

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102220\
 Data File : VX019041.D
 Acq On : 22 Oct 2020 20:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 12:05:00 PM

Quant Time: Oct 23 09:48:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	237147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	403286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	378256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	143289	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	5.47	113	124056	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	8.70	98	478556	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.12	95	173199	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	114926	48.653	ug/l	100
3) Chloromethane	1.31	50	110619	47.099	ug/l	99
4) Vinyl Chloride	1.39	62	138307	49.907	ug/l	99
5) Bromomethane	1.64	94	117418	46.198	ug/l	96
6) Chloroethane	1.71	64	95232	49.282	ug/l	97
7) Trichlorofluoromethane	1.92	101	231180	49.364	ug/l	99
8) Diethyl Ether	2.17	74	89448	48.778	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	107057	48.253	ug/l	99
10) Methyl Iodide	2.49	142	96701	32.730	ug/l	100
11) Tert butyl alcohol	3.03	59	141597	246.118	ug/l	100
12) 1,1-Dichloroethene	2.36	96	112742	48.844	ug/l	97
13) Acrolein	2.28	56	51183	236.692	ug/l	94
14) Allyl chloride	2.71	41	143109	47.926	ug/l	100
15) Acrylonitrile	3.12	53	273271	245.631	ug/l	100
16) Acetone	2.42	43	230844	238.585	ug/l	98
17) Carbon Disulfide	2.55	76	308046	46.274	ug/l	100
18) Methyl Acetate	2.75	43	120991	50.393	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	368419	50.388	ug/l	100
20) Methylene Chloride	2.84	84	132722	49.272	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	130753	48.546	ug/l	96
22) Diisopropyl ether	3.82	45	295569	50.197	ug/l	97
23) Vinyl Acetate	3.78	43	1412471	252.628	ug/l	99
24) 1,1-Dichloroethane	3.67	63	215199	50.185	ug/l	99
25) 2-Butanone	4.64	43	377489	246.916	ug/l	100
26) 2,2-Dichloropropane	4.55	77	173232	43.754	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	152910	50.024	ug/l	98
28) Bromochloromethane	4.98	49	92679	50.899	ug/l	97
29) Tetrahydrofuran	5.09	42	217196	237.692	ug/l	99
30) Chloroform	5.18	83	238128	51.150	ug/l	95
31) Cyclohexane	5.55	56	158499	47.647	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	212279	50.275	ug/l	99
36) 1,1-Dichloropropene	5.77	75	173168	47.854	ug/l	99
37) Ethyl Acetate	4.79	43	152314	49.315	ug/l	98
38) Carbon Tetrachloride	5.76	117	182117	47.948	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	182778	45.084	ug/l	100
40) Benzene	6.11	78	532001	49.918	ug/l	99
41) Methacrylonitrile	5.00	41	81770	49.286	ug/l	98
42) 1,2-Dichloroethane	6.16	62	181268	49.839	ug/l	100
43) Isopropyl Acetate	6.41	43	256492	49.034	ug/l	99
44) Trichloroethene	7.19	130	148764	47.865	ug/l	91
45) 1,2-Dichloropropane	7.49	63	126337	49.420	ug/l	96
46) Dibromomethane	7.63	93	94973	48.778	ug/l	100
47) Bromodichloromethane	7.87	83	189316	49.590	ug/l	98
48) Methyl methacrylate	7.74	41	122261	47.436	ug/l	99
49) 1,4-Dioxane	7.73	88	57036	979.420	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	770137	249.857	ug/l	100
52) Toluene	8.76	92	347350	49.346	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	210140	48.744	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	219713	48.262	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	142085	49.515	ug/l	98
56) Ethyl methacrylate	9.16	69	208741	50.562	ug/l	100
57) 1,3-Dichloropropane	9.35	76	229327	50.349	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	531054	244.871	ug/l	100
59) 2-Hexanone	9.48	43	577859	251.572	ug/l	100
60) Dibromochloromethane	9.57	129	152811	48.858	ug/l	96
61) 1,2-Dibromoethane	9.65	107	150916	49.154	ug/l	98
64) Tetrachloroethene	9.32	164	132221	45.912	ug/l	96
65) Chlorobenzene	10.12	112	379322	47.808	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	140633	49.854	ug/l	99
67) Ethyl Benzene	10.24	91	667537	48.809	ug/l	99
68) m/p-Xylenes	10.34	106	515198	98.339	ug/l	100
69) o-Xylene	10.68	106	247108	49.283	ug/l	99
70) Styrene	10.70	104	422182	49.593	ug/l	100
71) Bromoform	10.84	173	112523	49.413	ug/l #	100
73) Isopropylbenzene	11.00	105	655268	47.330	ug/l	99
74) N-amyl acetate	10.88	43	219578	49.501	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	209219	50.163	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	189054m	49.148	ug/l	
77) Bromobenzene	11.24	156	164474	47.040	ug/l	99
78) n-propylbenzene	11.34	91	741326	47.255	ug/l	100
79) 2-Chlorotoluene	11.40	91	437912	47.849	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	548343	47.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	67349	44.608	ug/l	97
82) 4-Chlorotoluene	11.49	91	521534	47.892	ug/l	99
83) tert-Butylbenzene	11.76	119	538892	47.848	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	551381	48.163	ug/l	99
85) sec-Butylbenzene	11.93	105	644456	47.286	ug/l	100
86) p-Isopropyltoluene	12.05	119	587454	47.174	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	306567	47.797	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	310739	47.209	ug/l	99
89) n-Butylbenzene	12.37	91	527508	46.278	ug/l	100
90) Hexachloroethane	12.58	117	94887	49.772	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	291305	48.712	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	44923	47.302	ug/l	98

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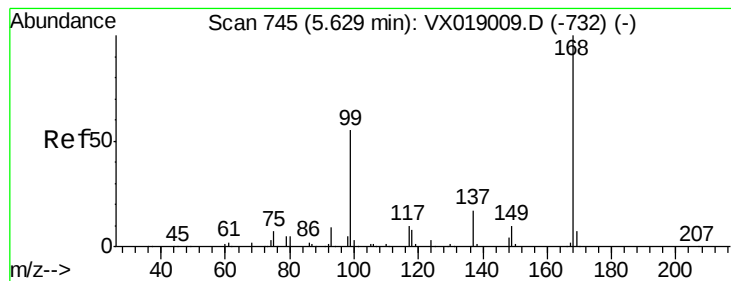
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	200344	45.792	ug/l	100
94) Hexachlorobutadiene	13.77	225	82641	40.743	ug/l	96
95) Naphthalene	13.82	128	672688	48.867	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	190405	44.710	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 237147

Ion Ratio Lower Upper

168 100

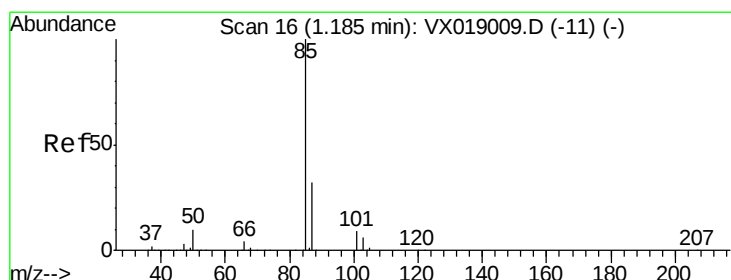
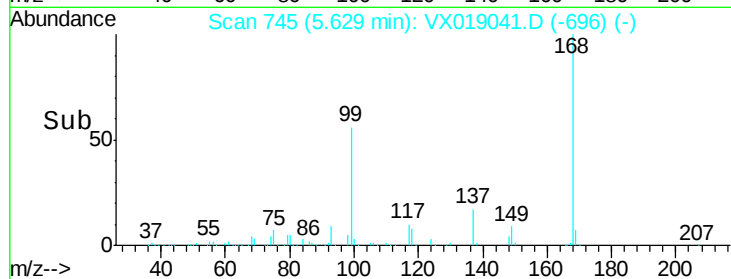
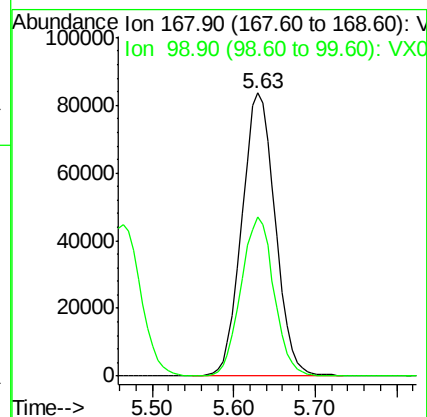
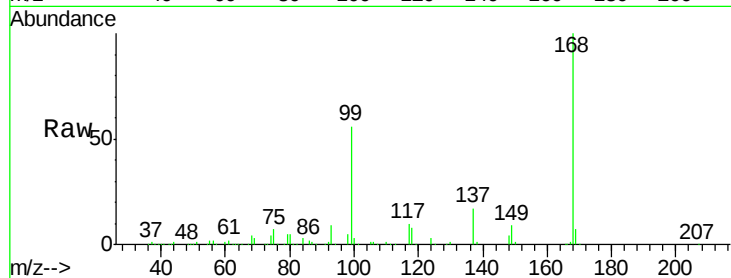
99 56.1 44.2 66.2

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#2

Dichlorodifluoromethane

Concen: 48.653 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019041.D

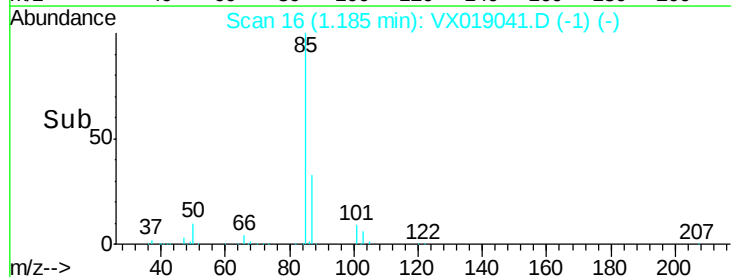
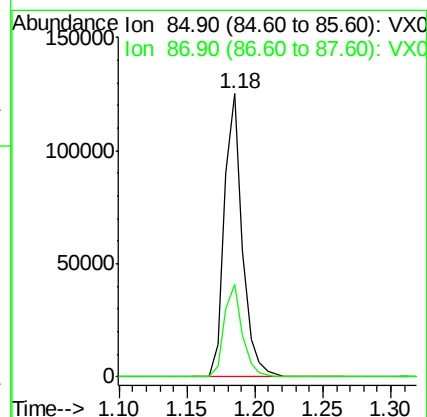
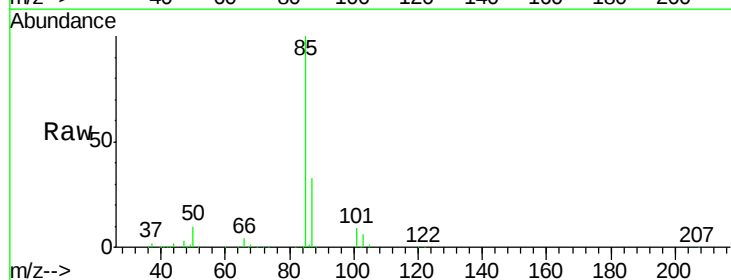
Acq: 22 Oct 2020 20:29

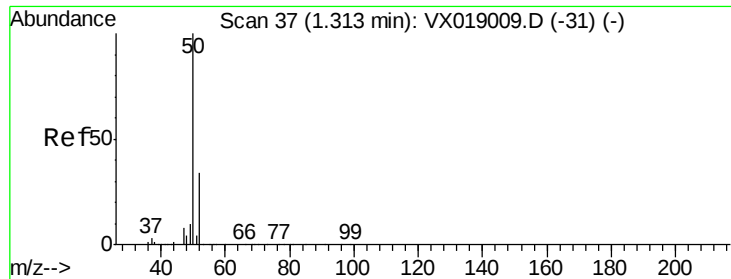
Tgt Ion: 85 Resp: 114926

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6





#3

Chloromethane

Concen: 47.099 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110619

Ion Ratio Lower Upper

50 100

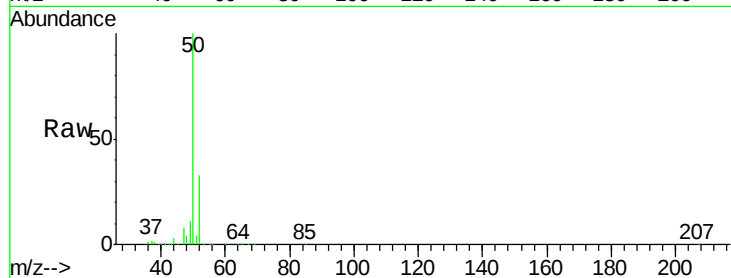
52 33.0 27.0 40.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

120000

100000

80000

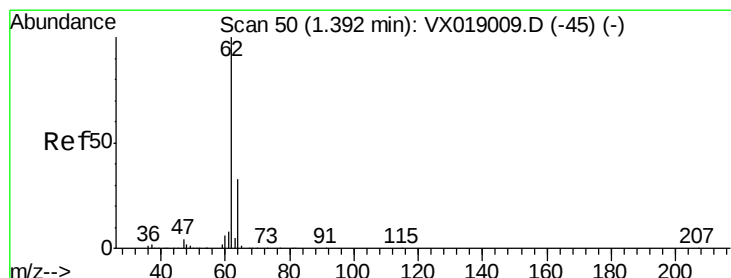
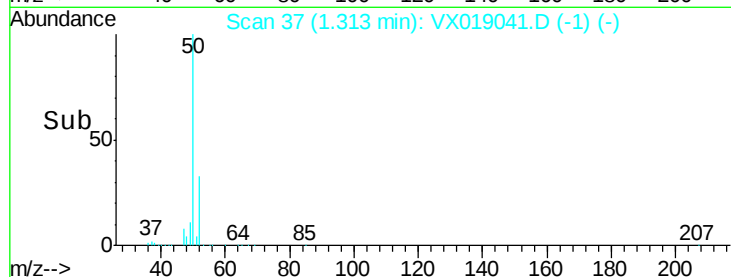
60000

40000

20000

0

Time--> 1.25 1.30 1.35



#4

Vinyl Chloride

Concen: 49.907 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019041.D

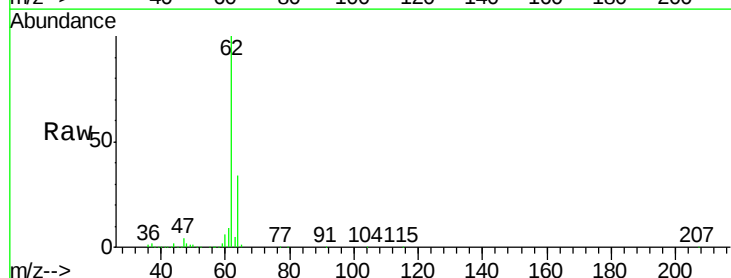
Acq: 22 Oct 2020 20:29

Tgt Ion: 62 Resp: 138307

Ion Ratio Lower Upper

62 100

64 33.5 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

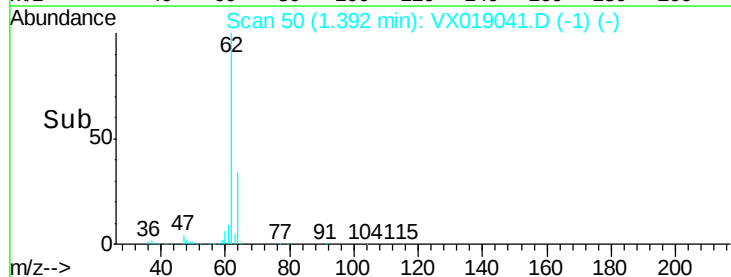
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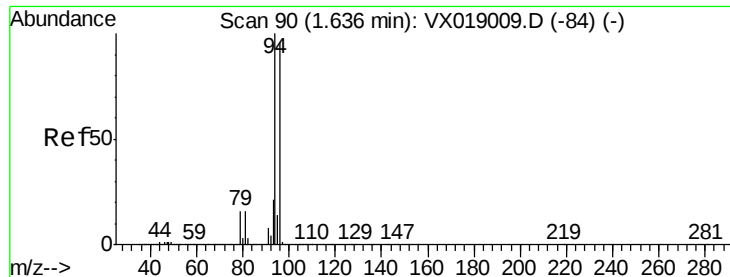
100000

50000

0

Time--> 1.30 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 46.198 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tot Ion: 94 Resp: 117418

Ion Ratio Lower Upper

94 100

96 92.5 77.1 115.7

Instrument :

MSVOA_X

ClientSampleId :

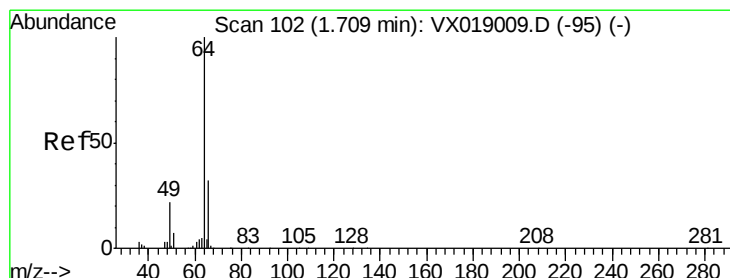
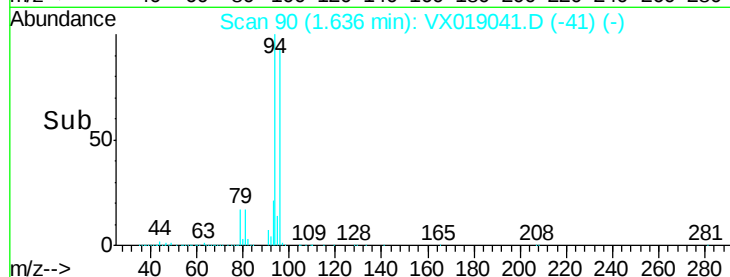
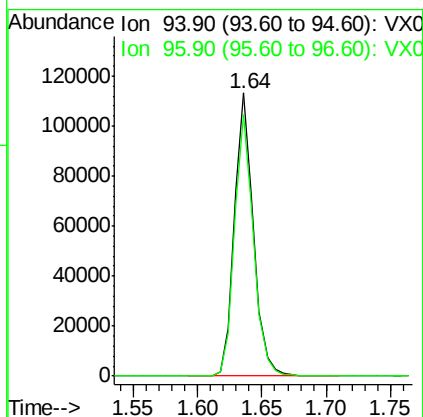
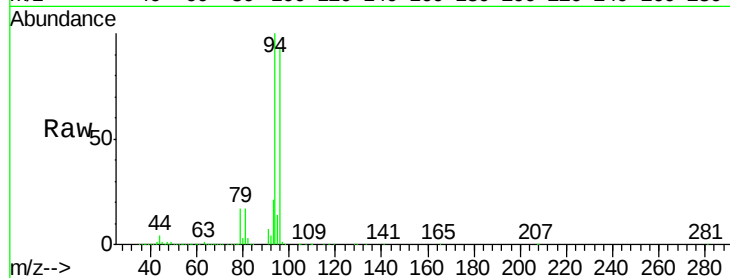
VSTDCCC050EC

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#6

Chloroethane

Concen: 49.282 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX019041.D

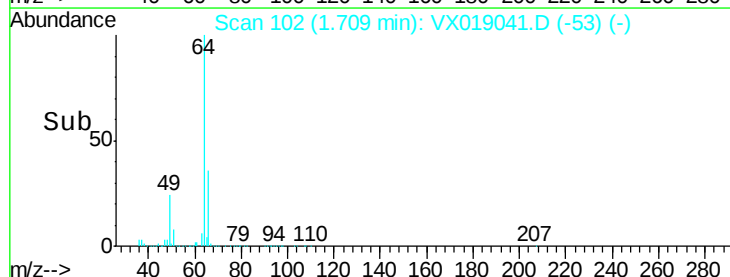
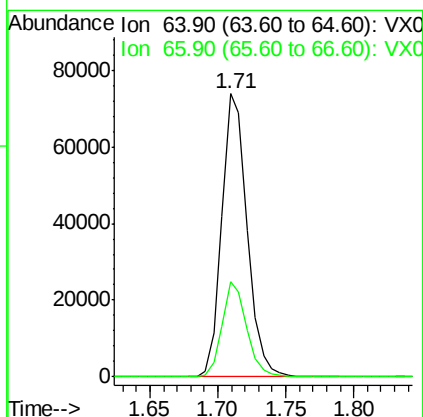
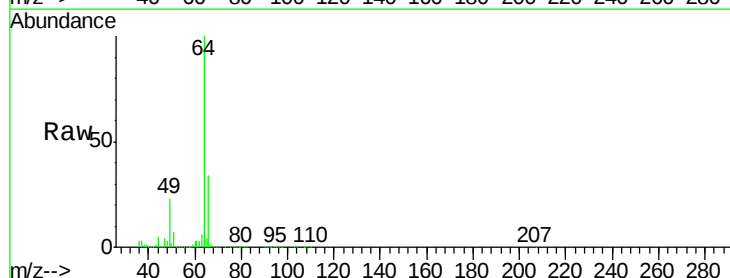
Acq: 22 Oct 2020 20:29

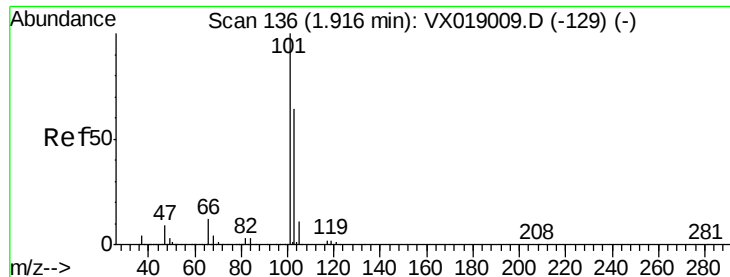
Tgt Ion: 64 Resp: 95232

Ion Ratio Lower Upper

64 100

66 33.7 25.7 38.5





#7

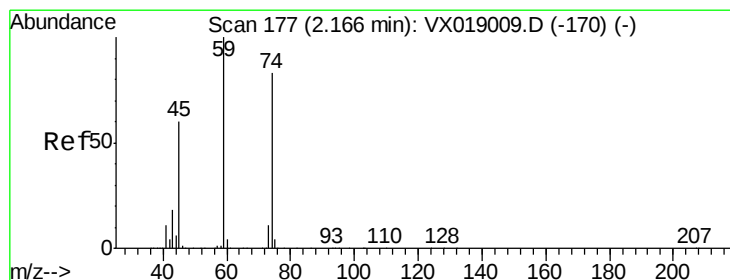
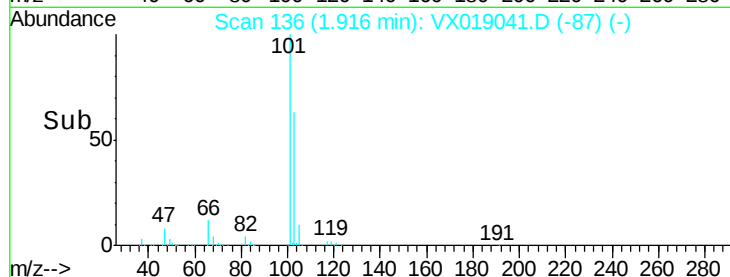
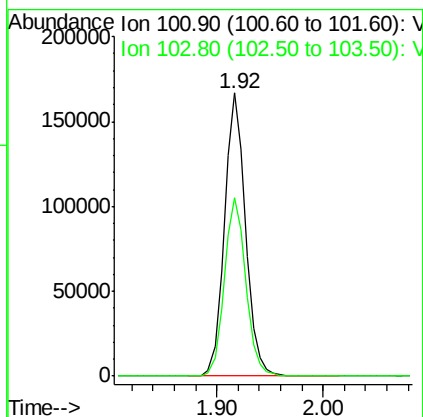
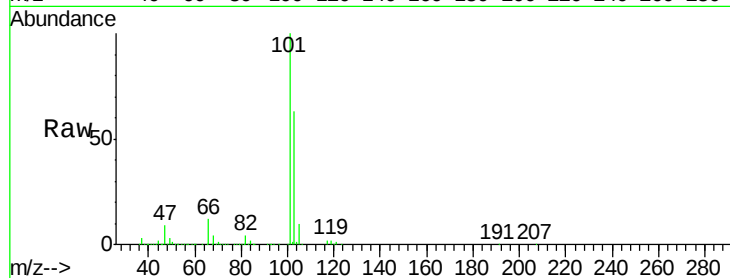
Trichlorofluoromethane
Concen: 49.364 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	231180		
103	63.1	51.2	76.8	

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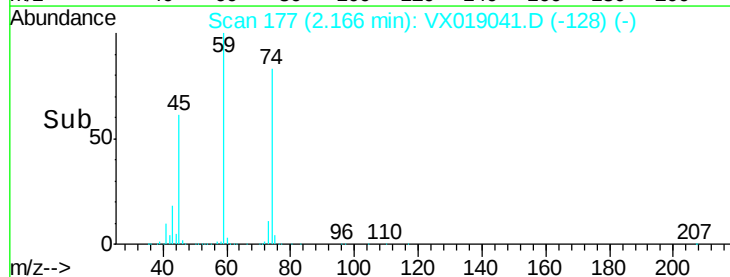
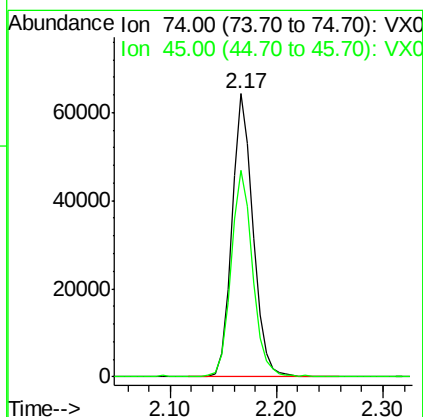
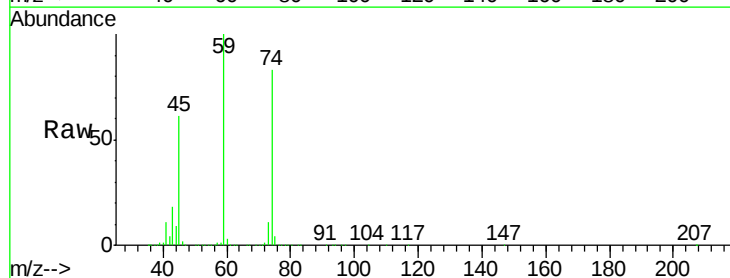
MMDadoda
10/23/2020 12:05:00 PM

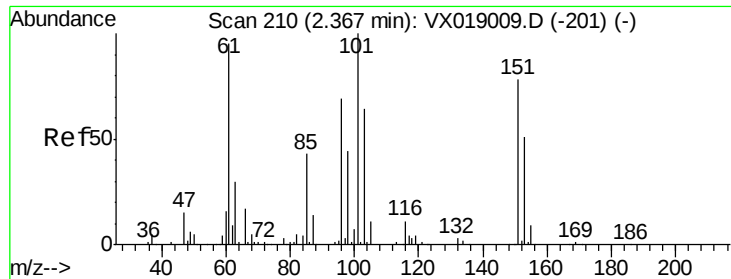


#8

Diethyl Ether
Concen: 48.778 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	89448		
45	74.0	36.8	110.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.253 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

