

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070920\
 Data File : VX017297.D
 Acq On : 09 Jul 2020 09:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:36:30 PM

Quant Time: Jul 10 07:09:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	294070	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	419334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	411648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	165542	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
35) Dibromofluoromethane	5.46	113	135386	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	8.70	98	493077	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.12	95	204125	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	132496	46.572	ug/l	95
3) Chloromethane	1.31	50	135615	39.381	ug/l	96
4) Vinyl Chloride	1.39	62	137471	43.026	ug/l	99
5) Bromomethane	1.62	94	75835	44.925	ug/l	100
6) Chloroethane	1.70	64	89282	47.314	ug/l	99
7) Trichlorofluoromethane	1.91	101	246591	52.184	ug/l	100
8) Diethyl Ether	2.17	74	83590	52.556	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	133963	47.301	ug/l	97
10) Methyl Iodide	2.49	142	153743	42.070	ug/l	99
11) Tert butyl alcohol	3.01	59	156759	226.662	ug/l	100
12) 1,1-Dichloroethene	2.36	96	124720	42.868	ug/l	98
13) Acrolein	2.27	56	100867	243.979	ug/l	100
14) Allyl chloride	2.70	41	240846	44.793	ug/l	97
15) Acrylonitrile	3.11	53	390704	234.999	ug/l	99
16) Acetone	2.42	43	319232	235.389	ug/l	98
17) Carbon Disulfide	2.55	76	357963	44.093	ug/l	100
18) Methyl Acetate	2.75	43	179170	50.608	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	492776	50.466	ug/l	98
20) Methylene Chloride	2.83	84	156908	50.454	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	151620	46.960	ug/l	97
22) Diisopropyl ether	3.82	45	485421	48.778	ug/l	94
23) Vinyl Acetate	3.78	43	2107976	246.504	ug/l	99
24) 1,1-Dichloroethane	3.67	63	268716	47.456	ug/l	99
25) 2-Butanone	4.63	43	516472	228.552	ug/l	97
26) 2,2-Dichloropropane	4.54	77	258914	51.498	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	171503	46.880	ug/l	98
28) Bromochloromethane	4.98	49	121484	44.089	ug/l	94
29) Tetrahydrofuran	5.09	42	339955	227.688	ug/l	99
30) Chloroform	5.17	83	290792	50.097	ug/l	98
31) Cyclohexane	5.54	56	221259	45.206	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	268264	50.183	ug/l	99
36) 1,1-Dichloropropene	5.77	75	212560	53.633	ug/l	100
37) Ethyl Acetate	4.79	43	207548	51.614	ug/l	99
38) Carbon Tetrachloride	5.75	117	245752	56.298	ug/l	99

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MMDadoda
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Quant Time: Jul 10 07:09:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	230599	52.295	ug/l	98
40) Benzene	6.11	78	600754	51.591	ug/l	99
41) Methacrylonitrile	5.01	41	115164	50.886	ug/l	98
42) 1,2-Dichloroethane	6.16	62	235877	56.080	ug/l	99
43) Isopropyl Acetate	6.41	43	344464	51.552	ug/l	100
44) Trichloroethene	7.18	130	183058	57.012	ug/l	98
45) 1,2-Dichloropropane	7.49	63	159232	53.240	ug/l	99
46) Dibromomethane	7.63	93	112174	54.936	ug/l	95
47) Bromodichloromethane	7.87	83	240644	57.188	ug/l	96
48) Methyl methacrylate	7.74	41	173472	54.645	ug/l	98
49) 1,4-Dioxane	7.71	88	67578	939.646	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1076713	270.321	ug/l	100
52) Toluene	8.76	92	397795	54.716	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	267672	57.653	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	277808	55.818	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	171087	57.597	ug/l	98
56) Ethyl methacrylate	9.16	69	247530	58.547	ug/l	99
57) 1,3-Dichloropropane	9.35	76	274130	54.540	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	578578	274.968	ug/l	98
59) 2-Hexanone	9.47	43	838168	288.131	ug/l	99
60) Dibromochloromethane	9.56	129	208589	60.460	ug/l	99
61) 1,2-Dibromoethane	9.65	107	180794	56.624	ug/l	99
64) Tetrachloroethene	9.32	164	183001	55.083	ug/l	95
65) Chlorobenzene	10.12	112	460701	54.225	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	187932	57.396	ug/l	98
67) Ethyl Benzene	10.23	91	779188	54.916	ug/l	97
68) m/p-Xylenes	10.34	106	614853	112.859	ug/l	99
69) o-Xylene	10.68	106	290485	56.049	ug/l	98
70) Styrene	10.70	104	522716	59.228	ug/l	99
71) Bromoform	10.84	173	153870	59.260	ug/l #	99
73) Isopropylbenzene	11.00	105	797986	55.871	ug/l	100
74) N-amyl acetate	10.88	43	324005	53.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	228198	50.793	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	224809m	52.429	ug/l	
77) Bromobenzene	11.24	156	213833	54.474	ug/l	97
78) n-propylbenzene	11.34	91	918953	56.896	ug/l	100
79) 2-Chlorotoluene	11.40	91	544412	55.694	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	678072	57.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	87801	53.027	ug/l #	91
82) 4-Chlorotoluene	11.49	91	648395	55.488	ug/l	99
83) tert-Butylbenzene	11.76	119	660109	56.760	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	694684	57.799	ug/l	100
85) sec-Butylbenzene	11.93	105	766793	56.091	ug/l	100
86) p-Isopropyltoluene	12.05	119	729850	57.350	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	381032	53.446	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	381416	56.756	ug/l	99
89) n-Butylbenzene	12.37	91	616805	54.281	ug/l	99
90) Hexachloroethane	12.58	117	134405	53.556	ug/l	97
91) 1,2-Dichlorobenzene	12.37	146	360659	54.120	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	53144	49.586	ug/l	98

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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	251984	55.399	ug/l	100
94) Hexachlorobutadiene	13.76	225	98855	57.143	ug/l	98
95) Naphthalene	13.82	128	766978	55.464	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	249131	56.596	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 294070

Ion Ratio Lower Upper

168 100

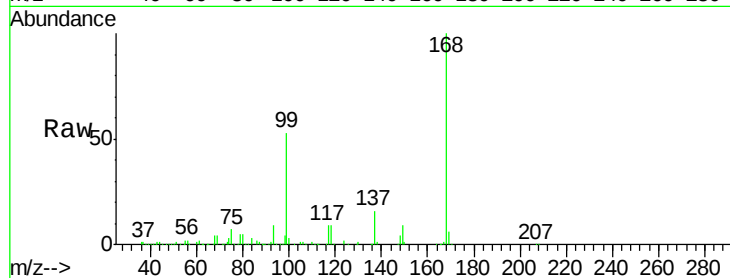
99 52.8 42.6 64.0

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

5.62

120000

100000

80000

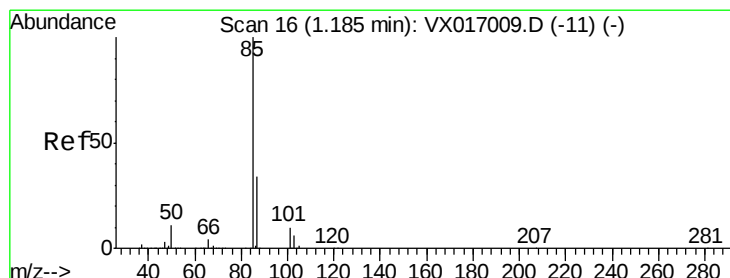
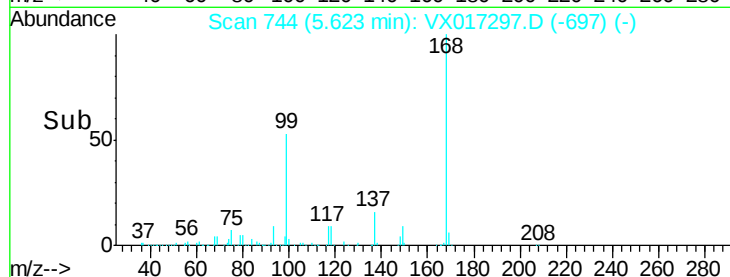
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.572 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017297.D

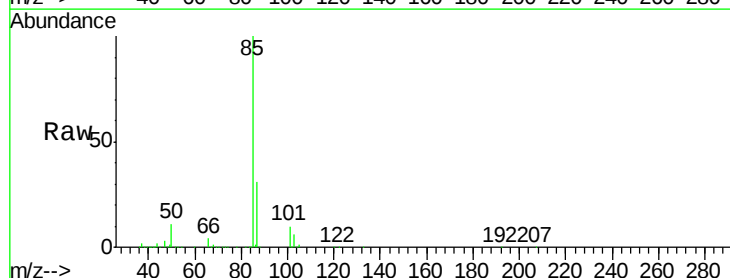
Acq: 09 Jul 2020 09:45

Tgt Ion: 85 Resp: 132496

Ion Ratio Lower Upper

85 100

87 31.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

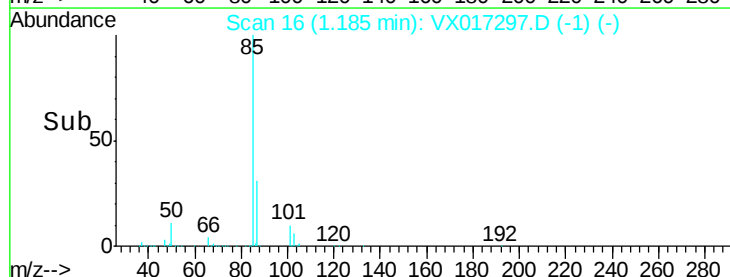
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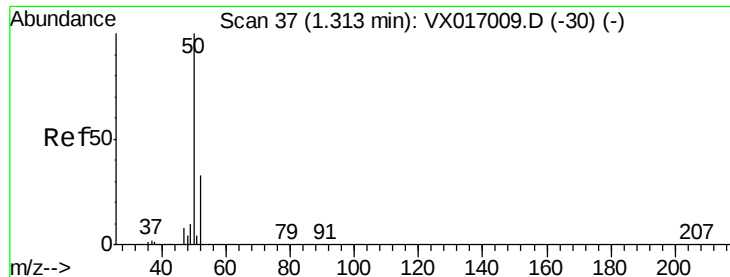
100000

50000

0

Time-->





#3

Chloromethane

Concen: 39.381 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 135615

Ion Ratio Lower Upper

50 100

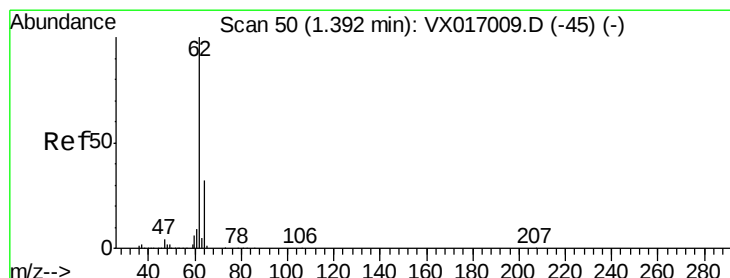
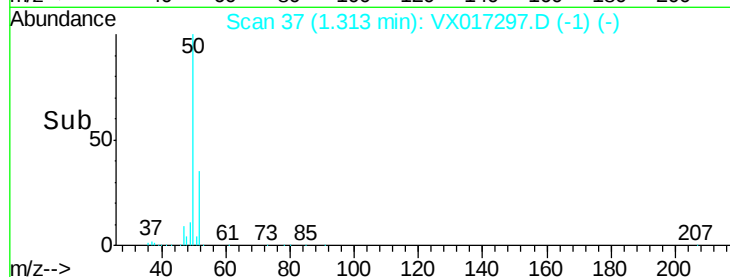
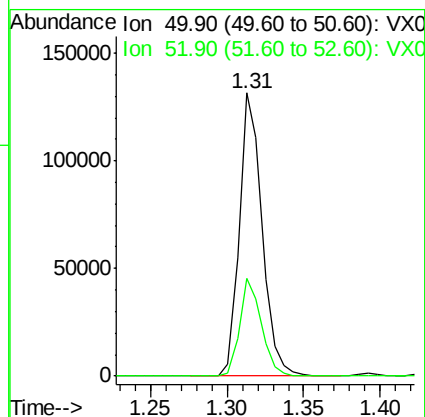
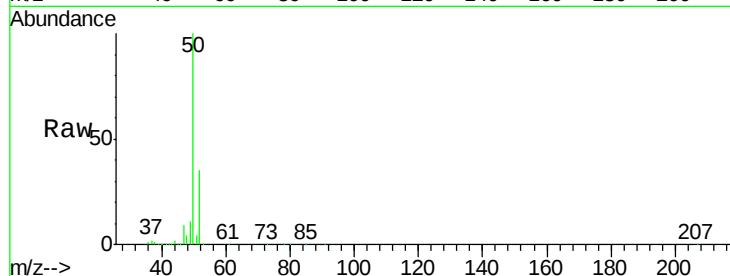
52 34.7 26.1 39.1

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#4

Vinyl Chloride

Concen: 43.026 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017297.D

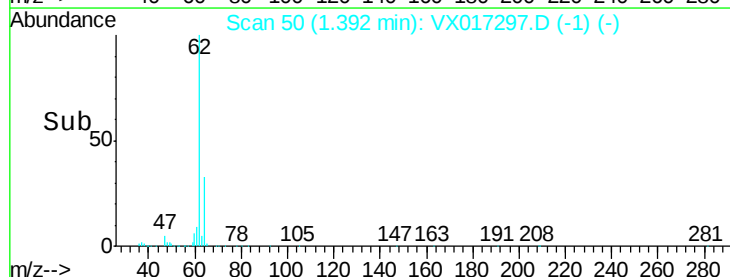
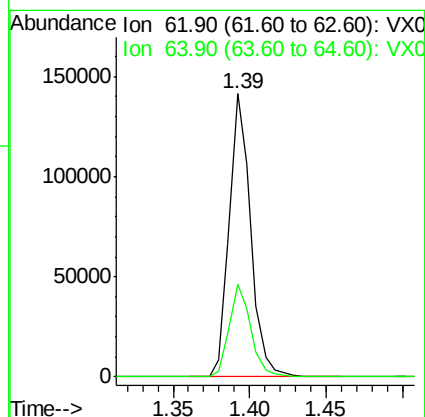
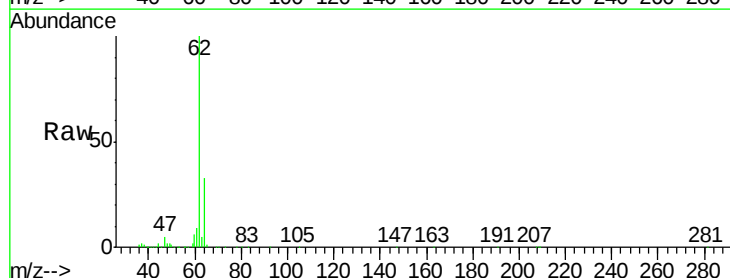
Acq: 09 Jul 2020 09:45

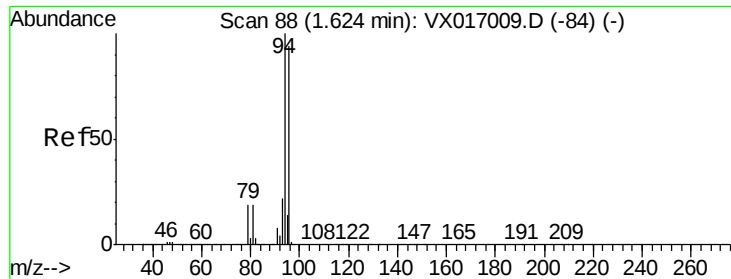
Tgt Ion: 62 Resp: 137471

Ion Ratio Lower Upper

62 100

64 32.9 25.9 38.9





#5

Bromomethane

Concen: 44.925 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 75835

Ion Ratio Lower Upper

94 100

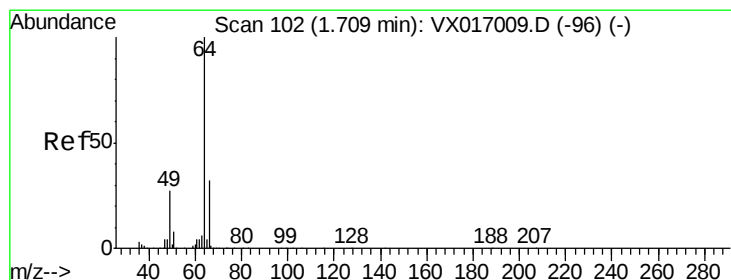
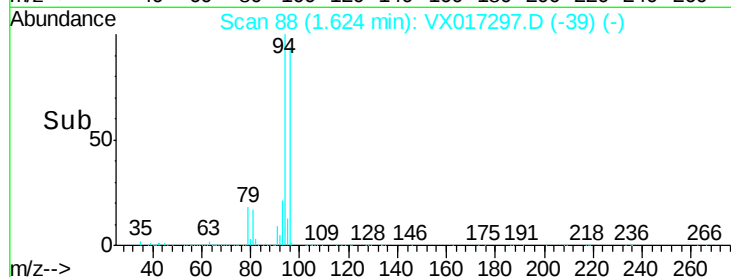
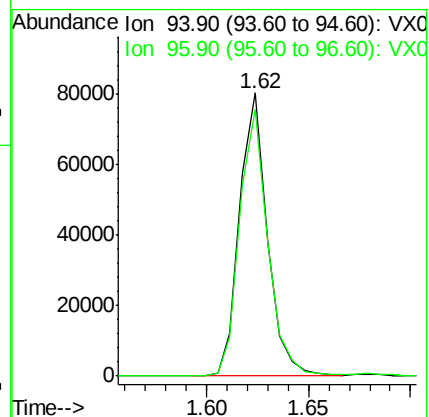
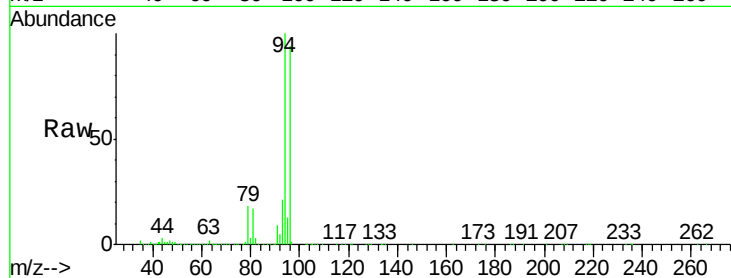
96 94.1 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 47.314 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017297.D

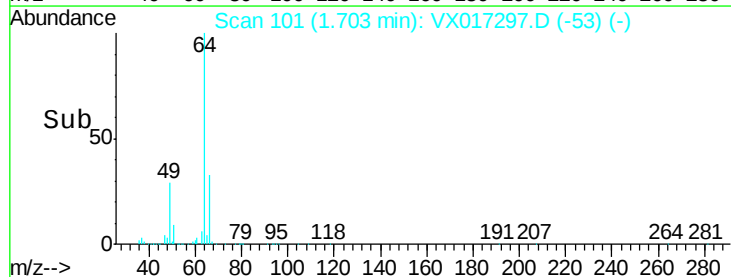
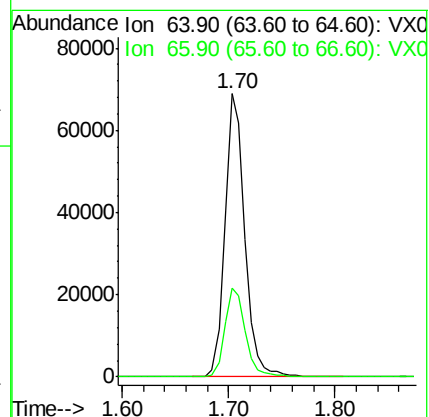
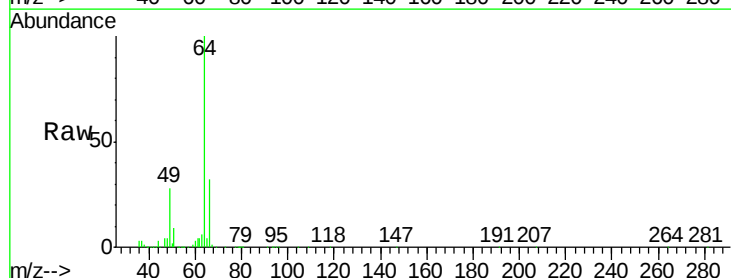
Acq: 09 Jul 2020 09:45

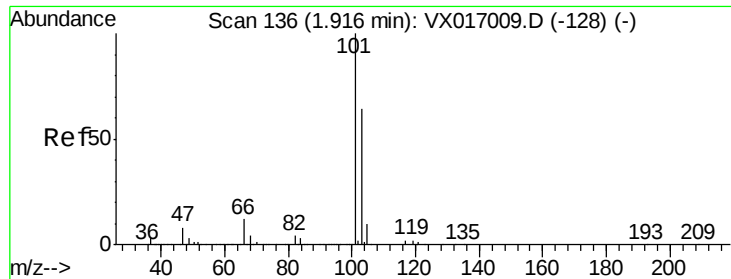
Tgt Ion: 64 Resp: 89282

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

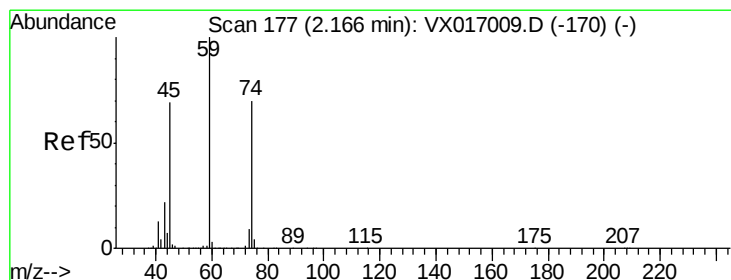
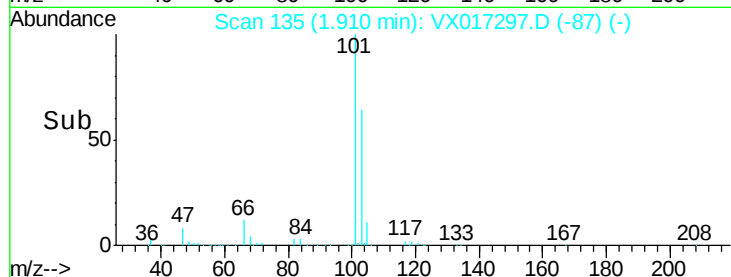
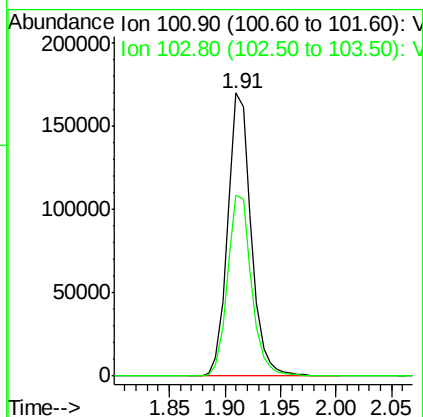
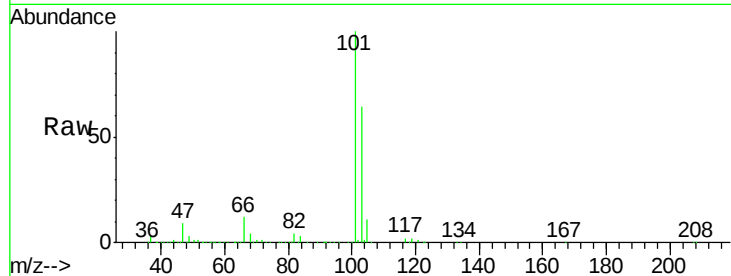
Trichlorofluoromethane
Concen: 52.184 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.5	77.3

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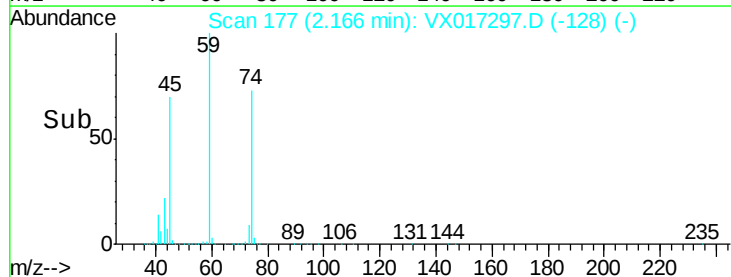
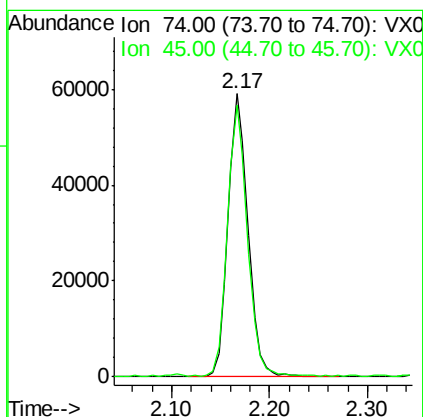
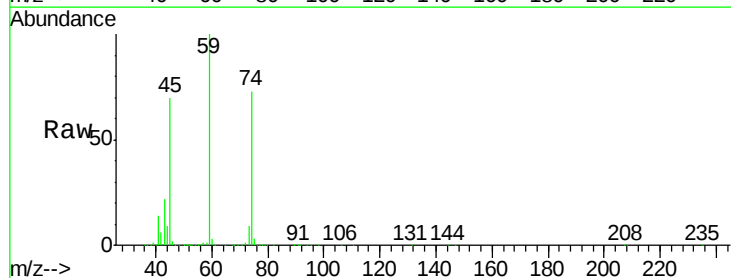
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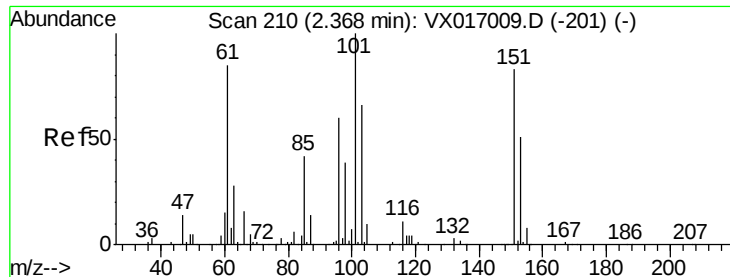


#8

Diethyl Ether
Concen: 52.556 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.301 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

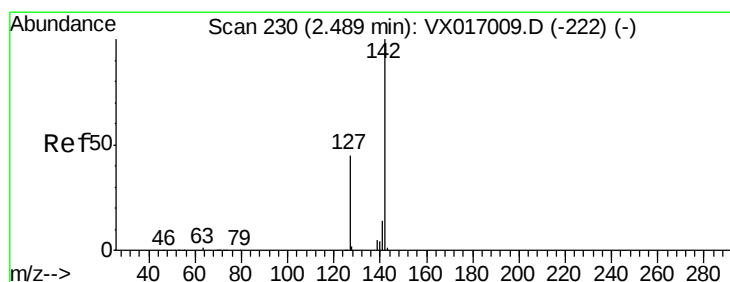
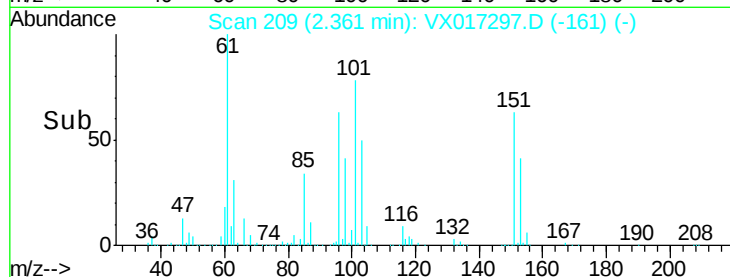
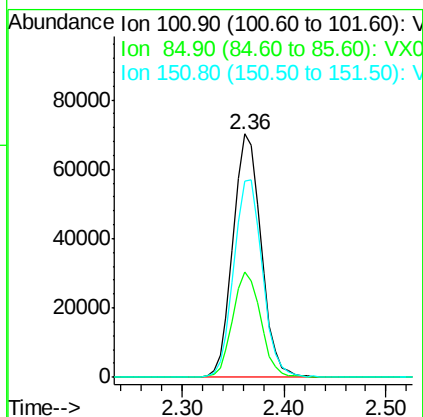
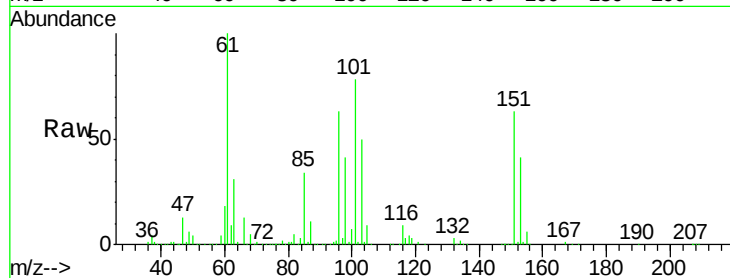
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	133963
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.5	50.3
151	82.7	63.8	95.6

Manual Integrations
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#10

Methyl Iodide

Concen: 42.070 ug/l

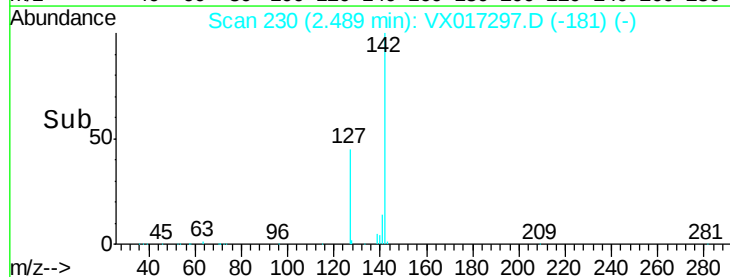
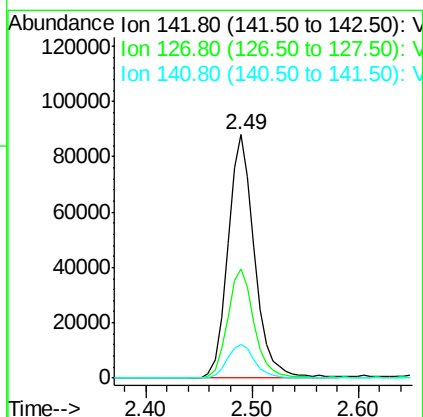
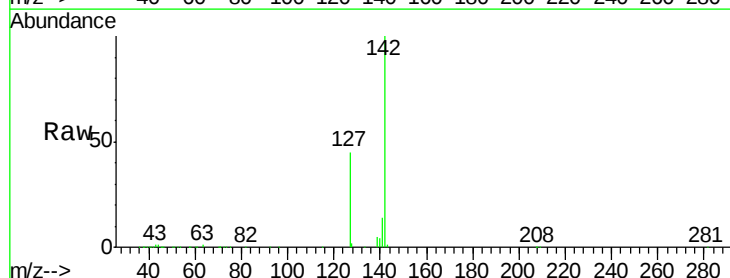
RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion:	142	Resp:	153743
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.6	54.8
141	14.3	11.6	17.4





