

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016799.D
 Acq On : 17 Jun 2020 00:11
 Operator : JC/SP
 Sample : VX0616WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 9:35:10 AM

Quant Time: Jun 17 06:49:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	288516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	448350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	419966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	163230	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	5.47	113	137724	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	8.70	98	531540	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.12	95	199140	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	62828	19.365	ug/l	98
3) Chloromethane	1.31	50	59731	18.965	ug/l	98
4) Vinyl Chloride	1.39	62	69298	20.620	ug/l	98
5) Bromomethane	1.63	94	46662	22.357	ug/l	99
6) Chloroethane	1.71	64	47040	22.723	ug/l	93
7) Trichlorofluoromethane	1.92	101	101231	20.915	ug/l	94
8) Diethyl Ether	2.17	74	40194	20.336	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51484	20.907	ug/l	99
10) Methyl Iodide	2.49	142	44380	14.419	ug/l	98
11) Tert butyl alcohol	3.01	59	76935	94.367	ug/l	100
12) 1,1-Dichloroethene	2.36	96	54951	19.487	ug/l	97
13) Acrolein	2.27	56	31610	92.526	ug/l	98
14) Allyl chloride	2.71	41	89200	20.225	ug/l	95
15) Acrylonitrile	3.12	53	158205	95.631	ug/l	99
16) Acetone	2.42	43	143961	97.795	ug/l	98
17) Carbon Disulfide	2.55	76	156407	19.367	ug/l	100
18) Methyl Acetate	2.75	43	84095	21.403	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	179899	18.718	ug/l	96
20) Methylene Chloride	2.83	84	62548	19.726	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	56536	18.657	ug/l	98
22) Diisopropyl ether	3.82	45	160330	19.354	ug/l	98
23) Vinyl Acetate	3.78	43	680897	95.094	ug/l	100
24) 1,1-Dichloroethane	3.67	63	96425	18.610	ug/l	98
25) 2-Butanone	4.64	43	214975	96.899	ug/l	97
26) 2,2-Dichloropropane	4.56	77	70726	14.742	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	63525	18.341	ug/l	98
28) Bromochloromethane	4.98	49	45806	20.724	ug/l	99
29) Tetrahydrofuran	5.09	42	140383	97.678	ug/l	98
30) Chloroform	5.18	83	100567	18.346	ug/l	96
31) Cyclohexane	5.55	56	82128	20.106	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	92439	18.584	ug/l	99
36) 1,1-Dichloropropene	5.77	75	73786	18.623	ug/l	97
37) Ethyl Acetate	4.79	43	82353	18.979	ug/l	98
38) Carbon Tetrachloride	5.76	117	81702	18.157	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
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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	83354	18.749	ug/l	97
40) Benzene	6.12	78	227054	18.821	ug/l	100
41) Methacrylonitrile	5.01	41	44473	19.223	ug/l	99
42) 1,2-Dichloroethane	6.17	62	77666	17.639	ug/l	98
43) Isopropyl Acetate	6.42	43	129292	19.012	ug/l	99
44) Trichloroethene	7.19	130	76209	20.423	ug/l	99
45) 1,2-Dichloropropane	7.49	63	56450	19.089	ug/l	100
46) Dibromomethane	7.64	93	40096	18.603	ug/l	99
47) Bromodichloromethane	7.87	83	81447	18.126	ug/l	95
48) Methyl methacrylate	7.74	41	60618	18.807	ug/l	99
49) 1,4-Dioxane	7.71	88	31062	389.420	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	412274	98.382	ug/l	100
52) Toluene	8.77	92	147085	18.771	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	89563	17.647	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	95163	17.976	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	59535	18.892	ug/l	97
56) Ethyl methacrylate	9.16	69	90945	19.275	ug/l	98
57) 1,3-Dichloropropane	9.35	76	99247	18.736	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	224270	96.673	ug/l	100
59) 2-Hexanone	9.47	43	318737	98.529	ug/l	100
60) Dibromochloromethane	9.57	129	68878	18.494	ug/l	100
61) 1,2-Dibromoethane	9.65	107	64465	18.770	ug/l	96
64) Tetrachloroethene	9.32	164	81790	20.281	ug/l	98
65) Chlorobenzene	10.12	112	160112	18.789	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	61903	18.210	ug/l	98
67) Ethyl Benzene	10.24	91	273692	18.999	ug/l	98
68) m/p-Xylenes	10.34	106	209559	38.366	ug/l	99
69) o-Xylene	10.68	106	101917	19.368	ug/l	98
70) Styrene	10.70	104	175925	19.340	ug/l	99
71) Bromoform	10.84	173	53819	18.555	ug/l #	99
73) Isopropylbenzene	11.00	105	271507	19.579	ug/l	99
74) N-amyl acetate	10.88	43	106662	19.790	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	75927	18.613	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	90965m	20.468	ug/l	
77) Bromobenzene	11.24	156	80192	20.481	ug/l	99
78) n-propylbenzene	11.34	91	314920	20.912	ug/l	99
79) 2-Chlorotoluene	11.40	91	192821	20.248	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	228557	19.662	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	29170	16.523	ug/l	97
82) 4-Chlorotoluene	11.49	91	218110	19.567	ug/l	100
83) tert-Butylbenzene	11.76	119	205195	19.291	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	227263	19.326	ug/l	99
85) sec-Butylbenzene	11.93	105	244266	19.632	ug/l	100
86) p-Isopropyltoluene	12.05	119	233628	19.570	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	126215	19.067	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	127911	18.633	ug/l	99
89) n-Butylbenzene	12.37	91	188120	19.089	ug/l	100
90) Hexachloroethane	12.58	117	40528	18.410	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	123432	18.646	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	20743	18.184	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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ClientSampleId :
VX0616WBSD02

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	86941	18.755	ug/l	99
94) Hexachlorobutadiene	13.76	225	39226	19.484	ug/l	98
95) Naphthalene	13.82	128	284403	19.583	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	88838	19.470	ug/l	100

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

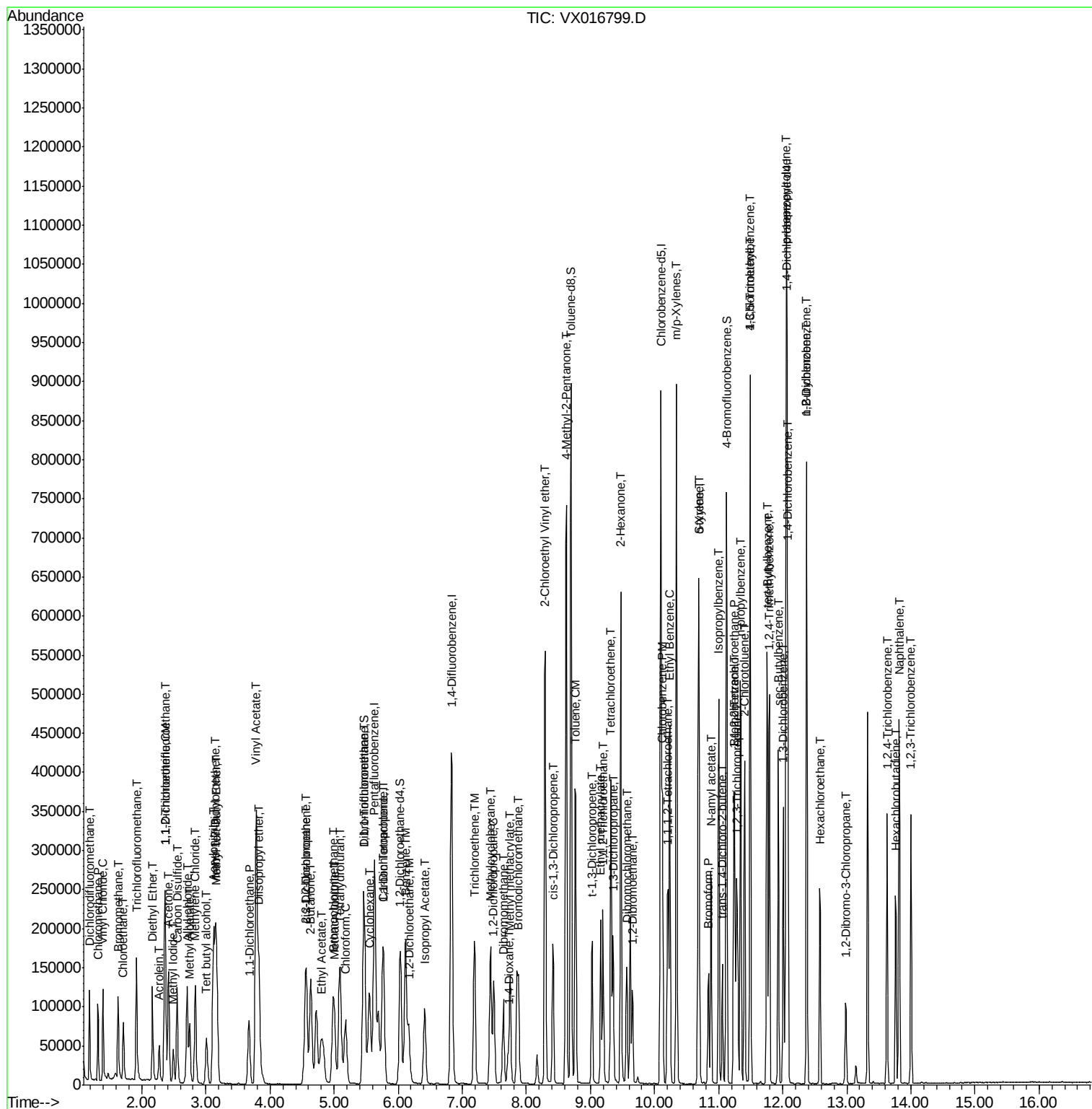
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Data File : VX016799.D
Acq On : 17 Jun 2020 00:11
Operator : JC/SP
Sample : VX0616WBSD02
Misc : 5.0mL/MSVOA X/WATER
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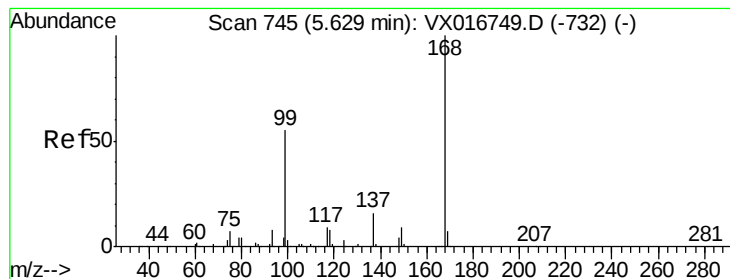
Instrument :
MSVOA_X
ClientSampleID :
VX0616WBSD02

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion:168 Resp: 288516

Ion Ratio Lower Upper

168 100

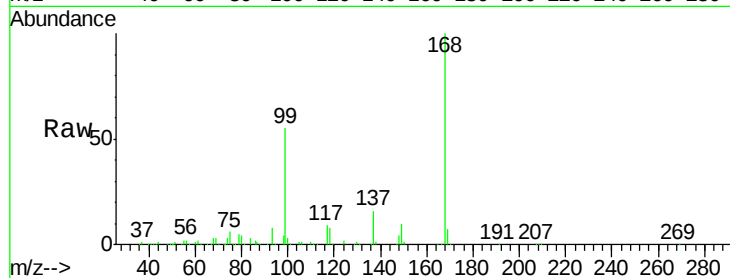
99 55.0 43.8 65.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

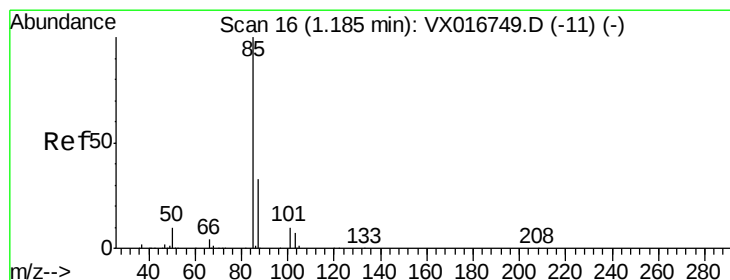
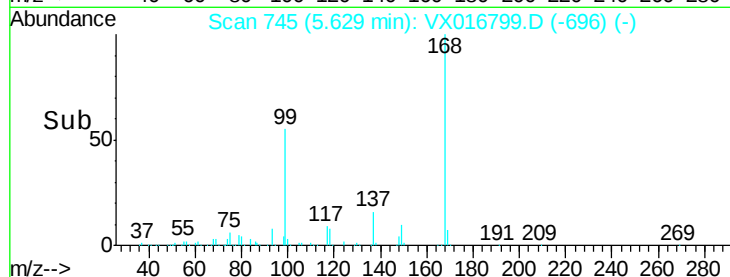
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.365 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016799.D

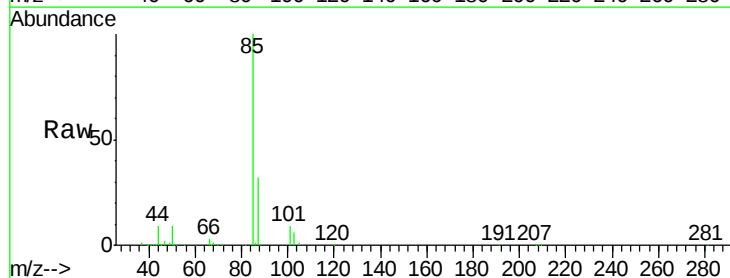
Acq: 17 Jun 2020 00:11

Tgt Ion: 85 Resp: 62828

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

80000

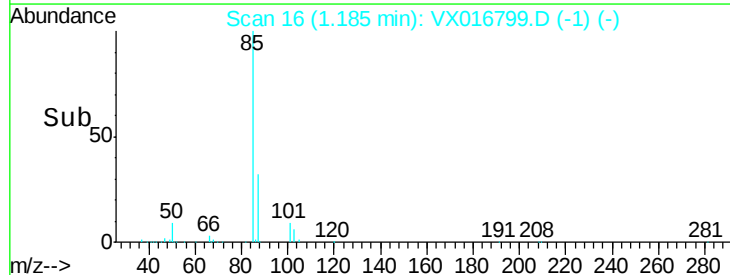
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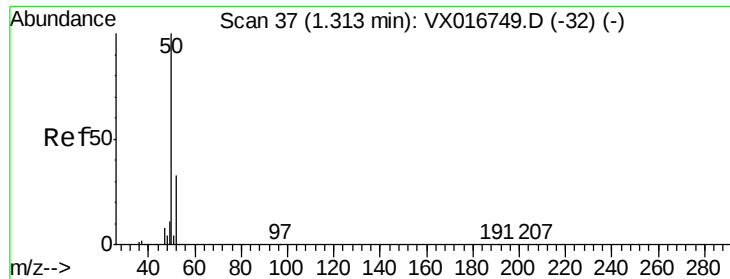
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20000

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Time-->





#3

Chloromethane

Concen: 18.965 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 50 Resp: 59731

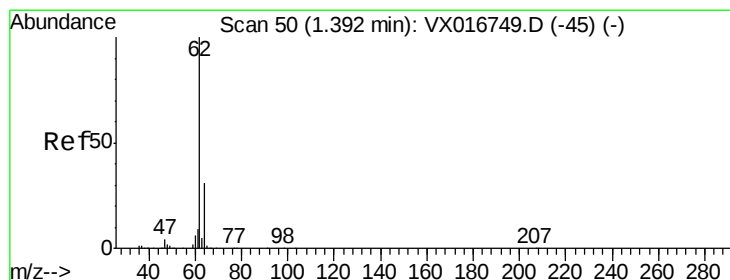
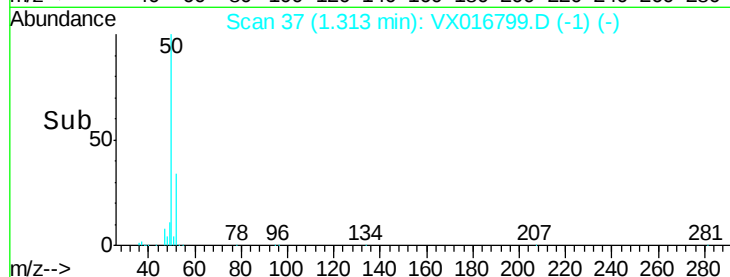
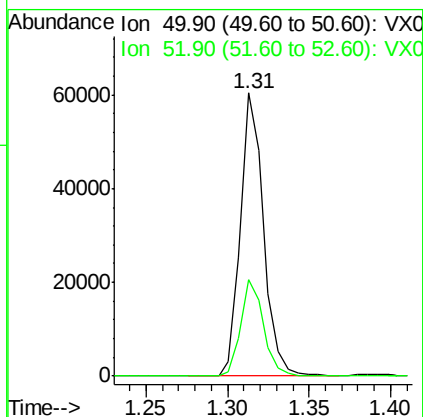
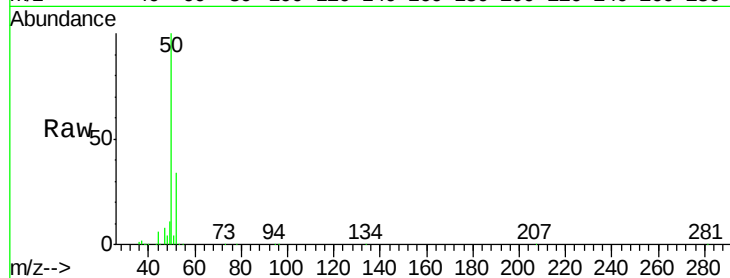
Ion Ratio Lower Upper

50 100

52 34.0 26.5 39.7

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#4

Vinyl Chloride

Concen: 20.620 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016799.D

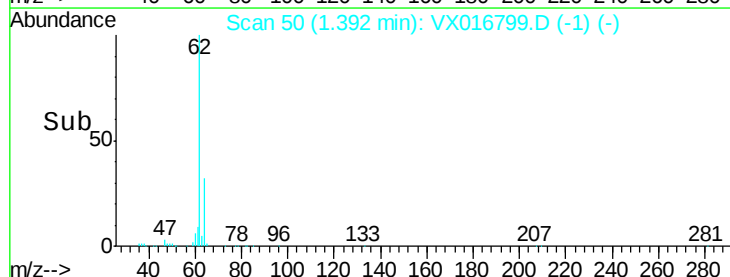
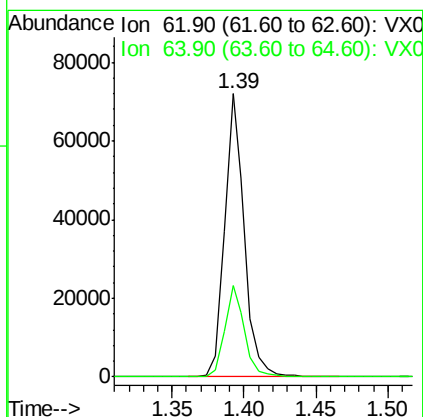
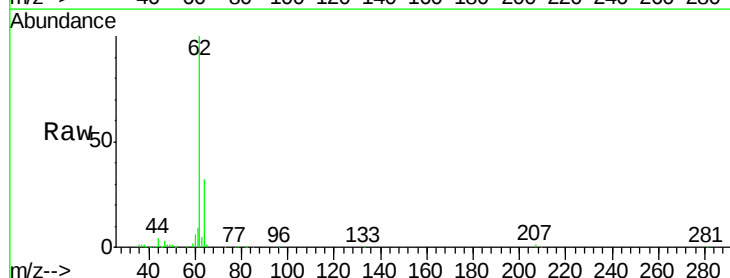
Acq: 17 Jun 2020 00:11

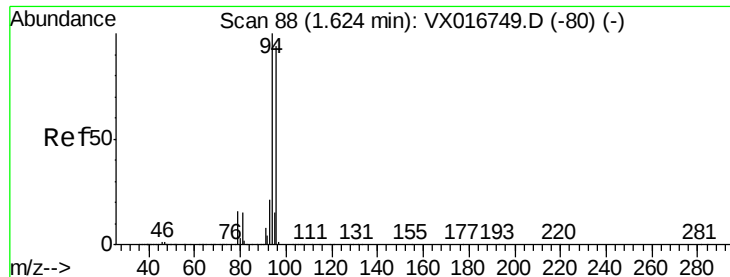
Tgt Ion: 62 Resp: 69298

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 22.357 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 94 Resp: 46662

Ion Ratio Lower Upper

94 100

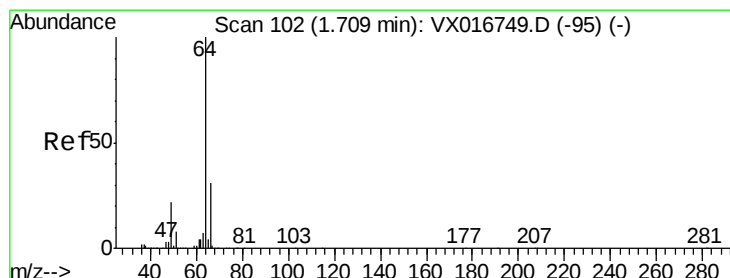
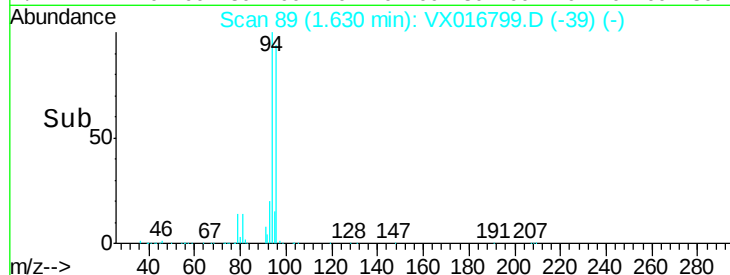
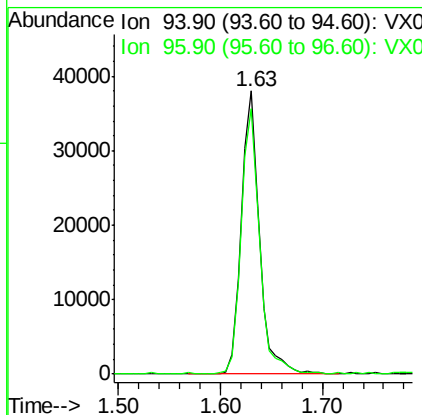
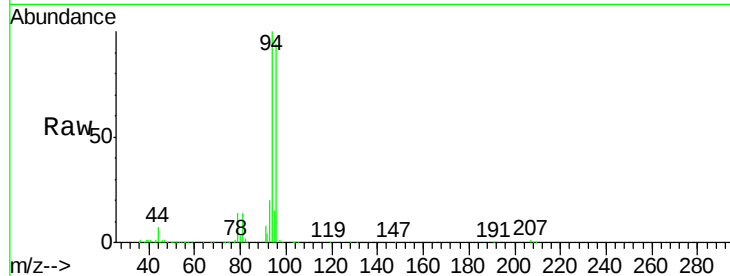
96 93.2 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 22.723 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX016799.D

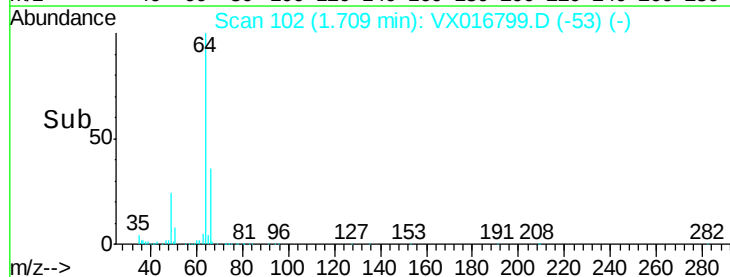
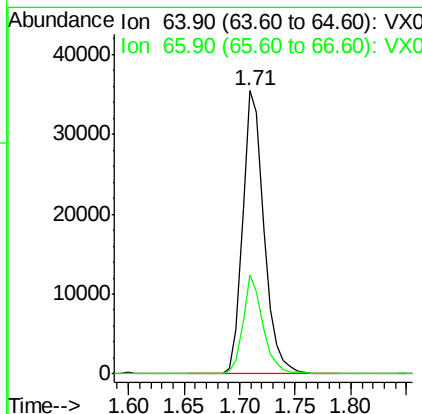
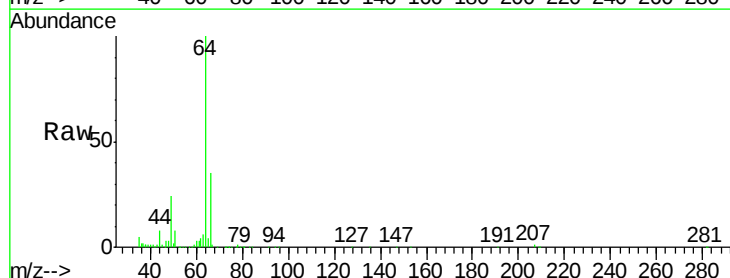
Acq: 17 Jun 2020 00:11

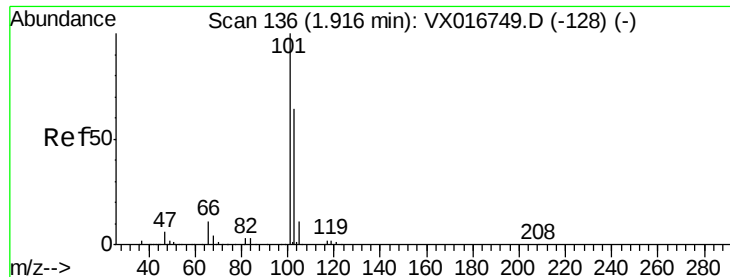
Tgt Ion: 64 Resp: 47040

Ion Ratio Lower Upper

64 100

66 34.9 25.0 37.6





#7

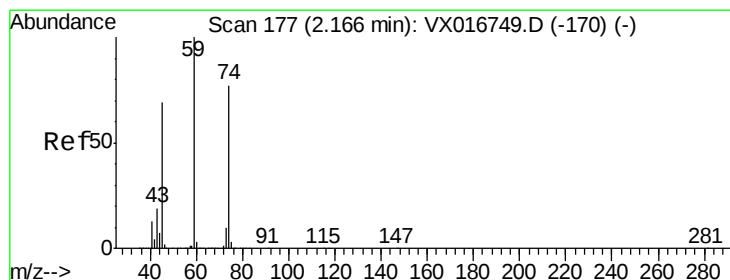
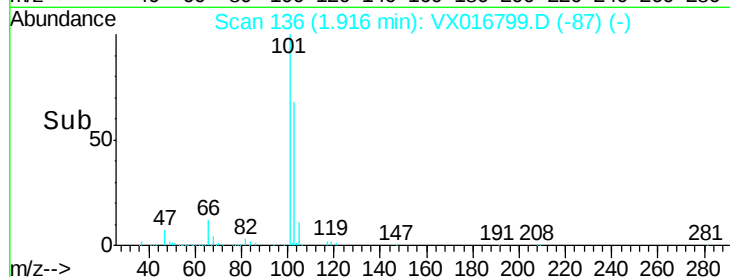
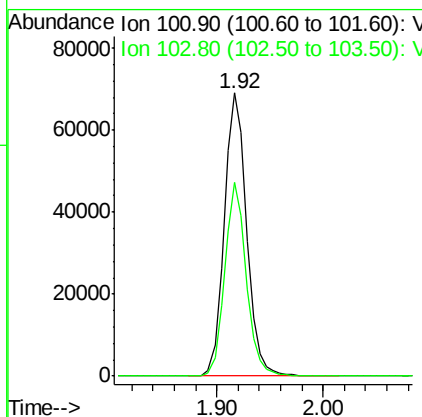
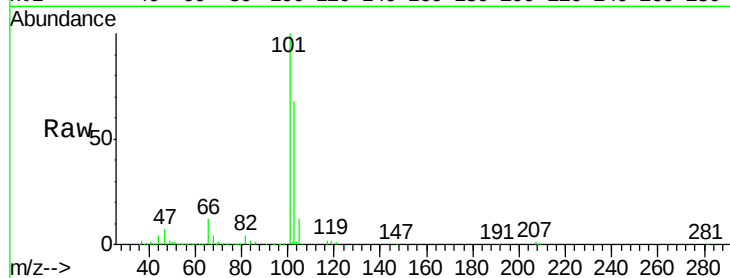
Trichlorofluoromethane
Concen: 20.915 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
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ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	51.3	76.9

Manual Integrations
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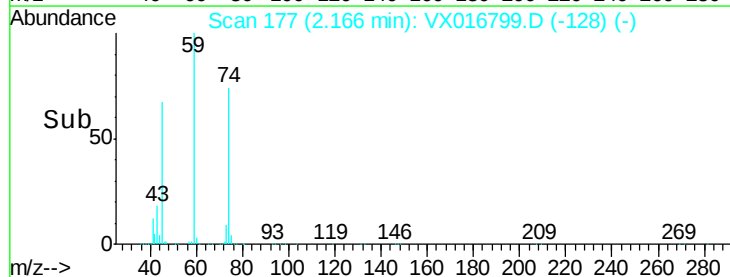
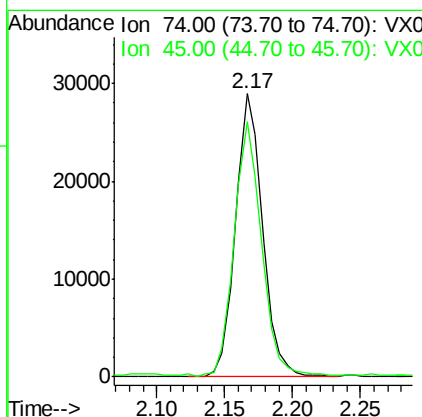
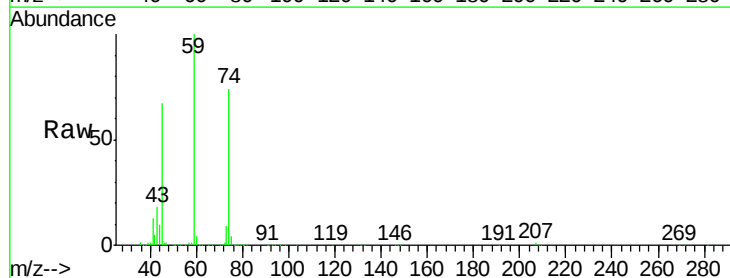
MMDadoda
6/17/2020 9:35:10 AM

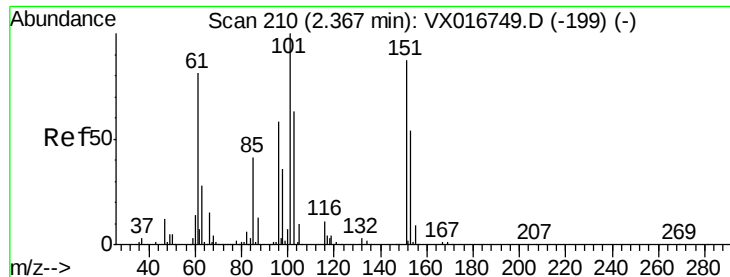


#8

Diethyl Ether
Concen: 20.336 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.5	43.5	130.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.907 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

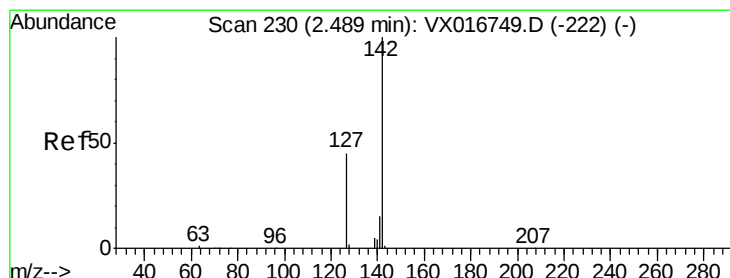
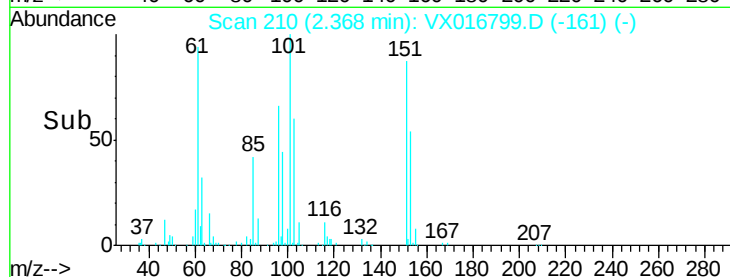
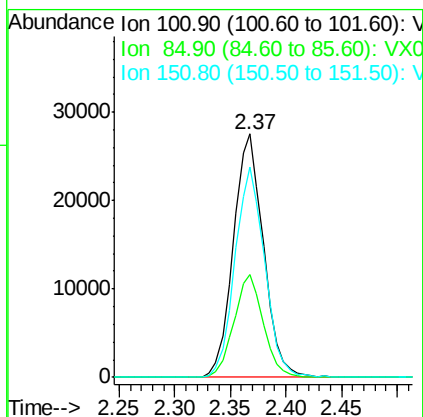
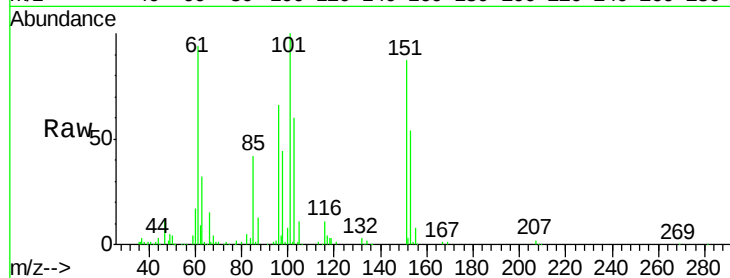
ClientSampleId :

