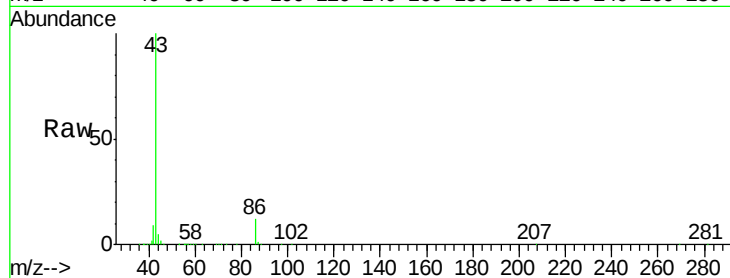
86 12.5 8.6 13.0

Manual Integrations

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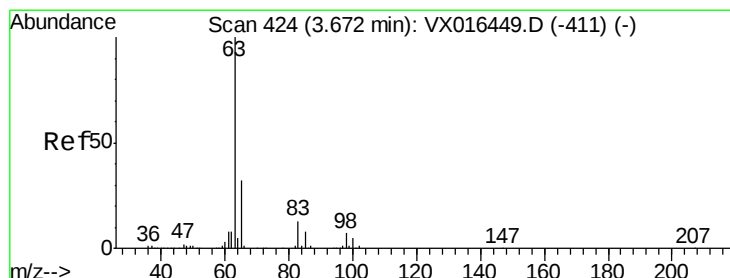
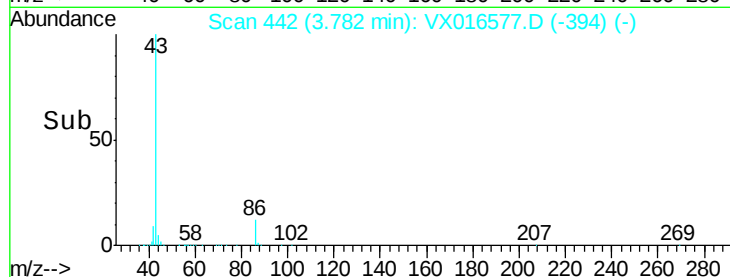
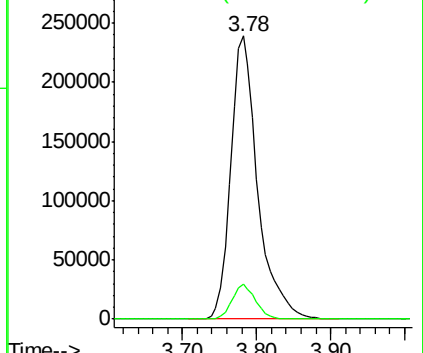
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.031 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

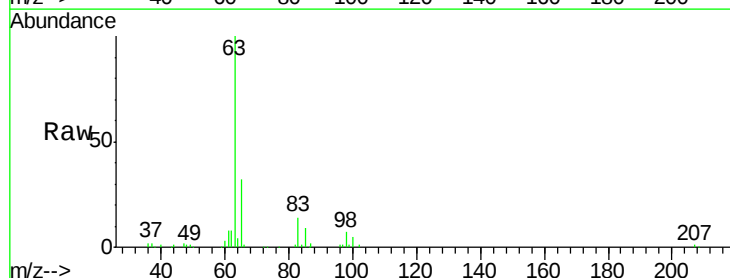
Tgt Ion: 63 Resp: 82988

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

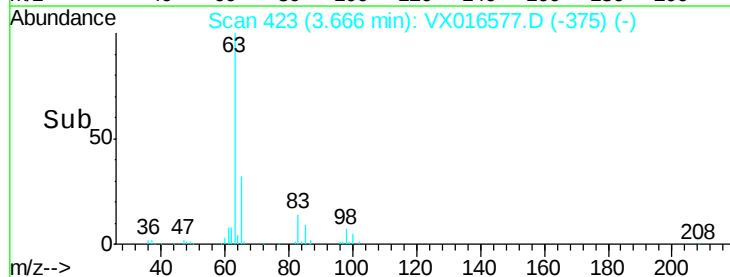
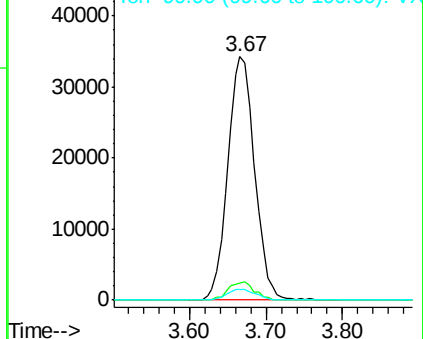
100 4.6 2.4 7.1

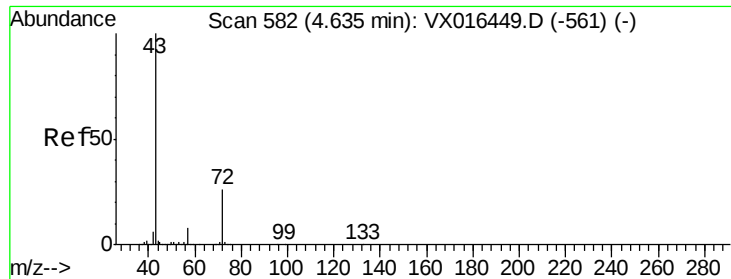


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 77.543 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 43 Resp: 181561

Ion Ratio Lower Upper

43 100

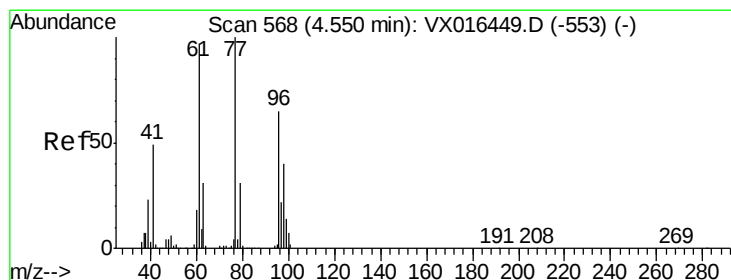
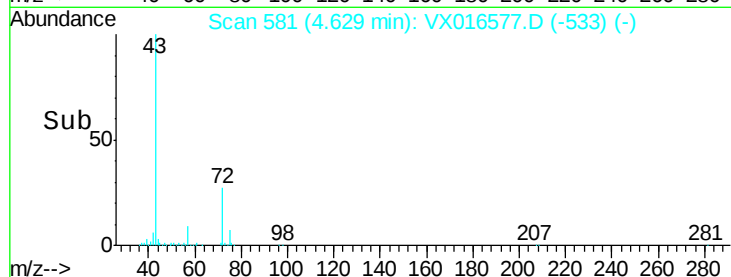
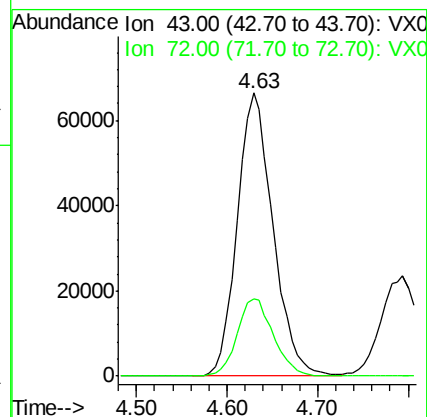
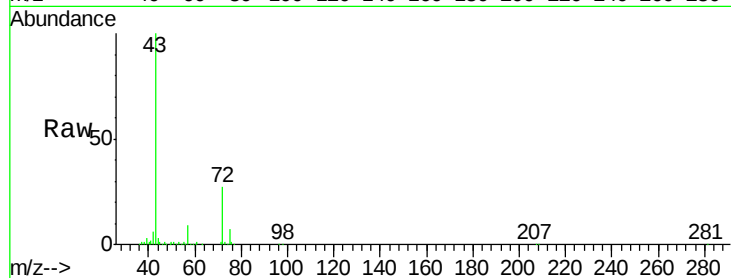
72 27.0 21.0 31.6

Manual Integrations

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6/5/2020 10:12:00 AM



#26

2,2-Dichloropropane

Concen: 19.433 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016577.D

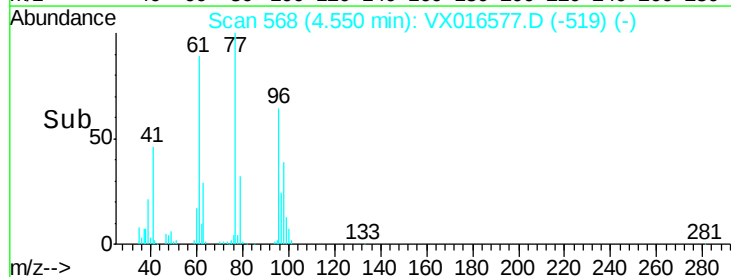
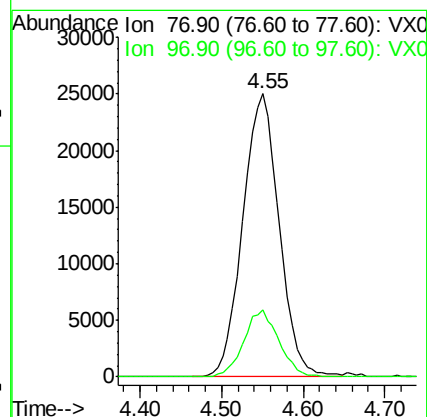
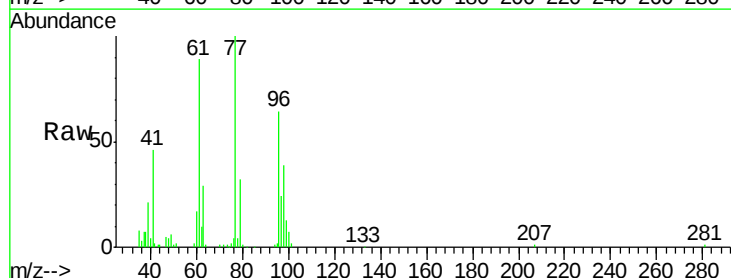
Acq: 04 Jun 2020 11:02

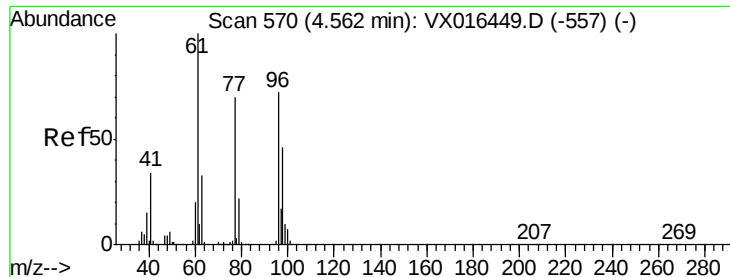
Tgt Ion: 77 Resp: 77484

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.4





#27

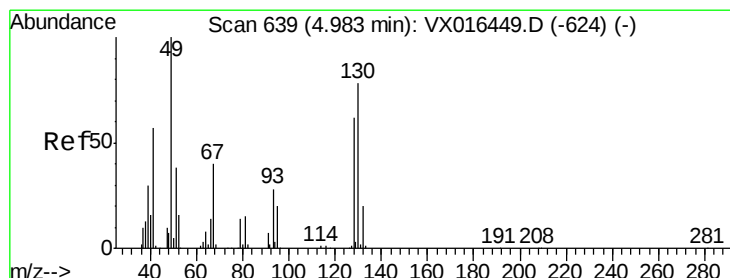
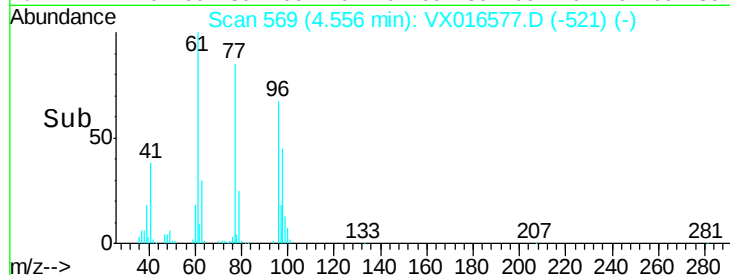
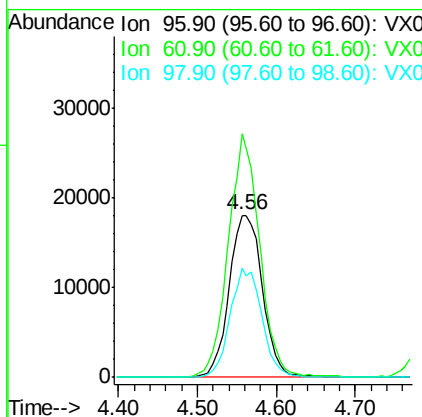
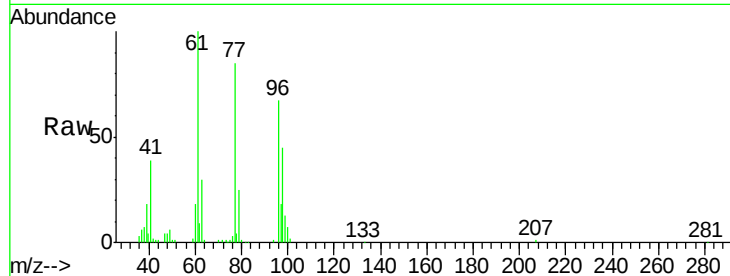
cis-1,2-Dichloroethene
Concen: 16.897 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	52839		
61	142.3		0.0	284.6
98	64.2		0.0	127.2

Manual Integrations
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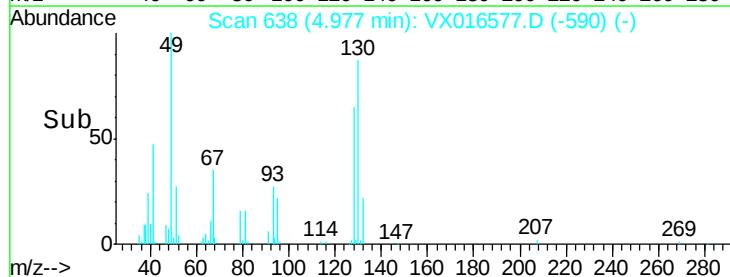
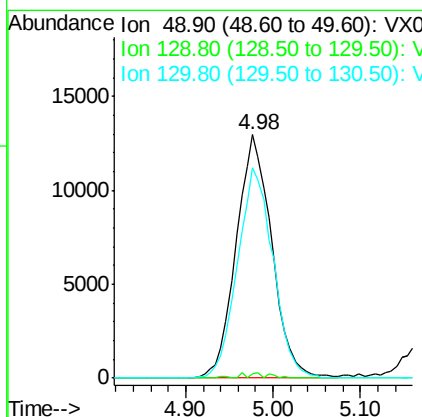
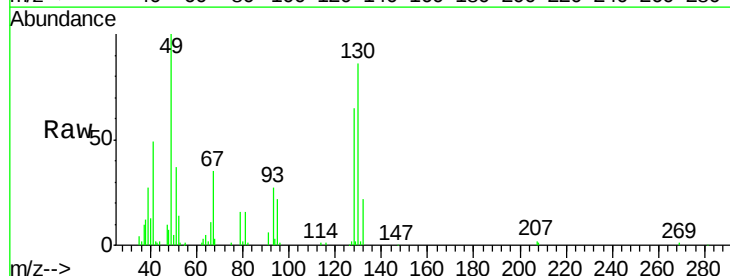
MMDadoda
6/5/2020 10:12:00 AM



#28

Bromochloromethane
Concen: 16.220 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36729		
129	0.8		0.0	4.0
130	86.5		63.0	94.4





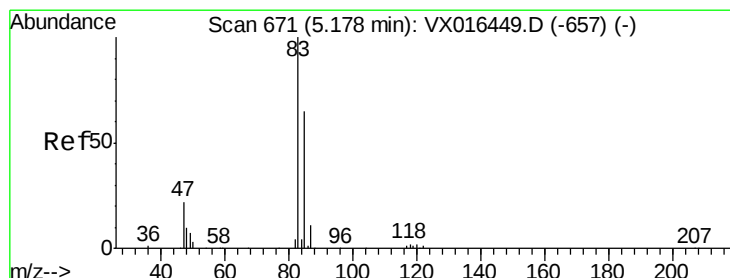
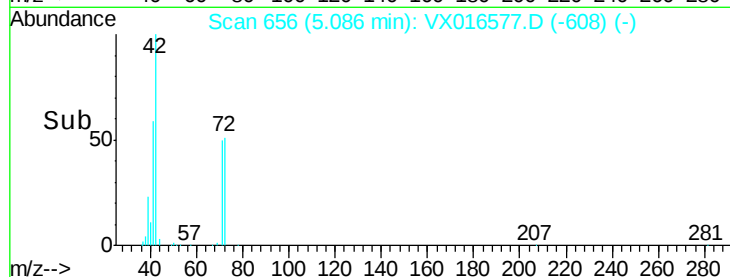
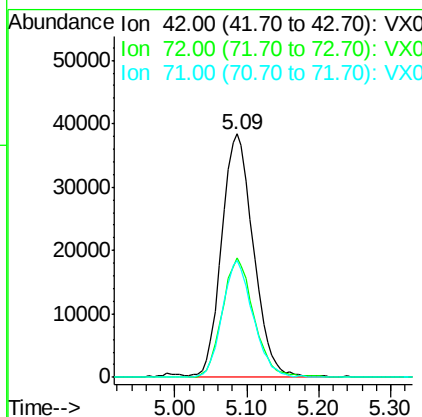
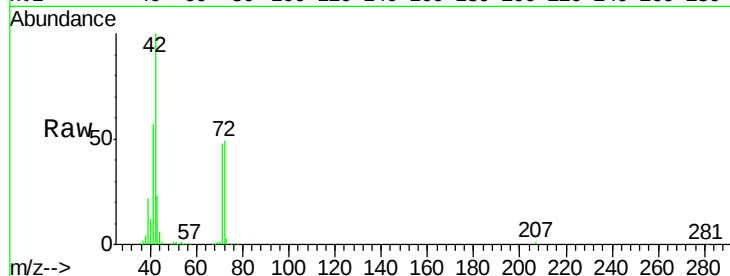
#29
Tetrahydrofuran
Concen: 77.331 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	37.0	55.4
71	46.9	34.1	51.1

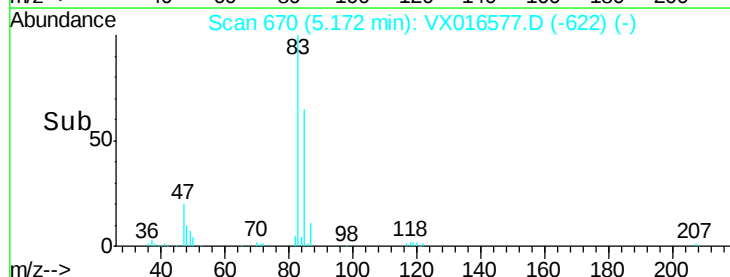
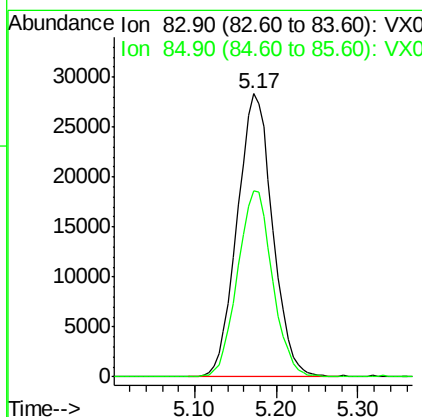
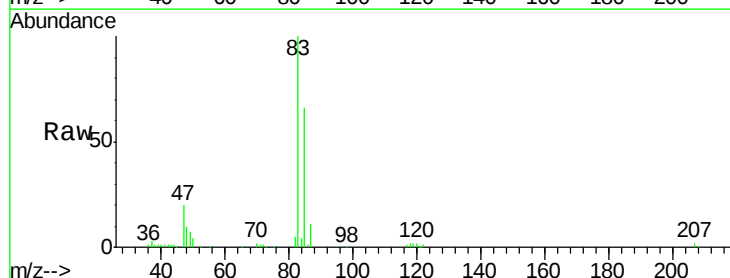
Manual Integrations
APPROVED

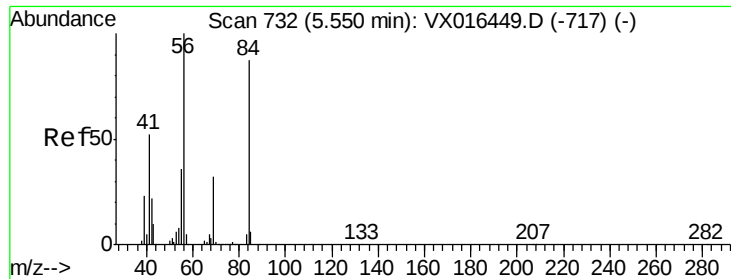
MMDadoda
6/5/2020 10:12:00 AM



#30
Chloroform
Concen: 17.387 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.0	78.0





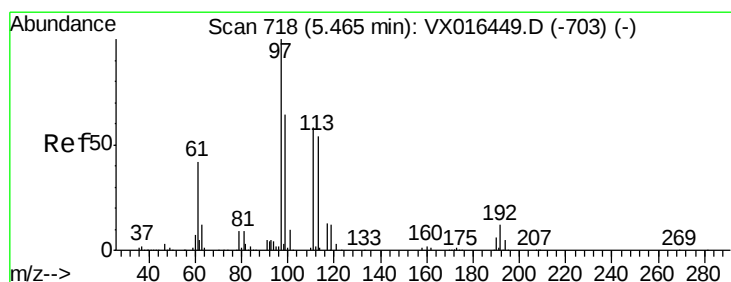
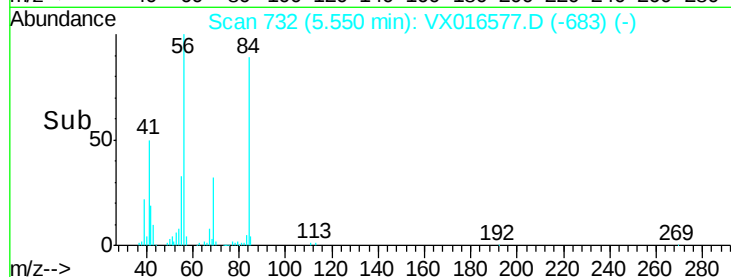
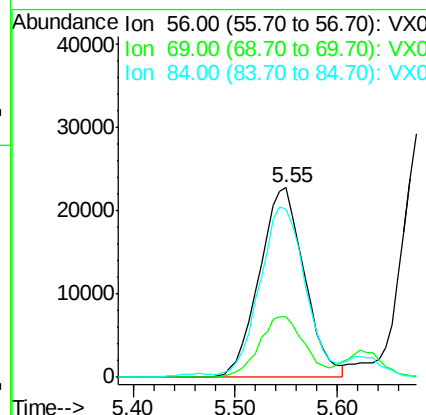
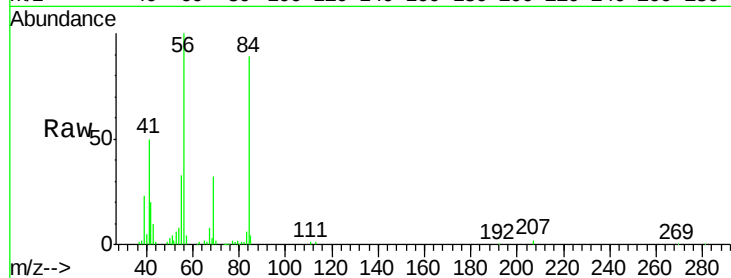
#31
Cyclohexane
Concen: 15.927 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.7	38.5
84	87.2	70.0	105.0