#11

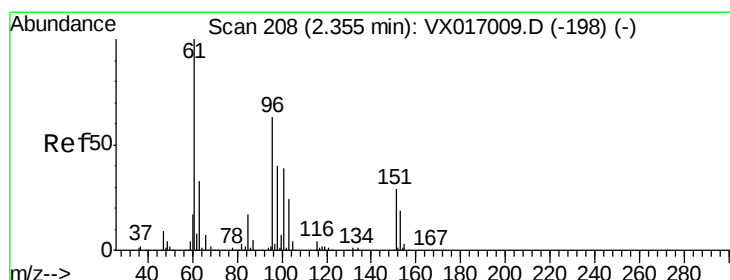
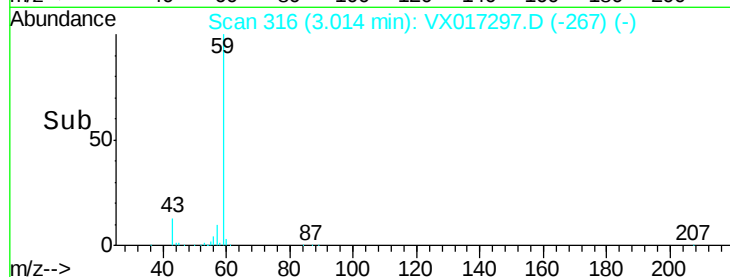
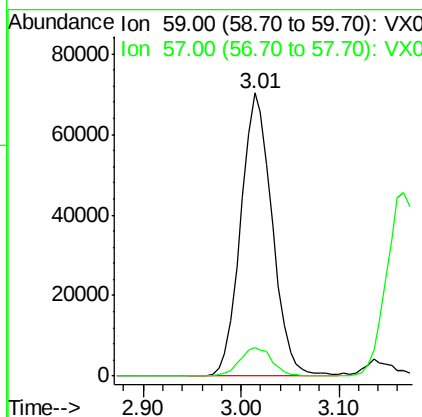
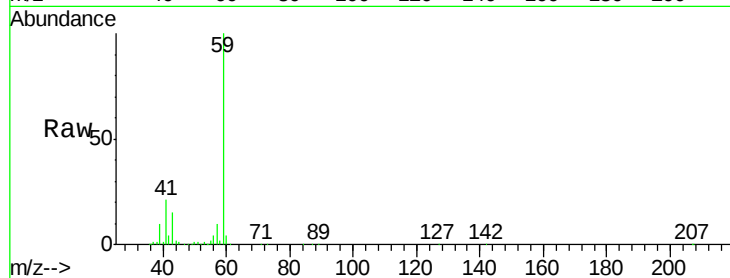
Tert butyl alcohol
 Concen: 226.662 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
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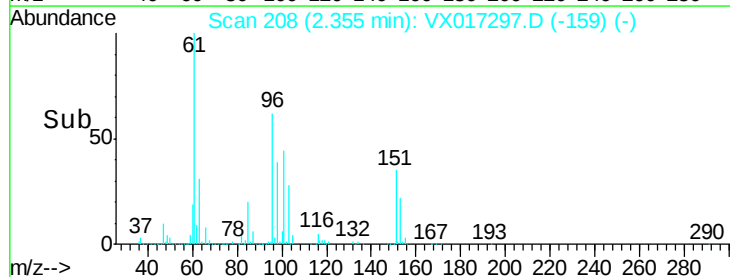
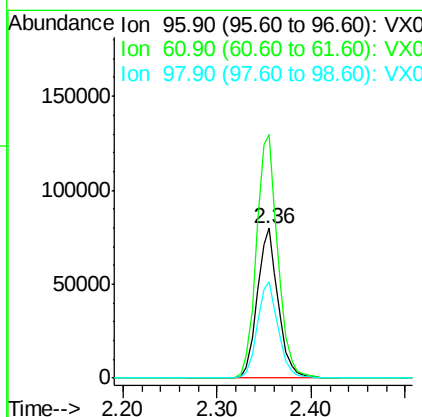
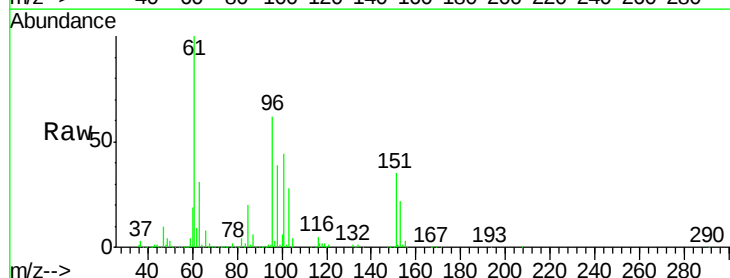
MMDadoda
 7/10/2020 12:36:30 PM

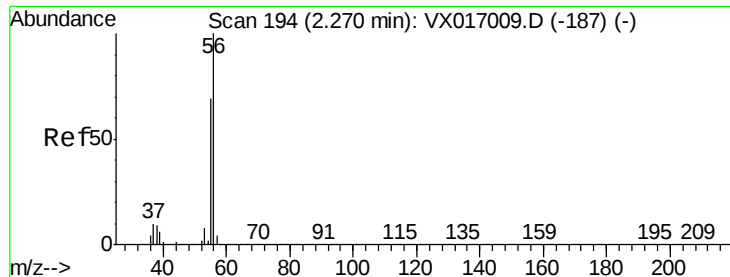


#12

1,1-Dichloroethene
 Concen: 42.868 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	126.3	189.5
98	64.1	51.0	76.6





#13

Acrolein

Concen: 243.979 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 100867

Ion Ratio Lower Upper

56 100

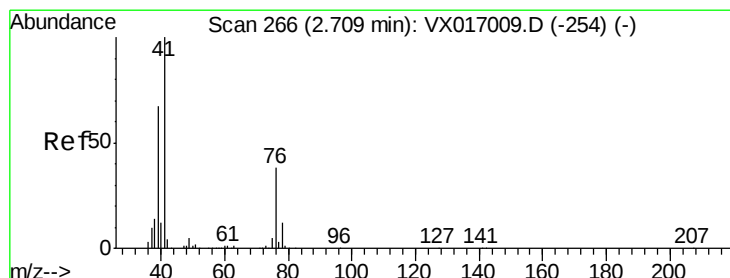
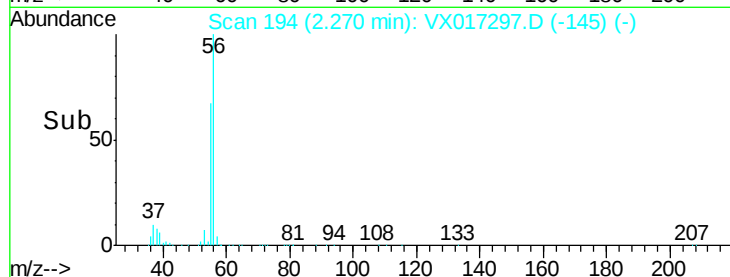
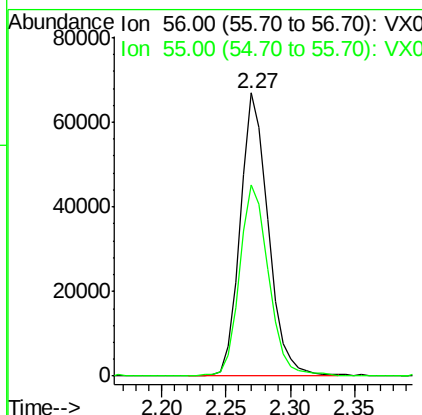
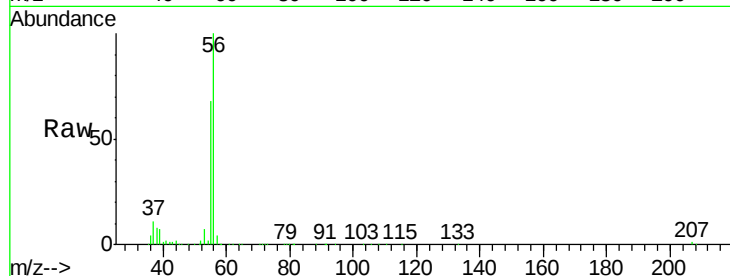
55 69.4 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 44.793 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

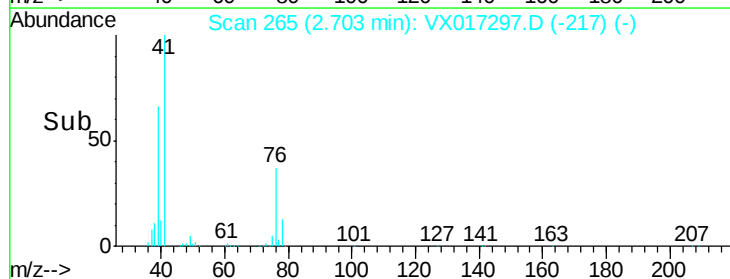
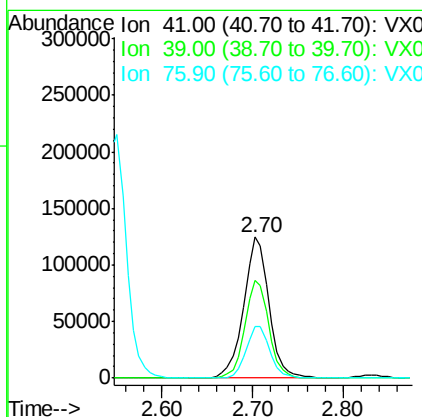
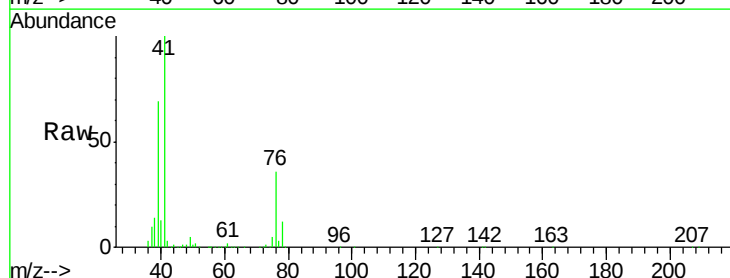
Tgt Ion: 41 Resp: 240846

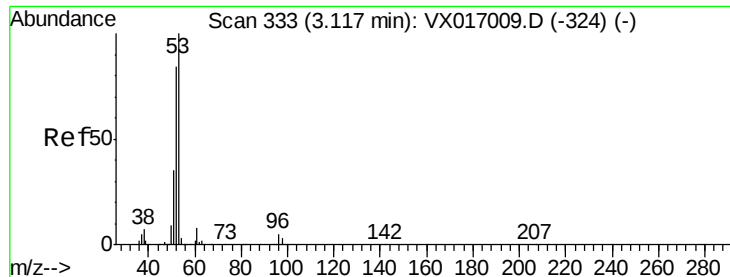
Ion Ratio Lower Upper

41 100

39 65.4 49.4 74.2

76 34.2 26.8 40.2





#15

Acrylonitrile

Concen: 234.999 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

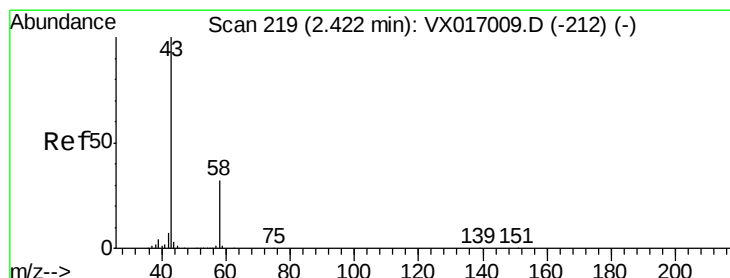
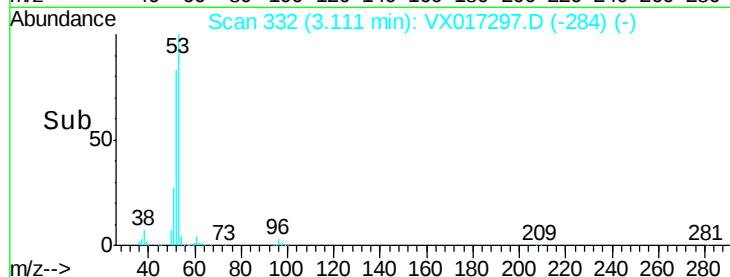
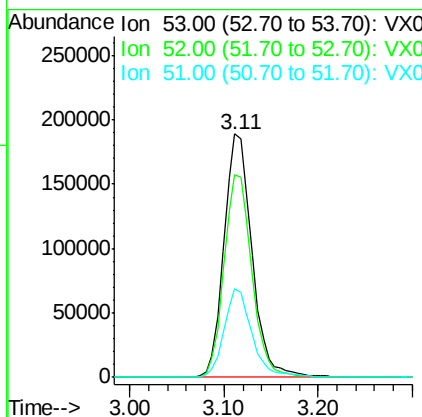
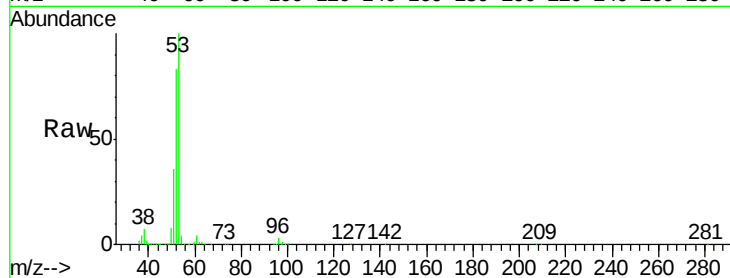
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	390704
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.6	98.4
51	36.2	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 235.389 ug/l

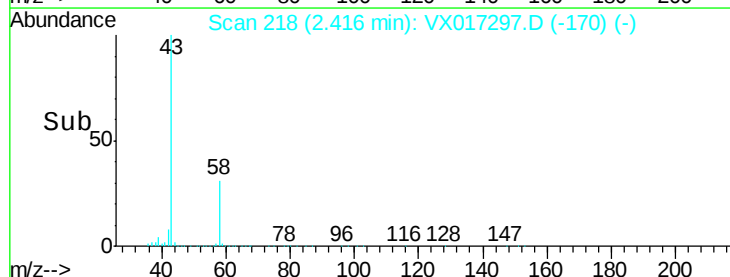
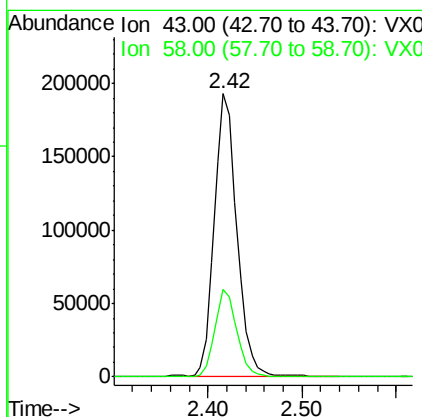
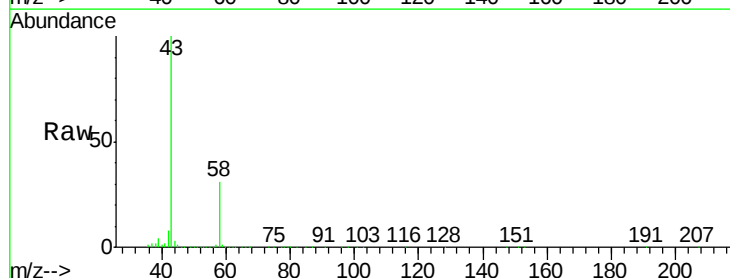
RT: 2.42 min Scan# 218

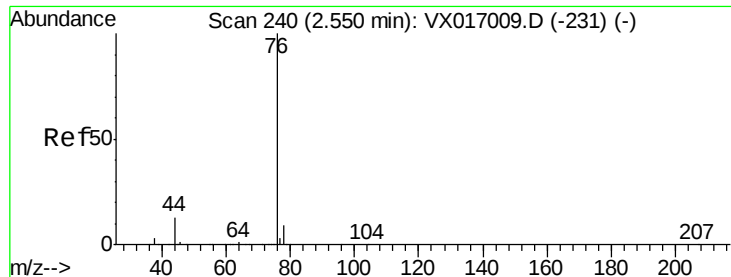
Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion:	43	Resp:	319232
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.7	38.5





#17

Carbon Disulfide

Concen: 44.093 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 357963

Ion Ratio Lower Upper

76 100

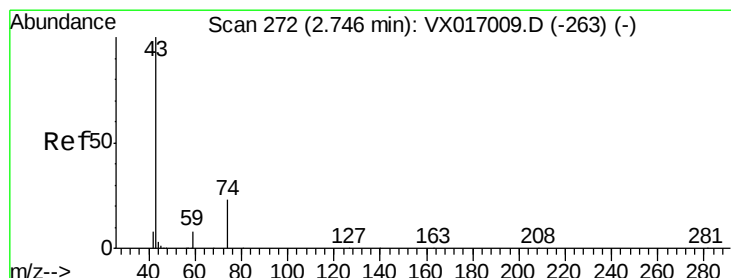
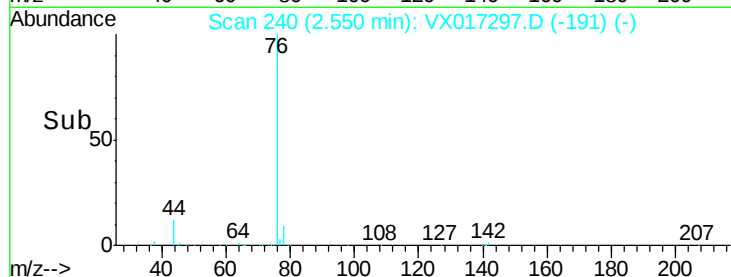
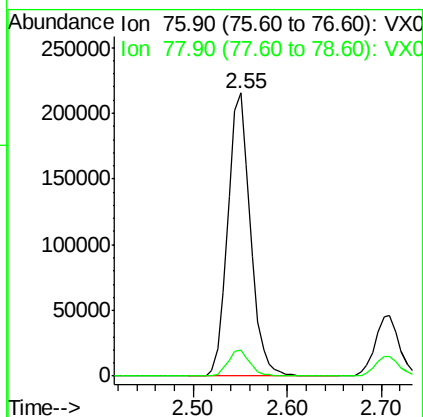
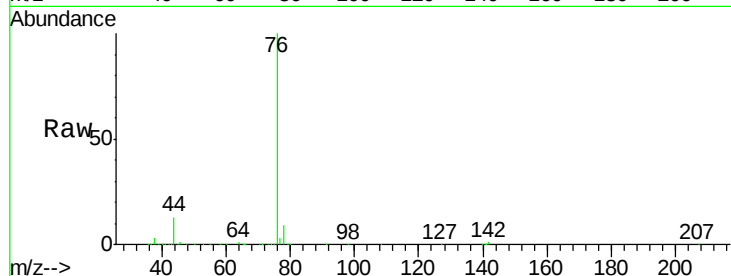
78 9.1 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 50.608 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX017297.D

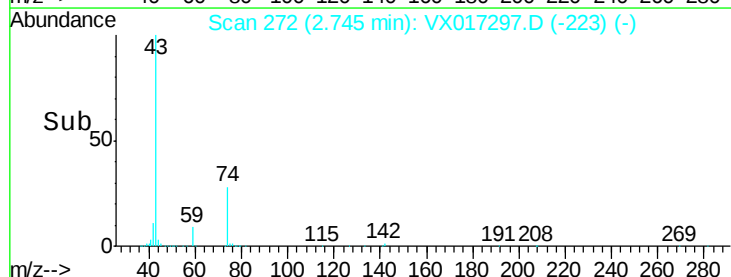
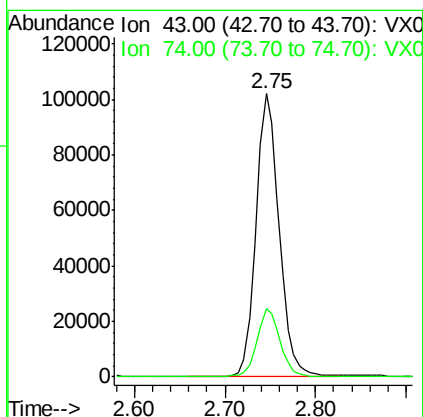
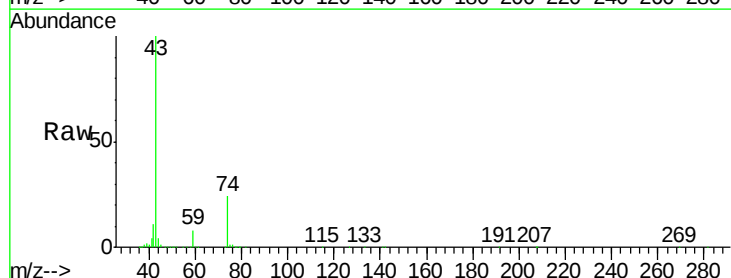
Acq: 09 Jul 2020 09:45

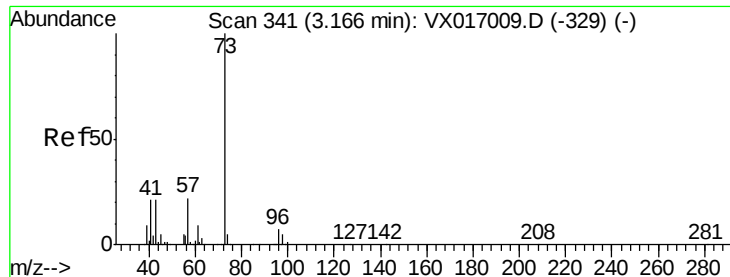
Tgt Ion: 43 Resp: 179170

Ion Ratio Lower Upper

43 100

74 24.6 19.3 28.9





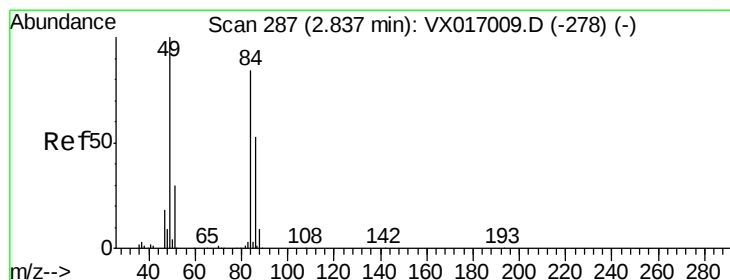
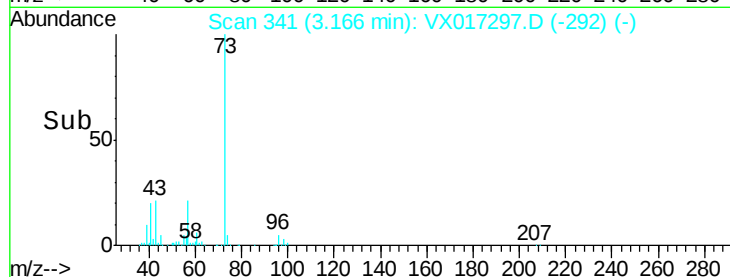
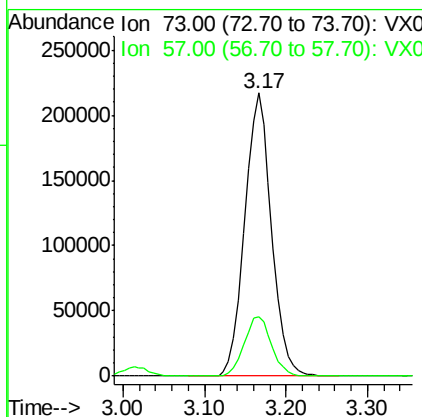
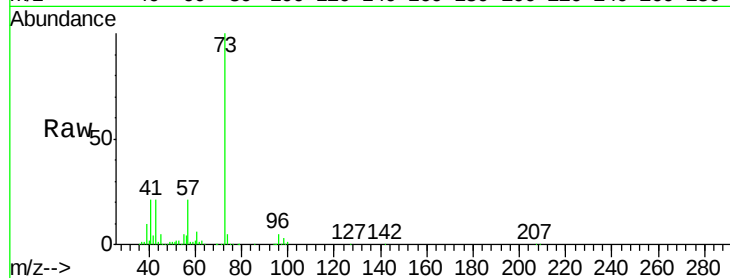
#19
Methvl tert-butvl Ether
Concen: 50.466 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.6	26.4

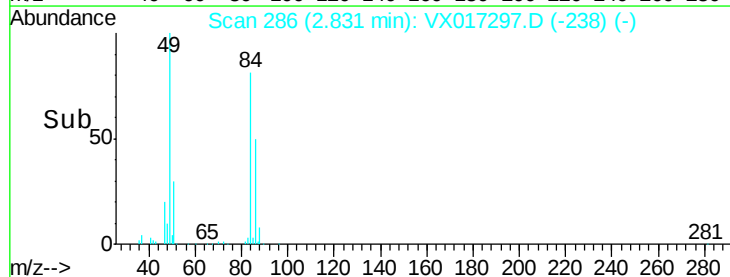
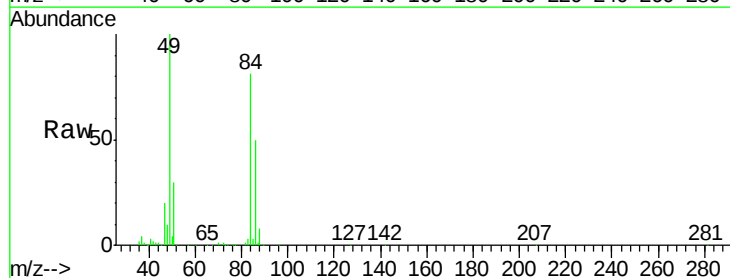
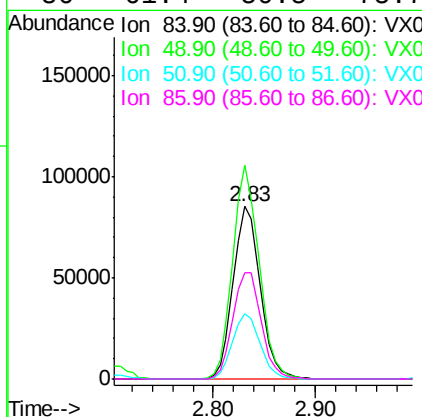
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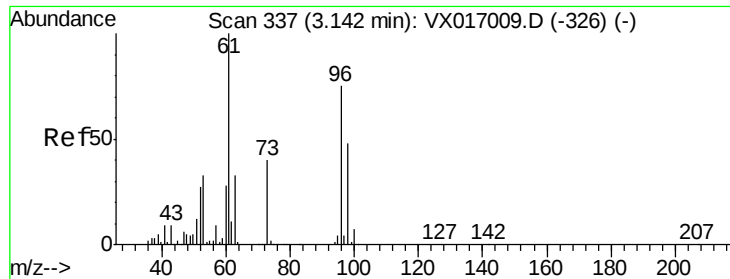
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7/10/2020 12:36:30 PM



#20
Methylene Chloride
Concen: 50.454 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	94.7	142.1
51	37.6	28.6	42.8
86	61.4	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 46.960 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

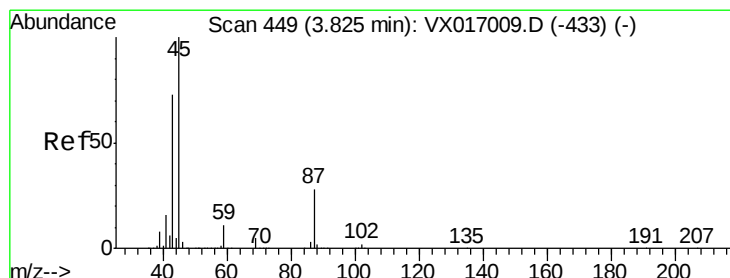
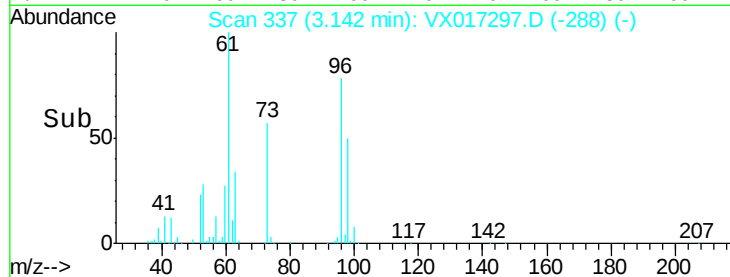
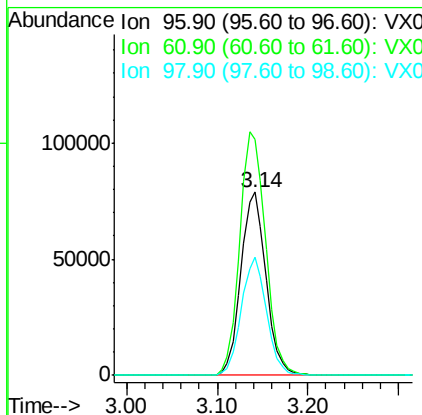
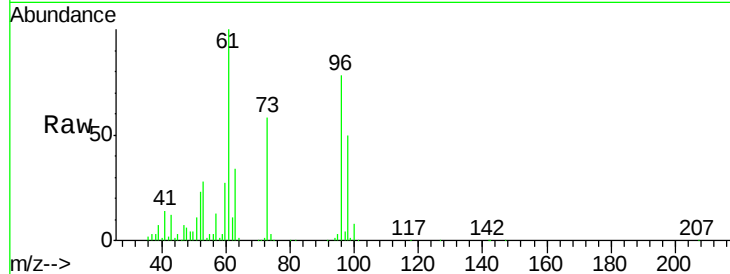
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	151620
Ion	Ratio	Lower	Upper
96	100		
61	129.0	107.0	160.6
98	64.7	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.778 ug/l

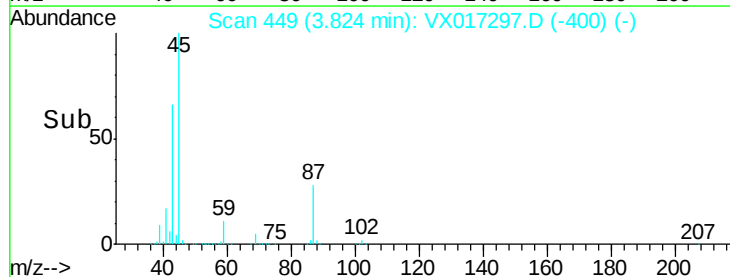
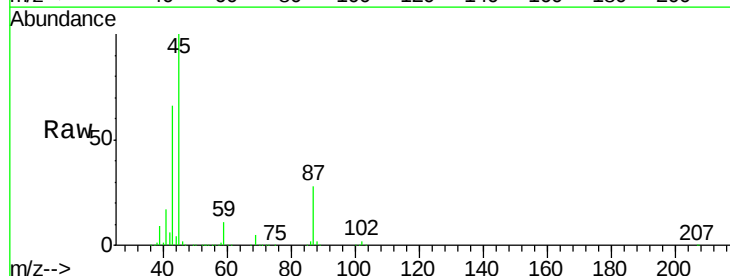
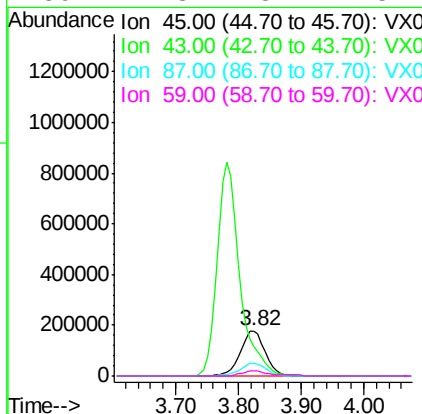
RT: 3.82 min Scan# 449