VX0616WBSD02

Tot Ion:	101	Resp:	51484
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.0	51.0
151	85.6	68.7	103.1

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#10

Methyl Iodide

Concen: 14.419 ug/l

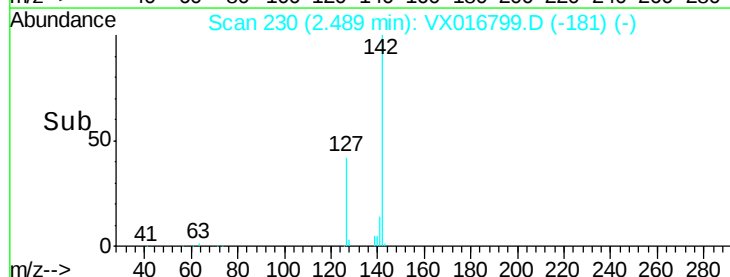
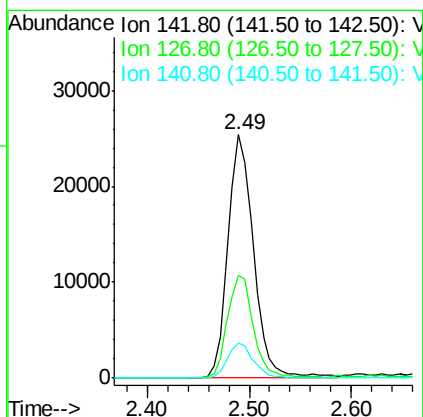
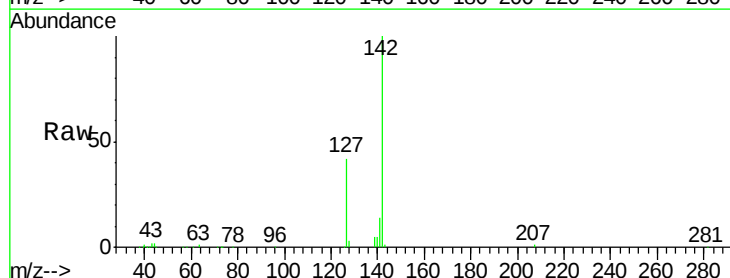
RT: 2.49 min Scan# 230

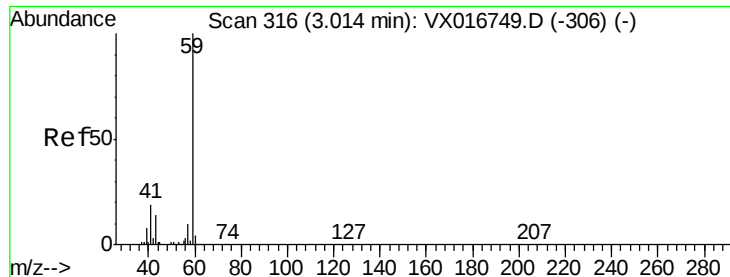
Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Tgt Ion:	142	Resp:	44380
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.4	53.2
141	14.5	11.7	17.5





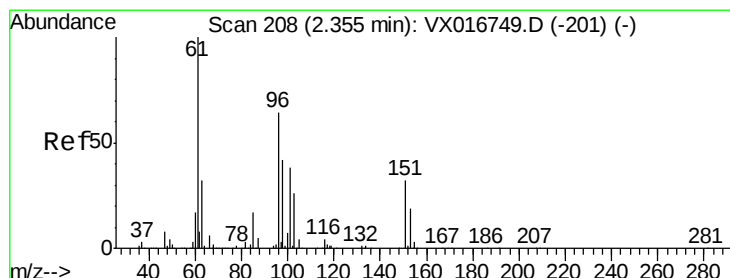
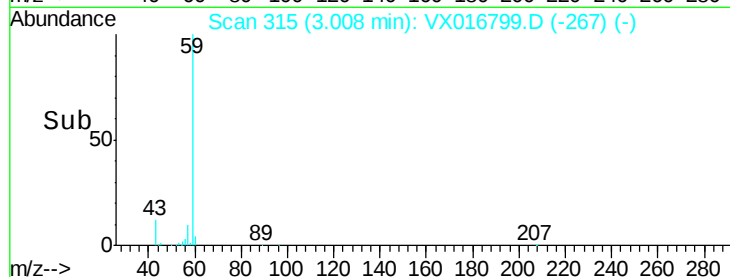
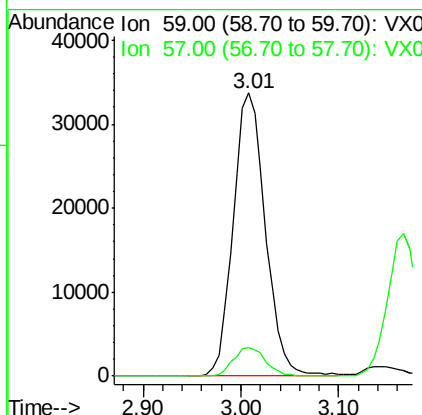
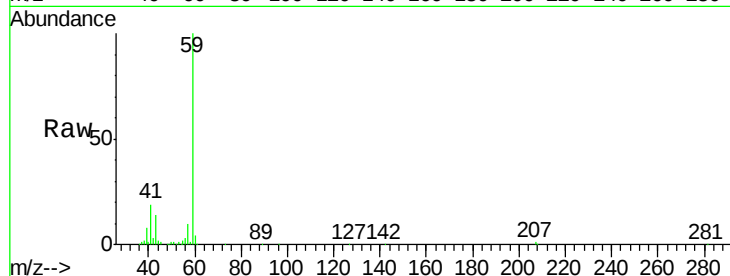
#11
Tert butyl alcohol
Concen: 94.367 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	59	Resp	76935
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

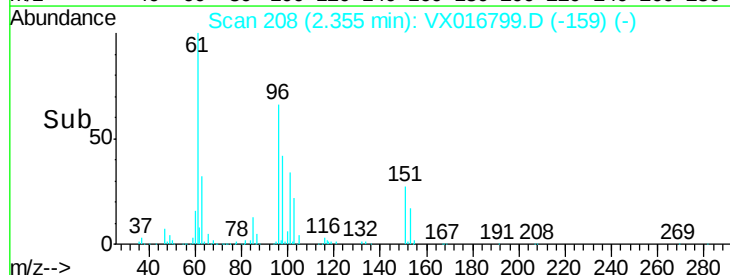
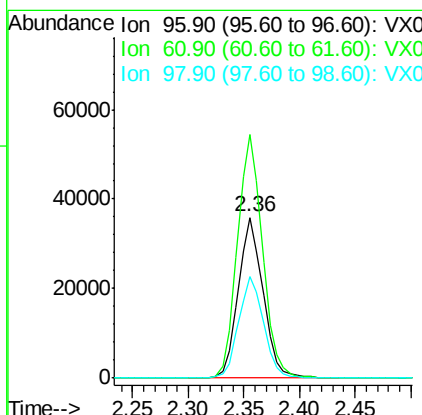
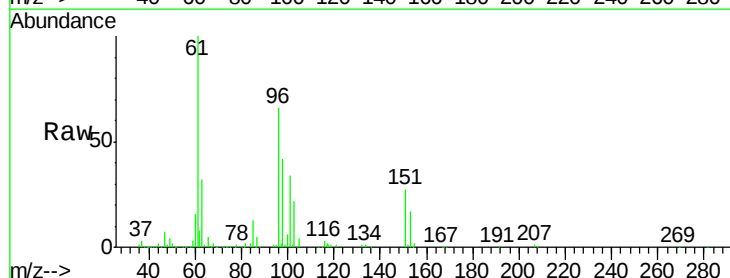
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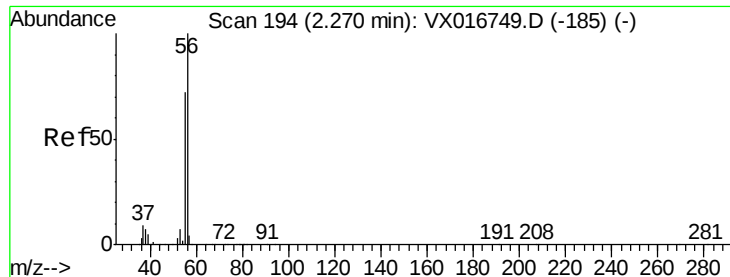
MMDadoda
6/17/2020 9:35:10 AM



#12
1,1-Dichloroethene
Concen: 19.487 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	96	Resp	54951
Ion Ratio	100	Lower	Upper
61	151.7	124.1	186.1
98	63.4	52.7	79.1





#13

Acrolein

Concen: 92.526 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 56 Resp: 31610

Ion Ratio Lower Upper

56 100

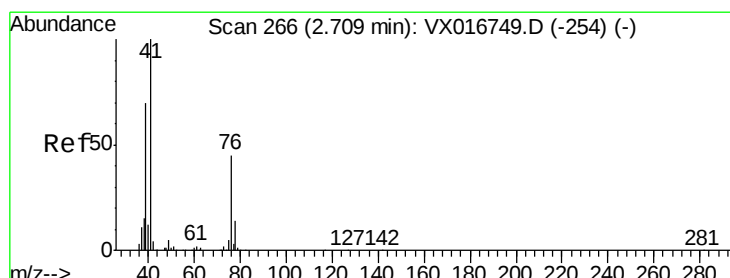
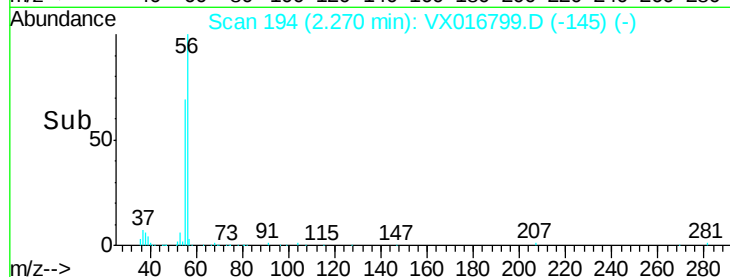
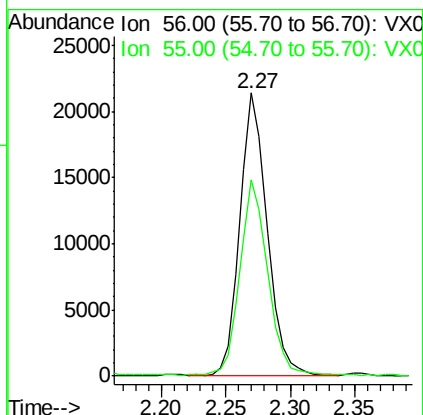
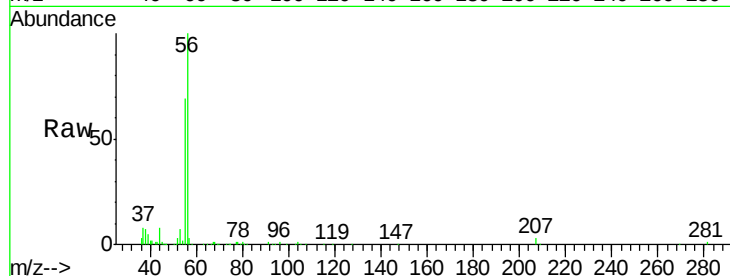
55 71.2 58.2 87.4

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#14

Allyl chloride

Concen: 20.225 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

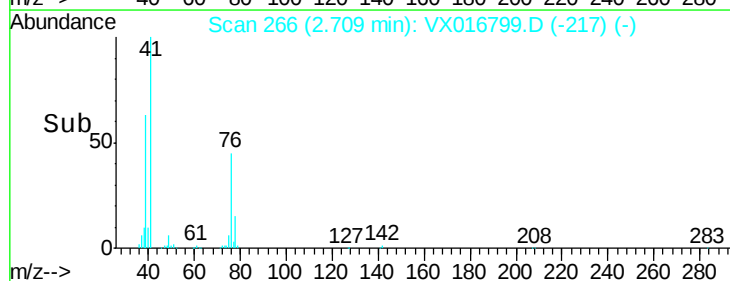
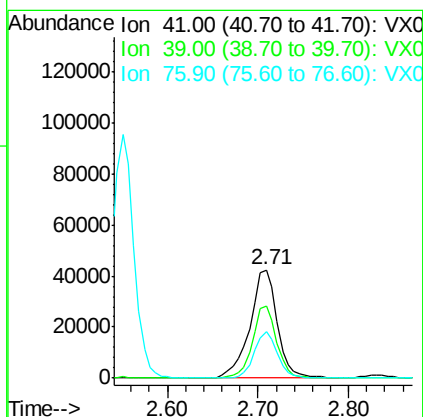
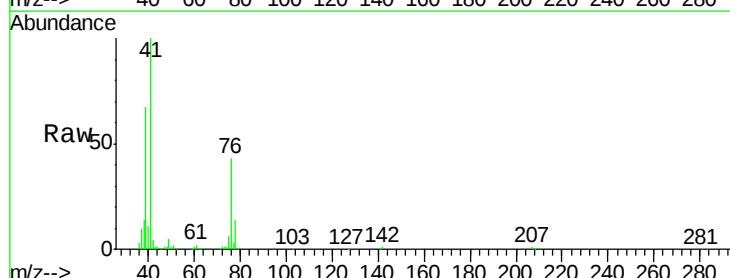
Tgt Ion: 41 Resp: 89200

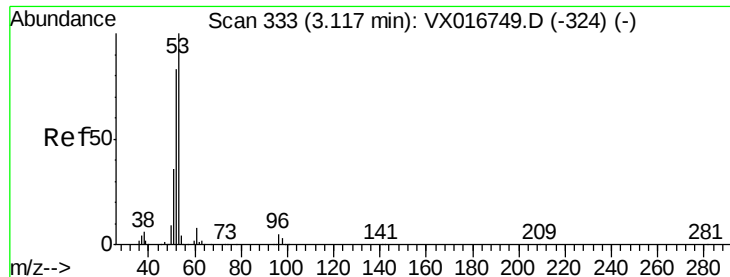
Ion Ratio Lower Upper

41 100

39 58.5 50.2 75.4

76 35.4 30.4 45.6





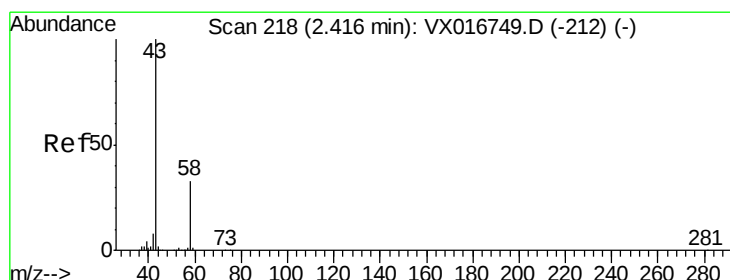
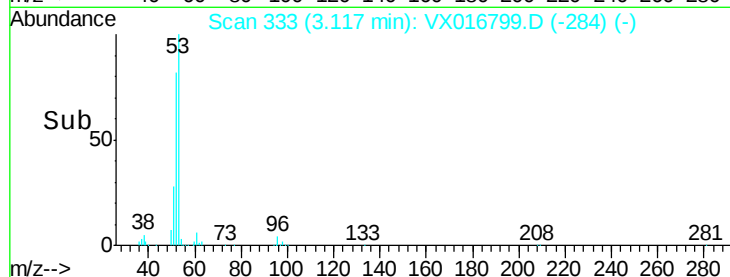
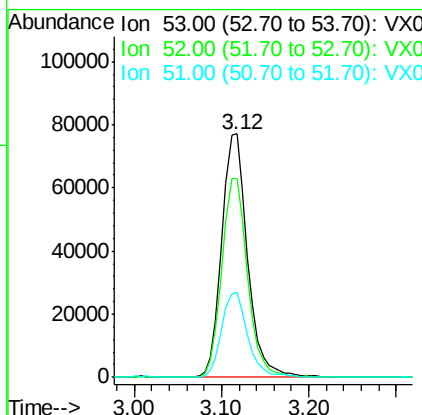
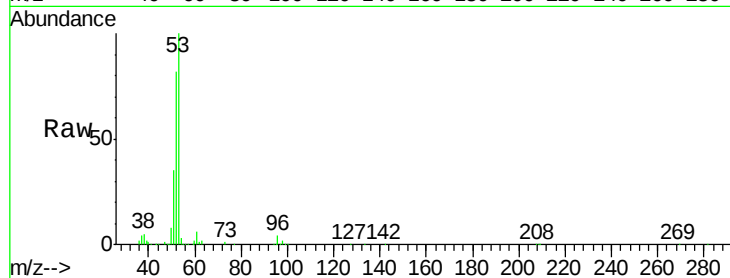
#15
 Acrylonitrile
 Concen: 95.631 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0616WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	81.2	65.5	98.3	
51	35.3	28.6	42.8	

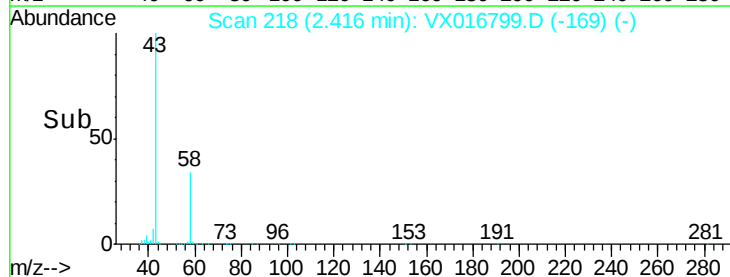
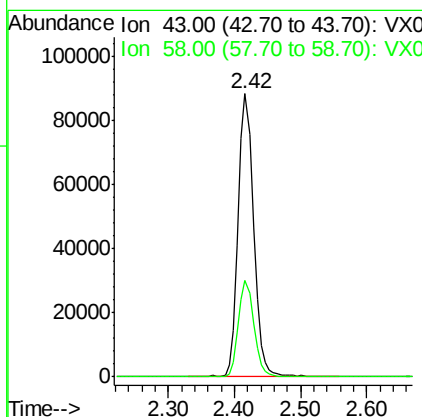
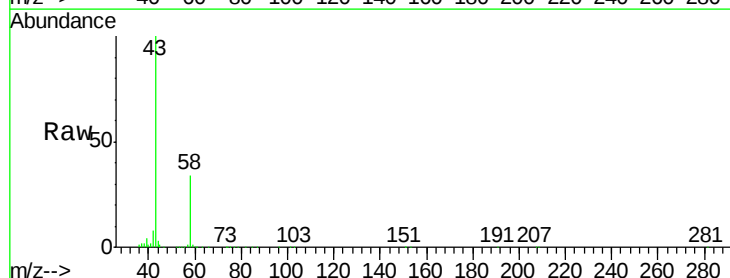
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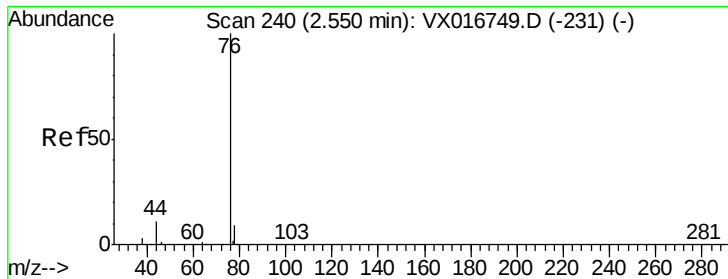
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#16
 Acetone
 Concen: 97.795 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	34.0	26.3	39.5	





#17

Carbon Disulfide

Concen: 19.367 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 76 Resp: 156407

Ion Ratio Lower Upper

76 100

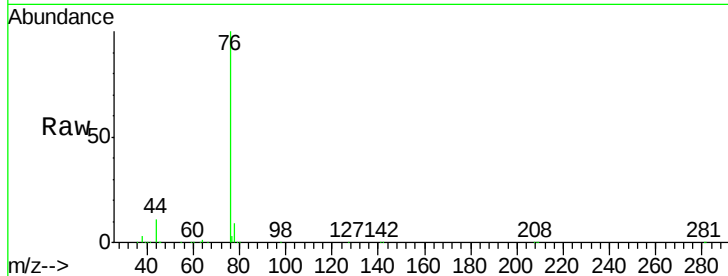
78 9.2 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

100000

80000

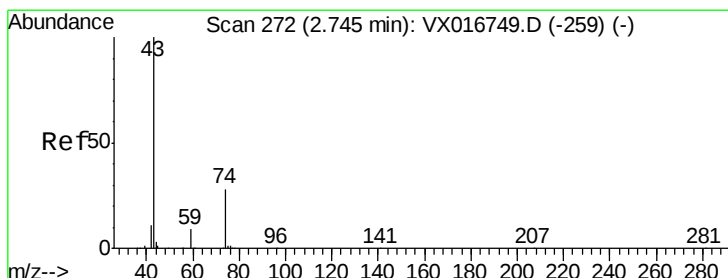
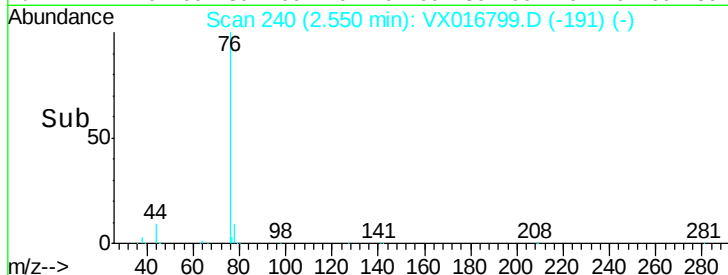
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.403 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX016799.D

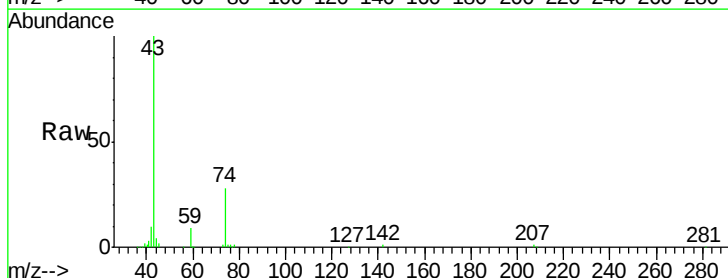
Acq: 17 Jun 2020 00:11

Tgt Ion: 43 Resp: 84095

Ion Ratio Lower Upper

43 100

74 27.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

50000

40000

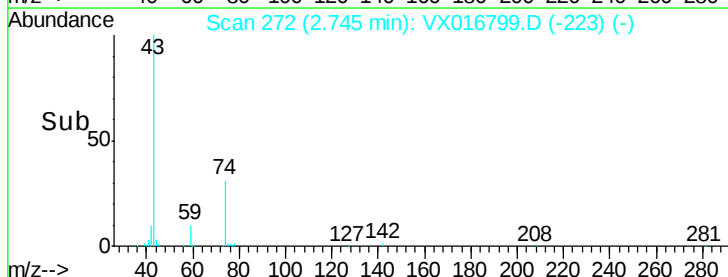
30000

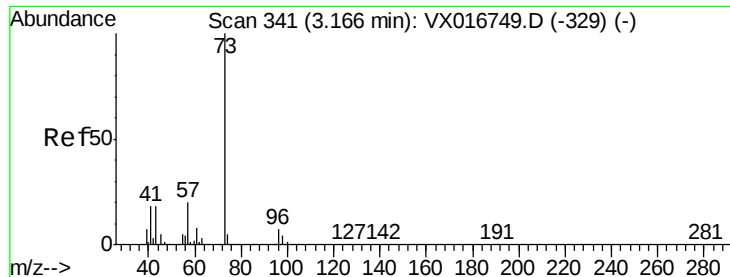
20000

10000

0

Time-->





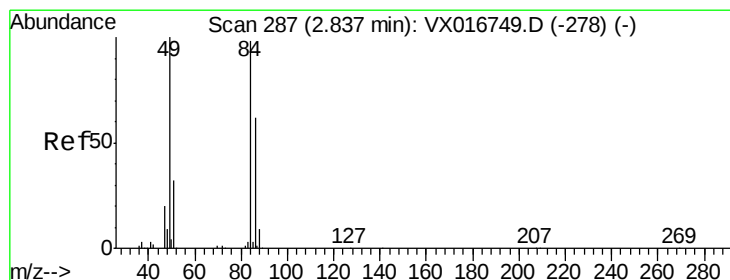
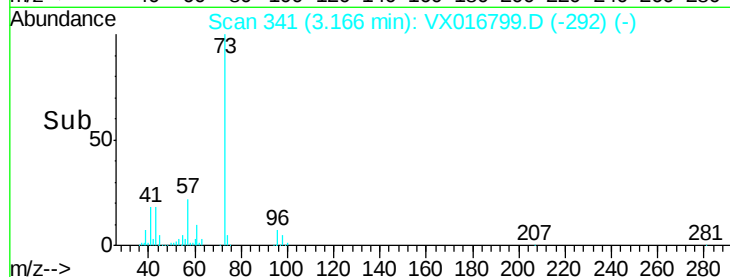
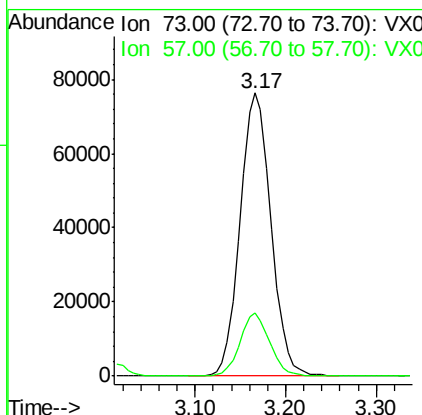
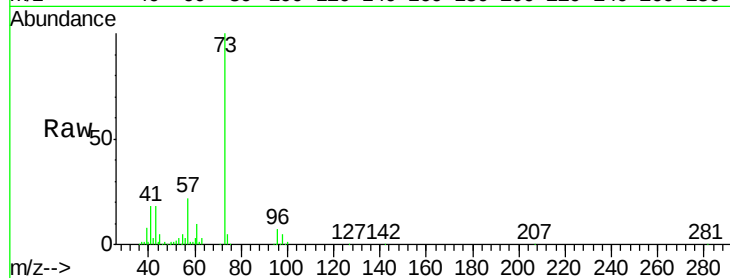
#19
Methvl tert-butvl Ether
Concen: 18.718 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion: 73 Resp: 179899
Ion Ratio Lower Upper
73 100
57 22.1 16.2 24.4

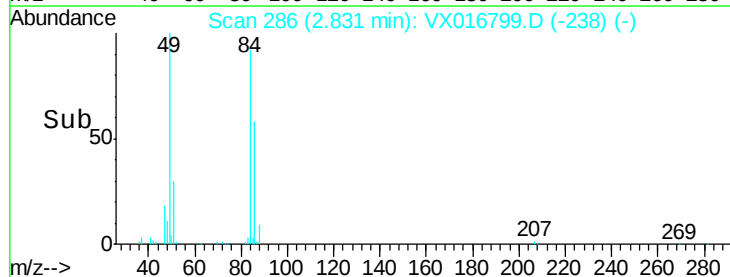
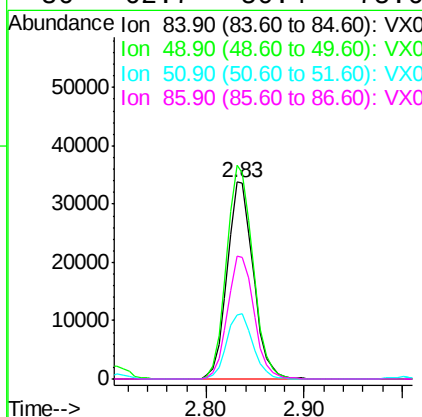
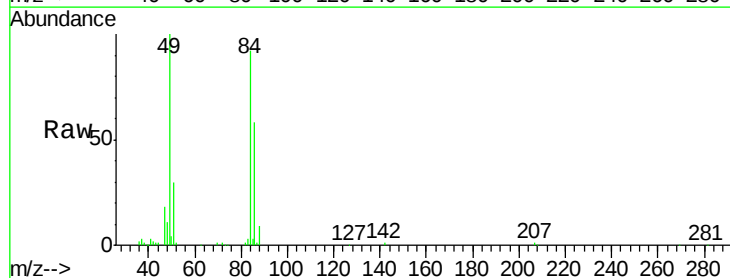
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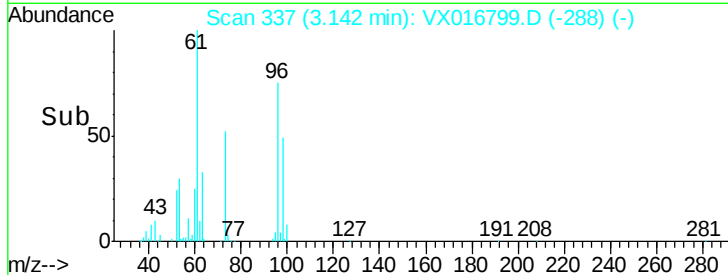
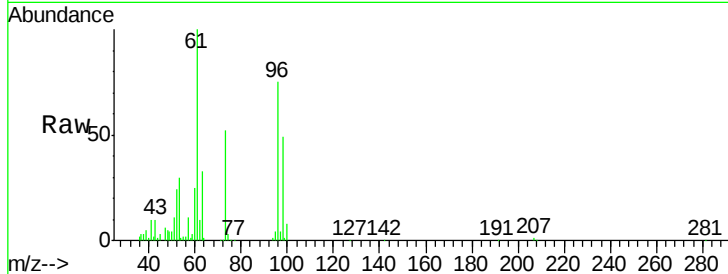
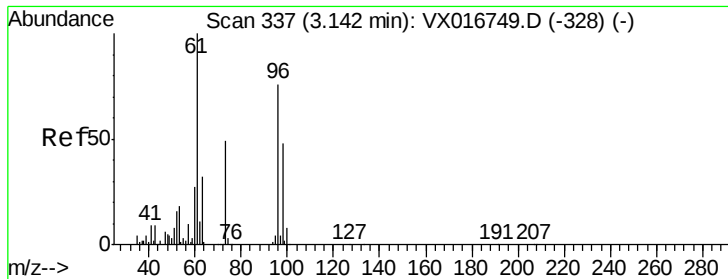
MMDadoda
6/17/2020 9:35:10 AM



#20
Methylene Chloride
Concen: 19.726 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion: 84 Resp: 62548
Ion Ratio Lower Upper
84 100
49 108.7 81.8 122.8
51 32.8 25.8 38.8
86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 18.657 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016799.D

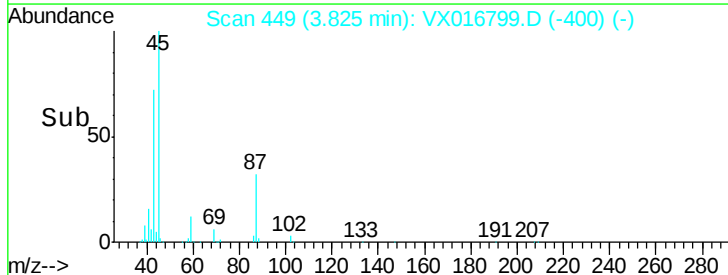
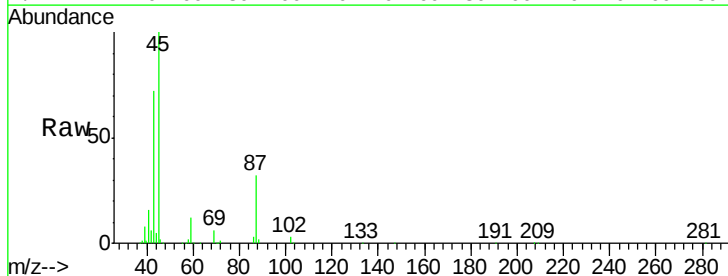
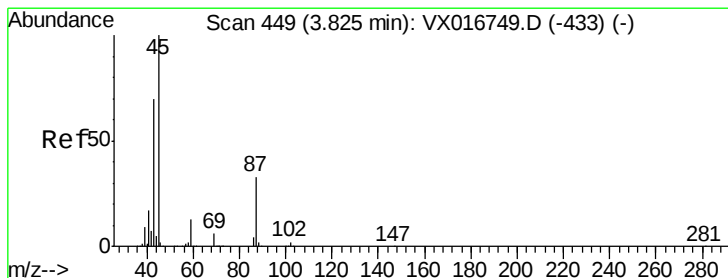
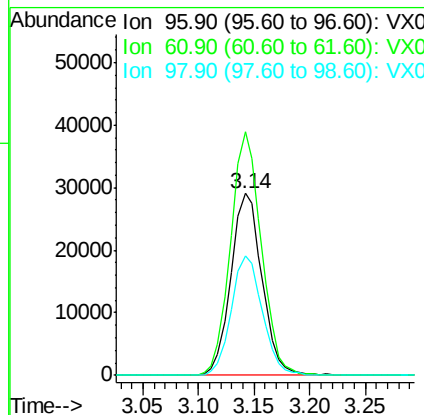
Acq: 17 Jun 2020 00:11