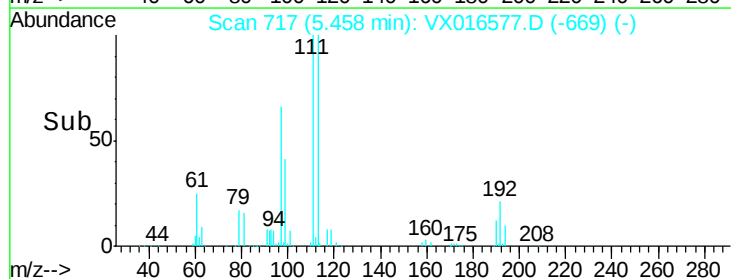
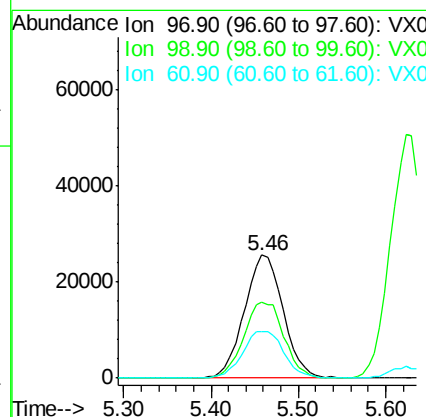
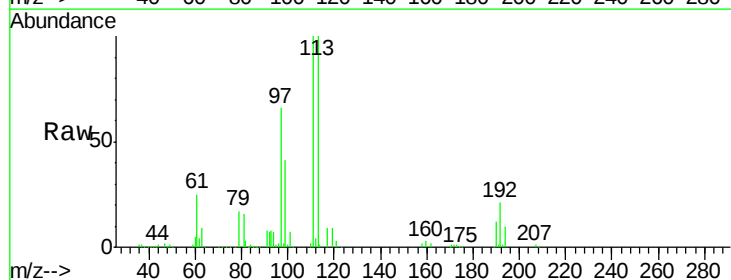
Manual Integrations
APPROVED

MMDadoda
6/5/2020 10:12:00 AM



#32
1,1,1-Trichloroethane
Concen: 17.775 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	40.5	33.5	50.3





#33

1,2-Dichloroethane-d4

Concen: 45.263 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 65 Resp: 142757

Ion Ratio Lower Upper

65 100

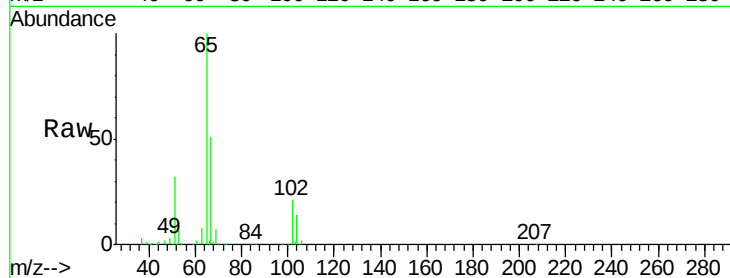
67 52.6 0.0 104.8

Manual Integrations

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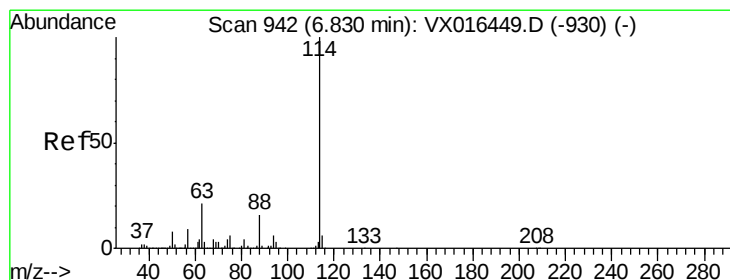
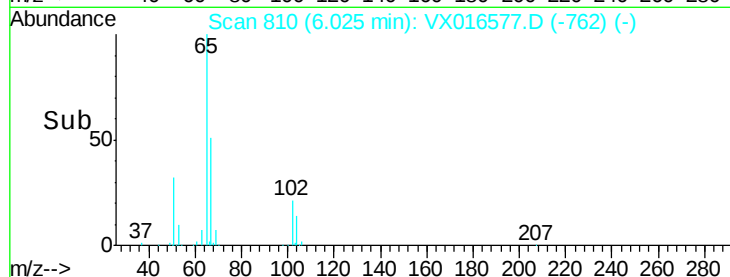
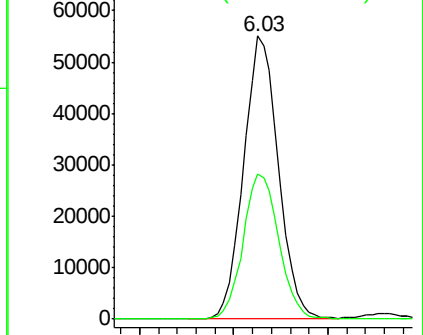
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

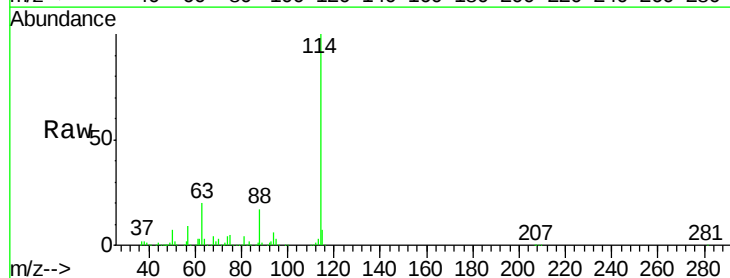
Tgt Ion: 114 Resp: 378579

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

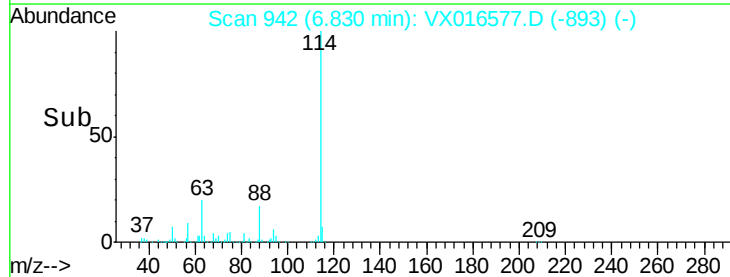
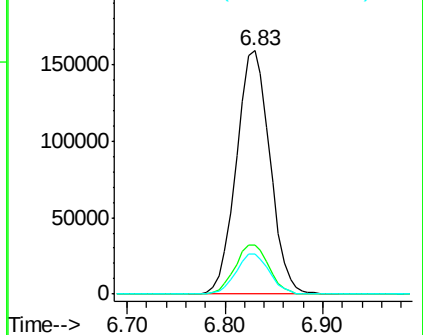
88 16.7 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





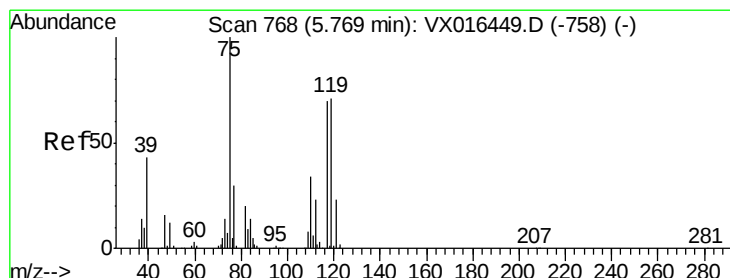
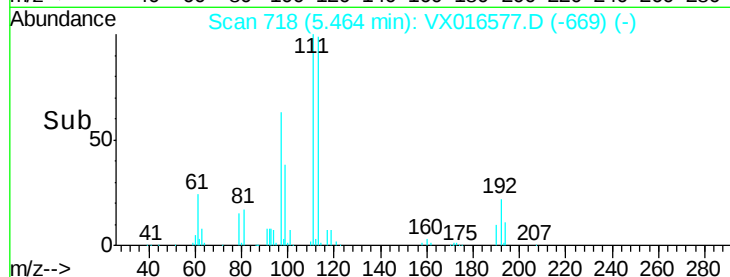
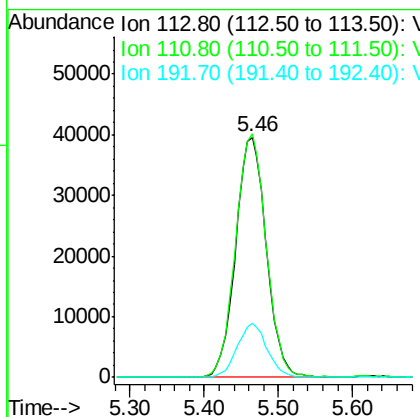
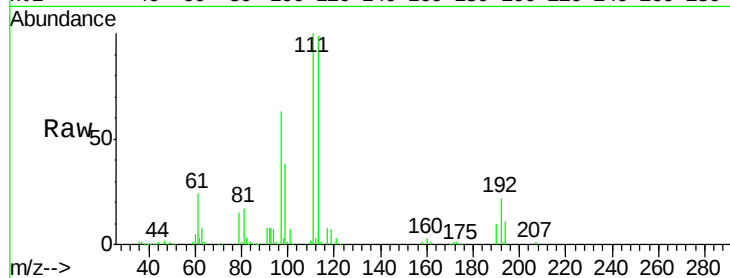
#35
Dibromofluoromethane
Concen: 49.085 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	83.0	124.6	
192	22.0	17.7	26.5	

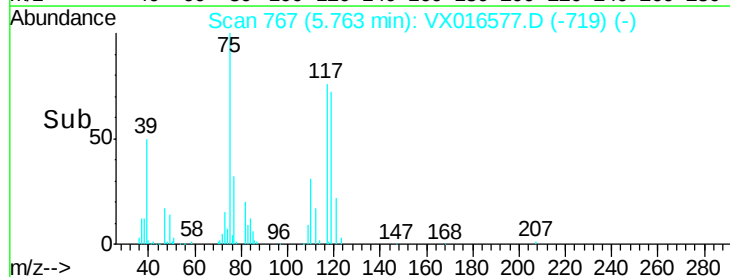
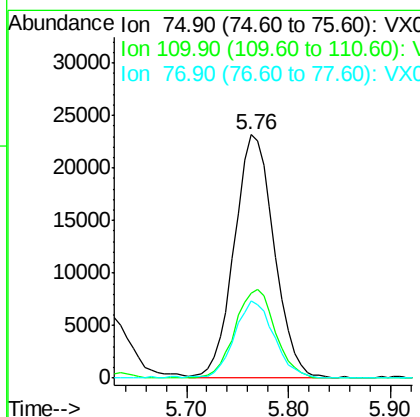
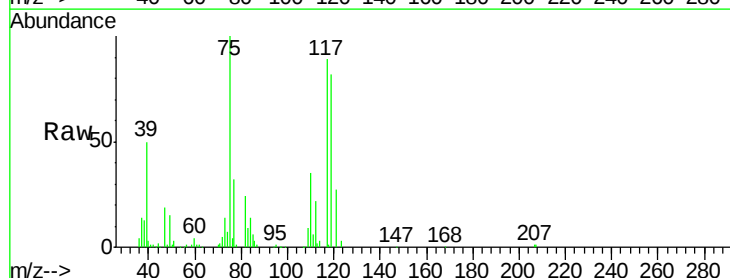
Manual Integrations
APPROVED

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6/5/2020 10:12:00 AM



#36
1,1-Dichloropropene
Concen: 17.439 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	17.4	52.3	
77	31.9	24.2	36.4	





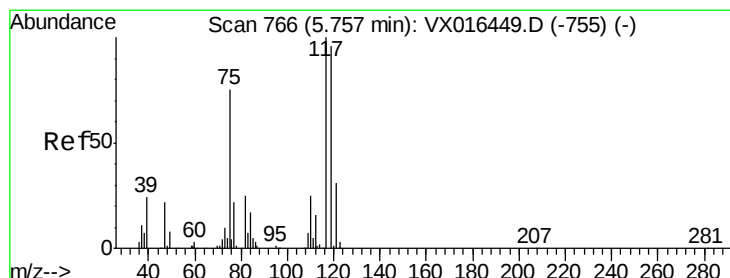
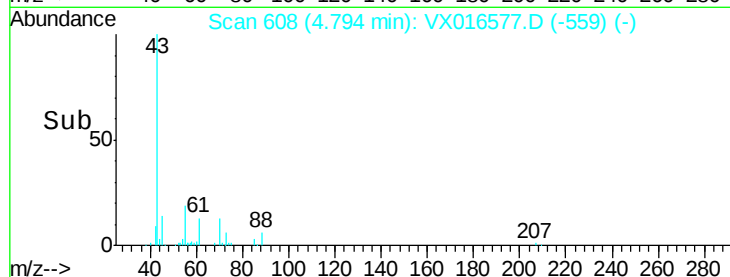
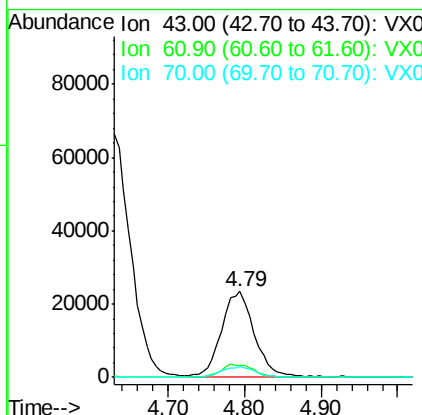
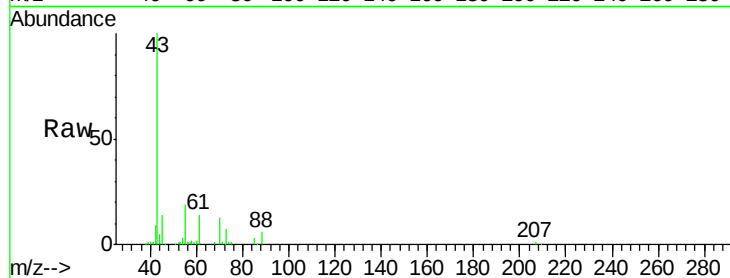
#37
Ethyl Acetate
Concen: 16.015 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.3	16.9
70	12.8	9.3	13.9

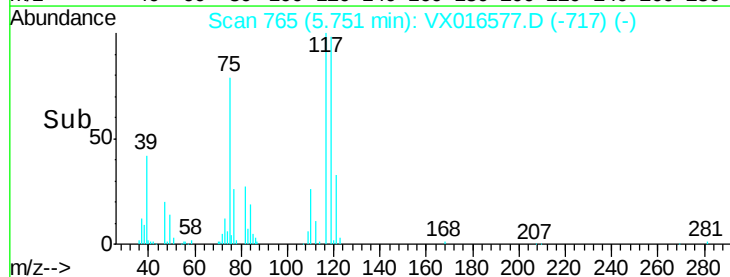
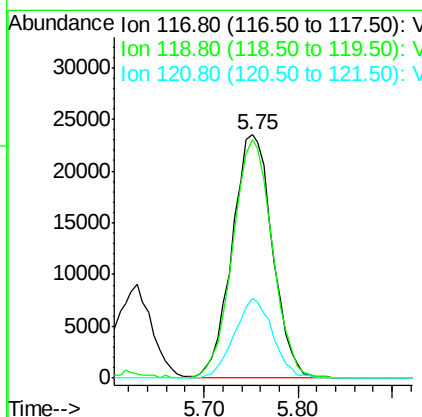
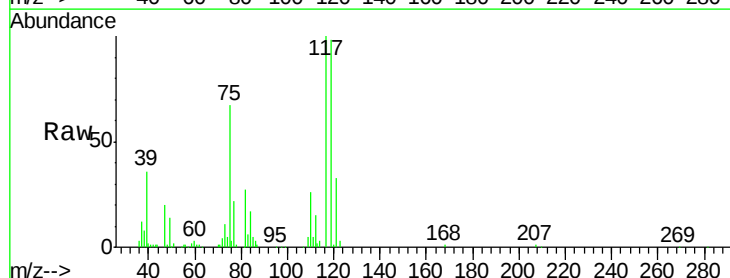
Manual Integrations
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6/5/2020 10:12:00 AM



#38
Carbon Tetrachloride
Concen: 18.646 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	114.5
121	32.5	24.6	37.0





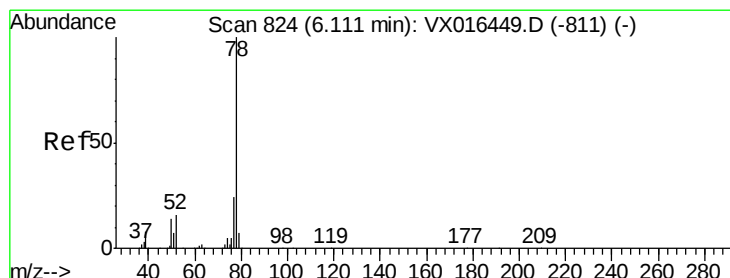
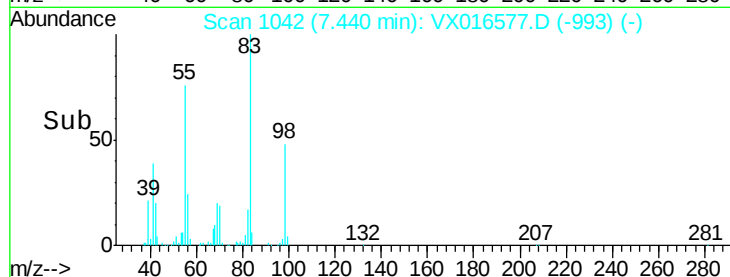
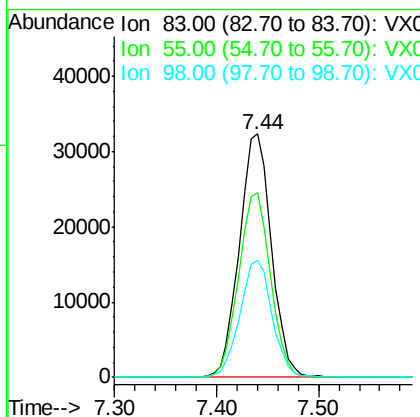
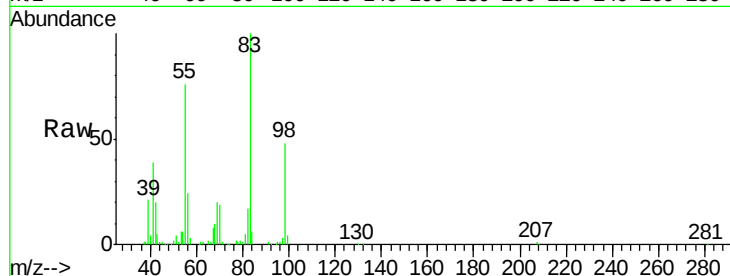
#39
Methvlcvclohexane
Concen: 18.185 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.7	92.5
98	47.8	38.7	58.1

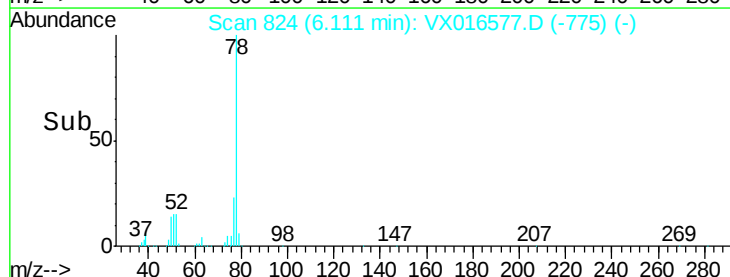
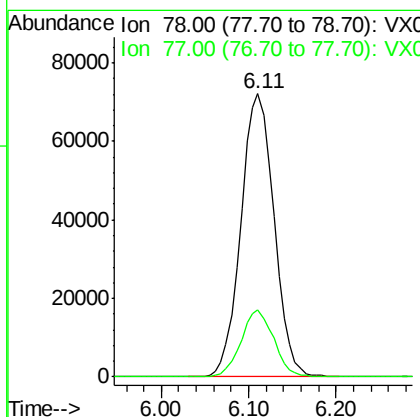
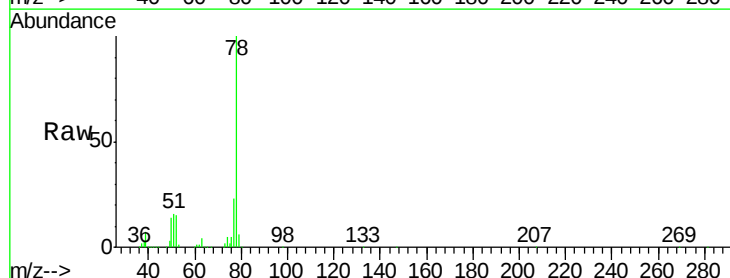
Manual Integrations
APPROVED

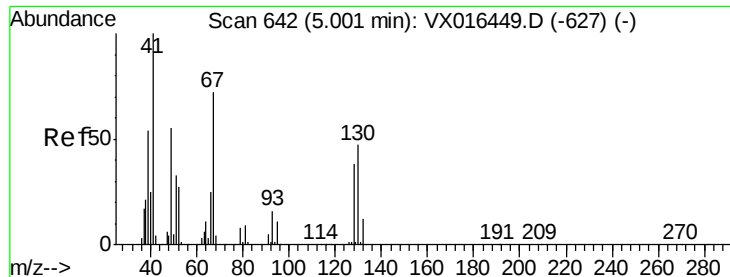
MMDadoda
6/5/2020 10:12:00 AM



#40
Benzene
Concen: 17.836 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





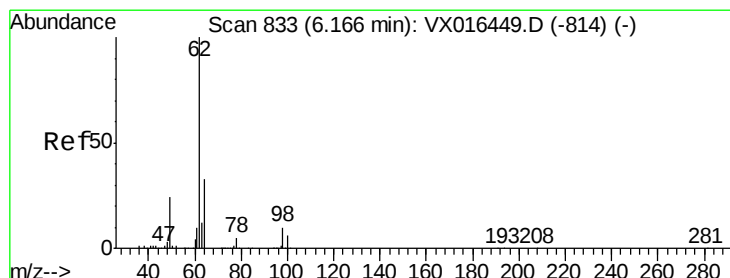
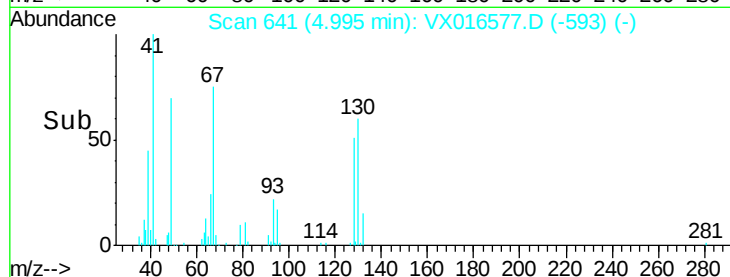
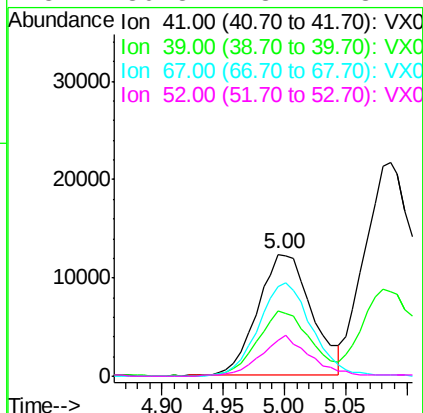
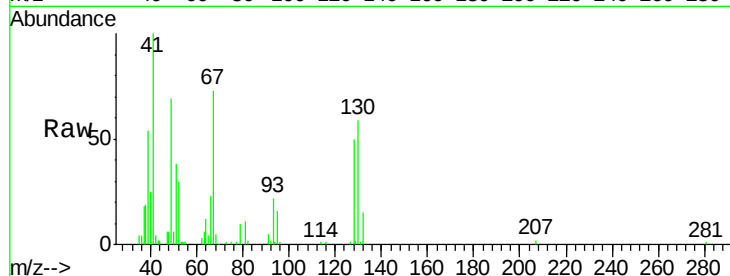
#41
Methacrylonitrile
Concen: 16.052 ug/l
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	43.0	64.4	
67	76.0	58.9	88.3	
52	30.8	23.1	34.7	