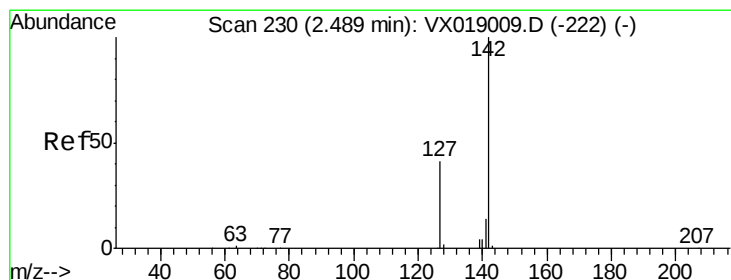
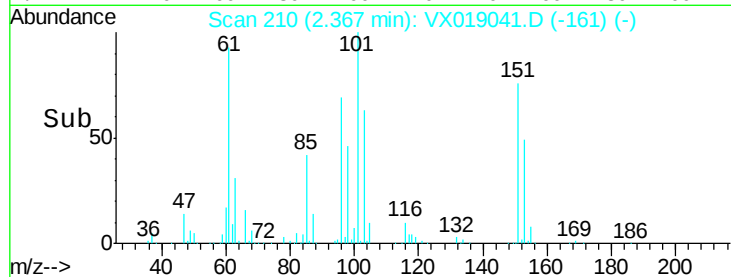
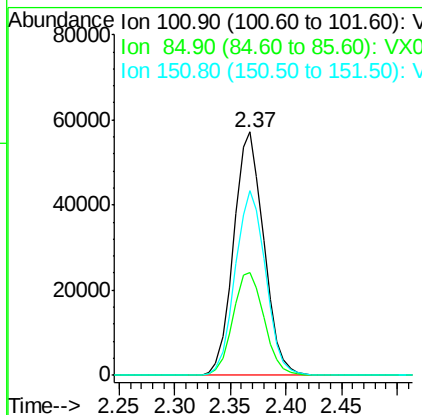
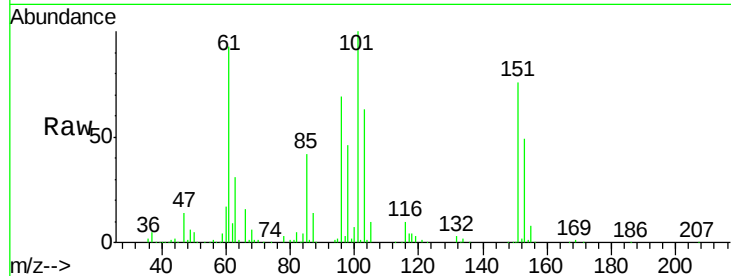
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	107057
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.2	52.8
151	76.6	62.4	93.6

Manual Integrations
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#10

Methyl Iodide

Concen: 32.730 ug/l

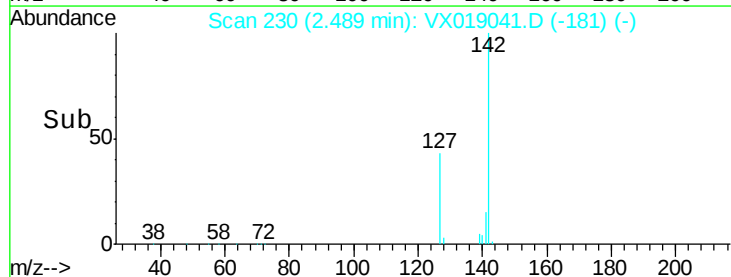
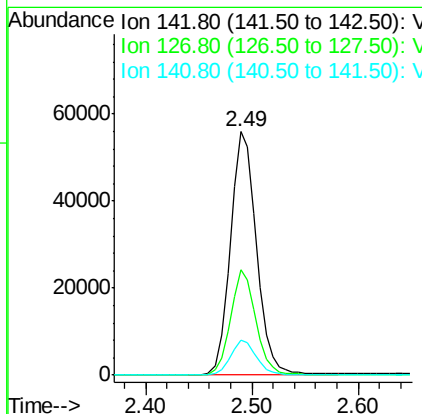
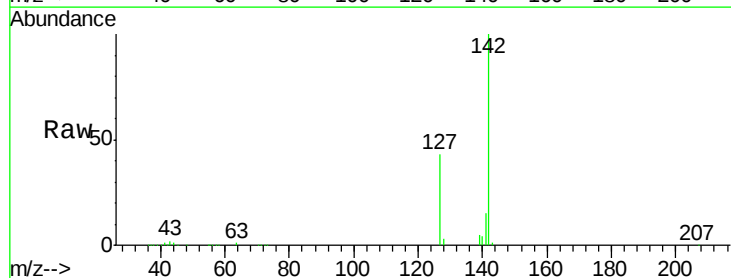
RT: 2.49 min Scan# 230

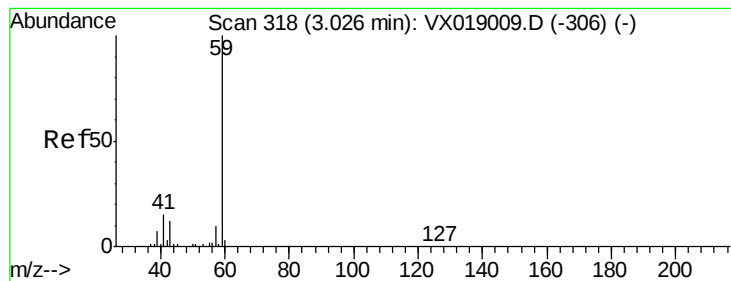
Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion:	142	Resp:	96701
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.6	50.4
141	14.0	11.2	16.8





#11

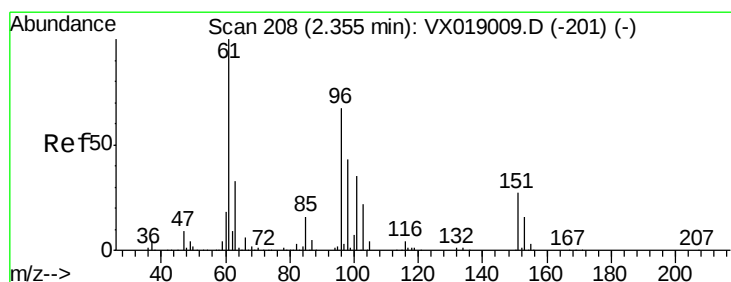
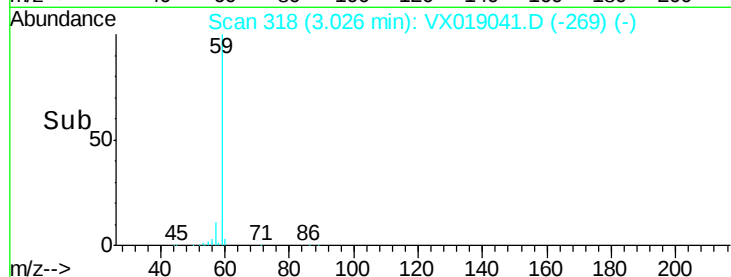
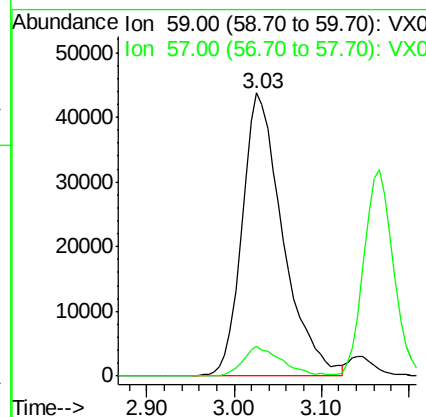
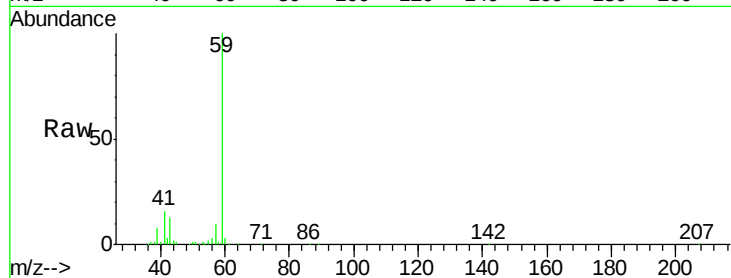
Tert butyl alcohol
Concen: 246.118 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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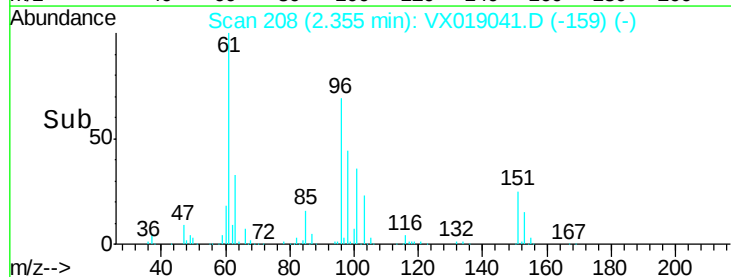
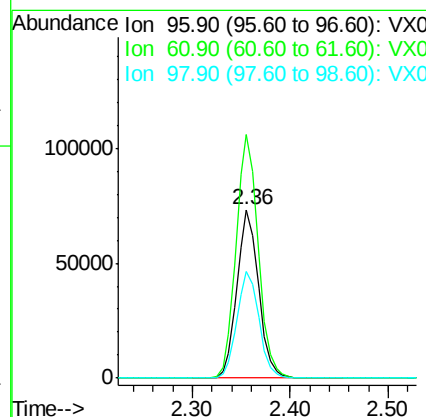
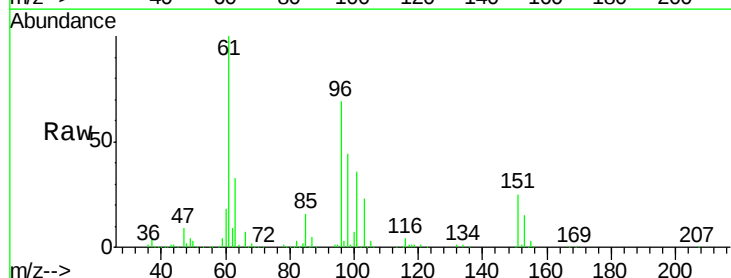
MMDadoda
10/23/2020 12:05:00 PM

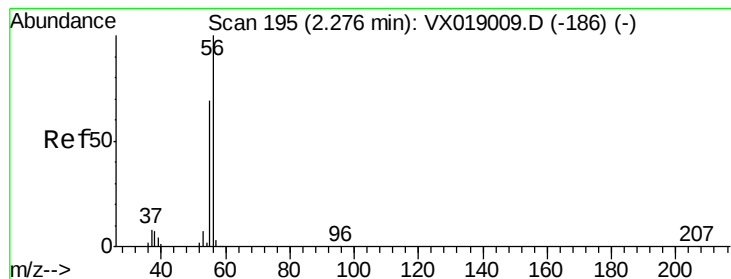


#12

1,1-Dichloroethene
Concen: 48.844 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.3	119.0	178.6
98	63.1	51.0	76.4





#13

Acrolein

Concen: 236.692 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 51183

Ion Ratio Lower Upper

56 100

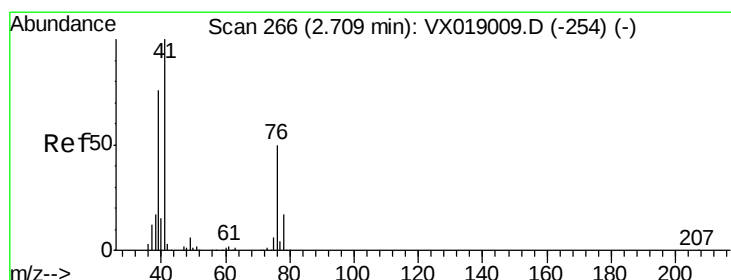
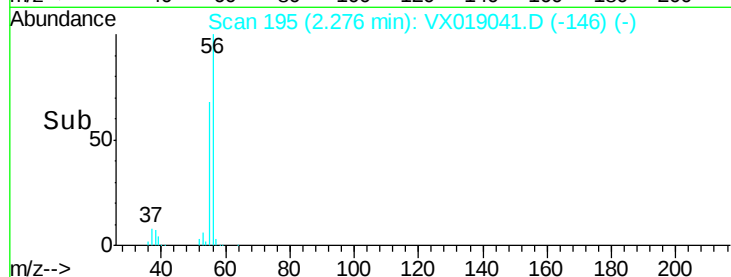
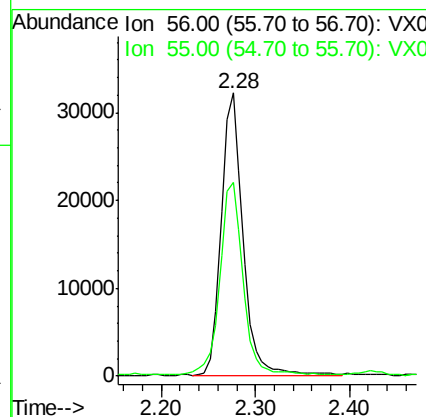
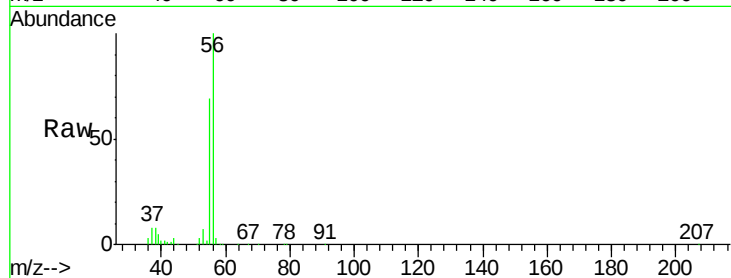
55 72.6 54.2 81.4

Manual Integrations

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#14

Allyl chloride

Concen: 47.926 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

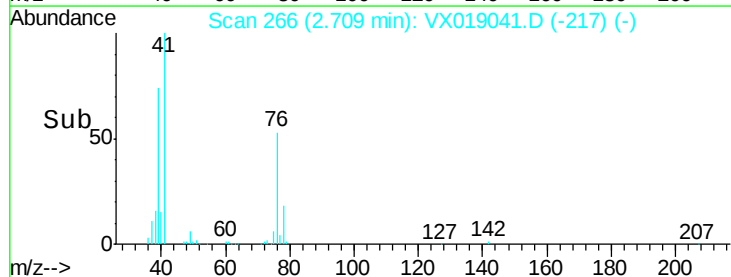
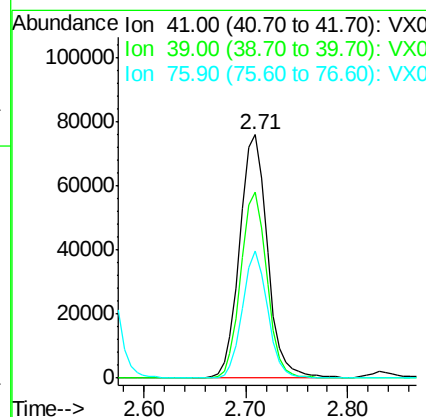
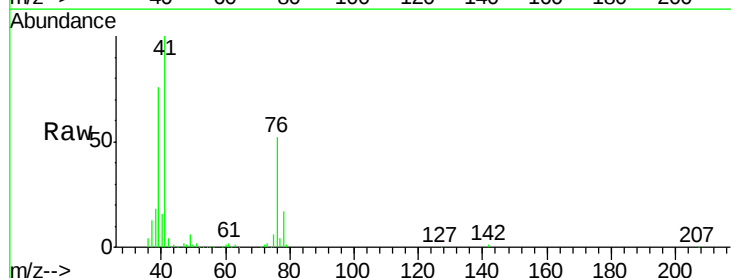
Tgt Ion: 41 Resp: 143109

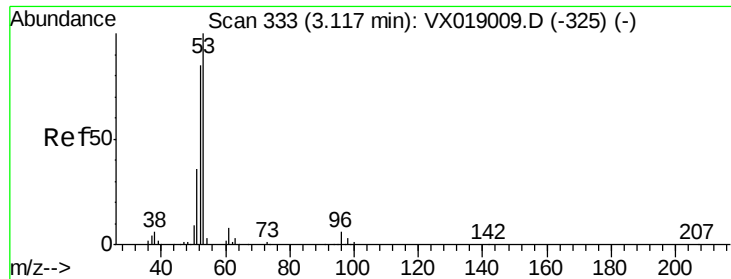
Ion Ratio Lower Upper

41 100

39 71.9 57.4 86.0

76 47.6 37.7 56.5





#15

Acrylonitrile

Concen: 245.631 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

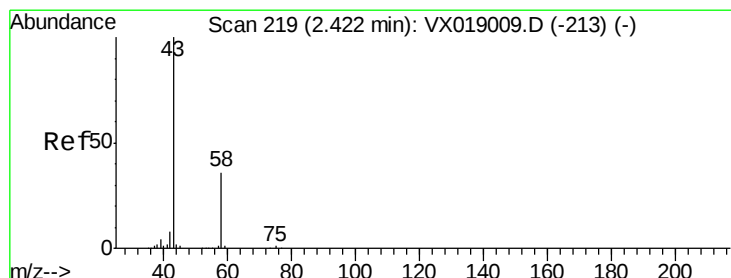
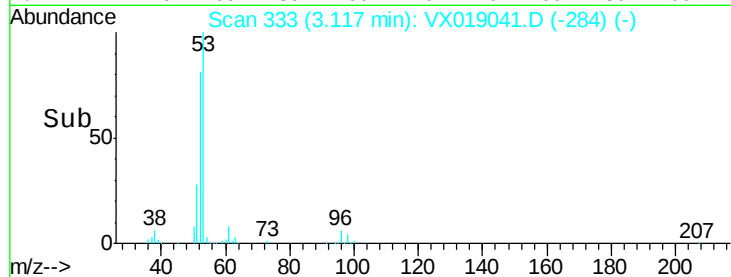
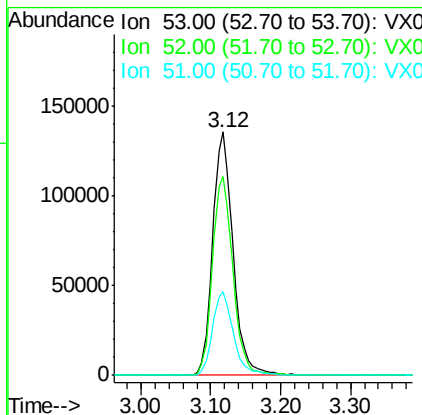
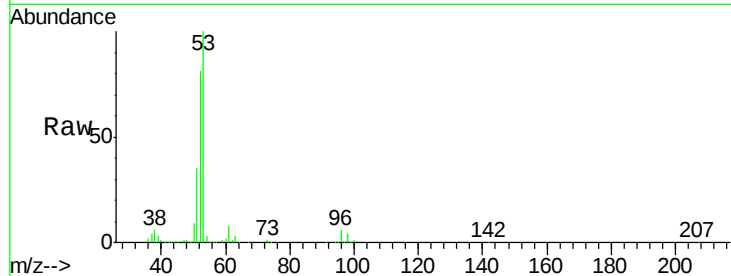
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	273271
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.9	98.9
51	35.0	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 238.585 ug/l

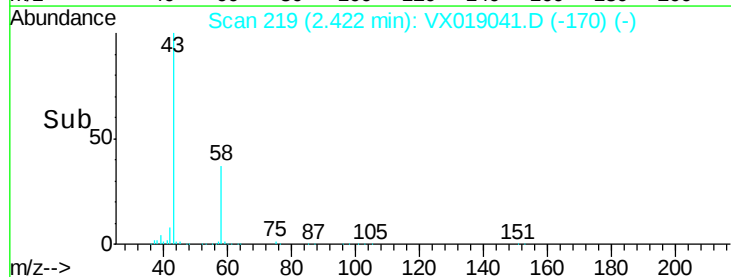
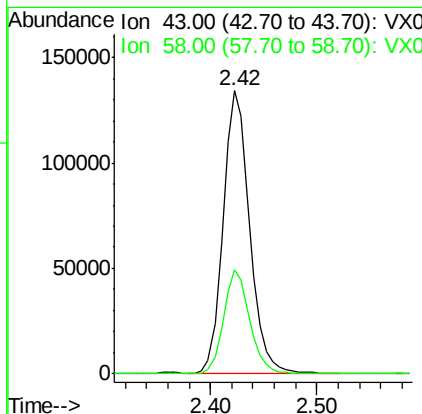
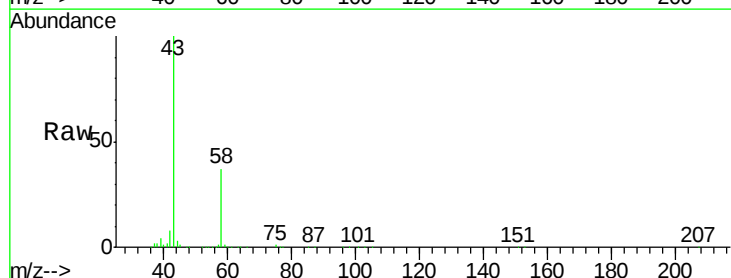
RT: 2.42 min Scan# 219

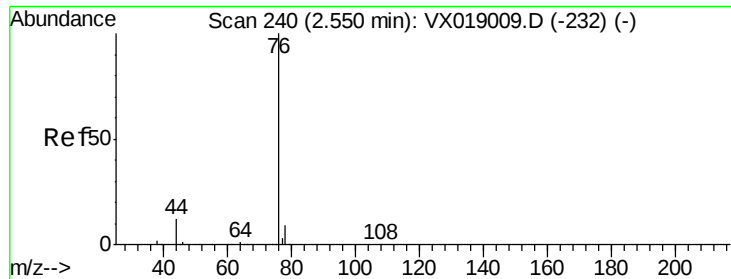
Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion:	43	Resp:	230844
Ion Ratio	Lower	Upper	
43	100		
58	36.8	28.6	42.8





#17

Carbon Disulfide

Concen: 46.274 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 308046

Ion Ratio Lower Upper

76 100

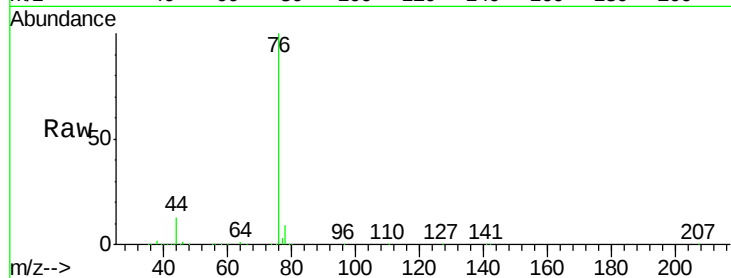
78 9.0 7.1 10.7

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

200000

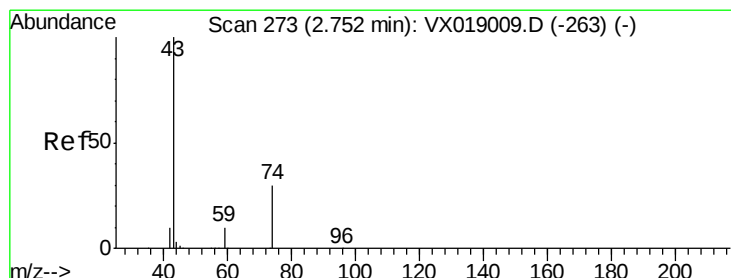
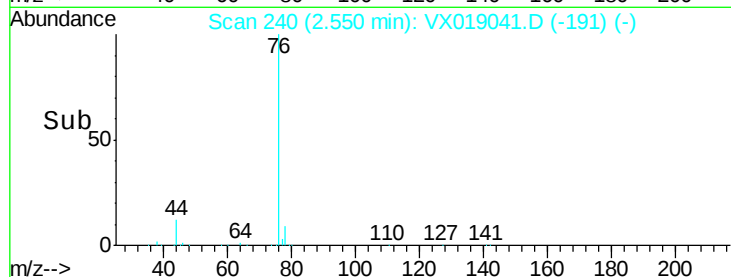
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 50.393 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019041.D

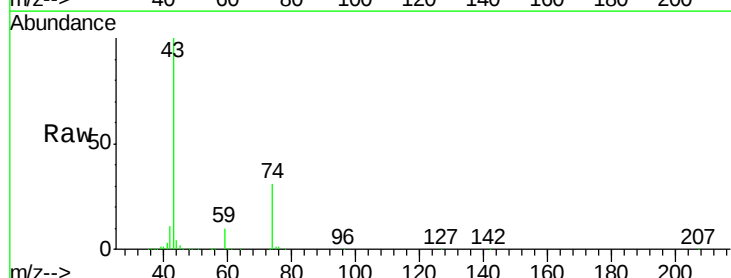
Acq: 22 Oct 2020 20:29

Tgt Ion: 43 Resp: 120991

Ion Ratio Lower Upper

43 100

74 32.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

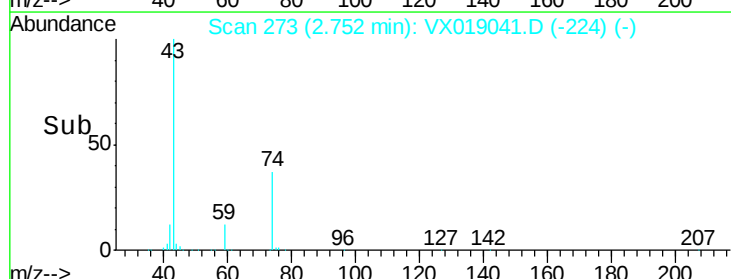
60000

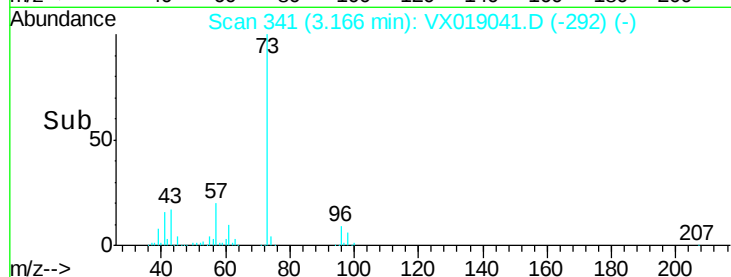
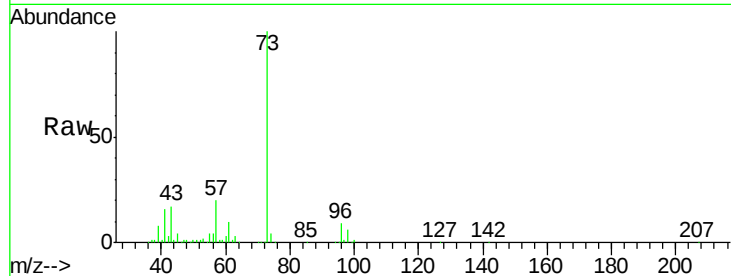
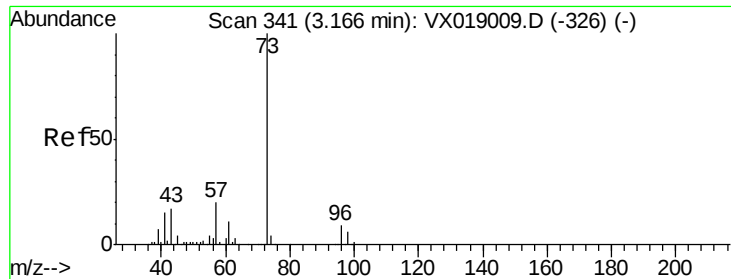
40000