Tot Ion:	96	Resp:	56536
Ion	Ratio	Lower	Upper
96	100		
61	133.8	105.4	158.2
98	66.0	50.8	76.2

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

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#22

Diisopropyl ether

Concen: 19.354 ug/l

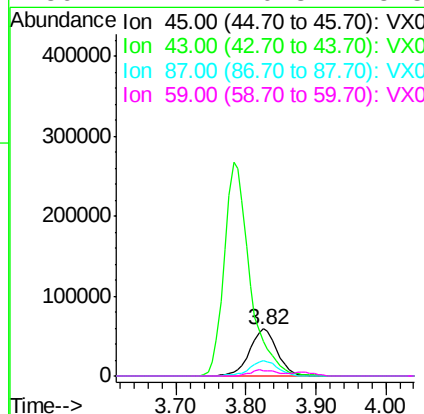
RT: 3.82 min Scan# 449

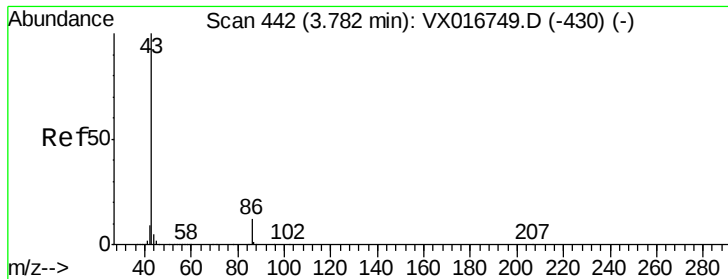
Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Tgt Ion:	45	Resp:	160330
Ion	Ratio	Lower	Upper
45	100		
43	72.2	56.2	84.4
87	31.9	26.2	39.4
59	12.2	10.3	15.5





#23

Vinyl Acetate

Concen: 95.094 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 43 Resp: 680897

Ion Ratio Lower Upper

43 100

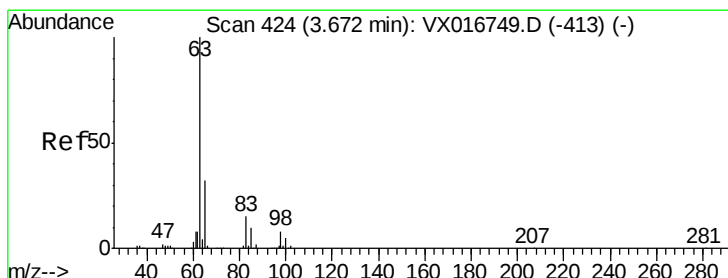
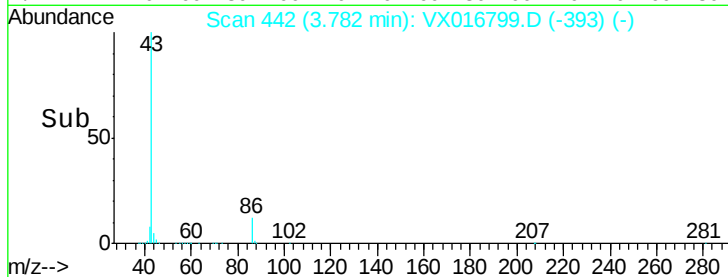
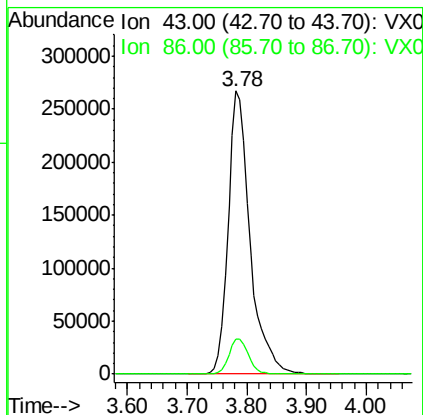
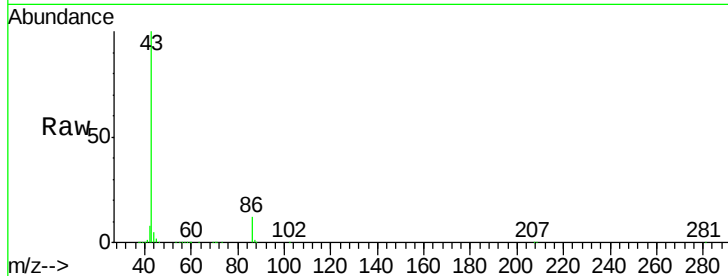
86 12.3 9.8 14.8

Manual Integrations

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6/17/2020 9:35:10 AM



#24

1,1-Dichloroethane

Concen: 18.610 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

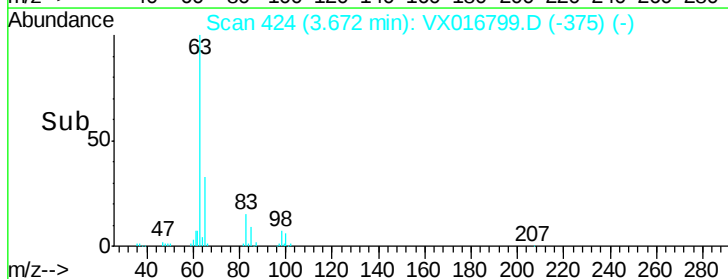
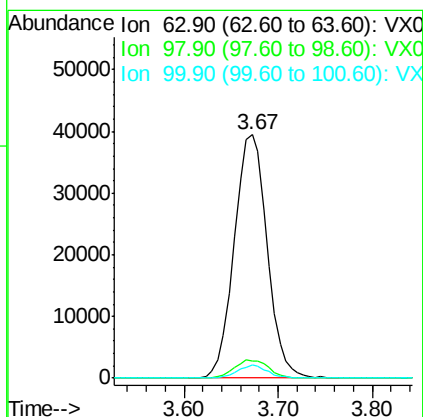
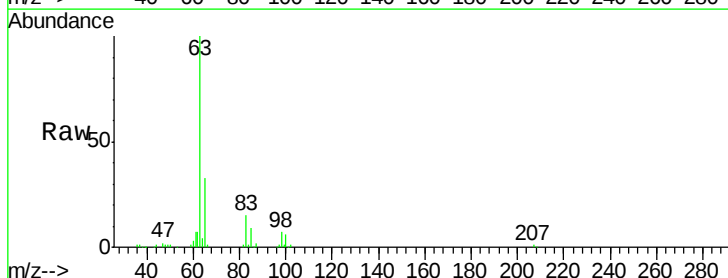
Tgt Ion: 63 Resp: 96425

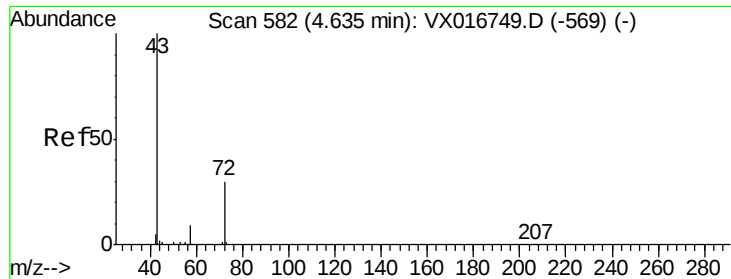
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 5.6 2.3 6.9





#25

2-Butanone

Concen: 96.899 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 43 Resp: 214975

Ion Ratio Lower Upper

43 100

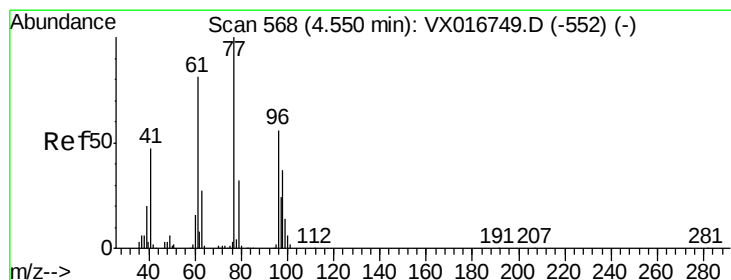
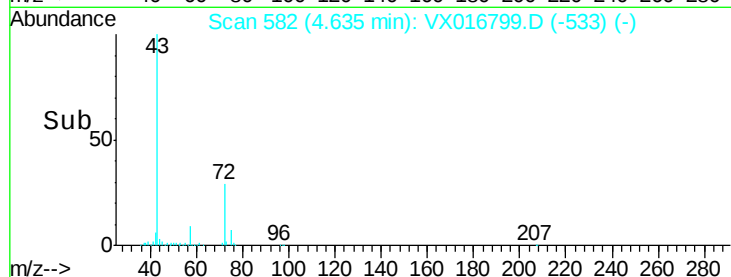
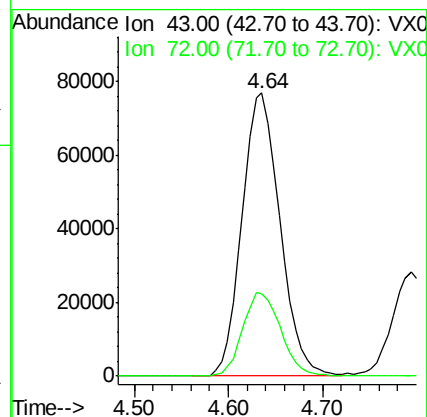
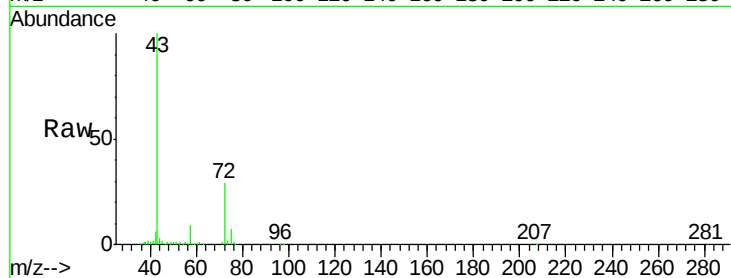
72 28.9 24.2 36.4

Manual Integrations

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6/17/2020 9:35:10 AM



#26

2,2-Dichloropropane

Concen: 14.742 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016799.D

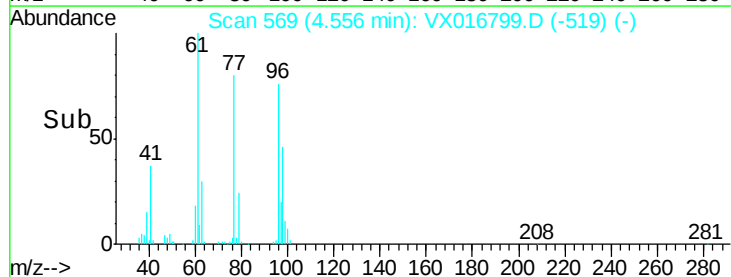
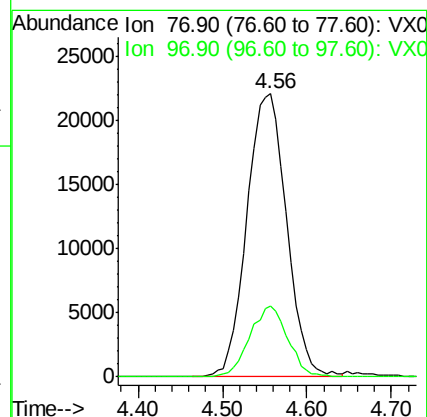
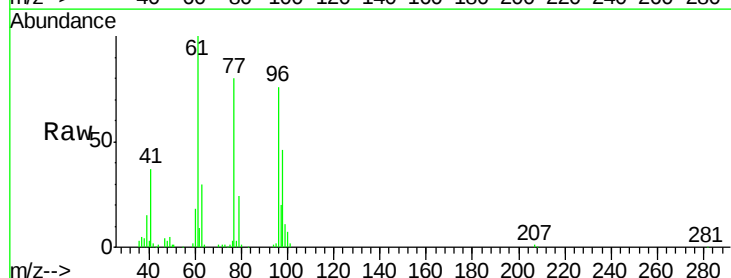
Acq: 17 Jun 2020 00:11

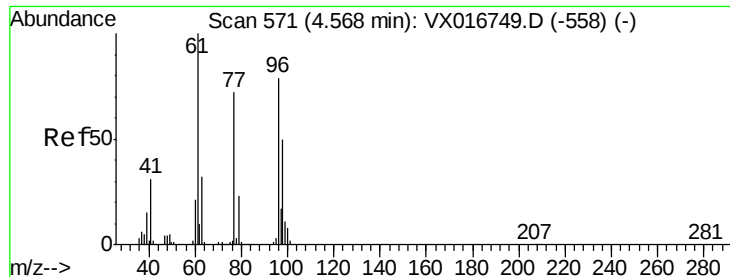
Tgt Ion: 77 Resp: 70726

Ion Ratio Lower Upper

77 100

97 24.0 11.5 34.4





#27

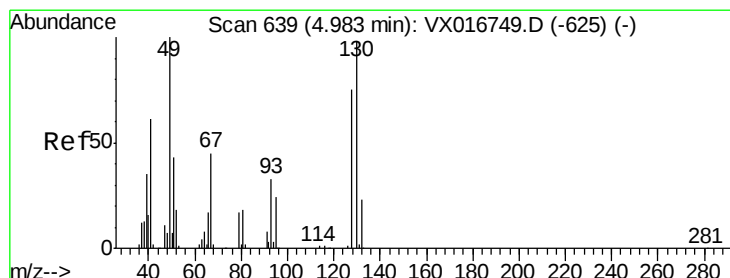
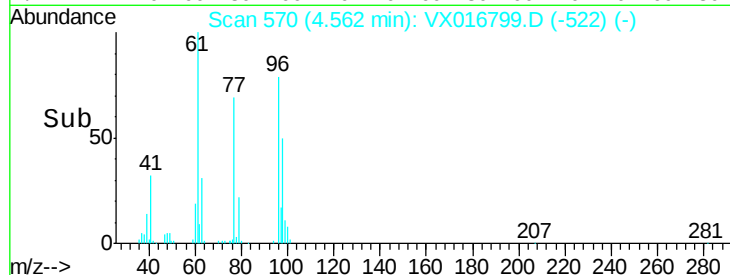
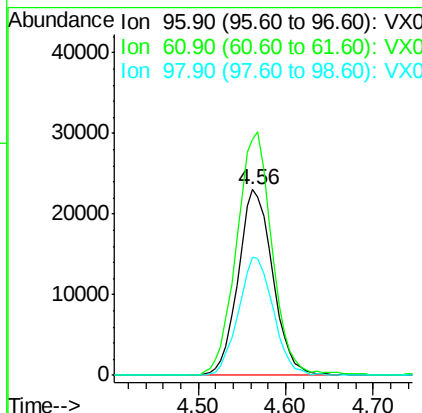
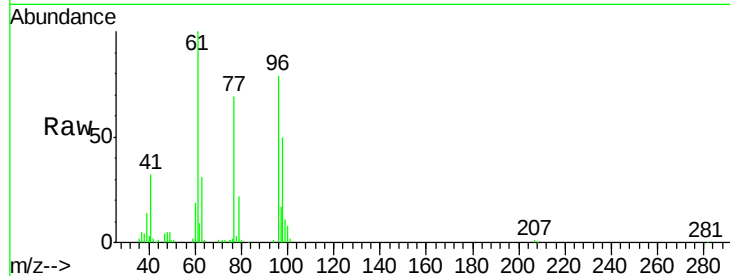
cis-1,2-Dichloroethene
Concen: 18.341 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	276.2
98	63.9	0.0	130.0

Manual Integrations
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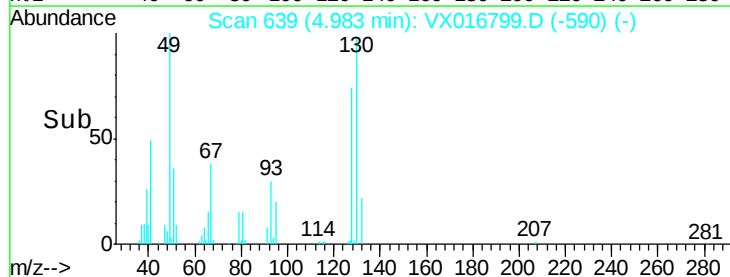
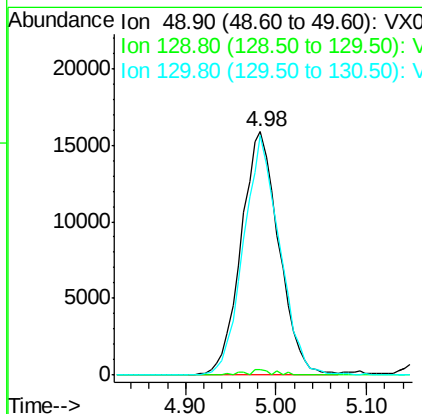
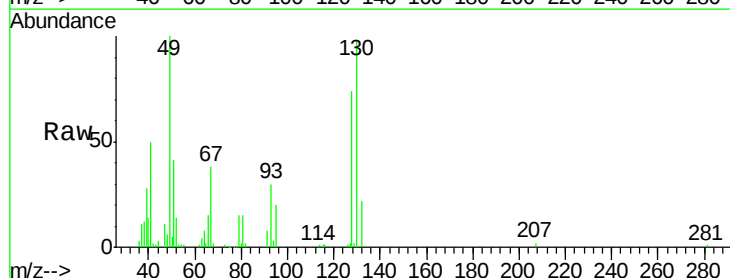
MMDadoda
6/17/2020 9:35:10 AM

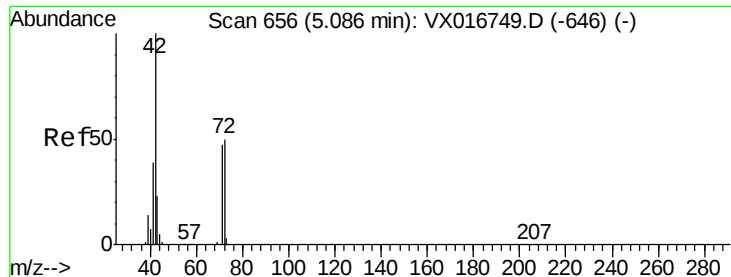


#28

Bromochloromethane
Concen: 20.724 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.8
130	94.1	76.0	114.0





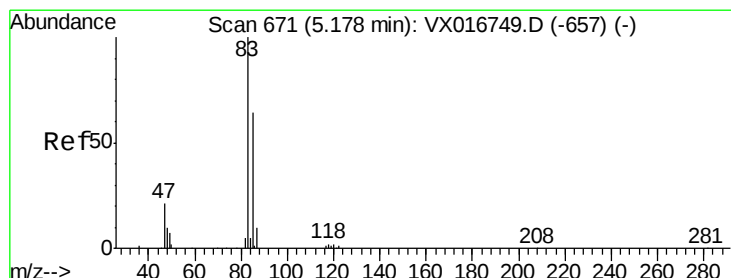
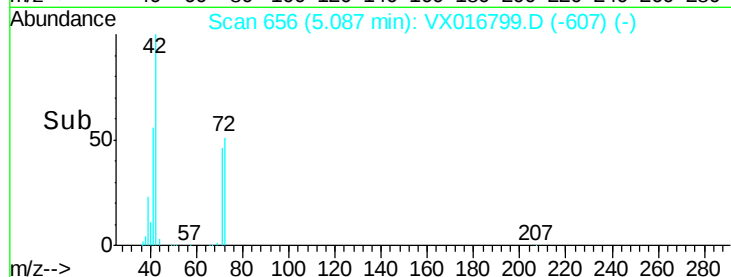
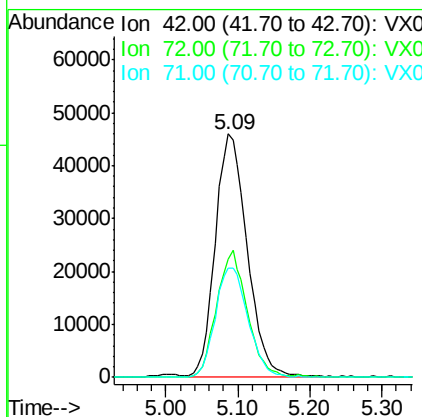
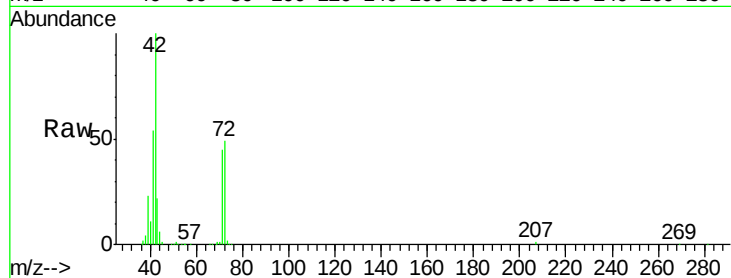
#29
Tetrahydrofuran
Concen: 97.678 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	41.0	61.6
71	46.7	38.2	57.4

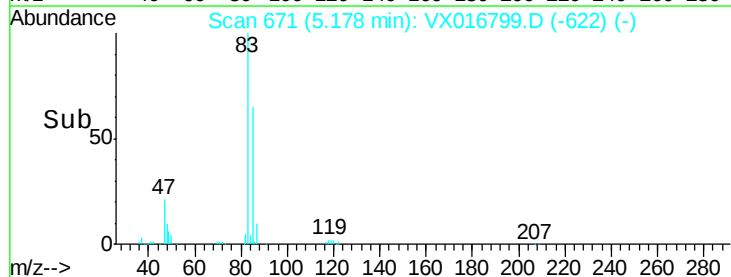
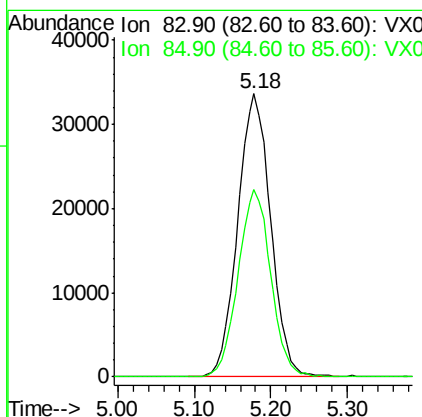
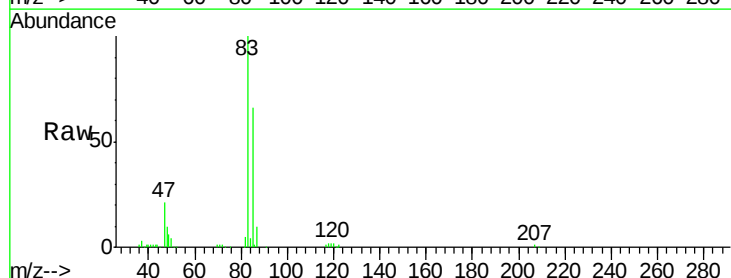
Manual Integrations
APPROVED

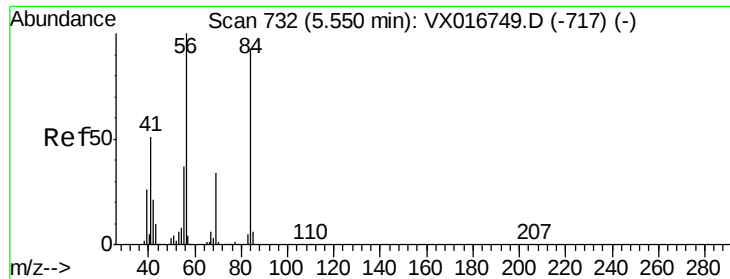
MMDadoda
6/17/2020 9:35:10 AM



#30
Chloroform
Concen: 18.346 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.8	76.2





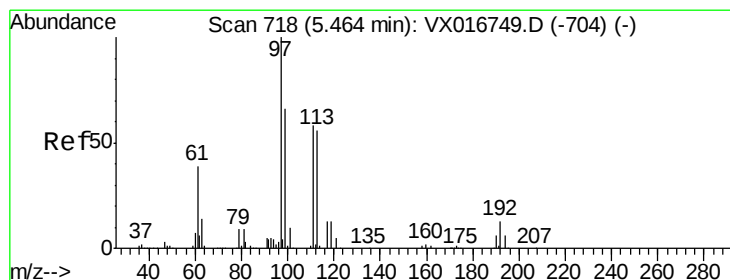
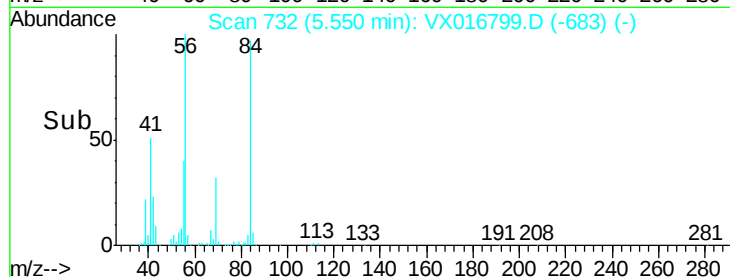
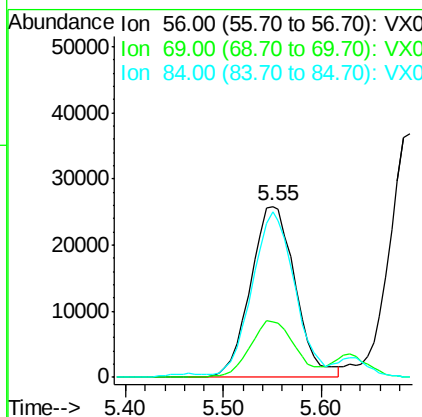
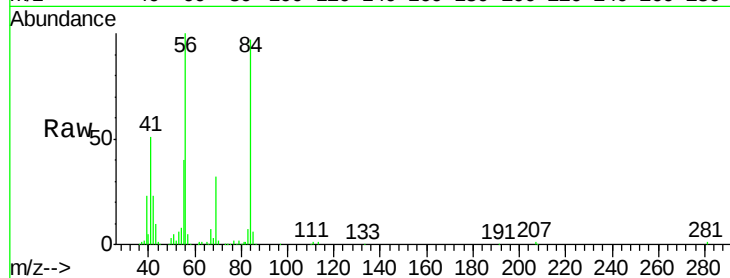
#31
Cyclohexane
Concen: 20.106 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.1	40.7
84	94.5	74.0	111.0

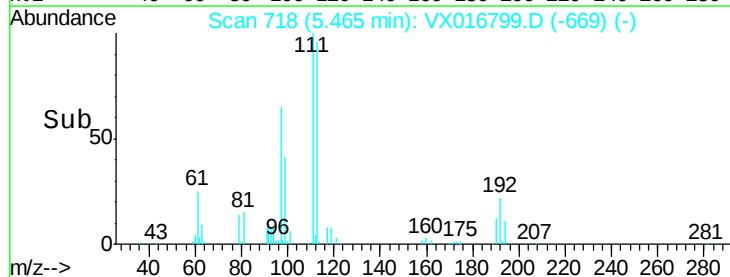
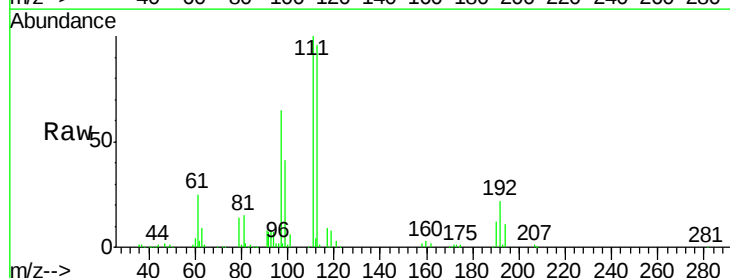
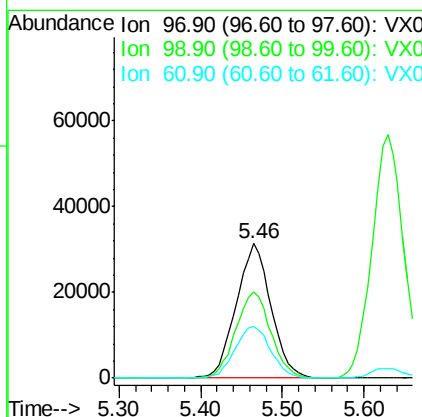
Manual Integrations
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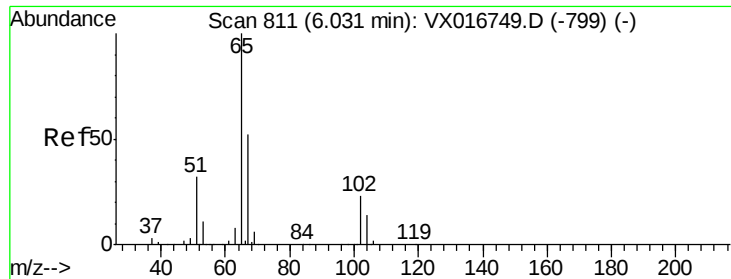
MMDadoda
6/17/2020 9:35:10 AM



#32
1,1,1-Trichloroethane
Concen: 18.584 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	39.9	31.3	46.9





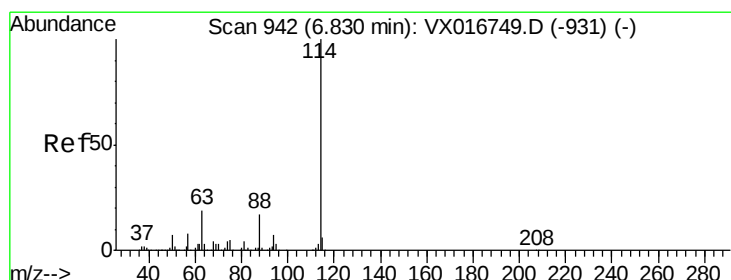
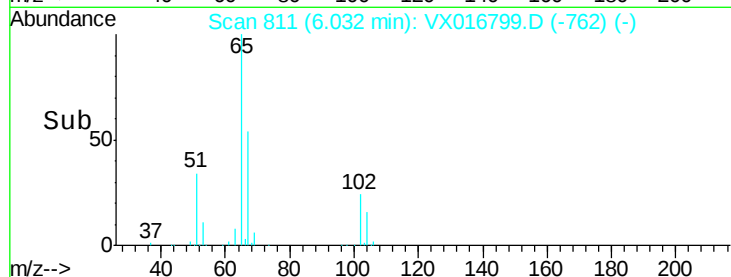
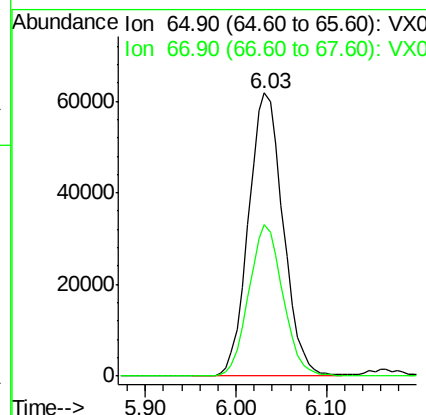
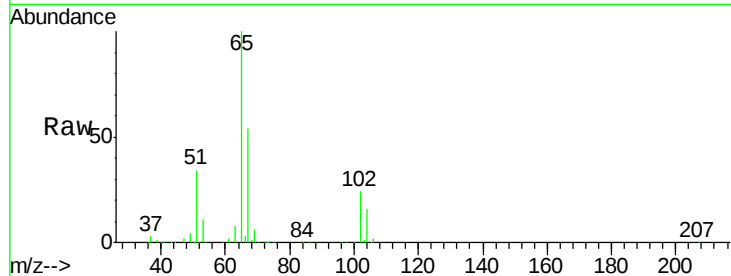
#33
 1,2-Dichloroethane-d4
 Concen: 50.300 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163230		
67	52.8	0.0	103.0	