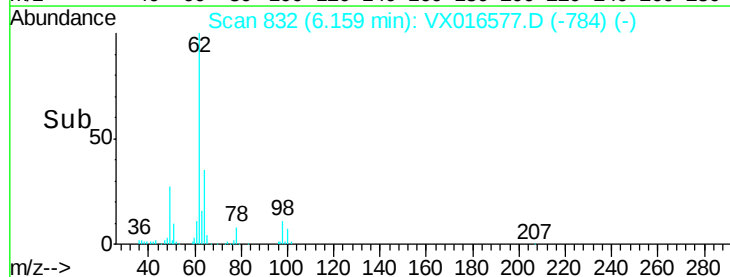
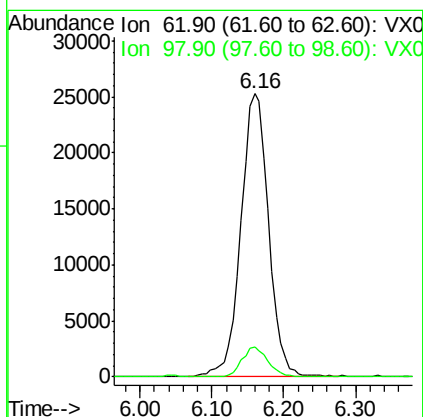
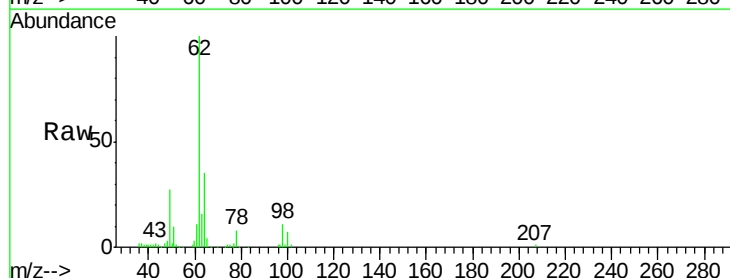
Manual Integrations
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MMDadoda
6/5/2020 10:12:00 AM



#42
1,2-Dichloroethane
Concen: 17.849 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.8	





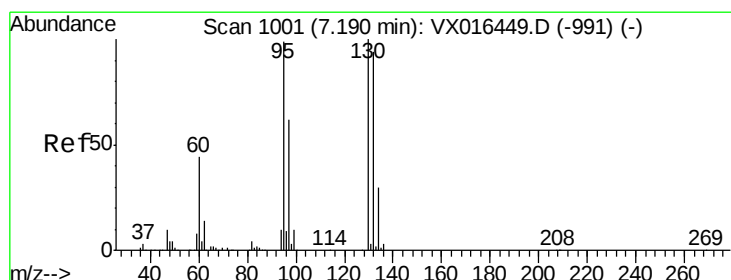
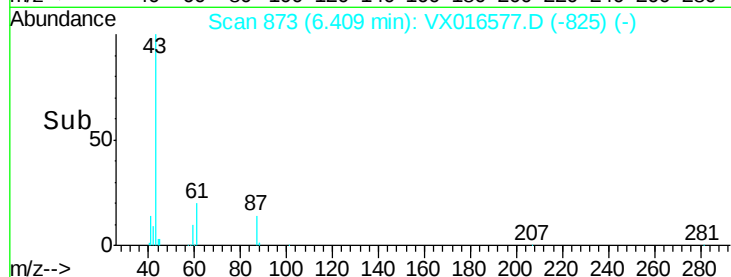
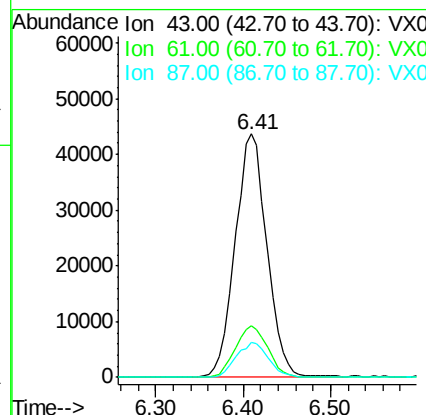
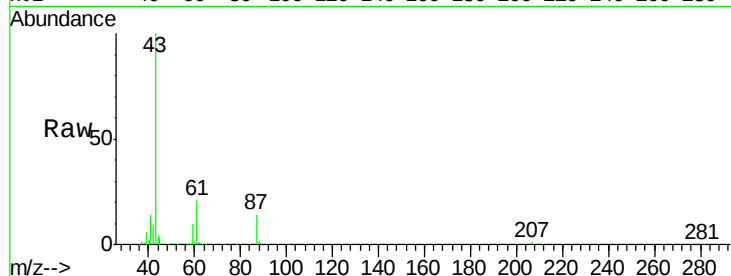
#43
Isopropyl Acetate
Concen: 16.451 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.8	25.2
87	14.7	11.2	16.8

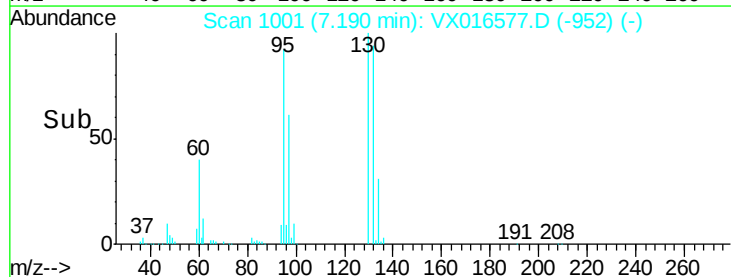
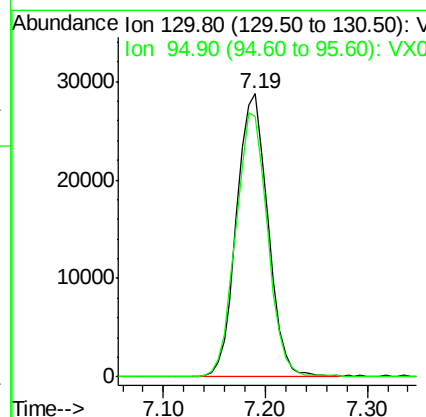
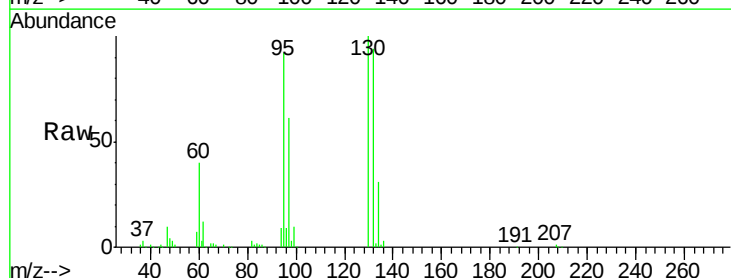
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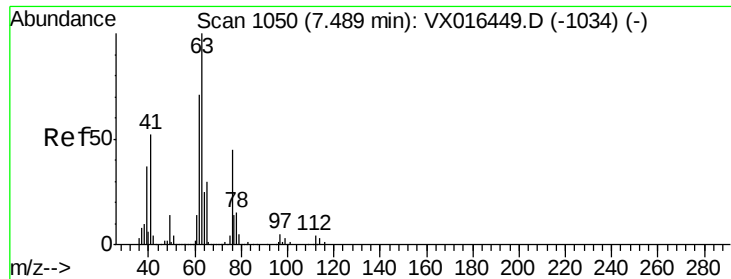
MMDadoda
6/5/2020 10:12:00 AM



#44
Trichloroethene
Concen: 18.124 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	198.2





#45

1,2-Dichloropropane

Concen: 17.435 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 63 Resp: 47379

Ion Ratio Lower Upper

63 100

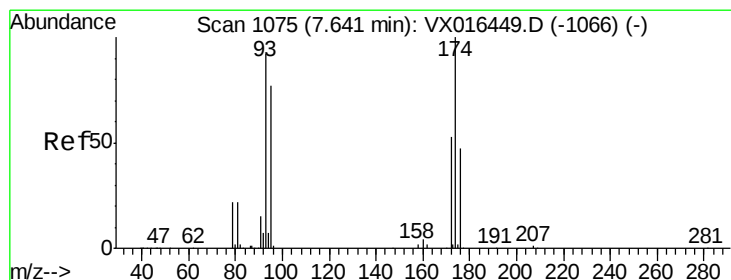
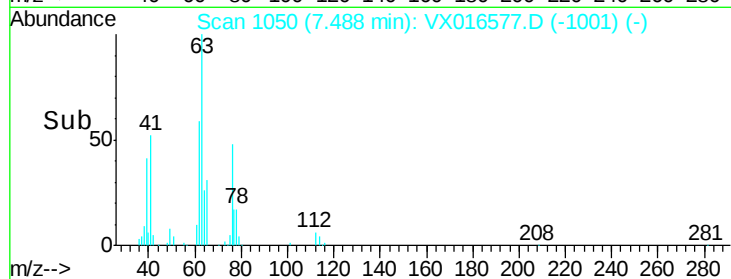
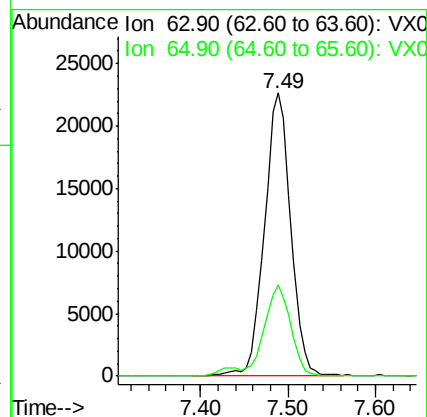
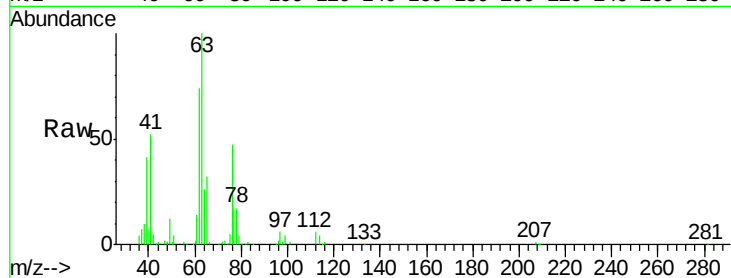
65 32.3 24.2 36.2

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#46

Dibromomethane

Concen: 17.353 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

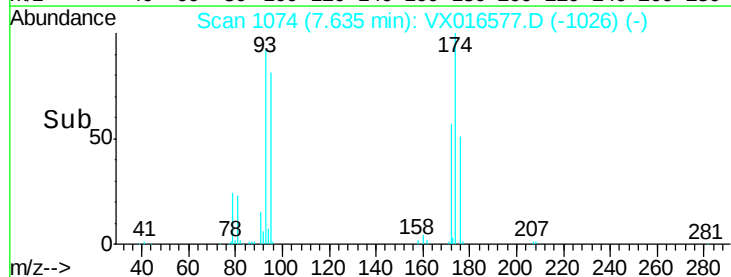
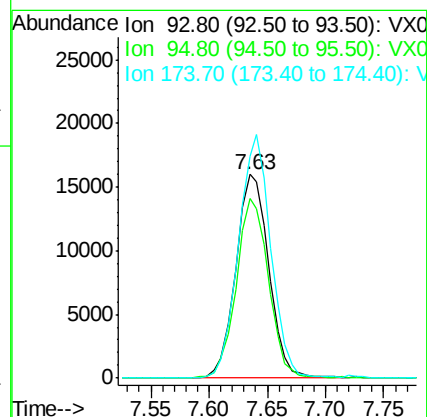
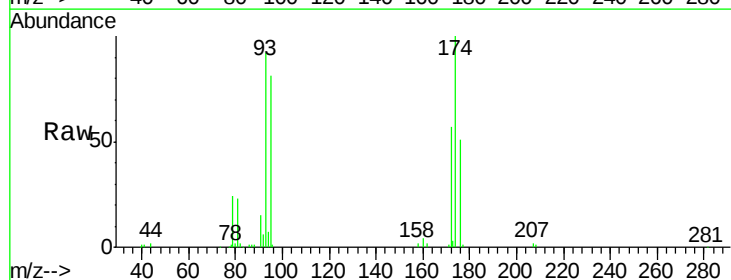
Tgt Ion: 93 Resp: 31673

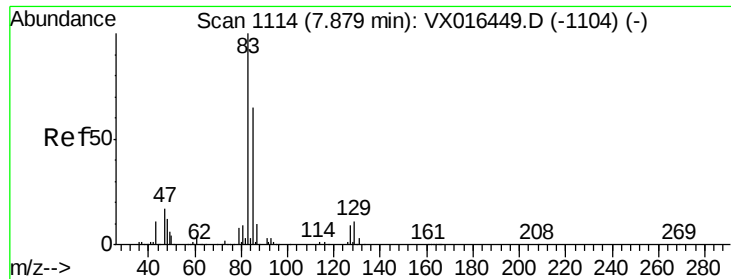
Ion Ratio Lower Upper

93 100

95 86.1 66.6 100.0

174 116.9 86.2 129.4





#47

Bromodichloromethane

Concen: 18.212 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

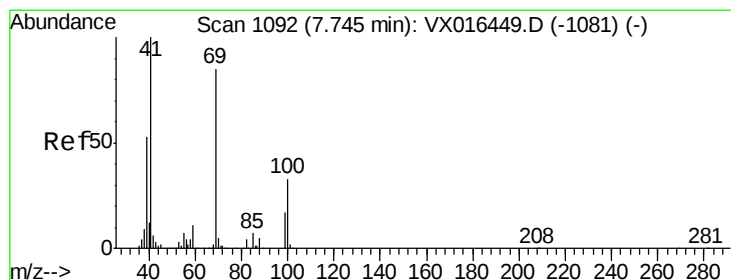
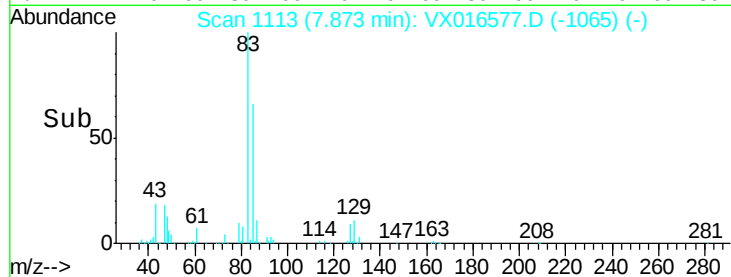
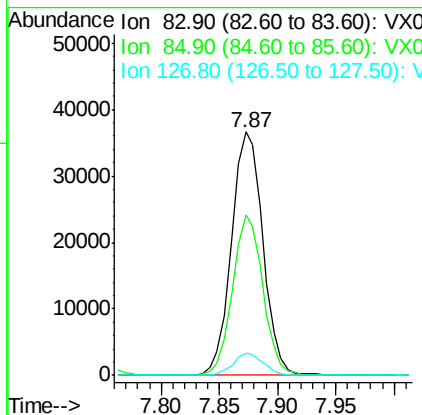
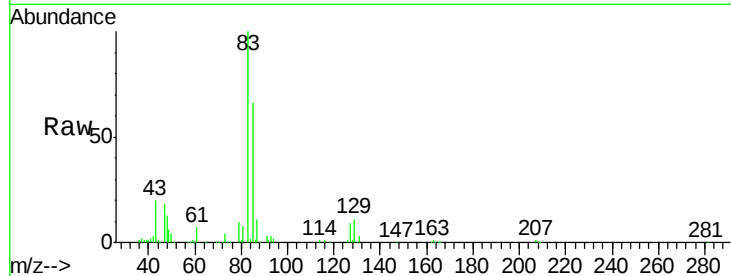
ClientSampleId :

VX0604WBS01

Tot Ion:	83	Resp:	68828
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.0	78.0
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 15.922 ug/l

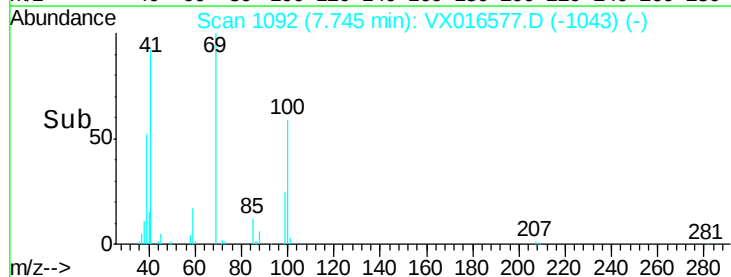
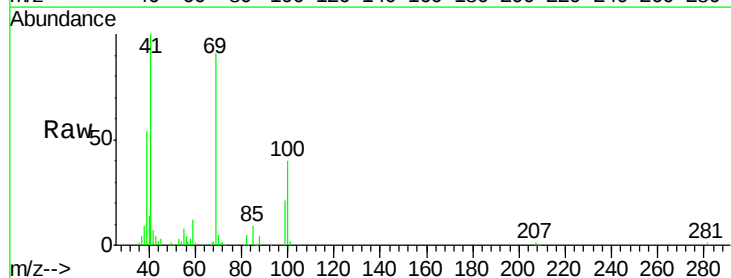
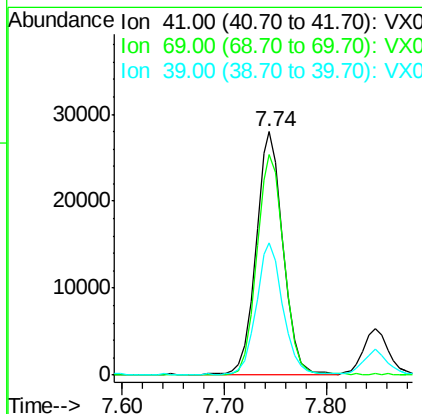
RT: 7.74 min Scan# 1092

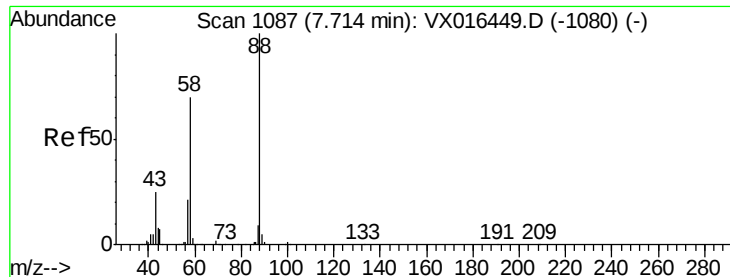
Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Tgt Ion:	41	Resp:	51174
Ion	Ratio	Lower	Upper
41	100		
69	91.9	68.6	102.8
39	53.8	42.4	63.6





#49

1,4-Dioxane

Concen: 333.139 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

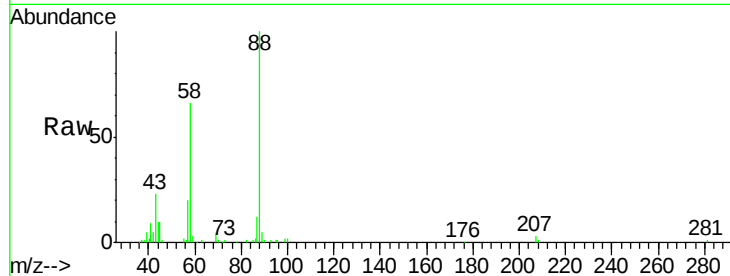
ClientSampleId :

VX0604WBS01

Tot Ion:	88	Resp:	25057
Ion	Ratio	Lower	Upper
88	100		
43	31.3	24.2	36.4
58	68.3	56.5	84.7

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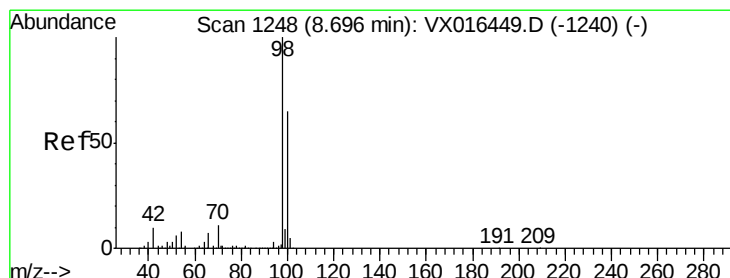
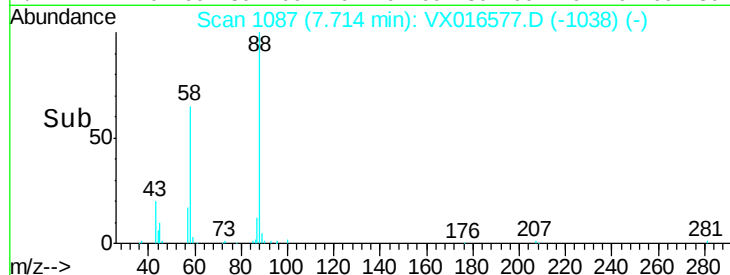
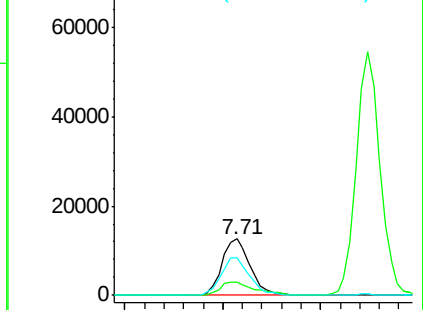
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Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.744 ug/l

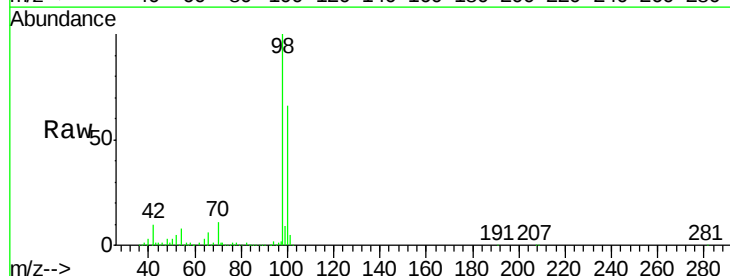
RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016577.D

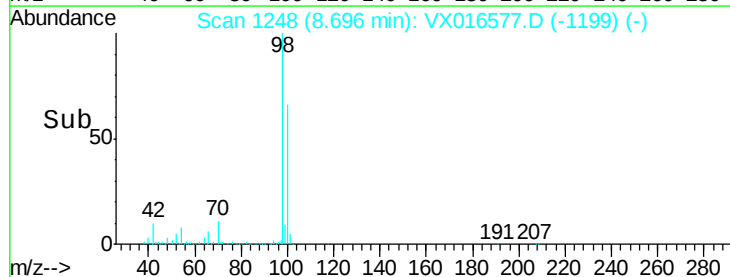
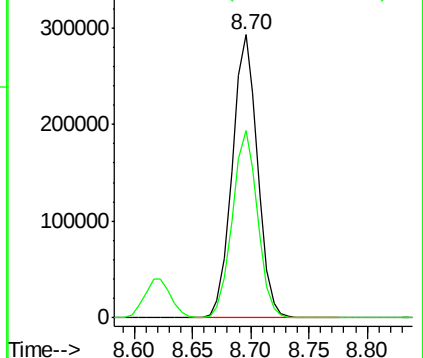
Acq: 04 Jun 2020 11:02