20000

0

Time--> 2.65 2.70 2.75 2.80 2.85





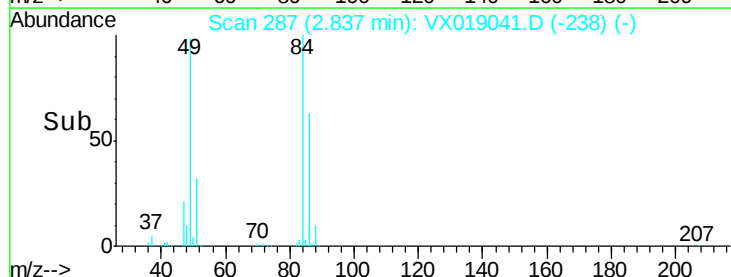
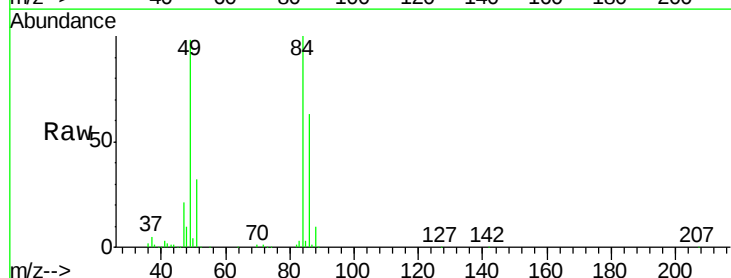
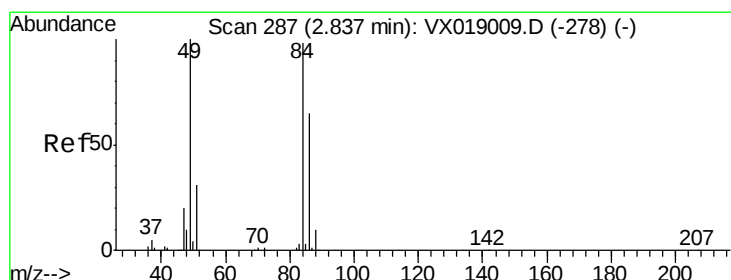
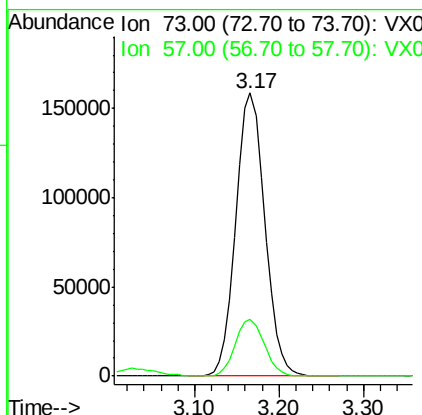
#19
Methyl tert-butyl Ether
Concen: 50.388 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tot Ion	73	Resp	368419
Ion Ratio	100	Lower	Upper
73	100	16.2	24.2
57	20.1		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

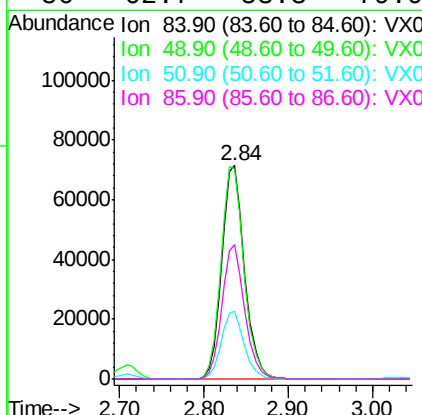
Manual Integrations
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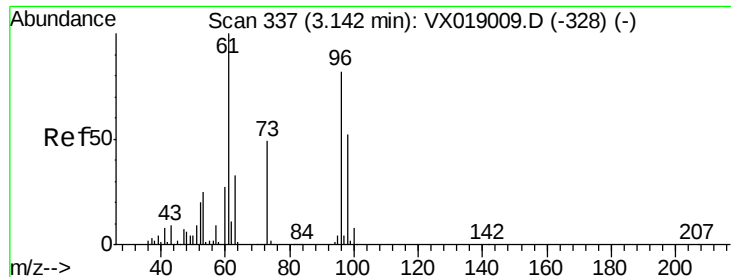
MMDadoda
10/23/2020 12:05:00 PM



#20
Methylene Chloride
Concen: 49.272 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	84	Resp	132722
Ion Ratio	100	Lower	Upper
84	100	81.6	122.4
49	98.5	25.6	38.4
51	31.6		
86	62.7	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 48.546 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

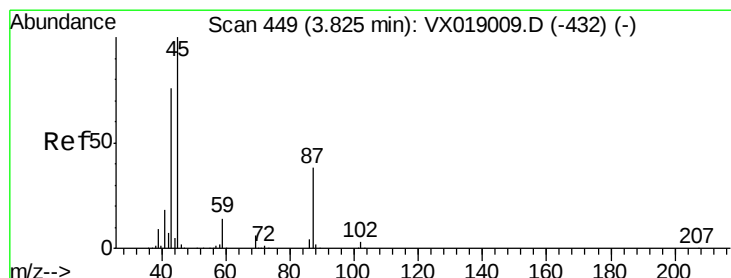
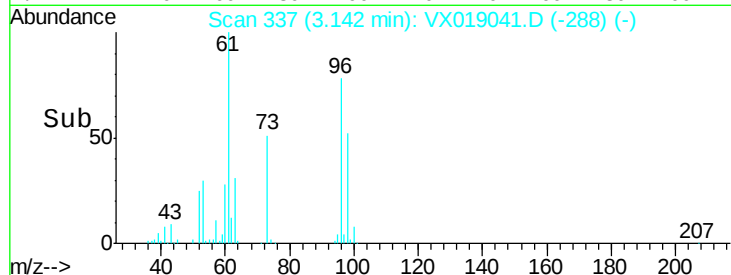
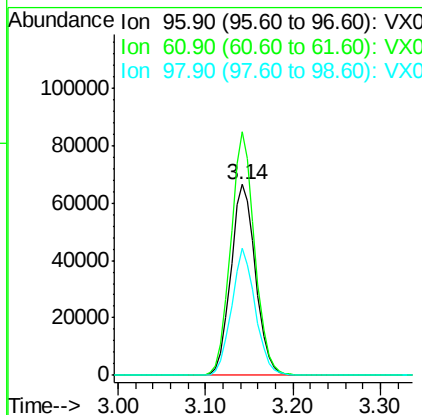
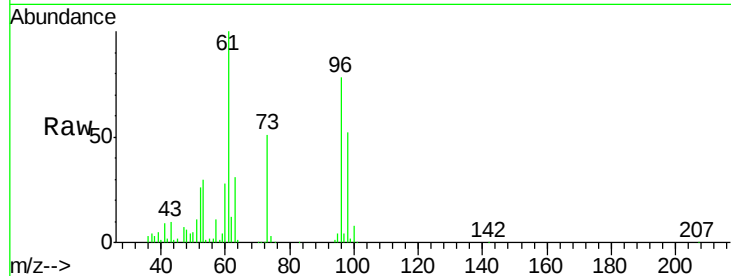
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	130753
Ion	Ratio	Lower	Upper
96	100		
61	127.4	97.8	146.6
98	66.4	50.7	76.1

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#22

Diisopropyl ether

Concen: 50.197 ug/l

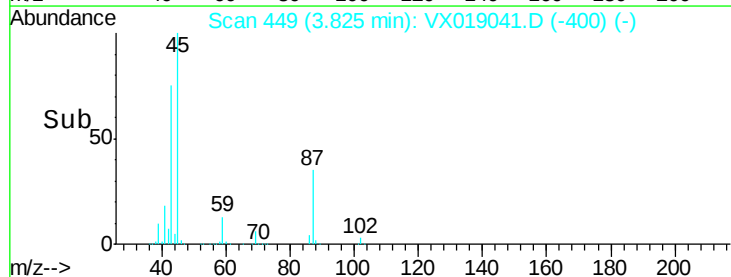
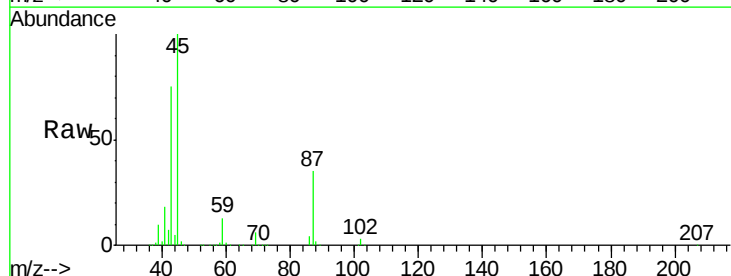
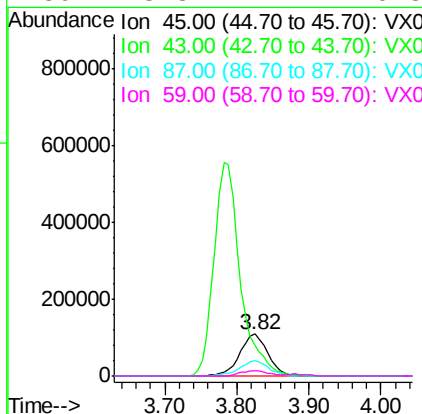
RT: 3.82 min Scan# 449

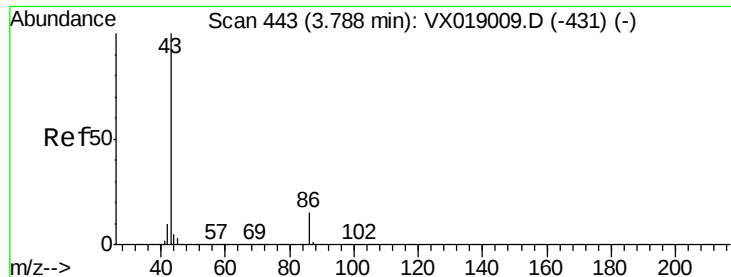
Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion:	45	Resp:	295569
Ion	Ratio	Lower	Upper
45	100		
43	74.1	60.4	90.6
87	35.3	30.4	45.6
59	13.3	11.2	16.8





#23

Vinyl Acetate

Concen: 252.628 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1412471

Ion Ratio Lower Upper

43 100

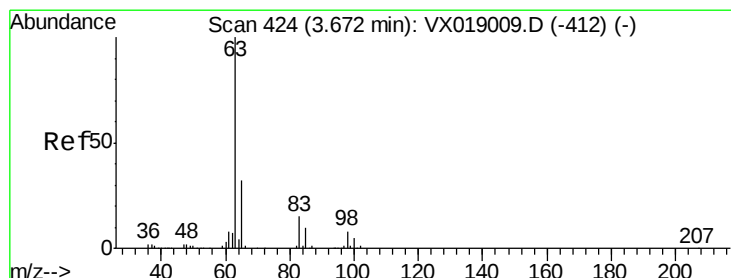
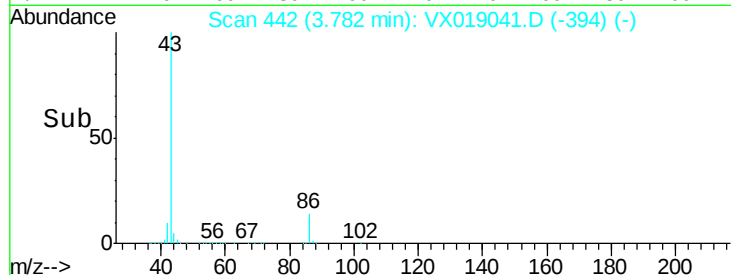
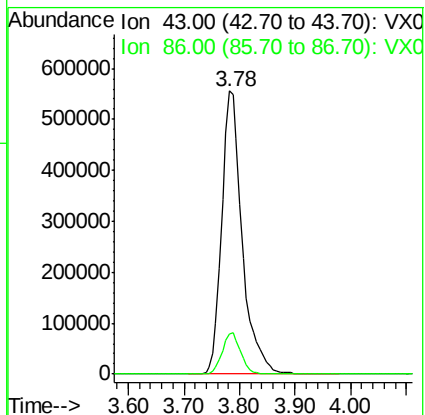
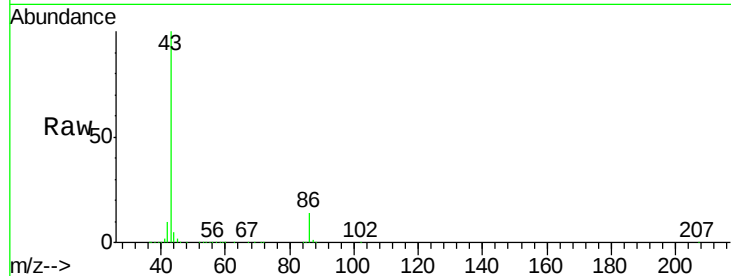
86 14.3 11.7 17.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.185 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

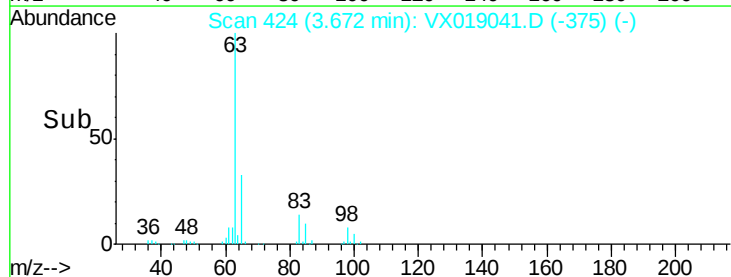
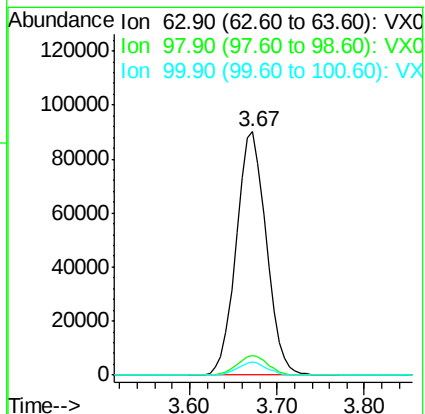
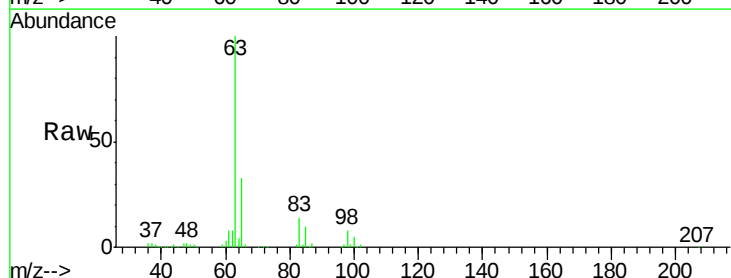
Tgt Ion: 63 Resp: 215199

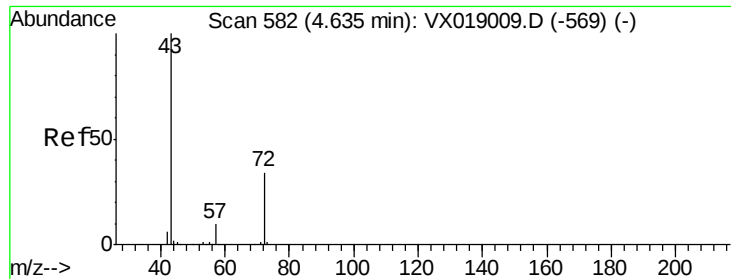
Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.0

100 5.4 2.5 7.4





#25

2-Butanone

Concen: 246.916 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 377489

Ion Ratio Lower Upper

43 100

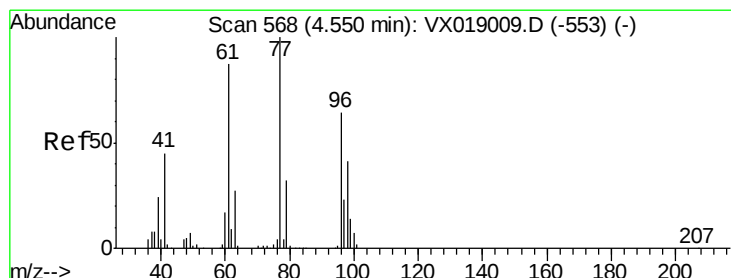
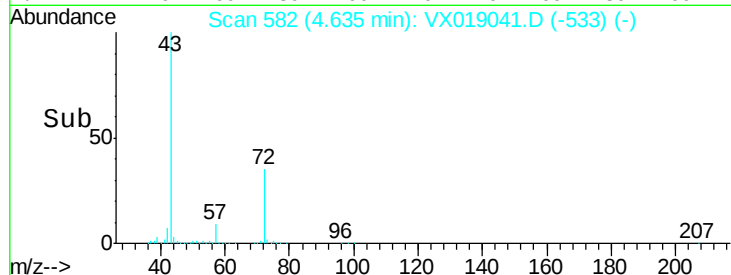
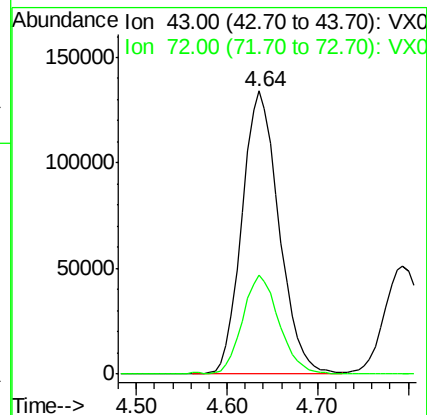
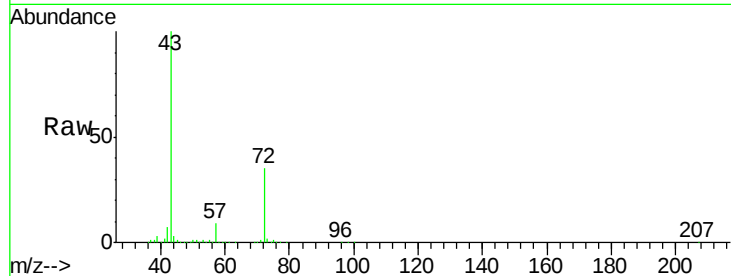
72 34.8 27.8 41.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.754 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX019041.D

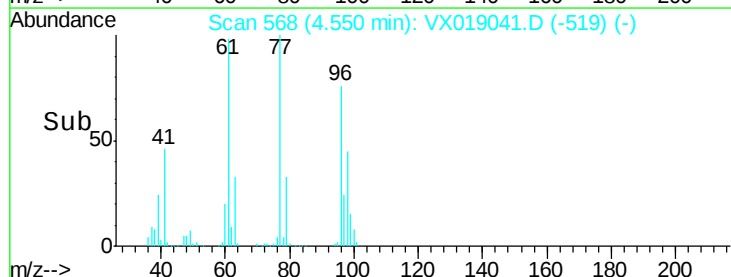
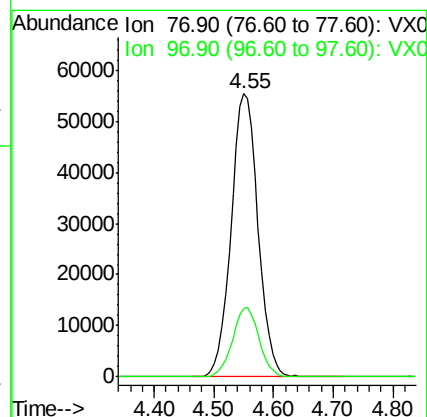
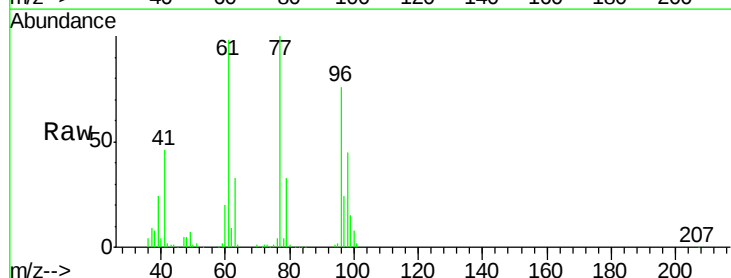
Acq: 22 Oct 2020 20:29

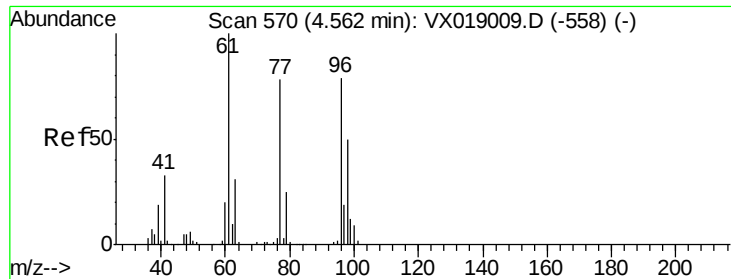
Tgt Ion: 77 Resp: 173232

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.7





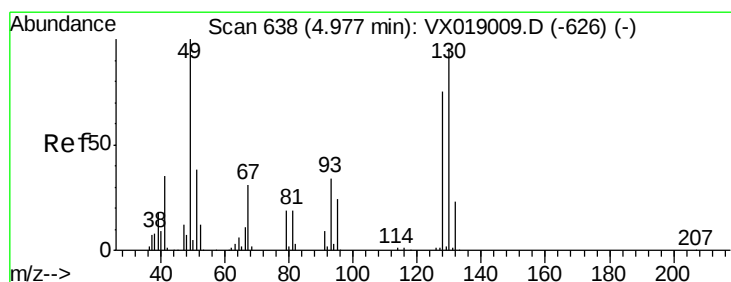
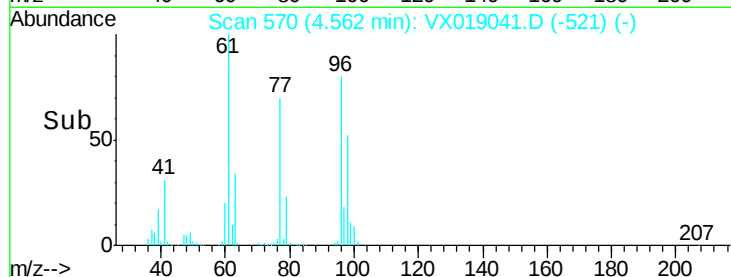
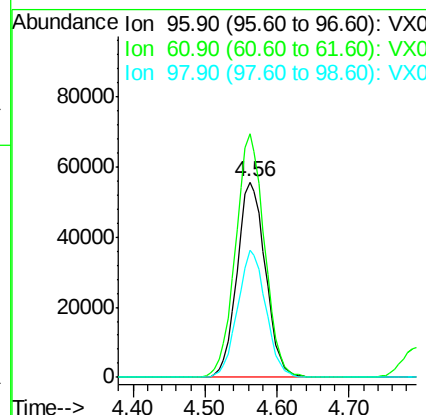
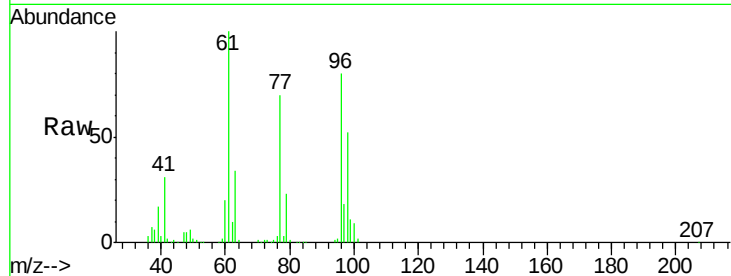
#27
 cis-1,2-Dichloroethene
 Concen: 50.024 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	152910		
61	126.6	0.0	260.0	
98	64.7	0.0	131.4	

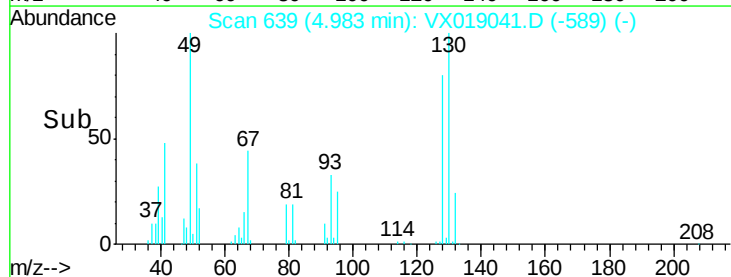
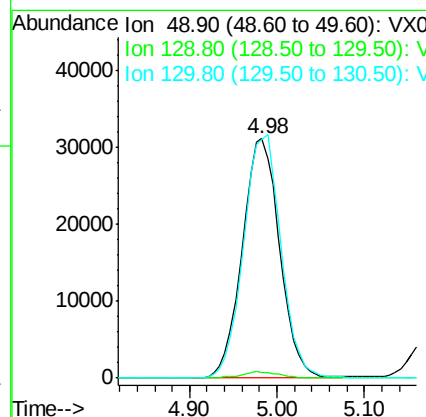
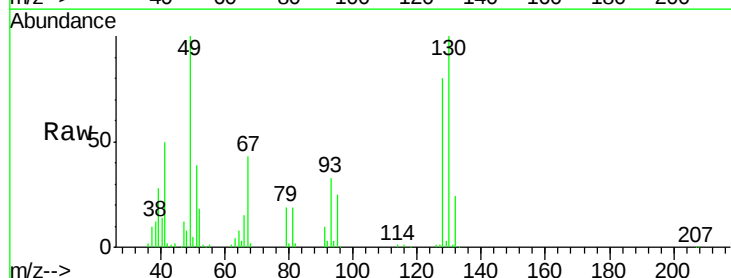
Manual Integrations
 APPROVED

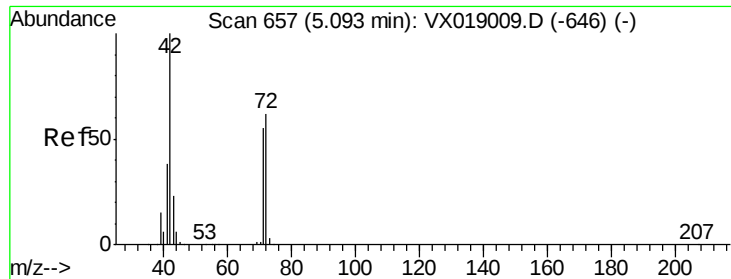
MMDadoda
 10/23/2020 12:05:00 PM



#28
 Bromochloromethane
 Concen: 50.899 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92679		
129	2.6	0.0	5.2	
130	101.9	79.0	118.6	