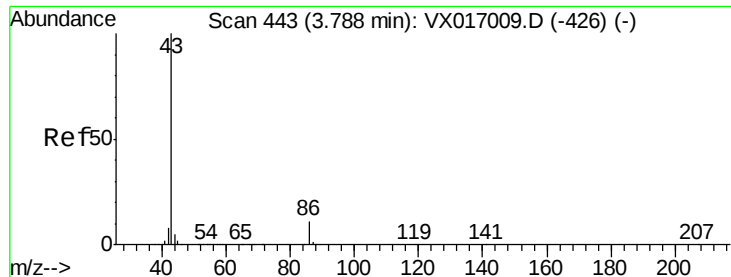
Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion:	45	Resp:	485421
Ion	Ratio	Lower	Upper
45	100		
43	65.7	58.6	88.0
87	28.4	22.6	34.0
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 246.504 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2107976

Ion Ratio Lower Upper

43 100

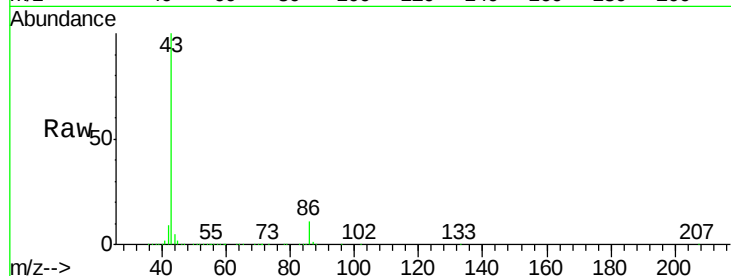
86 11.1 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

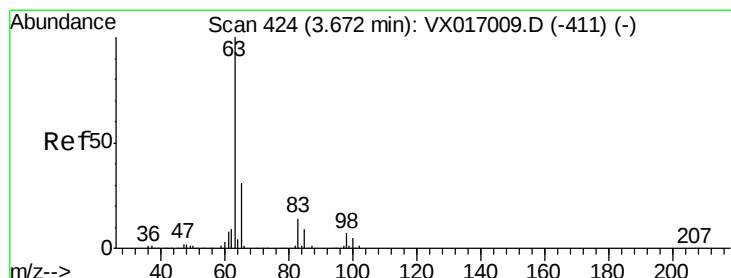
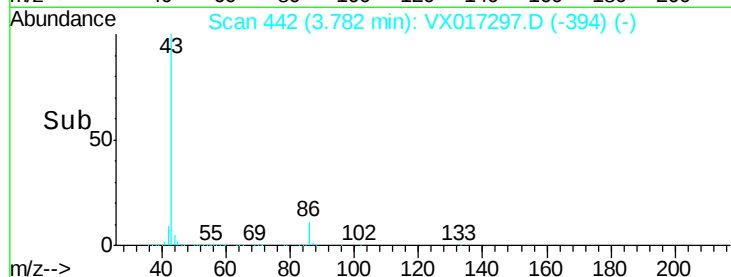
600000

400000

200000

0

Time--> 3.60 3.70 3.80 3.90



#24

1,1-Dichloroethane

Concen: 47.456 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

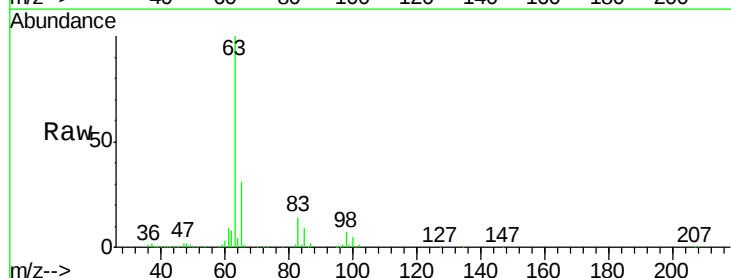
Tgt Ion: 63 Resp: 268716

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.9 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

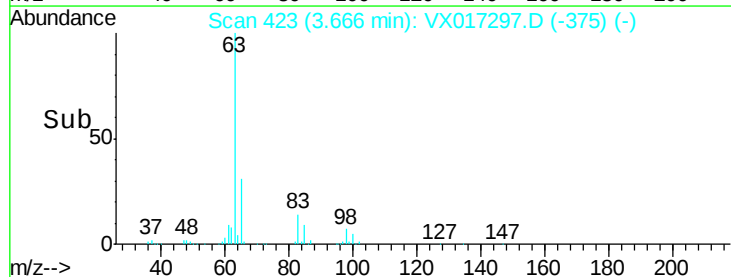
150000

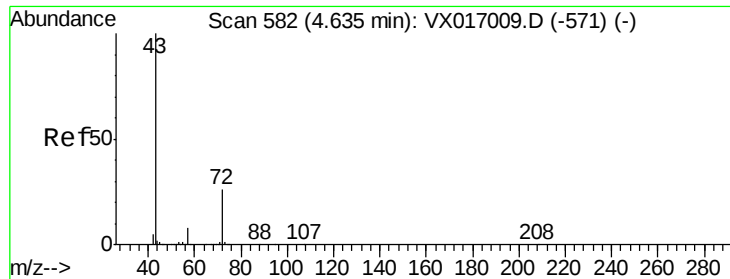
100000

50000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 228.552 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 516472

Ion Ratio Lower Upper

43 100

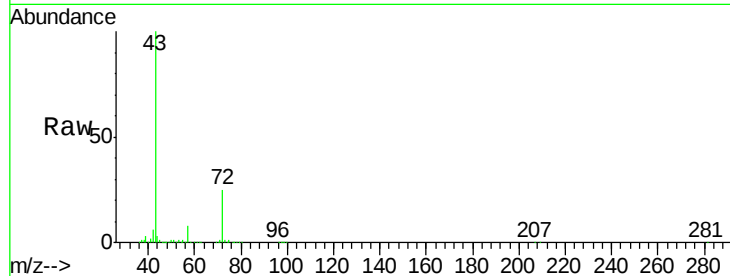
72 24.7 20.8 31.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

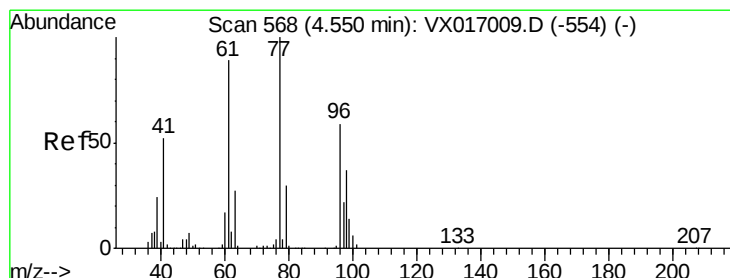
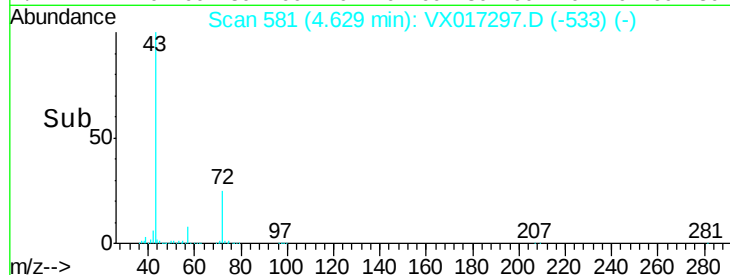
100000

50000

0

4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 51.498 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX017297.D

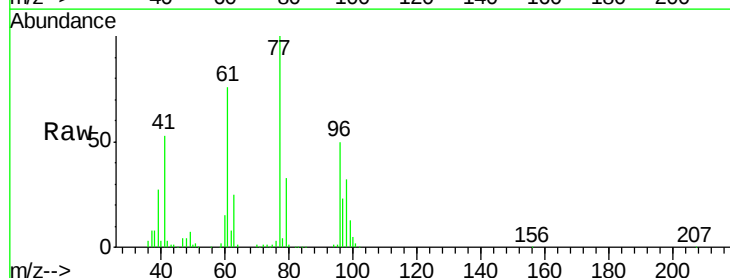
Acq: 09 Jul 2020 09:45

Tgt Ion: 77 Resp: 258914

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

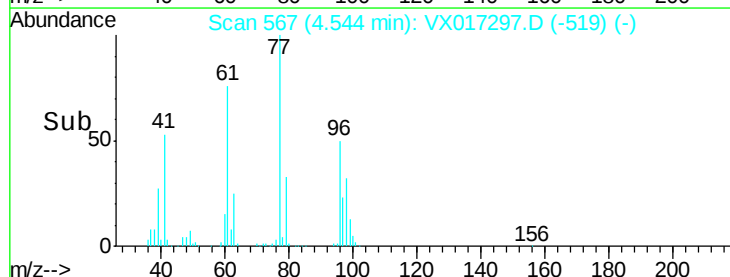
40000

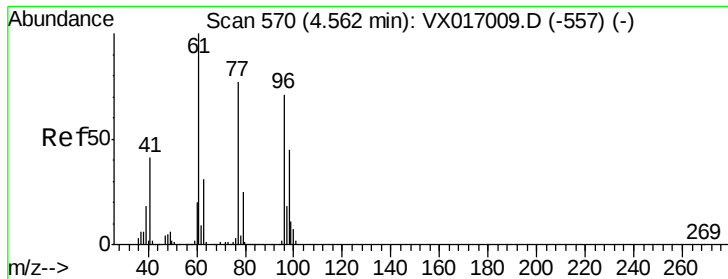
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

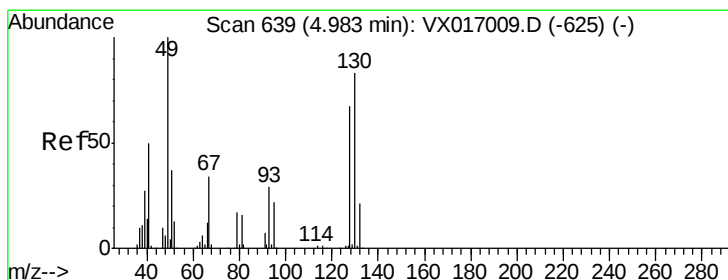
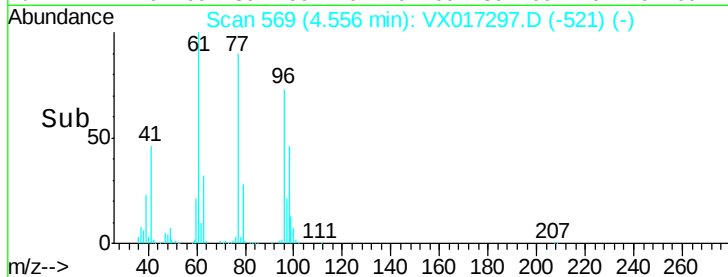
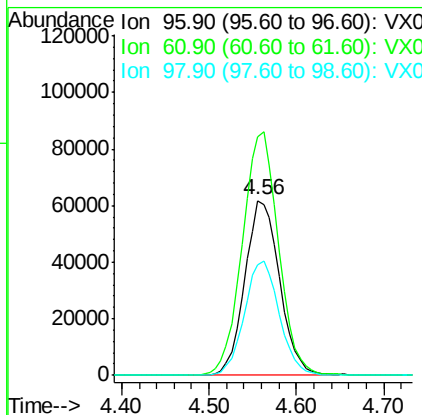
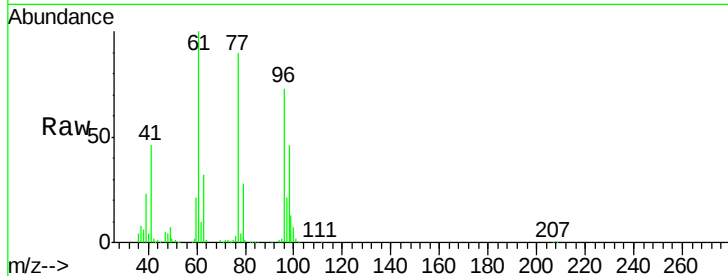
cis-1,2-Dichloroethene
Concen: 46.880 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	282.8
98	65.7	0.0	127.6

Manual Integrations
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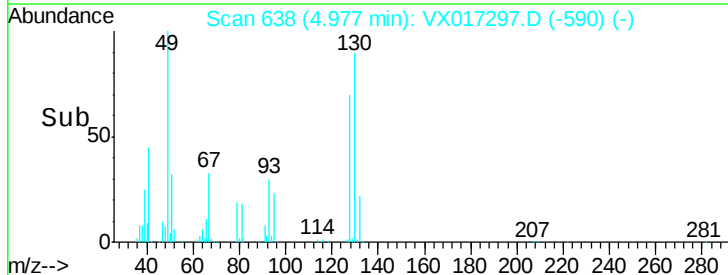
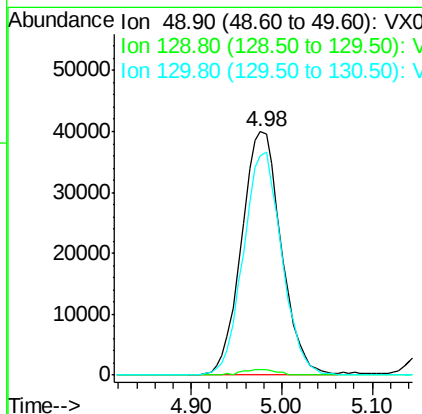
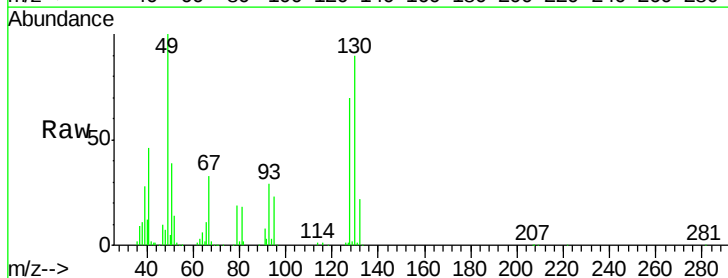
MMDadoda
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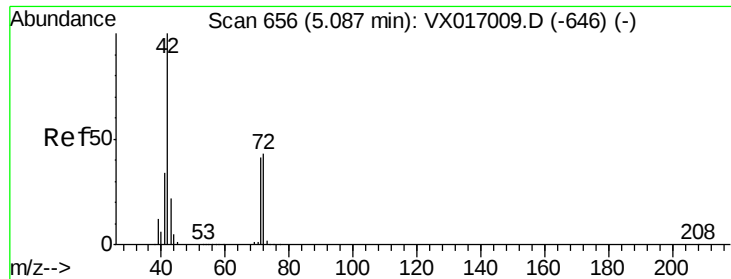


#28

Bromochloromethane
Concen: 44.089 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	88.7	66.6	100.0





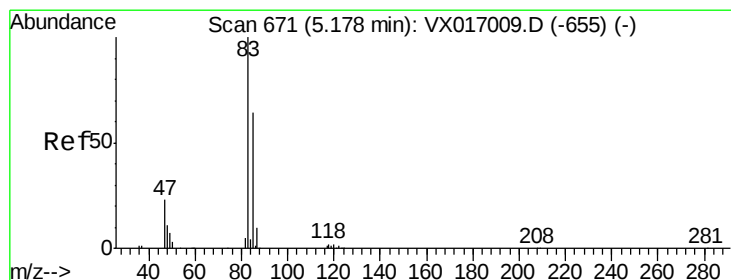
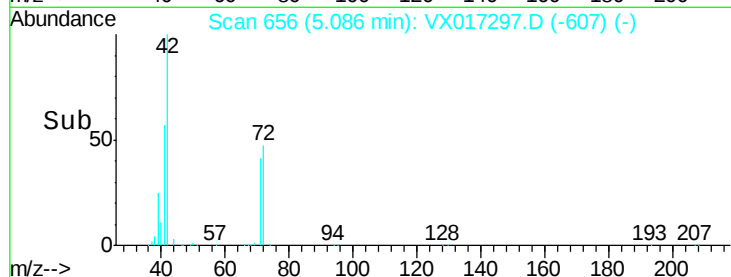
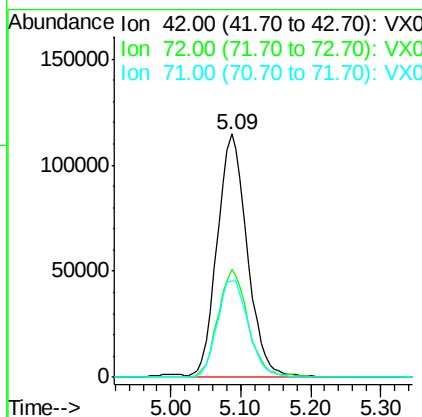
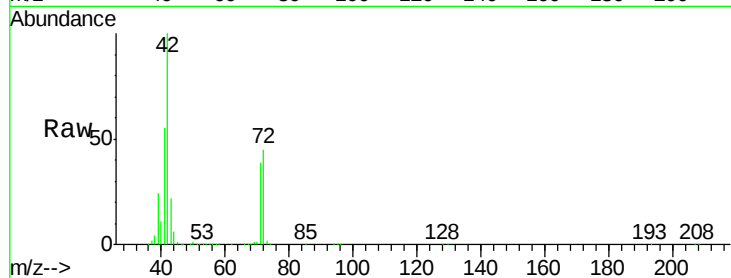
#29
Tetrahydrofuran
Concen: 227.688 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	45.1	35.3	52.9	
71	41.8	33.1	49.7	

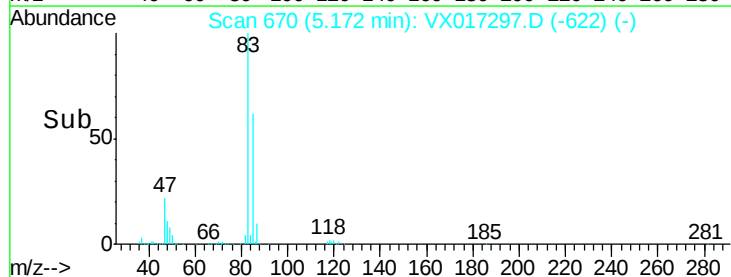
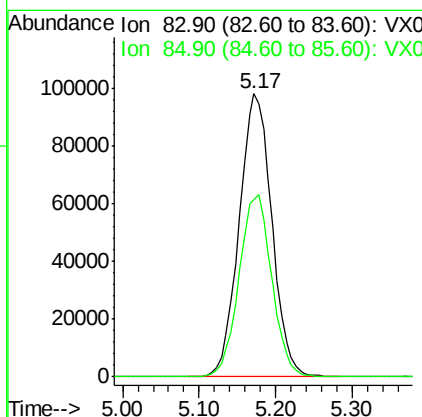
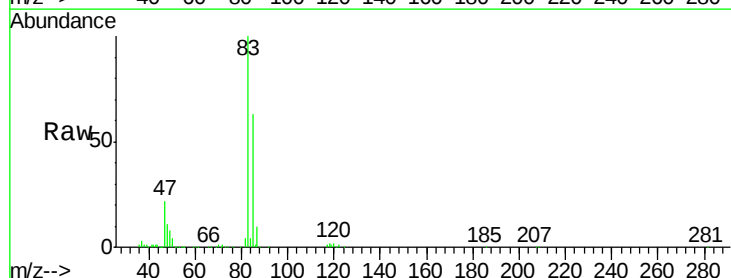
Manual Integrations
APPROVED

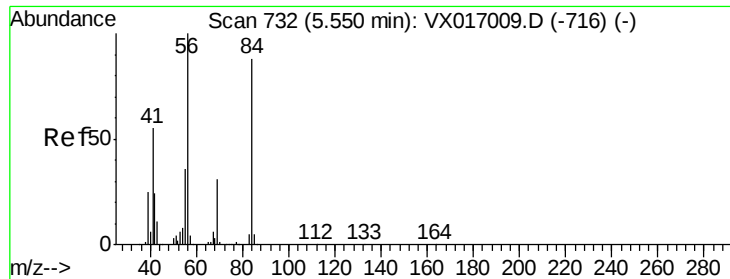
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#30
Chloroform
Concen: 50.097 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.6	51.4	77.2	





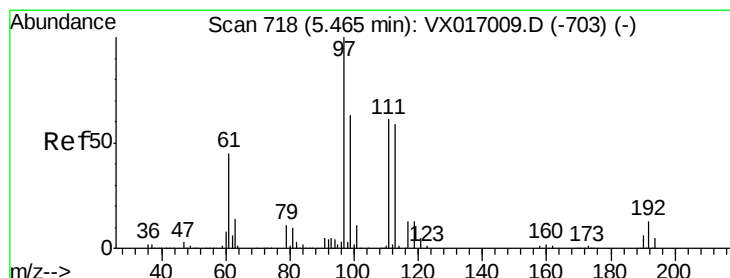
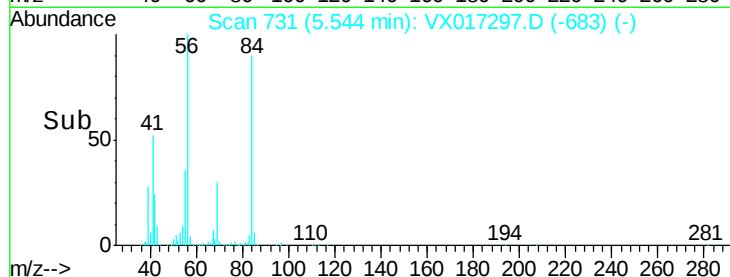
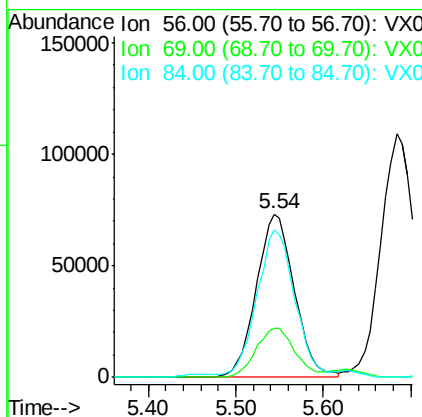
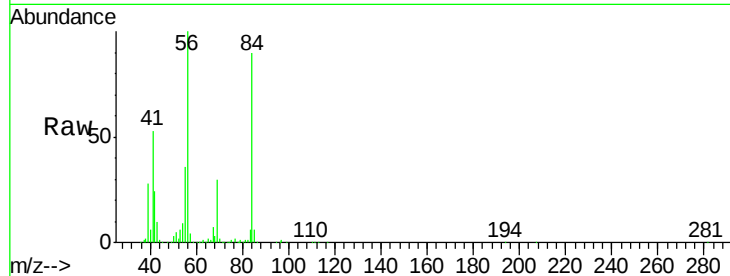
#31
Cyclohexane
Concen: 45.206 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.0	37.4
84	88.8	69.1	103.7

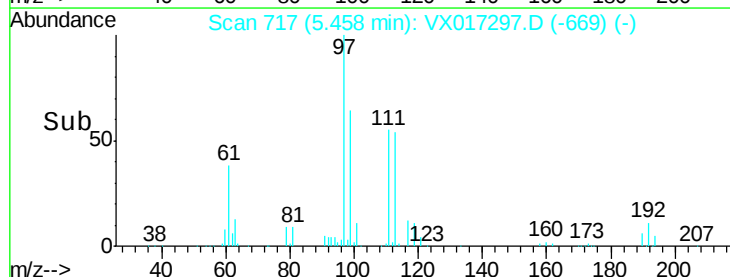
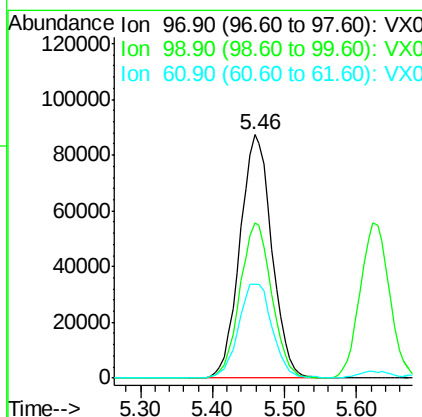
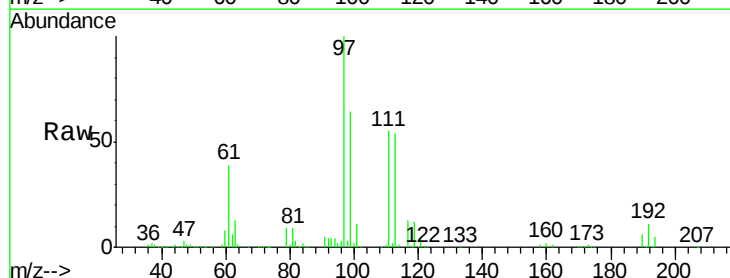
Manual Integrations
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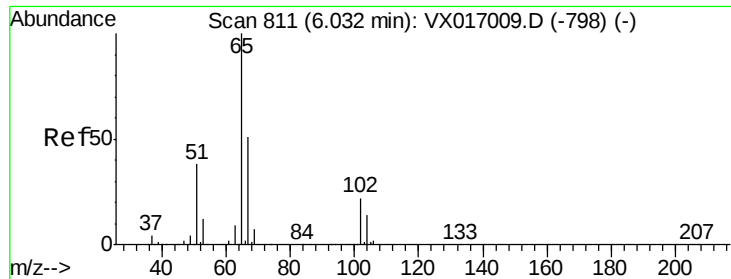
MMDadoda
7/10/2020 12:36:30 PM



#32
1,1,1-Trichloroethane
Concen: 50.183 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.8	76.2
61	40.7	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 45.663 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 165542

Ion Ratio Lower Upper

65 100

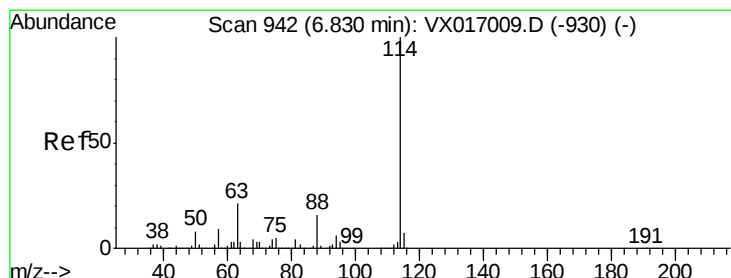
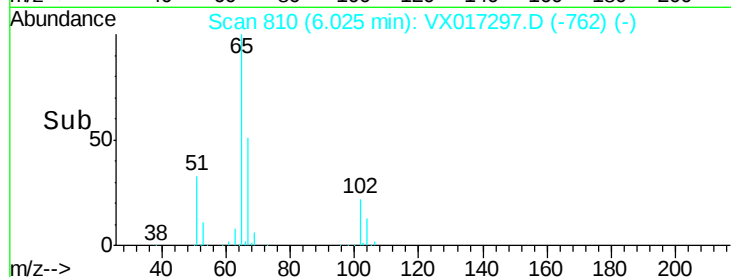
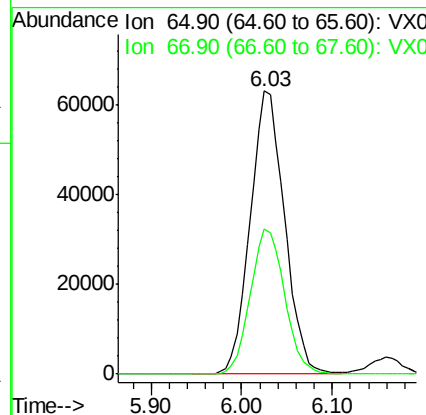
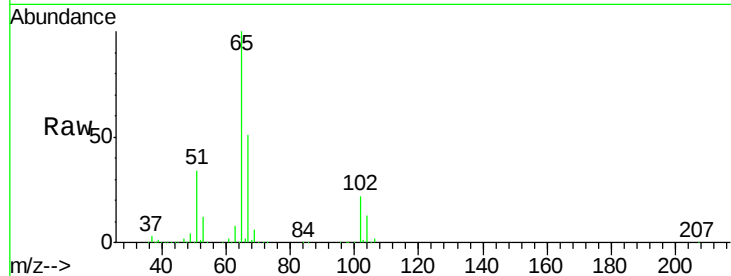
67 51.2 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

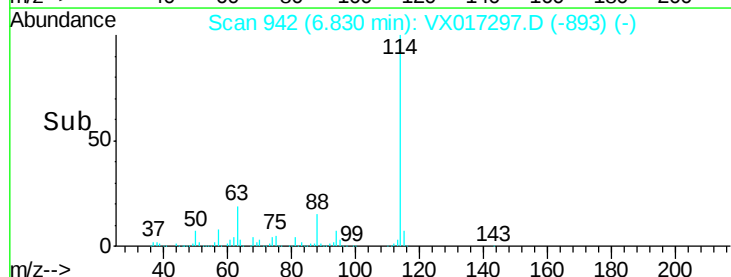
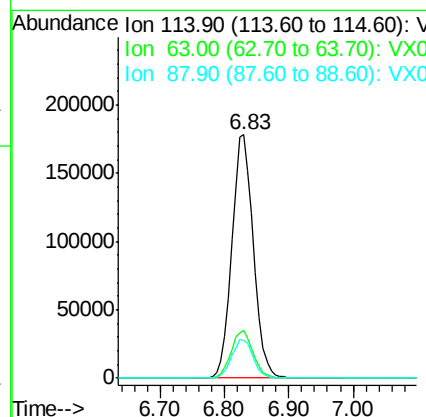
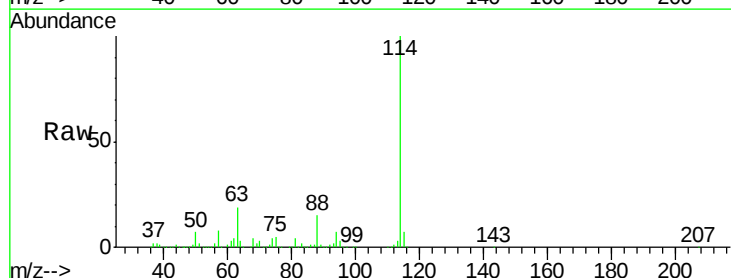
Tgt Ion: 114 Resp: 419334

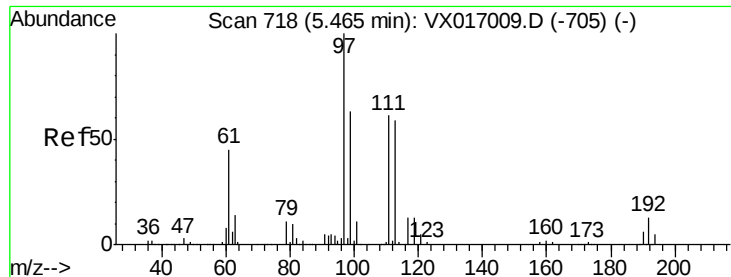
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