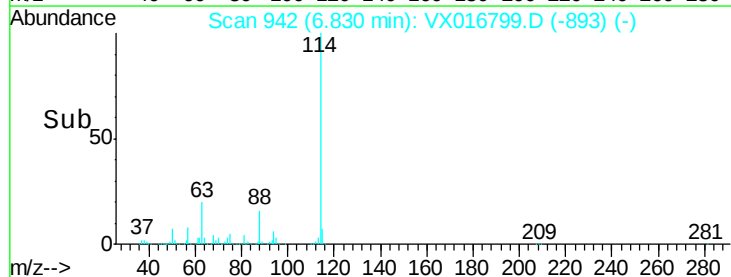
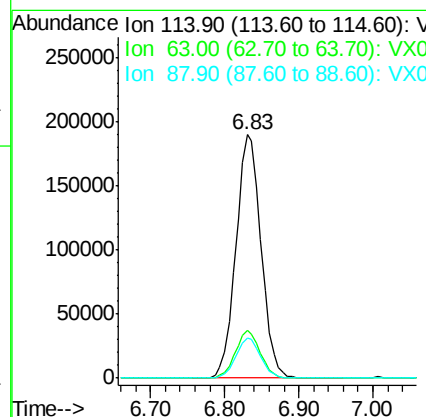
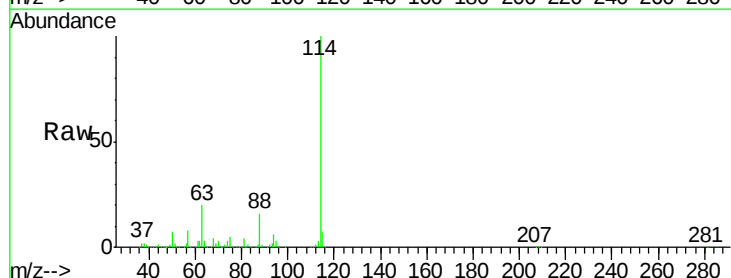
Manual Integrations
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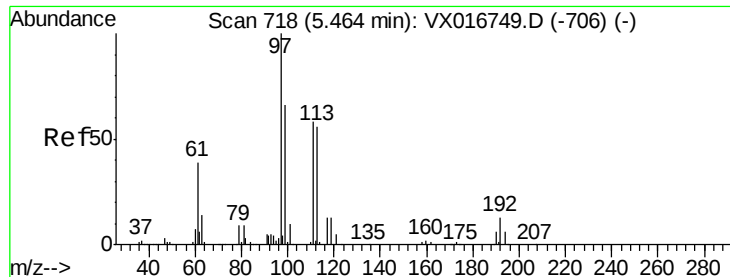
MMDadoda
 6/17/2020 9:35:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448350		
63	19.6	0.0	38.8	
88	16.2	0.0	33.4	





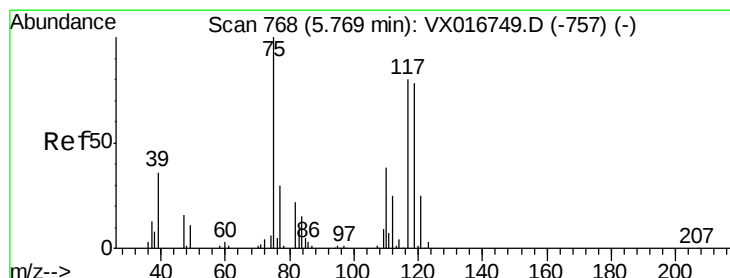
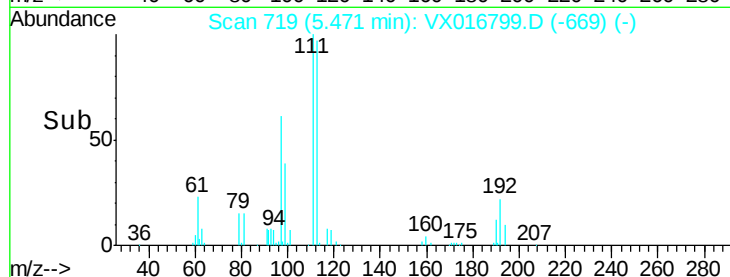
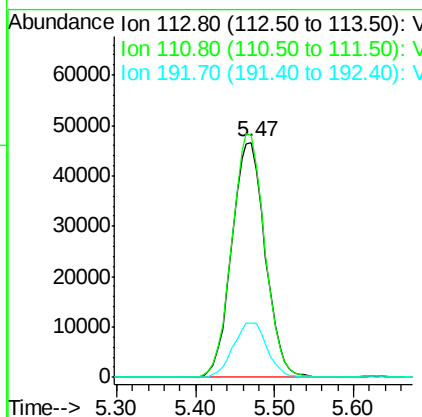
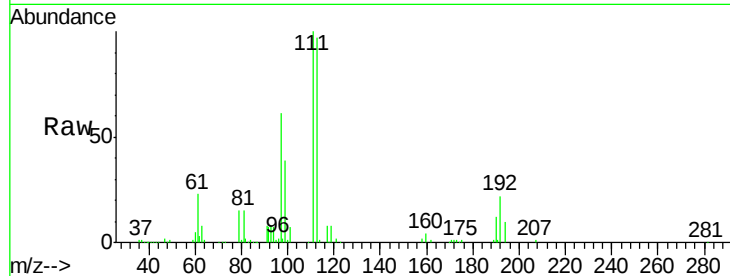
#35
Dibromofluoromethane
Concen: 49.787 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	23.5	18.2	27.4

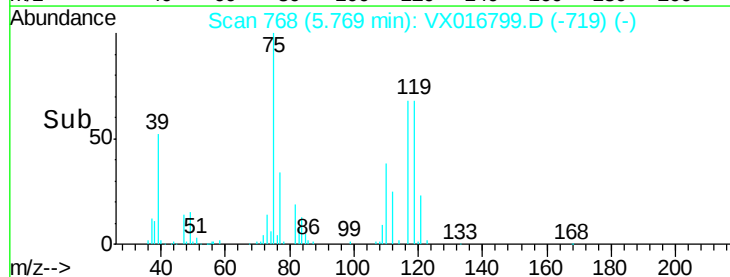
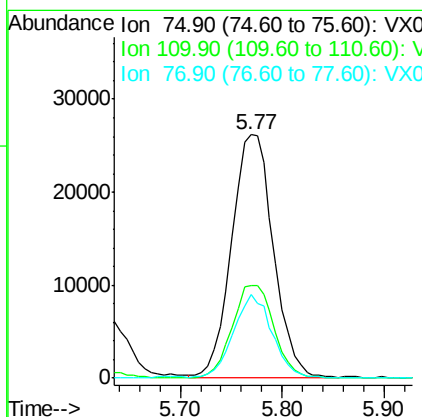
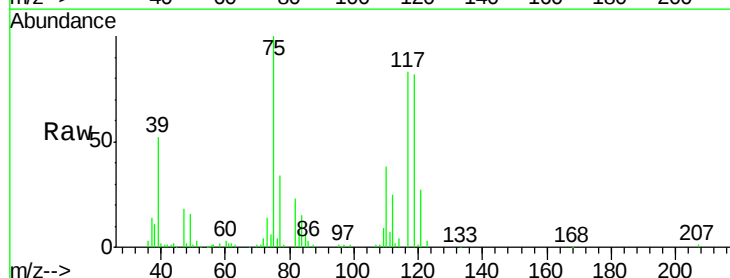
Manual Integrations
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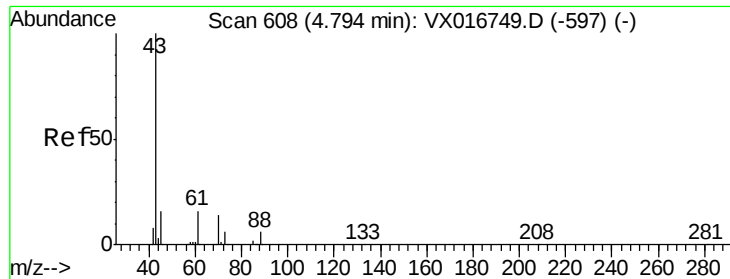
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#36
1,1-Dichloropropene
Concen: 18.623 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.4	55.2
77	32.1	24.7	37.1





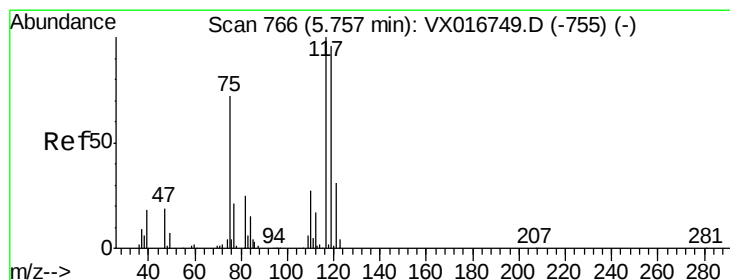
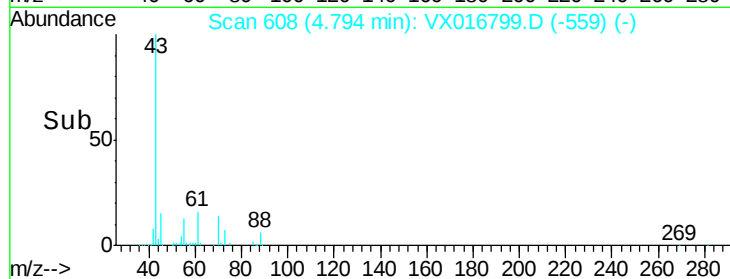
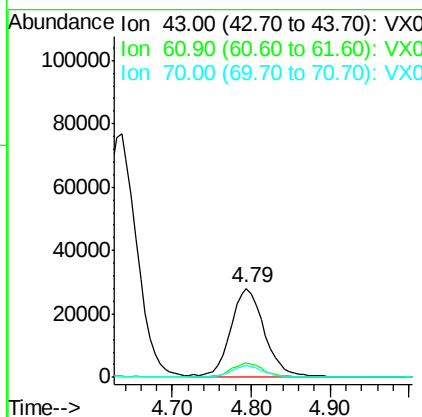
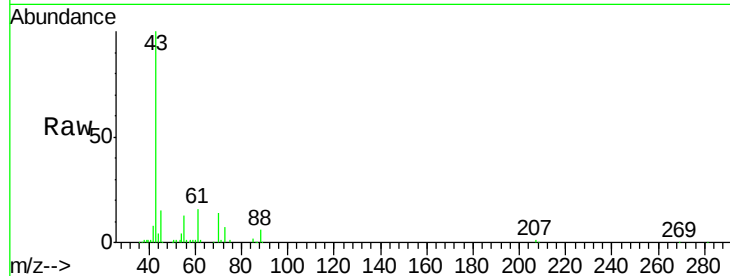
#37
Ethyl Acetate
Concen: 18.979 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.4	18.6
70	12.9	10.8	16.2

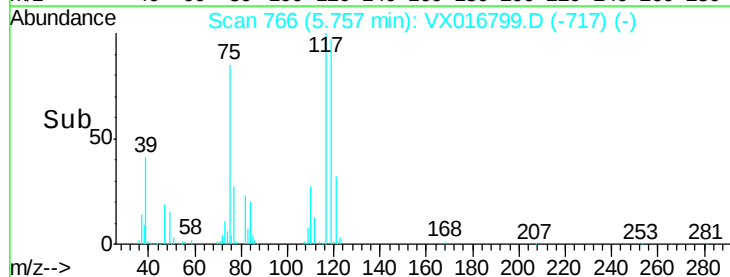
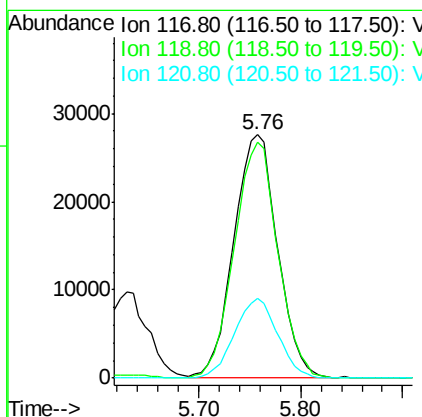
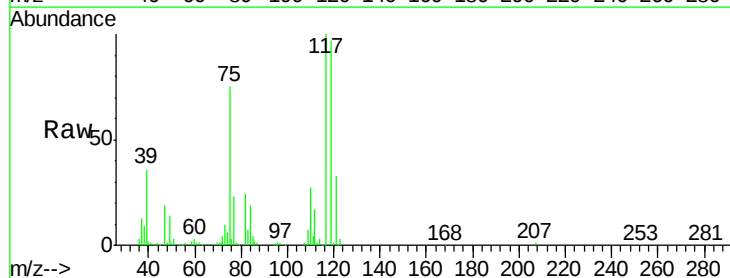
Manual Integrations
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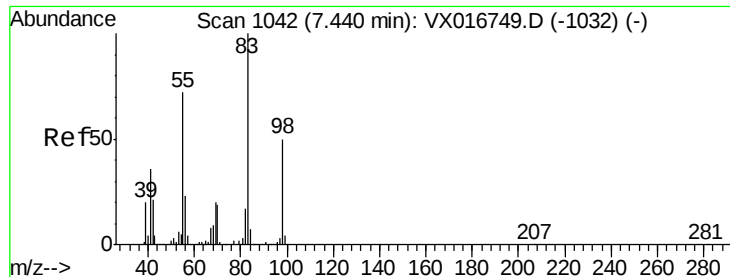
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#38
Carbon Tetrachloride
Concen: 18.157 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.7	115.1
121	33.1	24.7	37.1





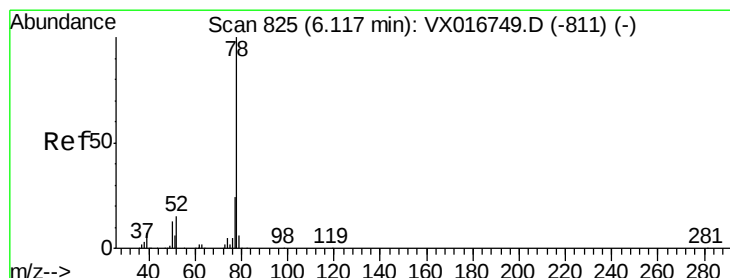
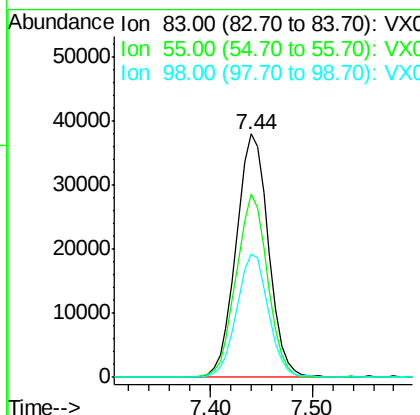
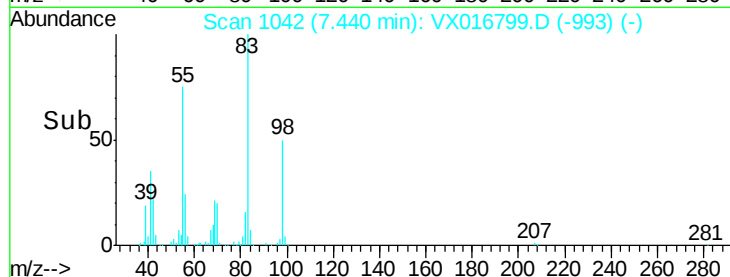
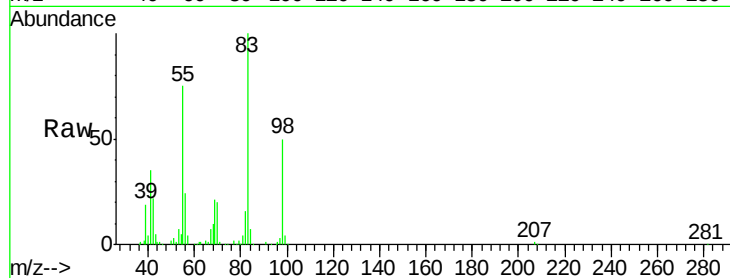
#39
Methylvlcyclohexane
Concen: 18.749 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	57.3	85.9
98	50.4	40.3	60.5

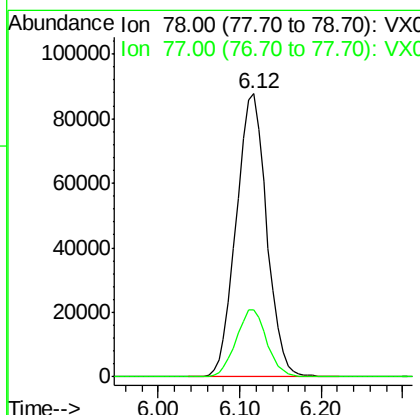
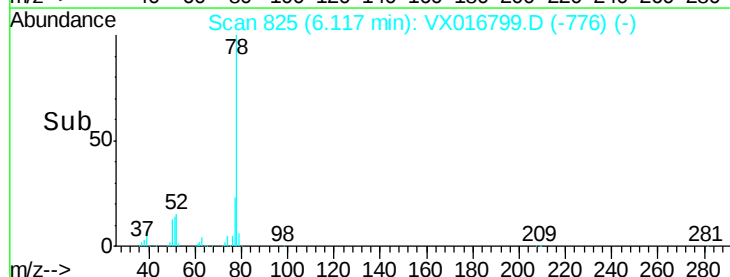
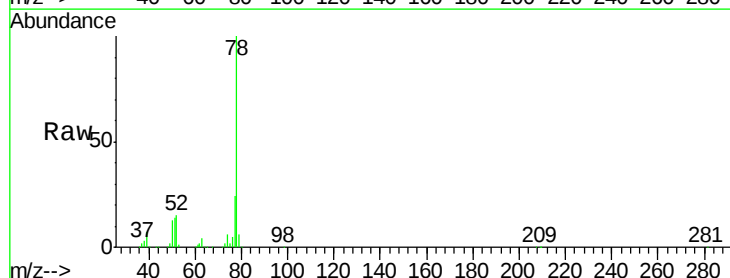
Manual Integrations
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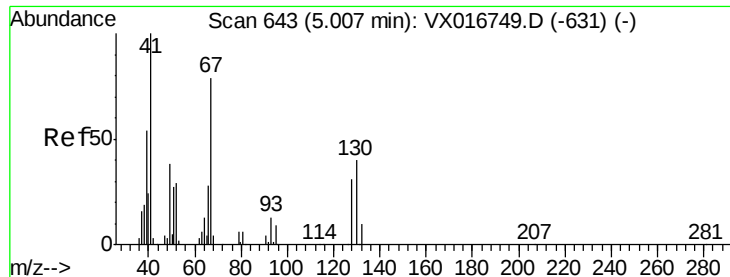
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#40
Benzene
Concen: 18.821 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





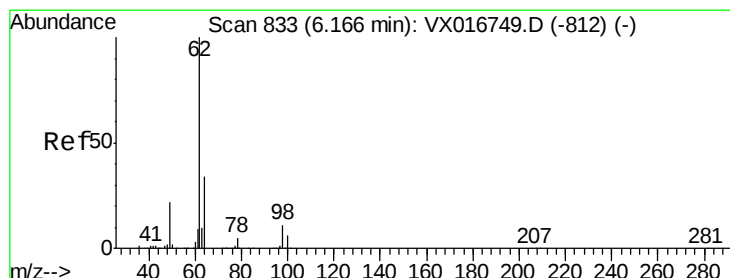
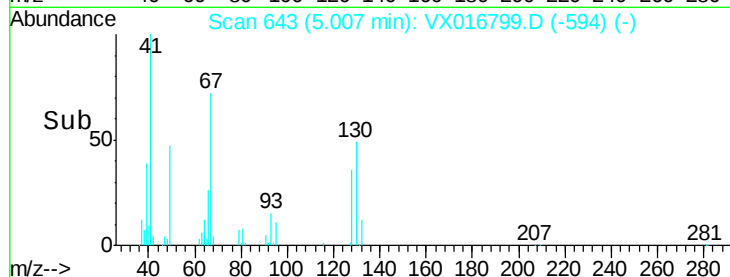
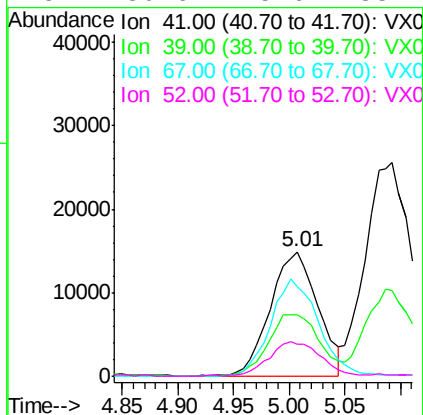
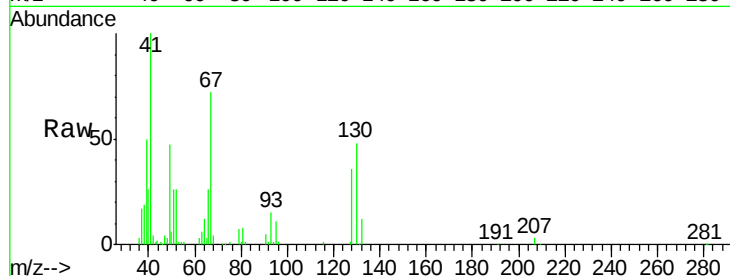
#41
Methacrylonitrile
Concen: 19.223 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	43.7	65.5	
67	79.4	64.6	96.8	
52	30.6	25.6	38.4	

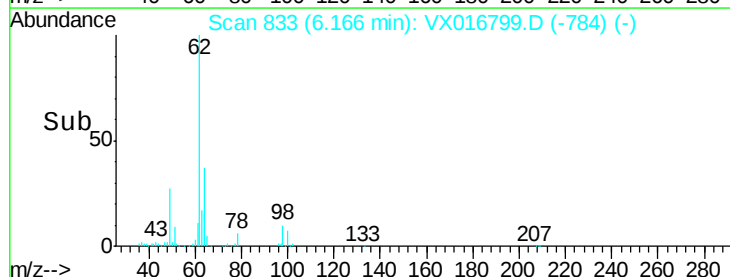
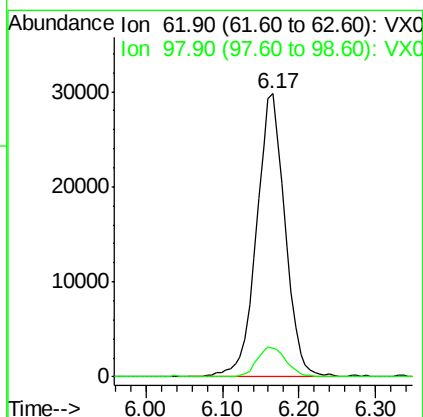
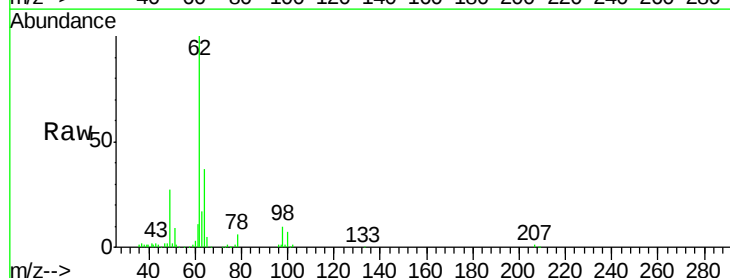
Manual Integrations
APPROVED

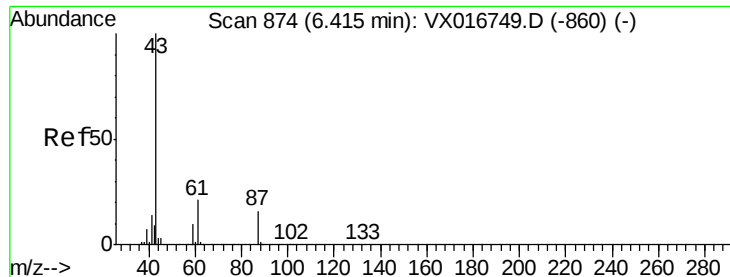
MMDadoda
6/17/2020 9:35:10 AM



#42
1,2-Dichloroethane
Concen: 17.639 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.2	





#43

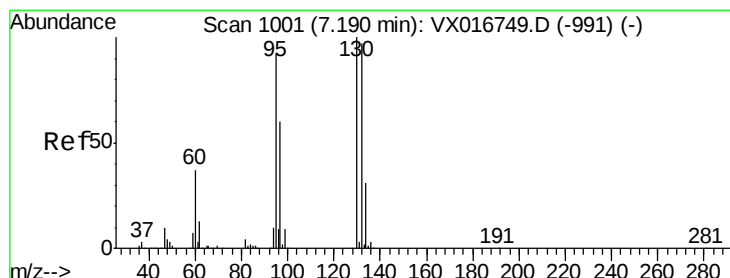
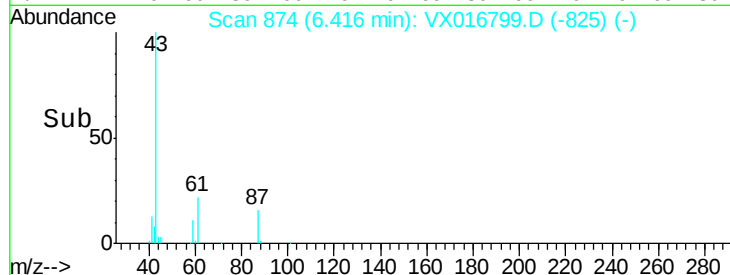
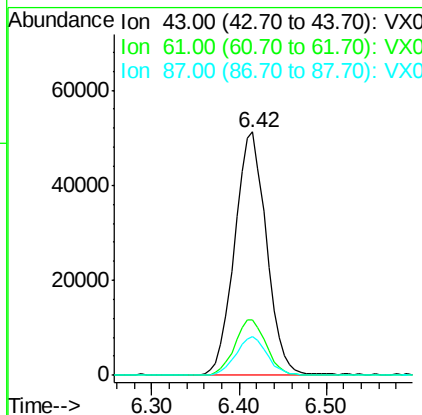
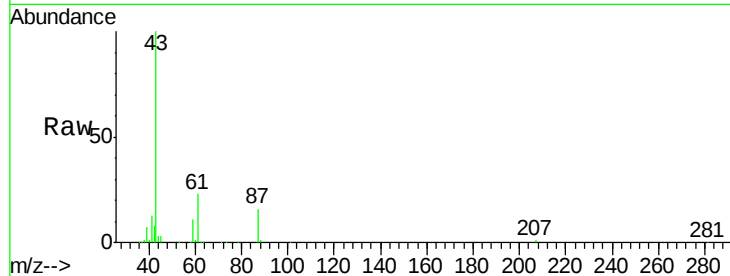
Isopropyl Acetate
 Concen: 19.012 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.8	17.7	26.5
87	15.6	12.5	18.7

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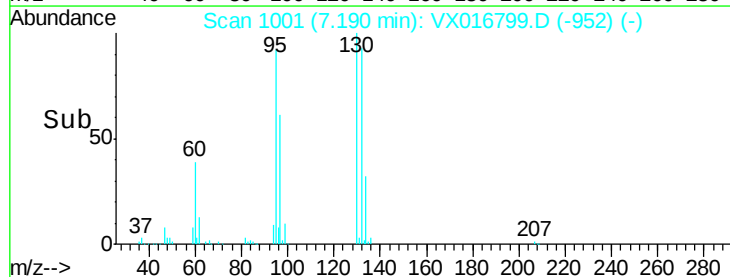
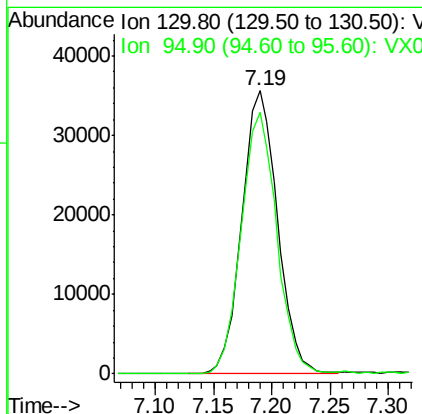
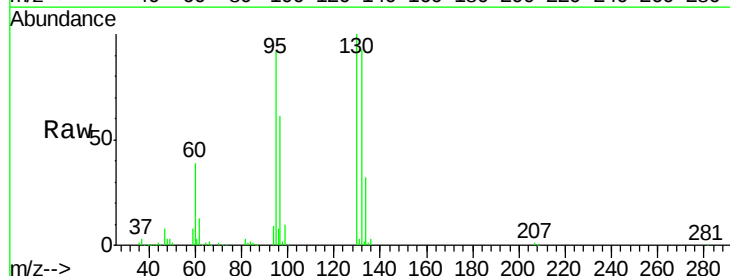
MMDadoda
 6/17/2020 9:35:10 AM

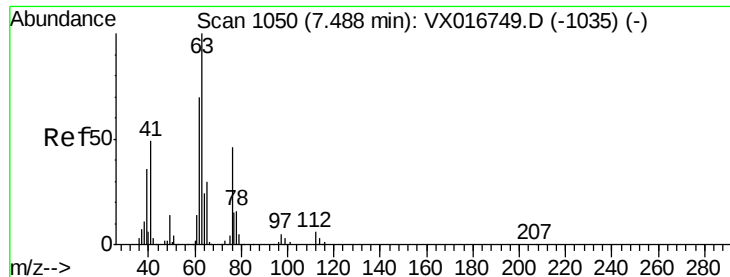


#44

Trichloroethene
 Concen: 20.423 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	183.6





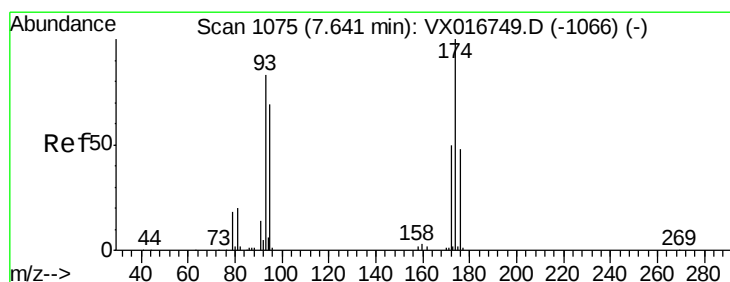
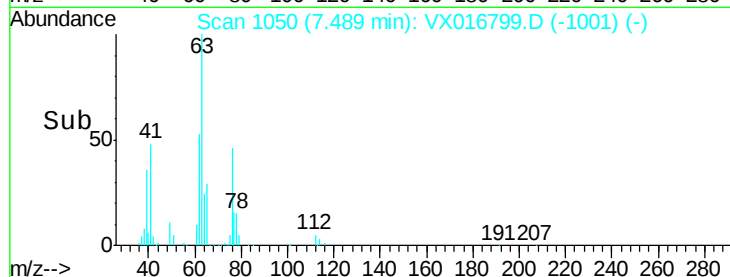
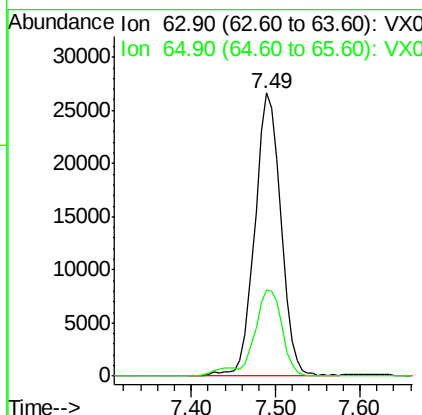
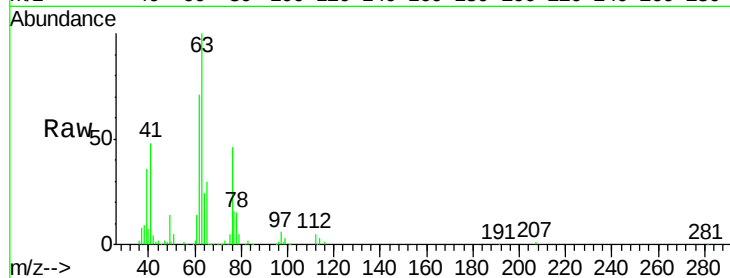
#45
 1,2-Dichloropropane
 Concen: 19.089 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.2	36.2

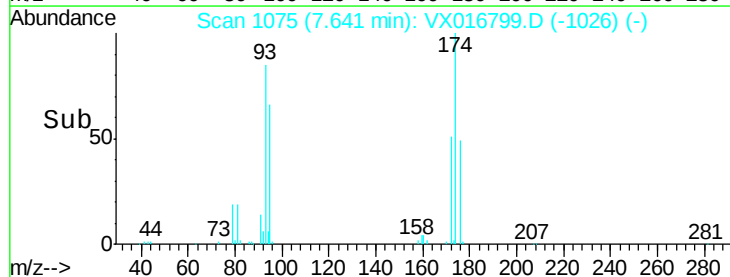
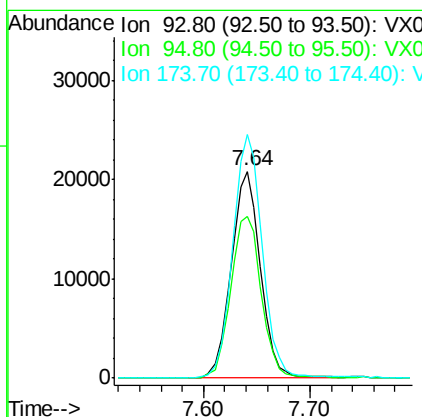
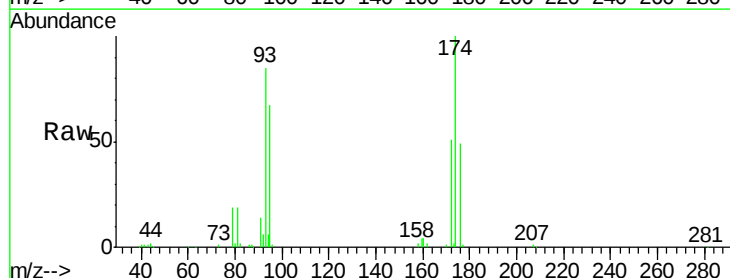
Manual Integrations
 APPROVED