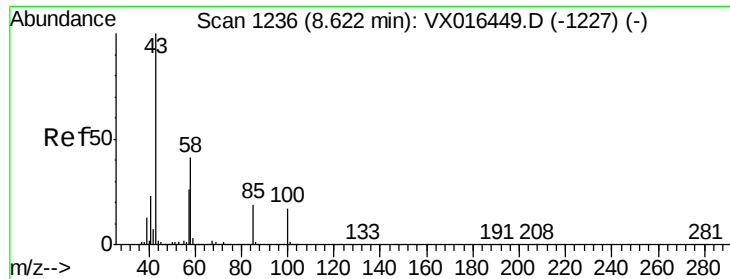
Tgt Ion:	98	Resp:	442259
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.8	80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 82.729 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 43 Resp: 345778

Ion Ratio Lower Upper

43 100

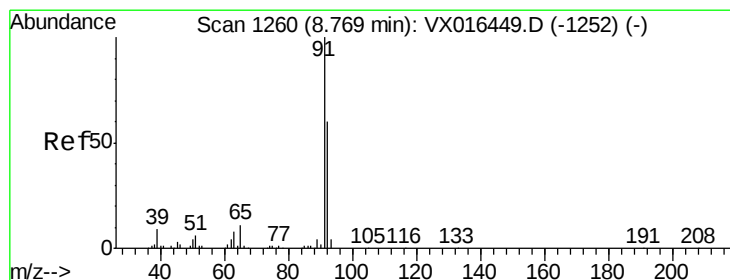
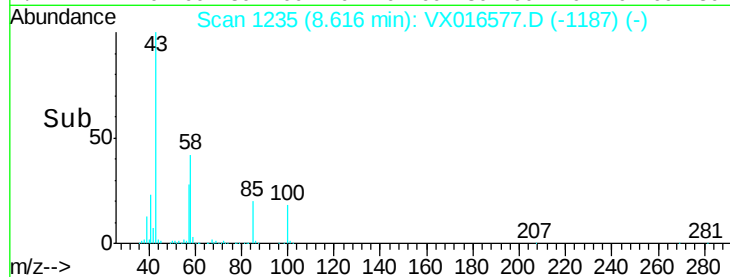
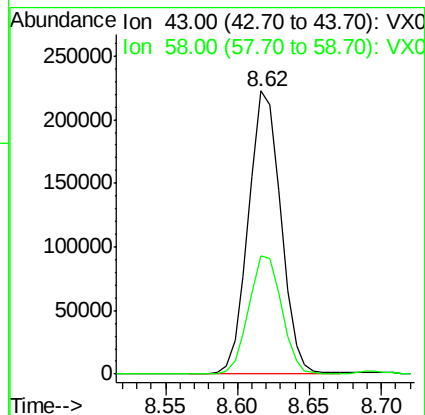
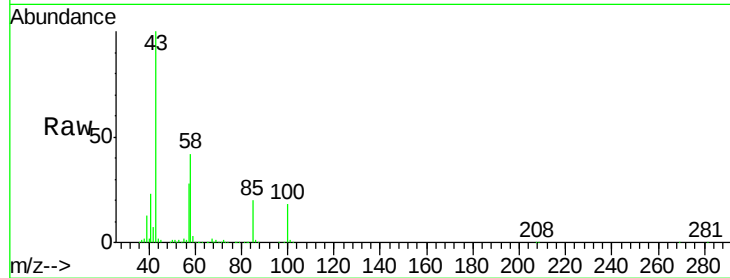
58 42.6 33.0 49.6

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#52

Toluene

Concen: 18.373 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016577.D

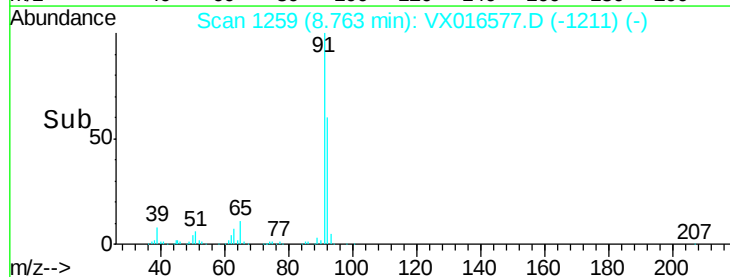
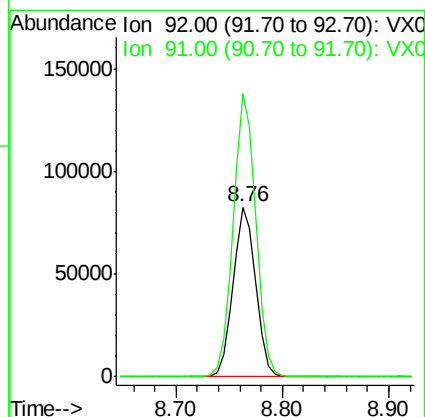
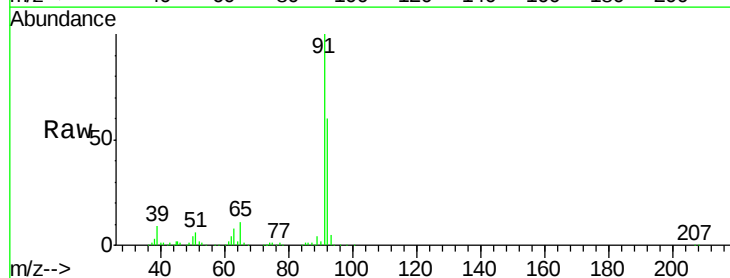
Acq: 04 Jun 2020 11:02

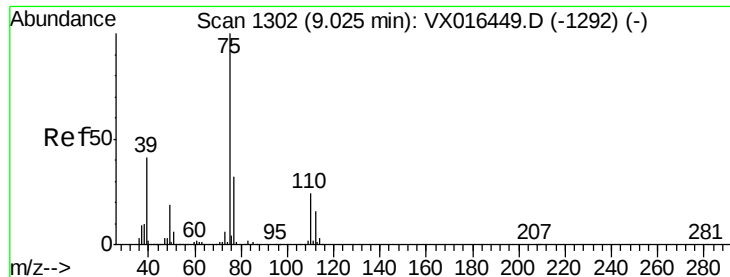
Tgt Ion: 92 Resp: 123668

Ion Ratio Lower Upper

92 100

91 166.1 135.0 202.4





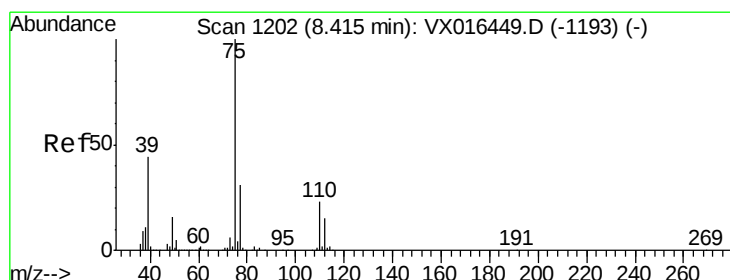
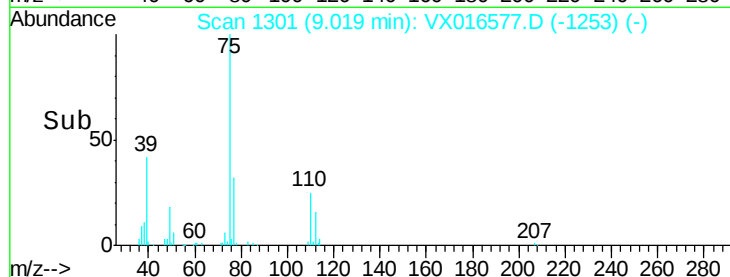
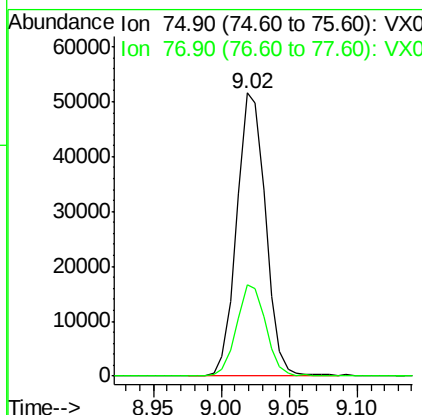
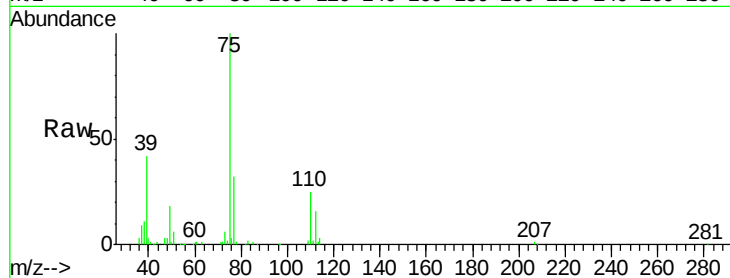
#53
t-1,3-Dichloropropene
Concen: 17.724 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

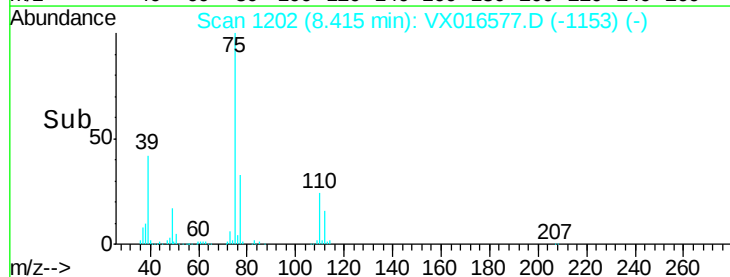
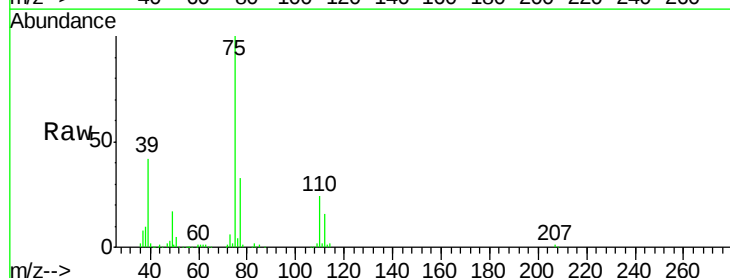
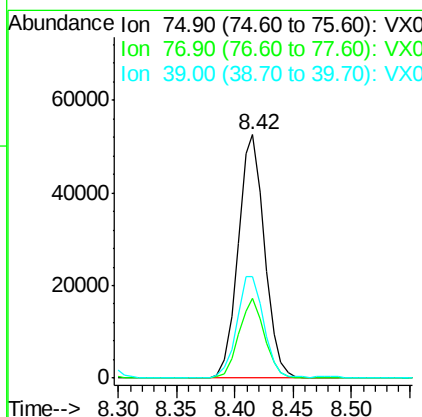
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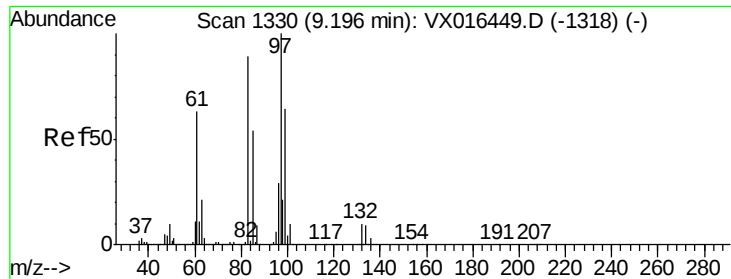
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6/5/2020 10:12:00 AM



#54
cis-1,3-Dichloropropene
Concen: 18.251 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.6	36.8
39	41.8	35.3	52.9





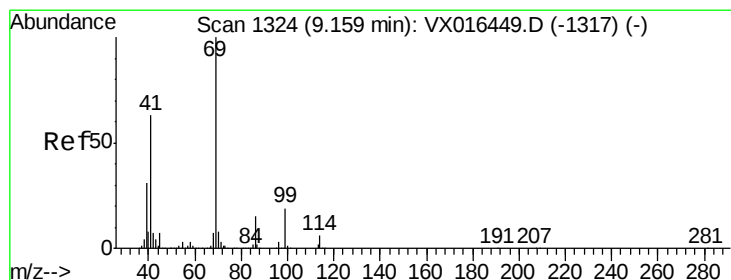
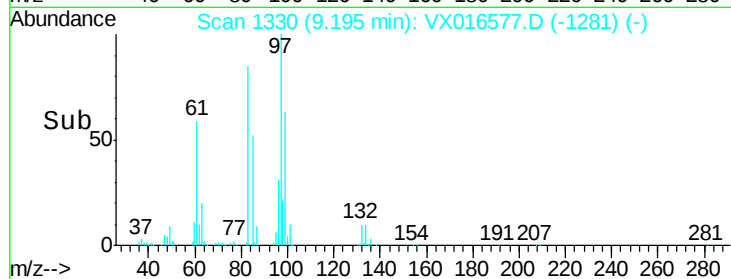
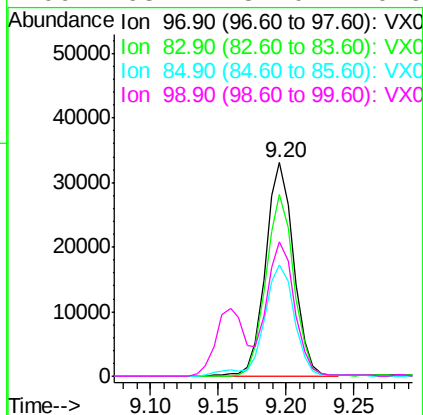
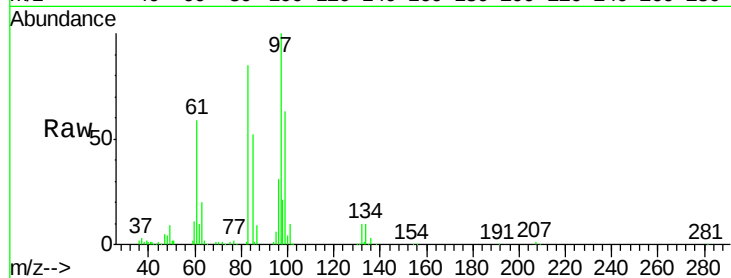
#55
 1,1,2-Trichloroethane
 Concen: 18.088 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion:	97	Resp:	48409
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.9	106.3
85	52.4	43.4	65.2
99	63.2	51.0	76.6

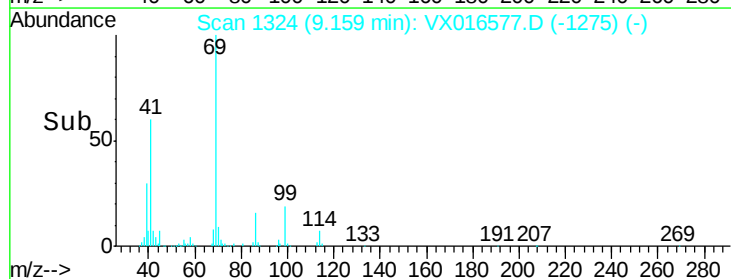
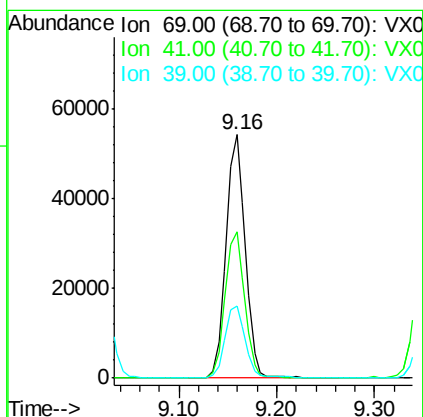
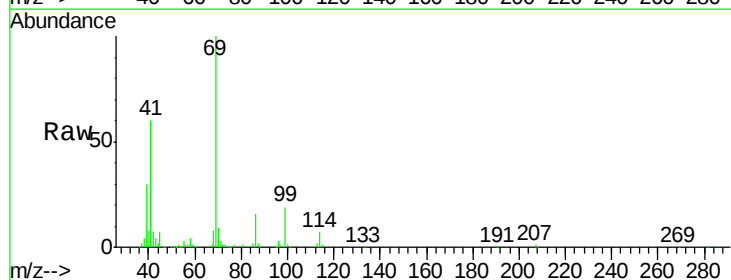
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#56
 Ethyl methacrylate
 Concen: 16.941 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Tgt Ion:	69	Resp:	73842
Ion	Ratio	Lower	Upper
69	100		
41	62.1	50.7	76.1
39	31.2	25.8	38.6





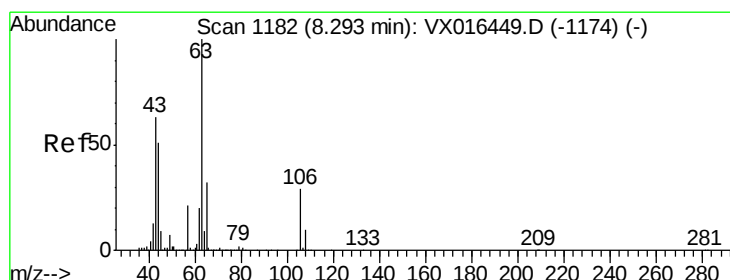
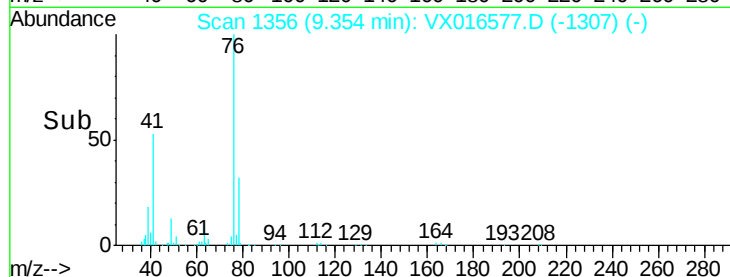
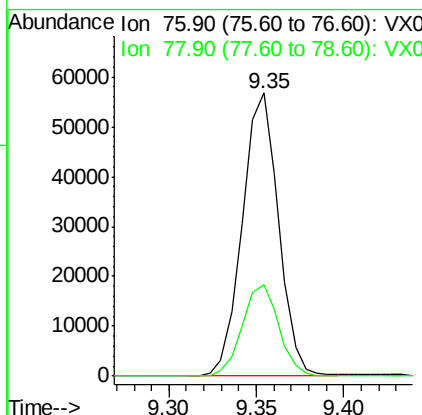
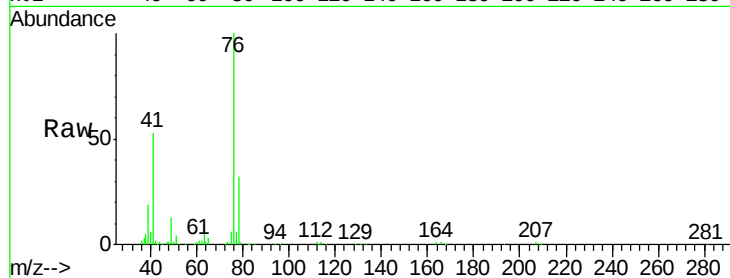
#57
 1,3-Dichloropropane
 Concen: 17.812 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0604WBS01

Tot Ion: 76 Resp: 81823
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4

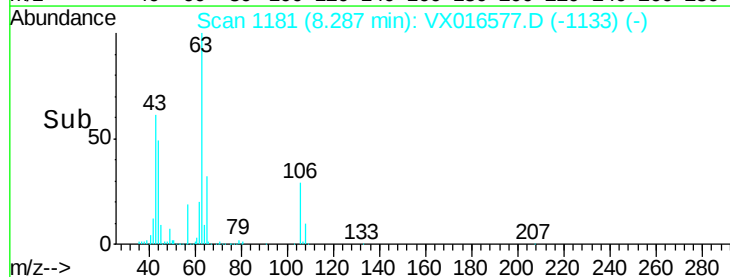
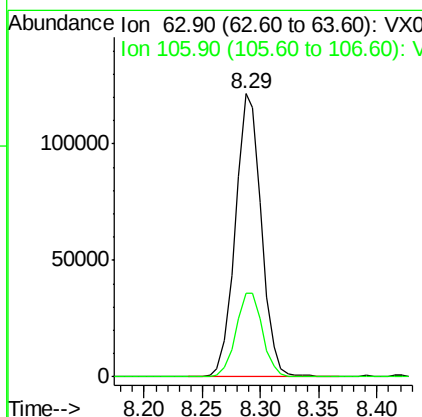
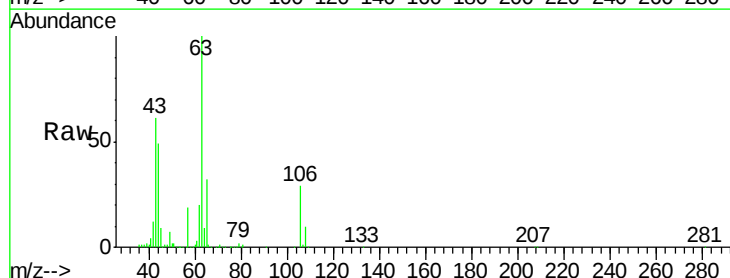
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 83.114 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Tgt Ion: 63 Resp: 189089
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.2 34.8





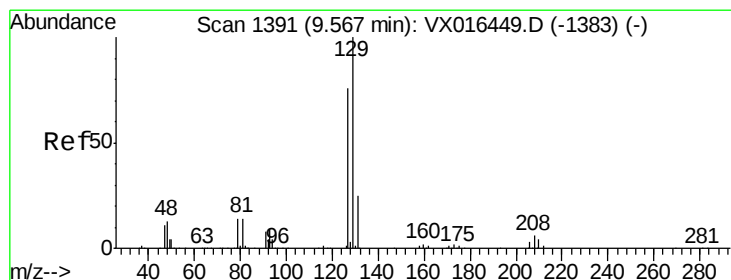
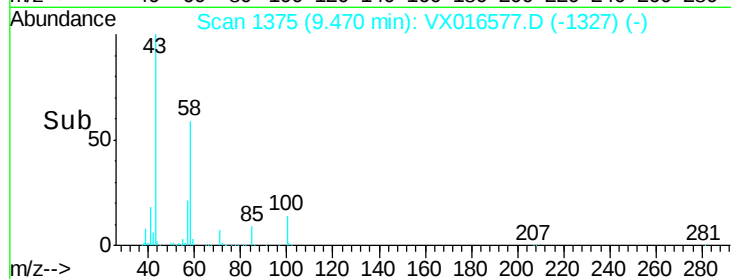
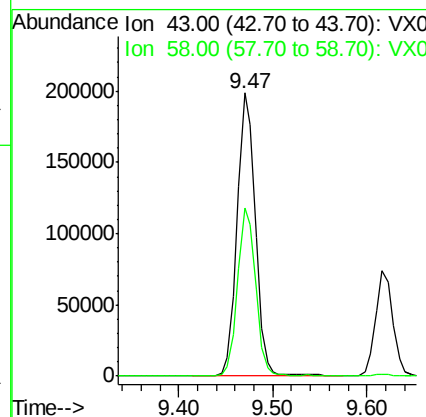
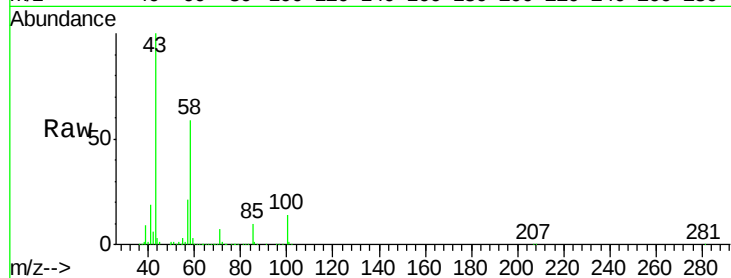
#59
2-Hexanone
Concen: 82.456 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.5	28.8	86.4