88 15.2 0.0 32.4





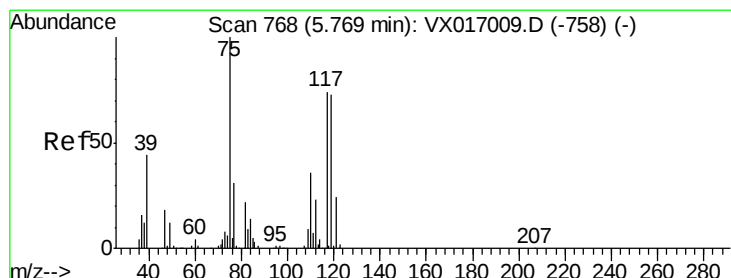
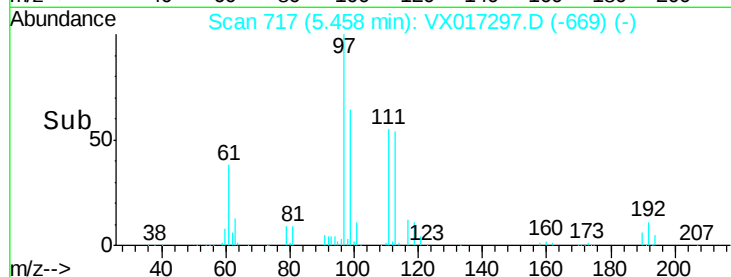
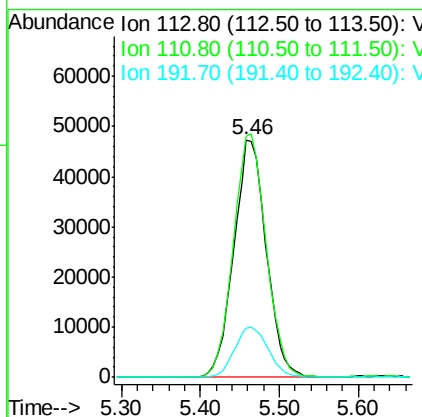
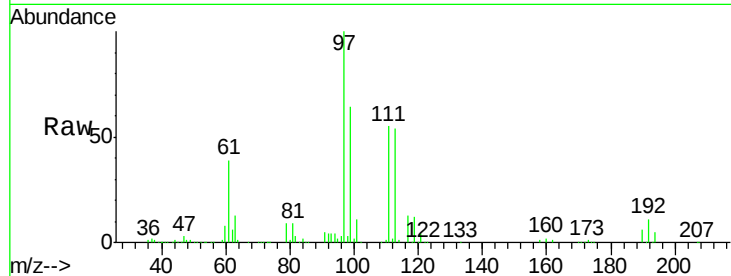
#35
Dibromofluoromethane
Concen: 51.039 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	135386		
111	103.4	81.9	122.9	
192	22.1	16.7	25.1	

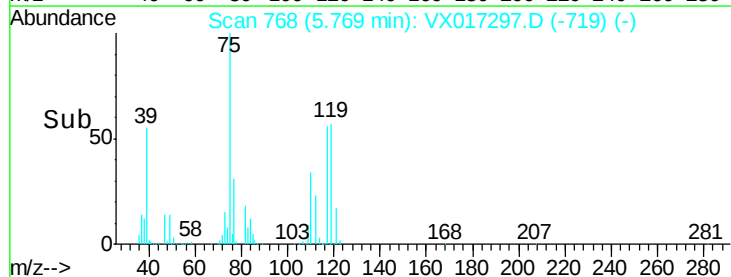
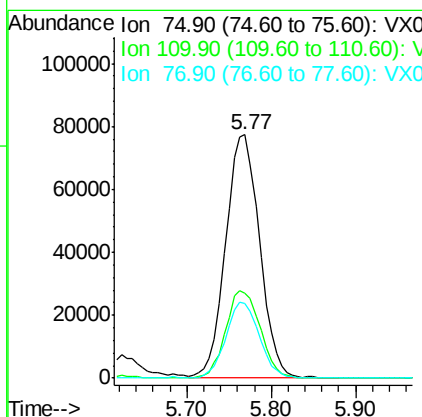
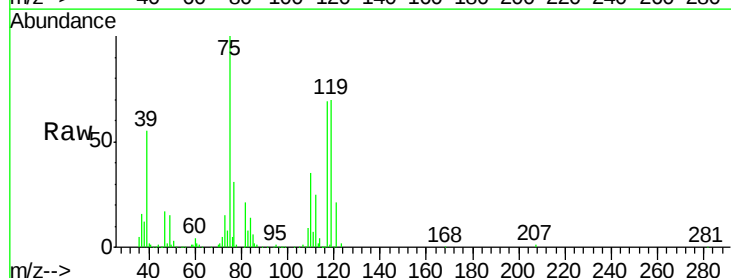
Manual Integrations
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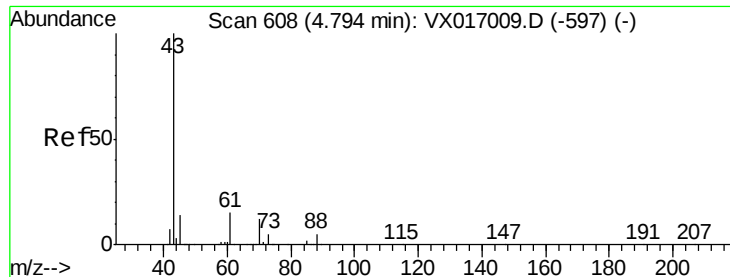
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#36
1,1-Dichloropropene
Concen: 53.633 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	212560		
110	36.4	18.1	54.1	
77	30.7	24.6	37.0	





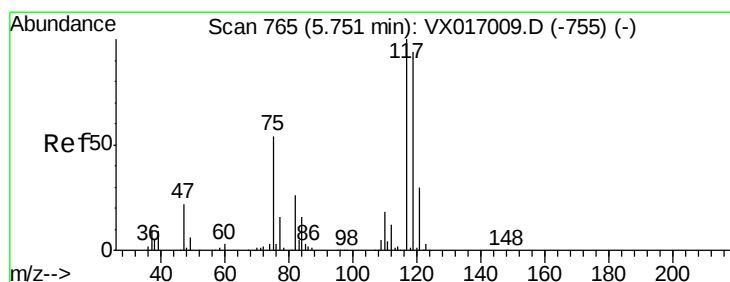
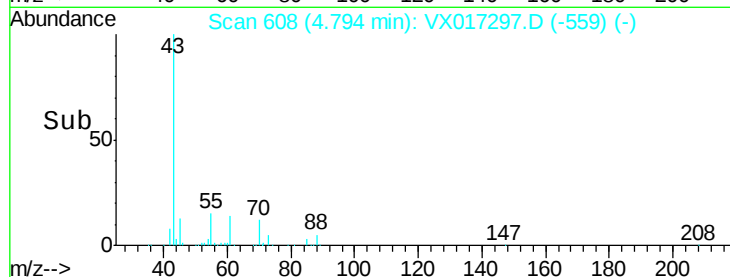
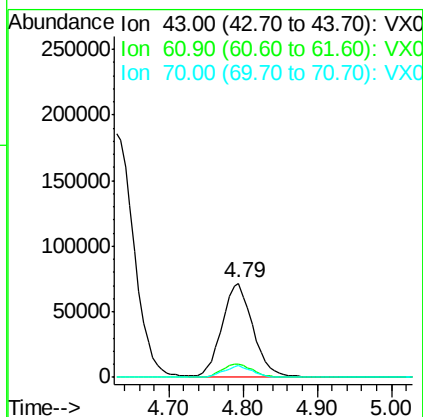
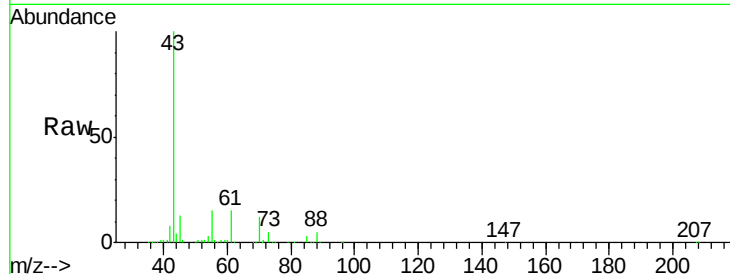
#37
Ethyl Acetate
Concen: 51.614 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.4
70	11.5	8.9	13.3

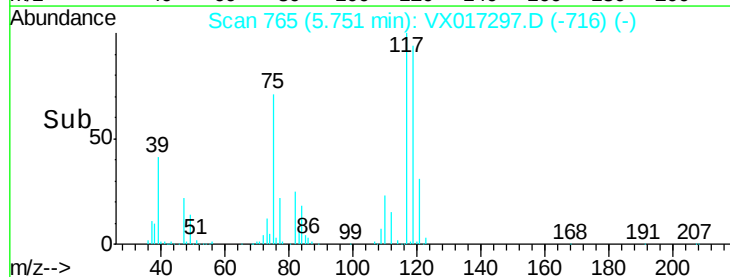
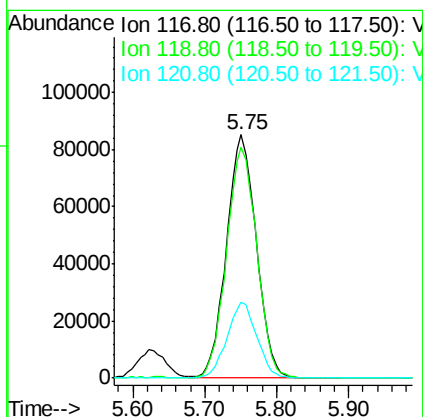
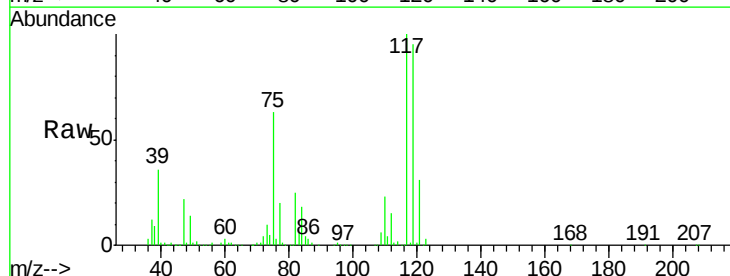
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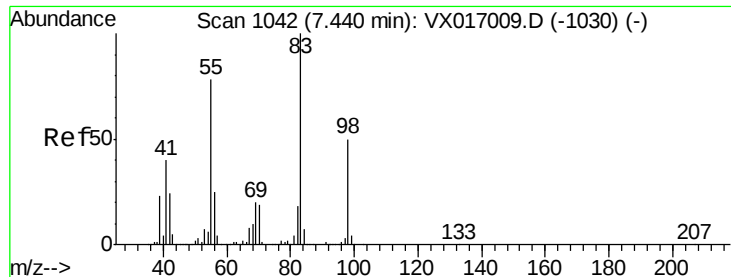
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#38
Carbon Tetrachloride
Concen: 56.298 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.4	113.0
121	31.0	23.8	35.6





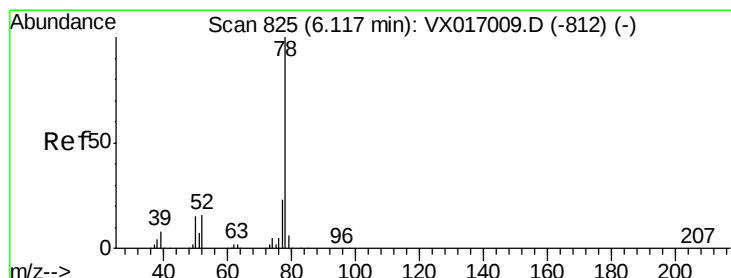
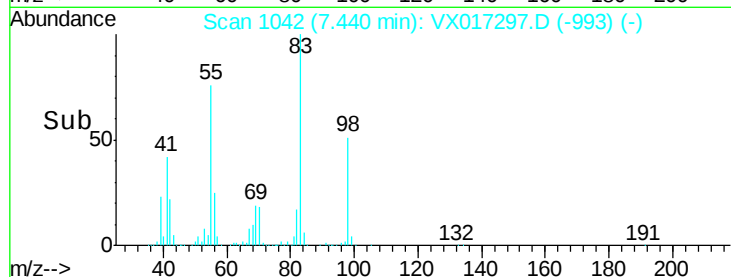
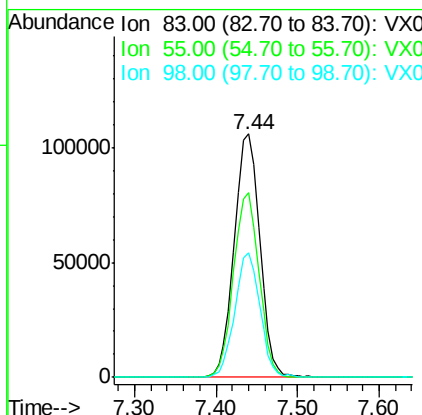
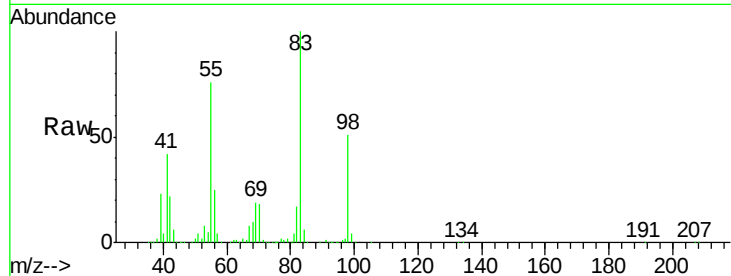
#39
Methvlcvclohexane
Concen: 52.295 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	230599		
55	75.7	62.5	93.7	
98	50.9	40.1	60.1	

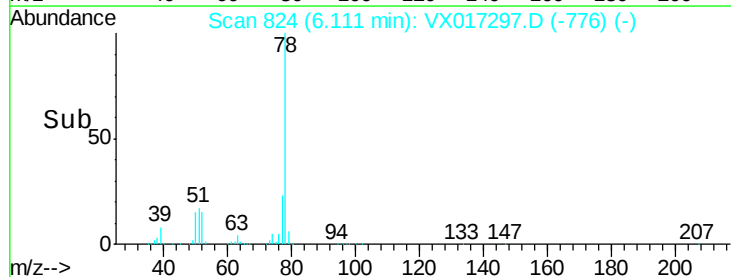
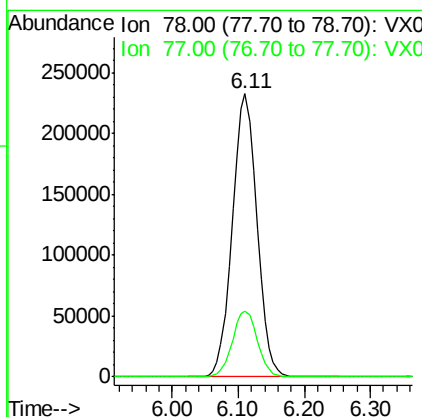
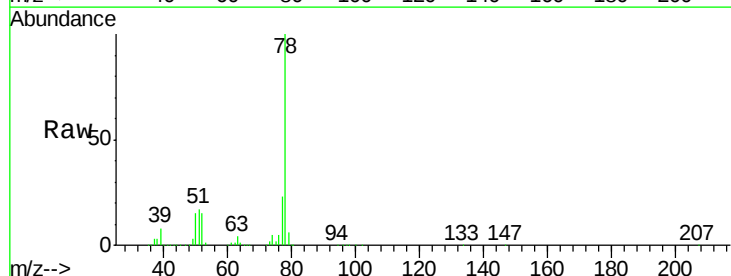
Manual Integrations
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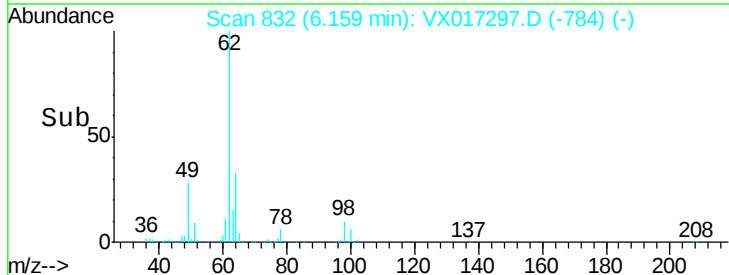
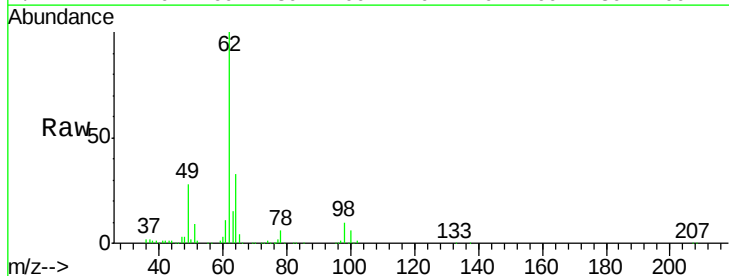
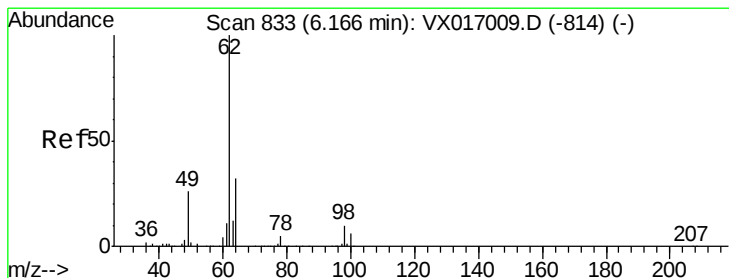
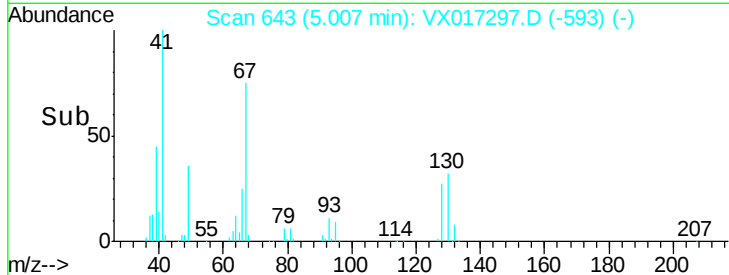
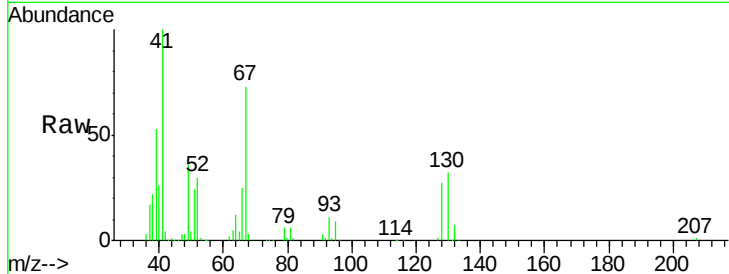
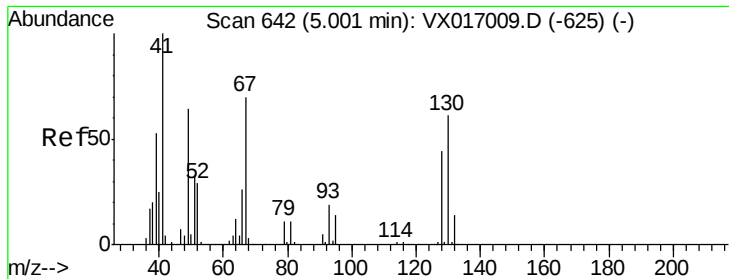
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#40
Benzene
Concen: 51.591 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	600754		
77	23.3	18.3	27.5	





#41

Methacrylonitrile

Concen: 50.886 ug/l

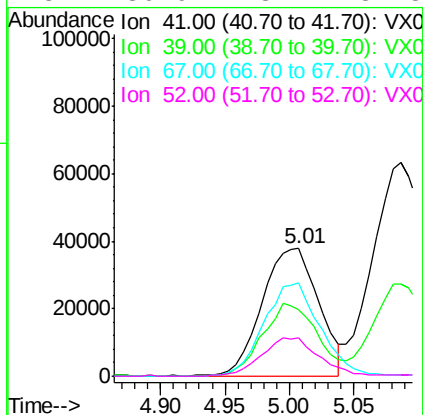
RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.4	66.6
67	73.2	57.1	85.7
52	30.9	23.2	34.8



Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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7/10/2020 12:36:30 PM

#42

1,2-Dichloroethane

Concen: 56.080 ug/l

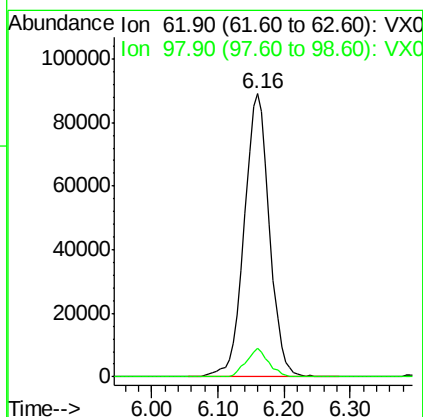
RT: 6.16 min Scan# 832

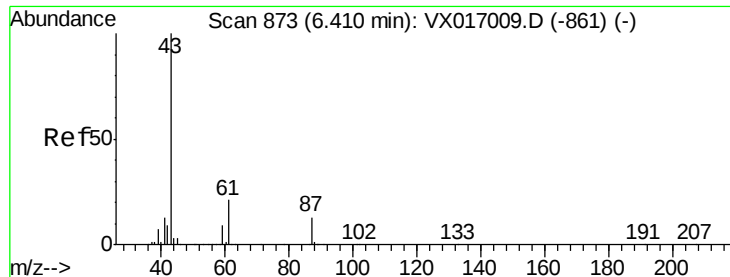
Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2





#43

Isopropyl Acetate

Concen: 51.552 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

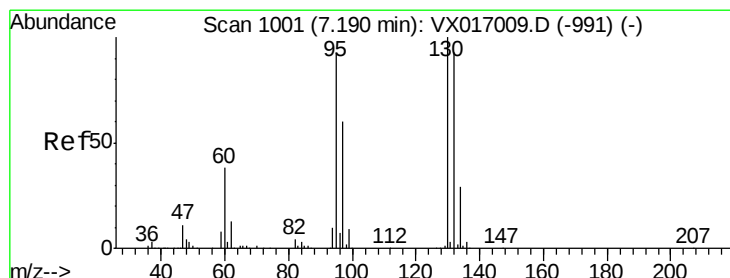
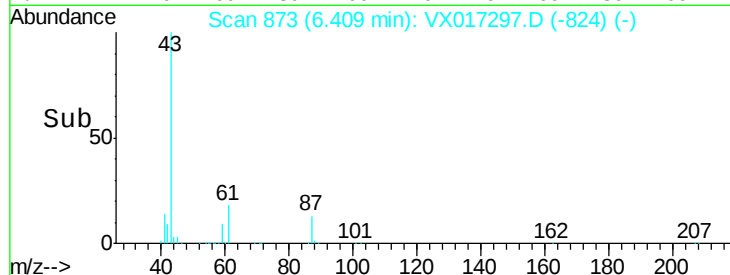
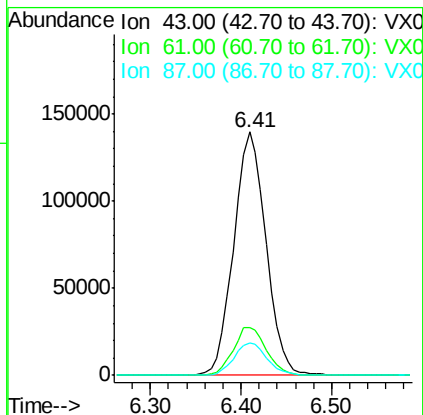
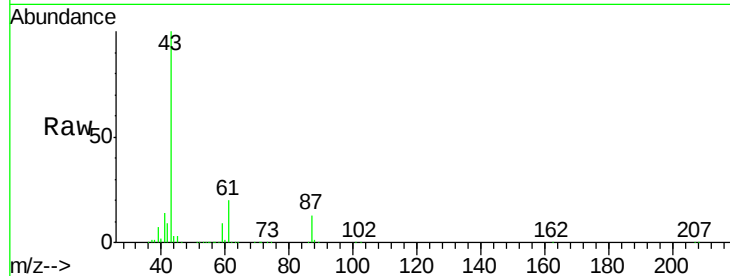
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	344464
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.2	24.2
87	13.6	10.7	16.1

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#44

Trichloroethene

Concen: 57.012 ug/l

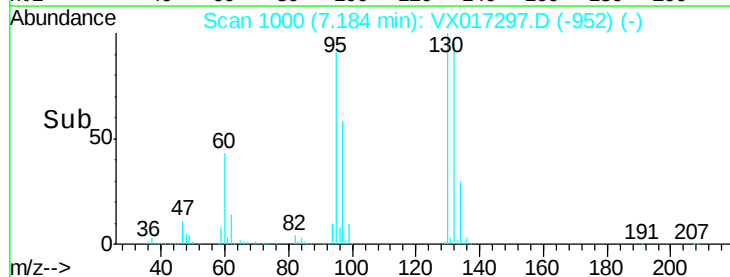
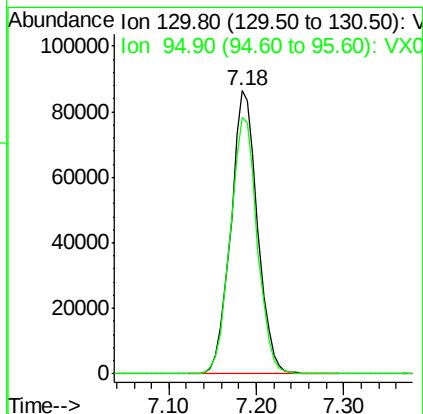
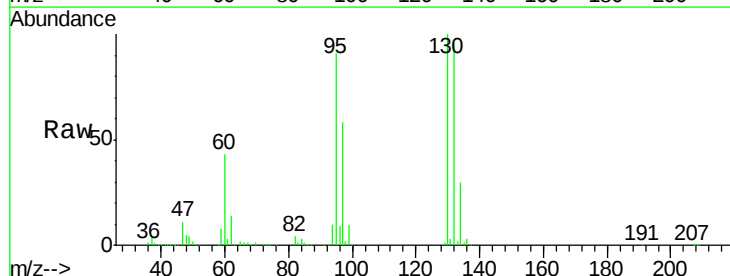
RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion:	130	Resp:	183058
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	185.0





#45

1,2-Dichloropropane

Concen: 53.240 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 159232

Ion Ratio Lower Upper

63 100

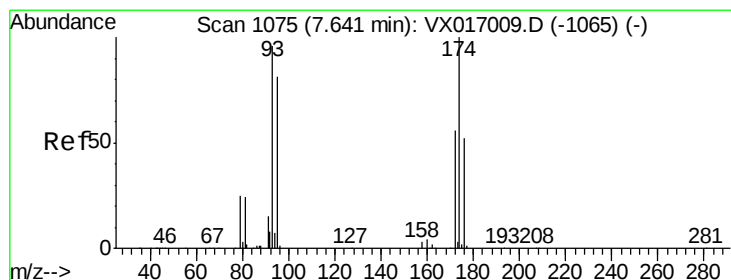
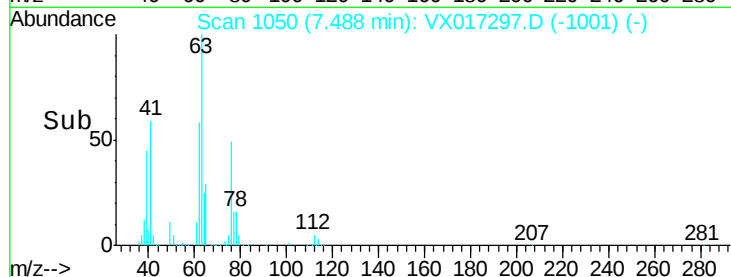
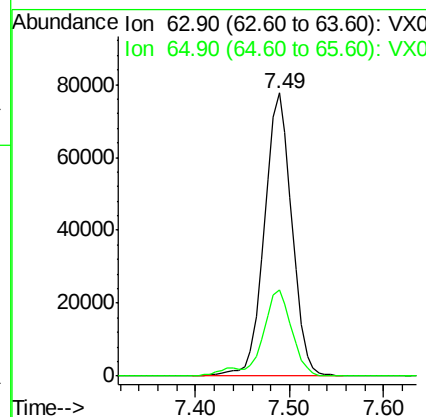
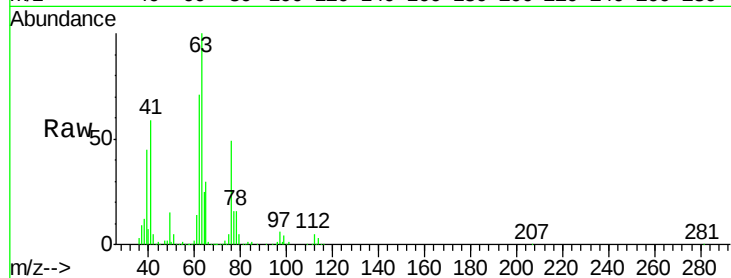
65 30.4 24.6 36.8

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#46

Dibromomethane

Concen: 54.936 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

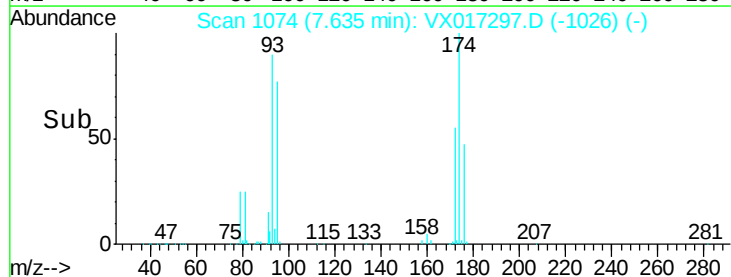
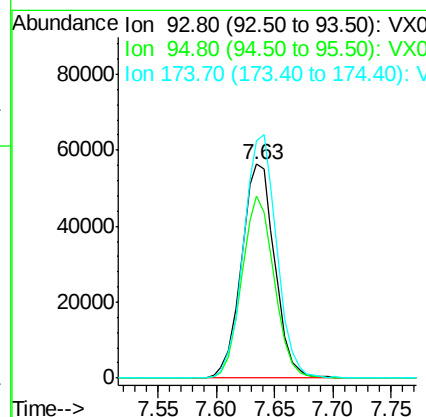
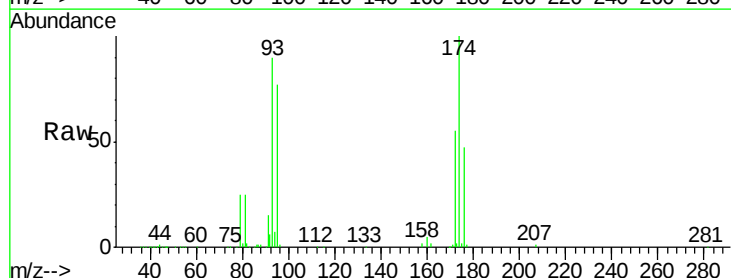
Tgt Ion: 93 Resp: 112174