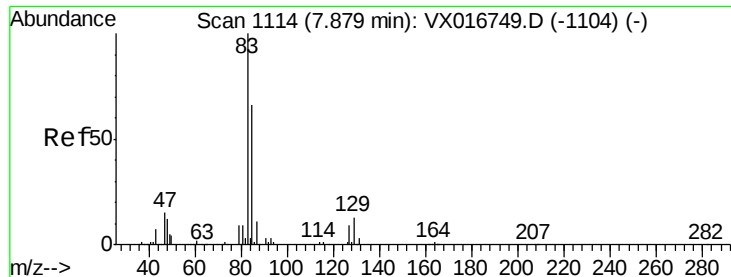
MMDadoda
 6/17/2020 9:35:10 AM



#46
 Dibromomethane
 Concen: 18.603 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.9	100.3
174	118.6	93.8	140.8





#47

Bromodichloromethane

Concen: 18.126 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

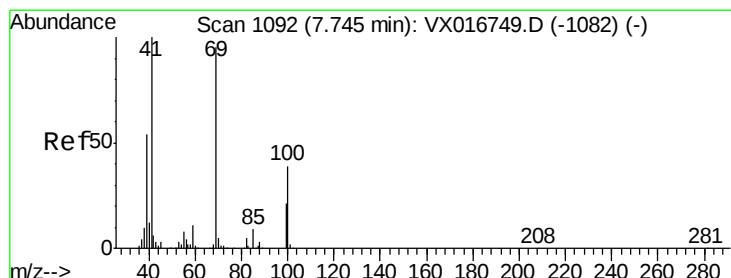
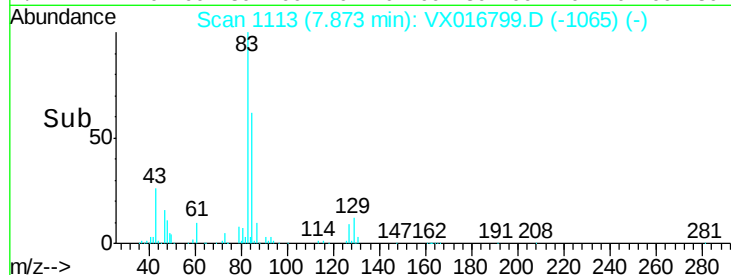
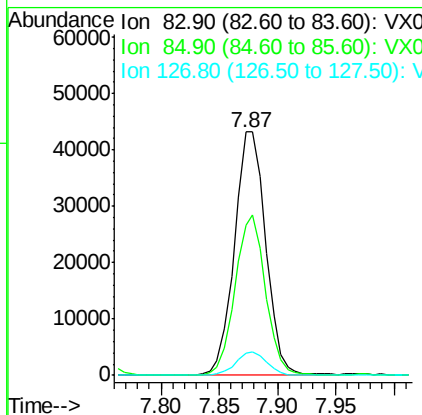
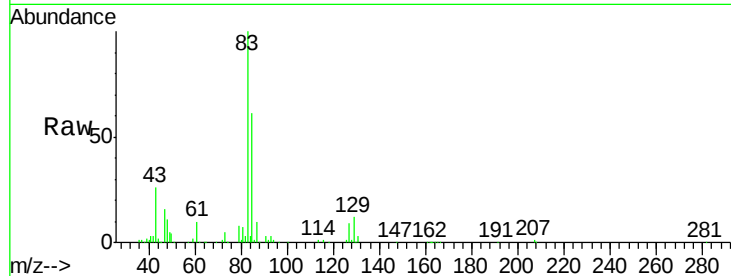
ClientSampleId :

VX0616WBSD02

Tot Ion:	83	Resp:	81447
Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.5	78.7
127	9.3	7.5	11.3

Manual Integrations
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MMDadoda
6/17/2020 9:35:10 AM



#48

Methyl methacrylate

Concen: 18.807 ug/l

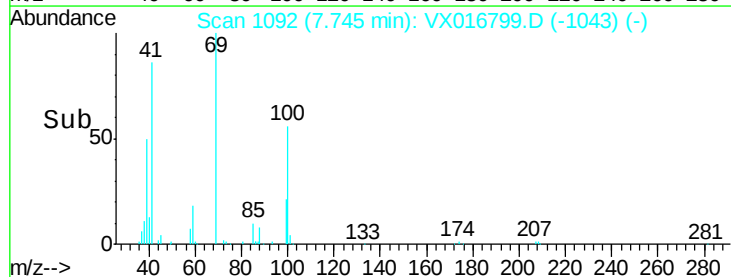
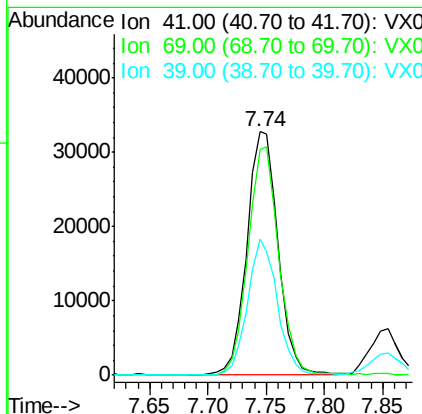
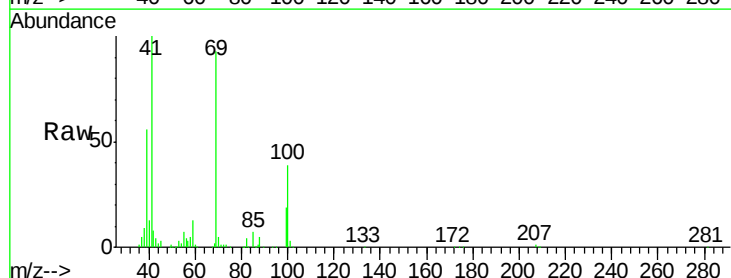
RT: 7.74 min Scan# 1092

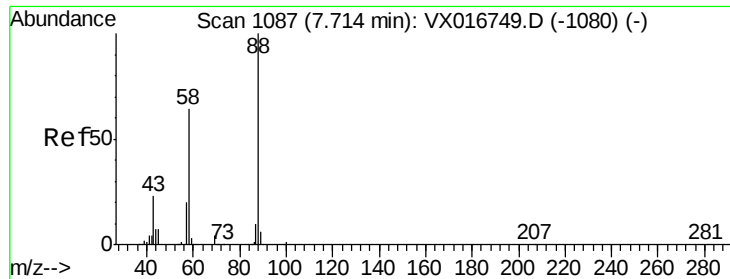
Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Tgt Ion:	41	Resp:	60618
Ion	Ratio	Lower	Upper
41	100		
69	93.4	75.0	112.6
39	54.0	44.3	66.5





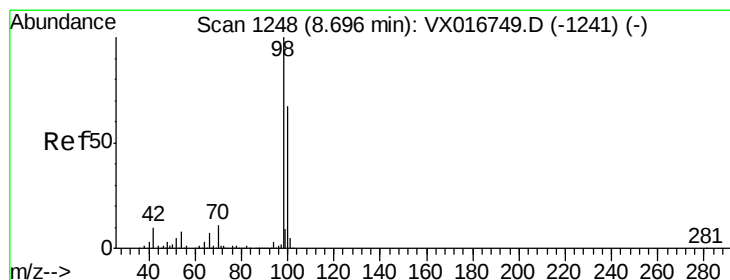
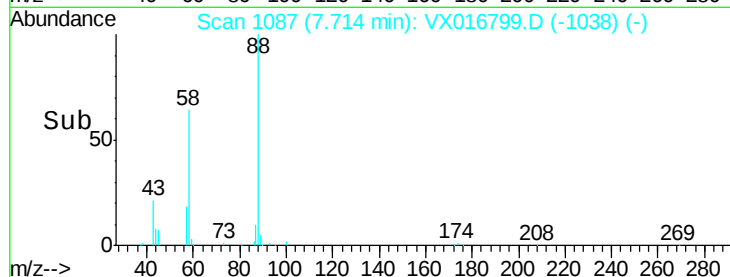
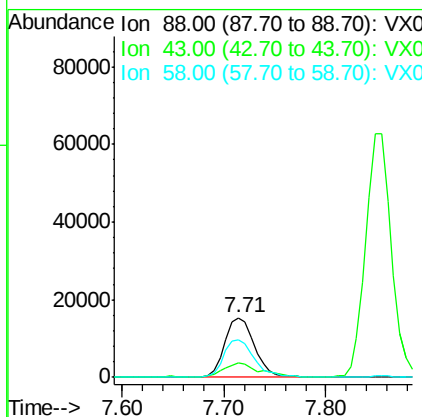
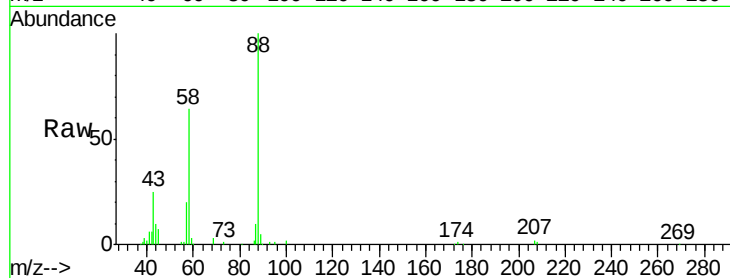
#49
1,4-Dioxane
Concen: 389.420 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	22.9	34.3
58	65.6	53.7	80.5

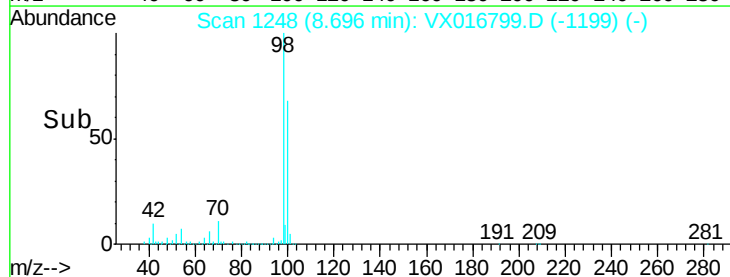
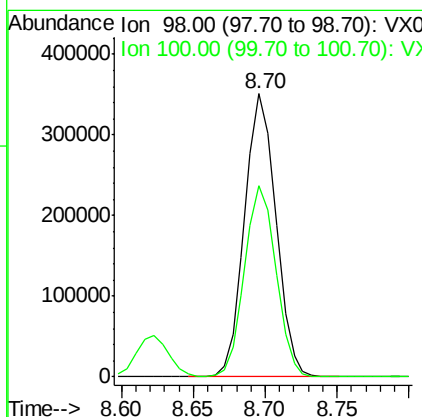
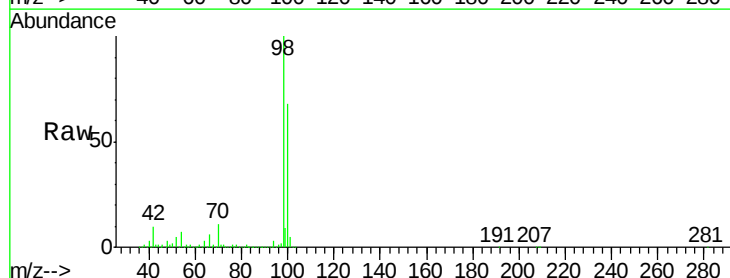
Manual Integrations
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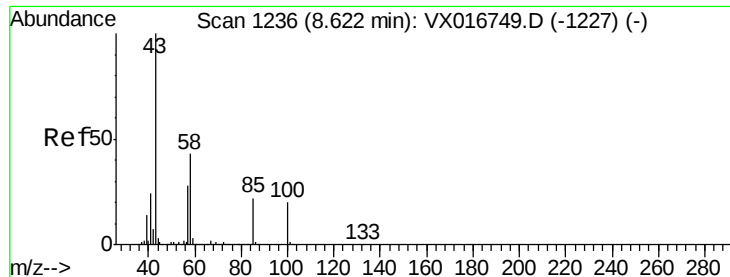
MMDadoda
6/17/2020 9:35:10 AM



#50
Toluene-d8
Concen: 52.112 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.9	80.9





#51

4-Methyl-2-Pentanone

Concen: 98.382 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 43 Resp: 412274

Ion Ratio Lower Upper

43 100

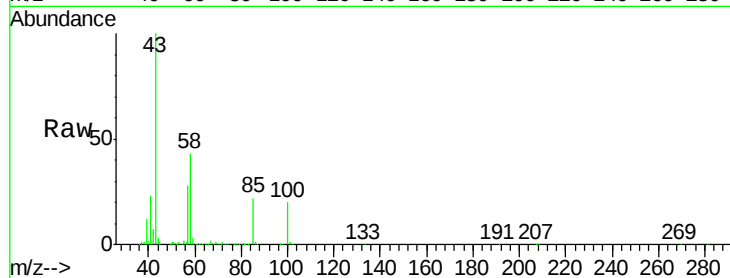
58 43.1 34.6 52.0

Manual Integrations

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6/17/2020 9:35:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

250000

200000

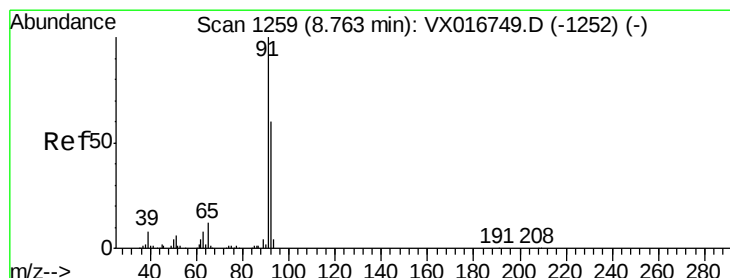
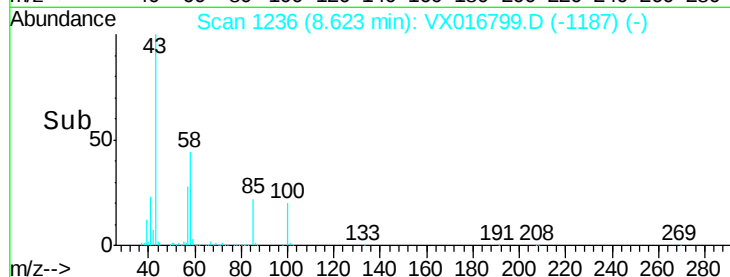
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.771 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX016799.D

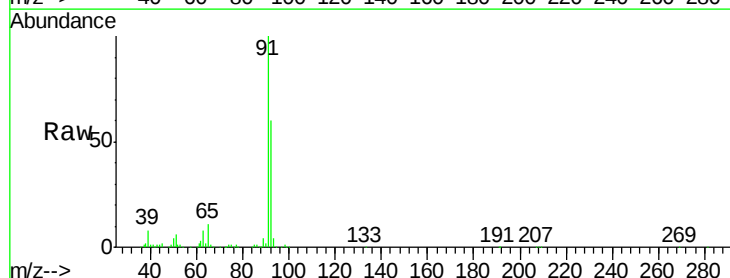
Acq: 17 Jun 2020 00:11

Tgt Ion: 92 Resp: 147085

Ion Ratio Lower Upper

92 100

91 167.9 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

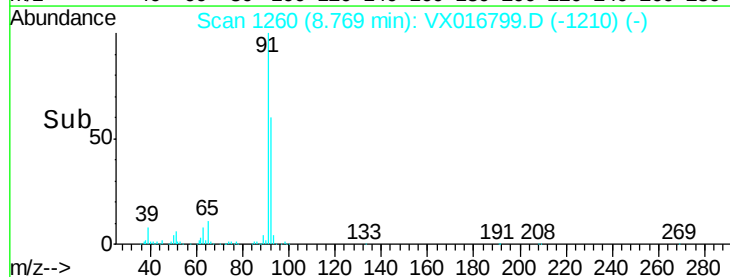
150000

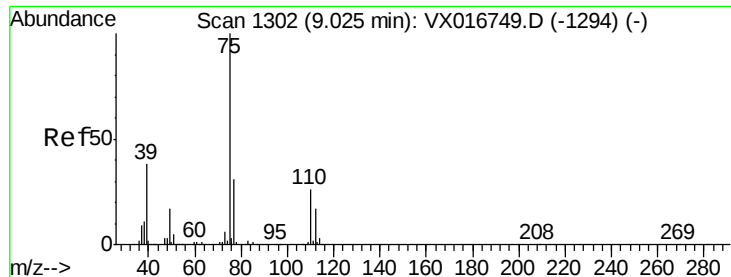
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.647 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 75 Resp: 89563

Ion Ratio Lower Upper

75 100

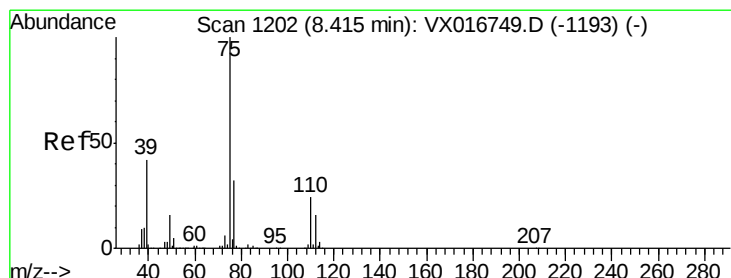
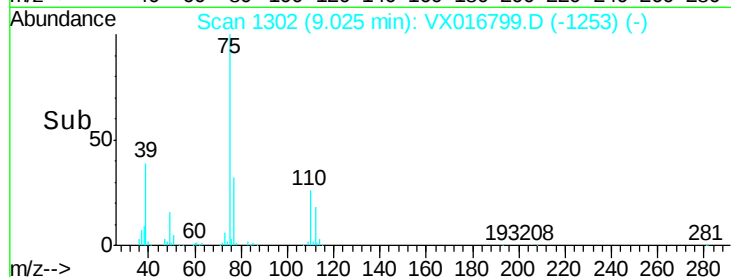
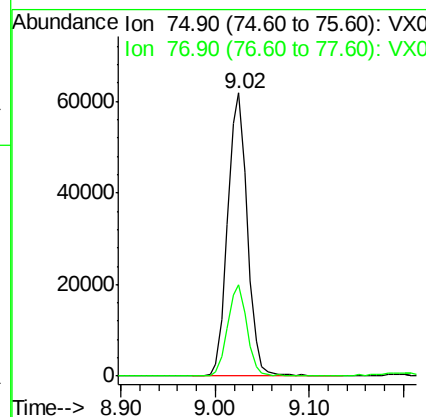
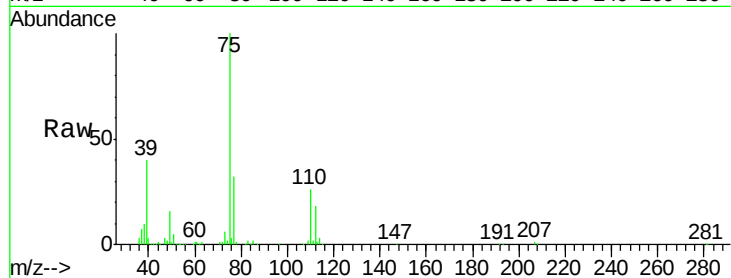
77 32.5 24.7 37.1

Manual Integrations

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6/17/2020 9:35:10 AM



#54

cis-1,3-Dichloropropene

Concen: 17.976 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

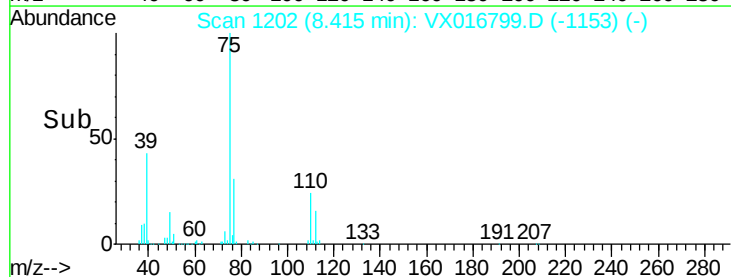
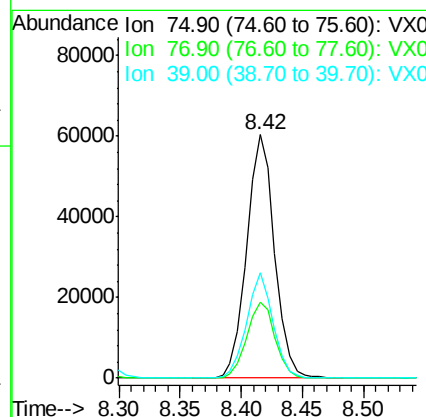
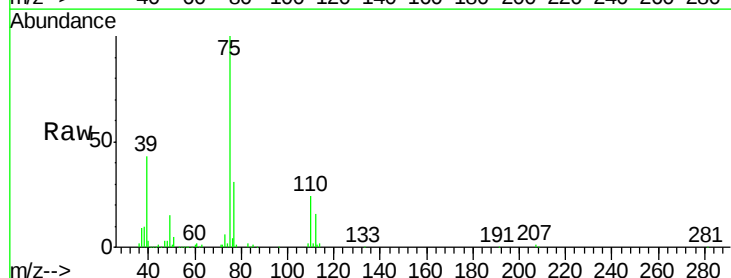
Tgt Ion: 75 Resp: 95163

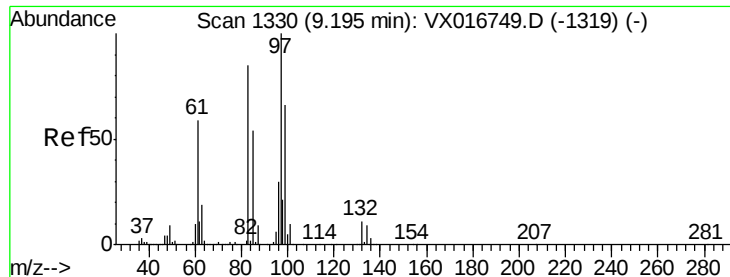
Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 43.2 33.7 50.5





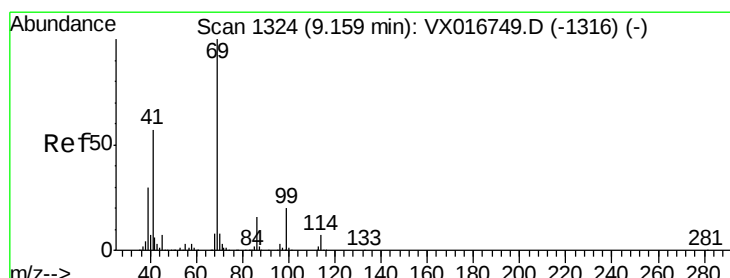
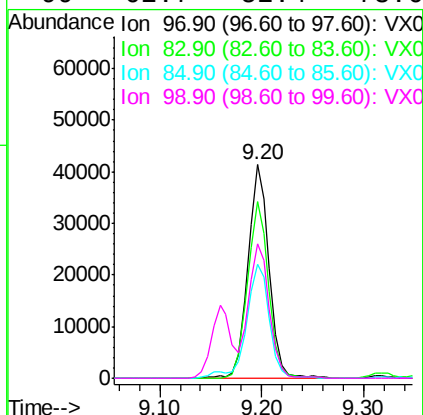
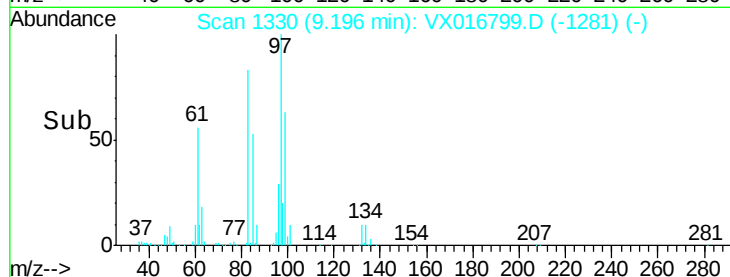
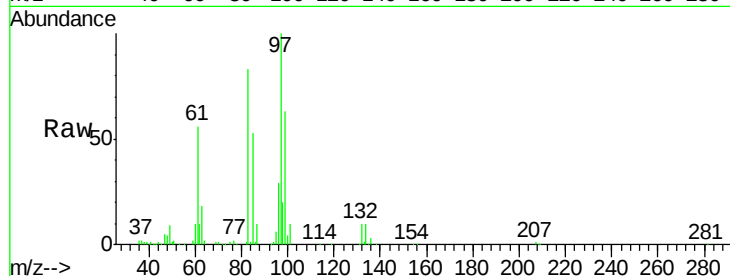
#55
 1,1,2-Trichloroethane
 Concen: 18.892 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59535		
83	82.6	68.3	102.5		
85	53.1	43.5	65.3		
99	62.7	52.4	78.6		

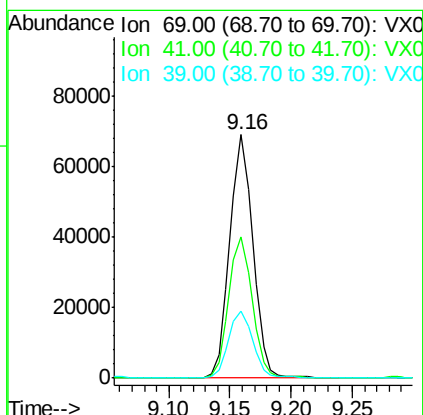
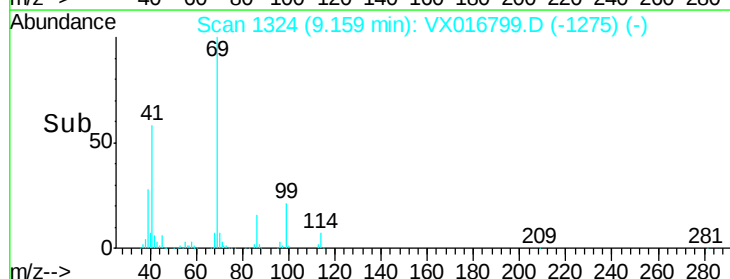
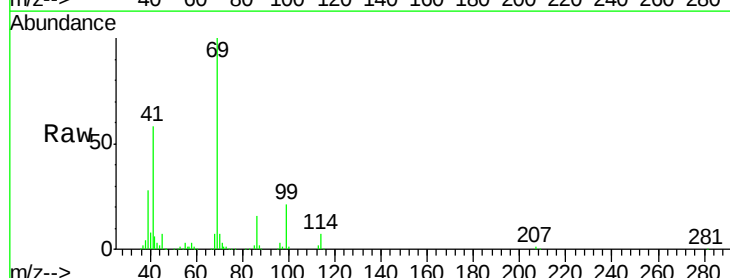
Manual Integrations
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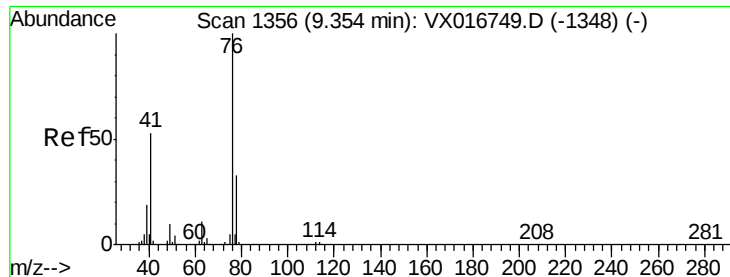
MMDadoda
 6/17/2020 9:35:10 AM



#56
 Ethyl methacrylate
 Concen: 19.275 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		90945		
41	59.3	47.1	70.7		
39	29.2	25.0	37.6		





#57

1,3-Dichloropropane

Concen: 18.736 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 76 Resp: 99247

Ion Ratio Lower Upper

76 100

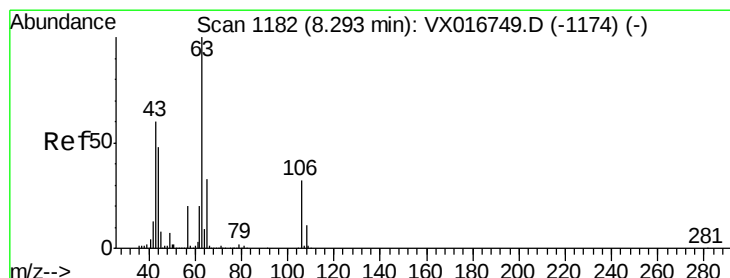
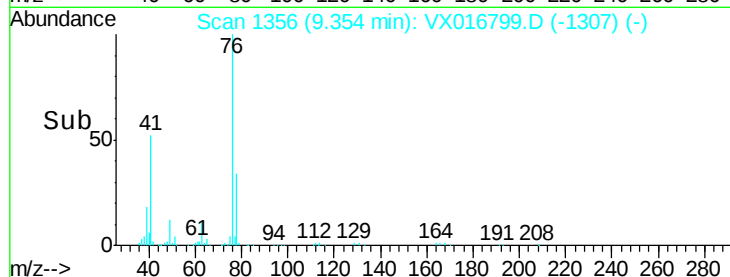
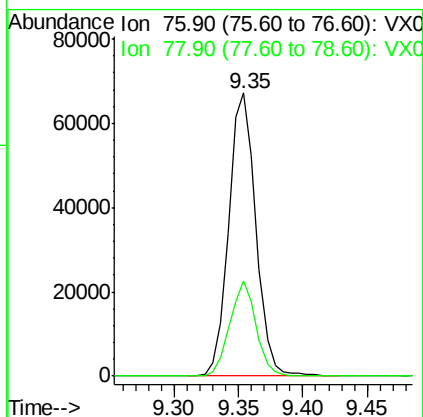
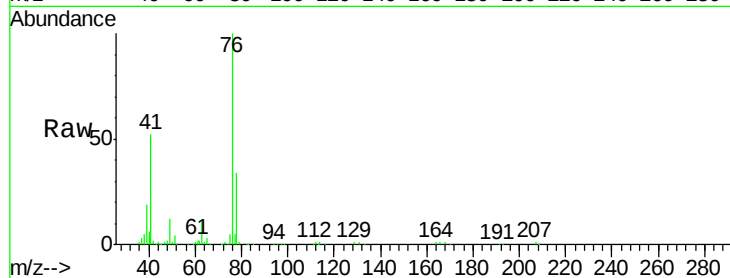
78 32.4 25.7 38.5

Manual Integrations

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MMDadoda

6/17/2020 9:35:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.673 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016799.D

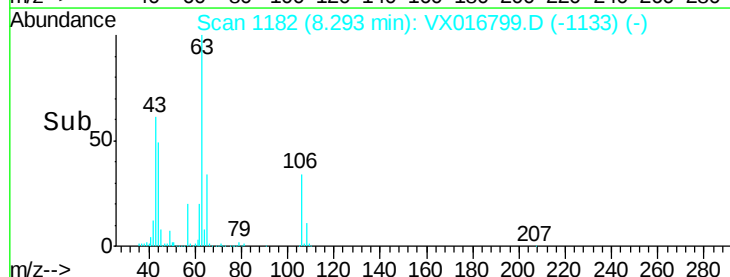
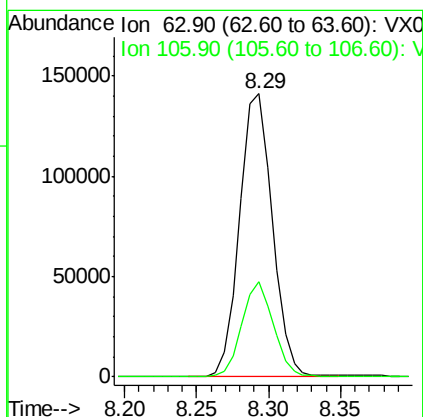
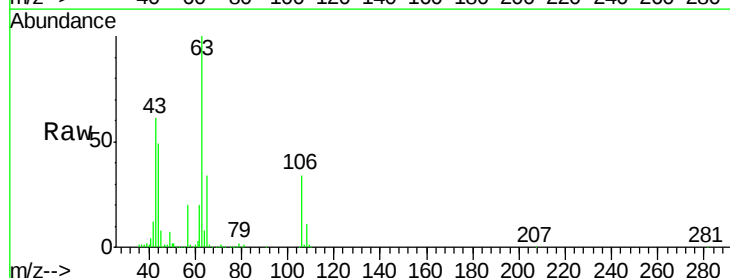
Acq: 17 Jun 2020 00:11