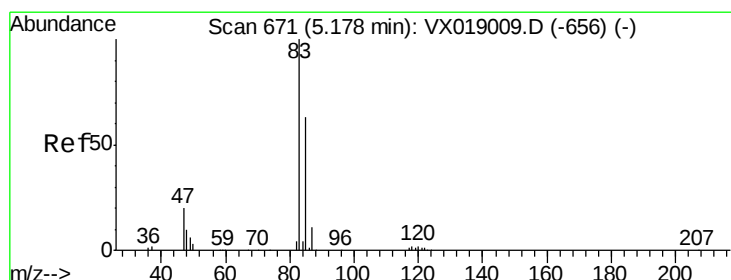
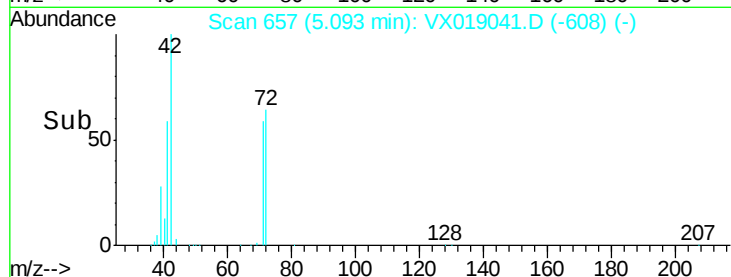
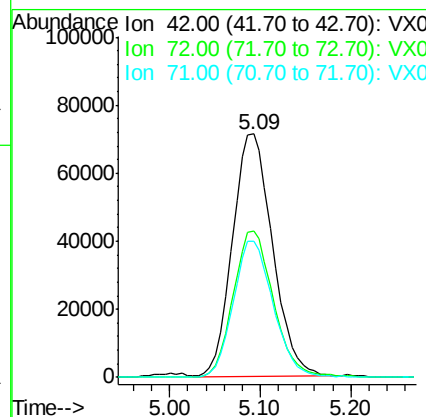
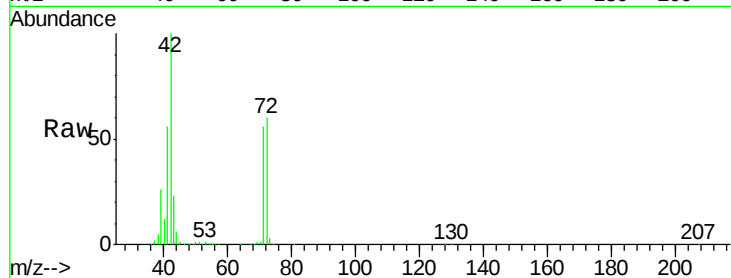
#29
Tetrahydrofuran
Concen: 237.692 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	42	Resp	217196
Ion Ratio	Lower	Upper	
42	100		
72	61.4	49.1	73.7
71	56.6	44.2	66.4

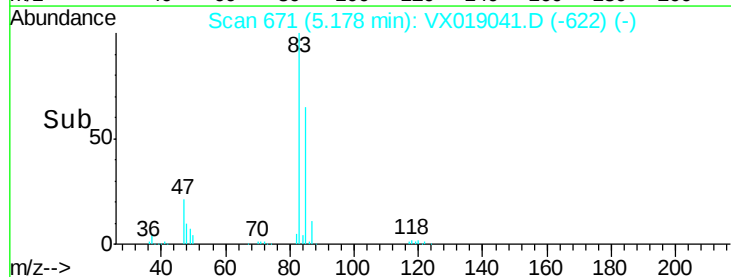
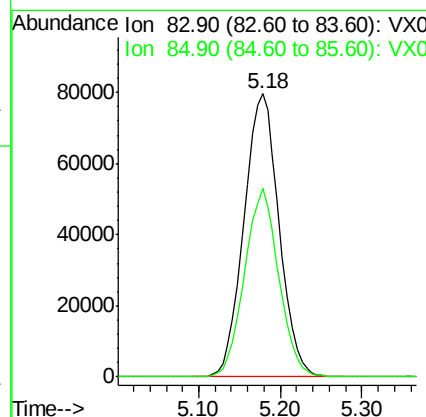
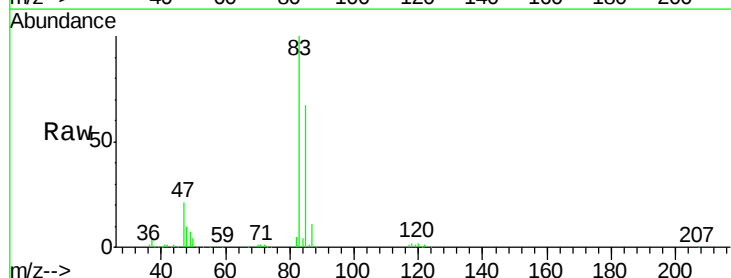
Manual Integrations
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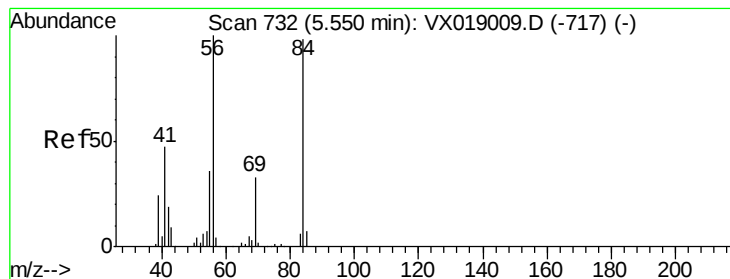
MMDadoda
10/23/2020 12:05:00 PM



#30
Chloroform
Concen: 51.150 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	83	Resp	238128
Ion Ratio	Lower	Upper	
83	100		
85	66.6	50.5	75.7





#31

Cyclohexane

Concen: 47.647 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 158499

Ion Ratio Lower Upper

56 100

69 34.7 26.2 39.2

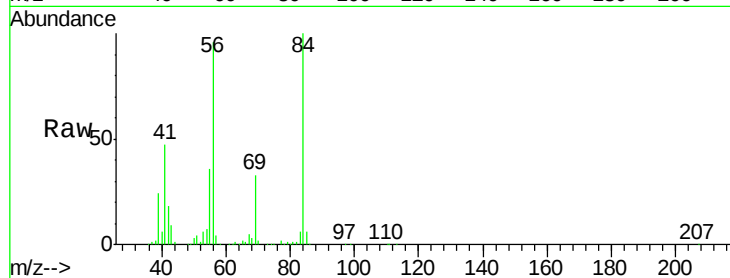
84 102.0 78.3 117.5

Manual Integrations

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MMDadoda

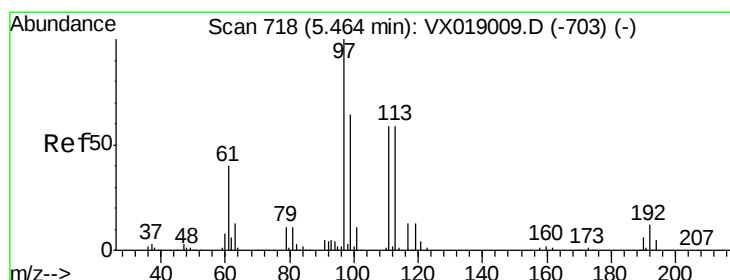
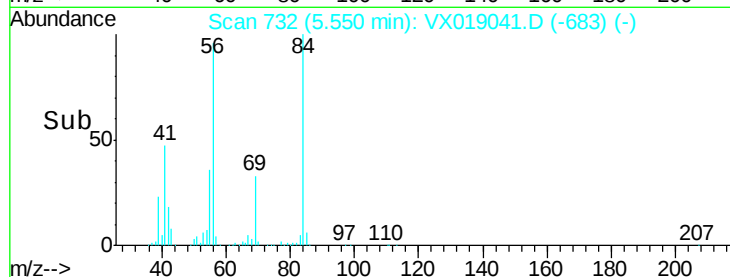
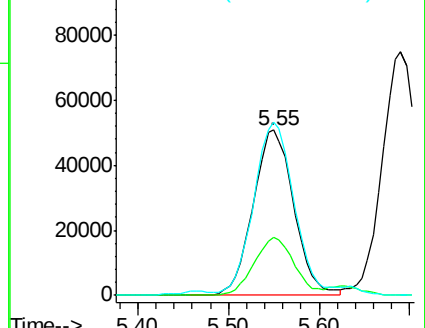
10/23/2020 12:05:00 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.275 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

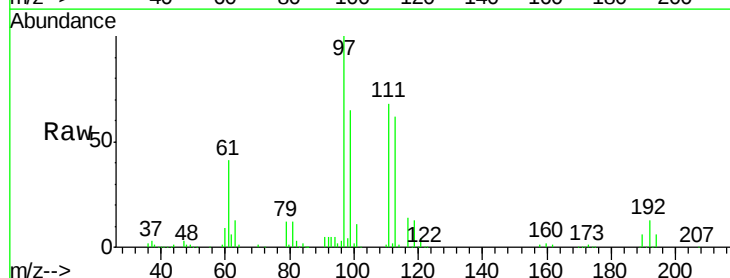
Tgt Ion: 97 Resp: 212279

Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

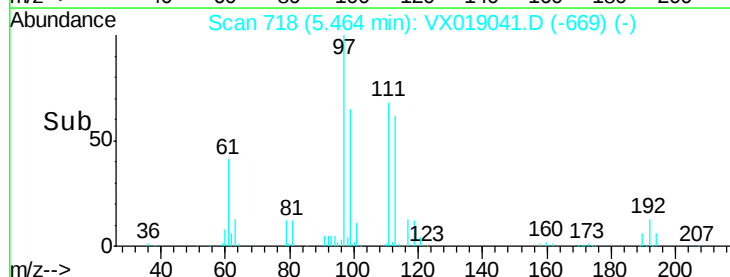
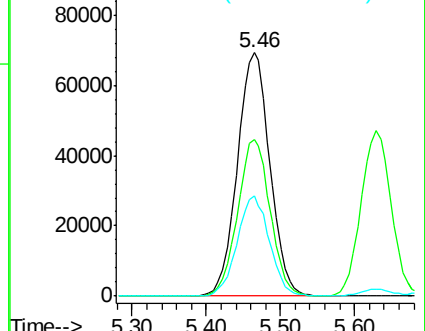
61 40.8 31.9 47.9

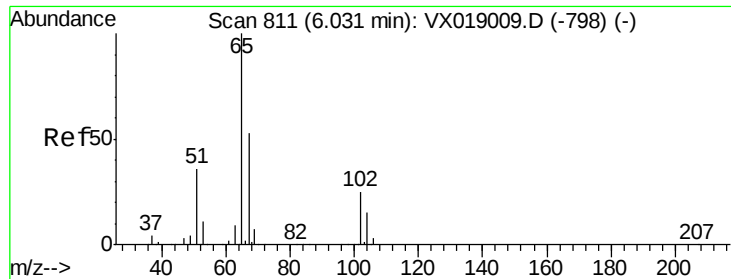


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





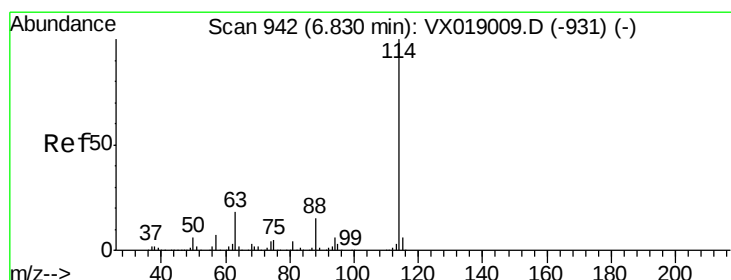
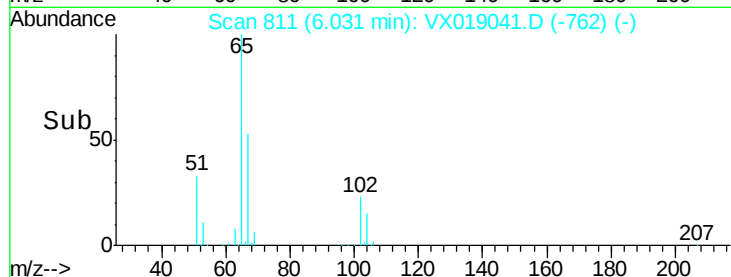
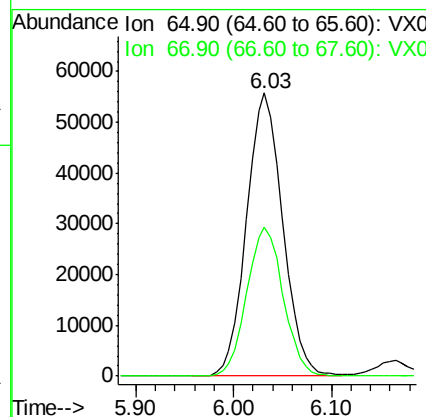
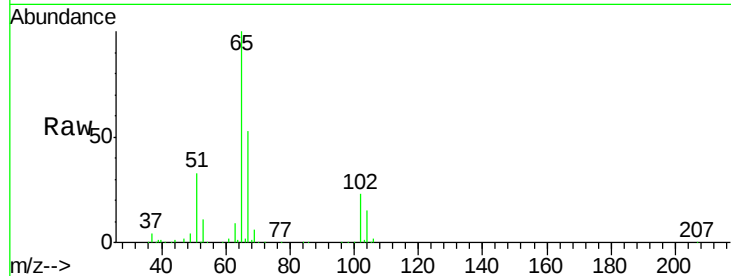
#33
 1,2-Dichloroethane-d4
 Concen: 50.443 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143289		
67	53.2	0.0	107.0	

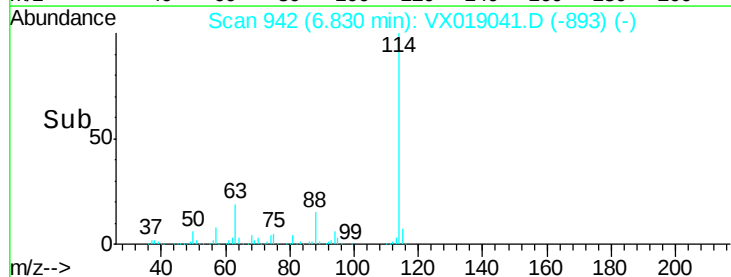
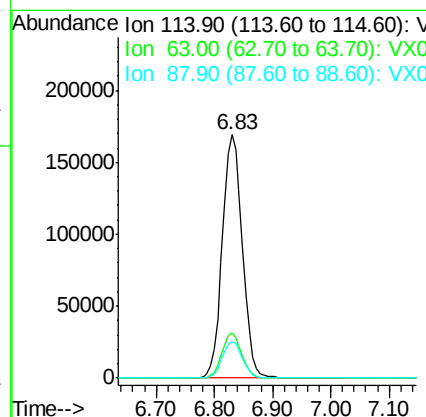
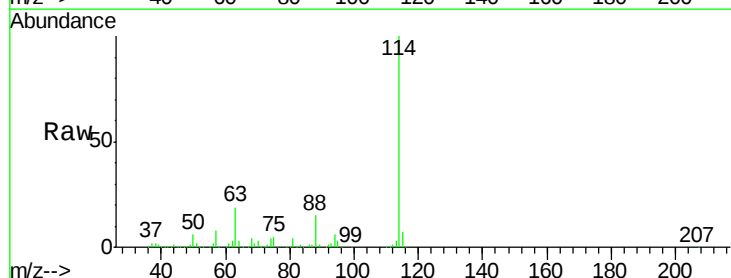
Manual Integrations
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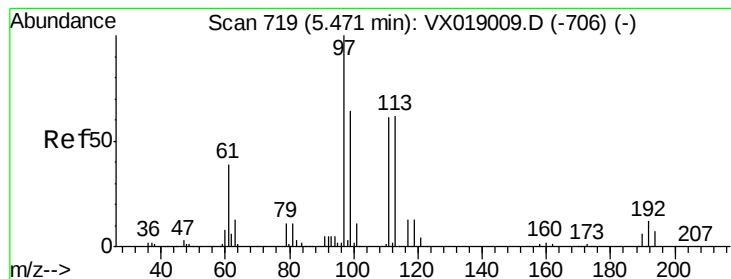
MMDadoda
 10/23/2020 12:05:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	403286		
63	18.6	0.0	36.8	
88	15.1	0.0	30.2	





#35

Dibromofluoromethane

Concen: 48.586 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

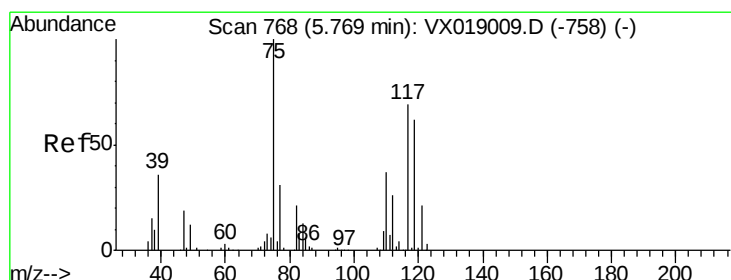
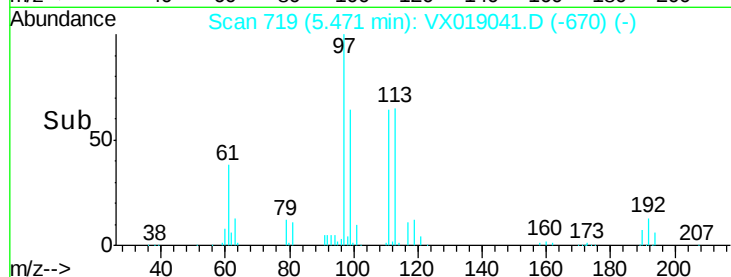
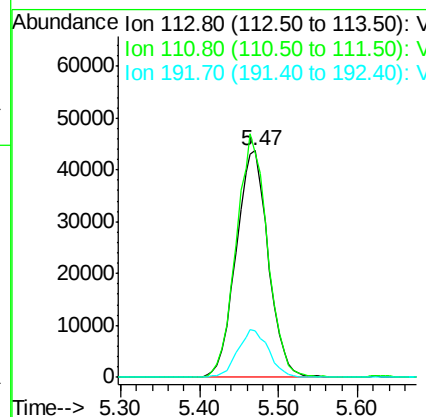
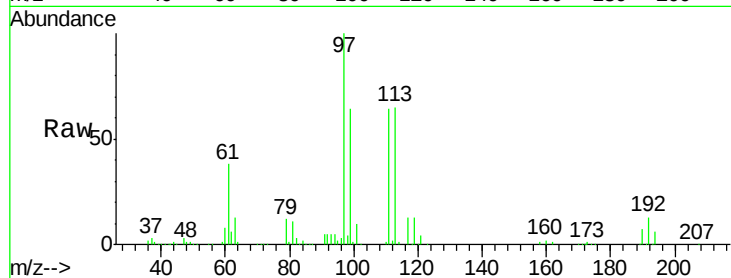
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124056		
111	104.2	81.5	122.3	
192	20.3	16.3	24.5	

Manual Integrations
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10/23/2020 12:05:00 PM



#36

1,1-Dichloropropene

Concen: 47.854 ug/l

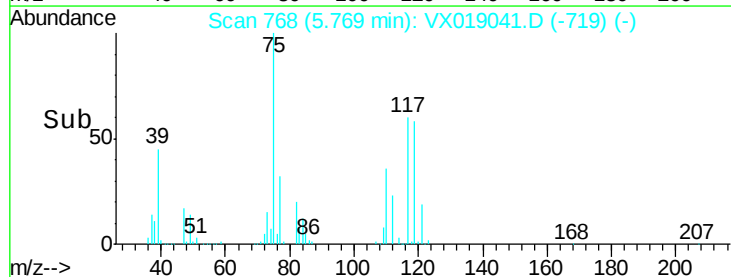
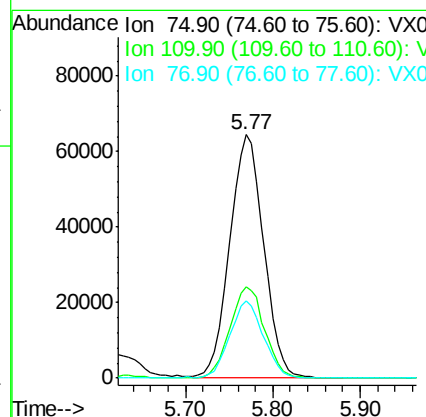
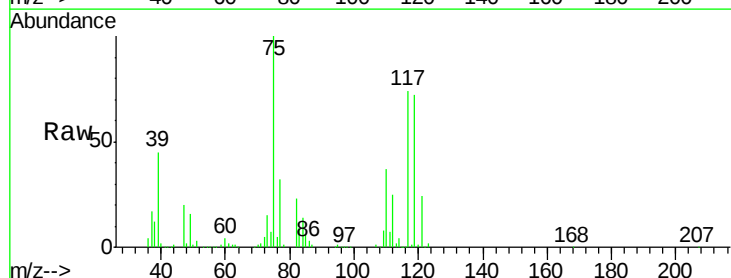
RT: 5.77 min Scan# 768

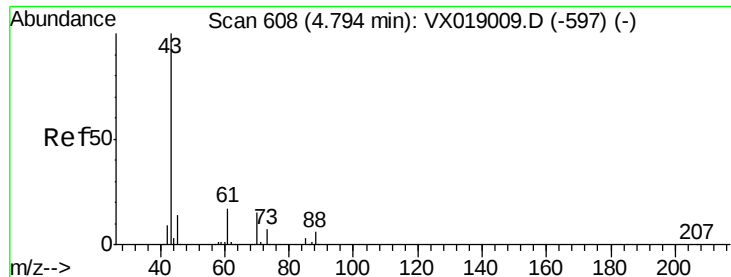
Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173168		
110	38.3	19.4	58.2	
77	31.9	25.2	37.8	





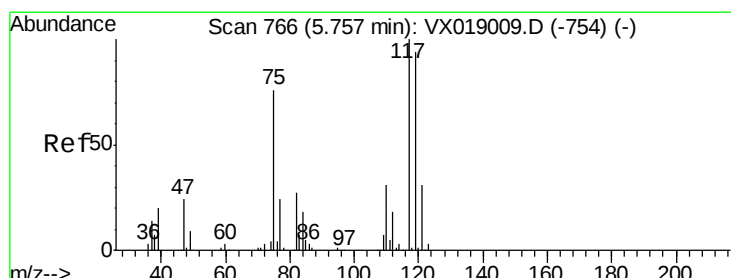
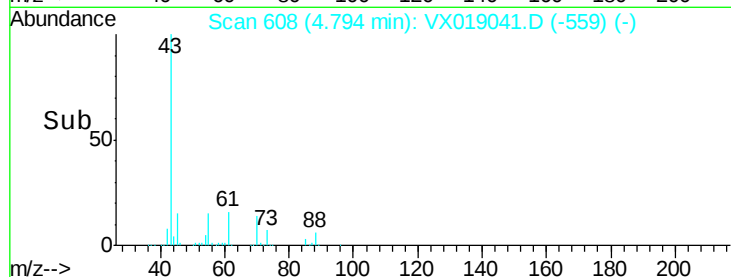
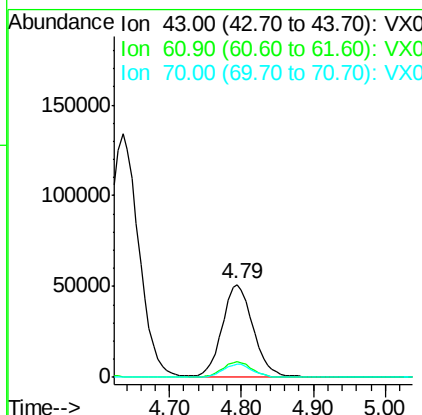
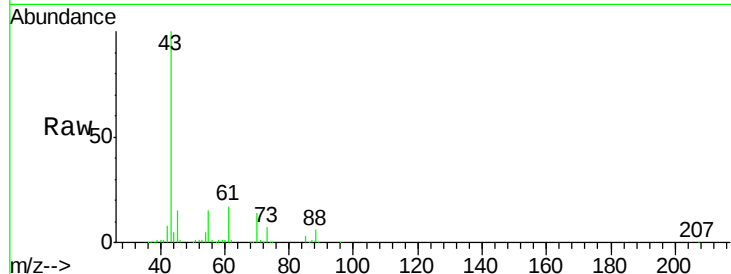
#37
Ethyl Acetate
Concen: 49.315 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	13.8	20.8
70	13.7	11.4	17.2

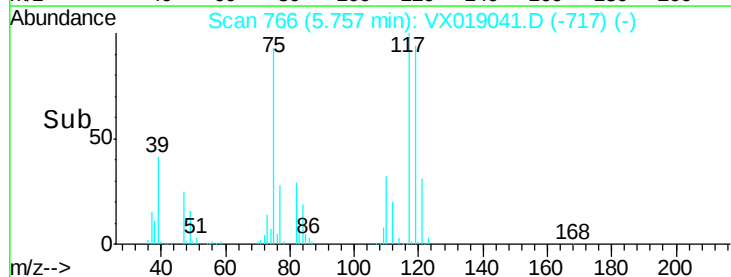
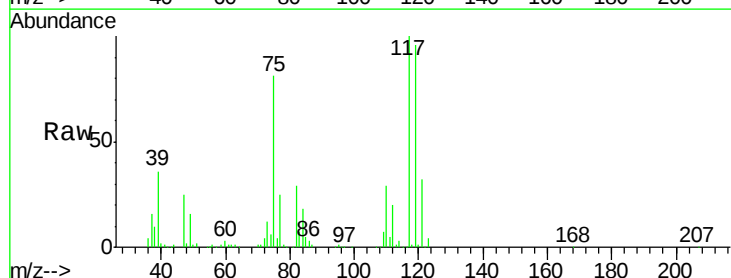
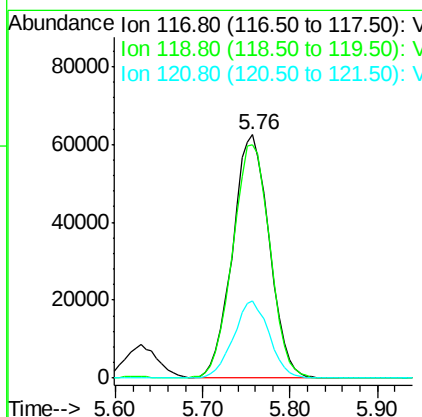
Manual Integrations
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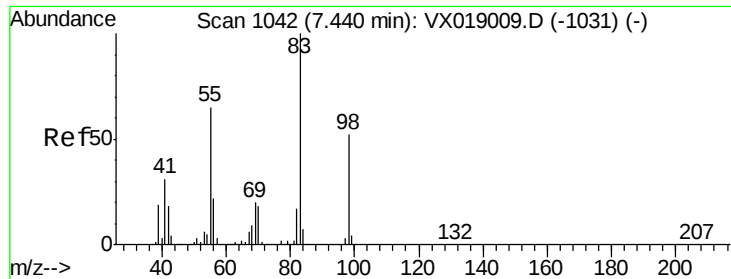
MMDadoda
10/23/2020 12:05:00 PM



#38
Carbon Tetrachloride
Concen: 47.948 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.4	113.0
121	31.8	25.0	37.6