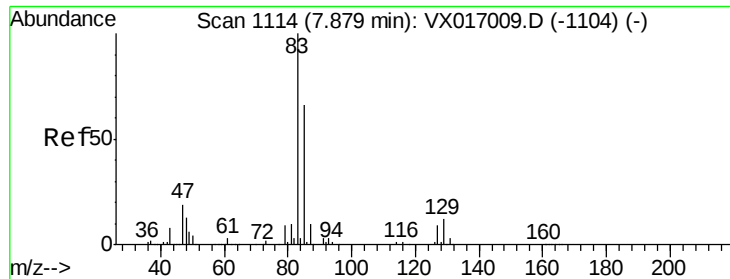
Ion Ratio Lower Upper

93 100

95 82.9 67.4 101.0

174 112.9 84.3 126.5





#47

Bromodichloromethane

Concen: 57.188 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

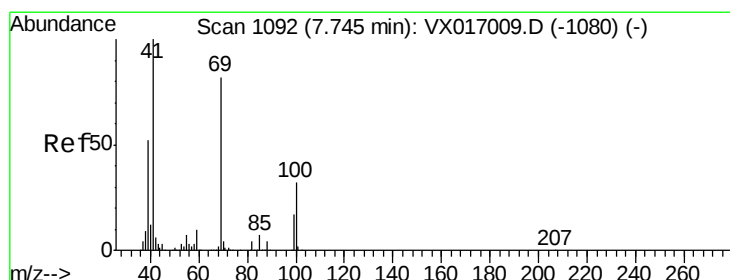
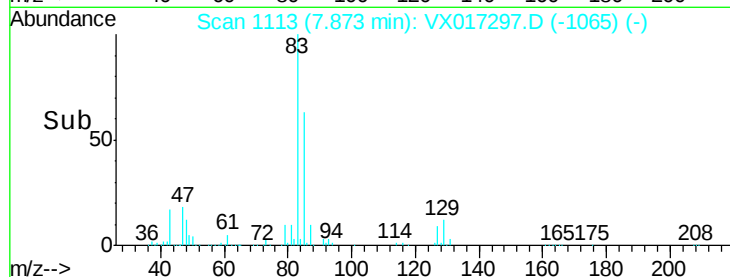
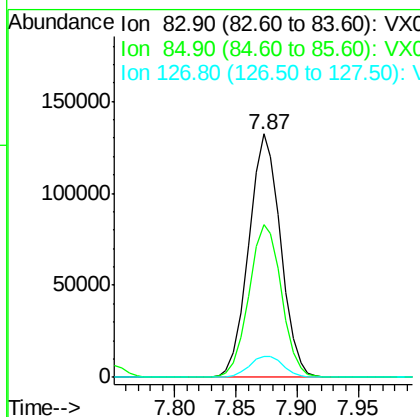
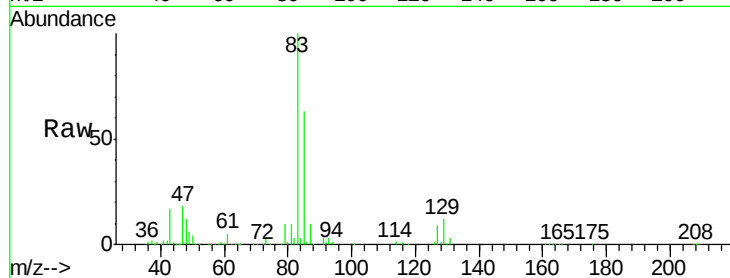
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	240644
Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.0	79.4
127	8.7	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.645 ug/l

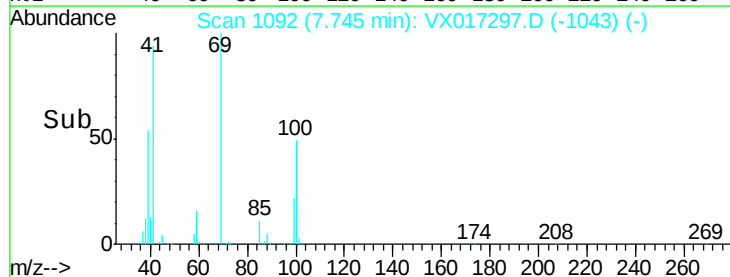
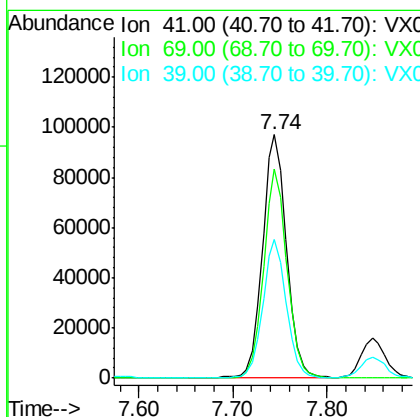
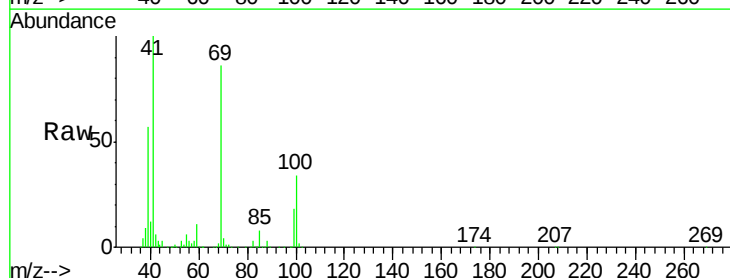
RT: 7.74 min Scan# 1092

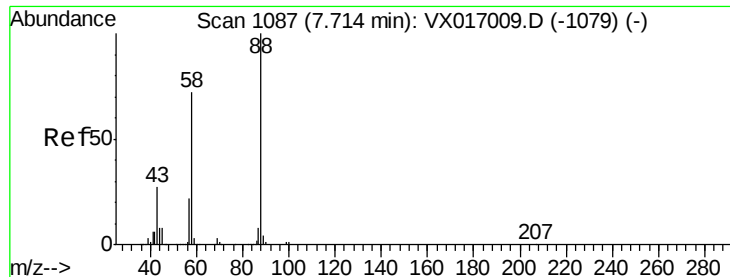
Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion:	41	Resp:	173472
Ion	Ratio	Lower	Upper
41	100		
69	83.8	65.8	98.8
39	55.7	42.5	63.7





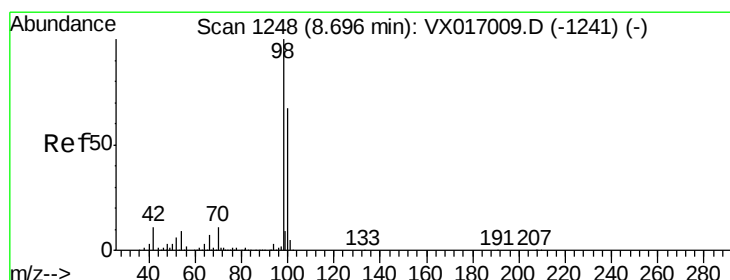
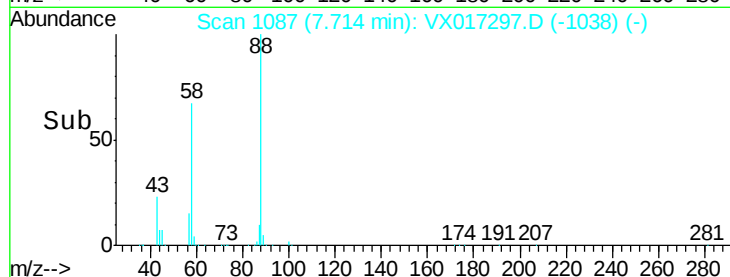
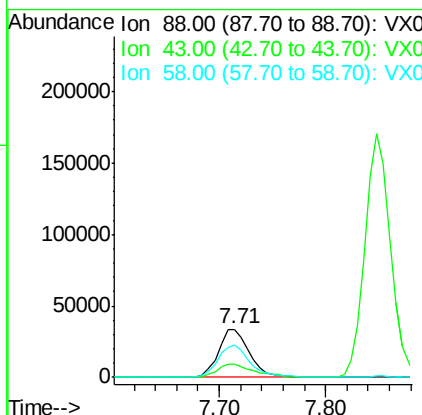
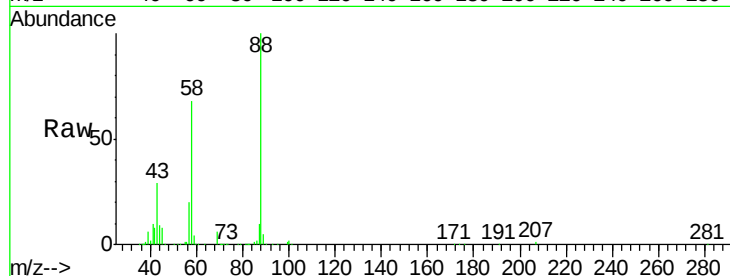
#49
1,4-Dioxane
Concen: 939.646 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.8	38.8
58	70.5	54.8	82.2

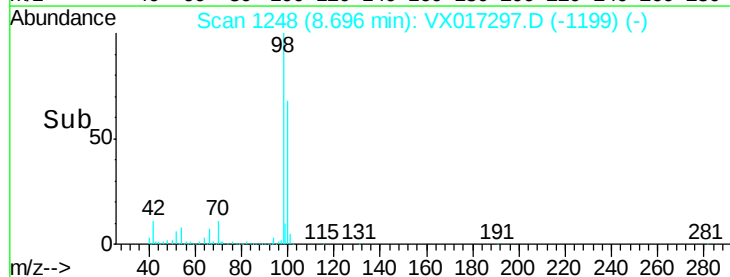
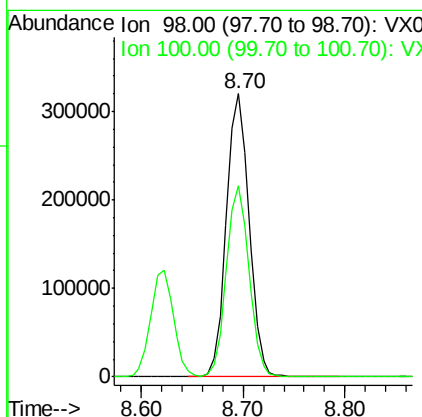
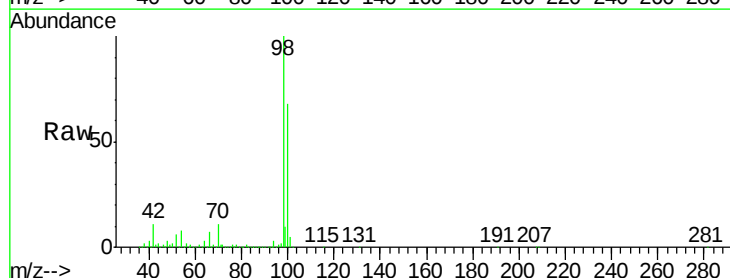
Manual Integrations
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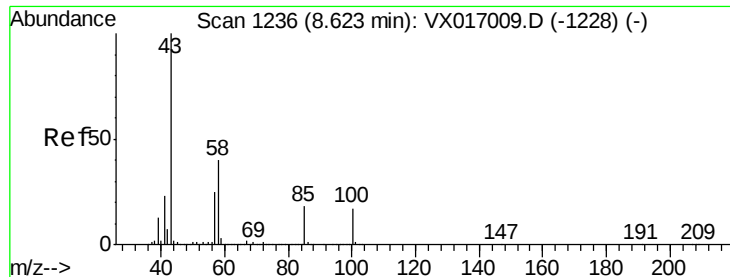
MMDadoda
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#50
Toluene-d8
Concen: 50.269 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 270.321 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1076713

Ion Ratio Lower Upper

43 100

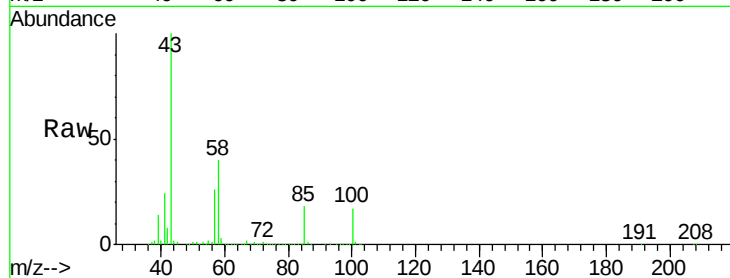
58 39.8 31.9 47.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

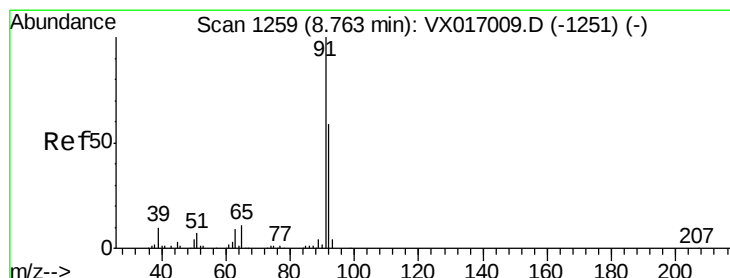
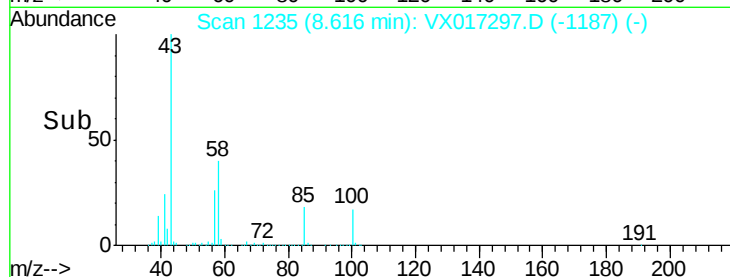
400000

200000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 54.716 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017297.D

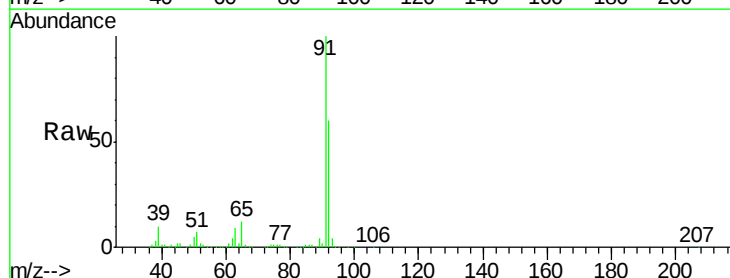
Acq: 09 Jul 2020 09:45

Tgt Ion: 92 Resp: 397795

Ion Ratio Lower Upper

92 100

91 169.8 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

300000

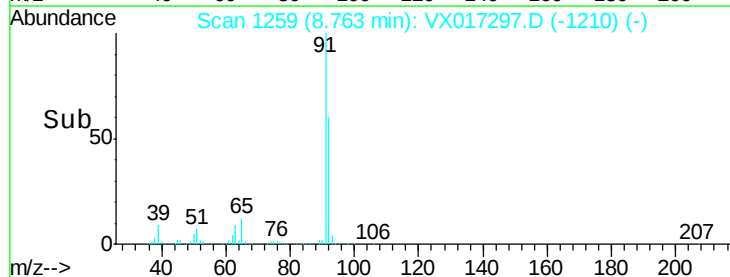
200000

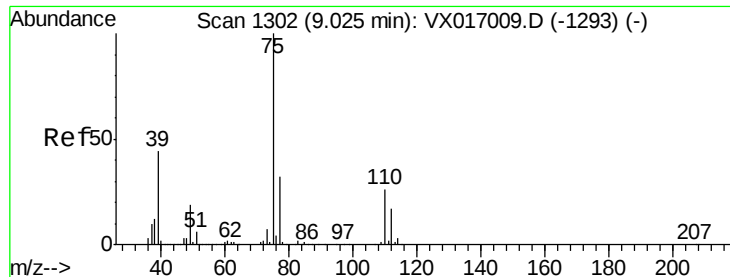
100000

0

8.70 8.75 8.80 8.85

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.653 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 267672

Ion Ratio Lower Upper

75 100

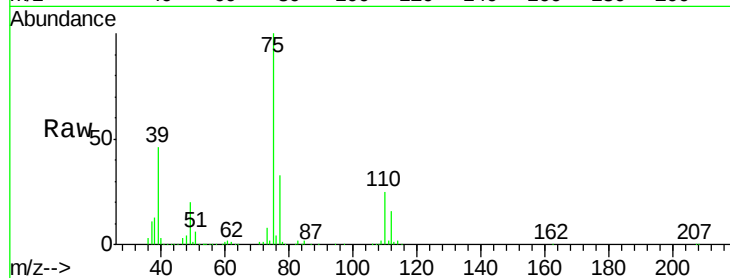
77 32.7 25.6 38.4

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

150000

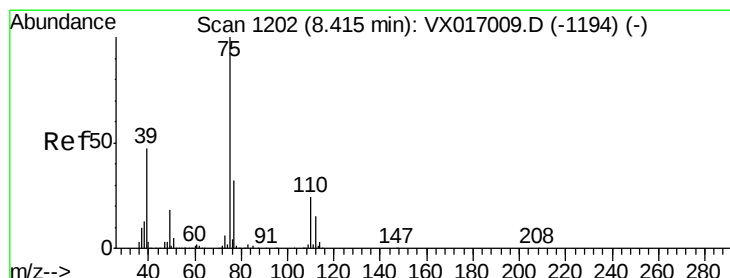
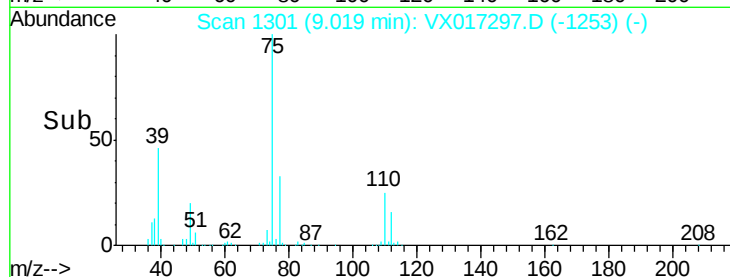
100000

50000

0

8.95 9.00 9.05 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.818 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

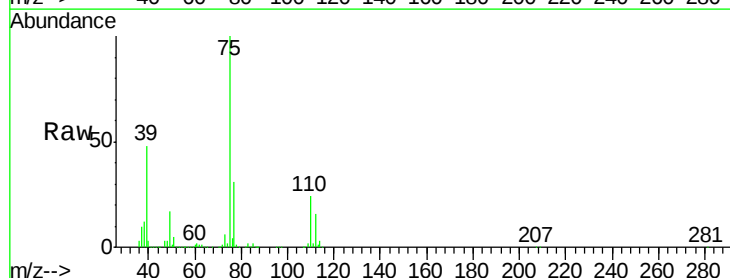
Tgt Ion: 75 Resp: 277808

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 47.4 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

200000

150000

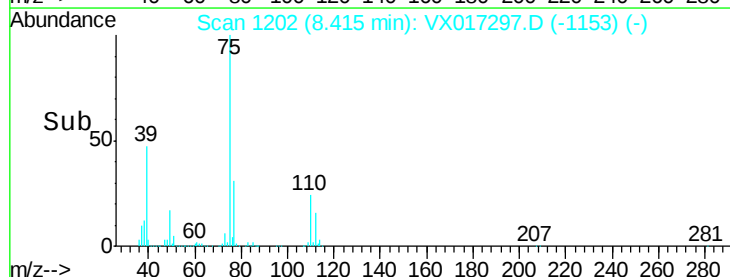
100000

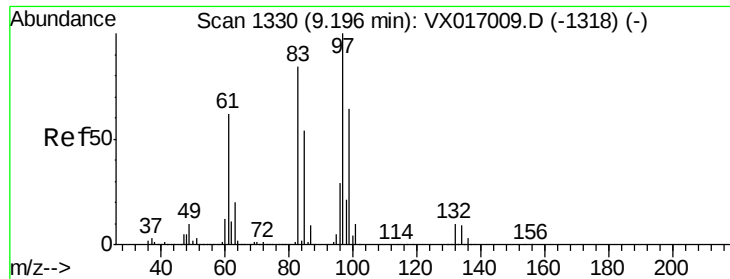
50000

0

8.30 8.35 8.40 8.45 8.50

Time-->





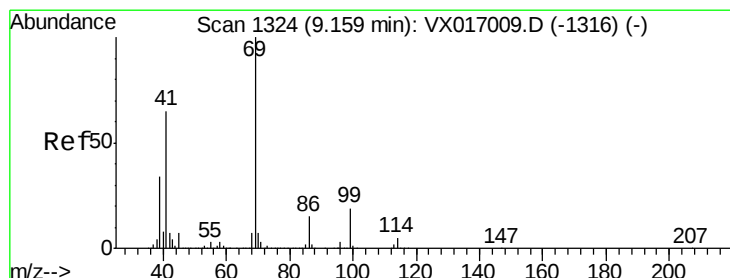
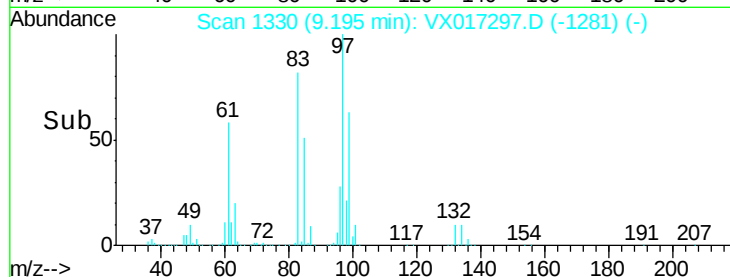
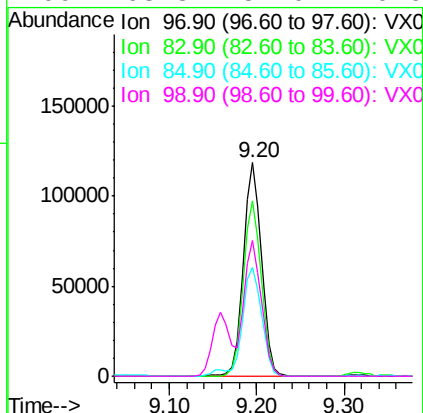
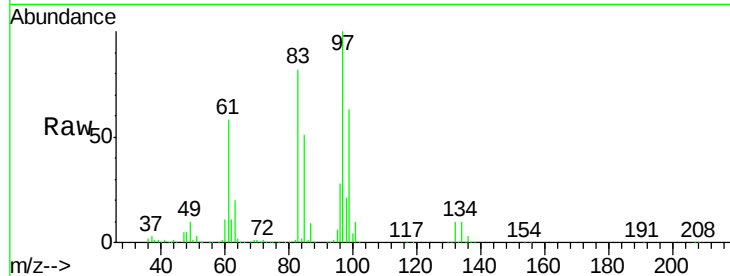
#55
 1,1,2-Trichloroethane
 Concen: 57.597 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	171087
Ion Ratio	Lower	Upper	
97	100		
83	82.2	67.0	100.6
85	51.0	43.5	65.3
99	63.3	51.0	76.6

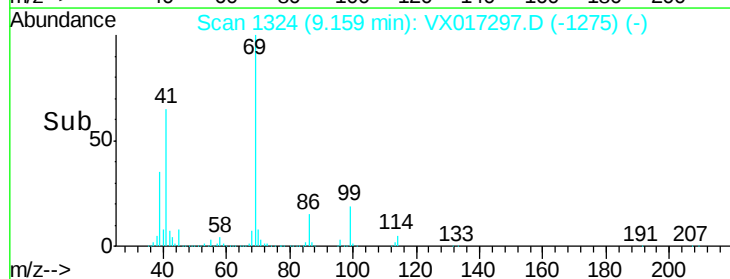
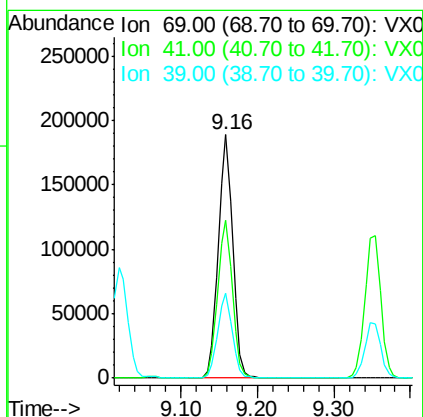
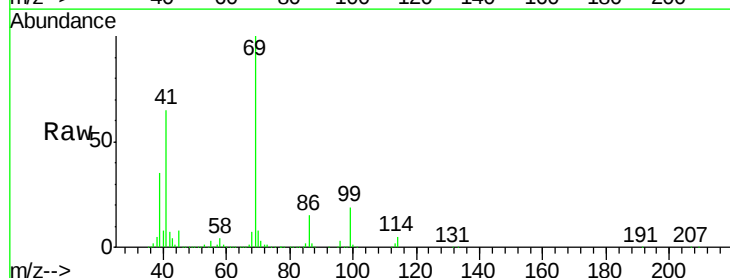
Manual Integrations
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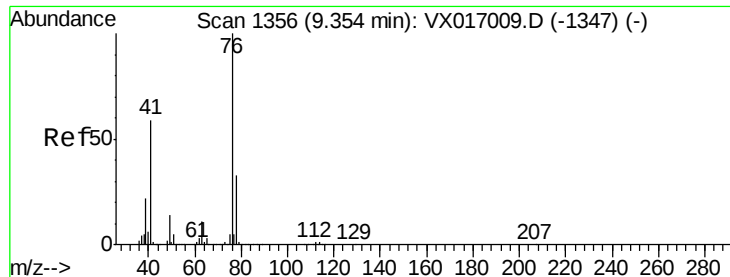
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#56
 Ethyl methacrylate
 Concen: 58.547 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Tgt Ion:	69	Resp:	247530
Ion Ratio	Lower	Upper	
69	100		
41	66.2	53.6	80.4
39	35.1	28.2	42.2





#57

1,3-Dichloropropane

Concen: 54.540 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 274130

Ion Ratio Lower Upper

76 100

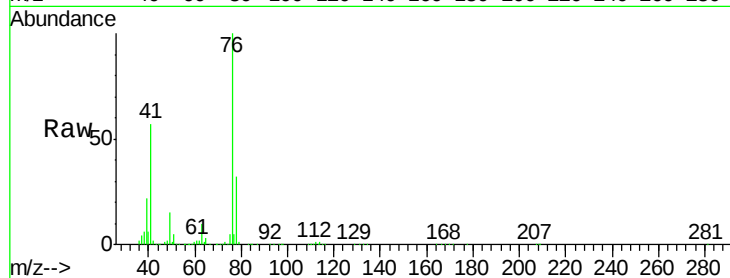
78 32.3 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

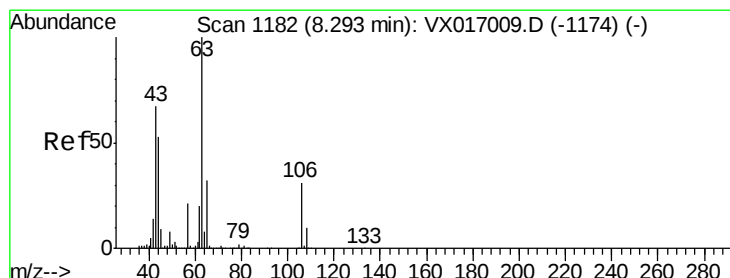
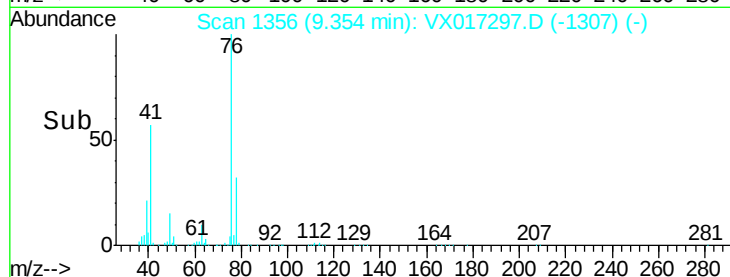
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 274.968 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX017297.D

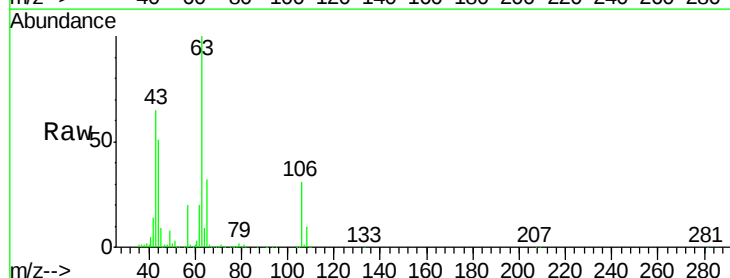
Acq: 09 Jul 2020 09:45

Tgt Ion: 63 Resp: 578578

Ion Ratio Lower Upper

63 100

106 31.0 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

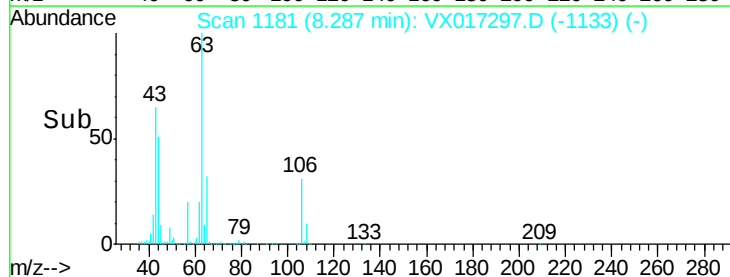
300000

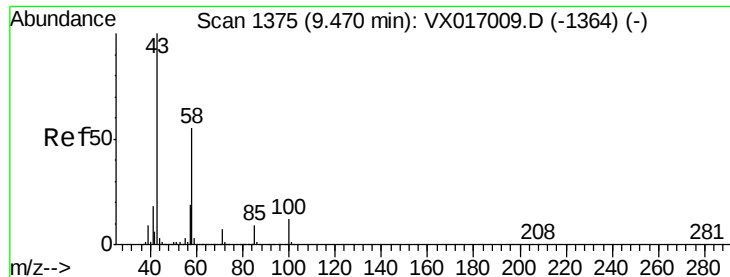
200000

100000

0

Time-->





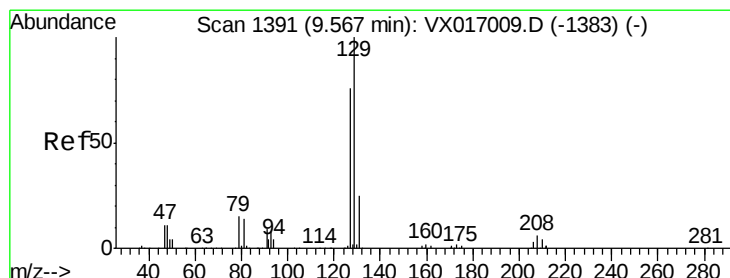
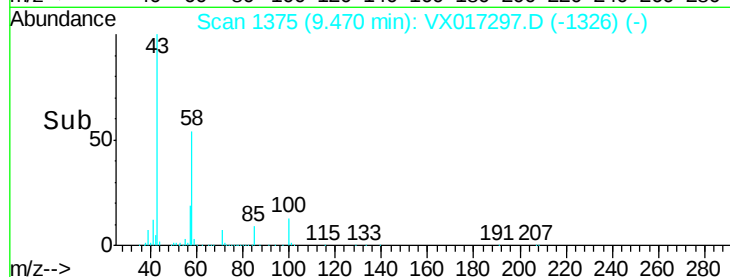
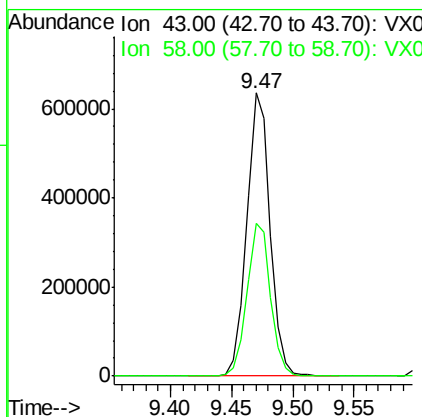
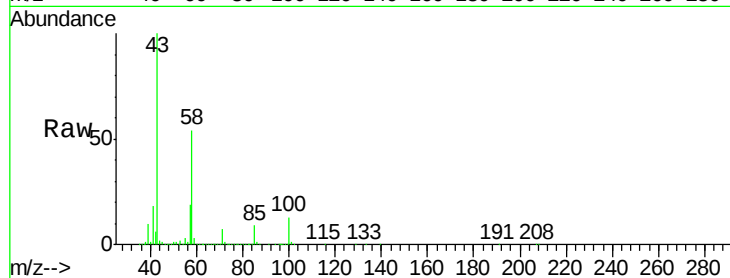
#59
2-Hexanone
Concen: 288.131 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.9	83.6