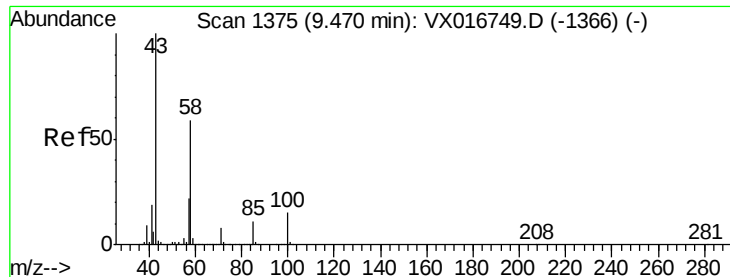
Tgt Ion: 63 Resp: 224270

Ion Ratio Lower Upper

63 100

106 32.0 25.5 38.3





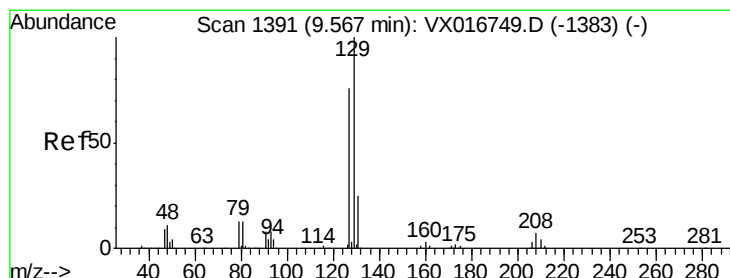
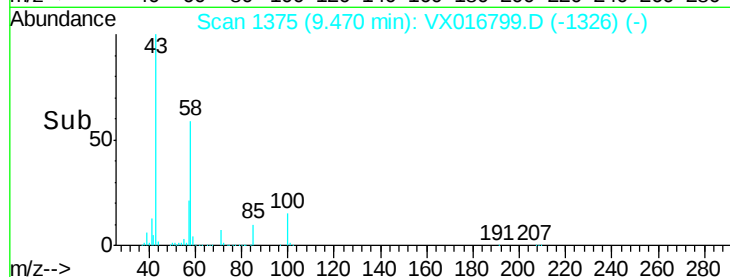
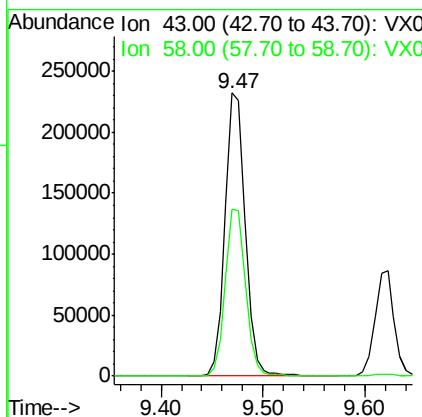
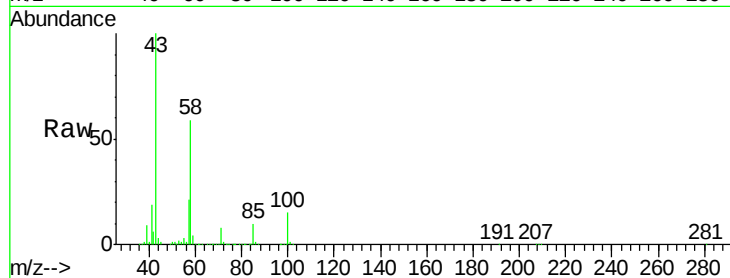
#59
2-Hexanone
Concen: 98.529 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	43	Resp	318737
Ion Ratio	43	100	
Lower	58	59.8	29.9
Upper			89.8

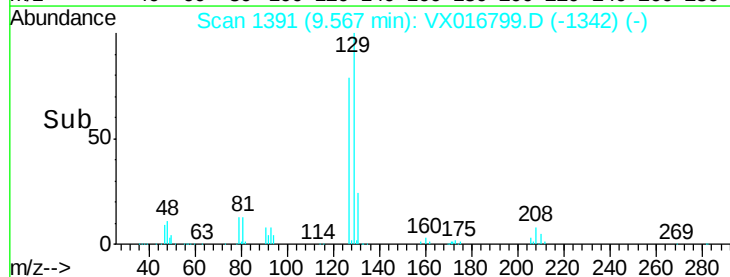
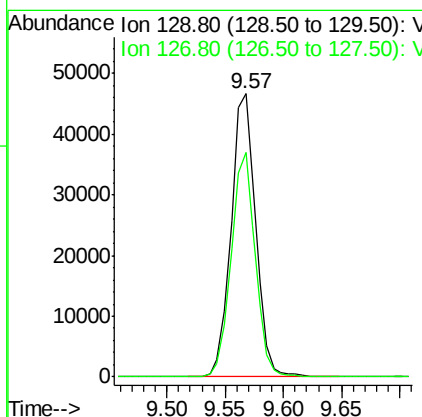
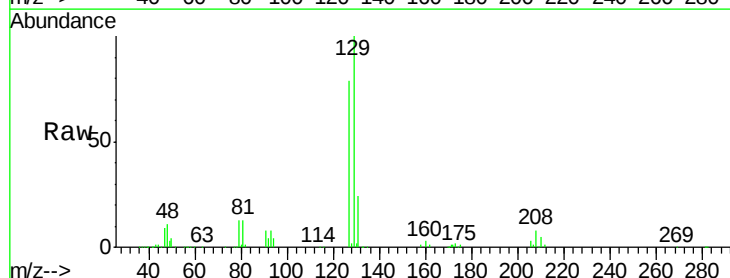
Manual Integrations
APPROVED

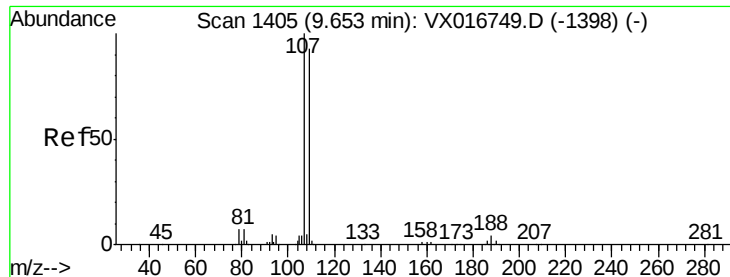
MMDadoda
6/17/2020 9:35:10 AM



#60
Dibromochloromethane
Concen: 18.494 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	129	Resp	68878
Ion Ratio	129	100	
Lower	127	77.4	38.7
Upper			116.1





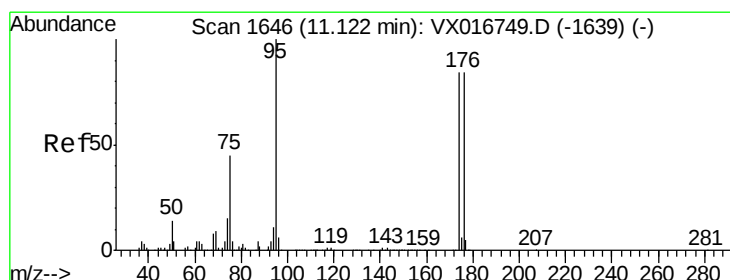
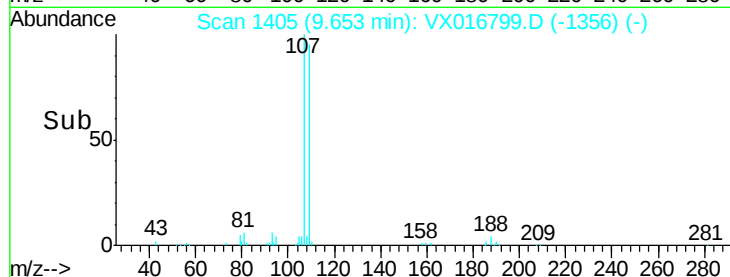
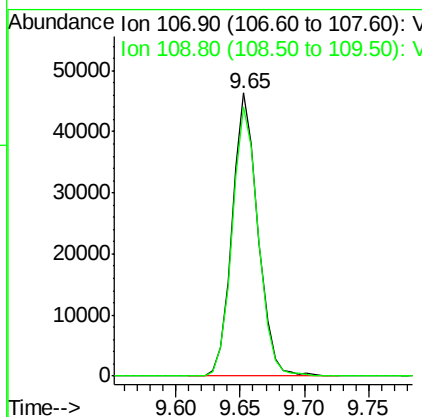
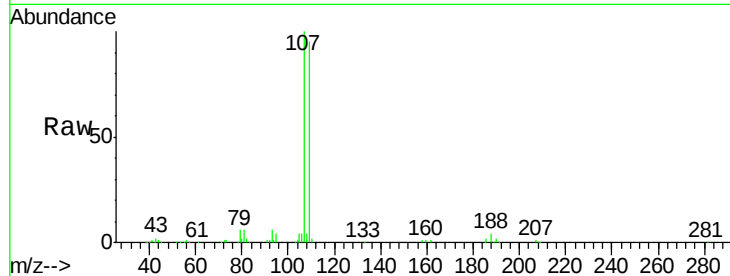
#61
 1,2-Dibromoethane
 Concen: 18.770 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Tot Ion: 107 Resp: 64465
 Ion Ratio Lower Upper
 107 100
 109 96.3 74.2 111.4

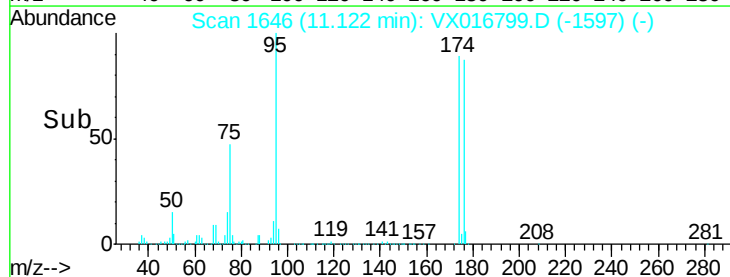
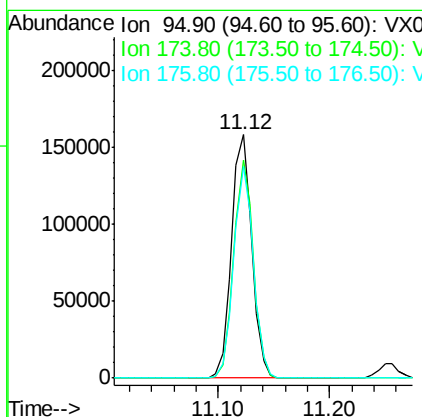
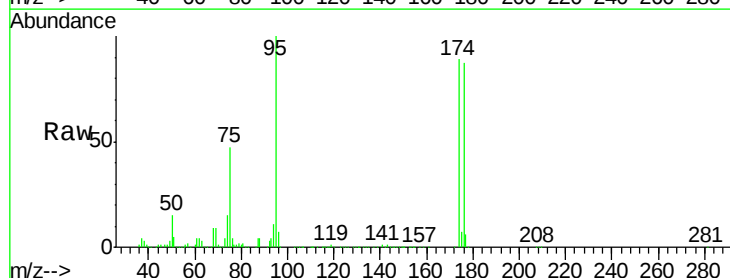
Manual Integrations
 APPROVED

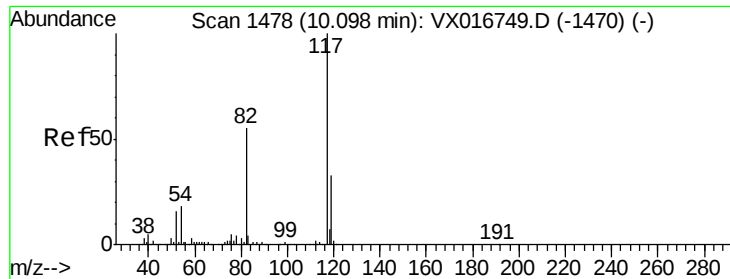
MMDadoda
 6/17/2020 9:35:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.042 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion: 95 Resp: 199140
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 171.0
 176 85.0 0.0 166.2





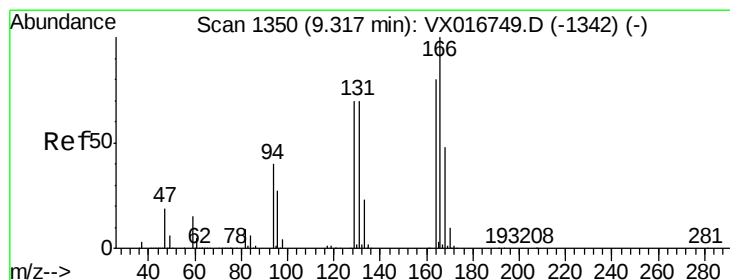
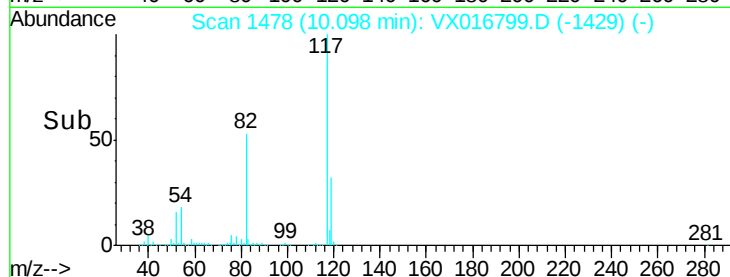
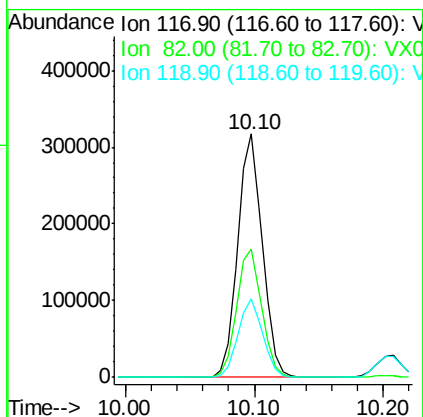
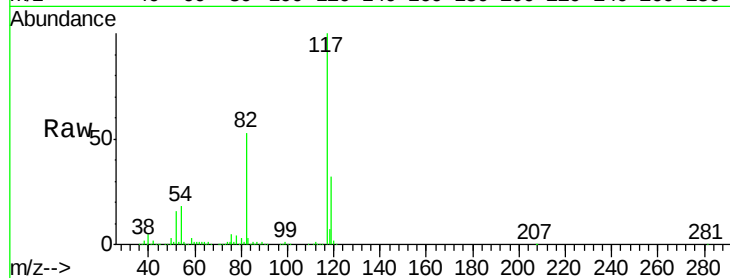
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.8	65.6
119	32.4	26.2	39.4

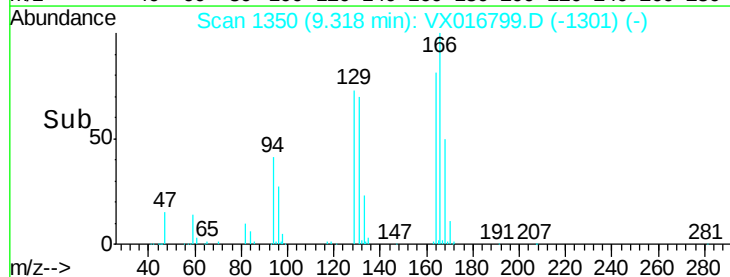
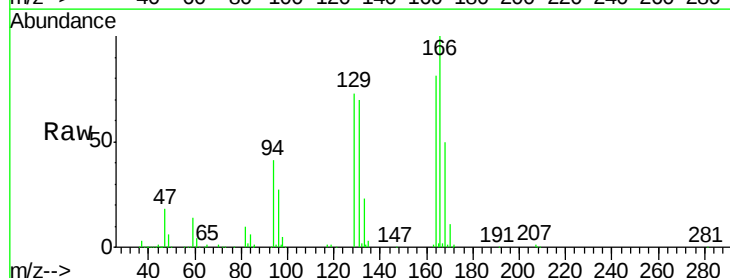
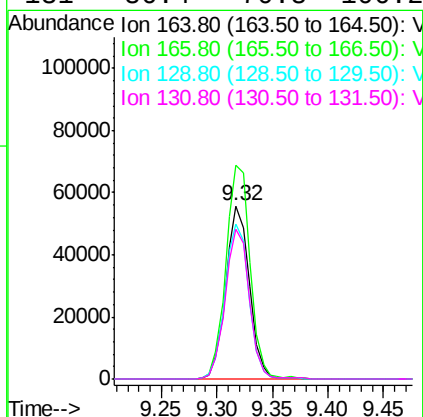
Manual Integrations
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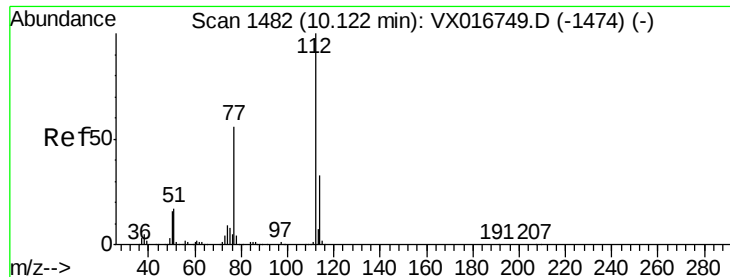
MMDadoda
6/17/2020 9:35:10 AM



#64
Tetrachloroethene
Concen: 20.281 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.6	150.8
129	89.8	70.1	105.1
131	86.4	70.8	106.2





#65

Chlorobenzene

Concen: 18.789 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion:112 Resp: 160112

Ion Ratio Lower Upper

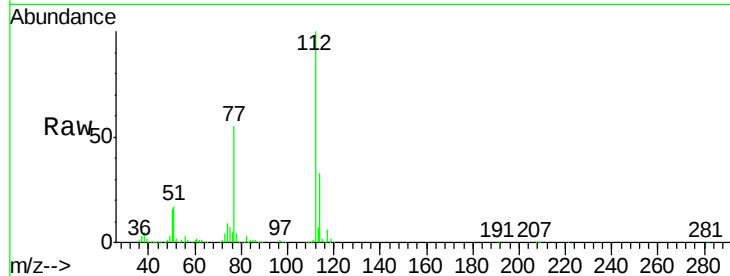
112 100

114 32.8 26.2 39.4

Manual Integrations
APPROVED

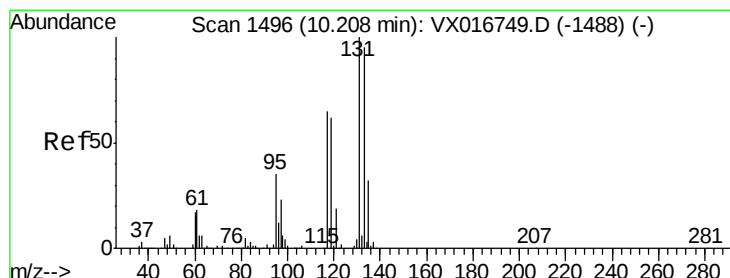
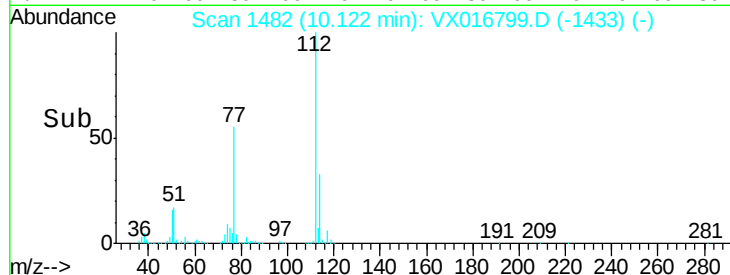
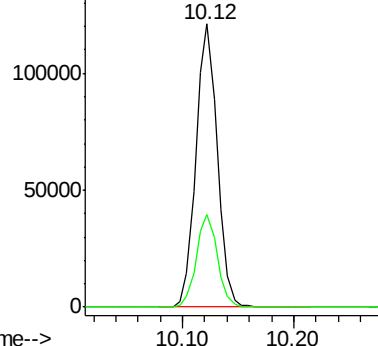
MMDadoda

6/17/2020 9:35:10 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.210 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

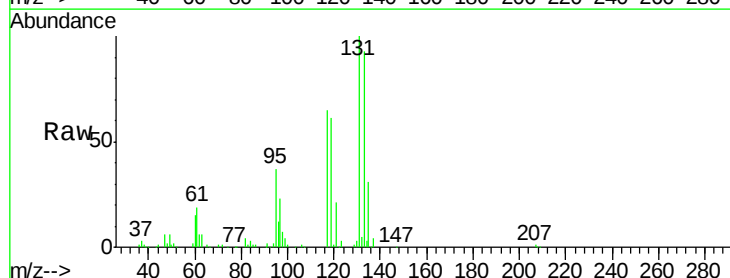
Tgt Ion:131 Resp: 61903

Ion Ratio Lower Upper

131 100

133 96.9 46.8 140.3

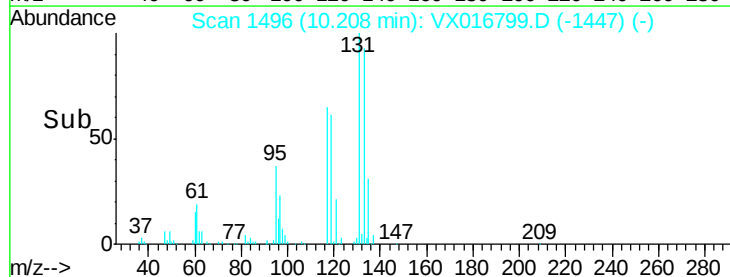
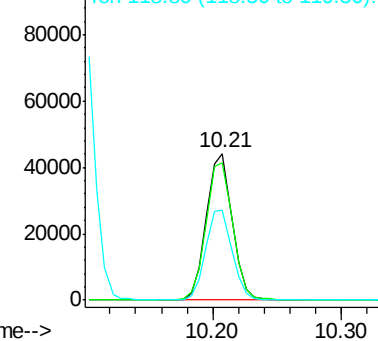
119 63.2 31.4 94.0

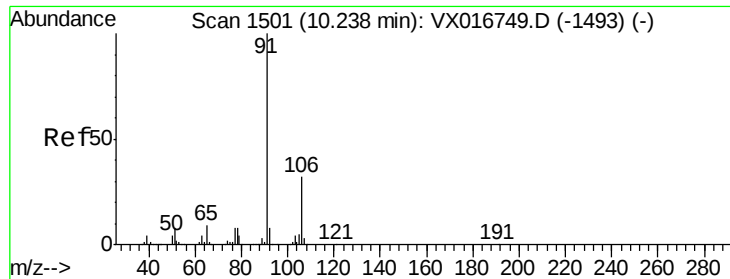


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





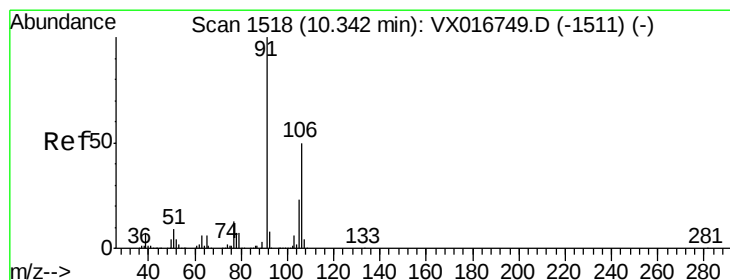
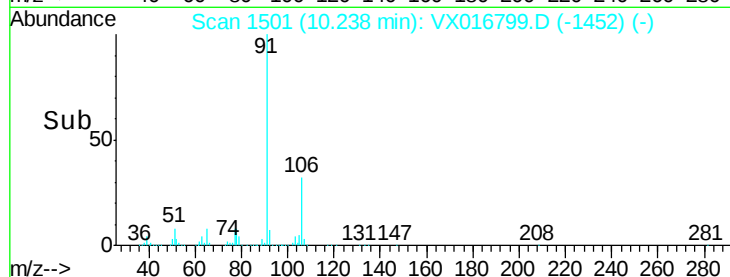
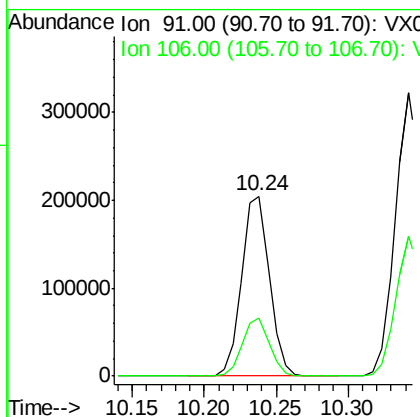
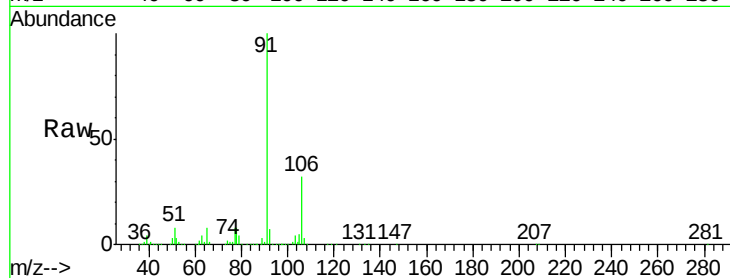
#67
Ethyl Benzene
Concen: 18.999 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion: 91 Resp: 273692
Ion Ratio Lower Upper
91 100
106 32.5 25.3 37.9

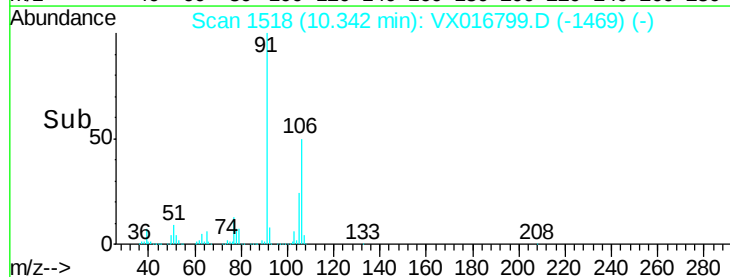
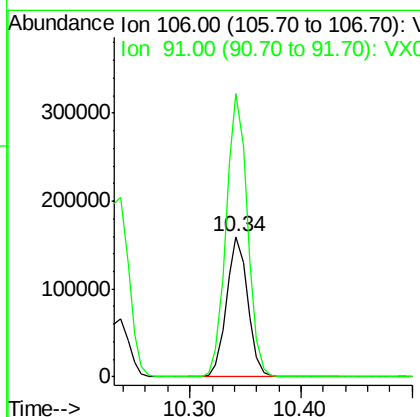
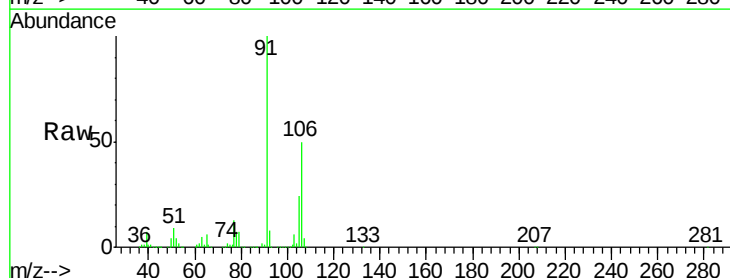
Manual Integrations
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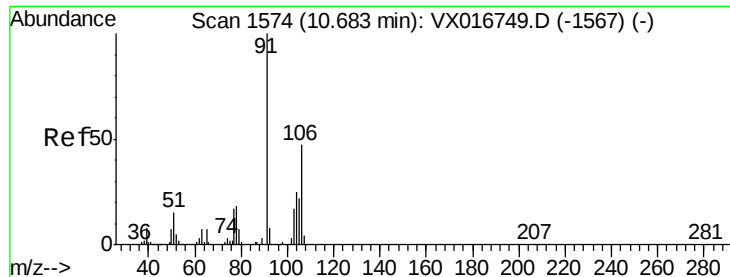
MMDadoda
6/17/2020 9:35:10 AM



#68
m/p-Xylenes
Concen: 38.366 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion: 106 Resp: 209559
Ion Ratio Lower Upper
106 100
91 203.1 161.2 241.8





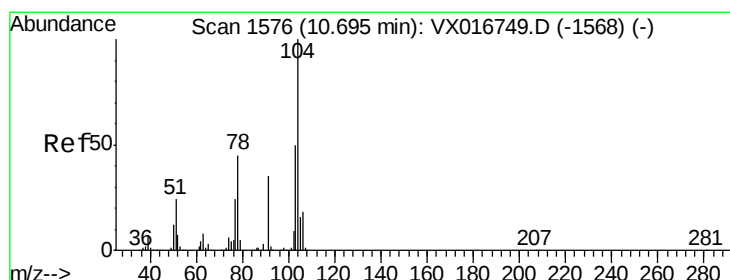
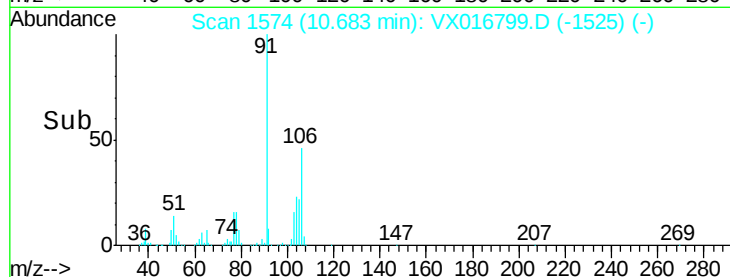
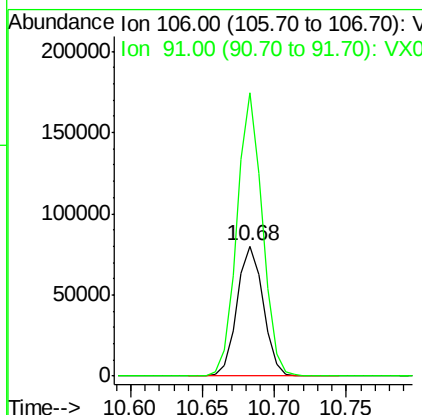
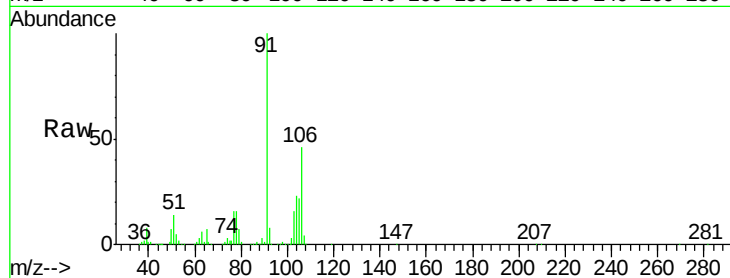
#69
o-Xylene
Concen: 19.368 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	101917		
91	91	210.3	106.9	320.8	

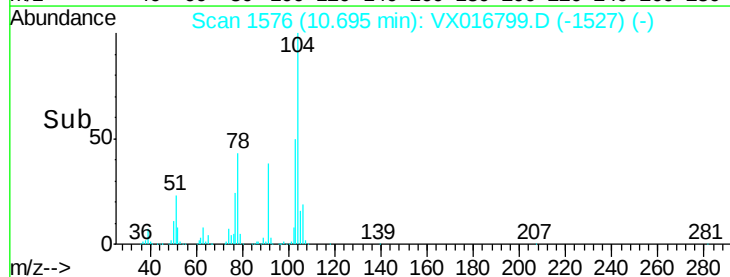
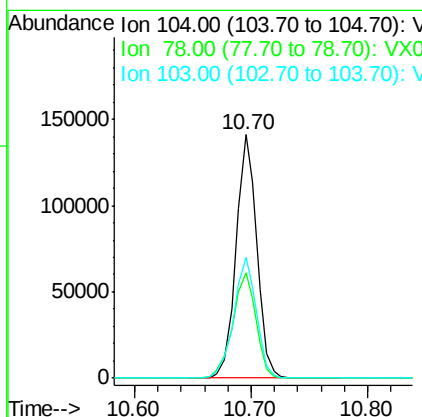
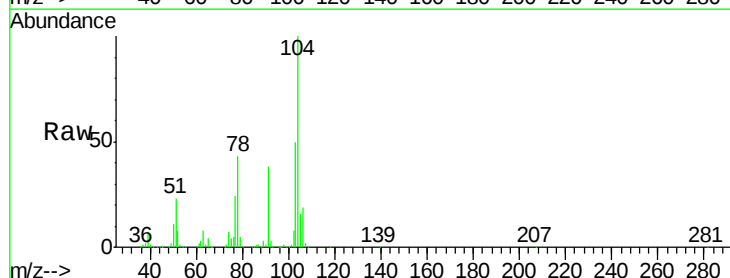
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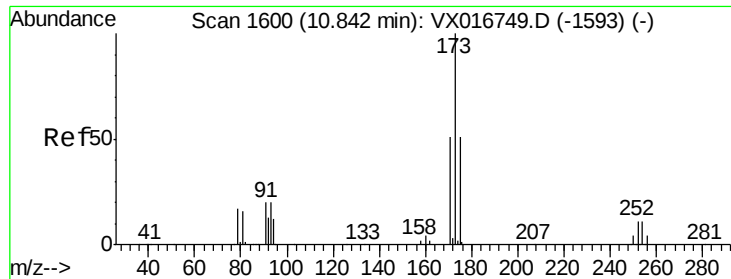
MMDadoda
6/17/2020 9:35:10 AM



#70
Styrene
Concen: 19.340 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	175925		
78	78	48.4	39.8	59.8	
103	103	53.7	43.4	65.2	