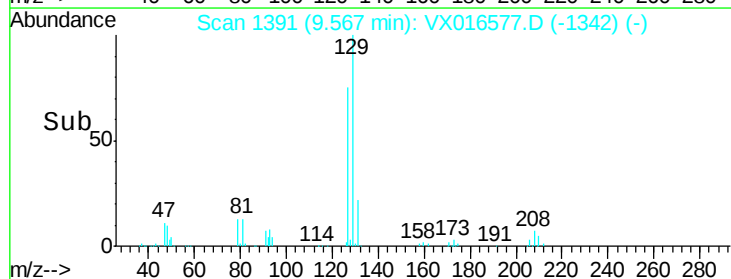
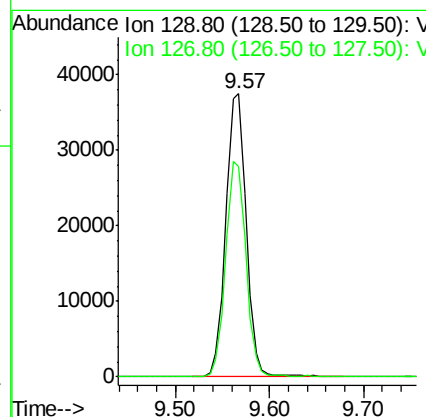
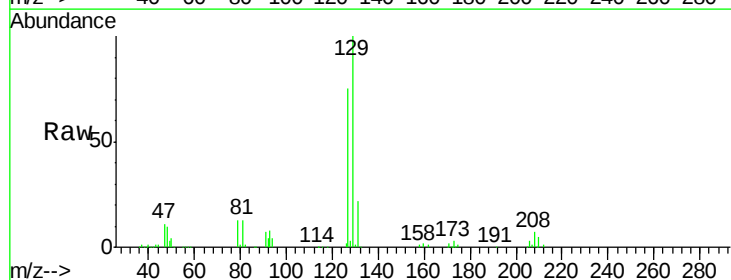
Manual Integrations
APPROVED

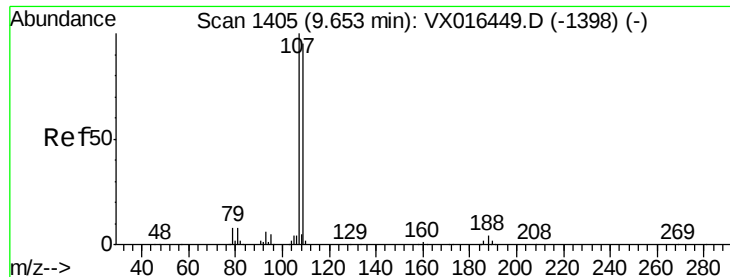
MMDadoda
6/5/2020 10:12:00 AM



#60
Dibromochloromethane
Concen: 18.776 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.6	116.0





#61

1,2-Dibromoethane

Concen: 17.761 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 107 Resp: 50901

Ion Ratio Lower Upper

107 100

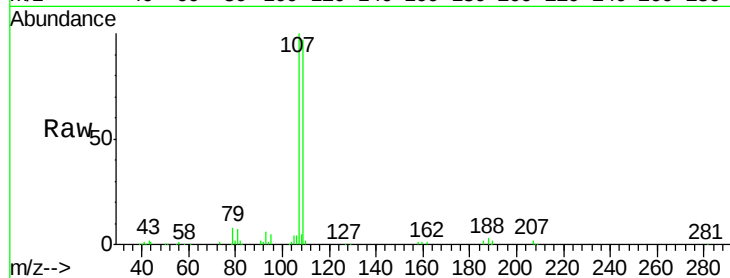
109 95.2 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

40000

30000

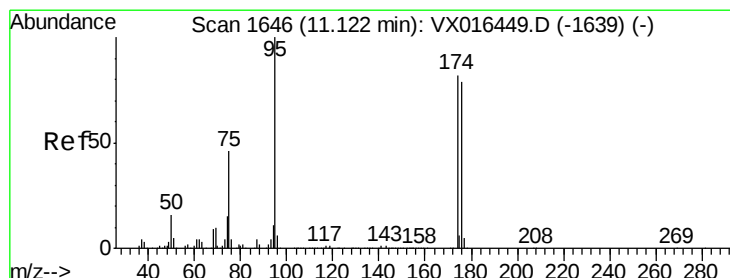
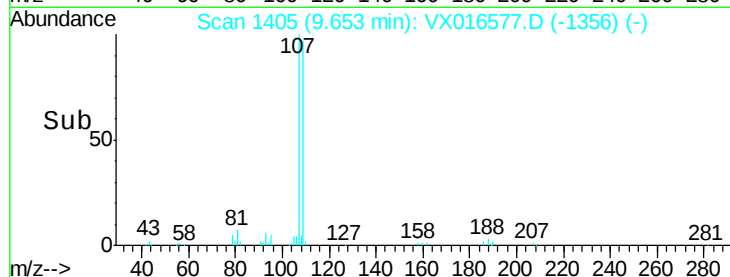
20000

10000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 46.337 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

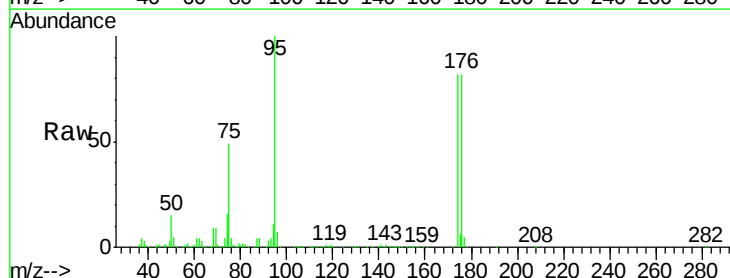
Tgt Ion: 95 Resp: 162448

Ion Ratio Lower Upper

95 100

174 84.2 0.0 163.0

176 83.1 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

150000

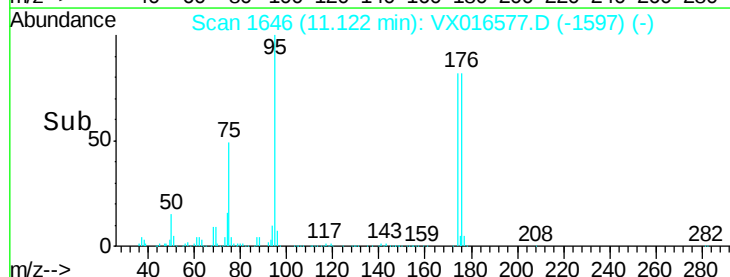
100000

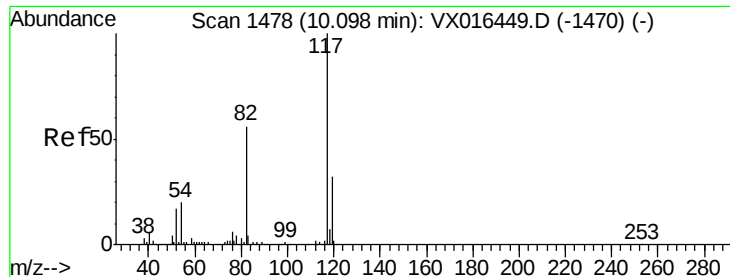
50000

0

Time-->

11.10 11.20





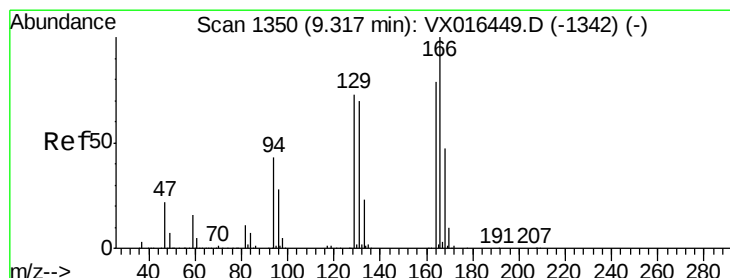
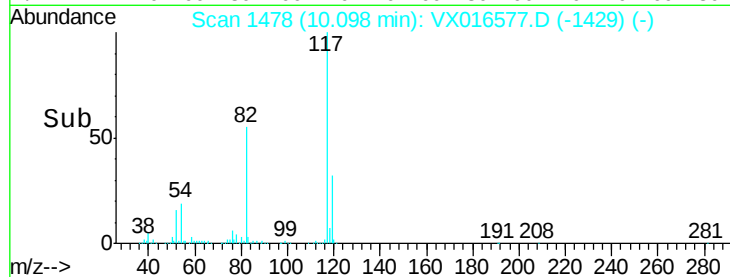
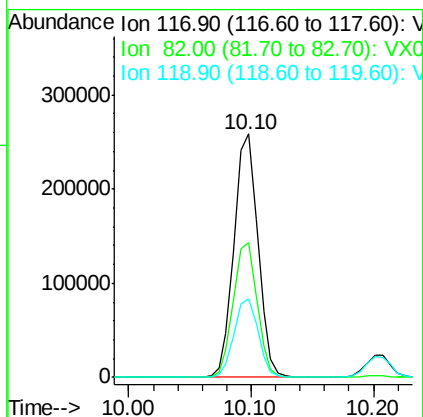
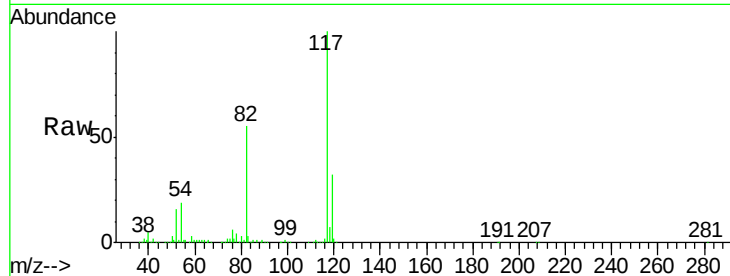
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.0	67.6
119	32.4	25.8	38.8

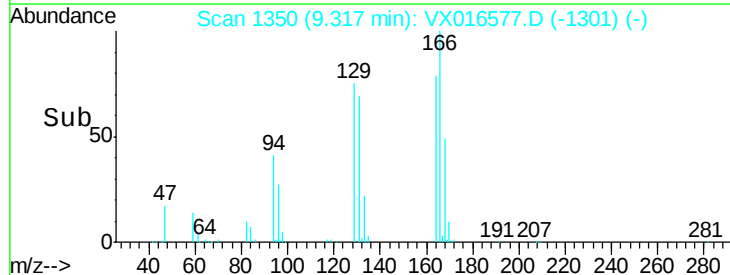
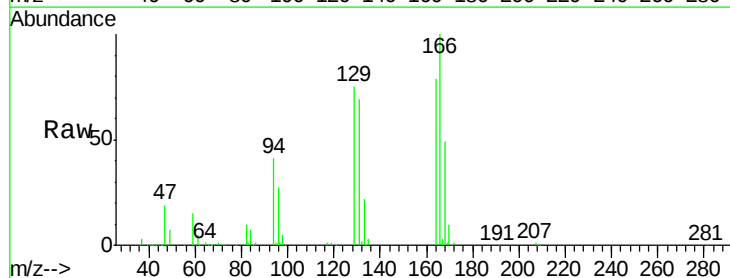
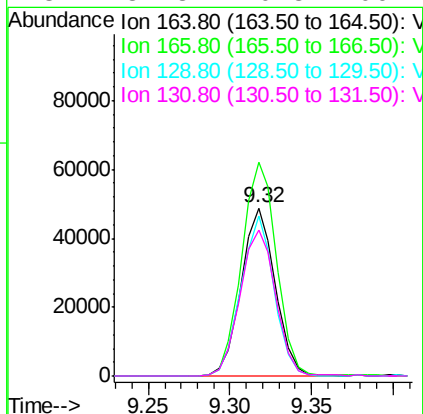
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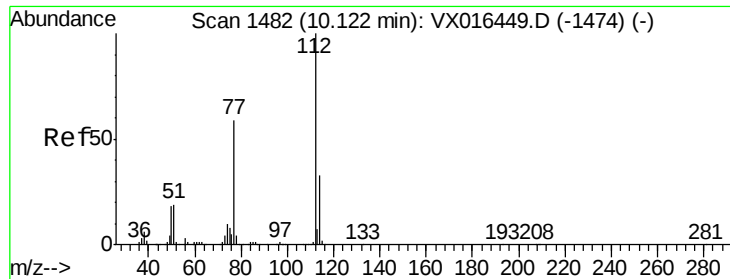
MMDadoda
6/5/2020 10:12:00 AM



#64
Tetrachloroethene
Concen: 18.060 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	100.9	151.3
129	95.2	73.2	109.8
131	87.3	70.8	106.2





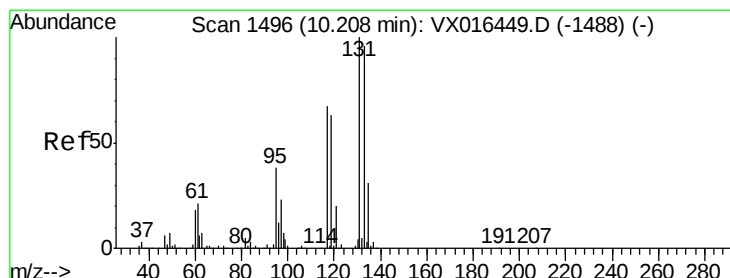
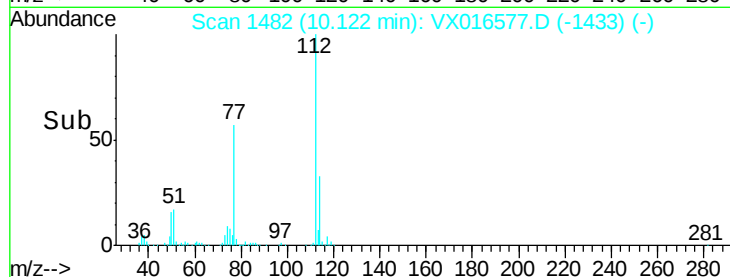
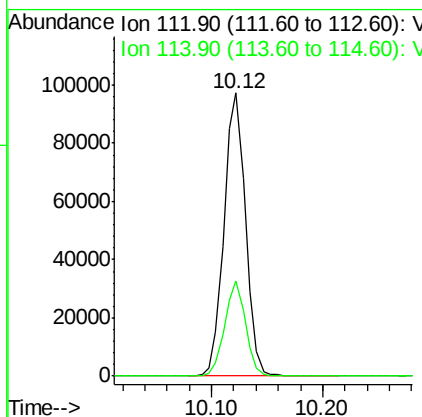
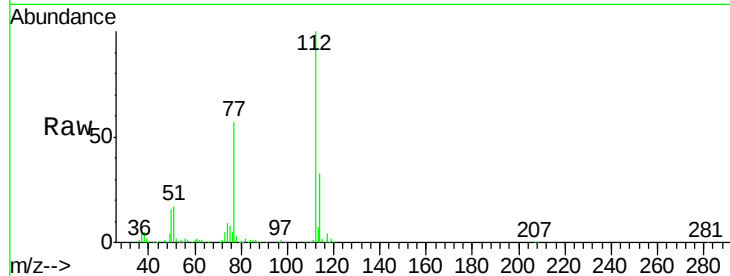
#65
Chlorobenzene
Concen: 18.212 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion:112 Resp: 129736
Ion Ratio Lower Upper
112 100
114 33.4 26.0 39.0

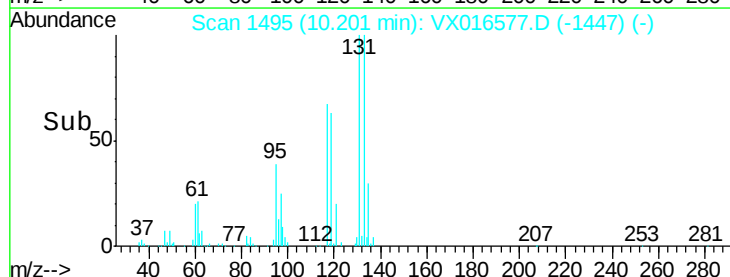
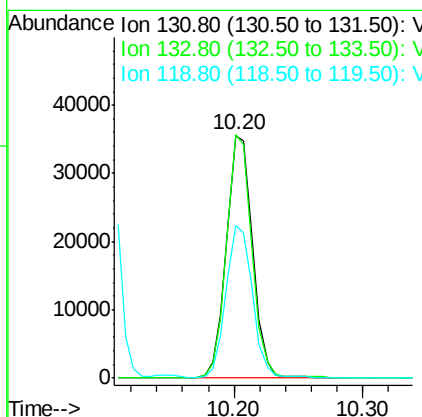
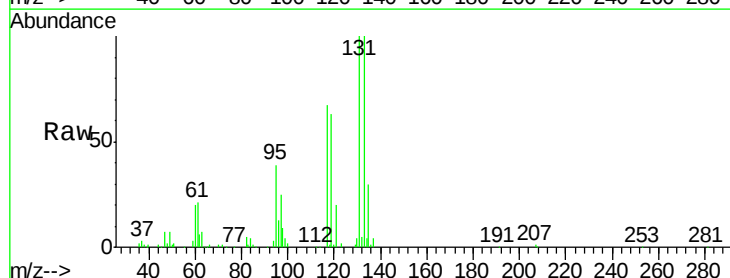
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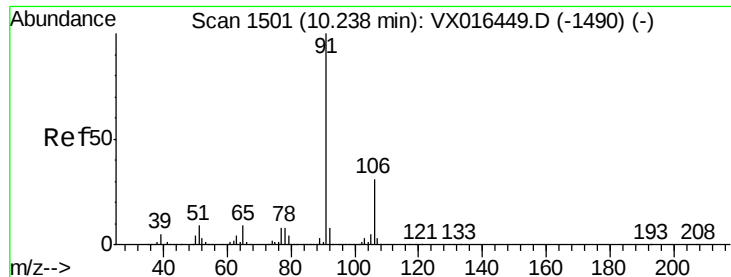
MMDadoda
6/5/2020 10:12:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.803 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion:131 Resp: 51130
Ion Ratio Lower Upper
131 100
133 97.5 48.4 145.3
119 63.7 32.0 96.2





#67

Ethyl Benzene

Concen: 17.753 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 91 Resp: 225167

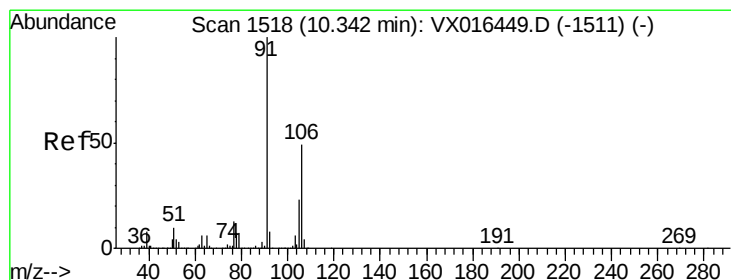
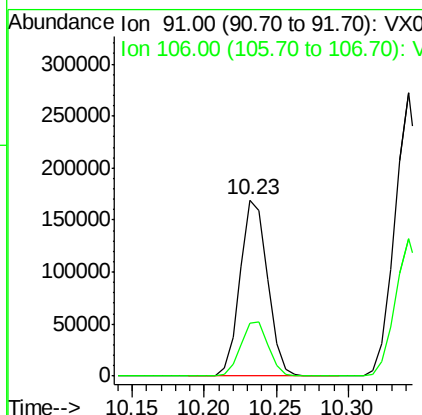
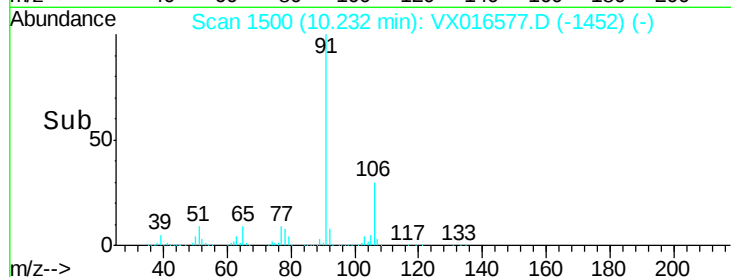
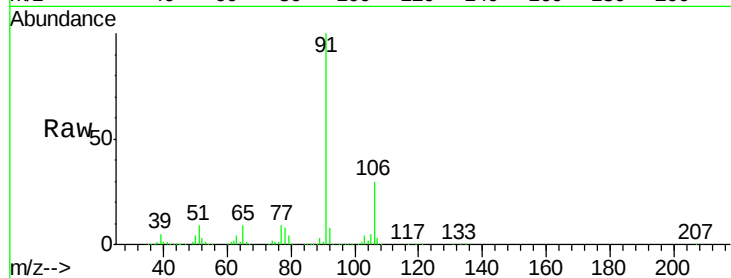
Ion Ratio Lower Upper

91 100

106 30.2 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 36.784 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016577.D

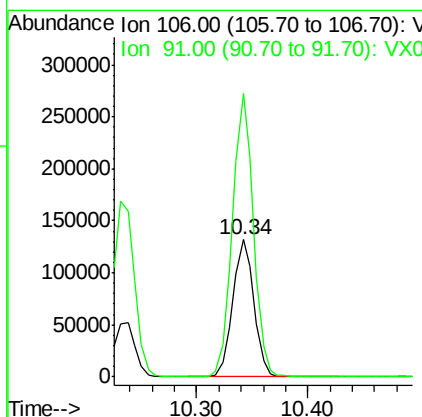
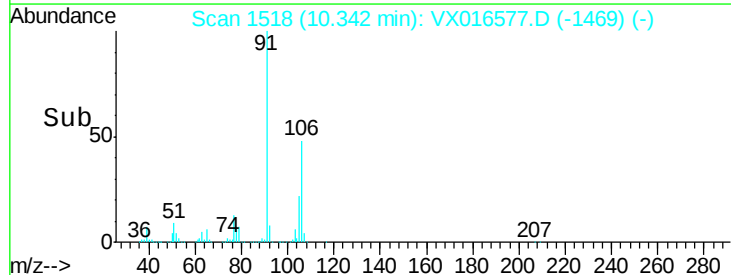
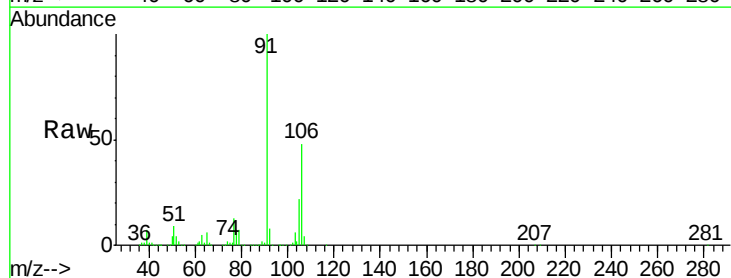
Acq: 04 Jun 2020 11:02