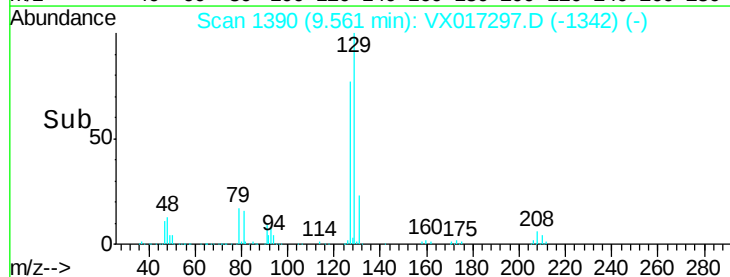
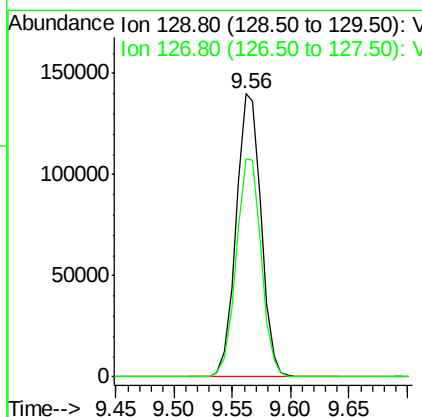
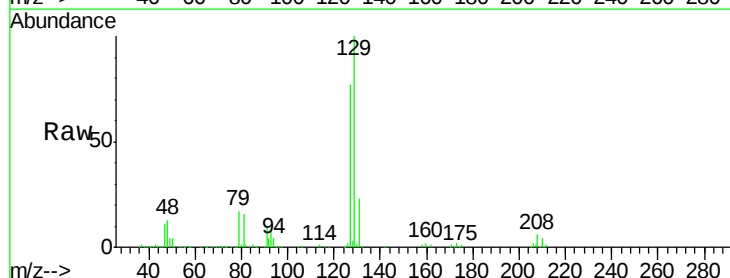
Manual Integrations
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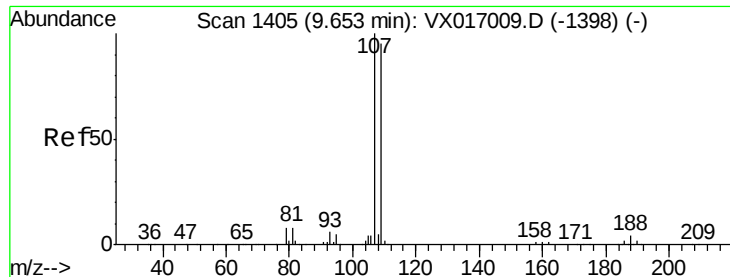
MMDadoda
7/10/2020 12:36:30 PM



#60
Dibromochloromethane
Concen: 60.460 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.9	116.7





#61

1,2-Dibromoethane

Concen: 56.624 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 180794

Ion Ratio Lower Upper

107 100

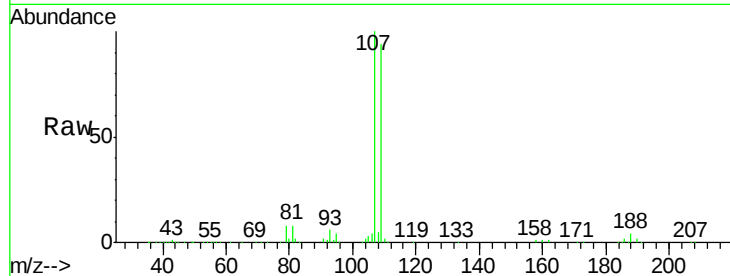
109 94.2 75.8 113.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

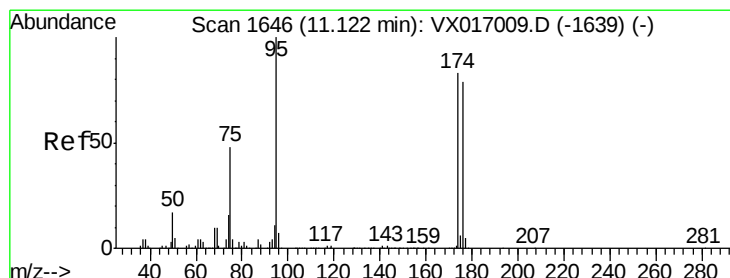
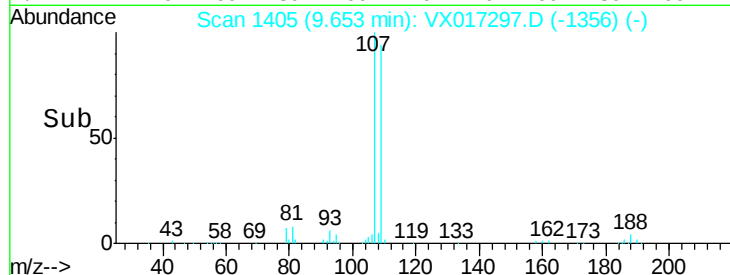
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.236 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

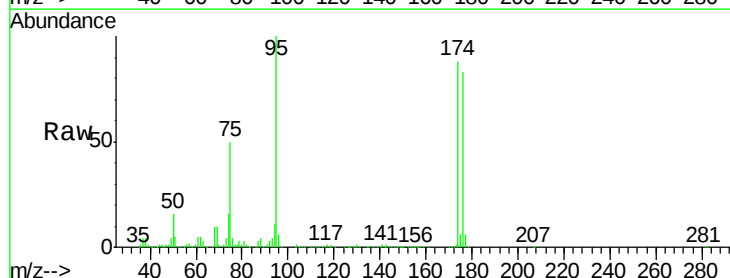
Tgt Ion: 95 Resp: 204125

Ion Ratio Lower Upper

95 100

174 85.0 0.0 164.0

176 81.1 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

200000

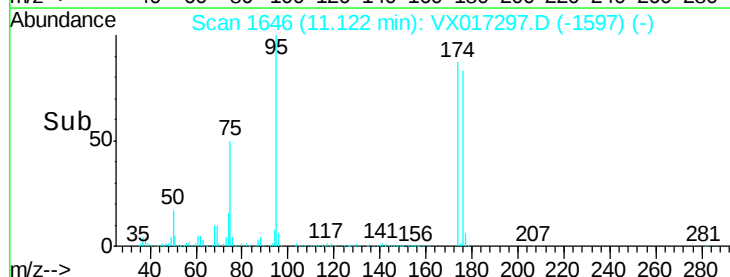
150000

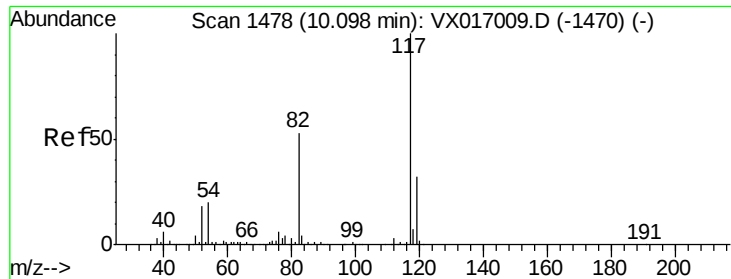
100000

50000

0

Time-->





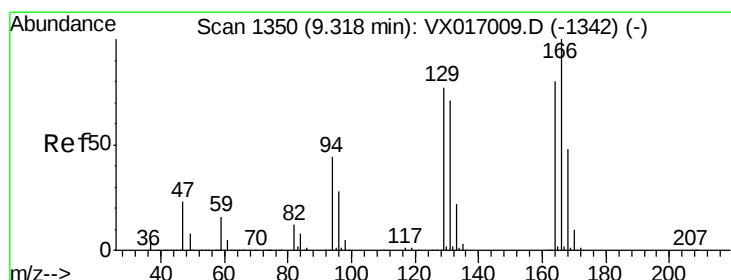
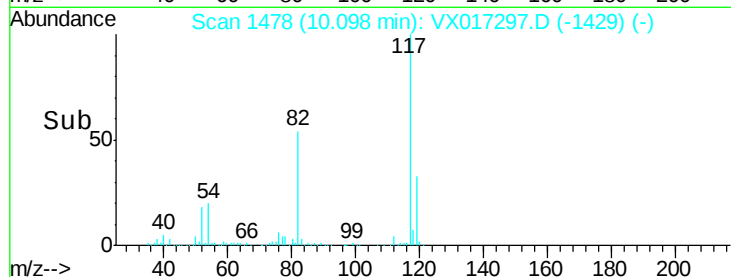
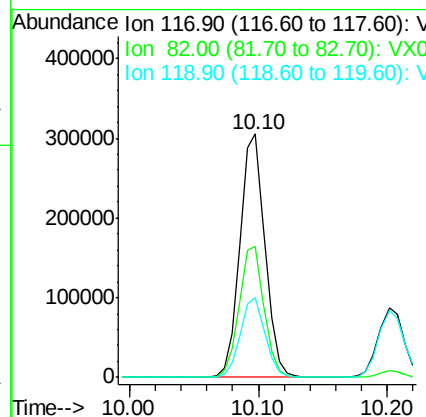
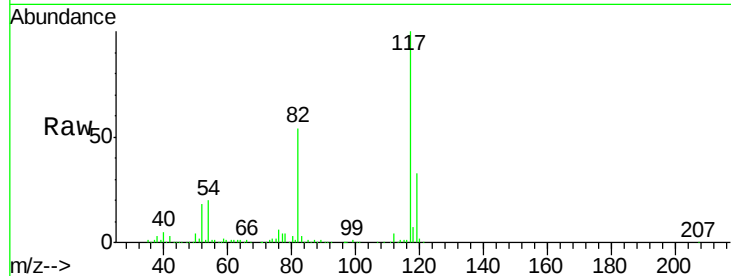
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	411648		
82	53.7	42.6	63.8	
119	32.5	25.4	38.2	

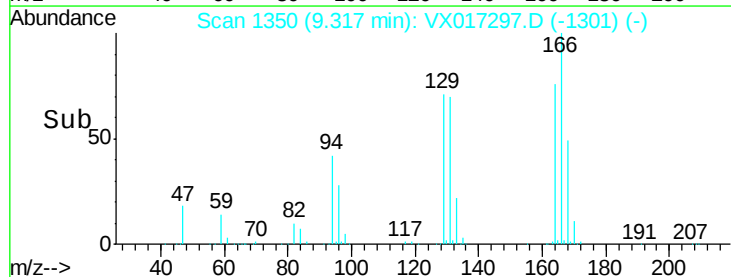
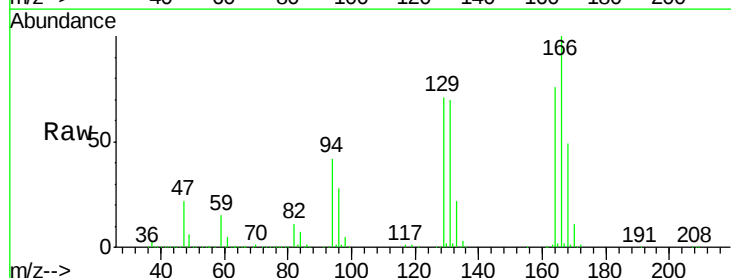
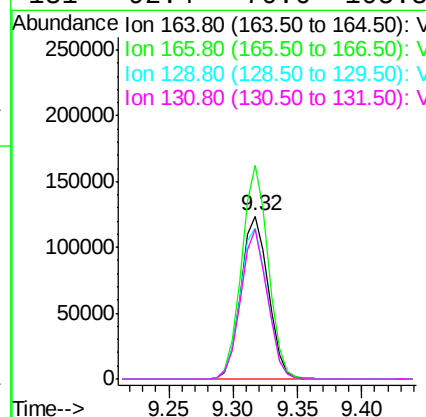
Manual Integrations
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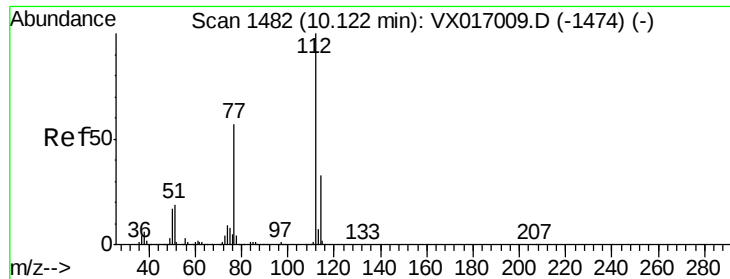
MMDadoda
7/10/2020 12:36:30 PM



#64
Tetrachloroethene
Concen: 55.083 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	183001		
166	131.3	99.4	149.0	
129	92.6	76.3	114.5	
131	92.4	70.6	105.8	





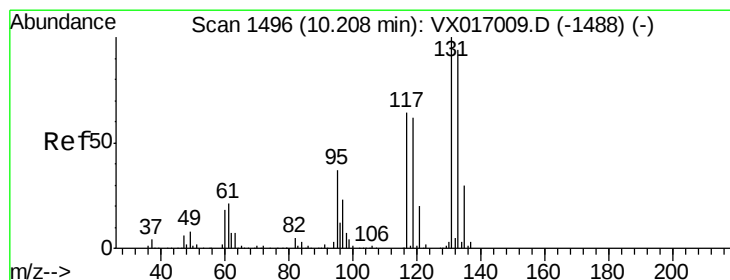
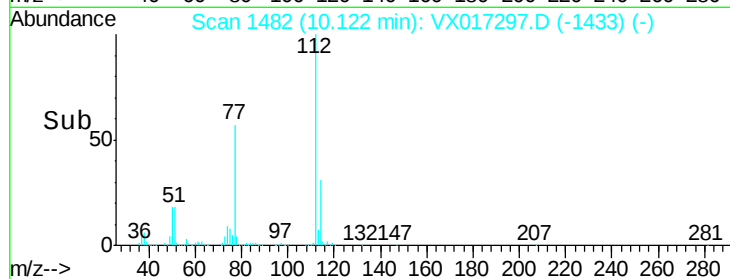
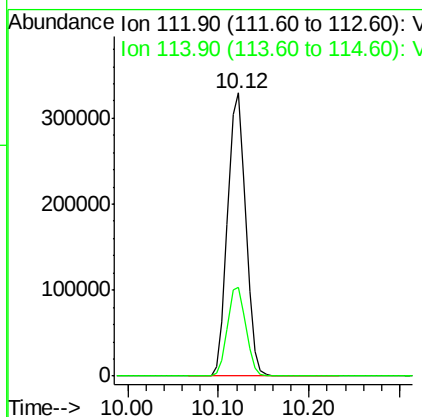
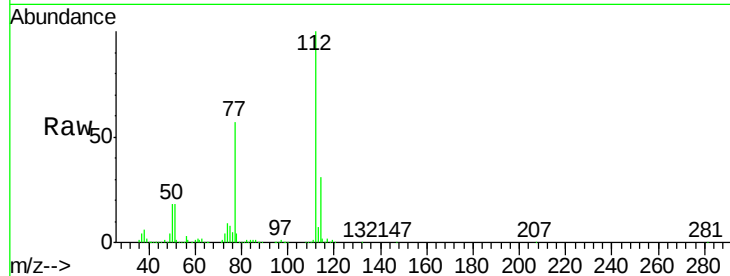
#65
Chlorobenzene
Concen: 54.225 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.2	39.4

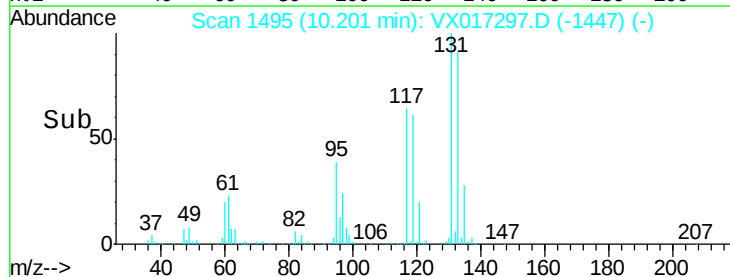
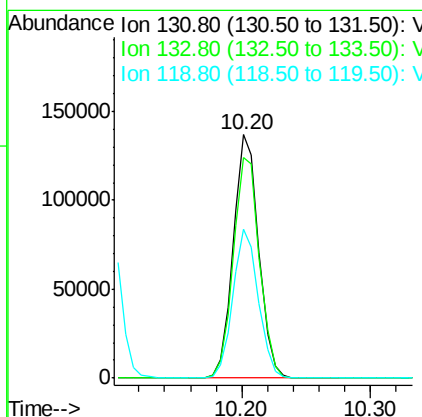
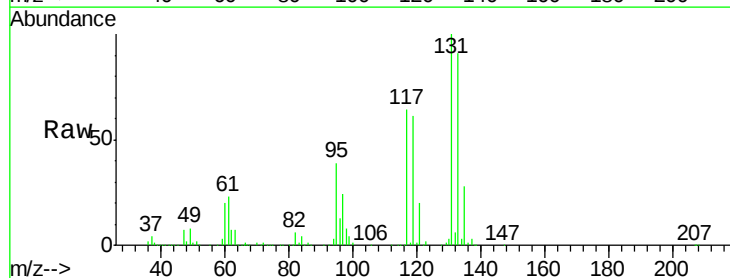
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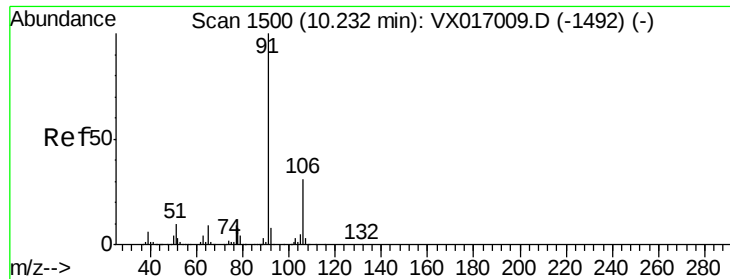
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.396 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.3	141.9
119	61.4	31.9	95.5





#67

Ethyl Benzene

Concen: 54.916 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 779188

Ion Ratio Lower Upper

91 100

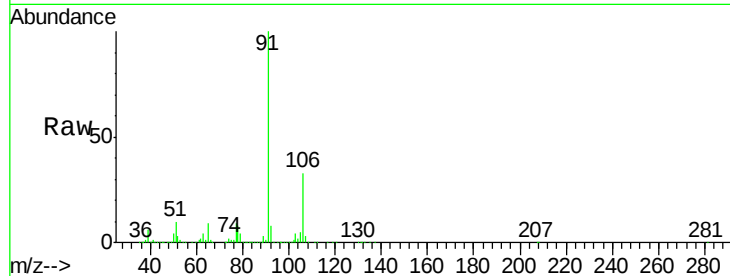
106 32.6 24.7 37.1

Manual Integrations

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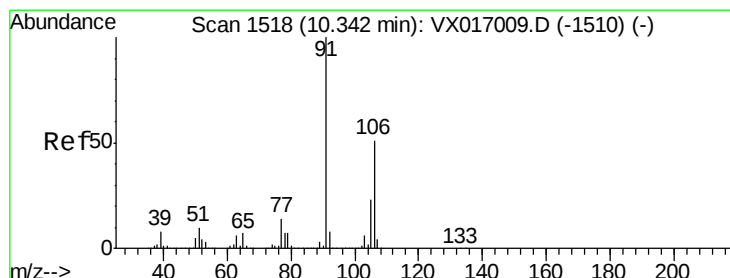
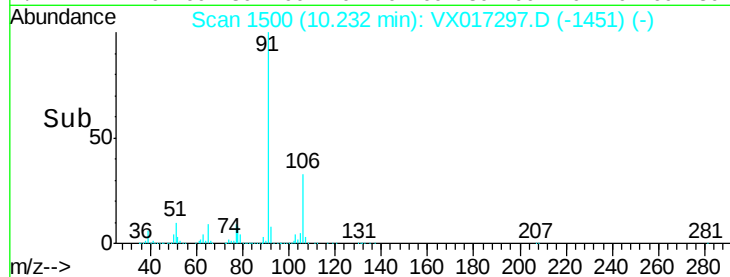
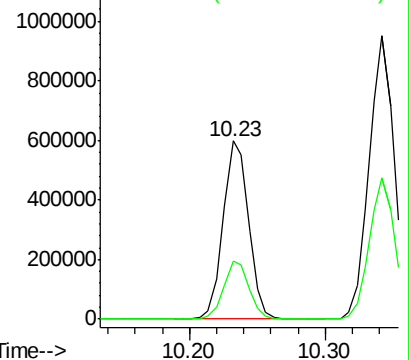
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 112.859 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017297.D

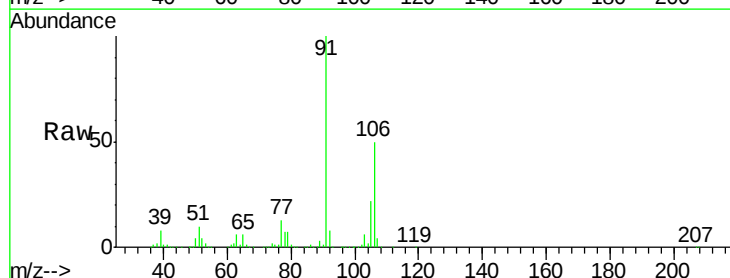
Acq: 09 Jul 2020 09:45

Tgt Ion: 106 Resp: 614853

Ion Ratio Lower Upper

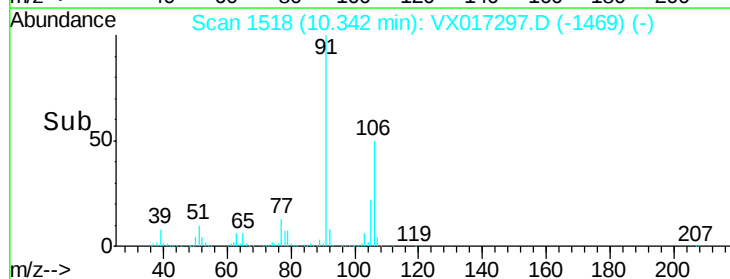
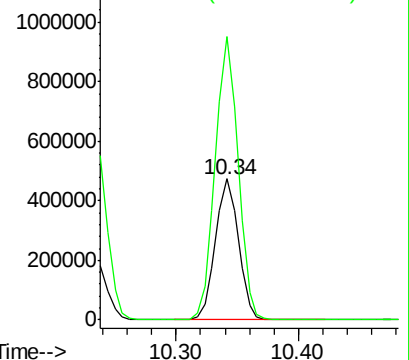
106 100

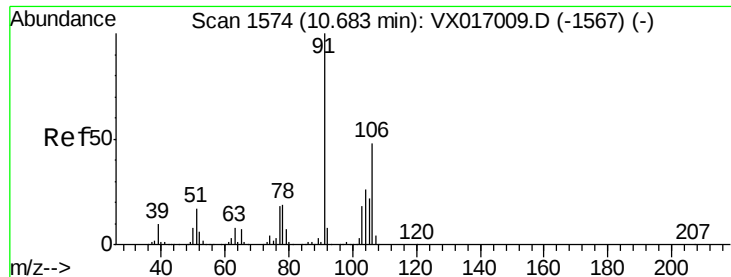
91 199.9 158.6 238.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





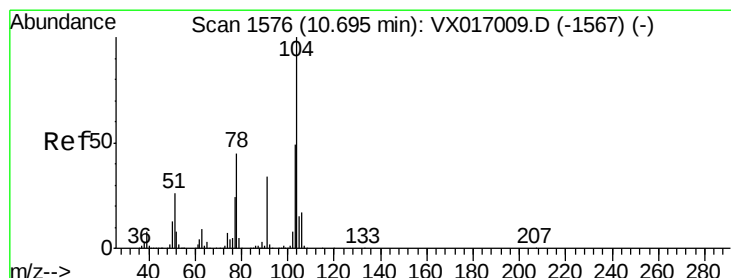
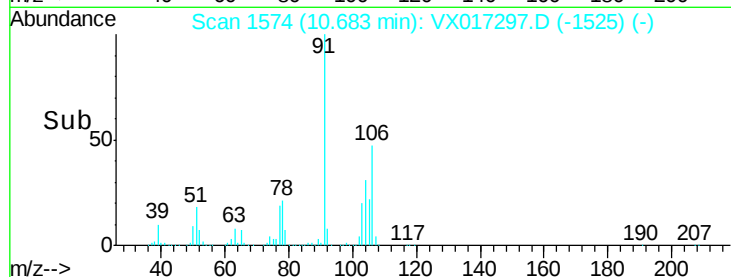
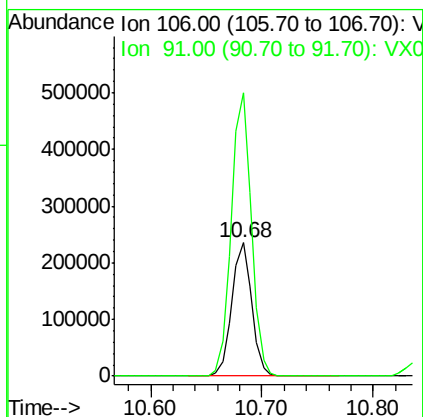
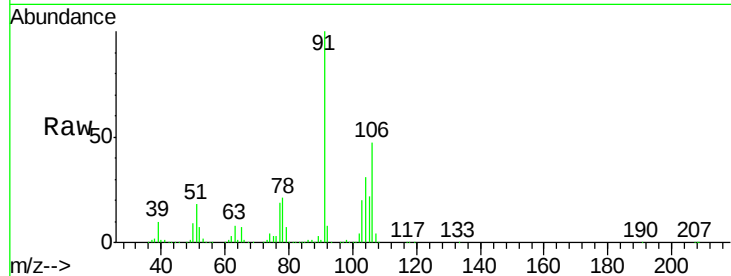
#69
o-Xylene
Concen: 56.049 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	105.6	316.7

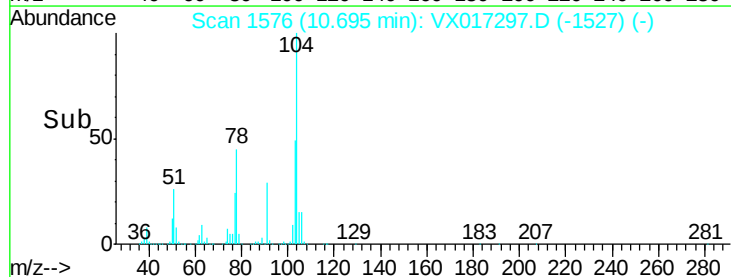
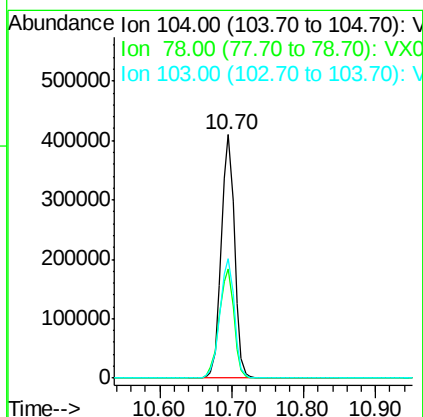
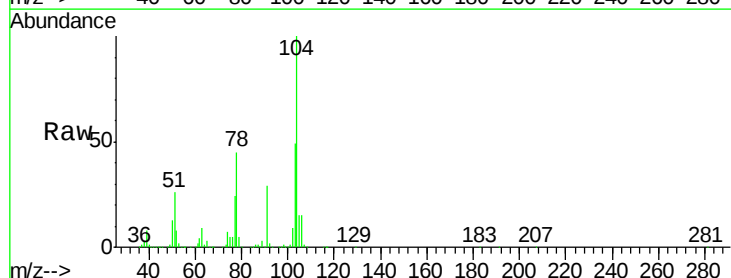
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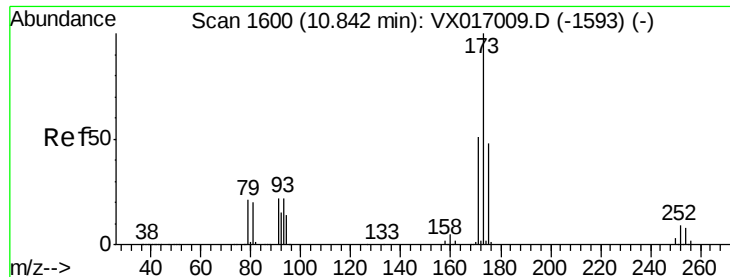
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#70
Styrene
Concen: 59.228 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.5	59.3
103	53.3	43.0	64.6





#71

Bromoform

Concen: 59.260 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 153870

Ion Ratio Lower Upper

173 100

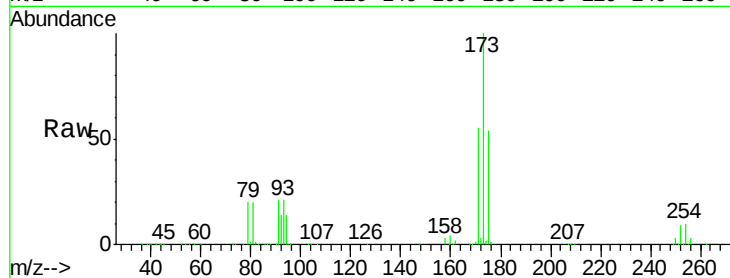
175 49.4 24.5 73.5

254 0.1 0.1 0.1#

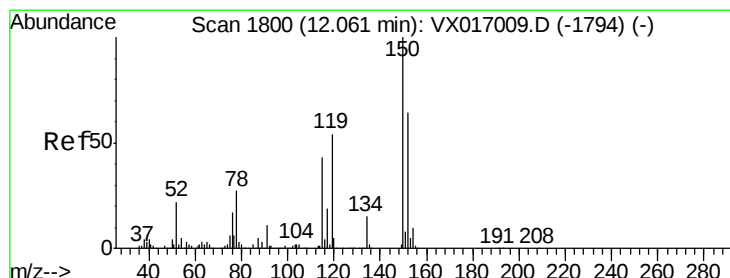
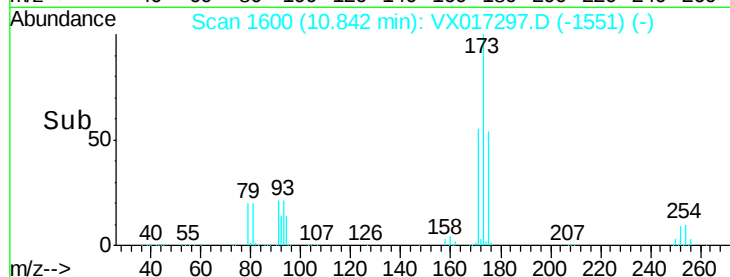
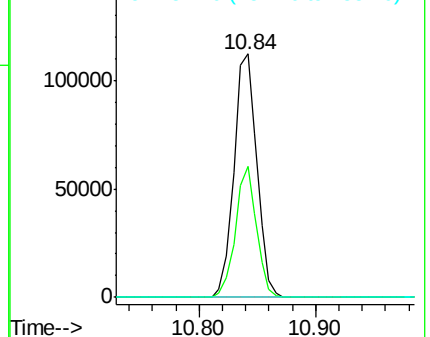
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