#71

Bromoform

Concen: 18.555 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

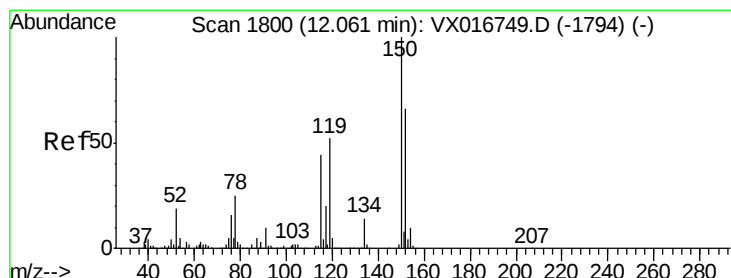
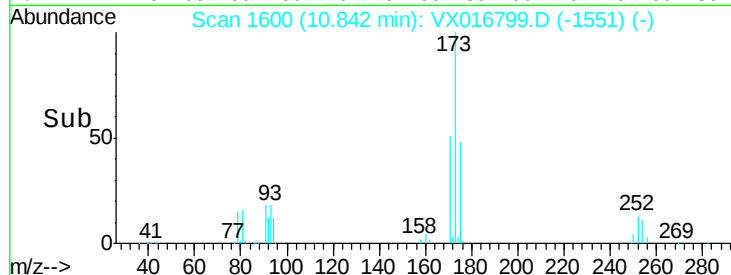
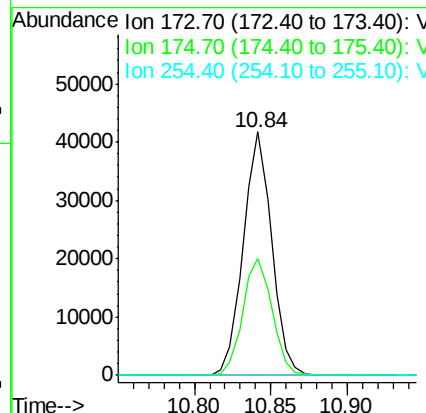
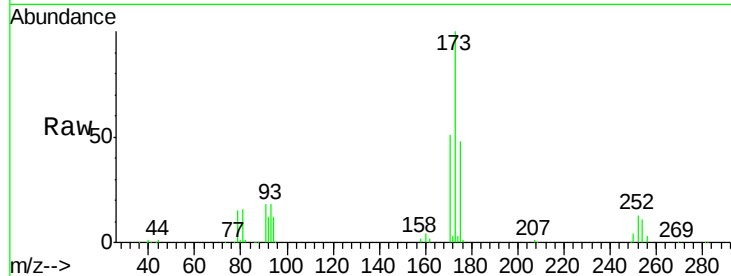
ClientSampleId :

VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	25.1	75.4
254	0.0	0.1	0.1#

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6/17/2020 9:35:10 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

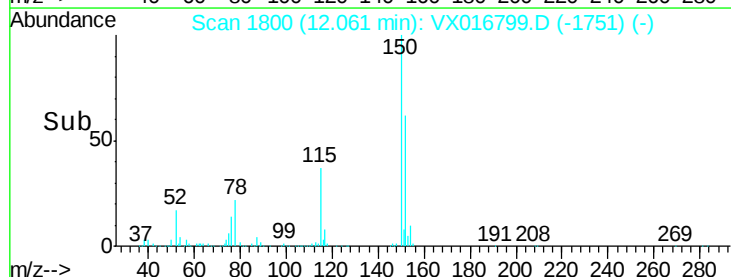
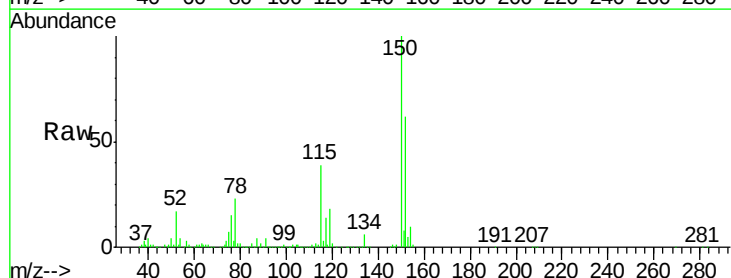
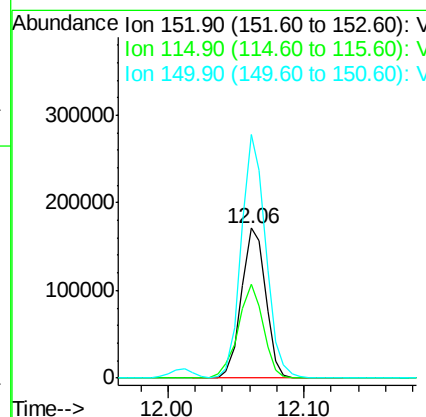
RT: 12.06 min Scan# 1800

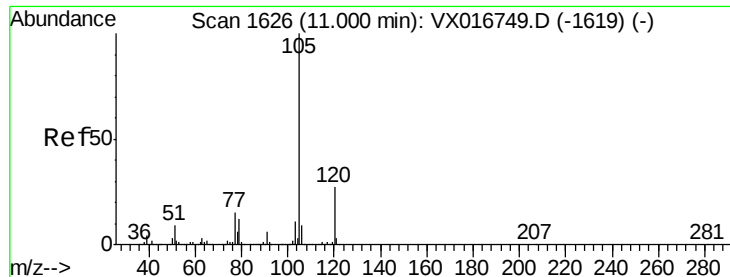
Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	40.3	120.8
150	163.8	0.0	337.4





#73

Isopropylbenzene

Concen: 19.579 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 105 Resp: 271507

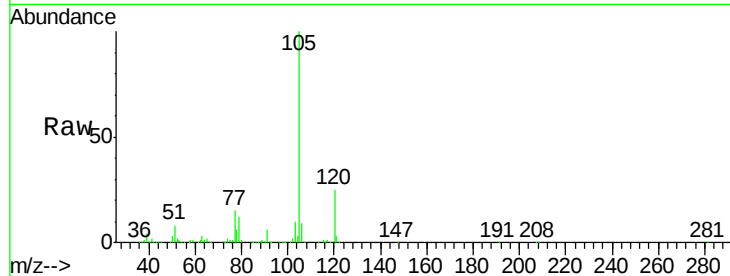
Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5

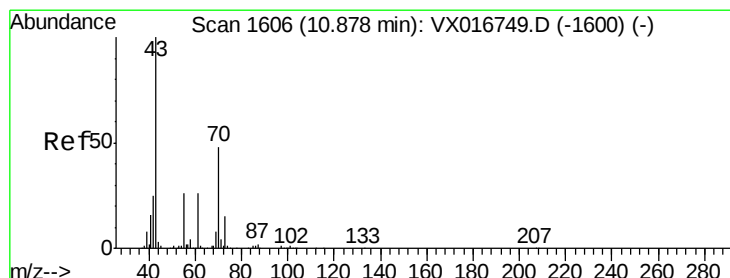
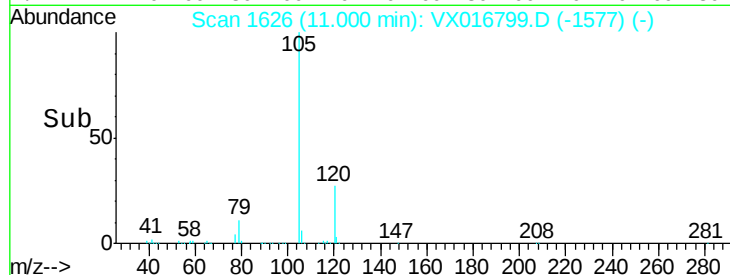
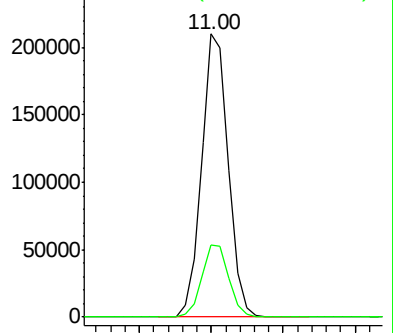
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.790 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Tgt Ion: 43 Resp: 106662

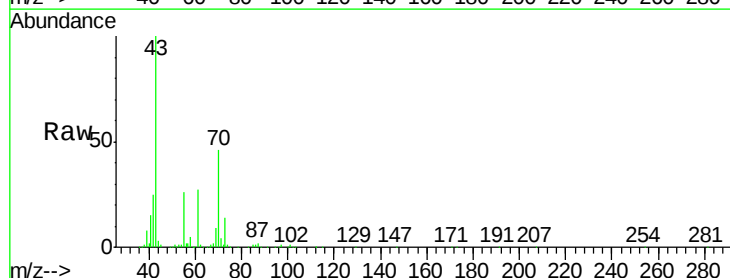
Ion Ratio Lower Upper

43 100

70 48.4 39.8 59.6

55 26.6 21.7 32.5

61 26.9 21.6 32.4

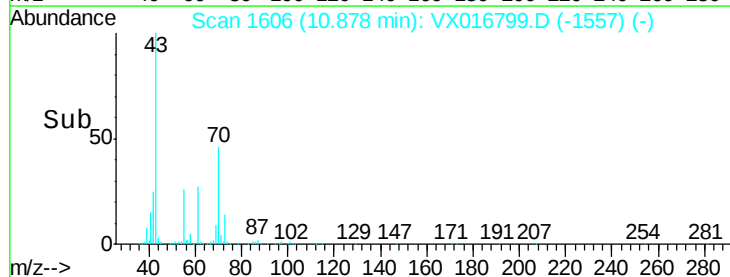
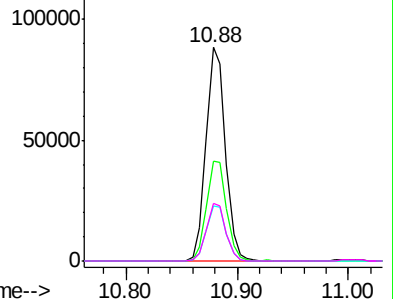


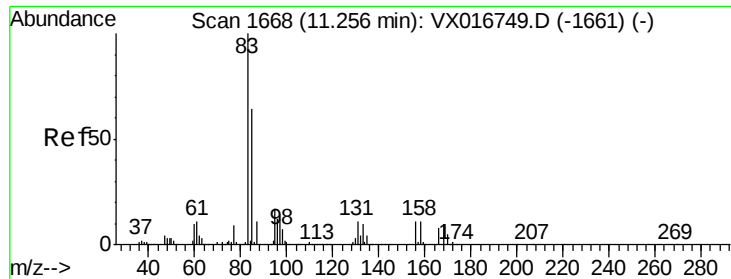
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.613 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

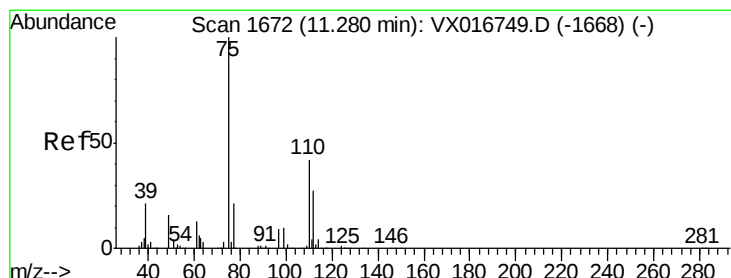
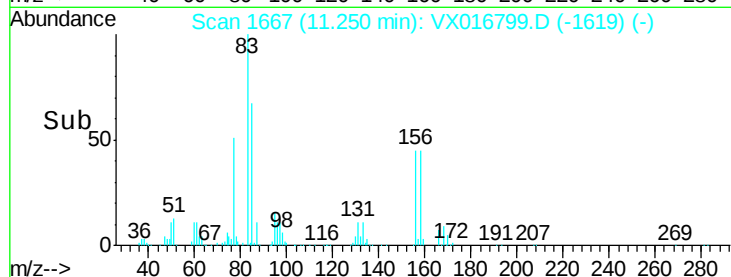
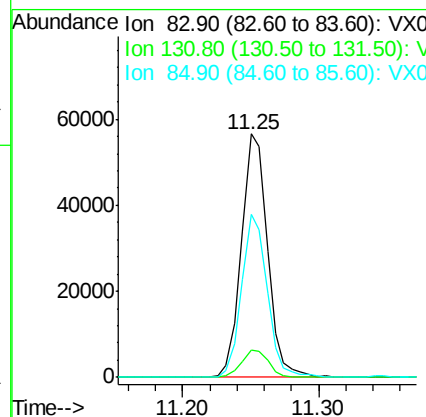
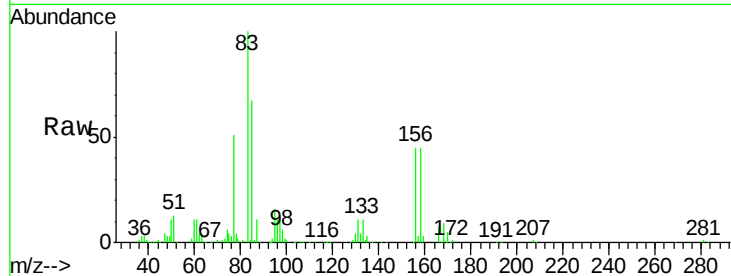
ClientSampleId :

VX0616WBSD02

Tot Ion:	83	Resp:	75927
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.0
85	65.8	32.4	97.2

Manual Integrations
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MMDadoda
6/17/2020 9:35:10 AM



#76

1,2,3-Trichloropropane

Concen: 20.468 ug/l m

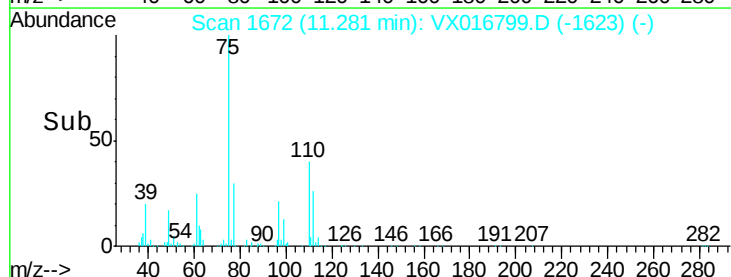
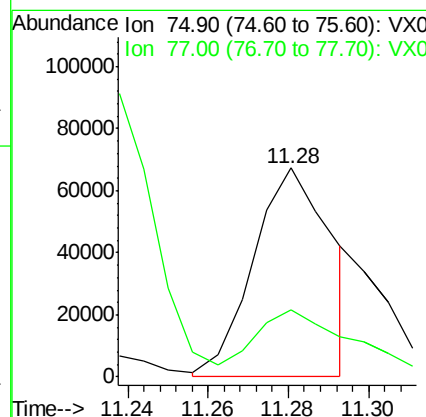
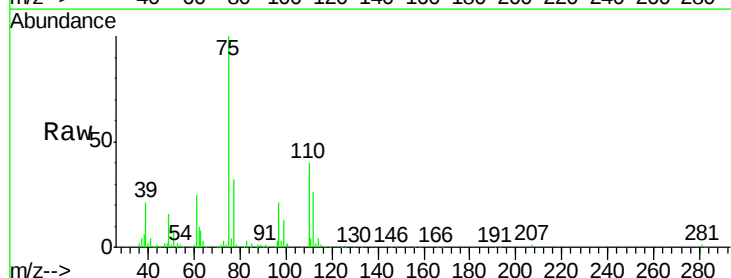
RT: 11.28 min Scan# 1672

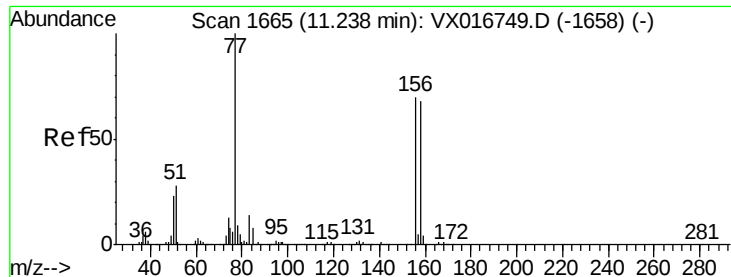
Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Tgt Ion:	75	Resp:	90965
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.3	60.9





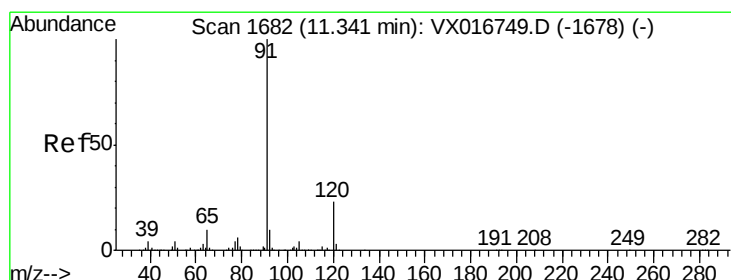
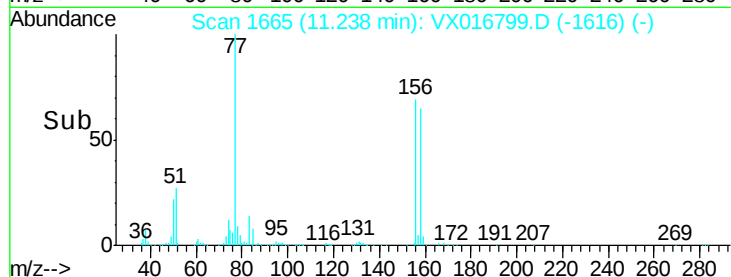
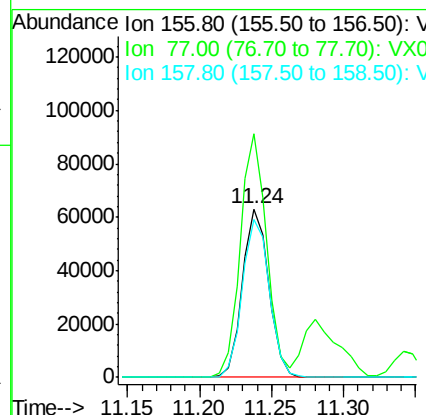
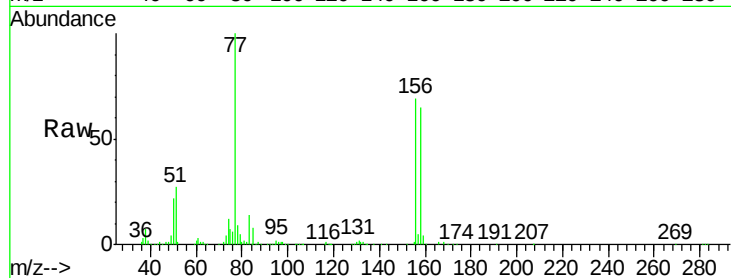
#77
Bromobenzene
Concen: 20.481 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.2	73.2	219.6
158	96.5	48.8	146.4

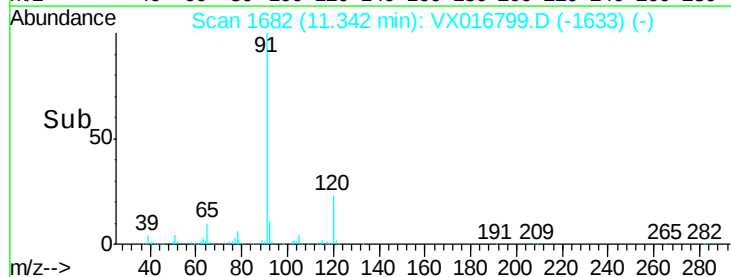
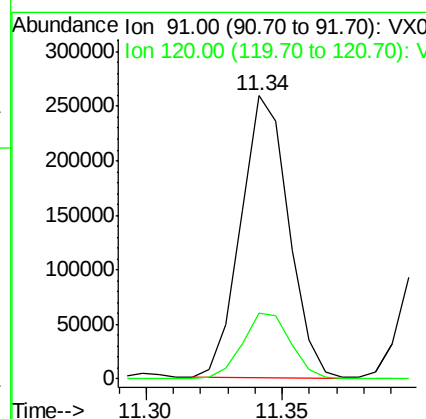
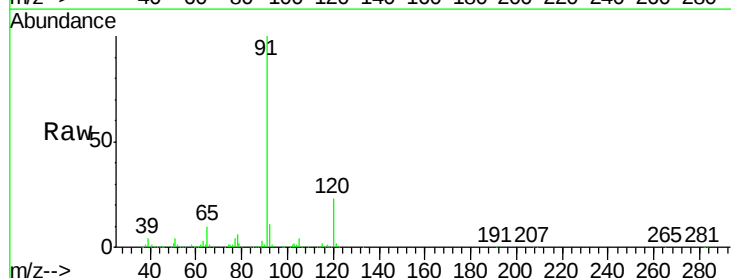
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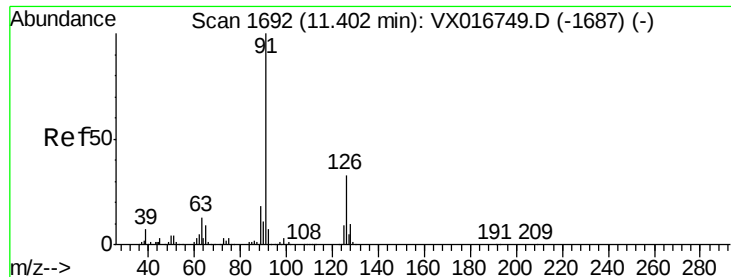
MMDadoda
6/17/2020 9:35:10 AM



#78
n-propylbenzene
Concen: 20.912 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.248 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBSD02

Tot Ion: 91 Resp: 192821

Ion Ratio Lower Upper

91 100

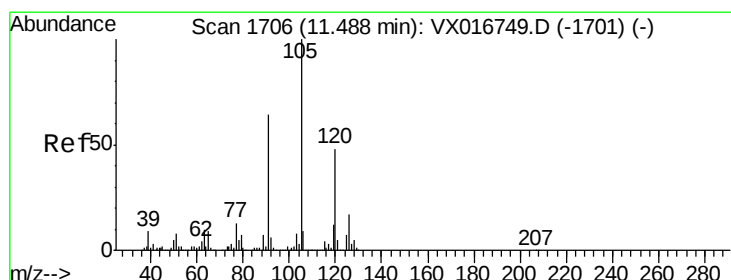
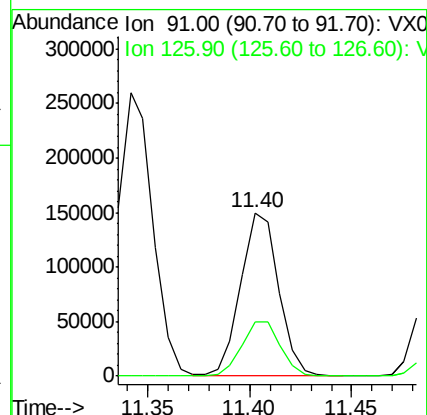
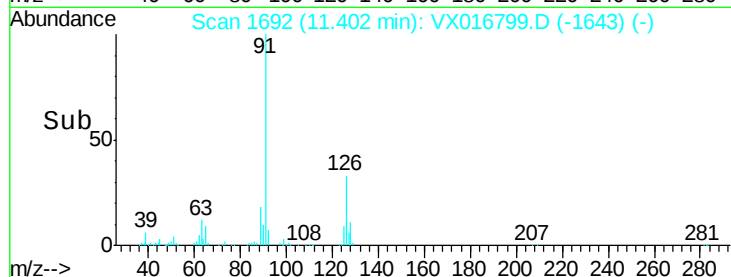
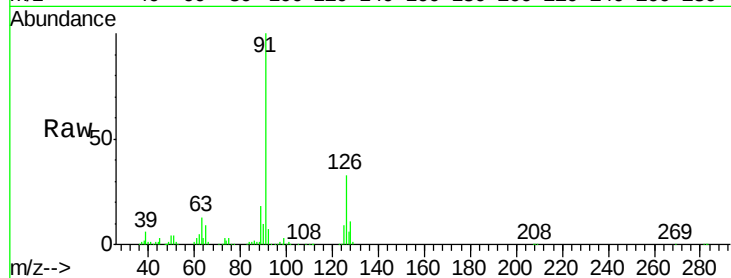
126 34.4 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 19.662 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016799.D

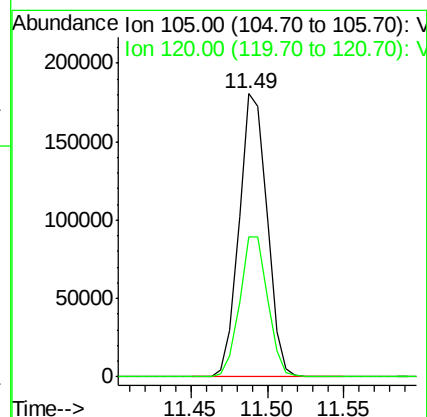
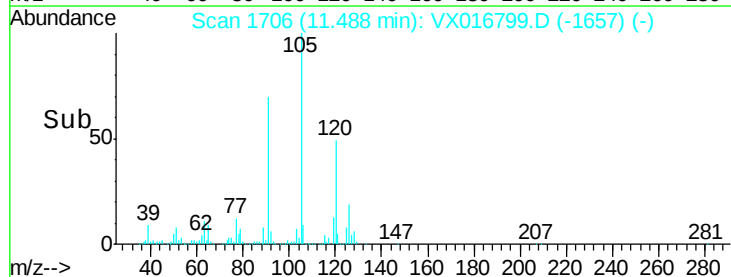
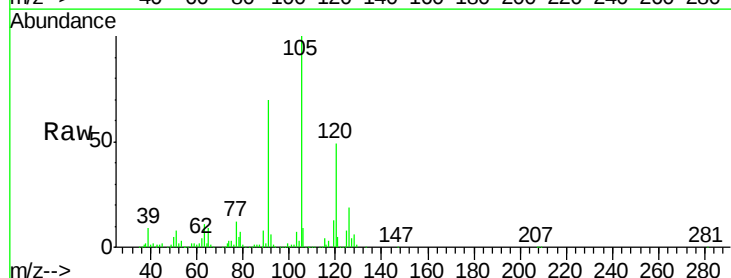
Acq: 17 Jun 2020 00:11

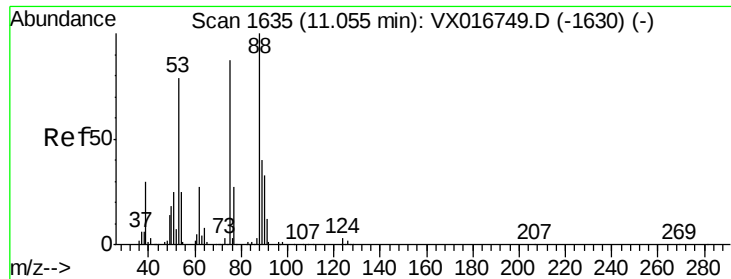
Tgt Ion: 105 Resp: 228557

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.523 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

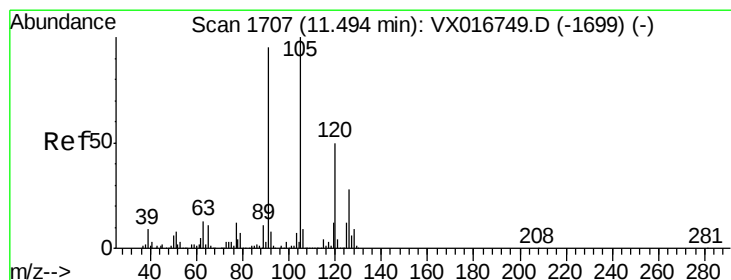
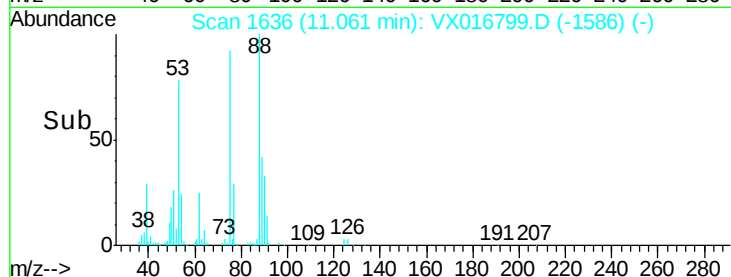
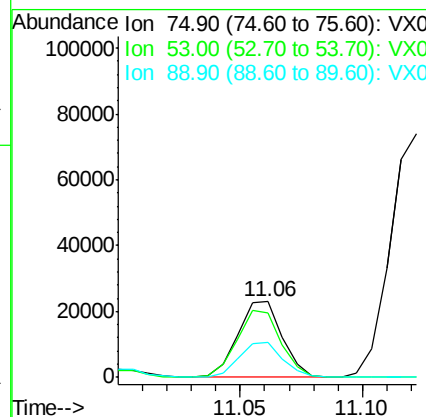
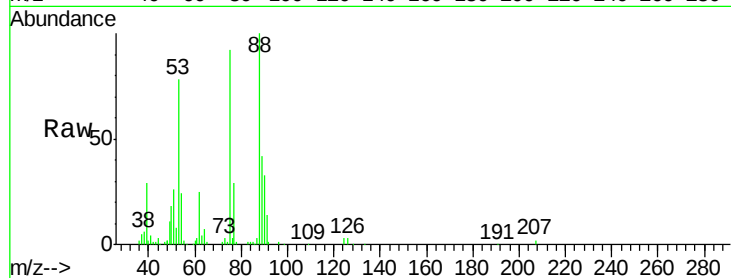
ClientSampleId :

VX0616WBSD02

Tot Ion:	75	Resp:	29170
Ion	Ratio	Lower	Upper
75	100		
53	87.8	71.4	107.0
89	45.3	39.1	58.7

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#82

4-Chlorotoluene

Concen: 19.567 ug/l

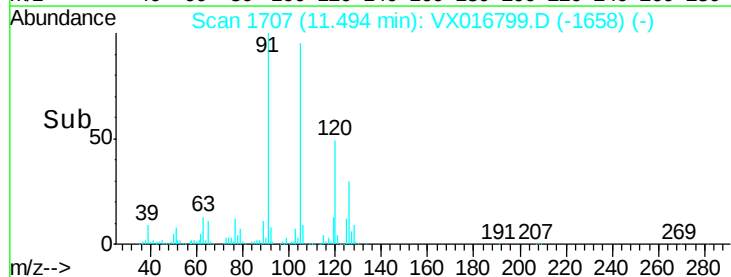
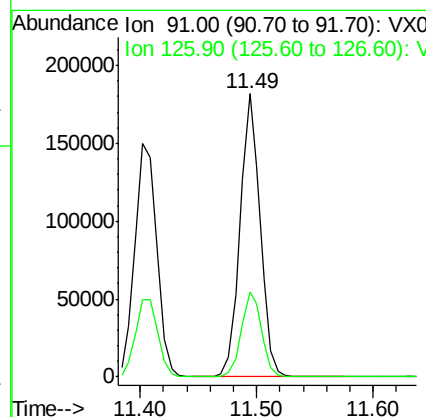
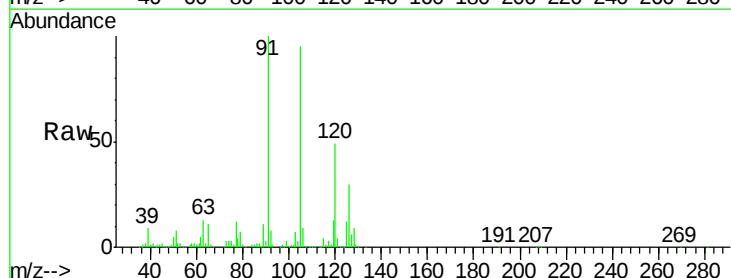
RT: 11.49 min Scan# 1707

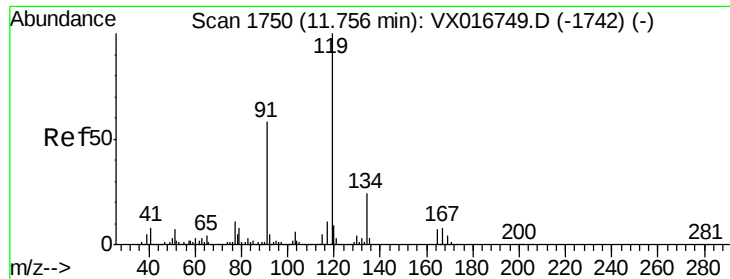
Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Tgt Ion:	91	Resp:	218110
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.2	45.6