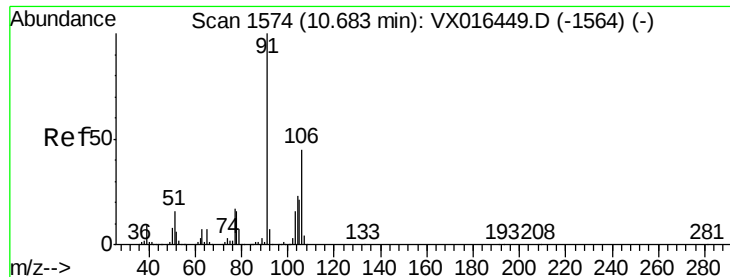
Tgt Ion: 106 Resp: 172979

Ion Ratio Lower Upper

106 100

91 204.0 163.8 245.8





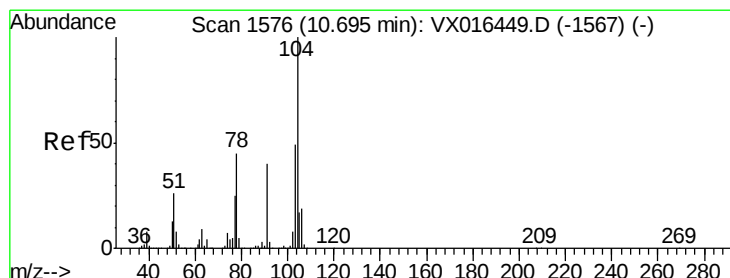
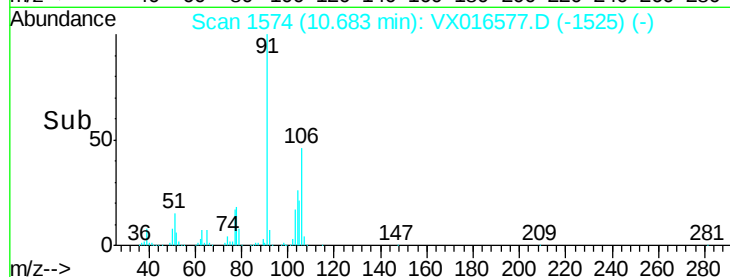
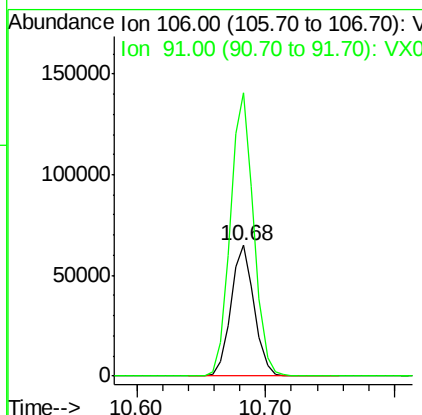
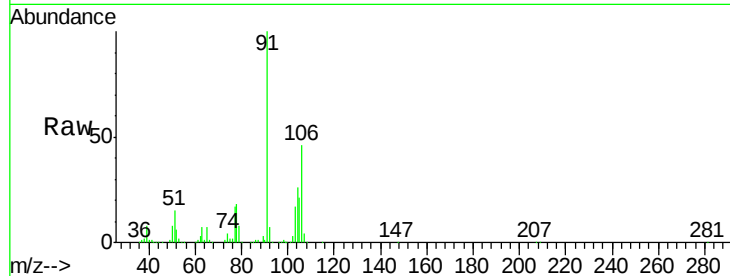
#69
o-Xylene
Concen: 18.085 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion:106 Resp: 82365
Ion Ratio Lower Upper
106 100
91 216.3 109.6 328.8

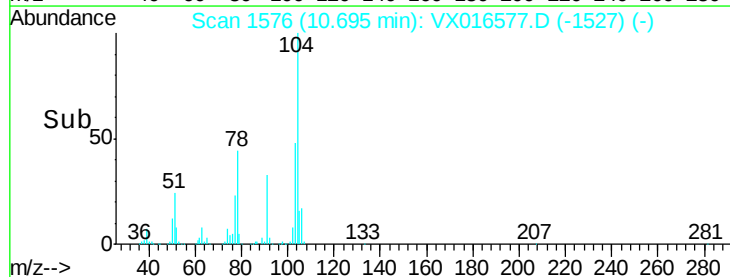
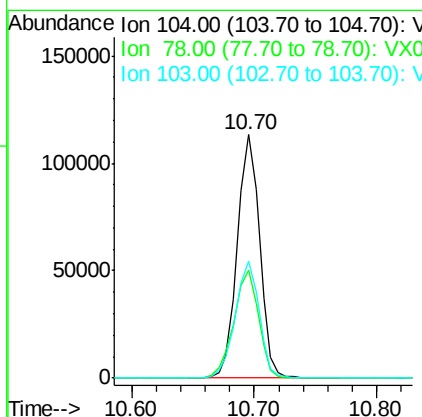
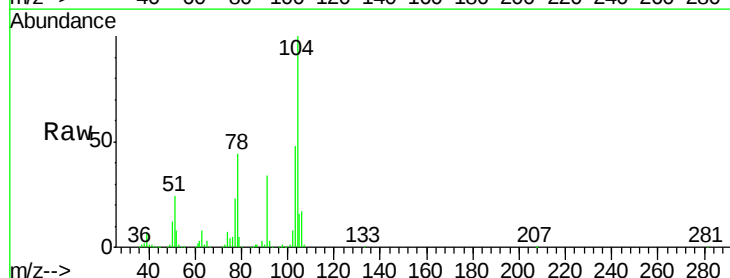
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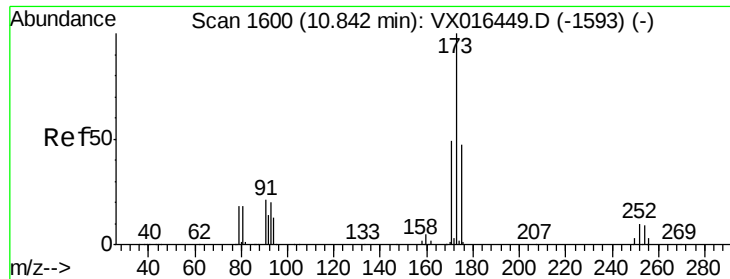
MMDadoda
6/5/2020 10:12:00 AM



#70
Styrene
Concen: 18.289 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion:104 Resp: 143165
Ion Ratio Lower Upper
104 100
78 49.3 40.2 60.2
103 51.8 43.1 64.7





#71

Bromoform

Concen: 18.467 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion:173 Resp: 42440

Ion Ratio Lower Upper

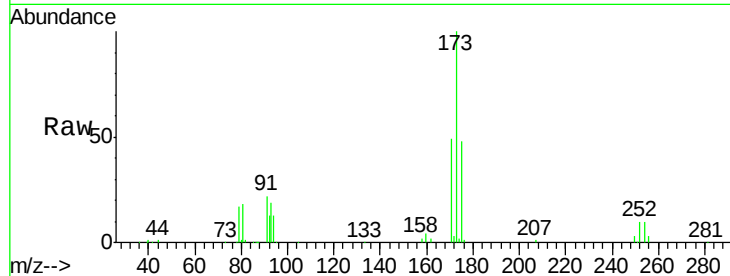
173 100

175 47.8 23.9 71.7

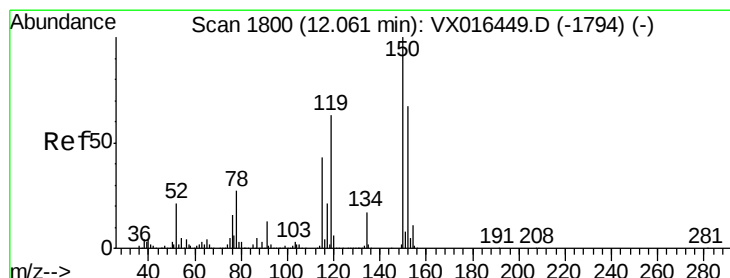
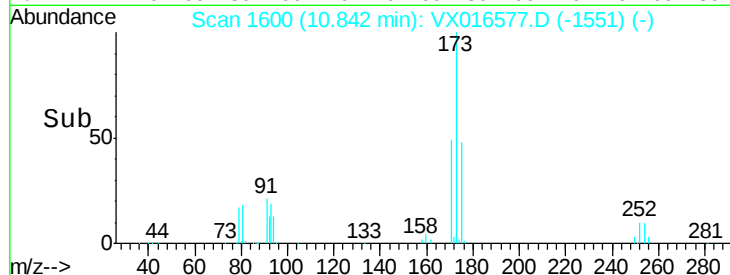
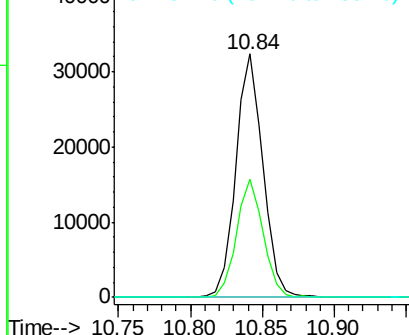
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

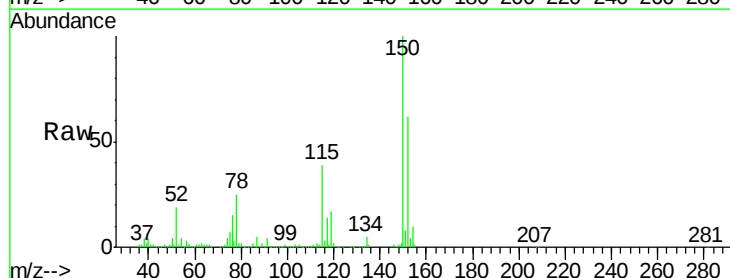
Tgt Ion:152 Resp: 172559

Ion Ratio Lower Upper

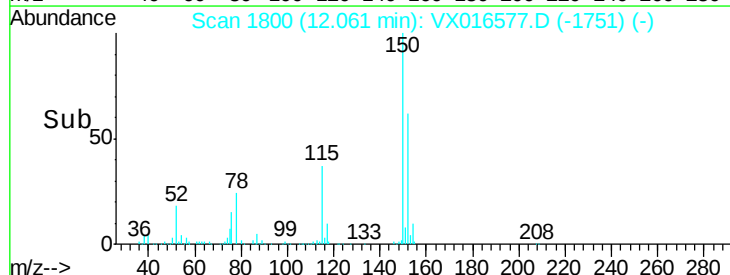
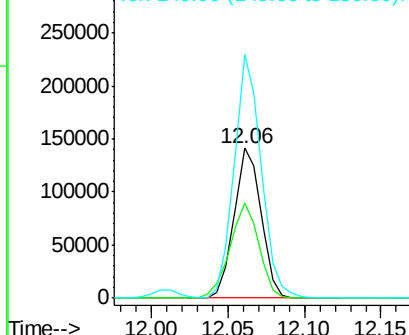
152 100

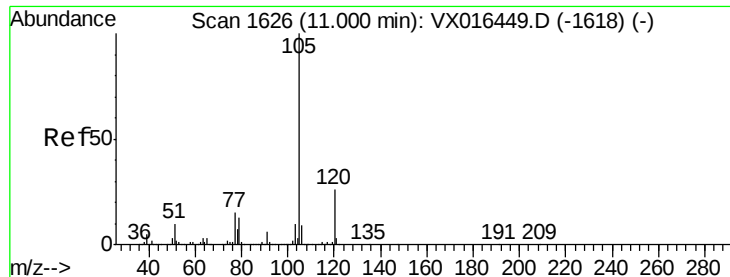
115 68.0 39.9 119.6

150 164.0 0.0 341.0



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





#73

Isopropylbenzene

Concen: 18.462 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 105 Resp: 220734

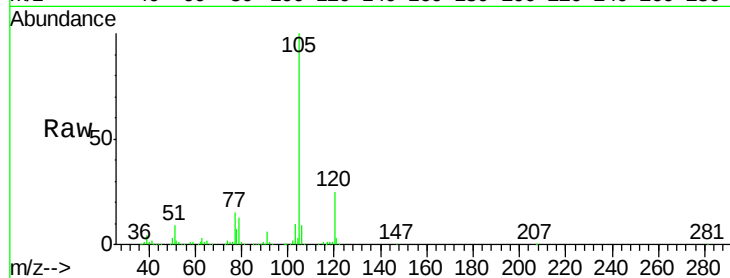
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3

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6/5/2020 10:12:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

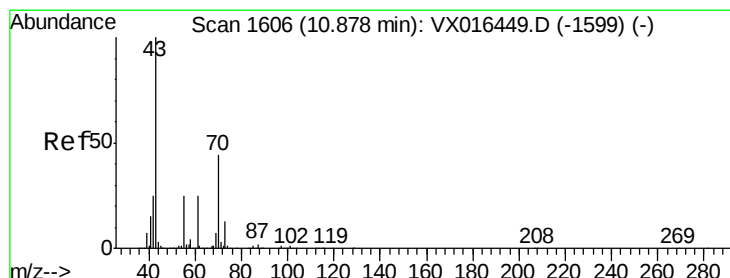
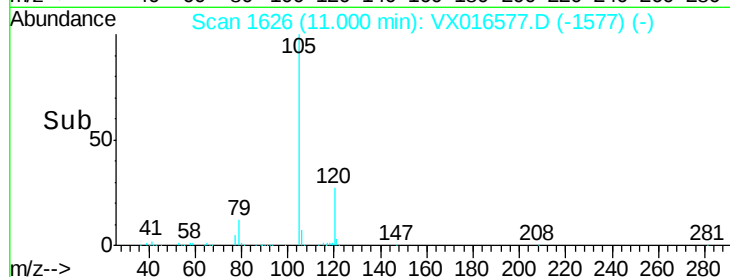
0

11.00

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 16.075 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Tgt Ion: 43 Resp: 88407

Ion Ratio Lower Upper

43 100

70 48.2 36.1 54.1

55 27.5 20.2 30.4

61 26.8 20.3 30.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

80000

60000

40000

20000

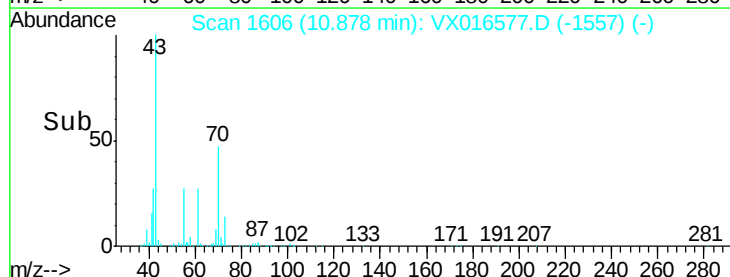
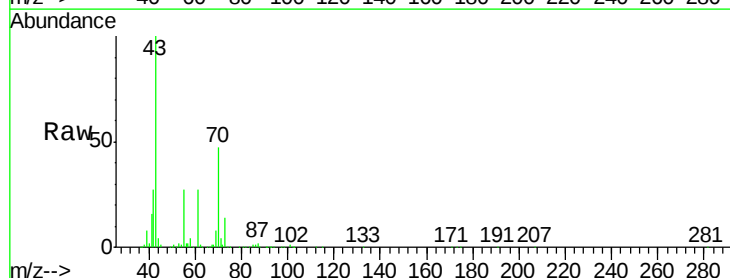
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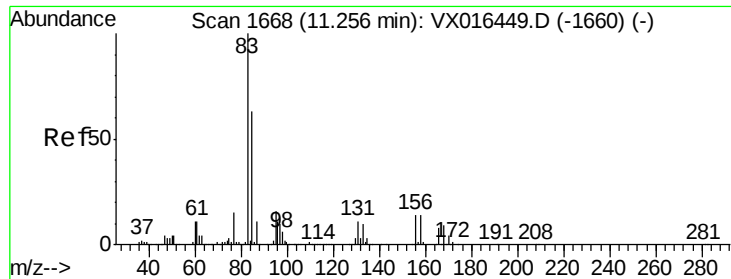
10.88

10.80

10.90

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.042 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

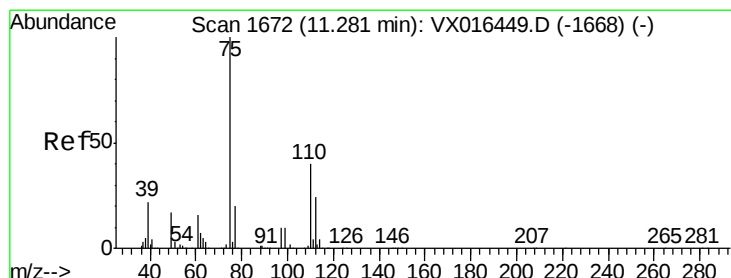
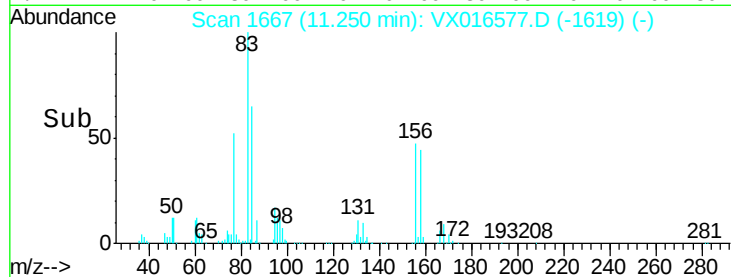
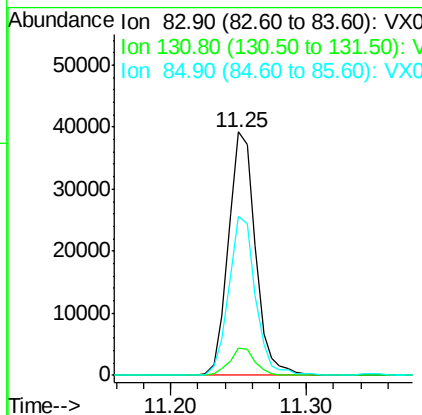
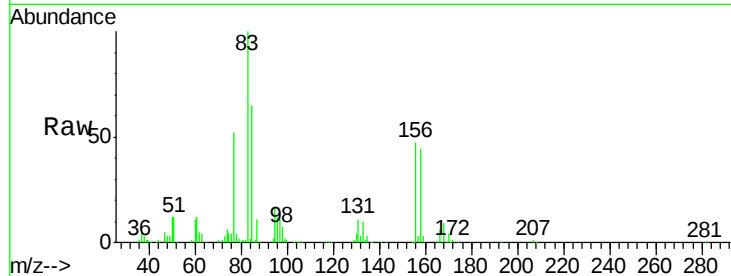
ClientSampled :

VX0604WBS01

Tot Ion:	83	Resp:	54062
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	64.7	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 18.377 ug/l m

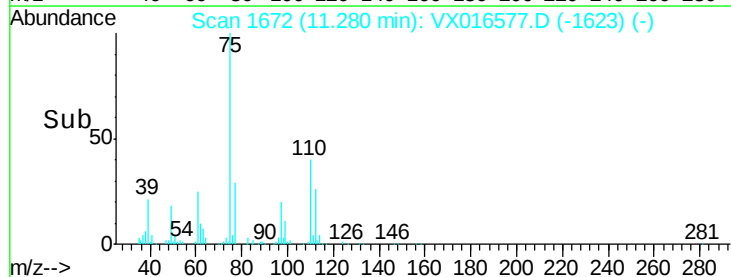
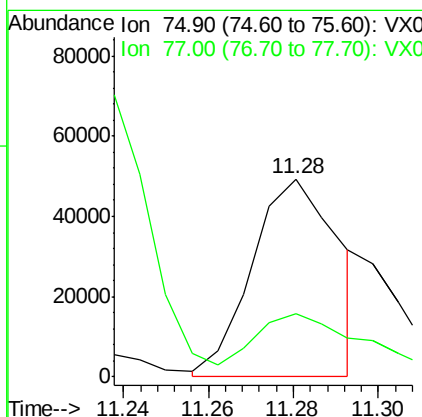
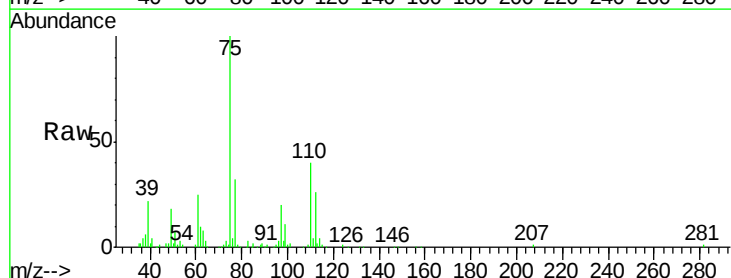
RT: 11.28 min Scan# 1672

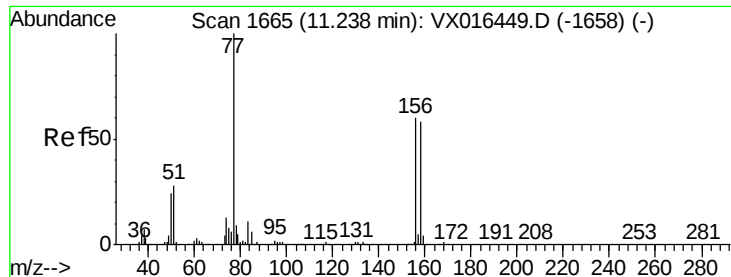
Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Tgt Ion:	75	Resp:	69701
Ion Ratio	Lower	Upper	
75	100		
77	41.1	21.3	63.7





#77

Bromobenzene

Concen: 18.642 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion:156 Resp: 58459

Ion Ratio Lower Upper

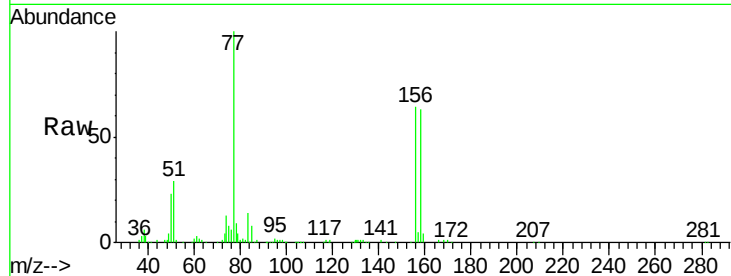
156 100

77 151.9 79.6 238.8

158 93.4 48.1 144.4

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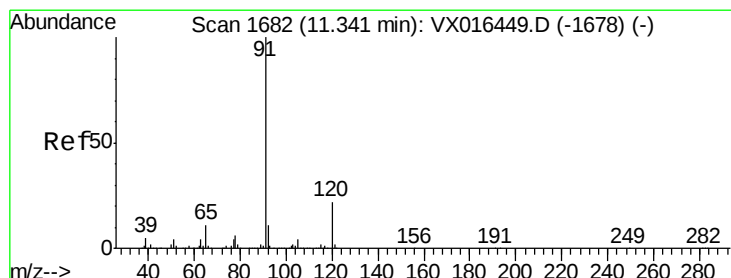
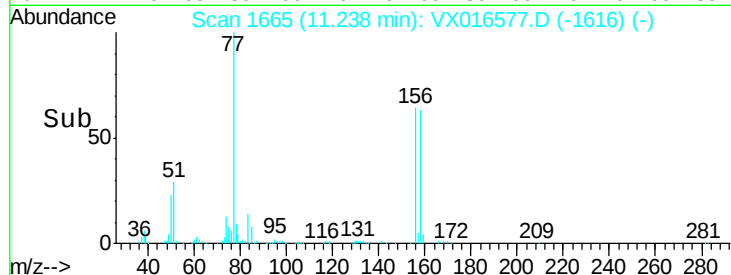
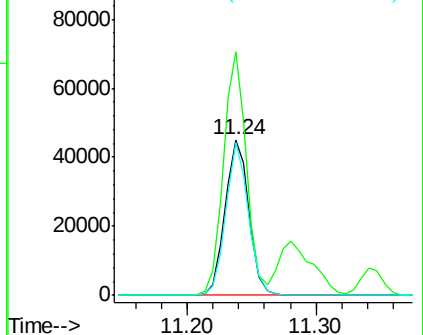
MMDadoda
6/5/2020 10:12:00 AM