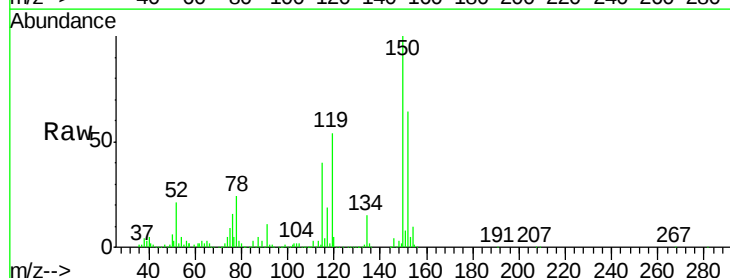
Tgt Ion:152 Resp: 218053

Ion Ratio Lower Upper

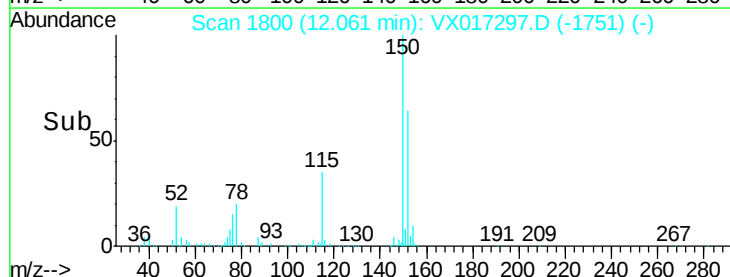
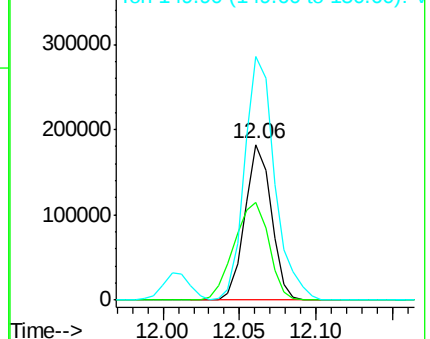
152 100

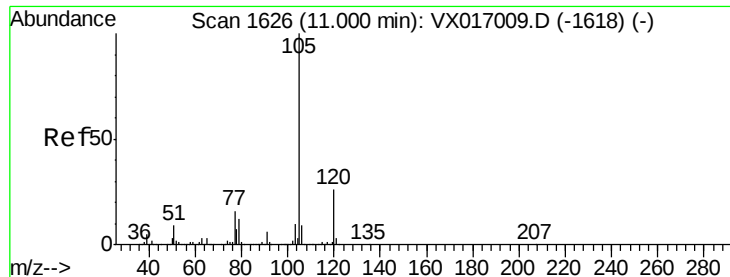
115 83.0 40.9 122.7

150 179.2 0.0 351.6



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





#73

Isopropylbenzene

Concen: 55.871 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 797986

Ion Ratio Lower Upper

105 100

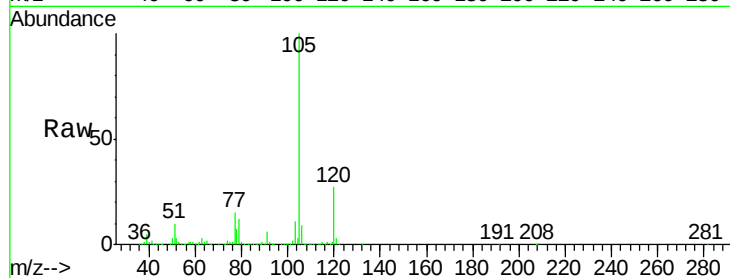
120 27.0 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

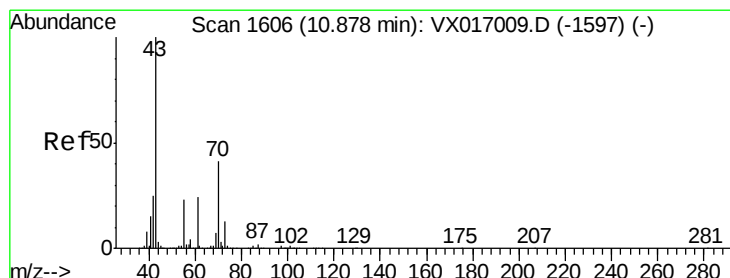
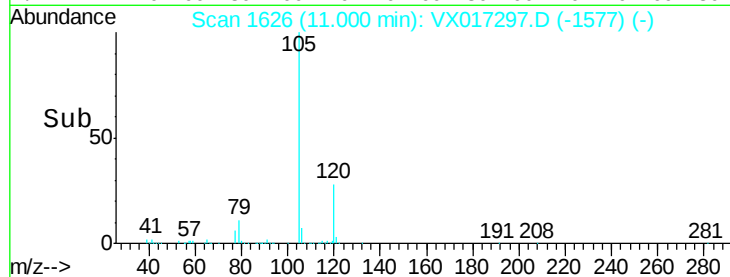
600000

400000

200000

0

Time--> 10.90 11.00



#74

N-ethyl acetate

Concen: 53.165 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion: 43 Resp: 324005

Ion Ratio Lower Upper

43 100

70 43.4 34.2 51.2

55 25.1 19.2 28.8

61 24.6 19.6 29.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

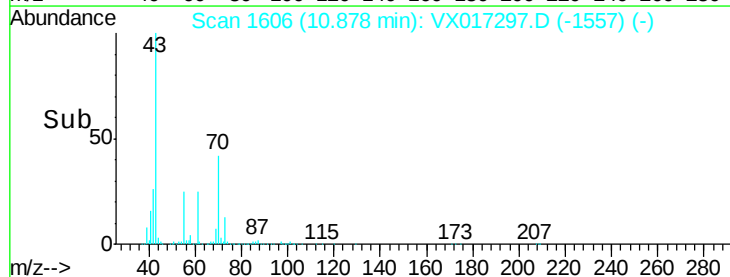
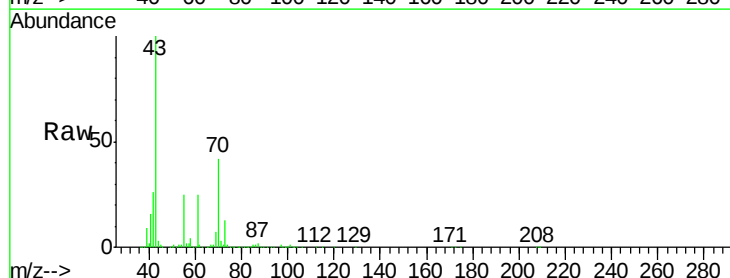
300000

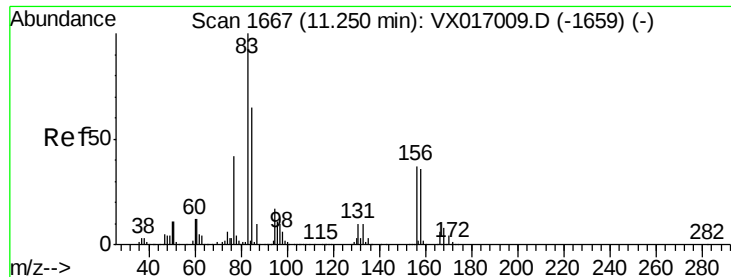
200000

100000

0

Time--> 10.80 10.85 10.90 10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 50.793 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 228198

Ion Ratio Lower Upper

83 100

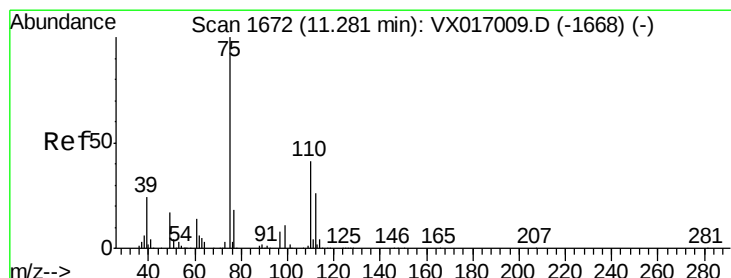
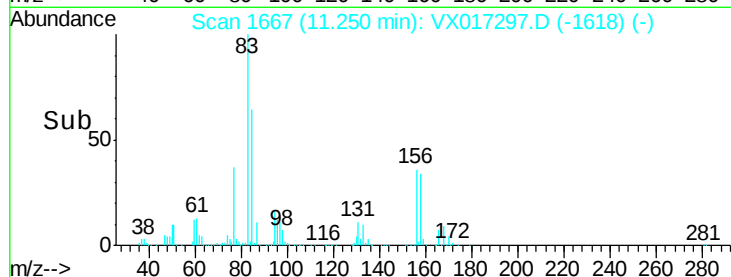
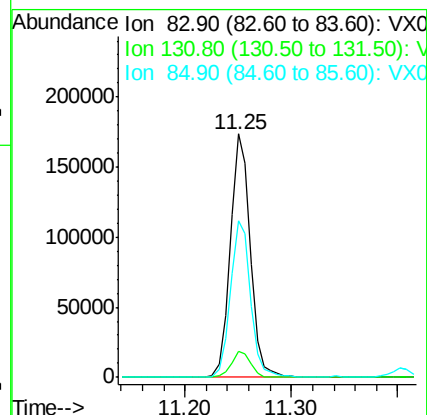
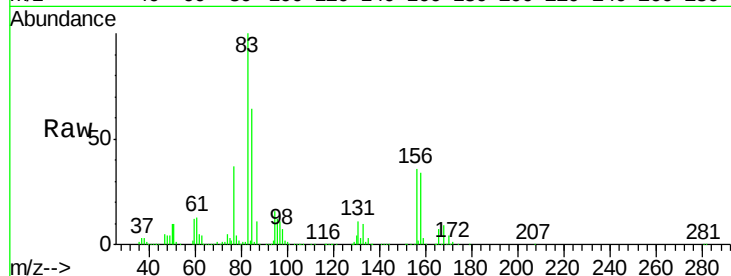
131 10.6 5.4 16.2

85 64.9 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.429 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017297.D

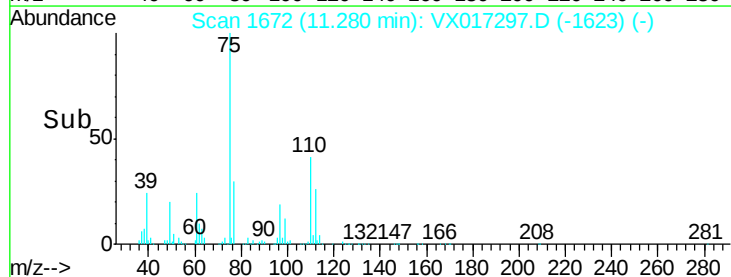
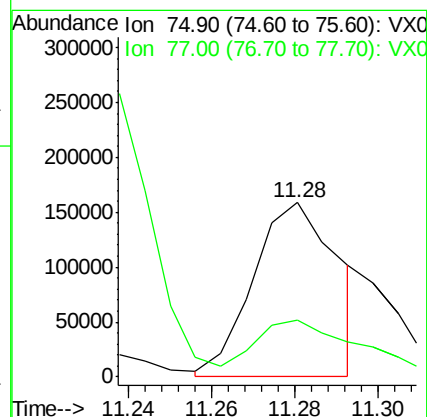
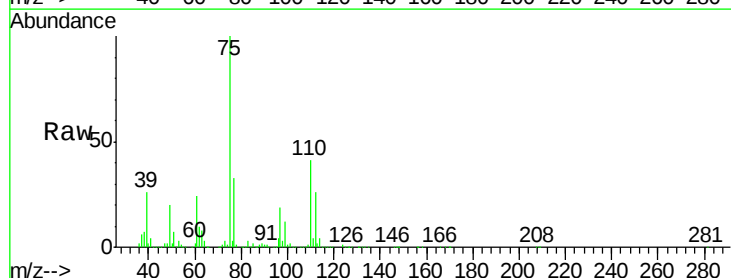
Acq: 09 Jul 2020 09:45

Tgt Ion: 75 Resp: 224809

Ion Ratio Lower Upper

75 100

77 40.4 20.2 60.6





#77

Bromobenzene

Concen: 54.474 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 213833

Ion Ratio Lower Upper

156 100

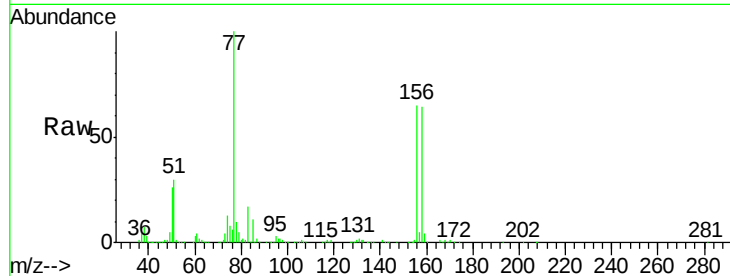
77 148.7 76.9 230.7

158 96.6 47.9 143.6

Manual Integrations
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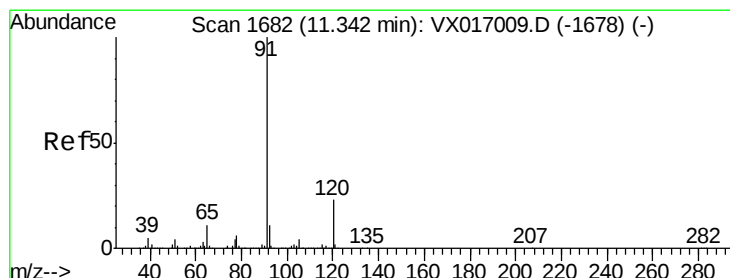
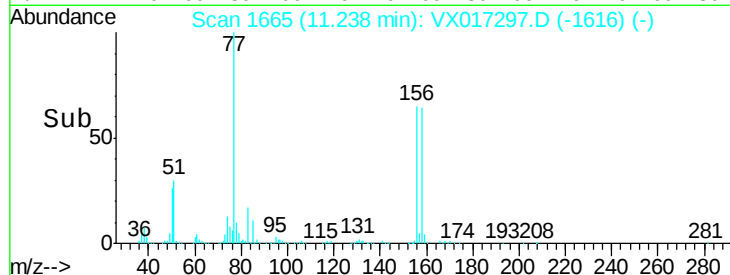
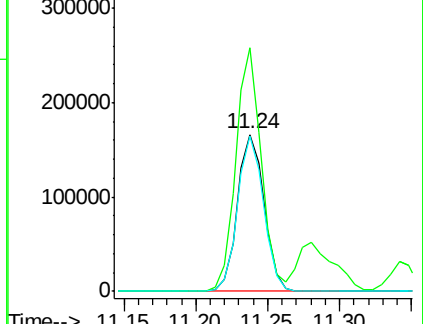
7/10/2020 12:36:30 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.896 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017297.D

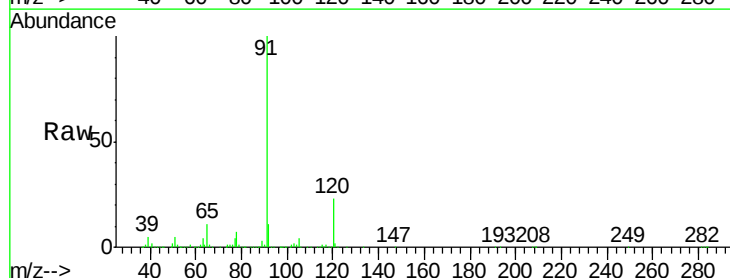
Acq: 09 Jul 2020 09:45

Tgt Ion: 91 Resp: 918953

Ion Ratio Lower Upper

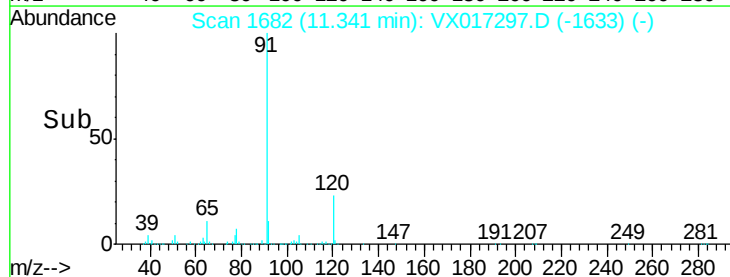
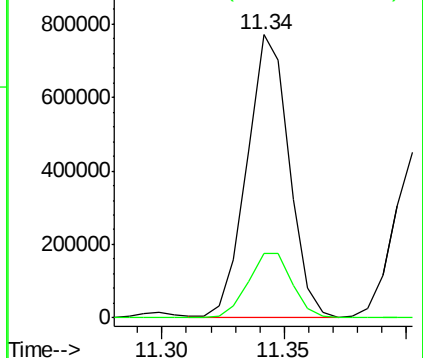
91 100

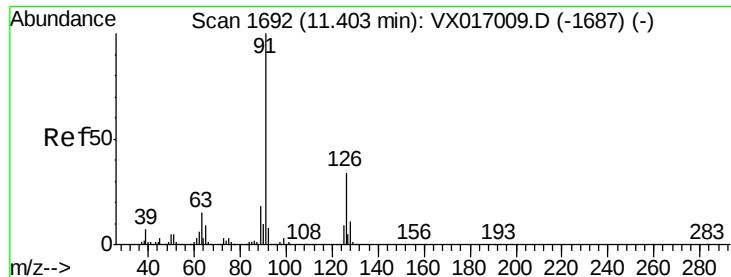
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.694 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 544412

Ion Ratio Lower Upper

91 100

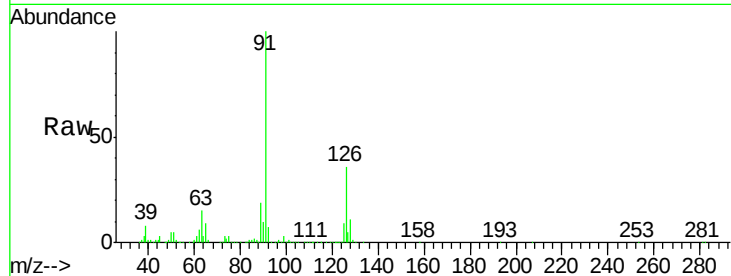
126 35.8 17.4 52.3

Manual Integrations

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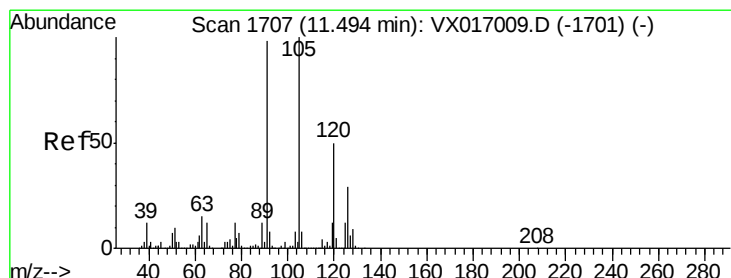
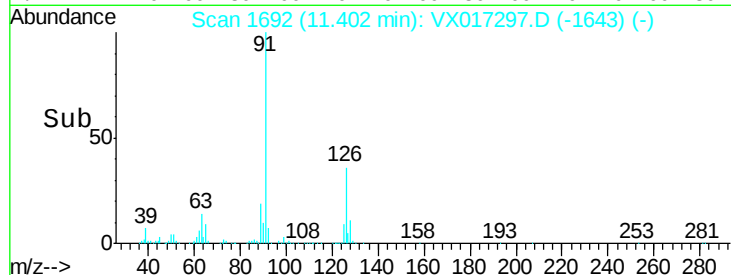
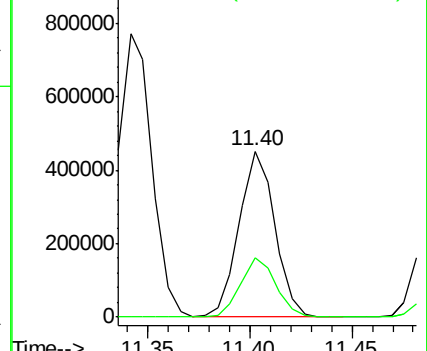
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.235 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017297.D

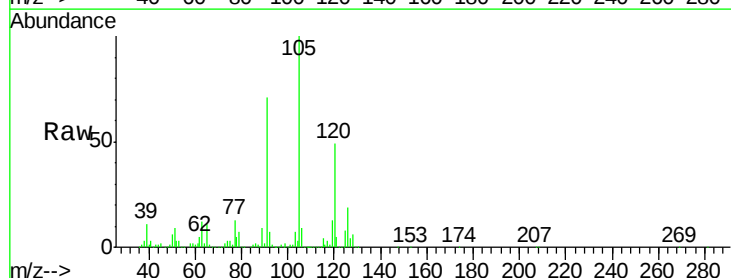
Acq: 09 Jul 2020 09:45

Tgt Ion:105 Resp: 678072

Ion Ratio Lower Upper

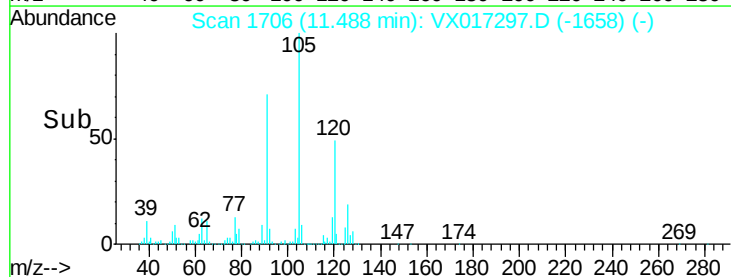
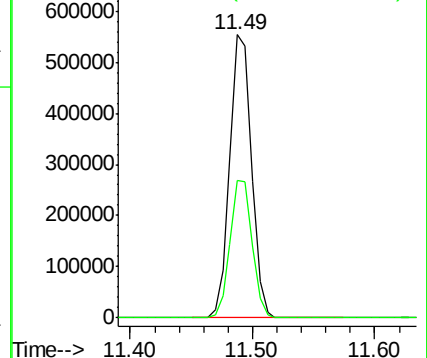
105 100

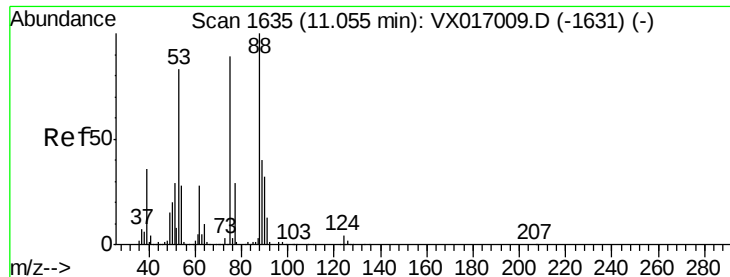
120 49.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





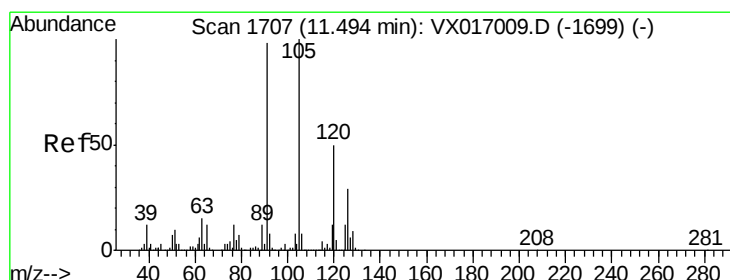
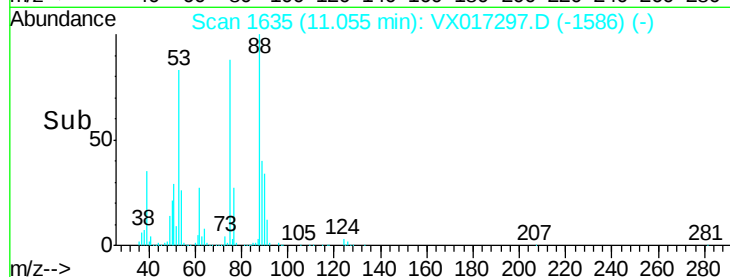
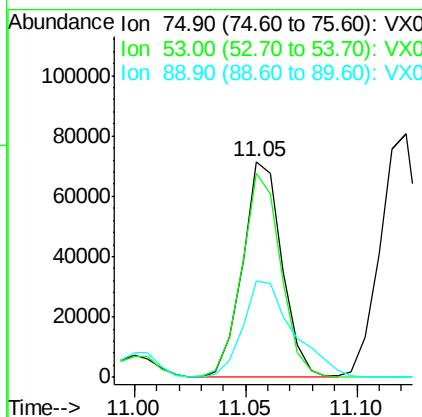
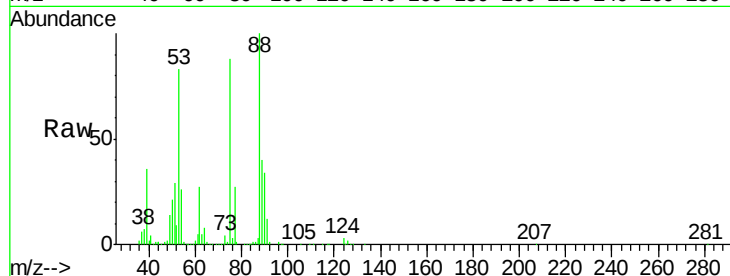
#81
trans-1,4-Dichloro-2-butene
Concen: 53.027 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	72.4	108.6
89	57.6	37.0	55.4#

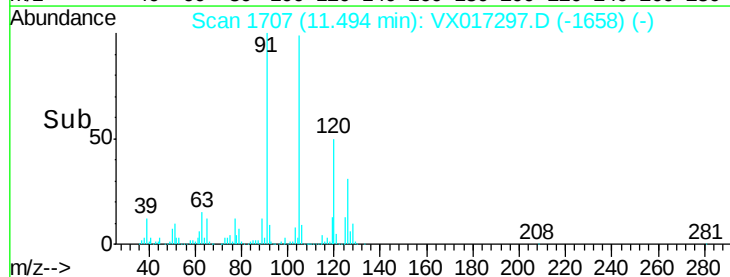
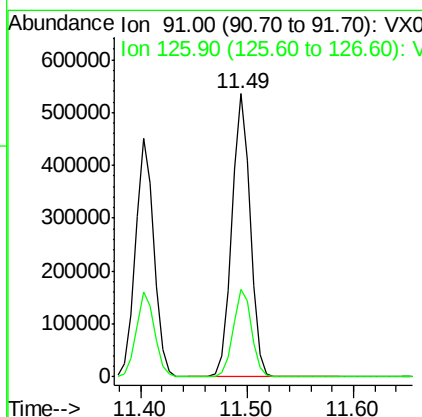
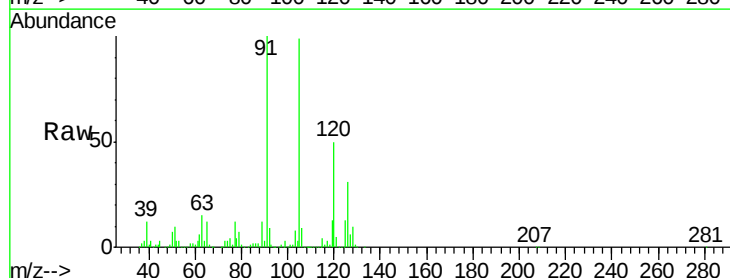
Manual Integrations
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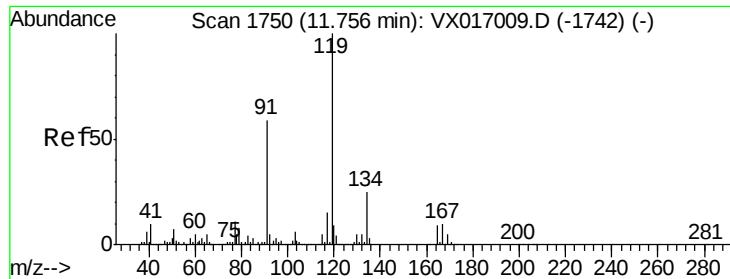
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#82
4-Chlorotoluene
Concen: 55.488 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.2	45.5





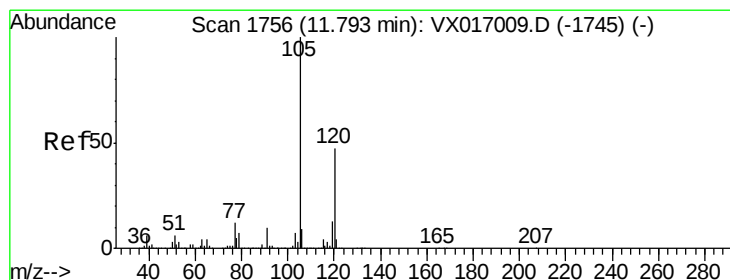
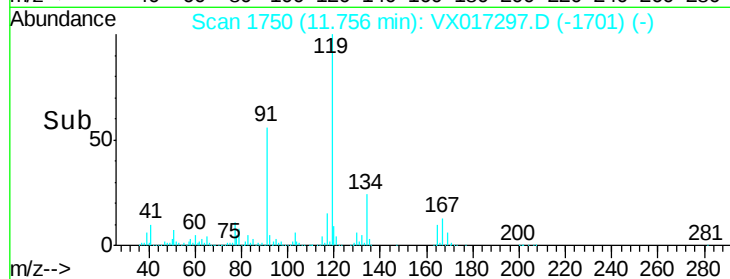
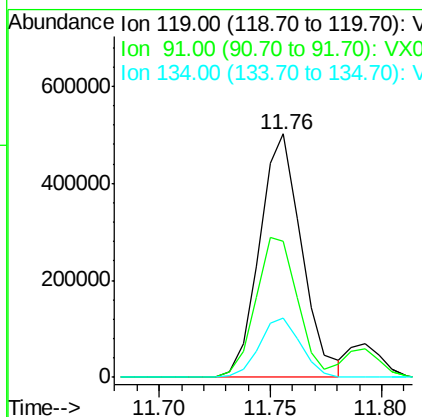
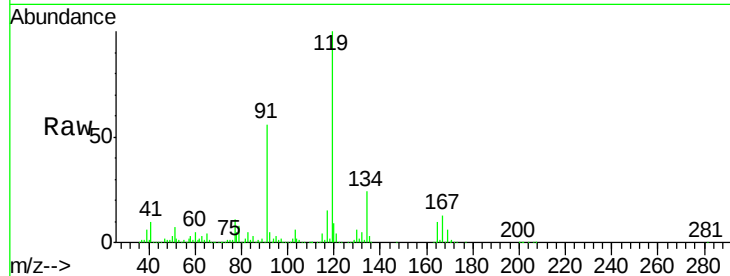
#83
tert-Butylbenzene
Concen: 56.760 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	660109		
91	57.1	28.3	84.9	
134	23.8	11.7	35.1	