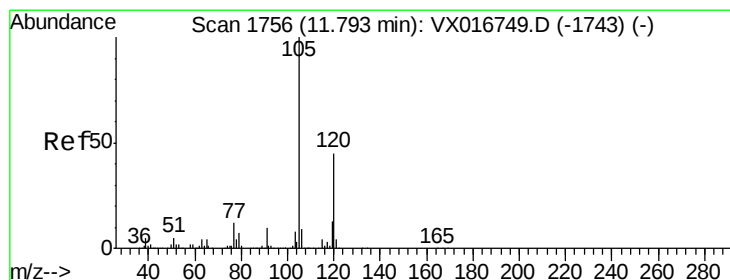
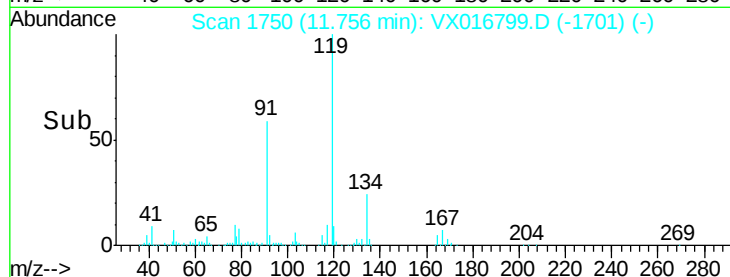
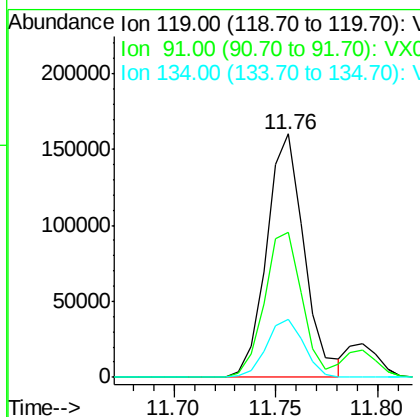
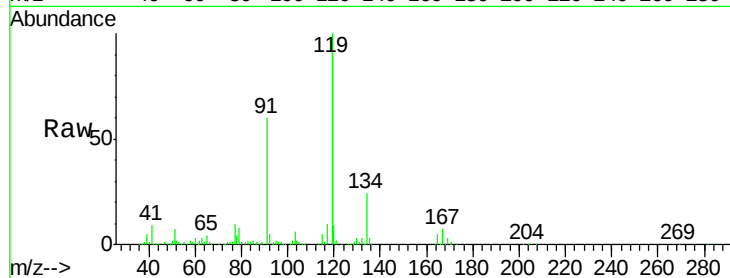
#83
tert-Butylbenzene
Concen: 19.291 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205195		
91	59.6	29.3	88.0	
134	23.7	11.8	35.3	

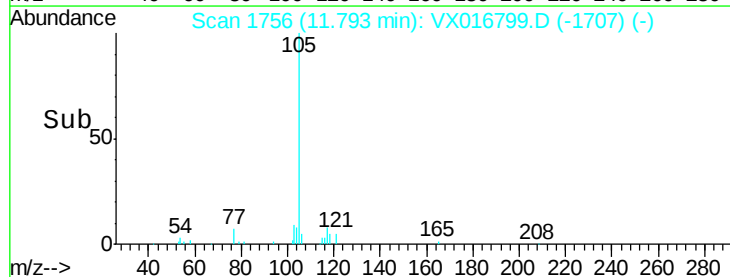
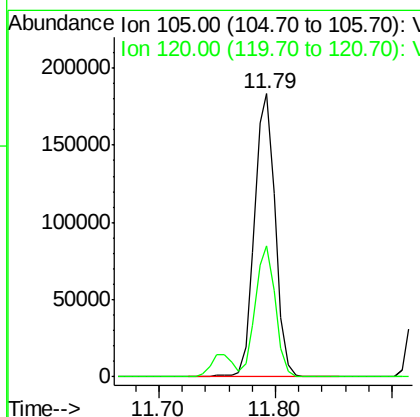
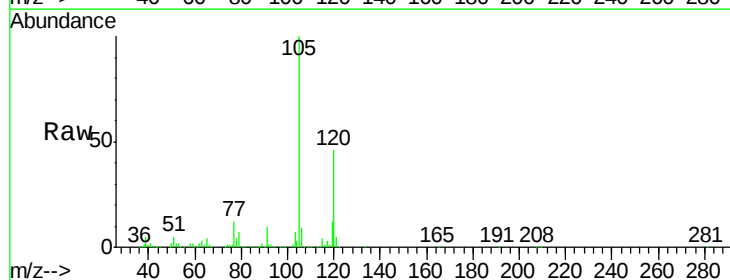
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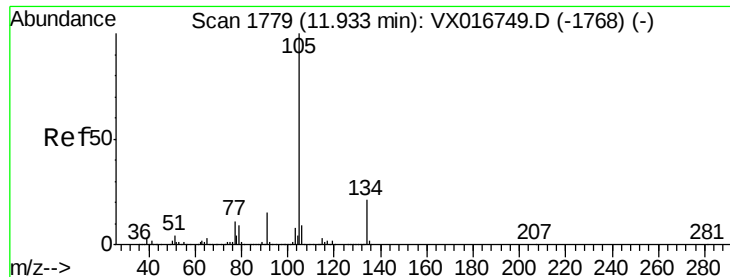
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#84
1,2,4-Trimethylbenzene
Concen: 19.326 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227263		
120	44.8	22.6	67.8	





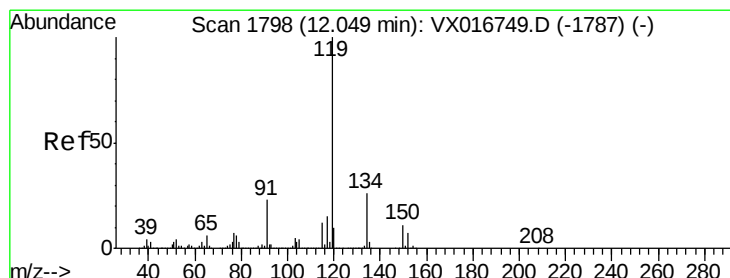
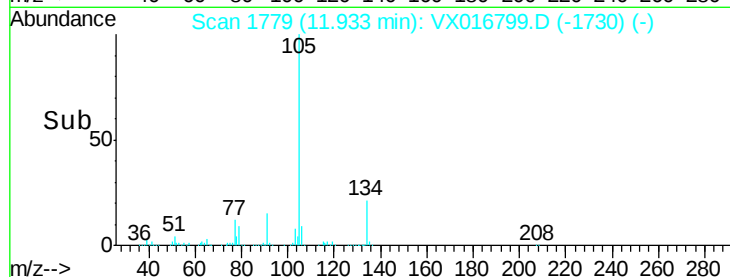
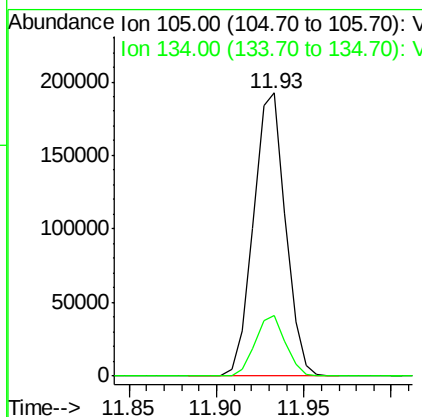
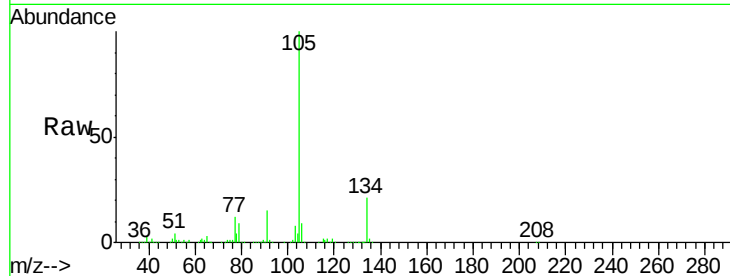
#85
 sec-Butylbenzene
 Concen: 19.632 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.8

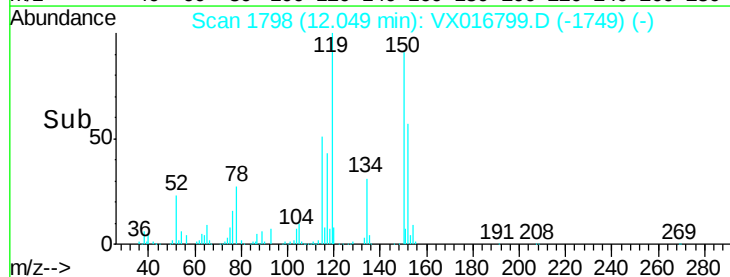
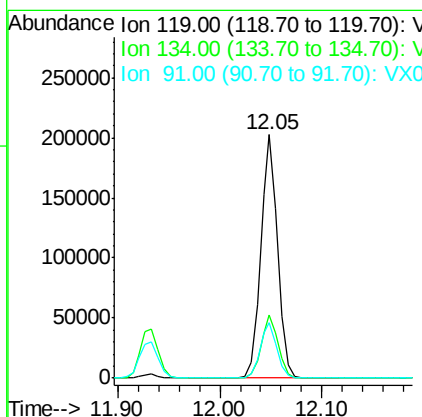
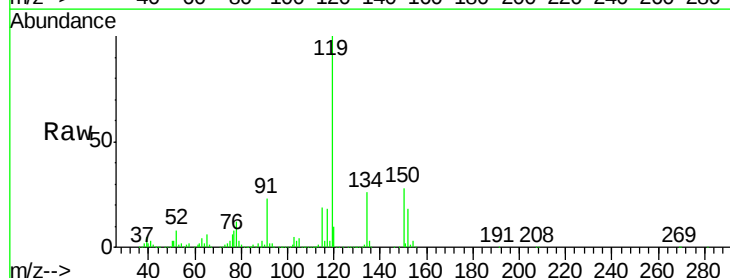
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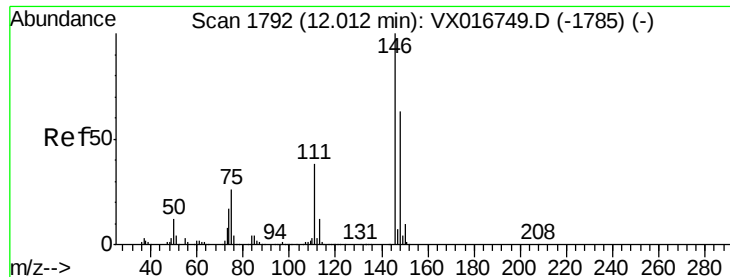
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#86
 p-Isopropyltoluene
 Concen: 19.570 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	22.9	11.6	34.7





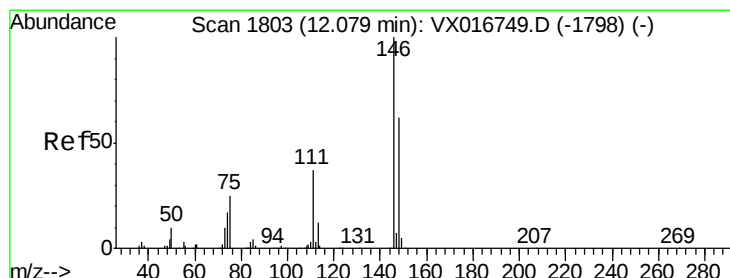
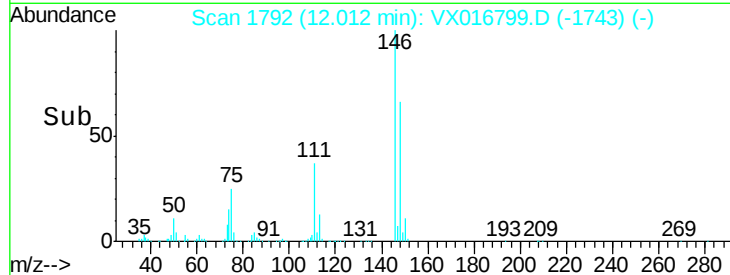
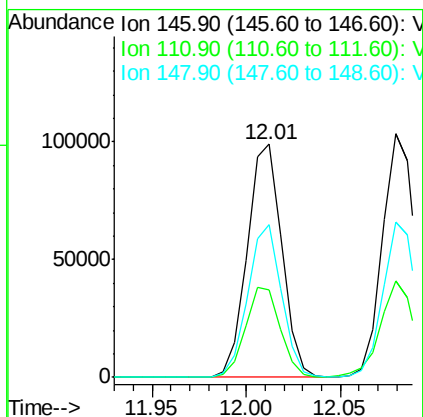
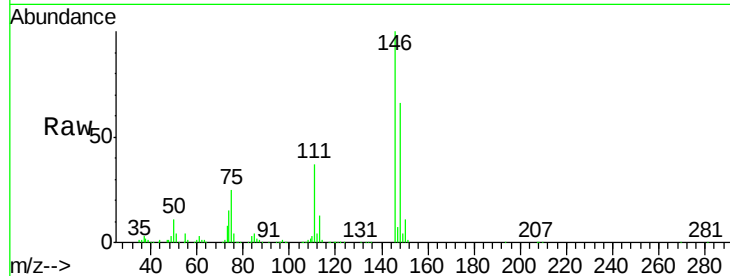
#87
 1,3-Dichlorobenzene
 Concen: 19.067 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	63.8	31.9	95.7

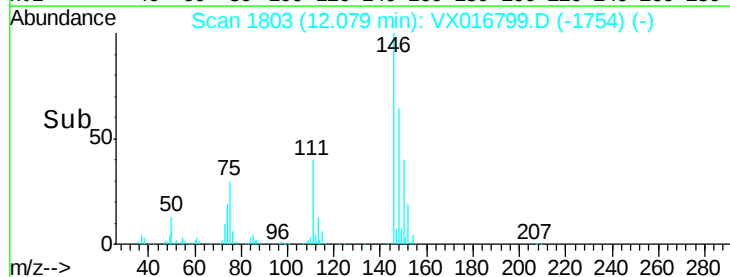
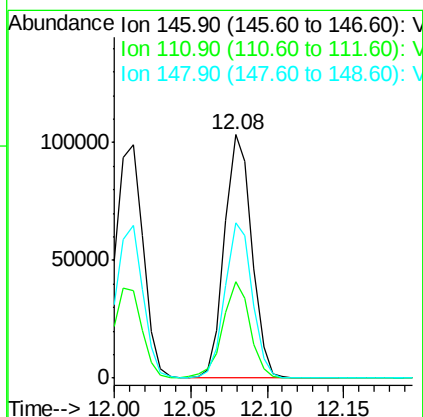
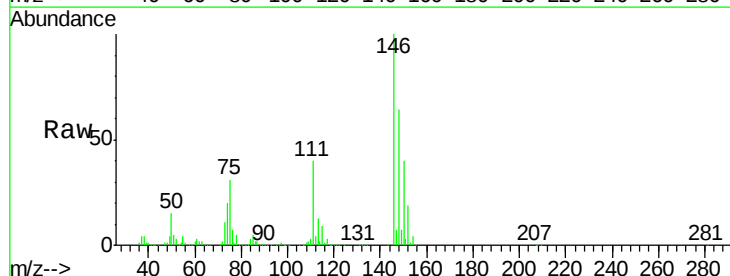
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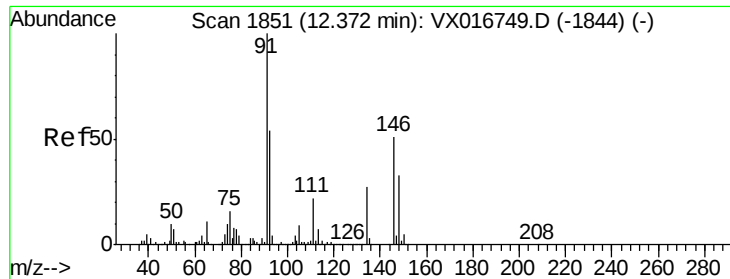
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#88
 1,4-Dichlorobenzene
 Concen: 18.633 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.8
148	63.7	32.1	96.5





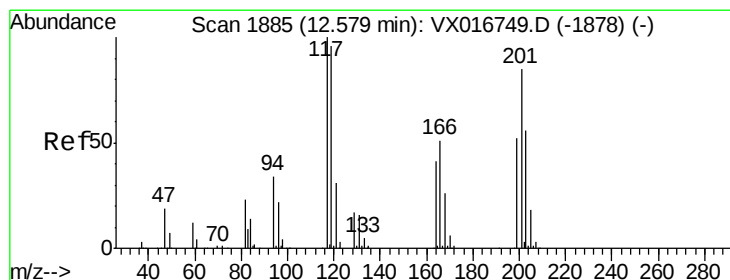
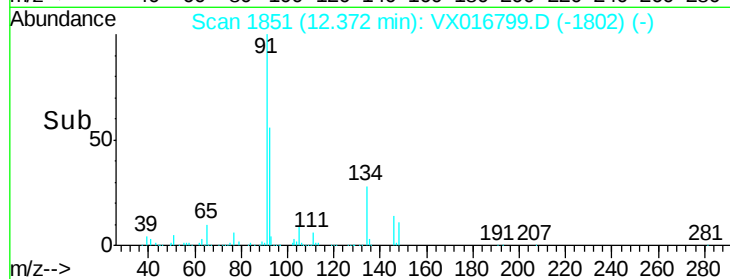
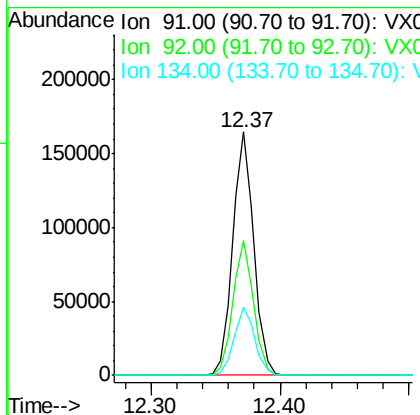
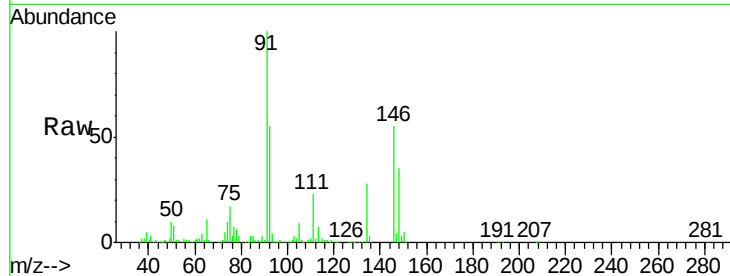
#89
n-Butylbenzene
Concen: 19.089 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.0	80.8
134	27.4	13.7	41.0

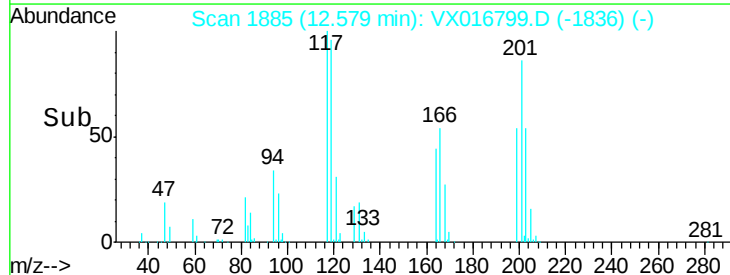
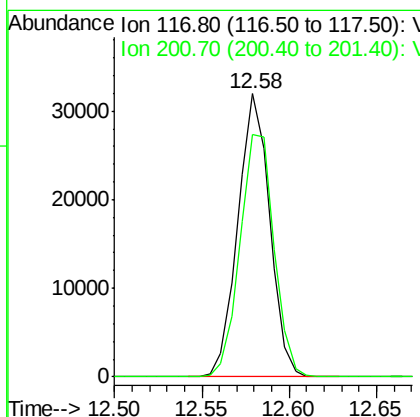
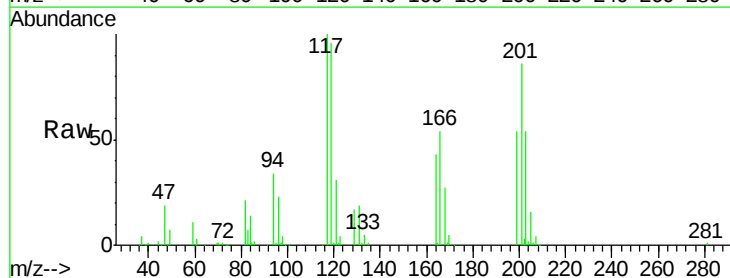
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#90
Hexachloroethane
Concen: 18.410 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016799.D
Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	45.6	136.9





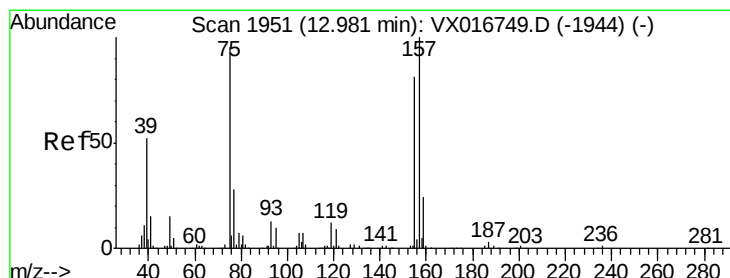
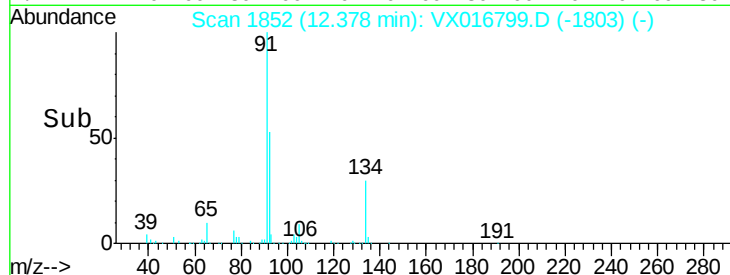
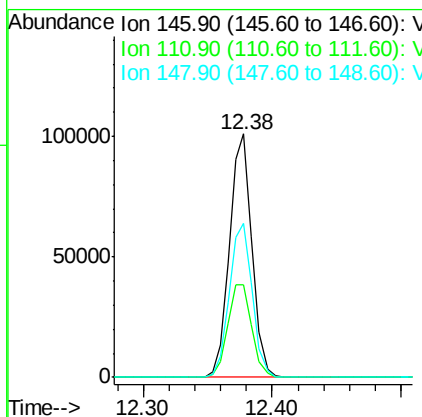
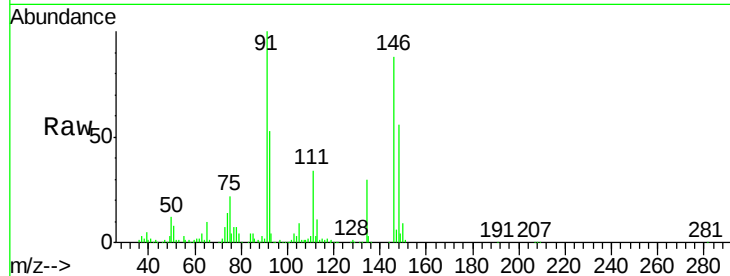
#91
 1,2-Dichlorobenzene
 Concen: 18.646 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123432		
111	40.9	20.8	62.2	
148	64.4	32.1	96.5	

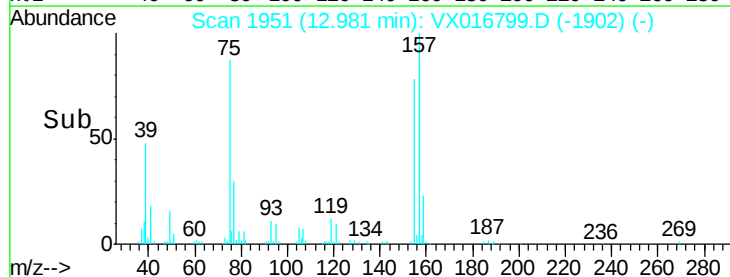
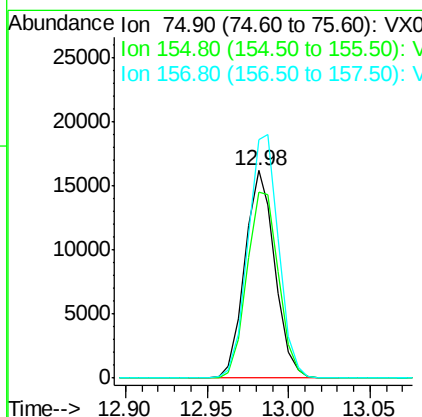
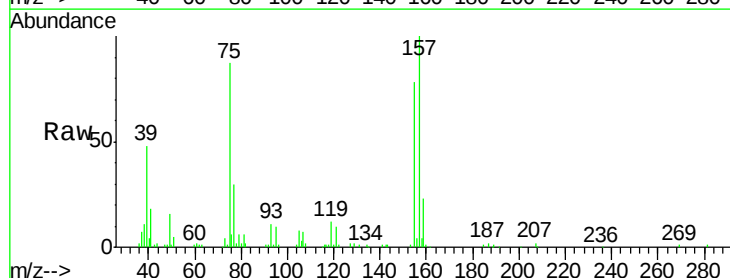
Manual Integrations
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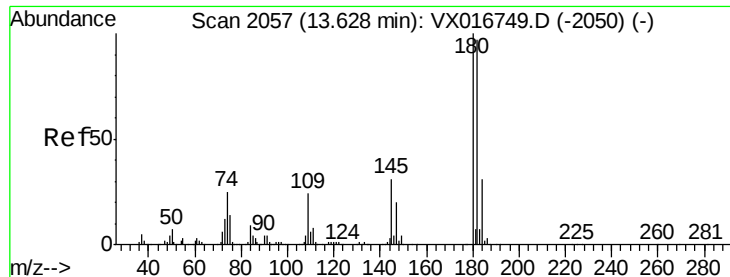
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.184 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016799.D
 Acq: 17 Jun 2020 00:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20743		
155	94.3	46.9	140.7	
157	120.3	59.6	178.7	





#93

1,2,4-Trichlorobenzene

Concen: 18.755 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

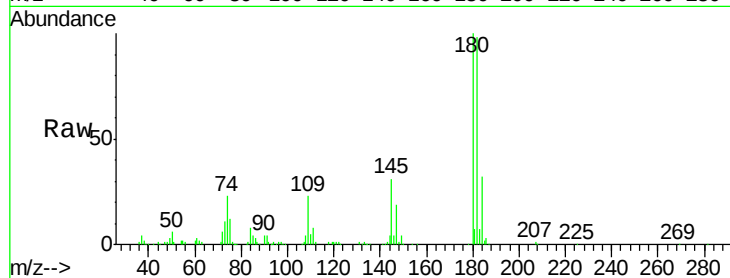
ClientSampleId :

VX0616WBSD02

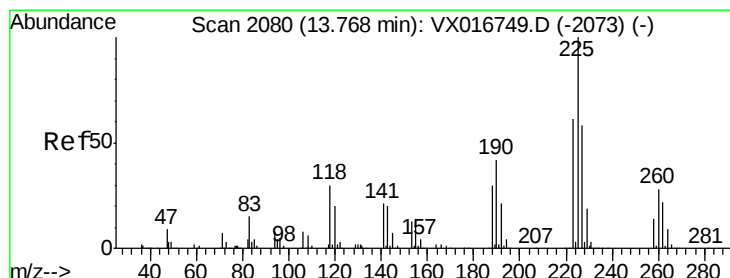
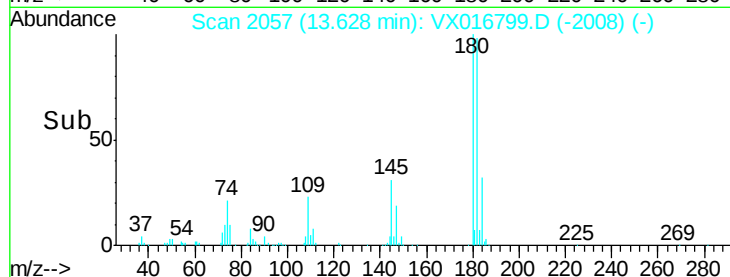
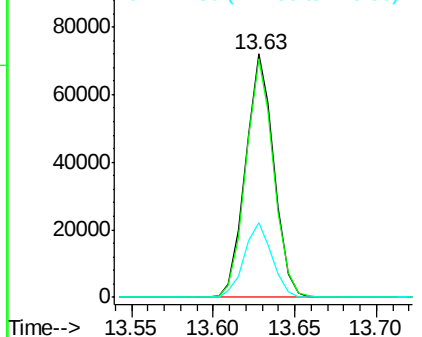
Tot Ion:	180	Resp:	86941
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.6	145.8
145	30.2	15.4	46.4

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:35:10 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.484 ug/l

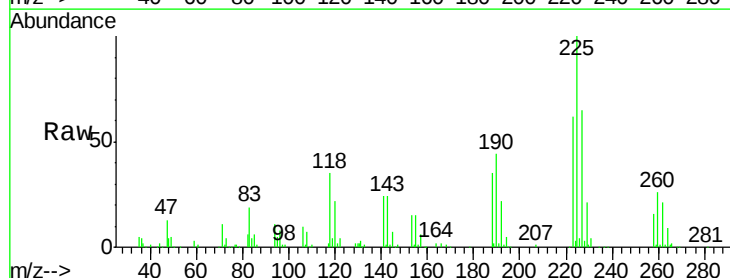
RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

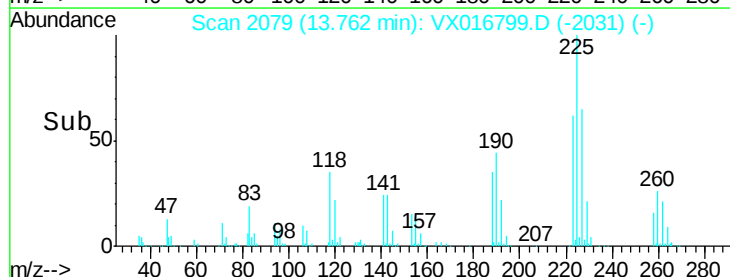
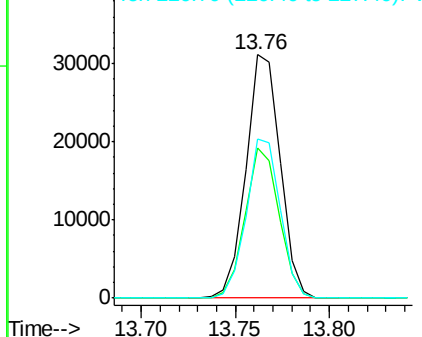
Lab File: VX016799.D

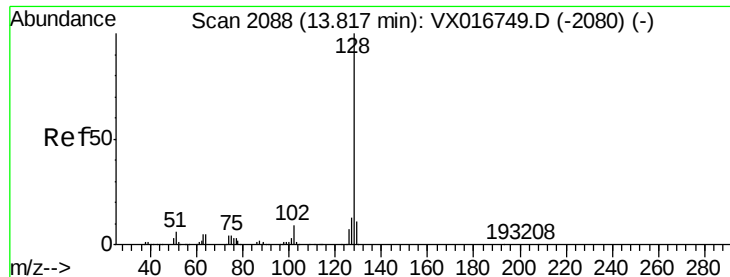
Acq: 17 Jun 2020 00:11

Tgt Ion:	225	Resp:	39226
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.1	93.5
227	64.8	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.583 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Instrument :

MSVOA_X

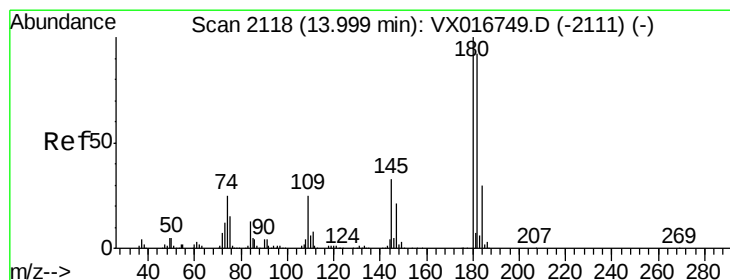
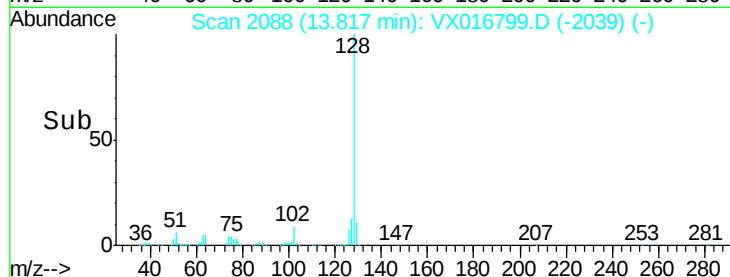
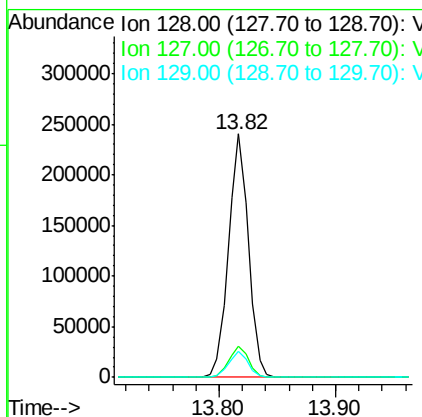
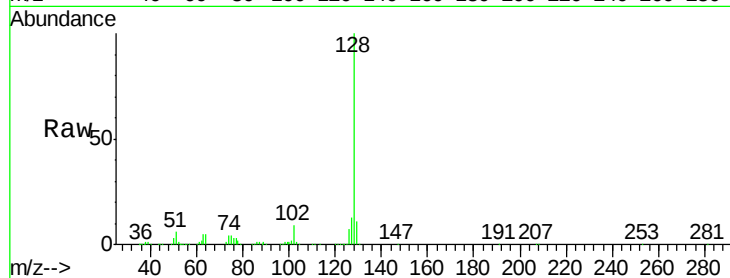
ClientSampleId :

VX0616WBSD02

Tot Ion:	128	Resp:	284403
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:35:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.470 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX016799.D

Acq: 17 Jun 2020 00:11

Tgt Ion:	180	Resp:	88838
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.1	141.4
145	31.0	15.9	47.7