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: 18.041 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016577.D

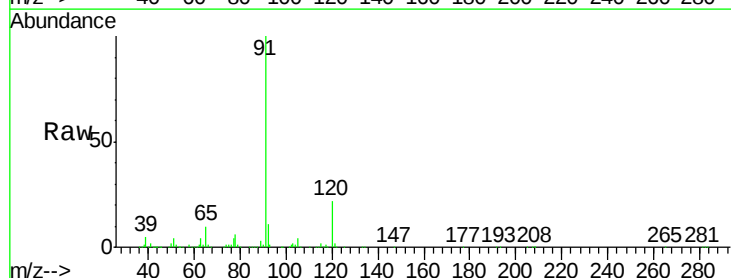
Acq: 04 Jun 2020 11:02

Tgt Ion: 91 Resp: 240986

Ion Ratio Lower Upper

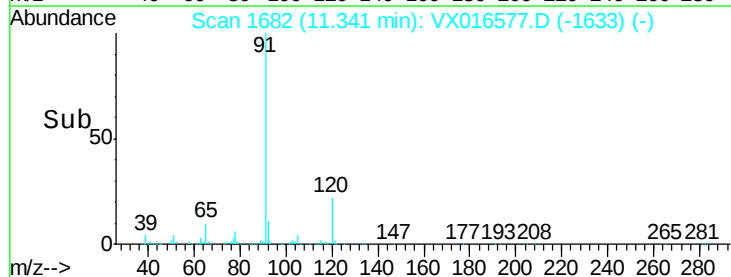
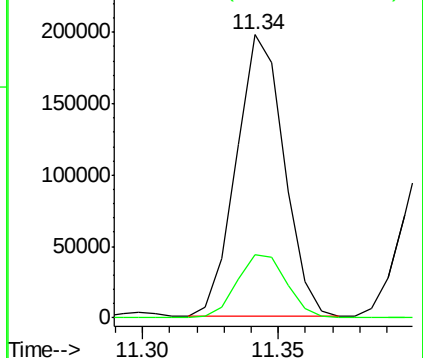
91 100

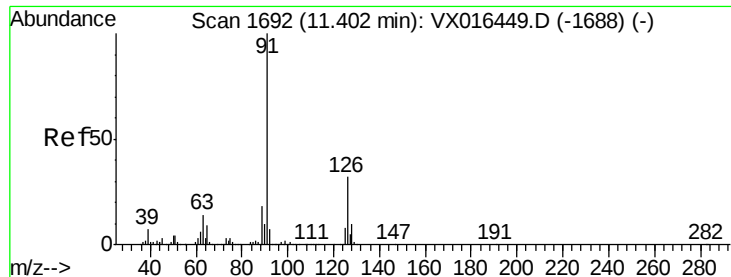
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.942 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 91 Resp: 146288

Ion Ratio Lower Upper

91 100

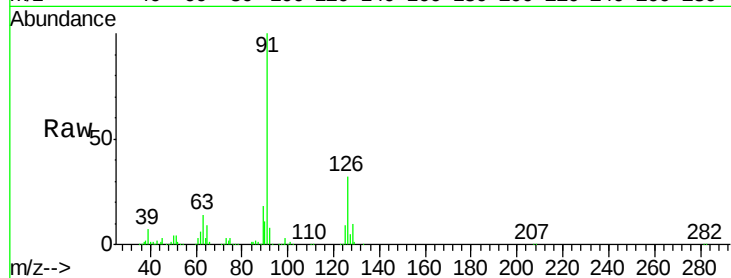
126 33.8 16.8 50.3

Manual Integrations

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

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

200000

150000

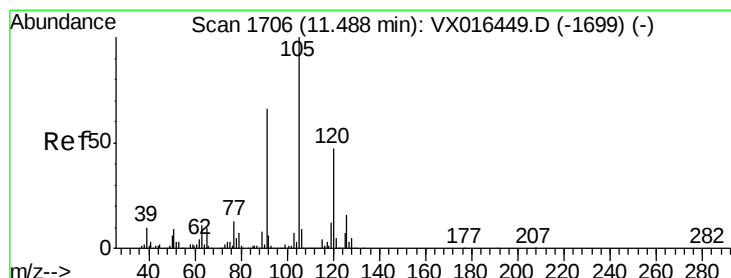
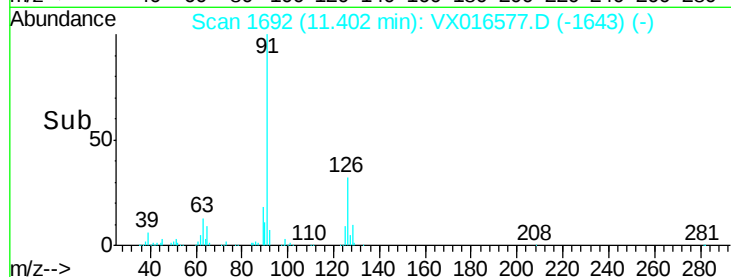
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.216 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX016577.D

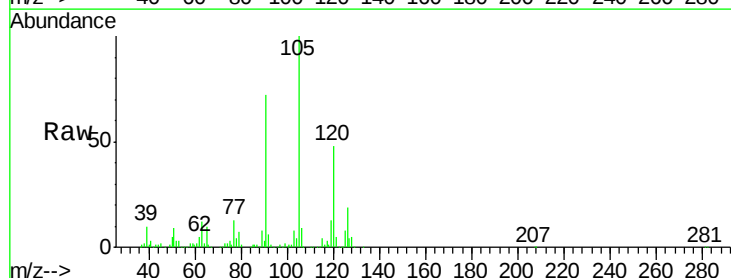
Acq: 04 Jun 2020 11:02

Tgt Ion: 105 Resp: 181859

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8



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

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

150000

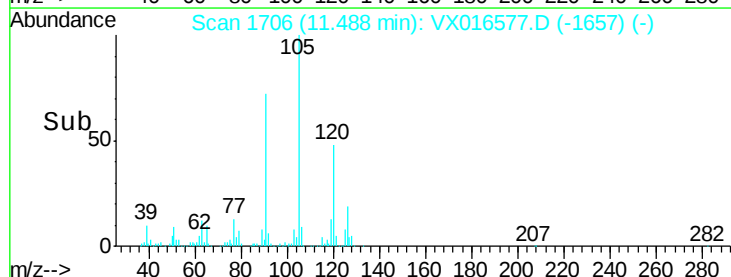
100000

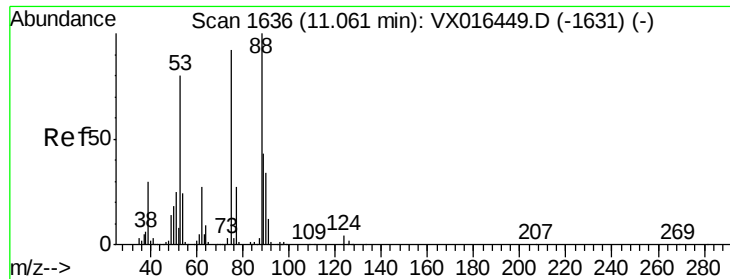
50000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.045 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

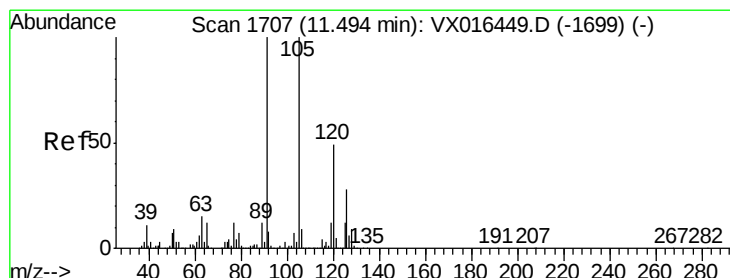
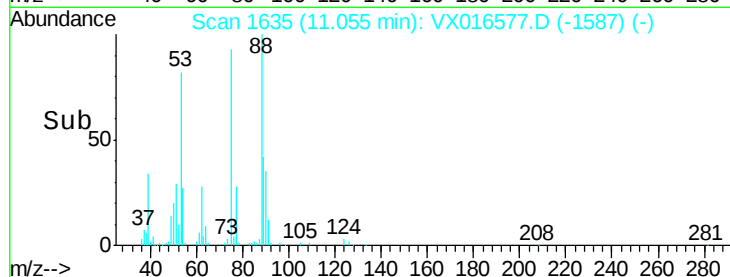
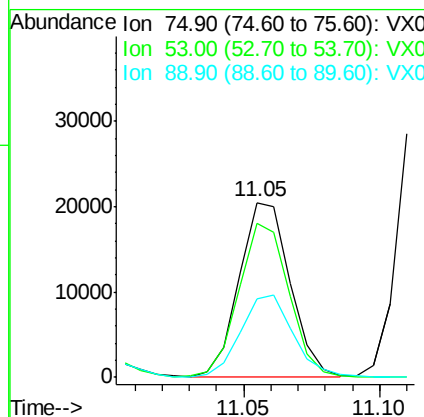
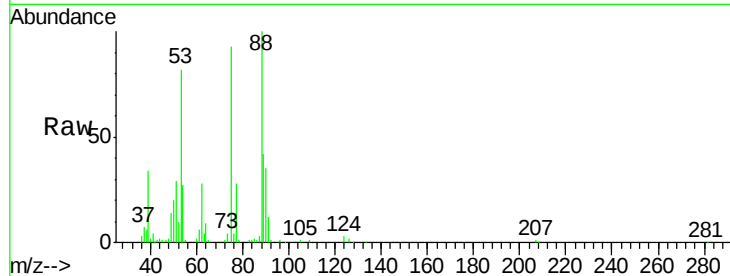
ClientSampleId :

VX0604WBS01

Tot Ion:	75	Resp:	26283
Ion	Ratio	Lower	Upper
75	100		
53	88.1	71.3	106.9
89	49.5	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.023 ug/l

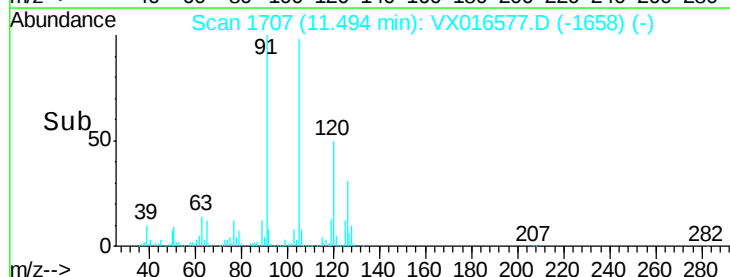
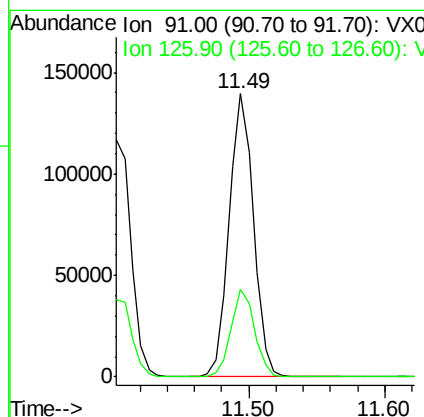
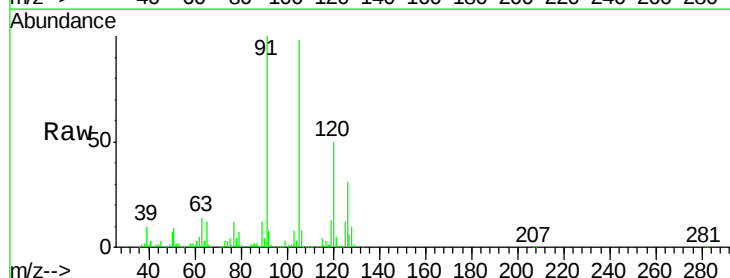
RT: 11.49 min Scan# 1707

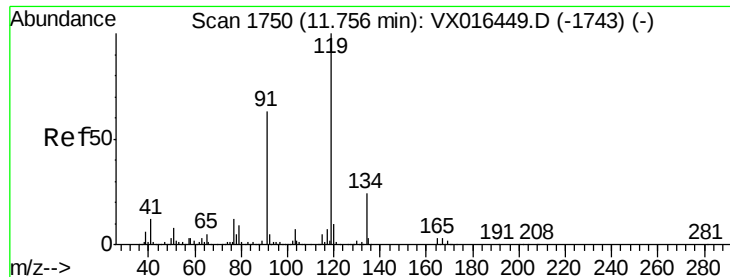
Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Tgt Ion:	91	Resp:	173532
Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.7	44.1





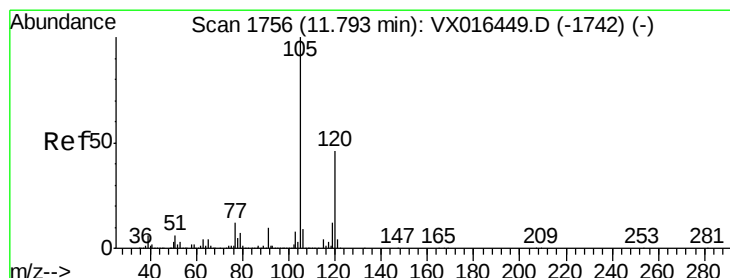
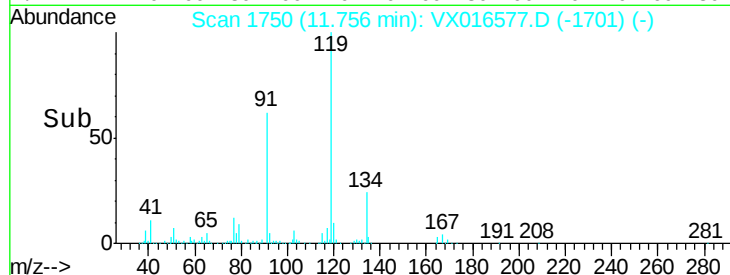
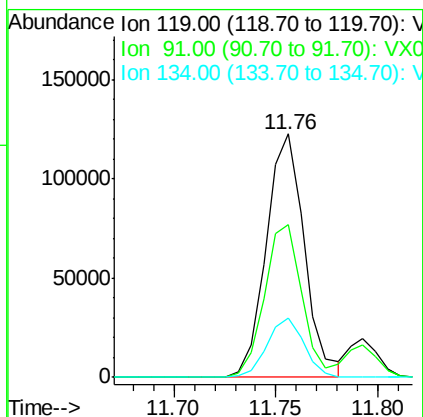
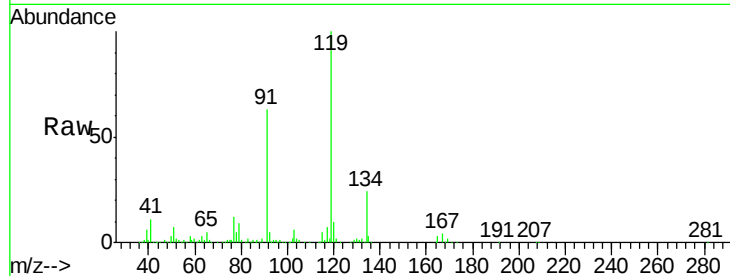
#83
 tert-Butylbenzene
 Concen: 18.710 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	159600		
91	61.4	31.3	93.8	
134	23.5	12.0	36.0	

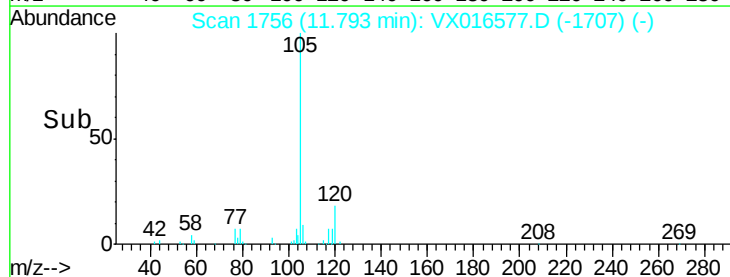
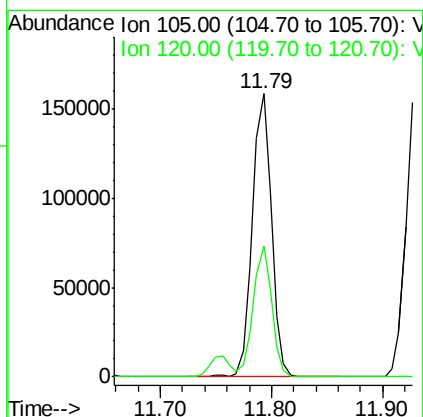
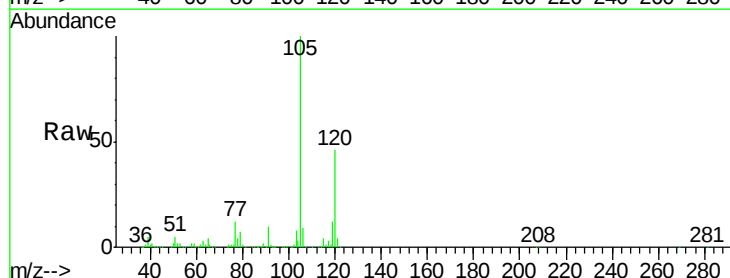
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.781 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	189618		
120	44.6	22.6	67.7	





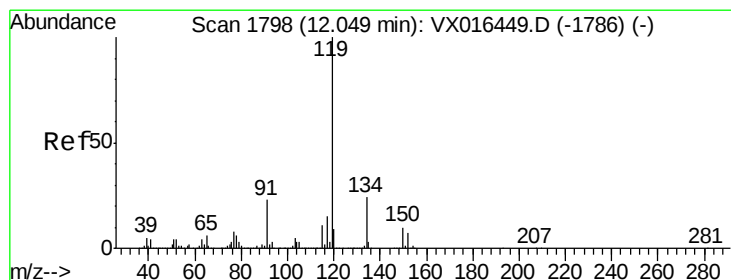
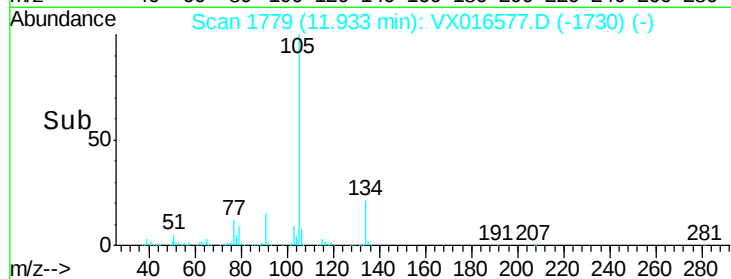
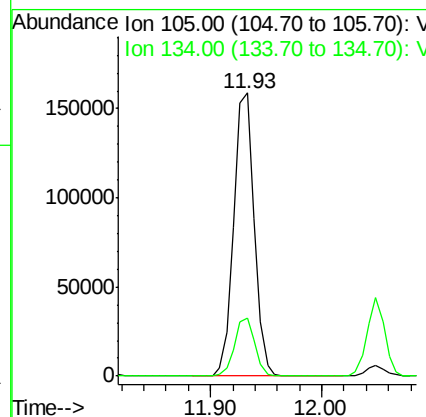
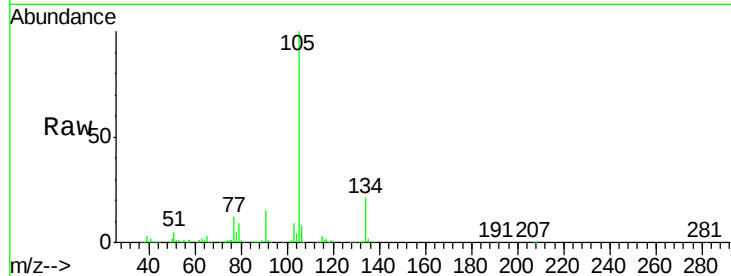
#85
 sec-Butylbenzene
 Concen: 18.896 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.3

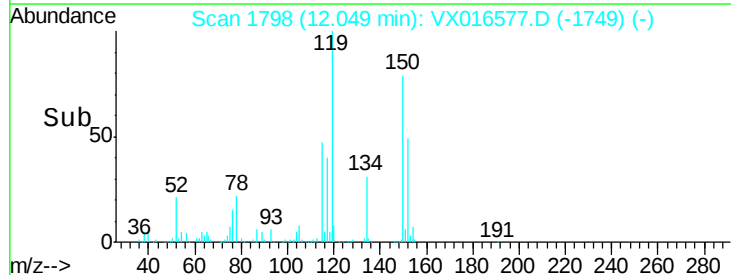
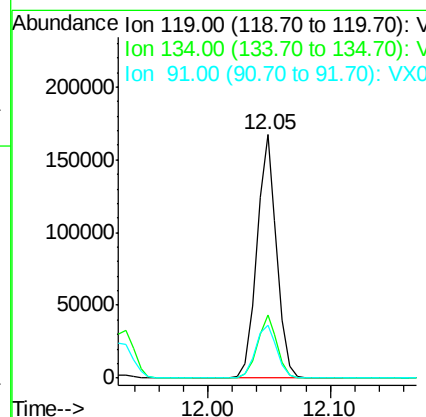
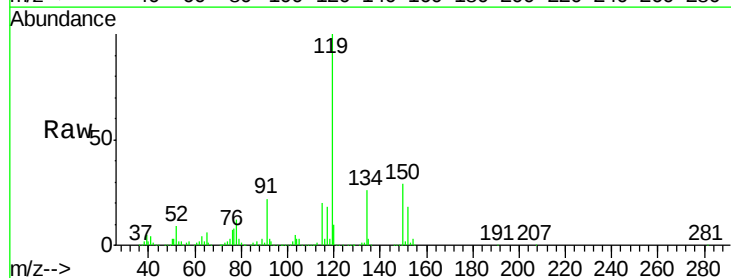
Manual Integrations
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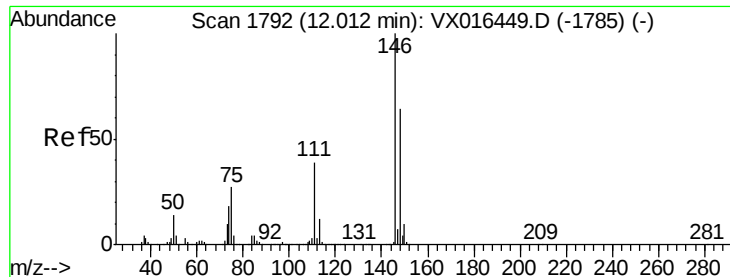
MMDadoda
 6/5/2020 10:12:00 AM



#86
 p-Isopropyltoluene
 Concen: 18.692 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.7	38.0
91	23.8	11.7	35.0