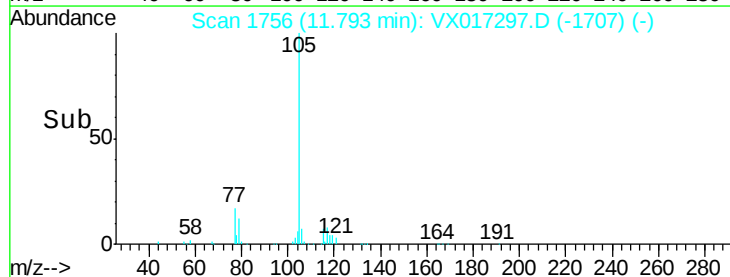
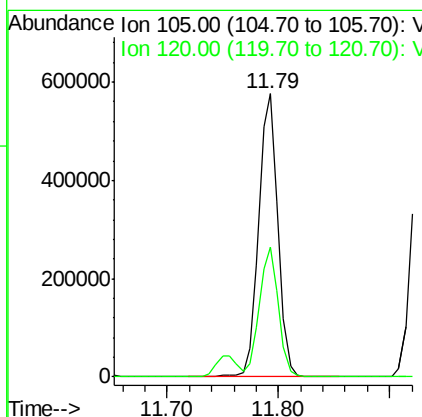
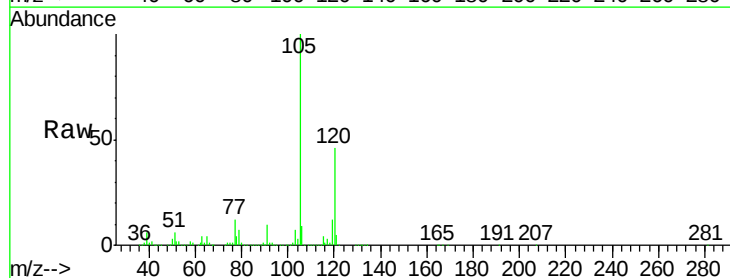
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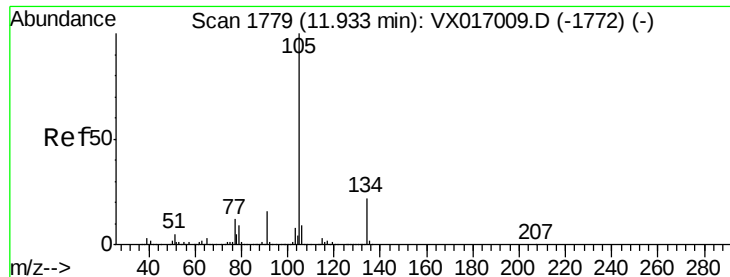
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#84
1,2,4-Trimethylbenzene
Concen: 57.799 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	694684		
120	45.4	22.9	68.5	





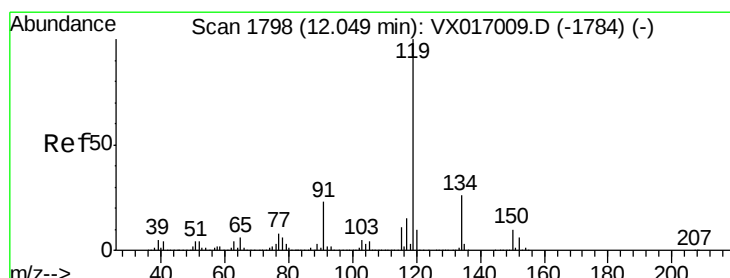
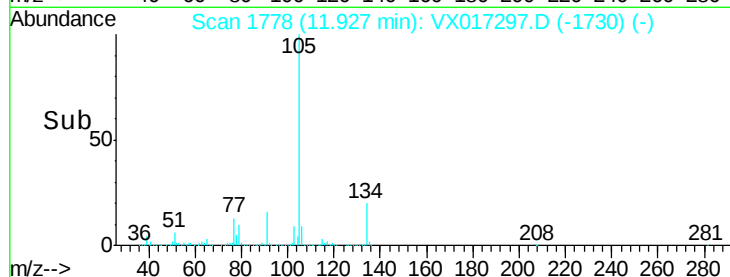
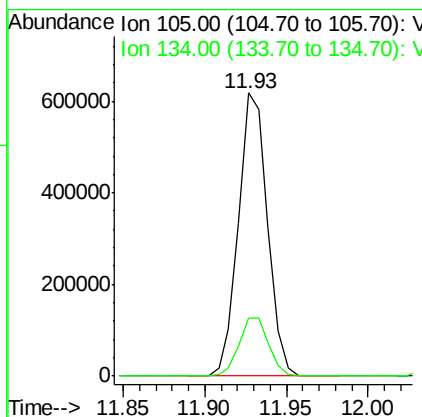
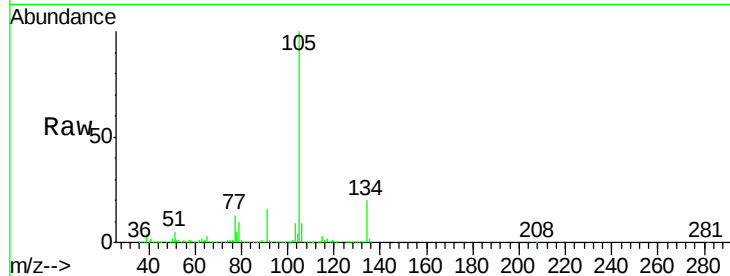
#85
 sec-Butylbenzene
 Concen: 56.091 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.6

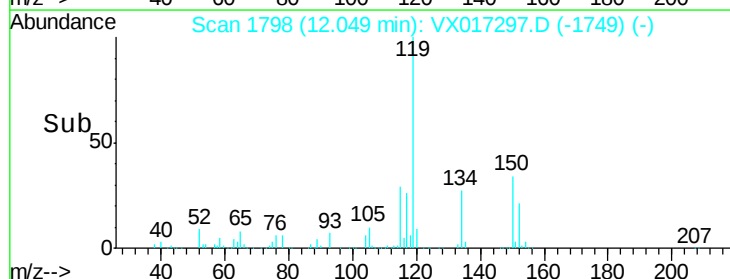
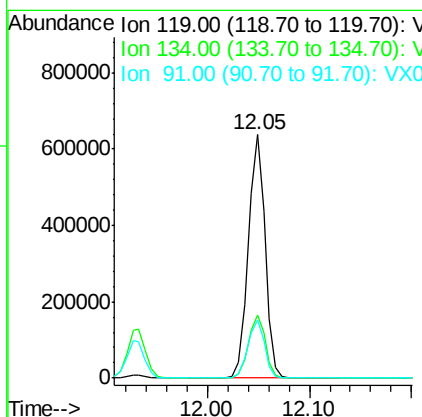
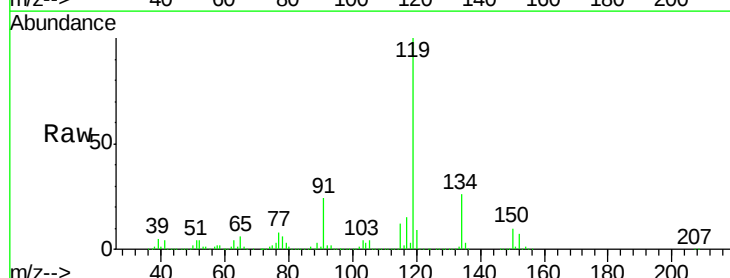
Manual Integrations
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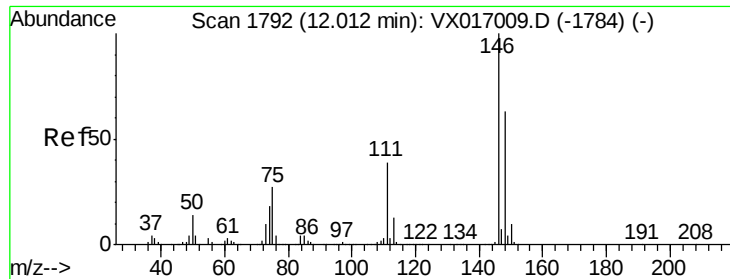
MMDadoda
 7/10/2020 12:36:30 PM



#86
 p-Isopropyltoluene
 Concen: 57.350 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	24.0	11.8	35.4





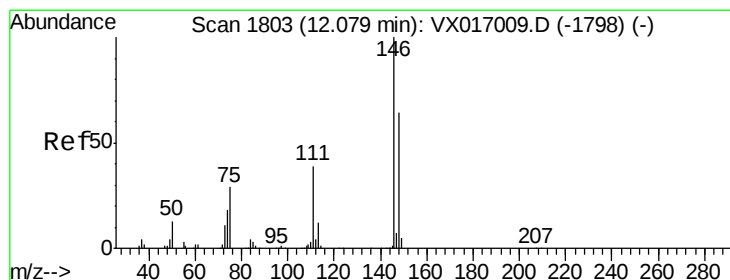
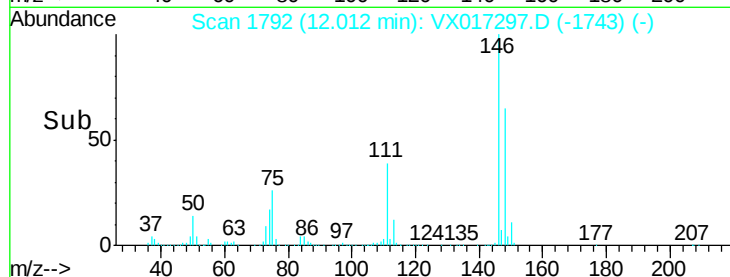
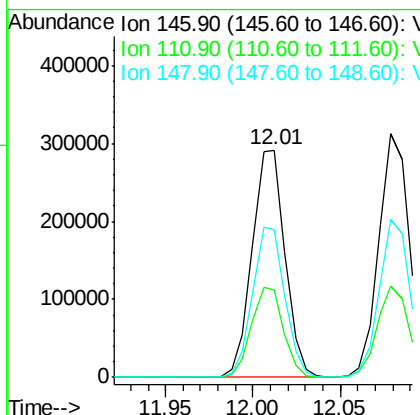
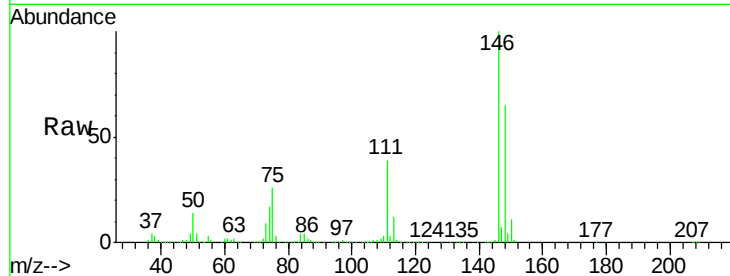
#87
 1,3-Dichlorobenzene
 Concen: 53.446 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.4	61.2
148	65.0	32.5	97.5

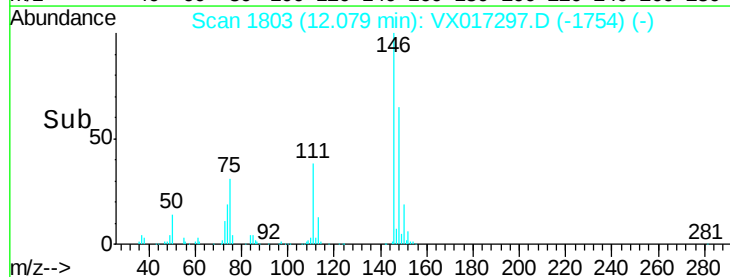
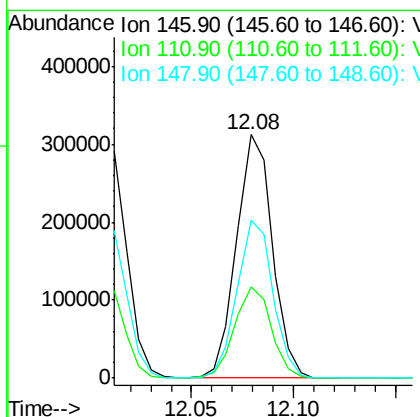
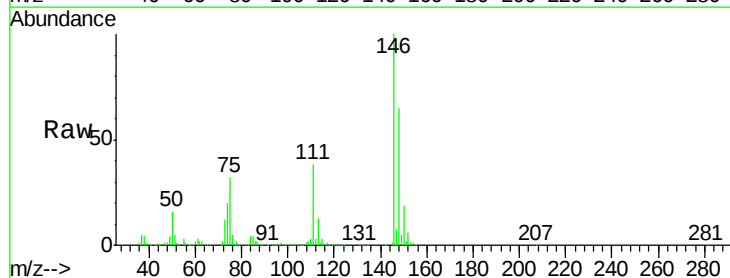
Manual Integrations
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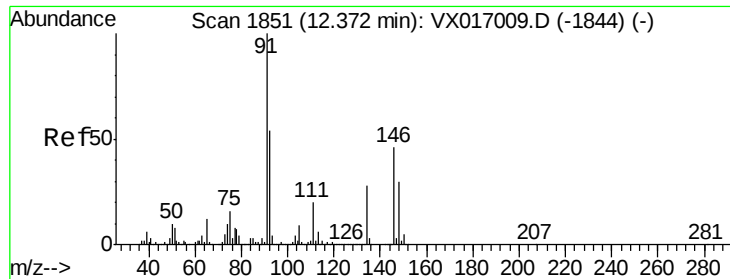
MMDadoda
 7/10/2020 12:36:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 56.756 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	65.1	31.9	95.7





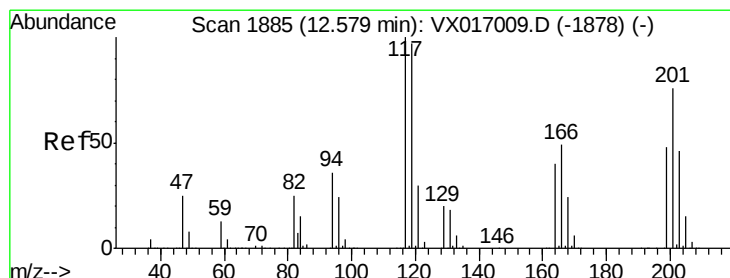
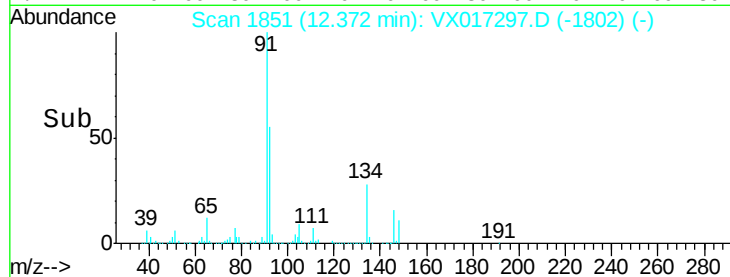
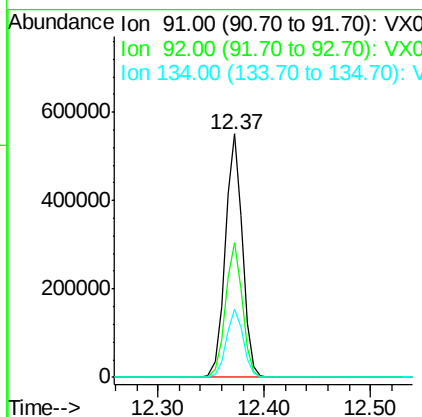
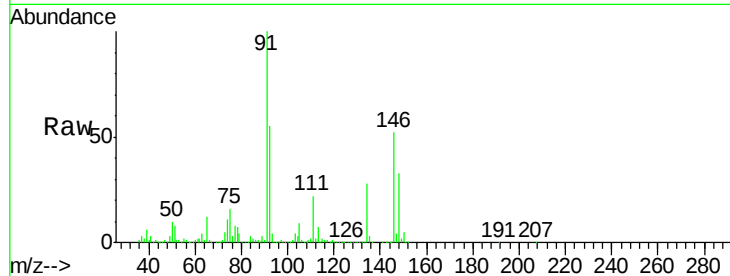
#89
n-Butylbenzene
Concen: 54.281 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.6
134	27.9	13.6	40.7

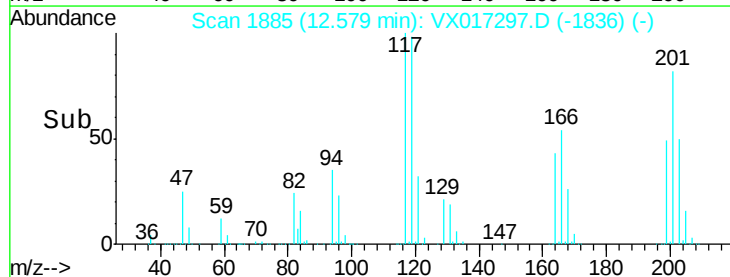
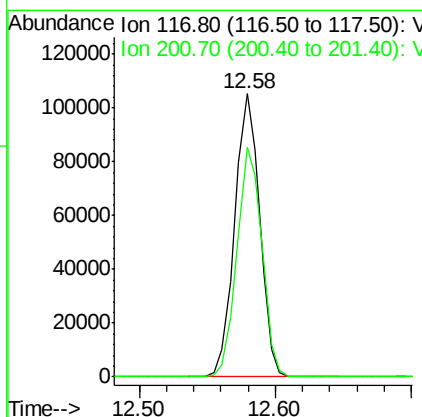
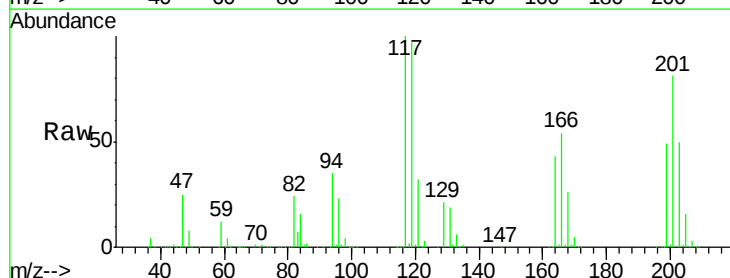
Manual Integrations
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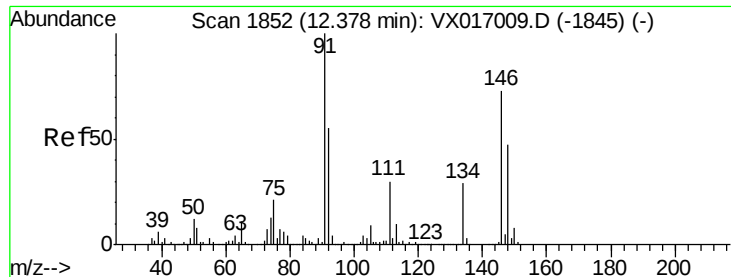
MMDadoda
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#90
Hexachloroethane
Concen: 53.556 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017297.D
Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	39.4	118.2





#91

1,2-Dichlorobenzene

Concen: 54.120 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

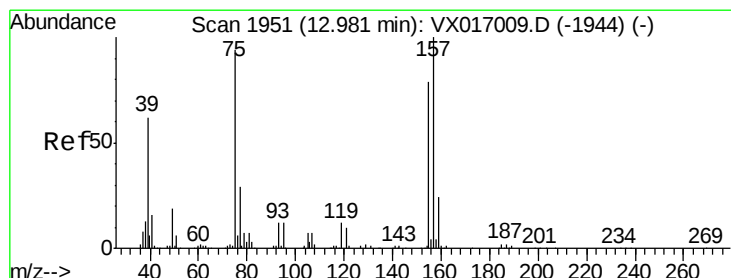
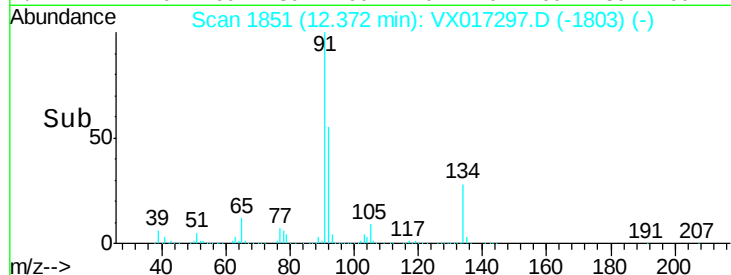
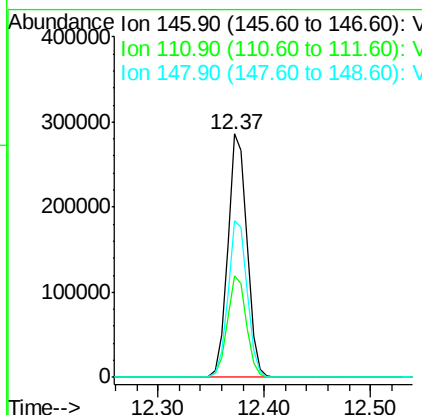
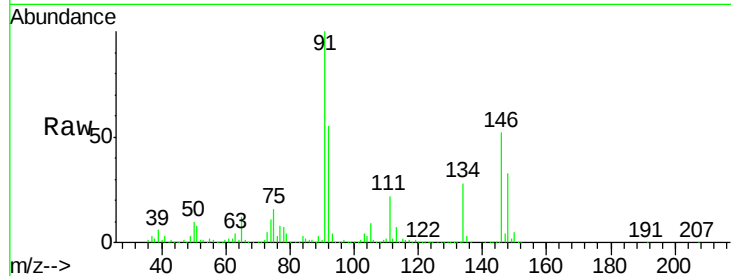
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	360659
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.6	61.9
148	64.6	32.4	97.2

Manual Integrations
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7/10/2020 12:36:30 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.586 ug/l

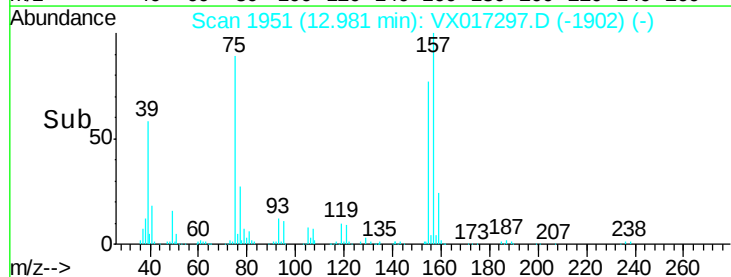
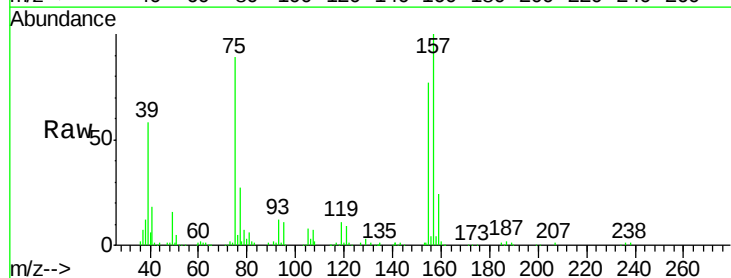
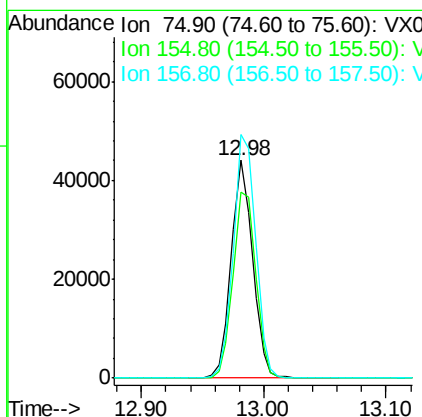
RT: 12.98 min Scan# 1951

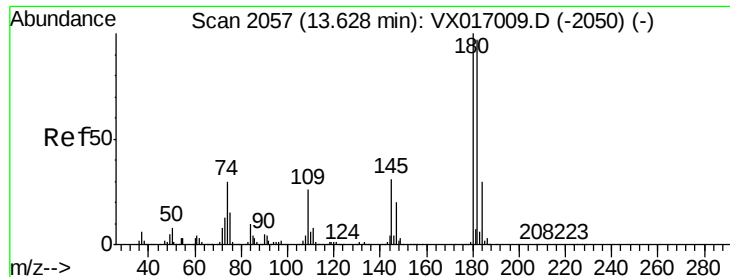
Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion:	75	Resp:	53144
Ion Ratio	Lower	Upper	
75	100		
155	91.0	45.1	135.2
157	116.1	56.5	169.3





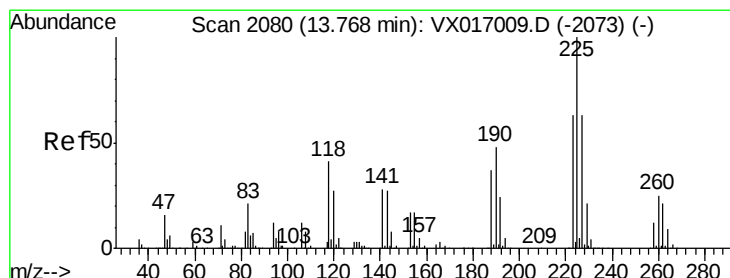
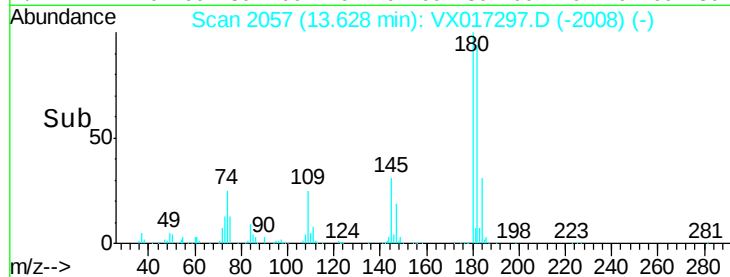
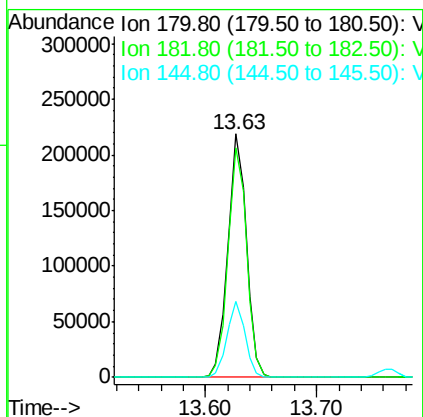
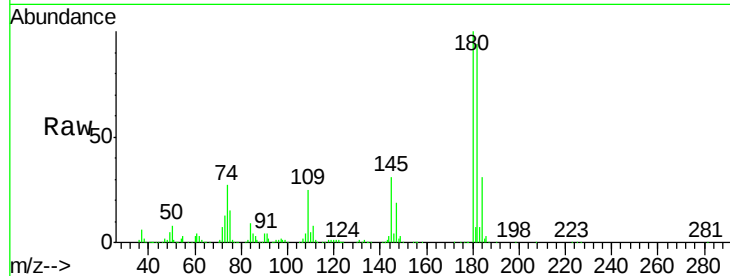
#93
 1,2,4-Trichlorobenzene
 Concen: 55.399 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	251984		
182	94.9	47.3	141.9	
145	30.5	15.4	46.2	

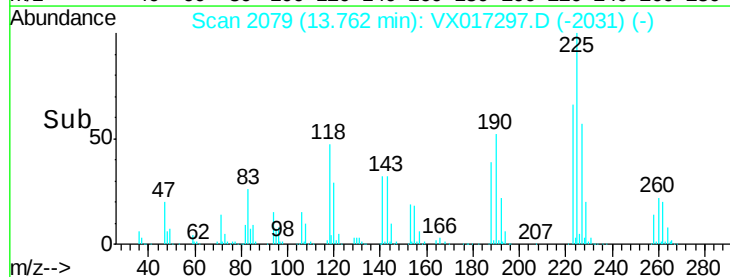
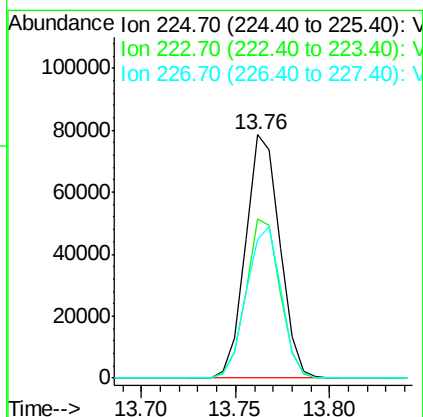
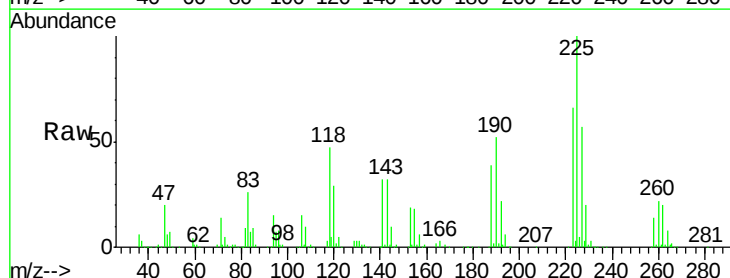
Manual Integrations
 APPROVED

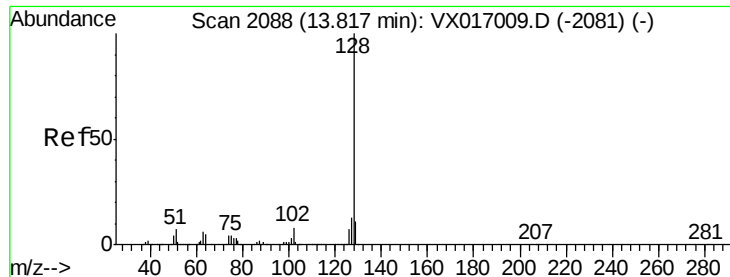
MMDadoda
 7/10/2020 12:36:30 PM



#94
 Hexachlorobutadiene
 Concen: 57.143 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017297.D
 Acq: 09 Jul 2020 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98855		
223	65.1	32.5	97.5	
227	63.0	33.1	99.2	





#95

Naphthalene

Concen: 55.464 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Instrument :

MSVOA_X

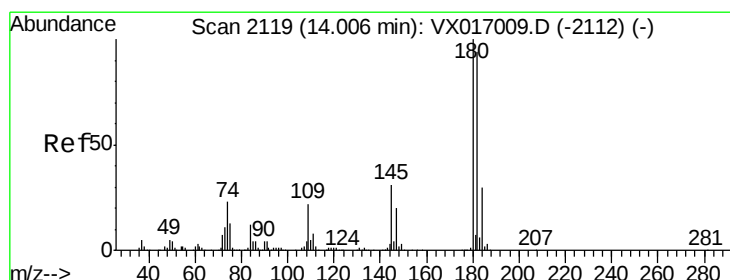
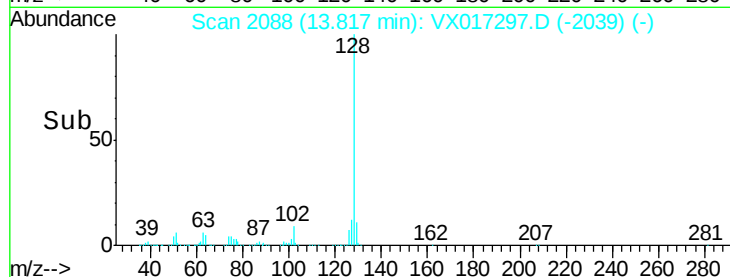
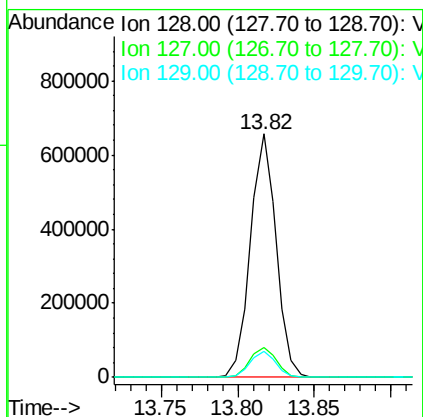
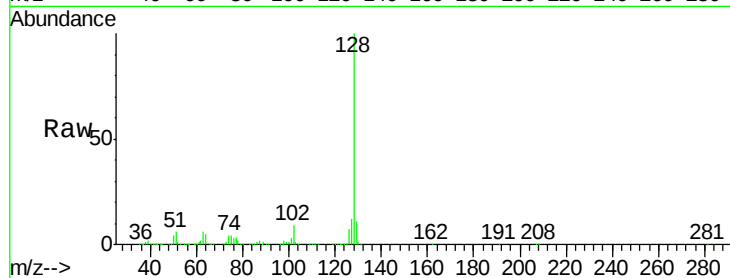
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	766978
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/10/2020 12:36:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 56.596 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX017297.D

Acq: 09 Jul 2020 09:45

Tgt Ion:	180	Resp:	249131
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.1	141.4
145	32.5	16.6	49.7