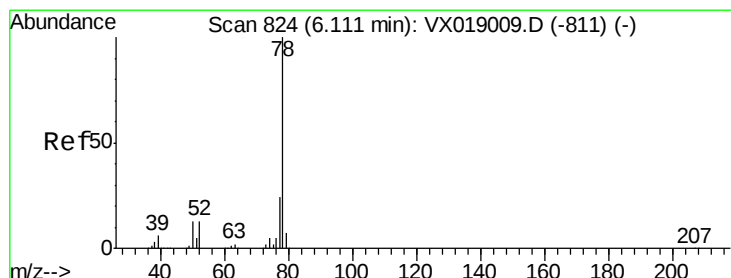
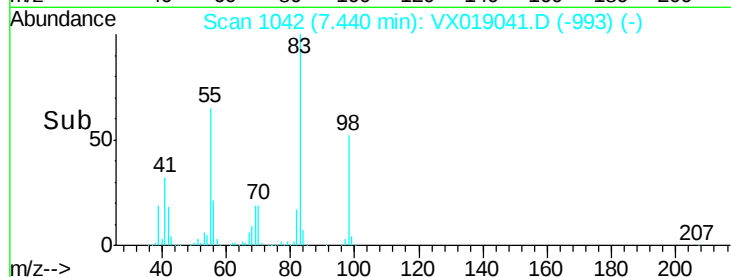
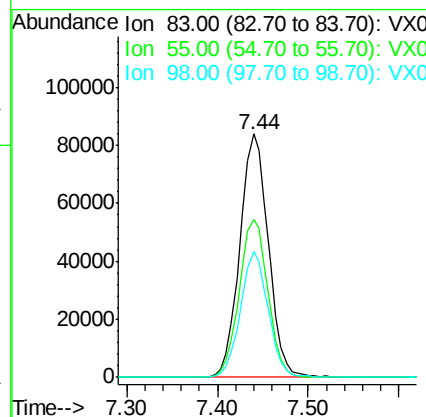
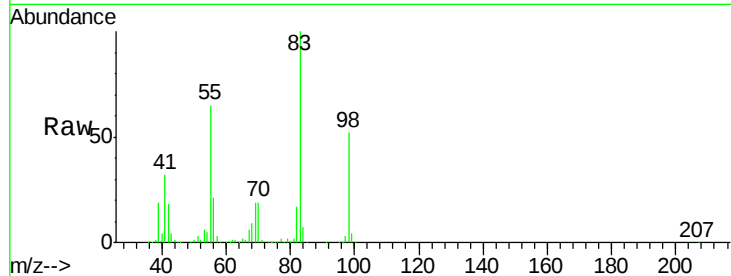
#39
Methvlcvclohexane
Concen: 45.084 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.9	51.8	77.6
98	51.9	41.4	62.2

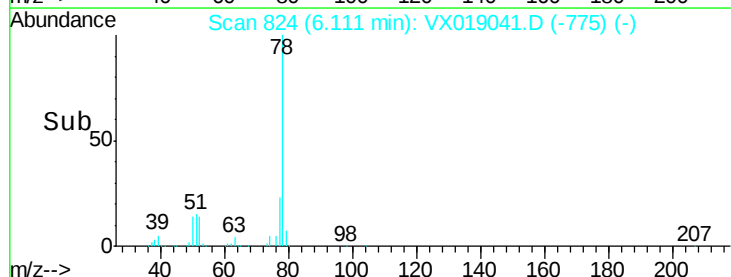
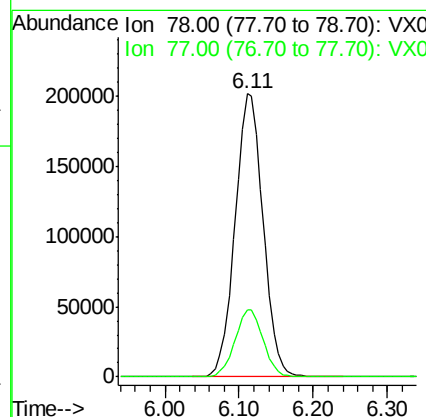
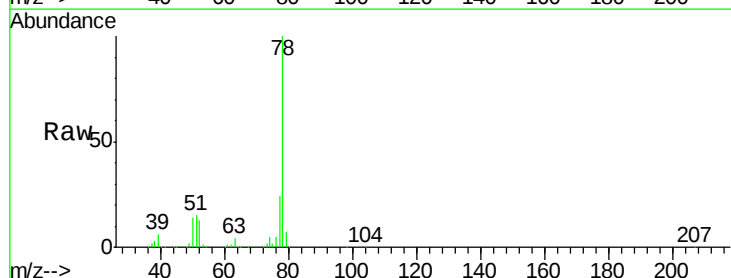
Manual Integrations
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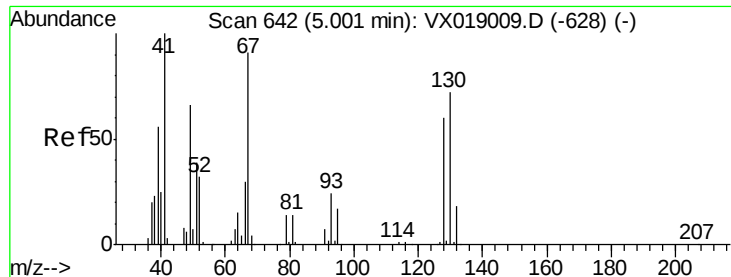
MMDadoda
10/23/2020 12:05:00 PM



#40
Benzene
Concen: 49.918 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





#41

Methacrylonitrile

Concen: 49.286 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 81770

Ion Ratio Lower Upper

41 100

39 55.1 44.6 67.0

67 92.8 76.1 114.1

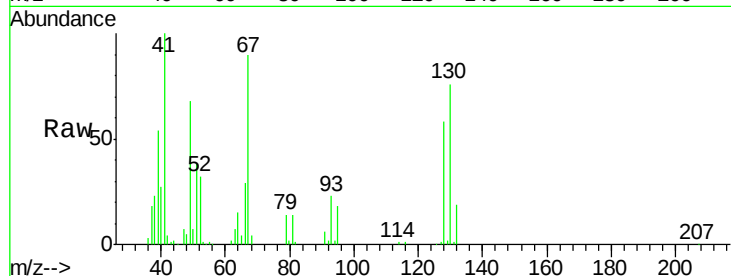
52 34.5 28.3 42.5

Manual Integrations

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MMDadoda

10/23/2020 12:05:00 PM

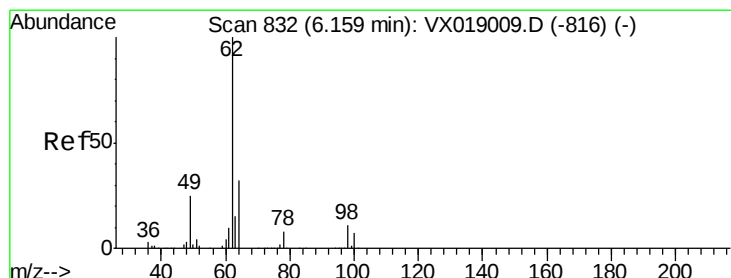
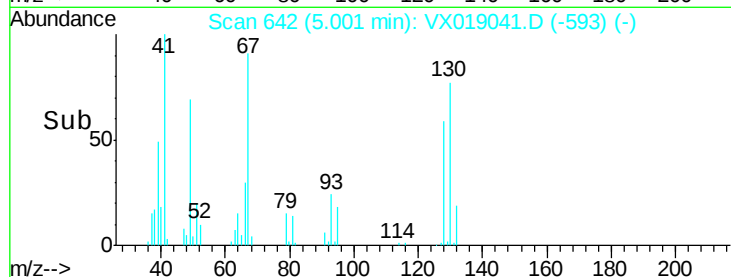
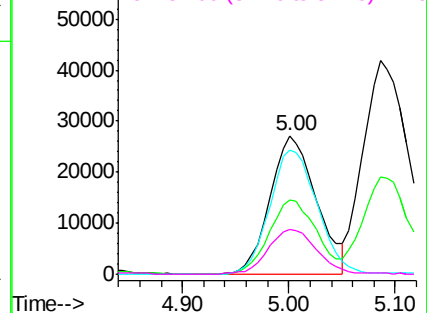


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.839 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX019041.D

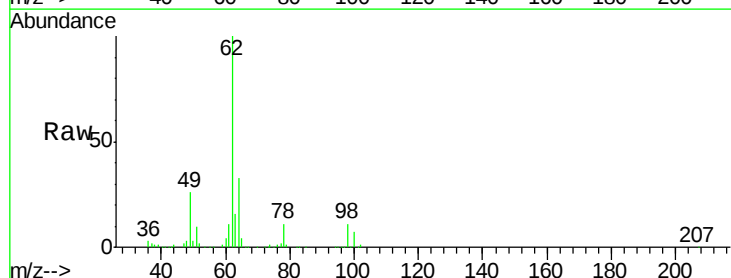
Acq: 22 Oct 2020 20:29

Tgt Ion: 62 Resp: 181268

Ion Ratio Lower Upper

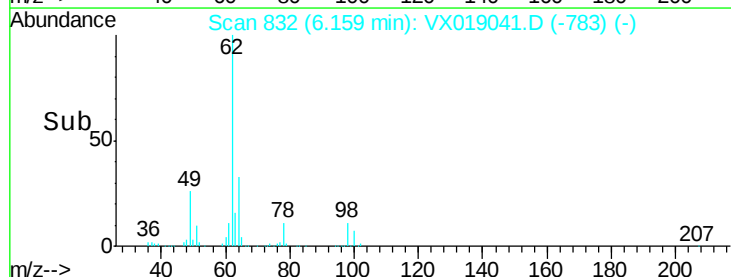
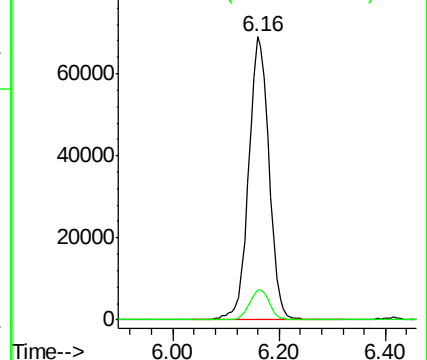
62 100

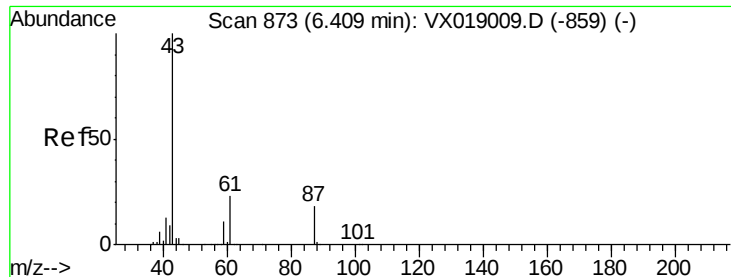
98 10.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.034 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

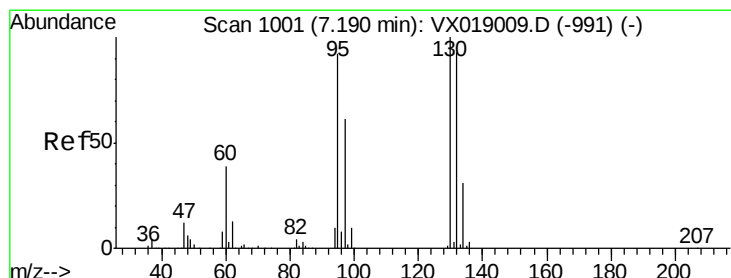
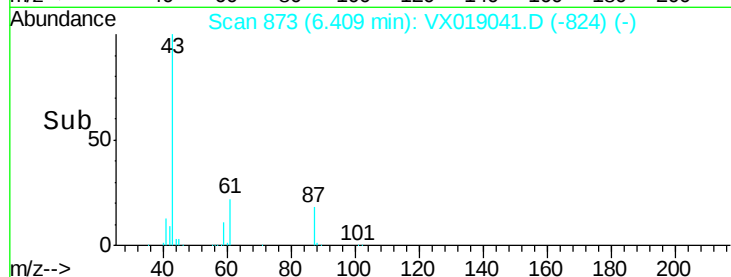
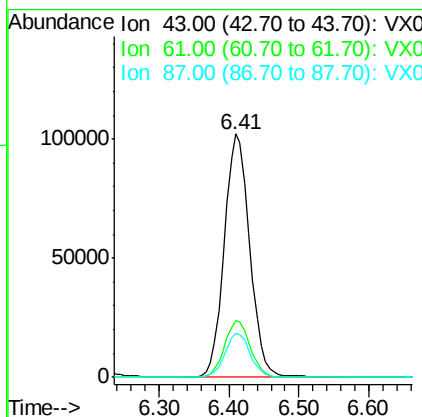
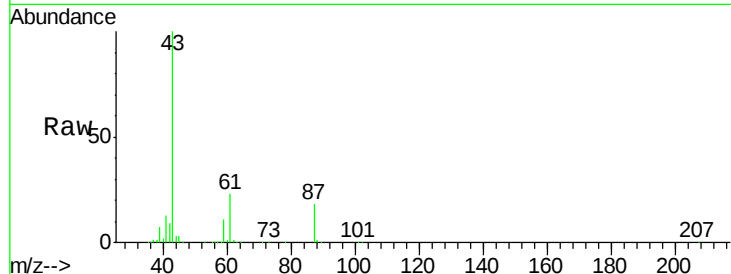
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	256492
Ion	Ratio	Lower	Upper
43	100		
61	23.7	18.7	28.1
87	18.0	14.2	21.4

Manual Integrations
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#44

Trichloroethene

Concen: 47.865 ug/l

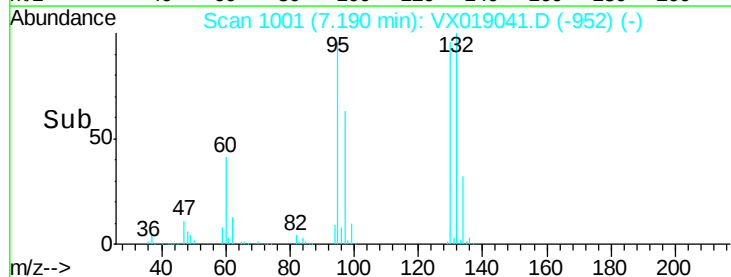
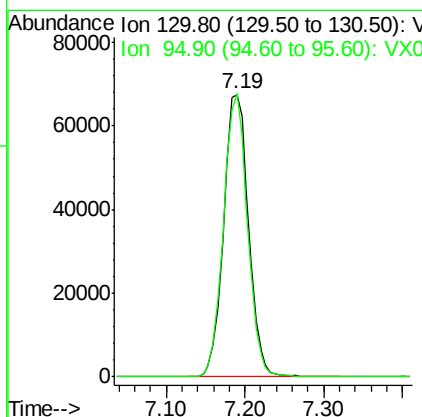
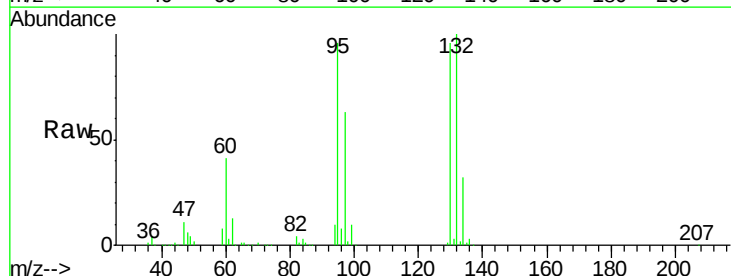
RT: 7.19 min Scan# 1001

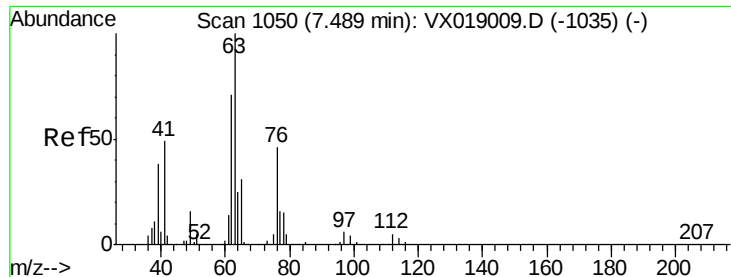
Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion:	130	Resp:	148764
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	184.2





#45

1,2-Dichloropropane

Concen: 49.420 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 126337

Ion Ratio Lower Upper

63 100

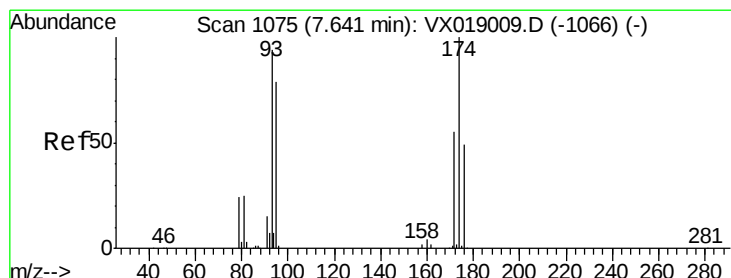
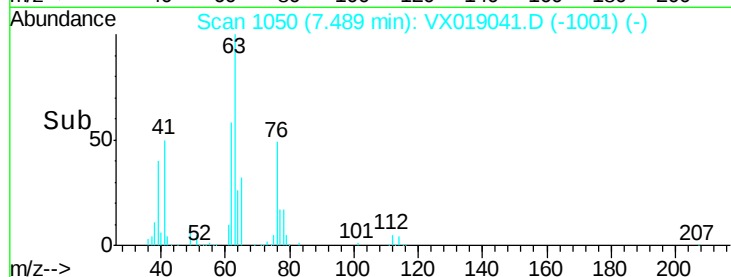
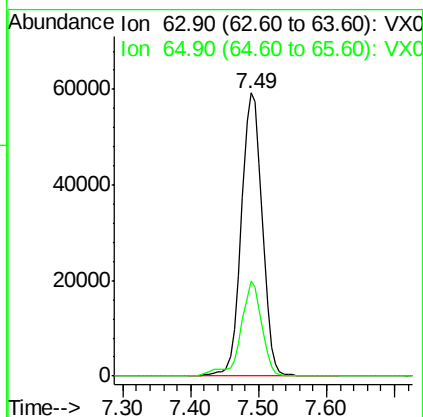
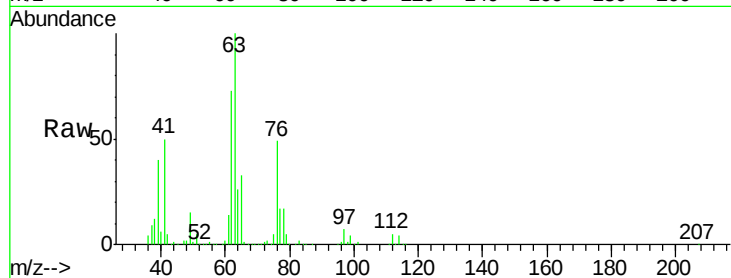
65 33.5 24.9 37.3

Manual Integrations

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MMDadoda

10/23/2020 12:05:00 PM



#46

Dibromomethane

Concen: 48.778 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

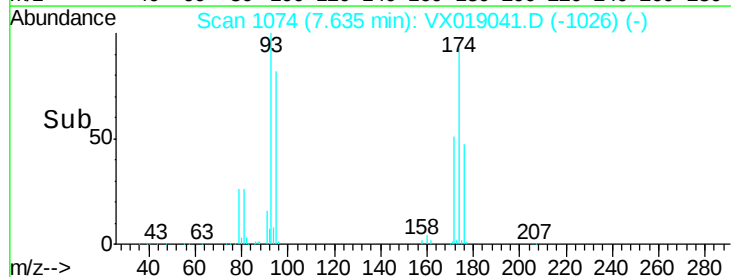
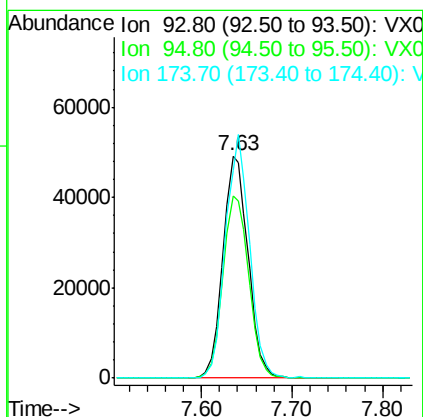
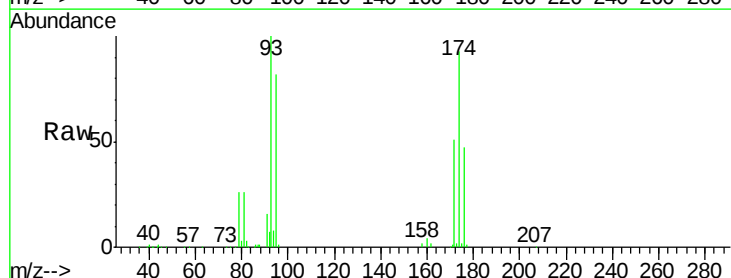
Tgt Ion: 93 Resp: 94973

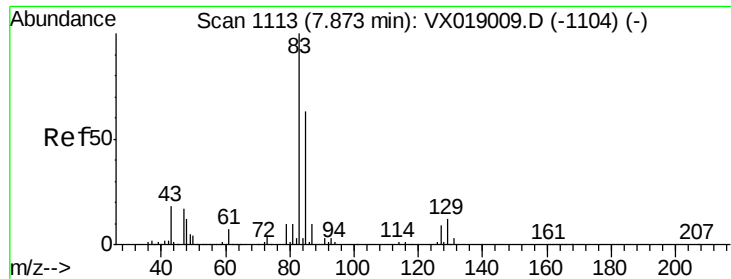
Ion Ratio Lower Upper

93 100

95 84.5 66.8 100.2

174 104.8 83.8 125.8





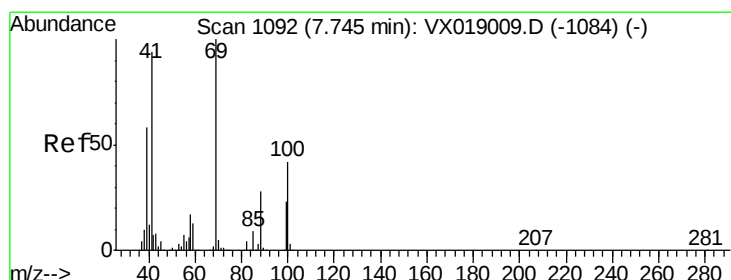
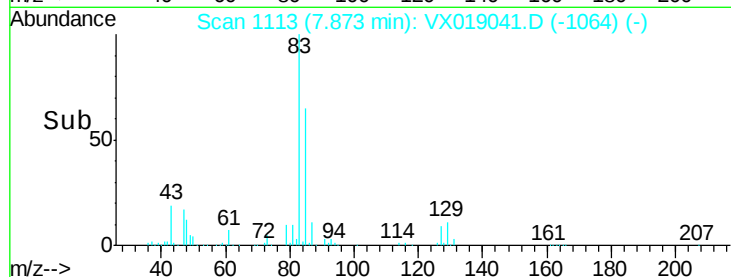
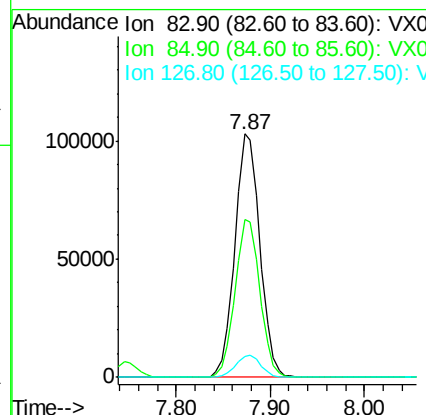
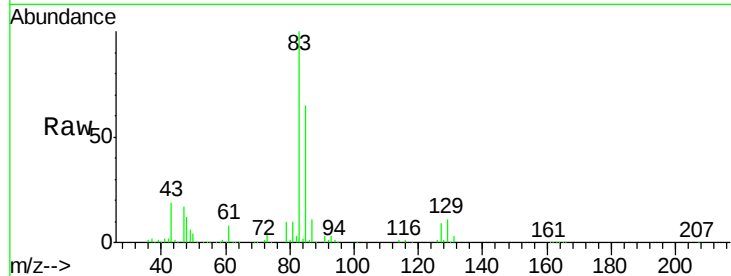
#47
Bromodichloromethane
Concen: 49.590 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	189316		
85	65.0		50.7	76.1
127	8.7		6.8	10.2

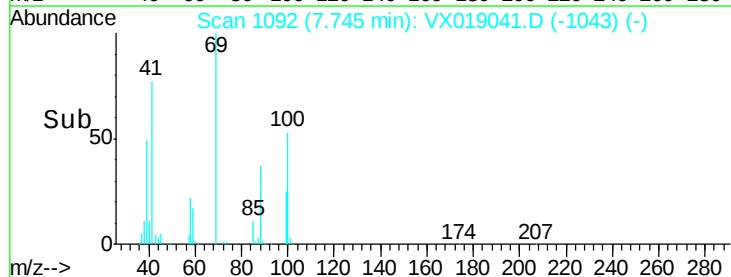
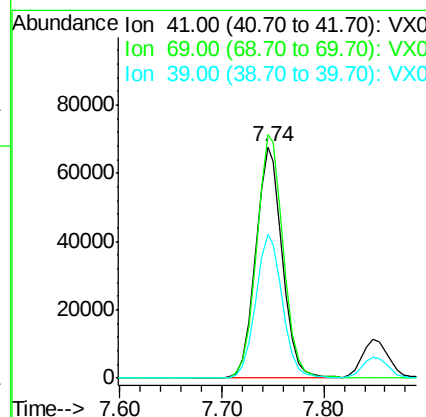
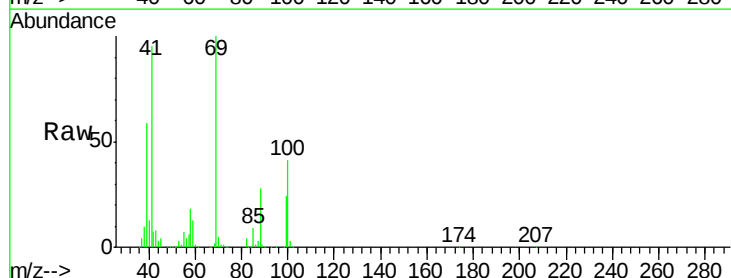
Manual Integrations
APPROVED

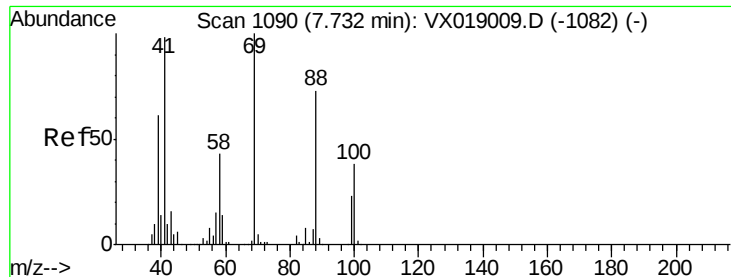
MMDadoda
10/23/2020 12:05:00 PM



#48
Methyl methacrylate
Concen: 47.436 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	122261		
69	106.4		85.5	128.3
39	63.0		49.3	73.9