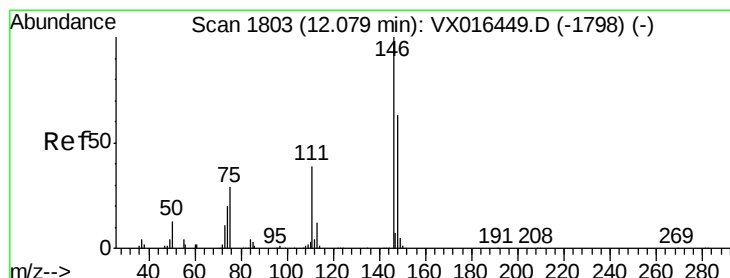
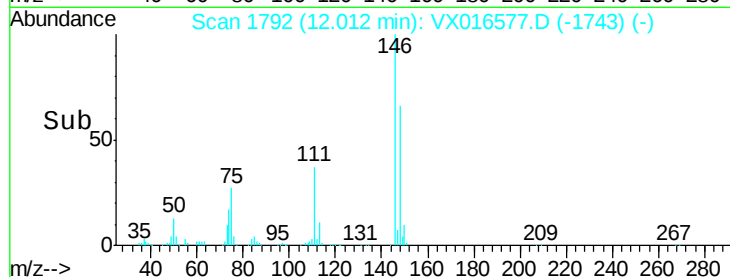
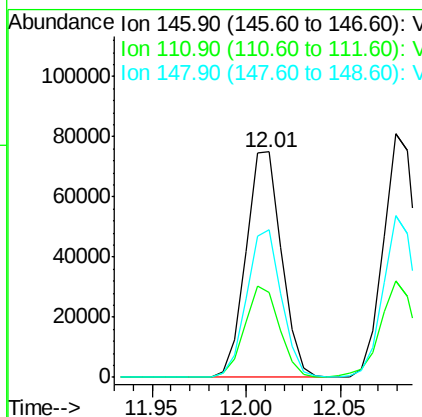
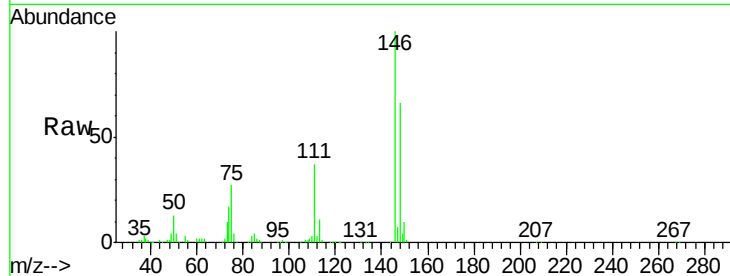
#87
 1,3-Dichlorobenzene
 Concen: 18.104 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0604WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	63.9	31.9	95.5

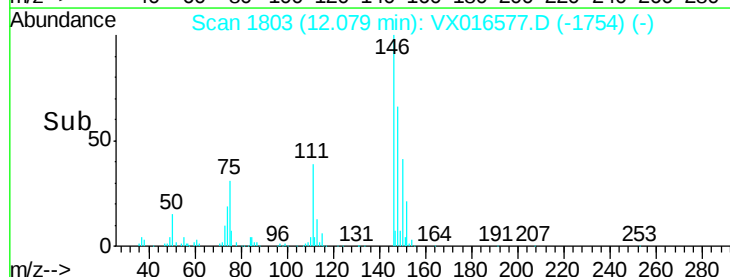
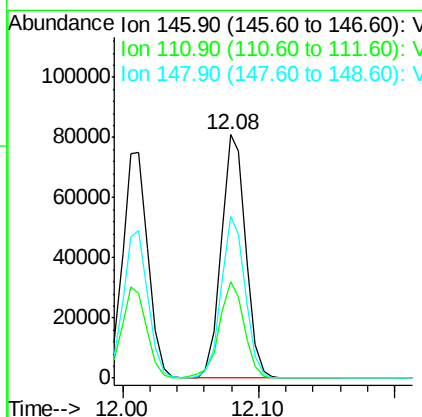
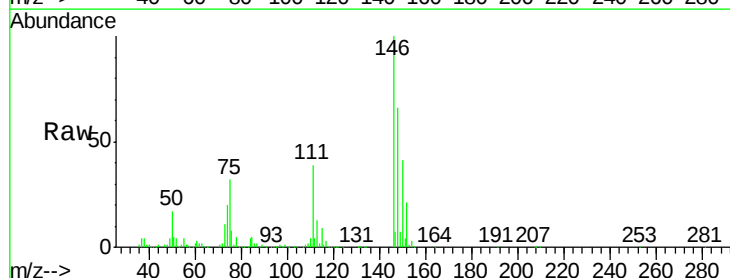
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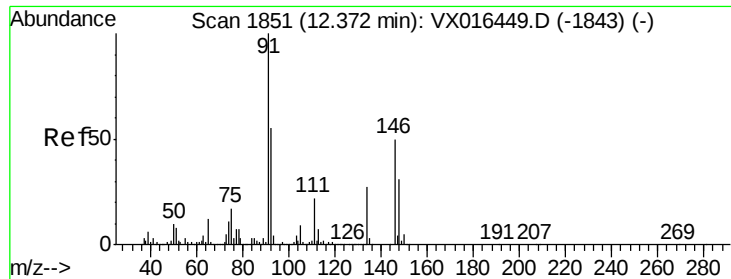
MMDadoda
 6/5/2020 10:12:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.041 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.4	58.2
148	65.3	31.4	94.3





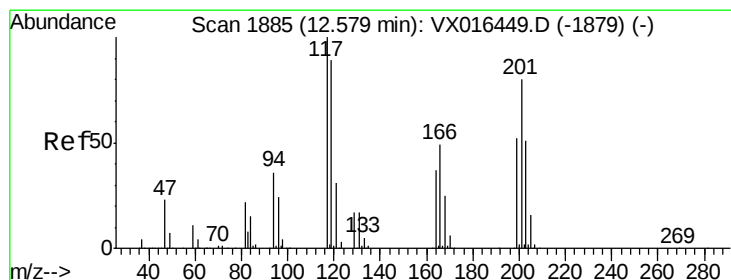
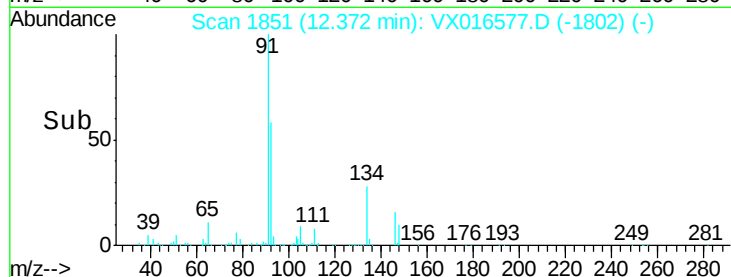
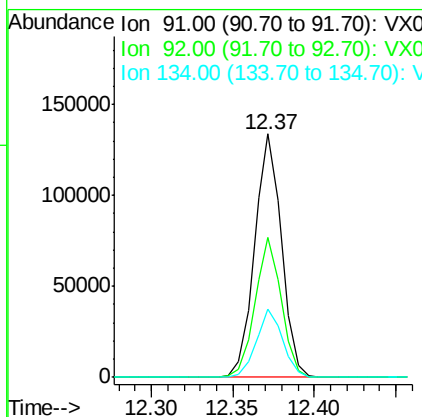
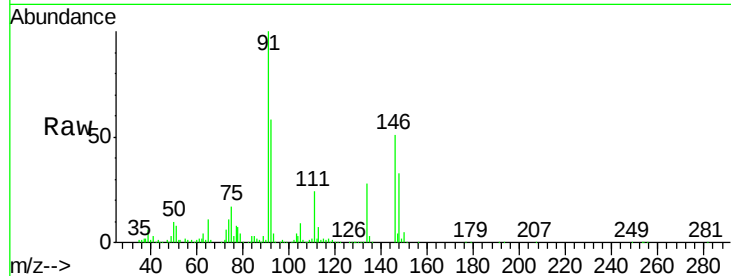
#89
n-Butylbenzene
Concen: 18.377 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.1	27.2	81.5
134	27.3	13.1	39.3

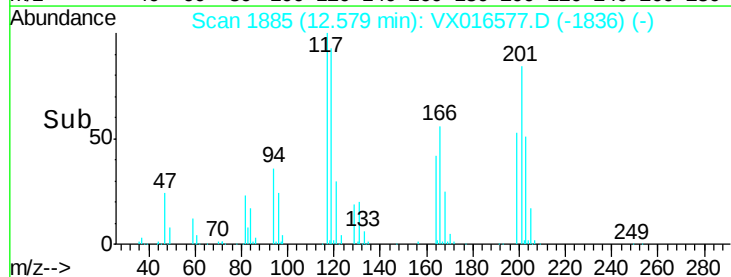
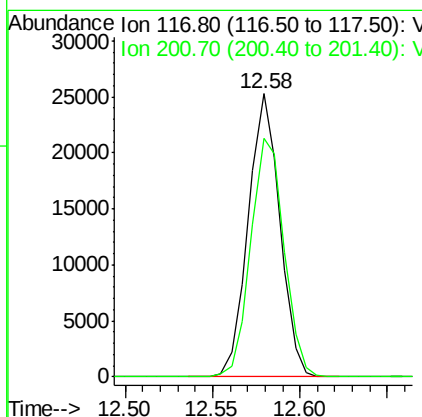
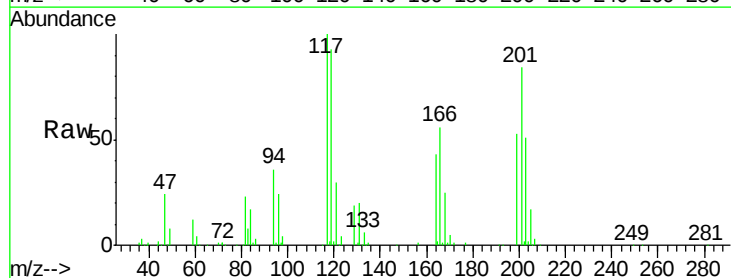
Manual Integrations
APPROVED

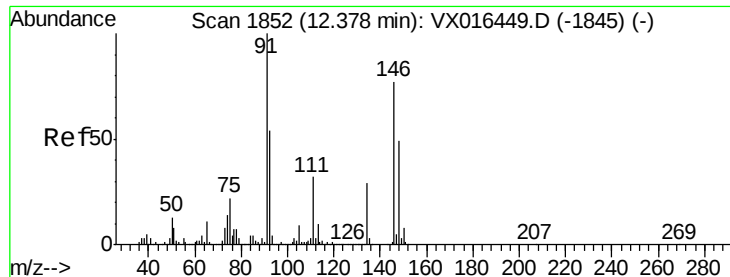
MMDadoda
6/5/2020 10:12:00 AM



#90
Hexachloroethane
Concen: 18.323 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016577.D
Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	43.1	129.3





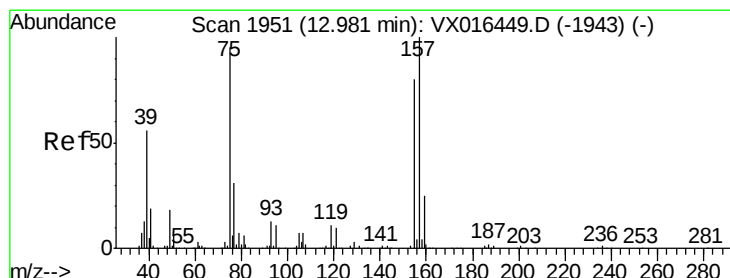
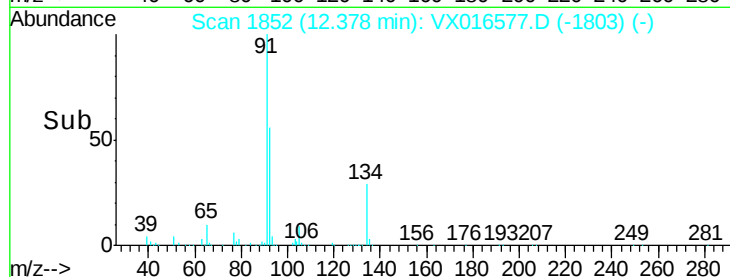
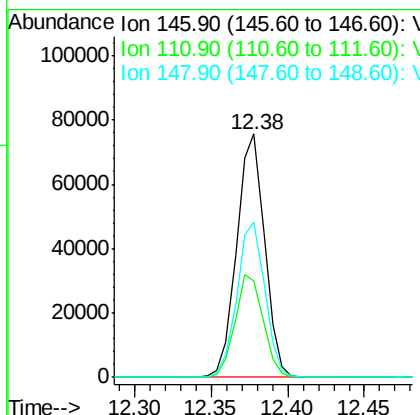
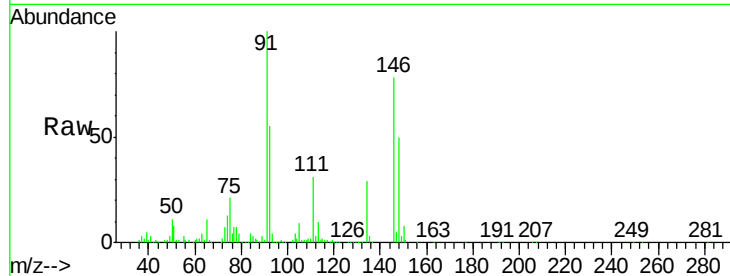
#91
 1,2-Dichlorobenzene
 Concen: 18.172 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0604WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	63.8	31.9	95.7

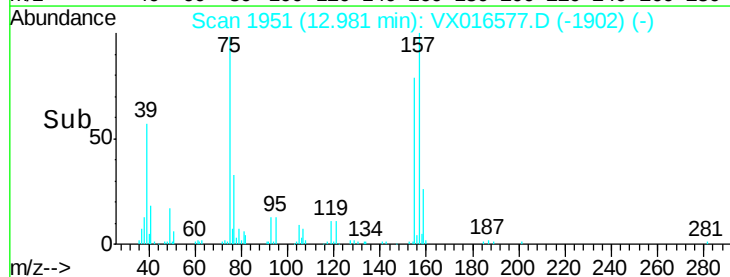
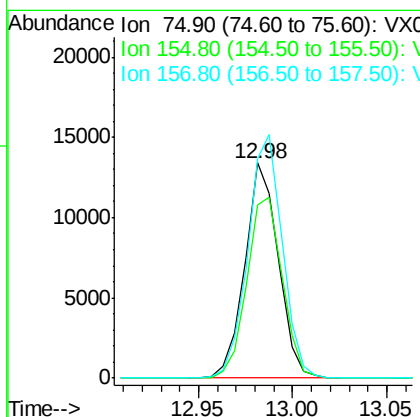
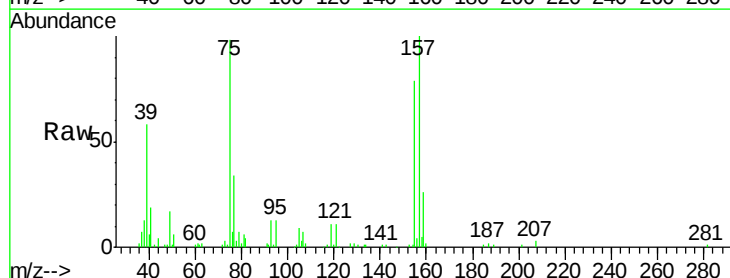
Manual Integrations
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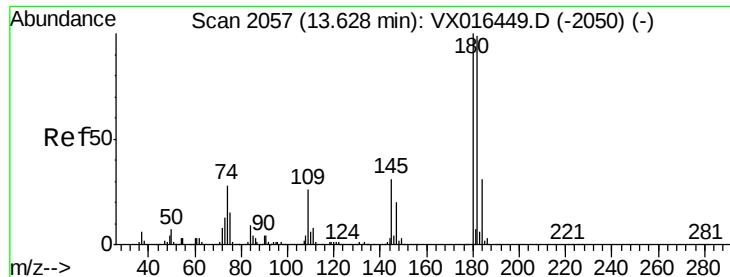
MMDadoda
 6/5/2020 10:12:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.994 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	44.1	132.4
157	116.3	57.8	173.3





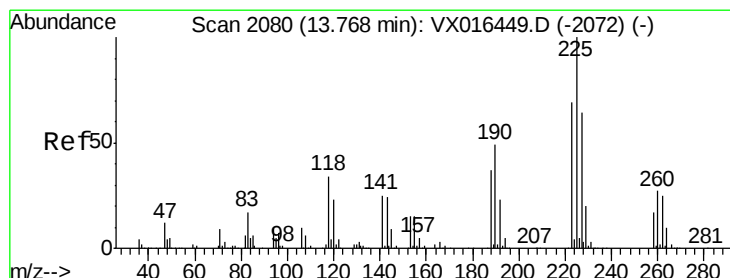
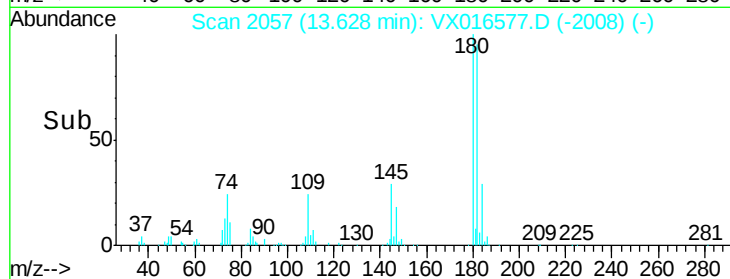
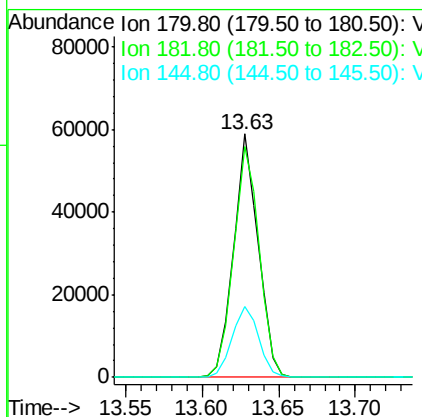
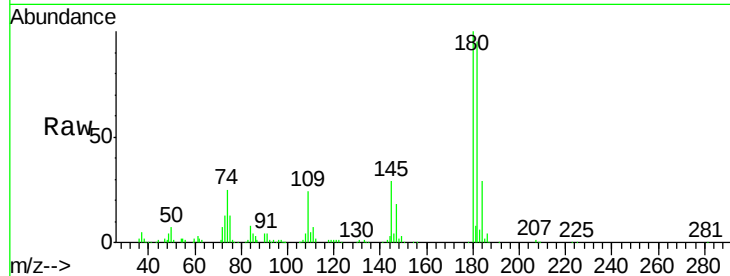
#93
 1,2,4-Trichlorobenzene
 Concen: 18.774 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65629		
182	98.9	48.3	144.8	
145	31.7	15.4	46.2	

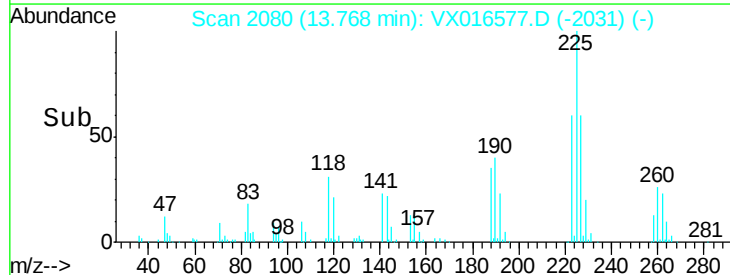
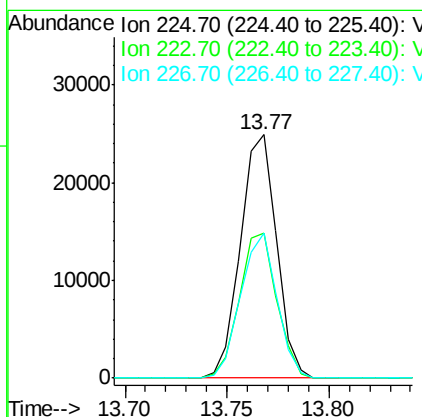
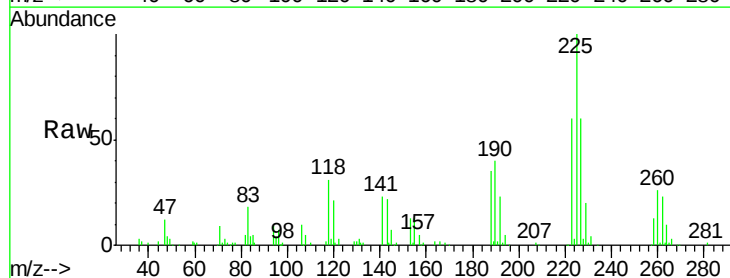
Manual Integrations
 APPROVED

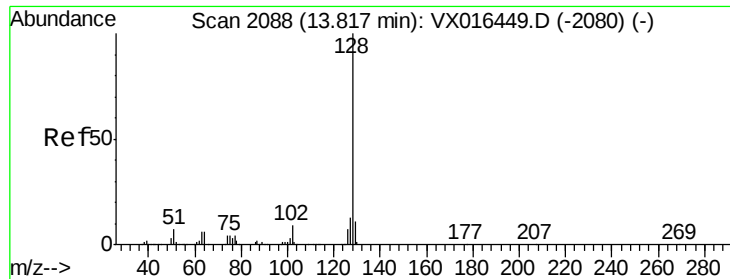
MMDadoda
 6/5/2020 10:12:00 AM



#94
 Hexachlorobutadiene
 Concen: 22.363 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016577.D
 Acq: 04 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30694		
223	61.2	32.3	96.8	
227	59.9	31.6	94.7	





#95

Naphthalene

Concen: 17.764 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Instrument :

MSVOA_X

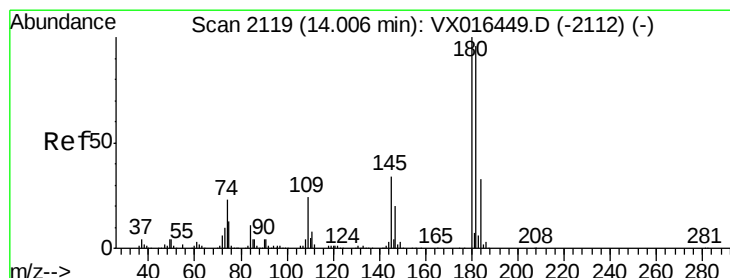
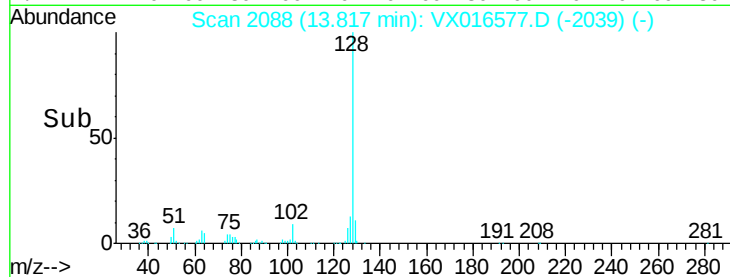
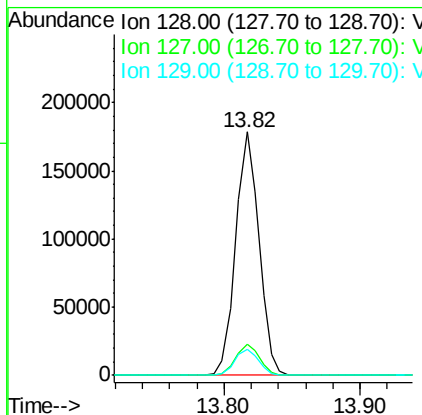
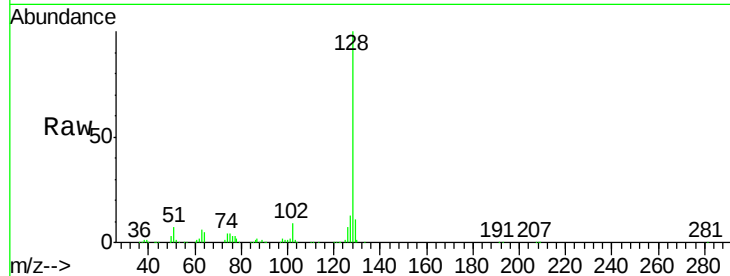
ClientSampleId :

VX0604WBS01

Tot Ion:	128	Resp:	212878
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2020 10:12:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.023 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016577.D

Acq: 04 Jun 2020 11:02

Tgt Ion:	180	Resp:	65149
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.6	145.8
145	33.7	16.6	49.8