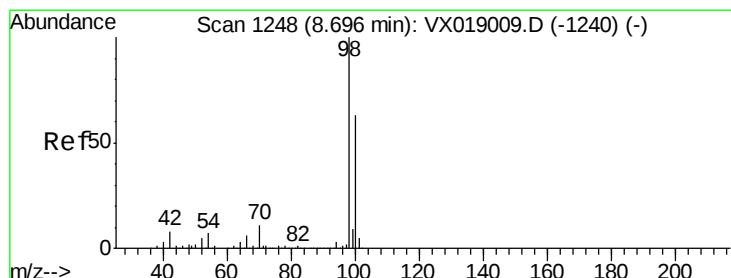
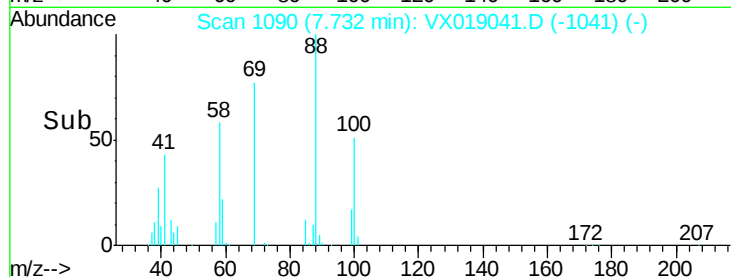
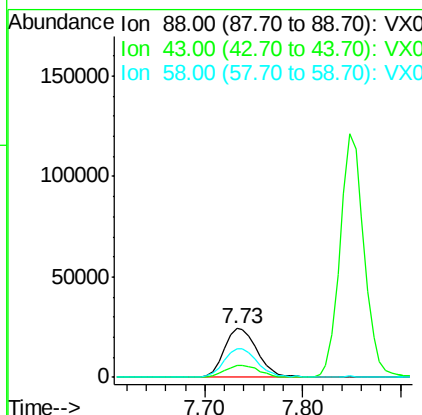
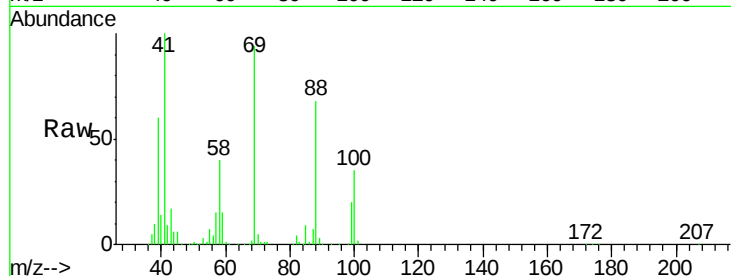
#49
1,4-Dioxane
Concen: 979.420 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.3	20.3	30.5
58	59.3	48.4	72.6

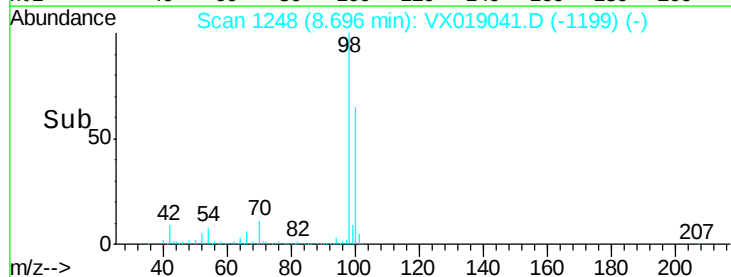
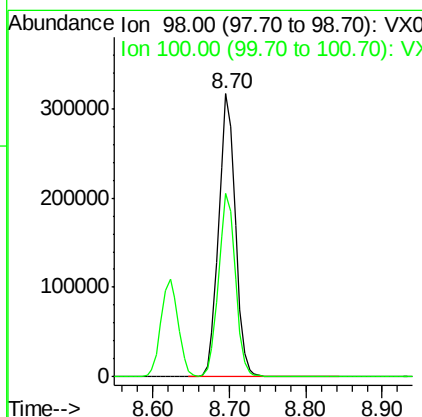
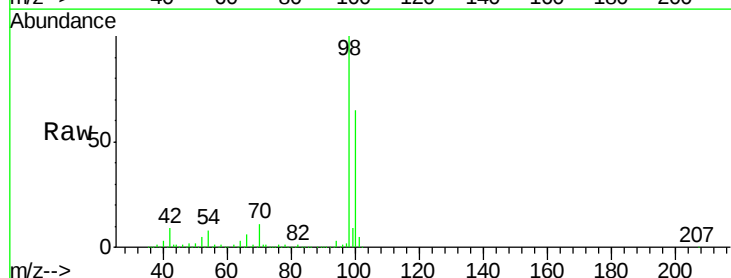
Manual Integrations
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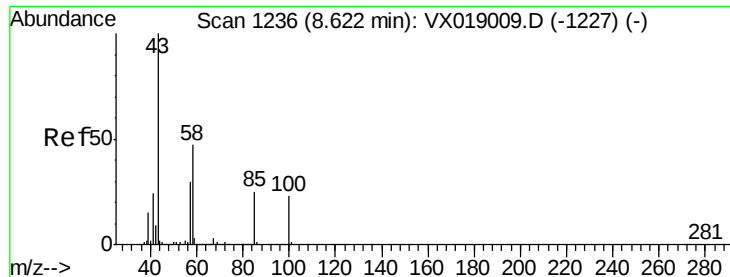
MMDadoda
10/23/2020 12:05:00 PM



#50
Toluene-d8
Concen: 49.115 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 249.857 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 770137

Ion Ratio Lower Upper

43 100

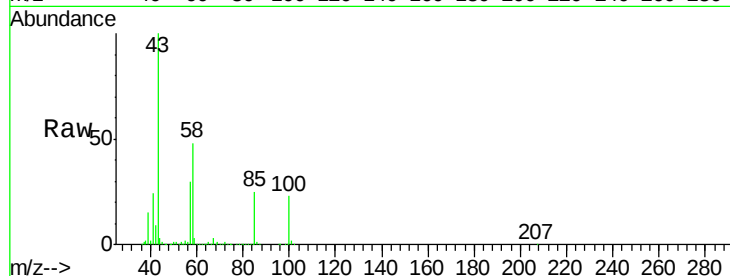
58 47.0 37.4 56.0

Manual Integrations

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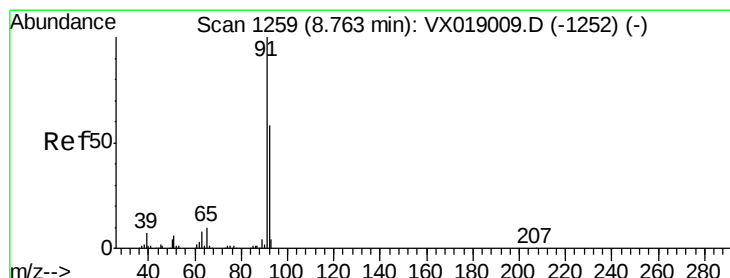
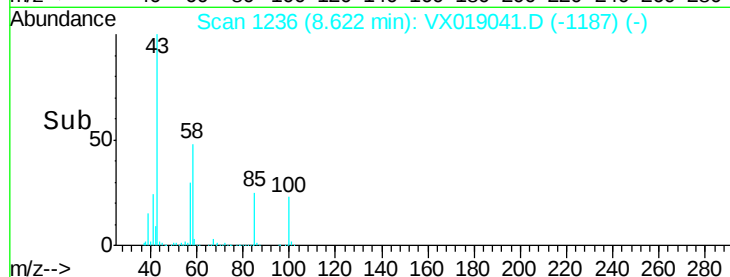
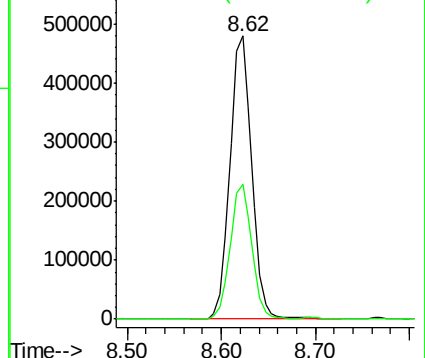
MMDadoda

10/23/2020 12:05:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.346 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019041.D

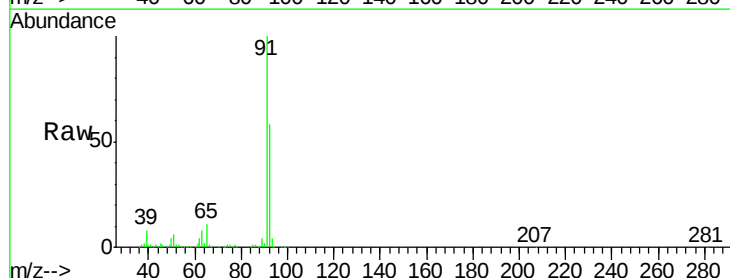
Acq: 22 Oct 2020 20:29

Tgt Ion: 92 Resp: 347350

Ion Ratio Lower Upper

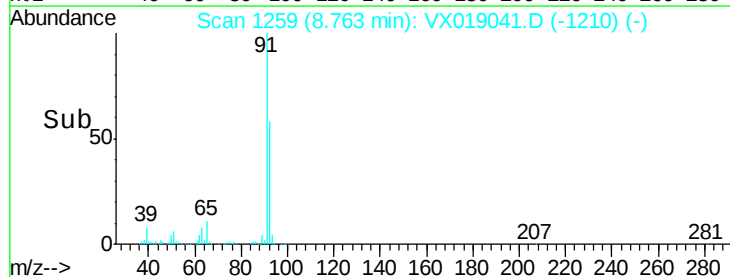
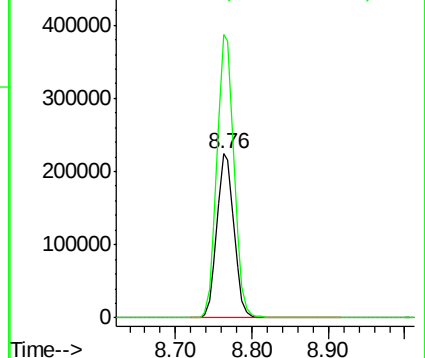
92 100

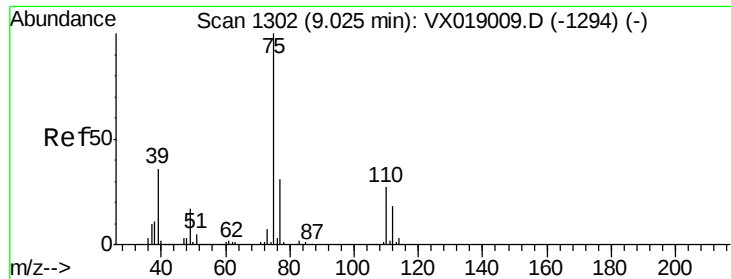
91 172.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





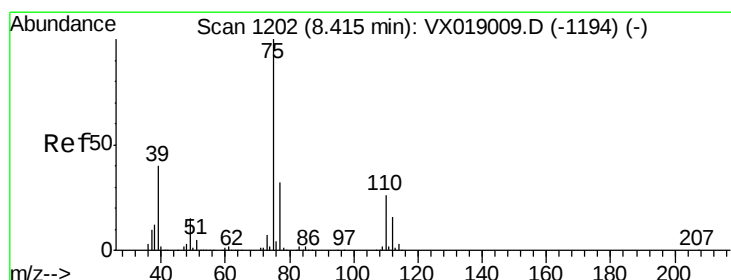
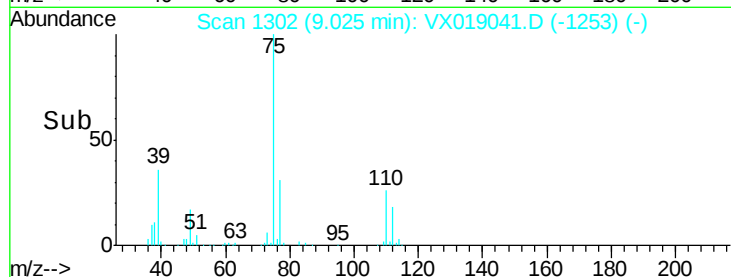
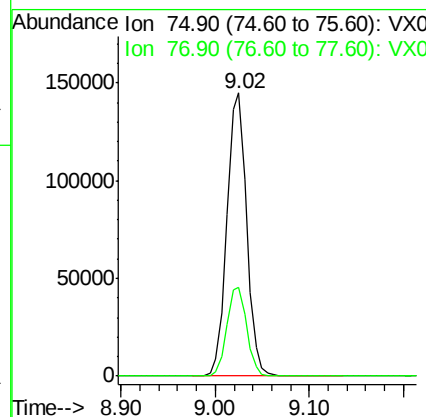
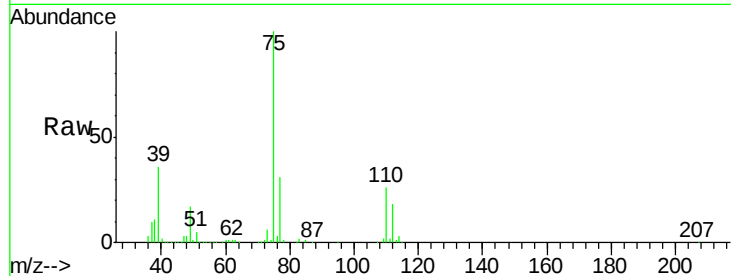
#53
t-1,3-Dichloropropene
Concen: 48.744 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 210140
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7

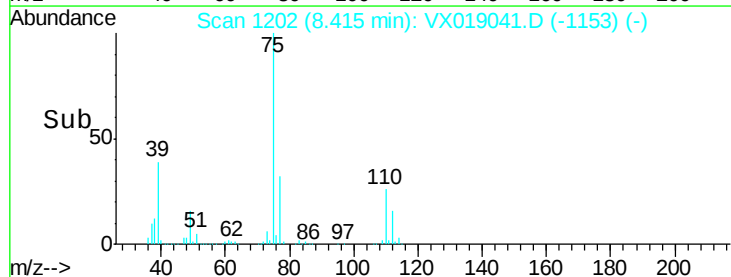
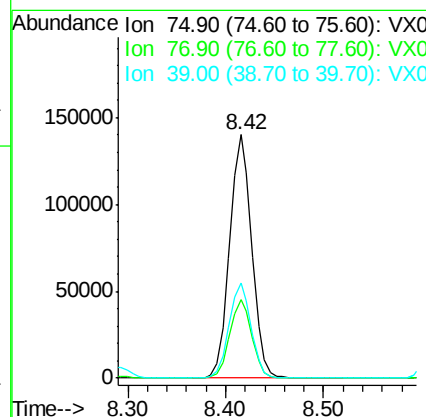
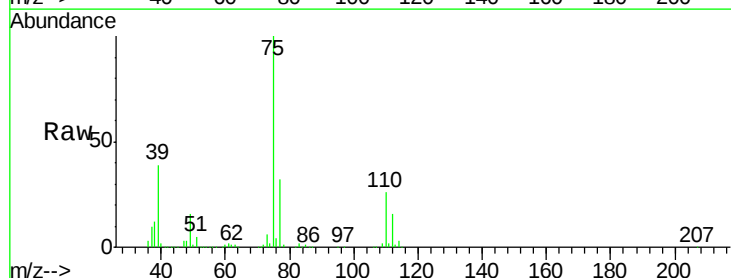
Manual Integrations
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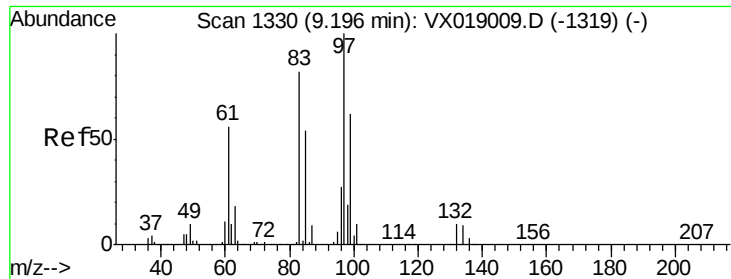
MMDadoda
10/23/2020 12:05:00 PM



#54
cis-1,3-Dichloropropene
Concen: 48.262 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion: 75 Resp: 219713
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9
39 39.3 31.7 47.5





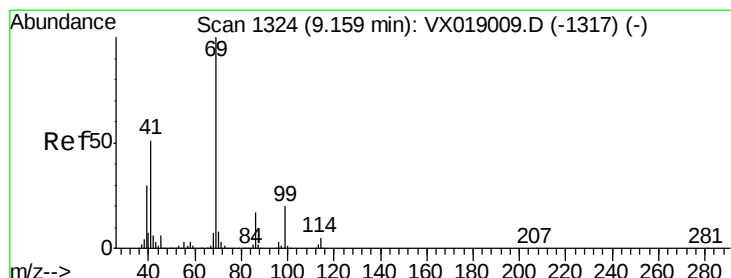
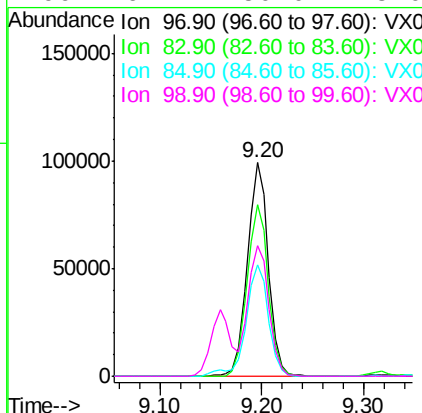
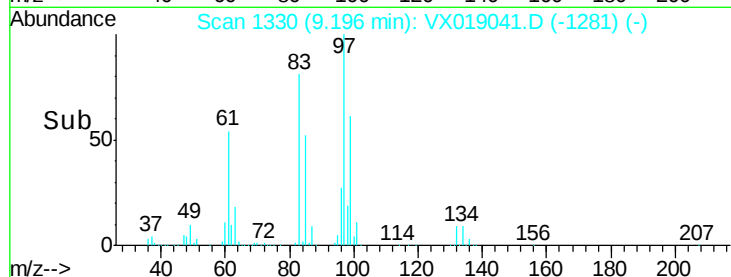
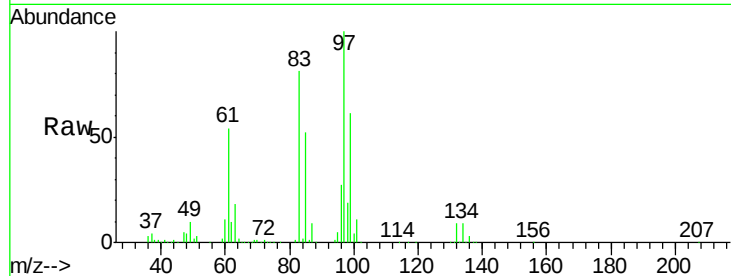
#55
 1,1,2-Trichloroethane
 Concen: 49.515 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		142085		
83	80.5	65.4	98.2		
85	52.4	43.3	64.9		
99	61.4	50.0	75.0		

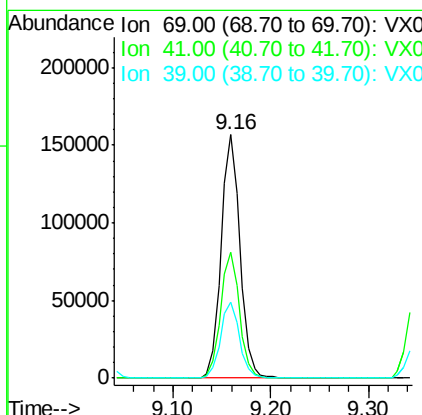
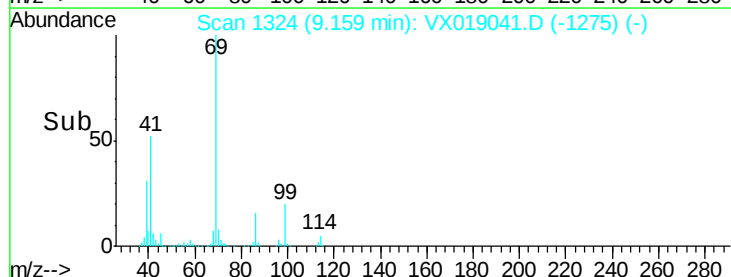
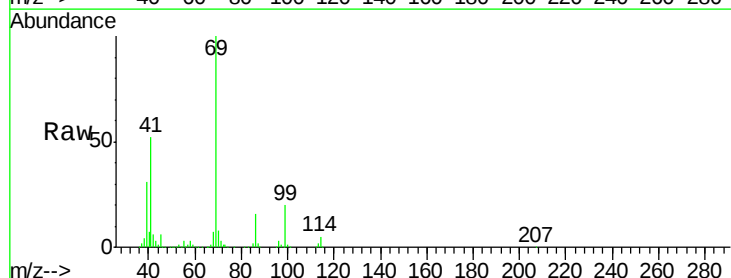
Manual Integrations
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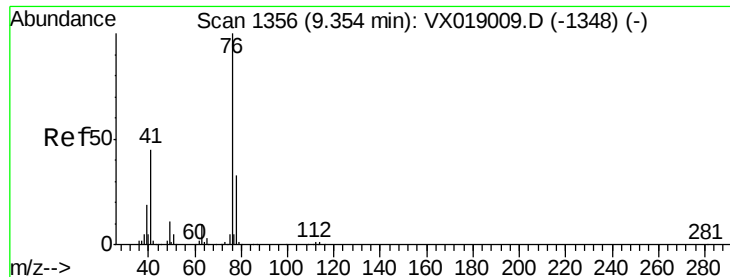
MMDadoda
 10/23/2020 12:05:00 PM



#56
 Ethyl methacrylate
 Concen: 50.562 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		208741		
41	51.5	41.1	61.7		
39	31.3	24.6	37.0		





#57

1,3-Dichloropropane

Concen: 50.349 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 229327

Ion Ratio Lower Upper

76 100

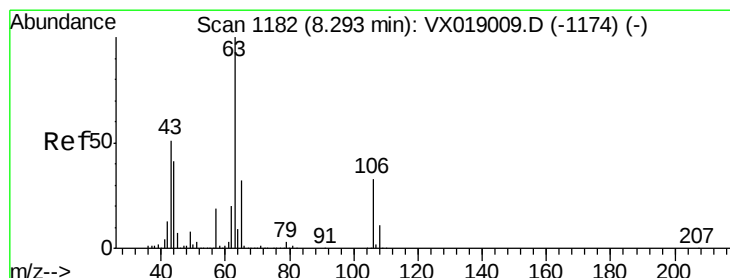
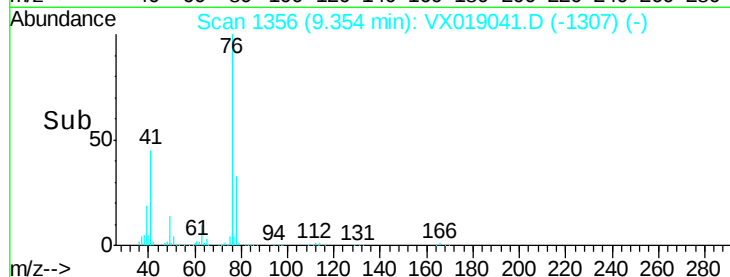
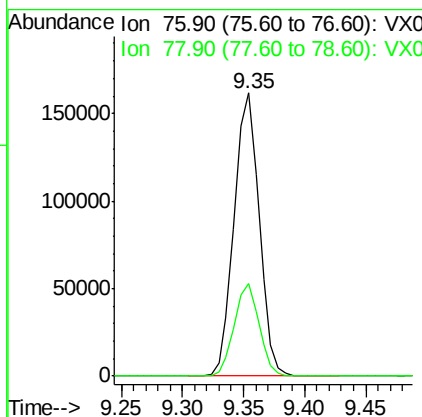
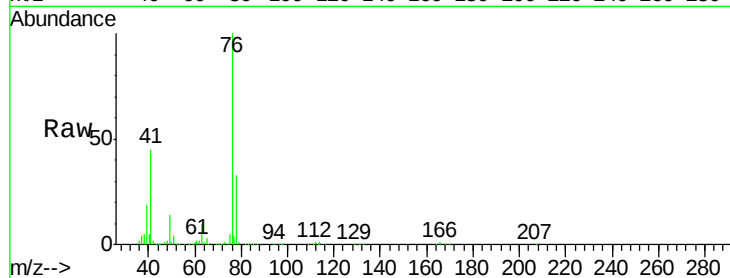
78 32.4 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 244.871 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX019041.D

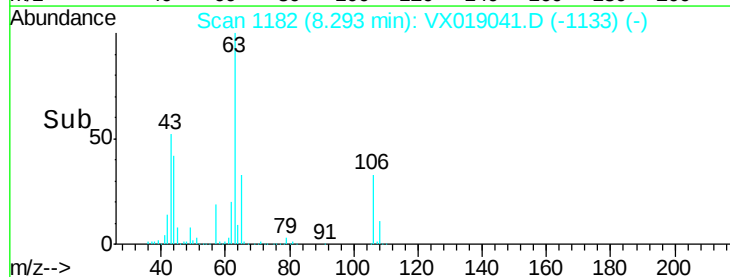
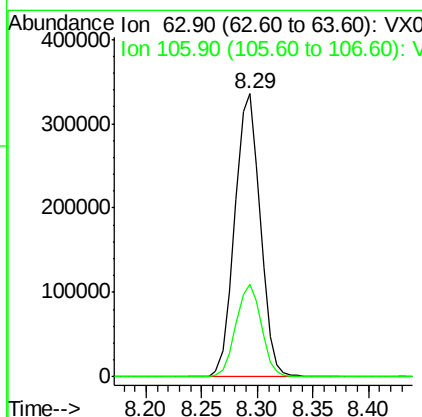
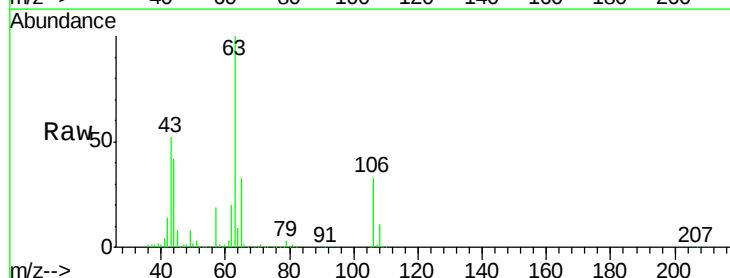
Acq: 22 Oct 2020 20:29

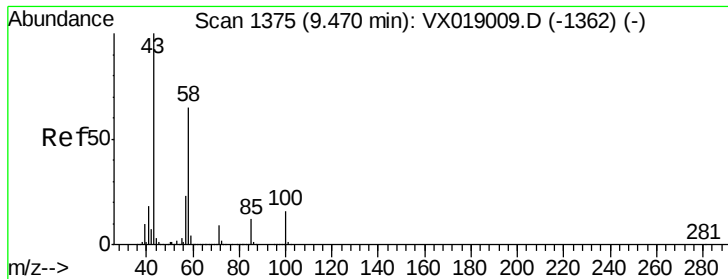
Tgt Ion: 63 Resp: 531054

Ion Ratio Lower Upper

63 100

106 32.6 26.0 39.0





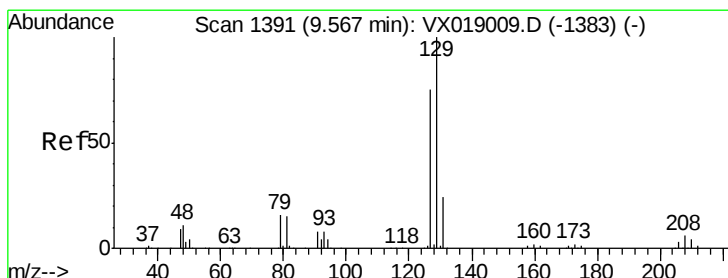
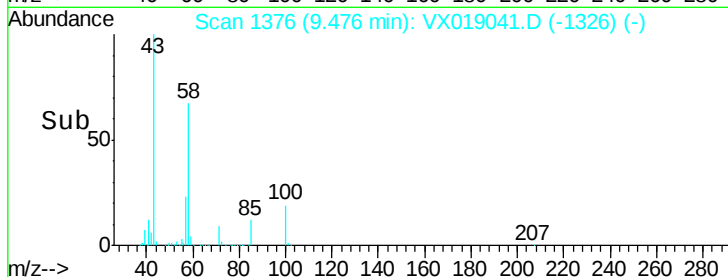
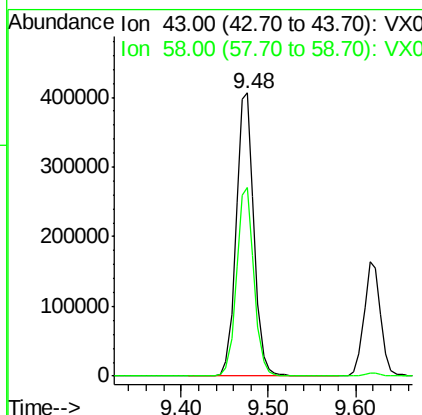
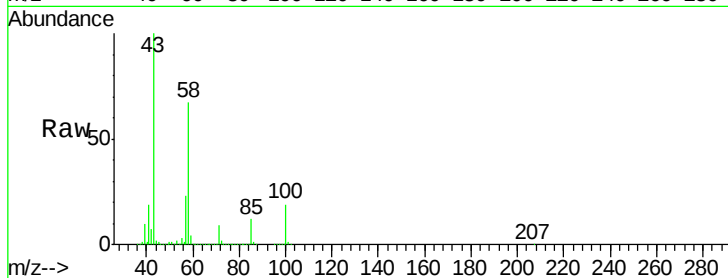
#59
2-Hexanone
Concen: 251.572 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	65.6	32.8	98.4

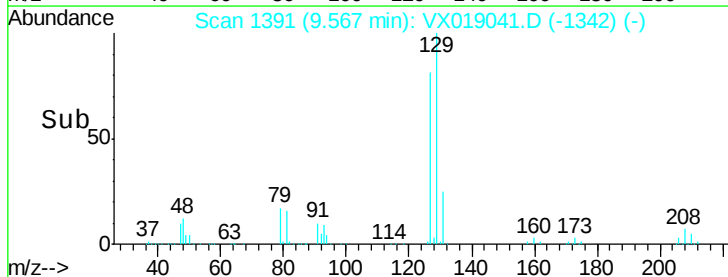
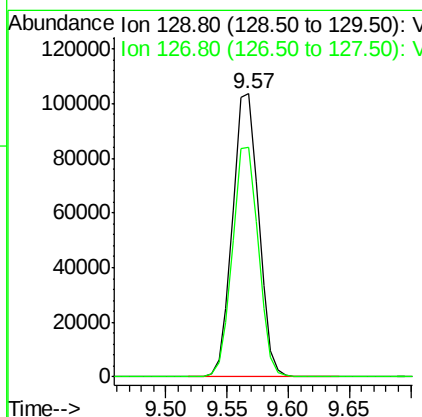
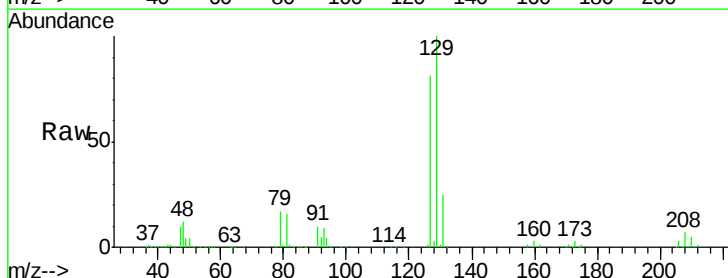
Manual Integrations
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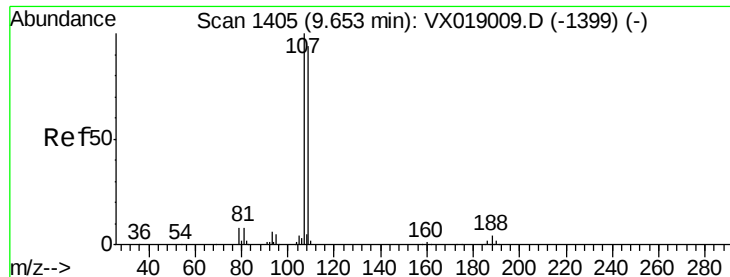
MMDadoda
10/23/2020 12:05:00 PM



#60
Dibromochloromethane
Concen: 48.858 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.7	38.6	115.7





#61

1,2-Dibromoethane

Concen: 49.154 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 150916

Ion Ratio Lower Upper

107 100

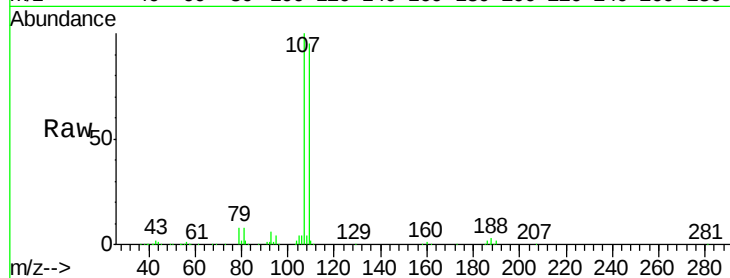
109 95.3 75.0 112.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

120000

100000

80000

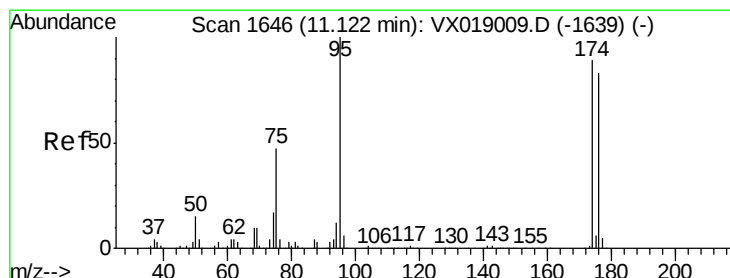
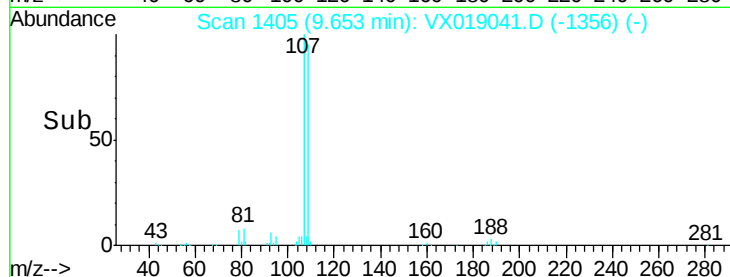
60000

40000

20000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.973 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

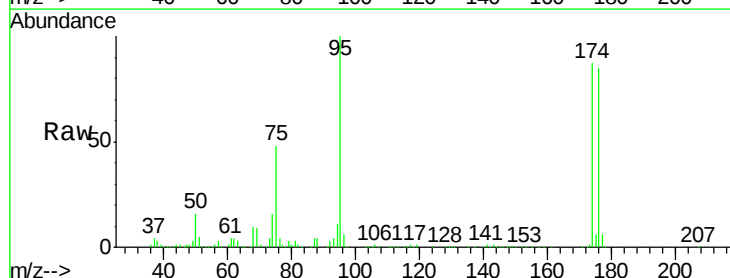
Tgt Ion: 95 Resp: 173199

Ion Ratio Lower Upper

95 100

174 84.5 0.0 167.6

176 82.3 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

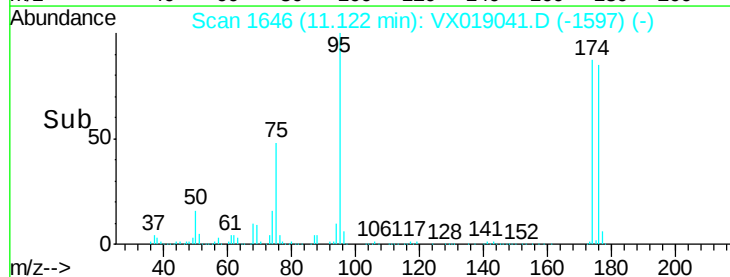
150000

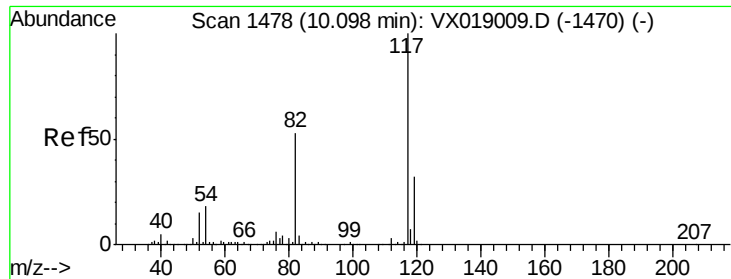
100000

50000

0

Time--> 11.10 11.20





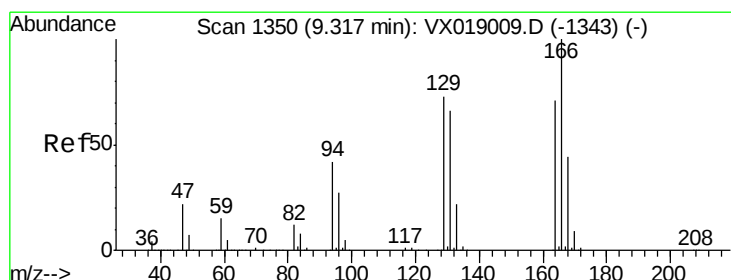
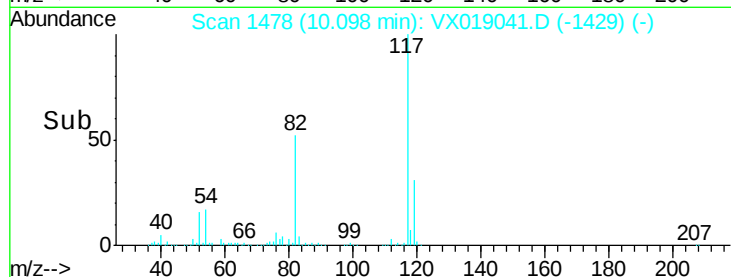
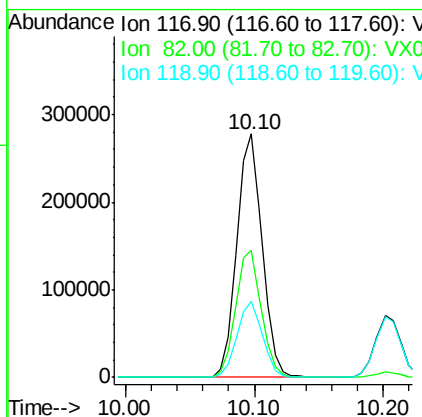
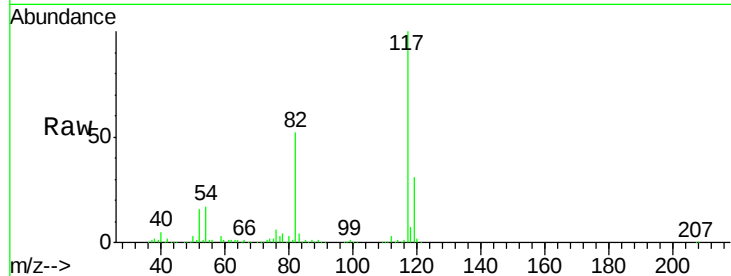
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378256		
82	52.4		42.4	63.6
119	31.4		25.6	38.4

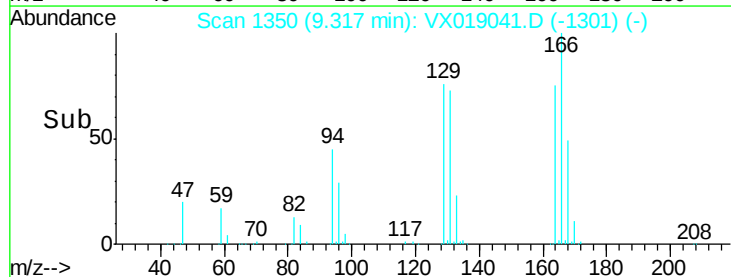
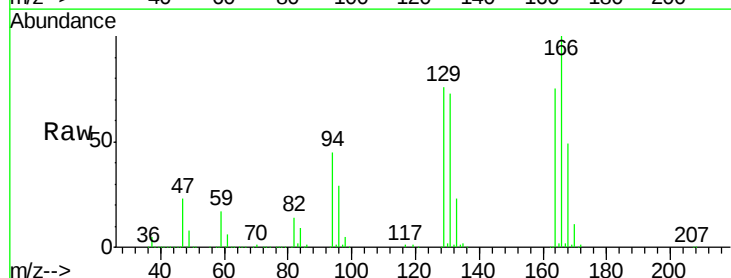
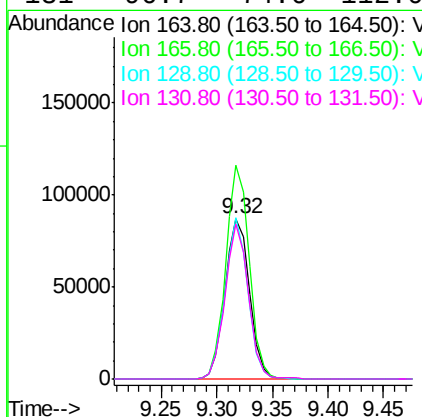
Manual Integrations
APPROVED

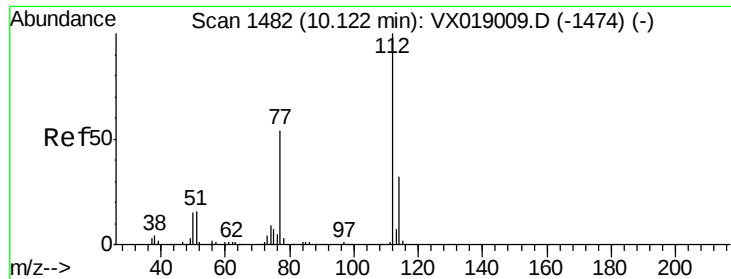
MMDadoda
10/23/2020 12:05:00 PM



#64
Tetrachloroethene
Concen: 45.912 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132221		
166	133.2		112.2	168.4
129	100.9		81.8	122.8
131	96.7		74.6	112.0





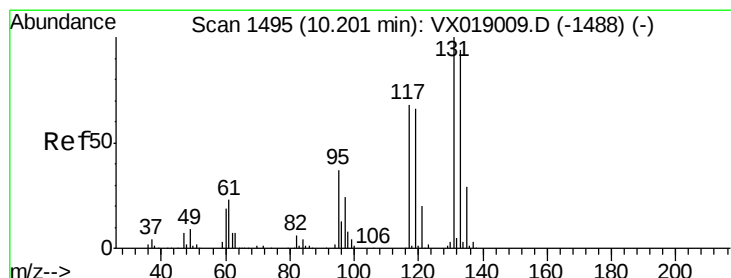
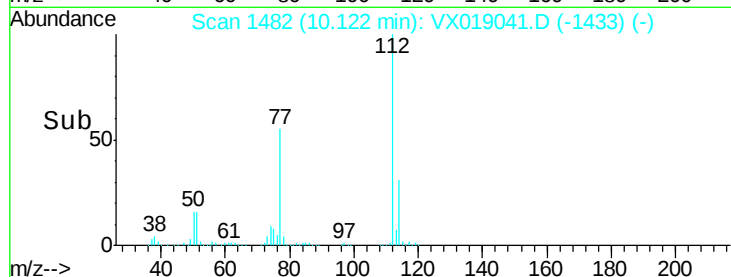
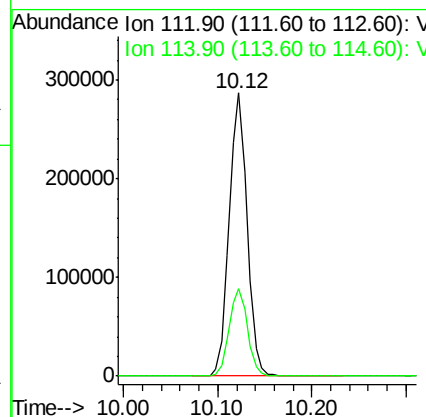
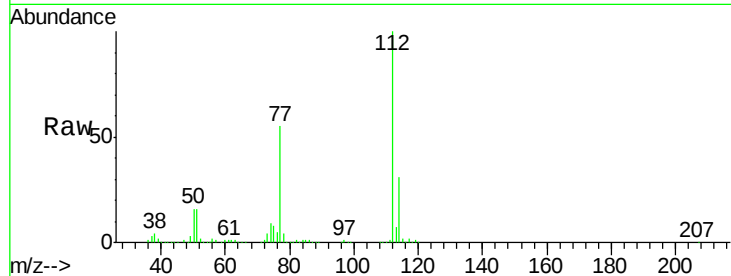
#65
Chlorobenzene
Concen: 47.808 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	379322		
114	31.1	25.5	38.3	

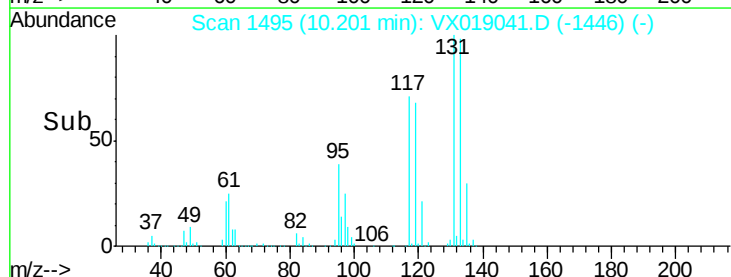
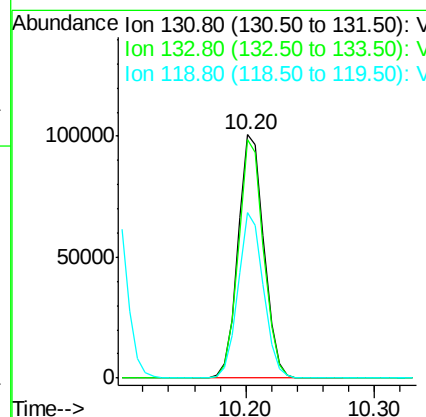
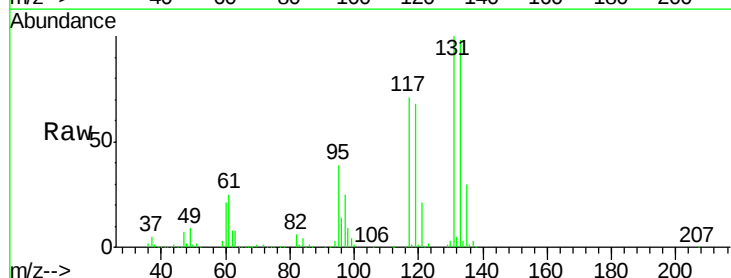
Manual Integrations
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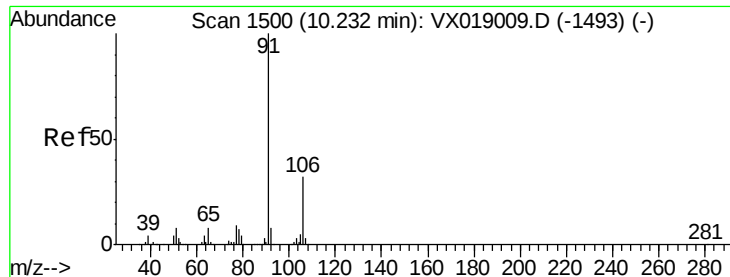
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.854 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	140633		
133	95.5	47.0	141.2	
119	66.8	32.9	98.7	





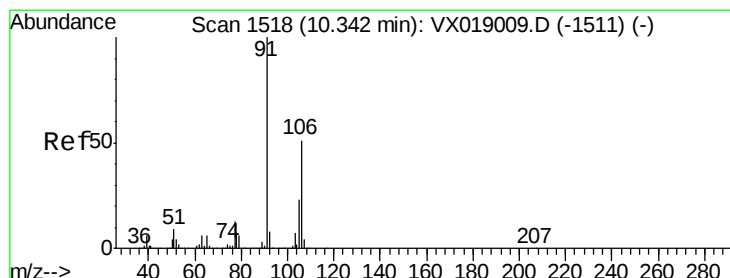
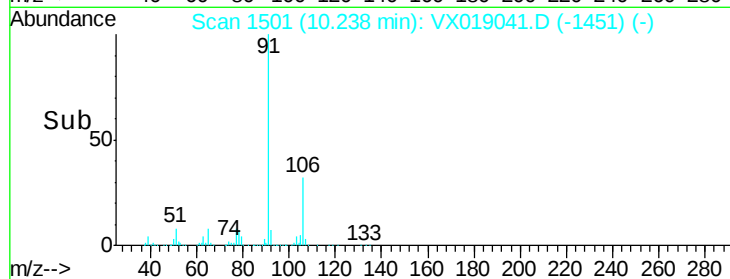
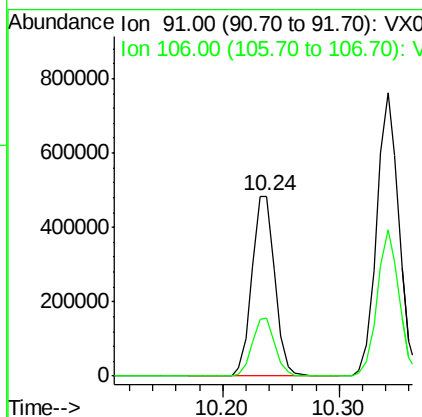
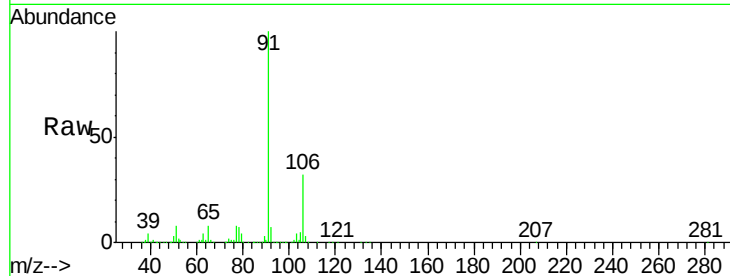
#67
Ethyl Benzene
Concen: 48.809 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 667537
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9

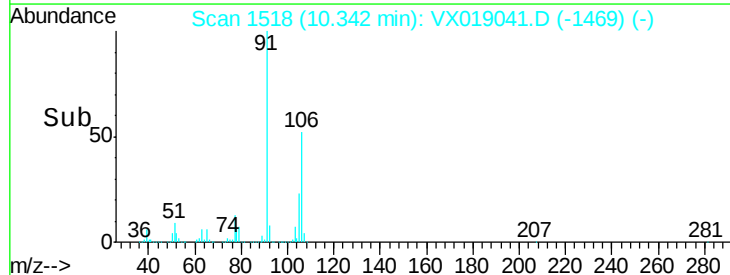
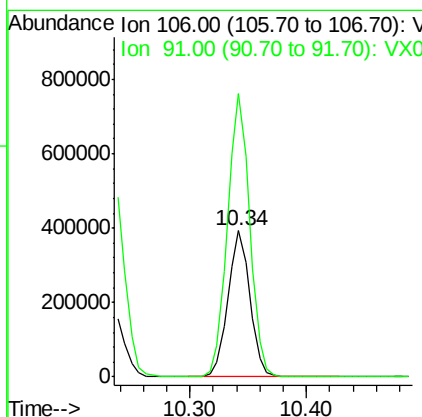
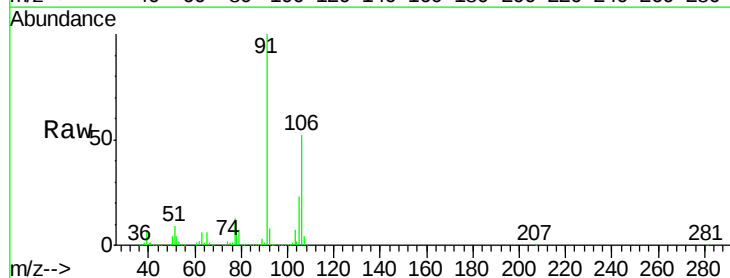
Manual Integrations
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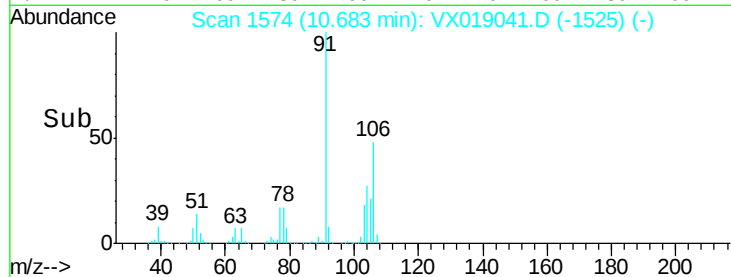
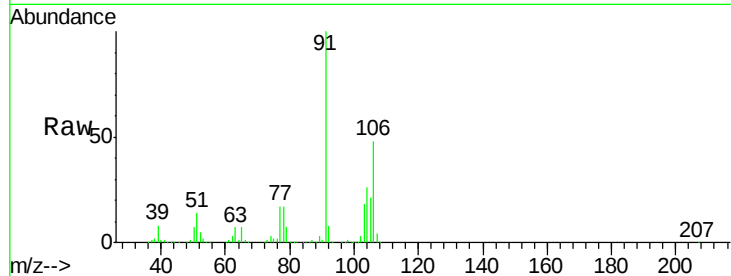
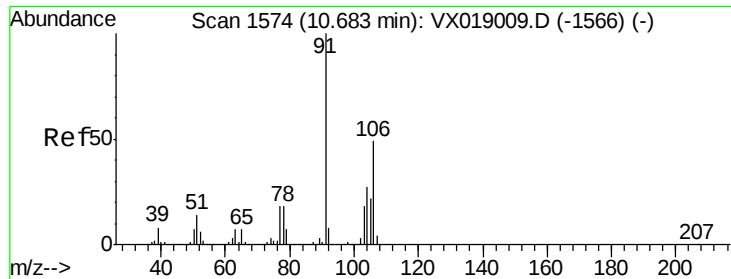
MMDadoda
10/23/2020 12:05:00 PM



#68
m/p-Xylenes
Concen: 98.339 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion: 106 Resp: 515198
Ion Ratio Lower Upper
106 100
91 195.9 156.9 235.3





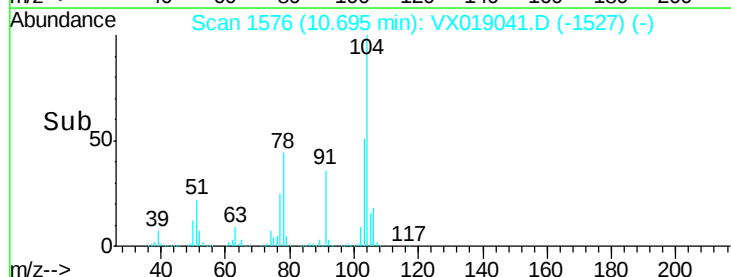
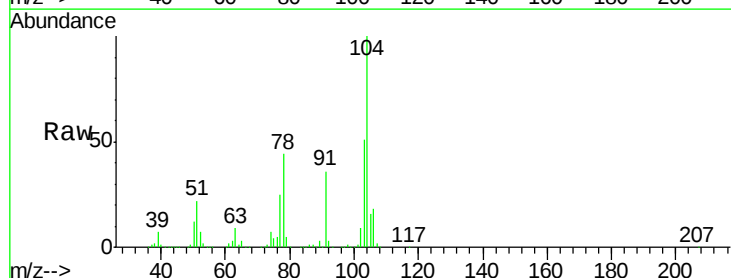
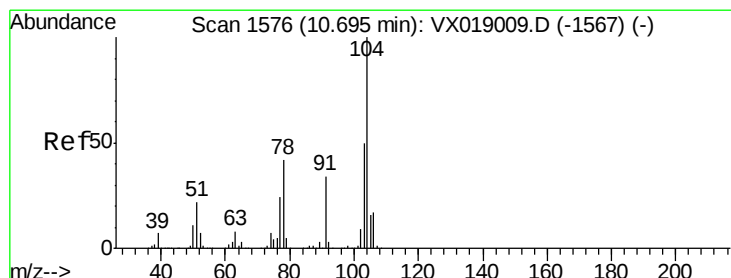
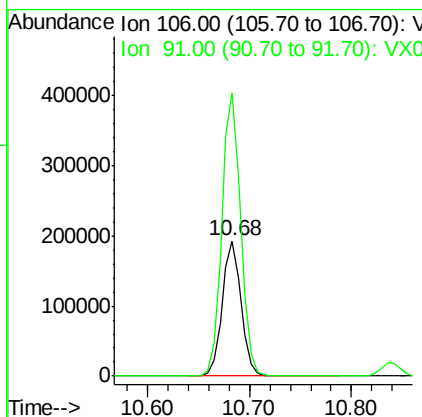
#69
o-Xylene
Concen: 49.283 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tot Ion:106 Resp: 247108
Ion Ratio Lower Upper
106 100
91 209.4 104.0 312.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

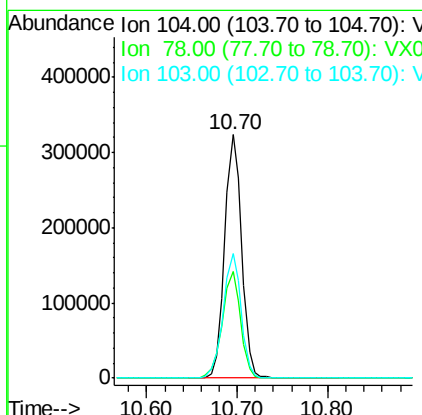
Manual Integrations
APPROVED

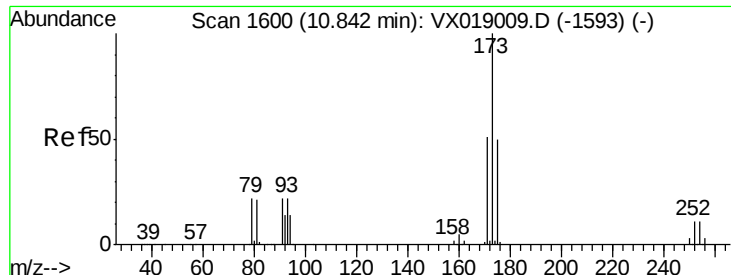
MMDadoda
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#70
Styrene
Concen: 49.593 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion:104 Resp: 422182
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 54.5 43.5 65.3





#71

Bromoform

Concen: 49.413 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 112523

Ion Ratio Lower Upper

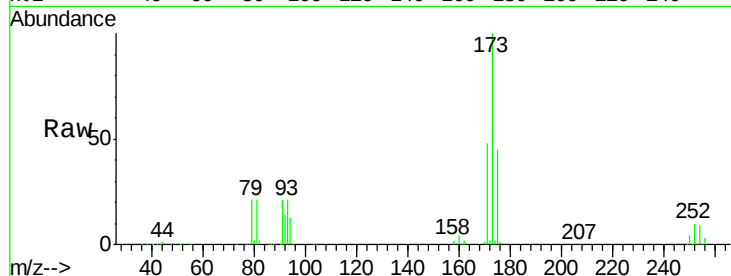
173 100

175 48.6 24.1 72.4

254 0.2 0.1 0.1#

Manual Integrations
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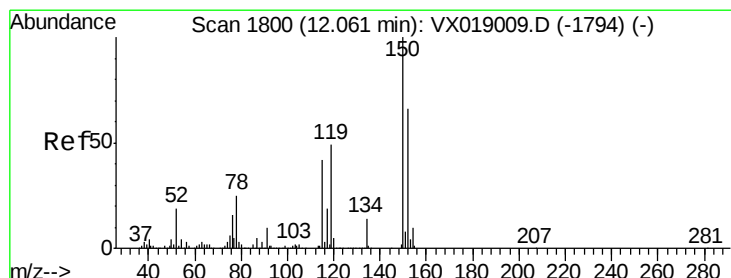
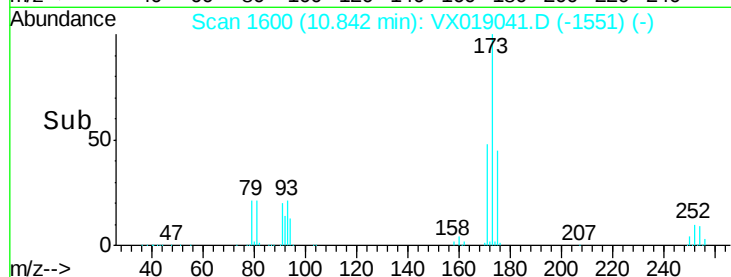
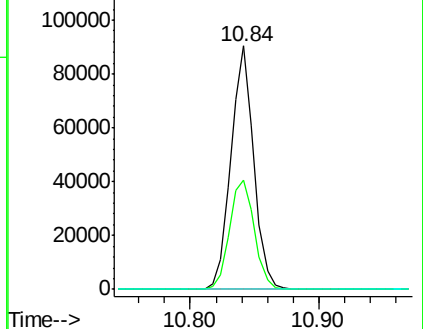
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX019041.D

Acq: 22 Oct 2020 20:29

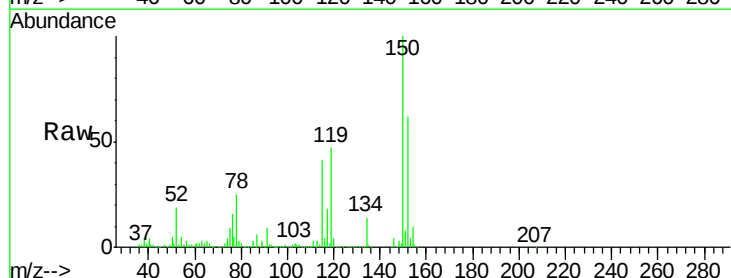
Tgt Ion:152 Resp: 192454

Ion Ratio Lower Upper

152 100

115 80.4 40.8 122.5

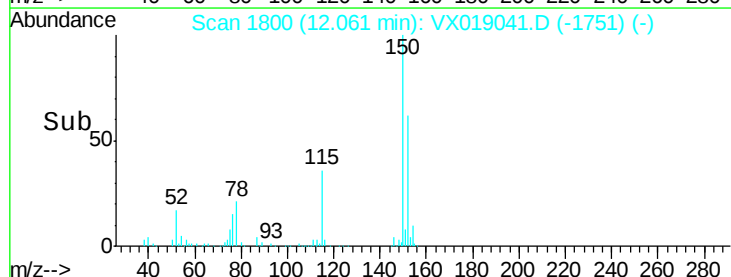
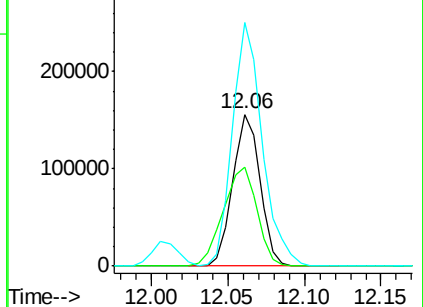
150 176.4 0.0 345.6

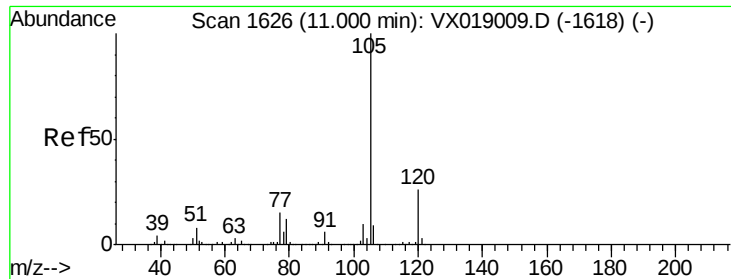


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.330 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 655268

Ion Ratio Lower Upper

105 100

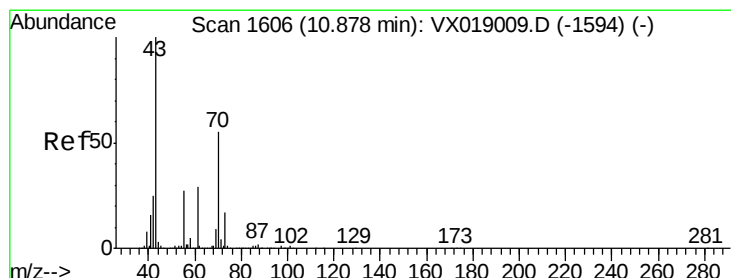
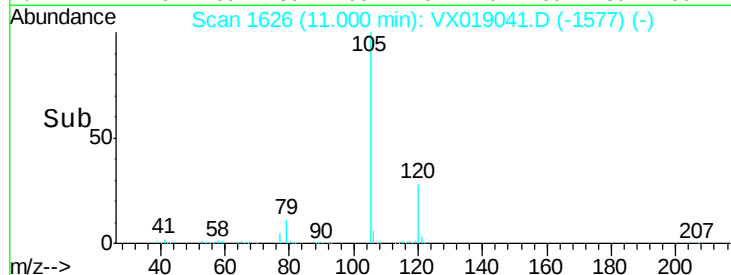
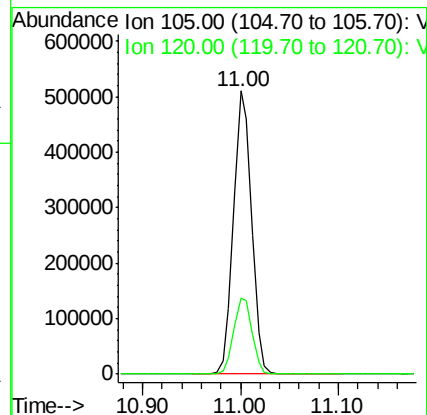
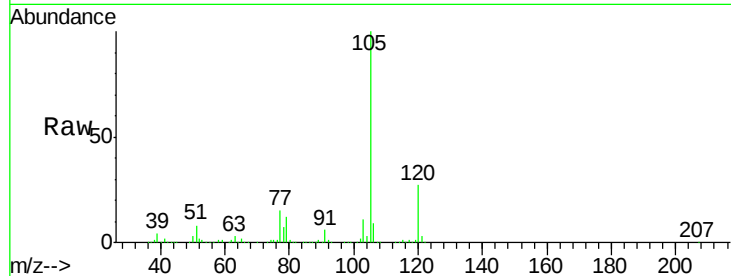
120 27.5 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.501 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion: 43 Resp: 219578

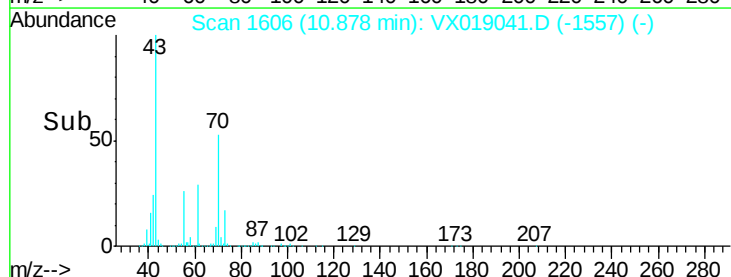
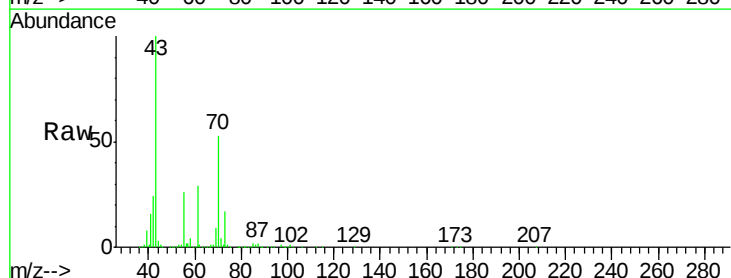
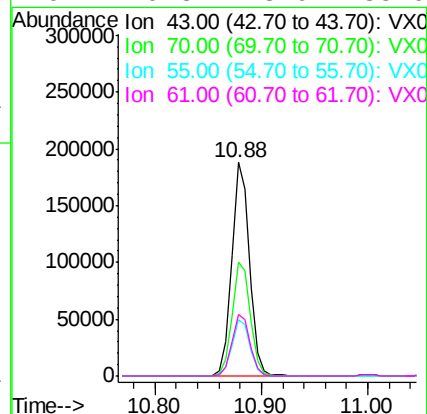
Ion Ratio Lower Upper

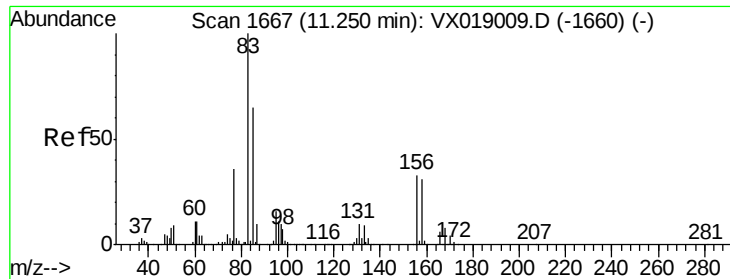
43 100

70 54.4 44.5 66.7

55 26.9 21.9 32.9

61 29.3 23.9 35.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.163 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

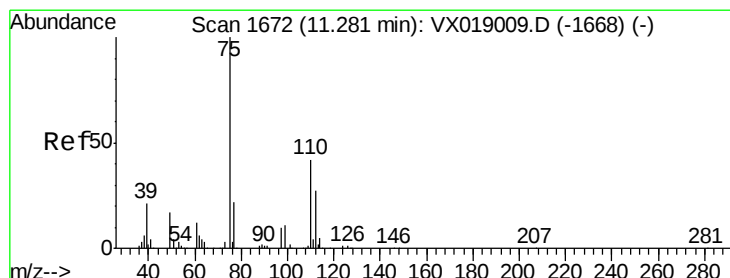
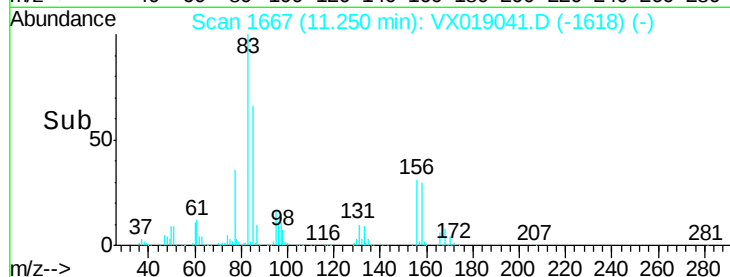
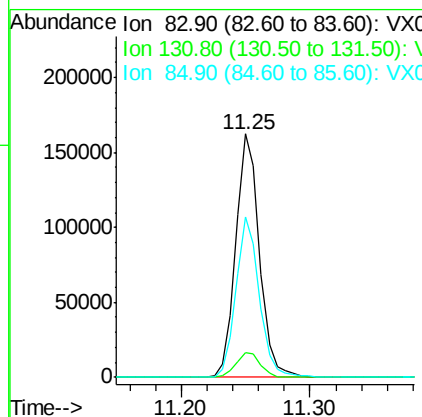
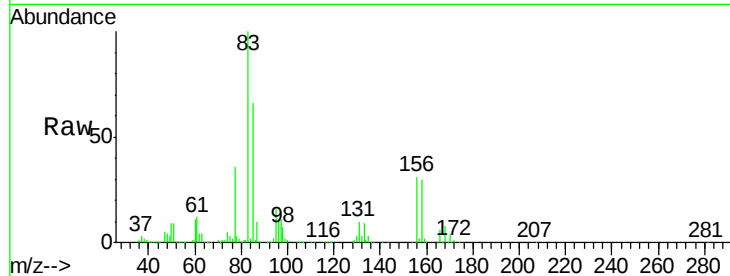
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	209219
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	65.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.148 ug/l m

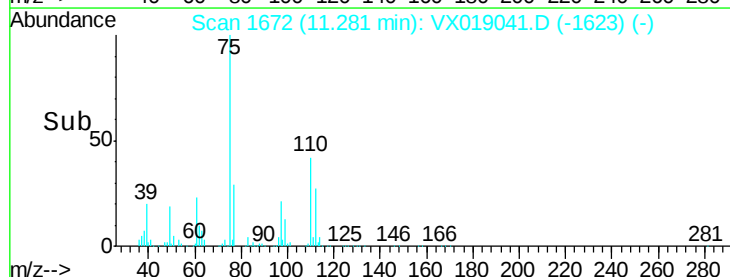
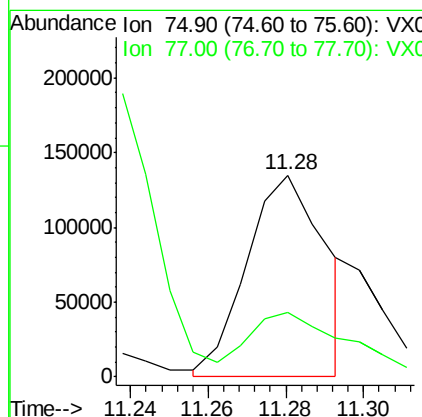
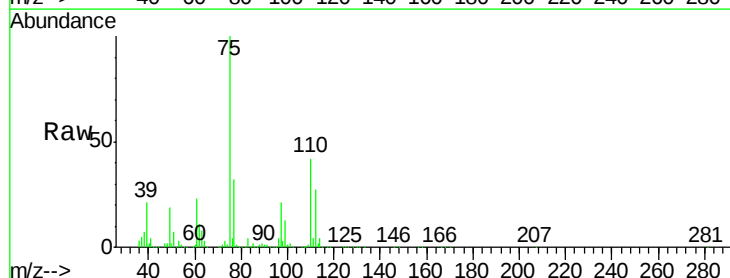
RT: 11.28 min Scan# 1672

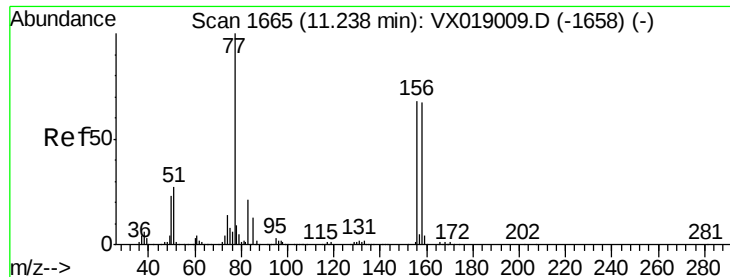
Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion:	75	Resp:	189054
Ion Ratio	Lower	Upper	
75	100		
77	40.9	20.7	62.1





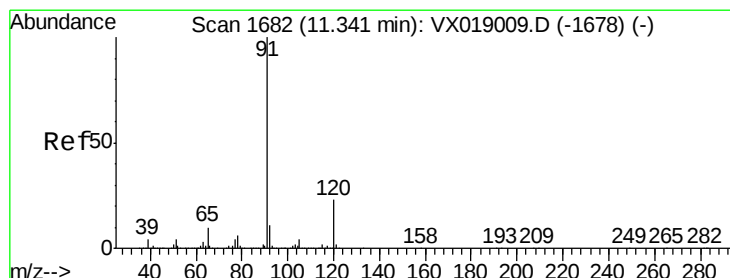
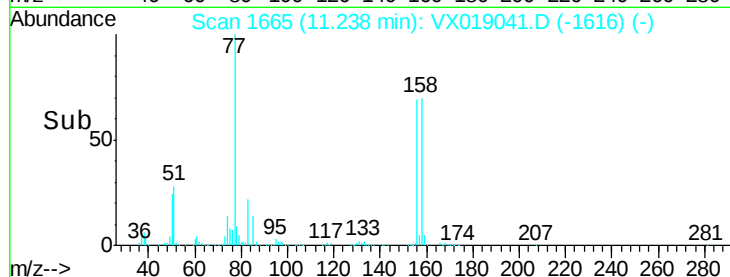
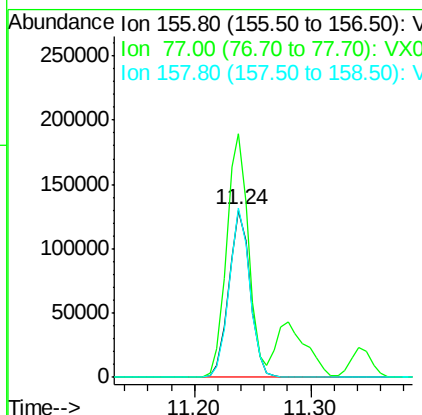
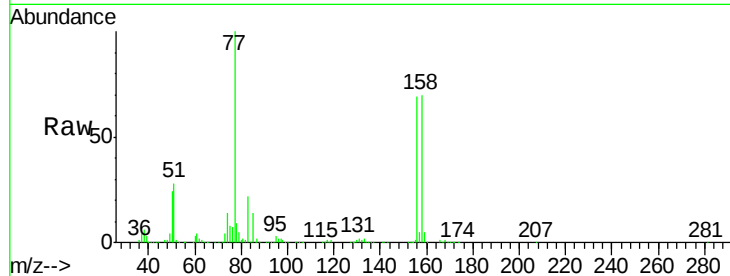
#77
Bromobenzene
Concen: 47.040 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.0	74.4	223.1
158	99.0	48.8	146.3

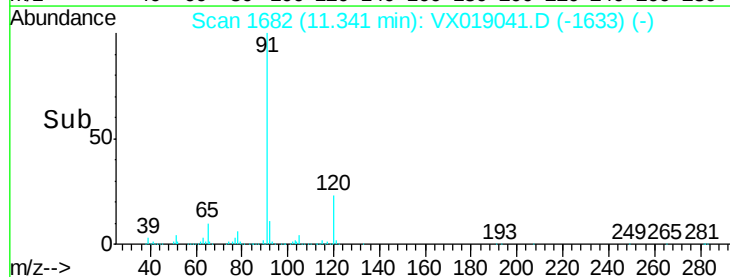
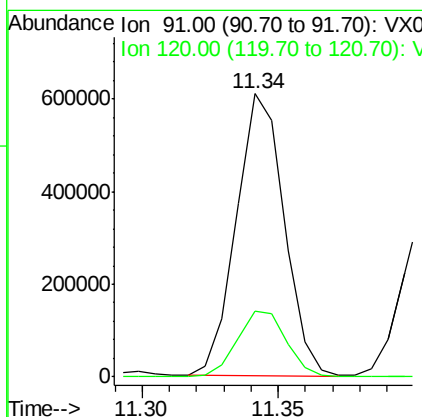
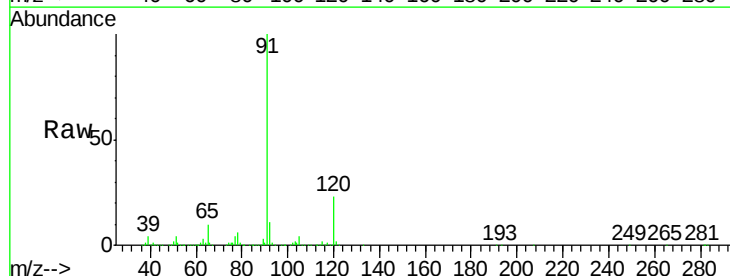
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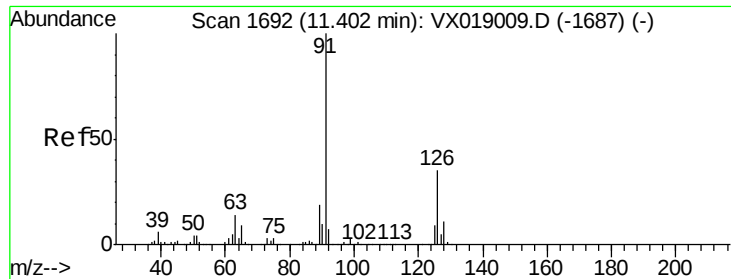
MMDadoda
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#78
n-propylbenzene
Concen: 47.255 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.1	36.3





#79

2-Chlorotoluene

Concen: 47.849 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 437912

Ion Ratio Lower Upper

91 100

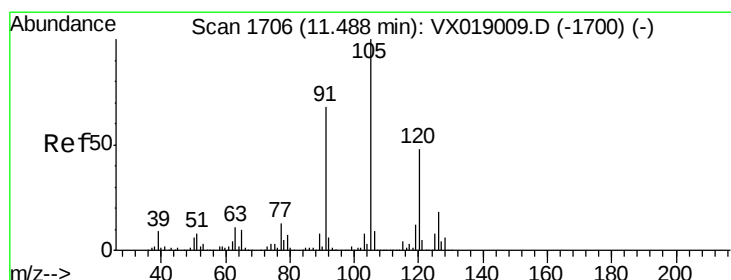
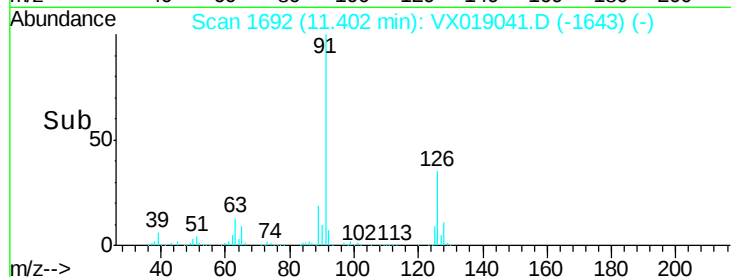
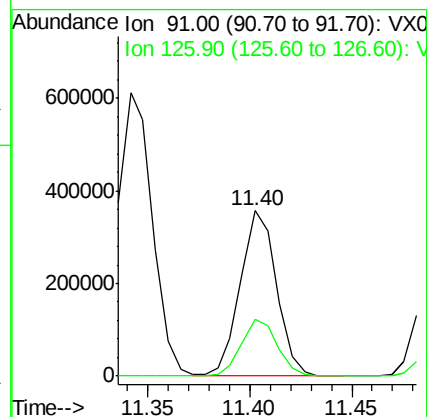
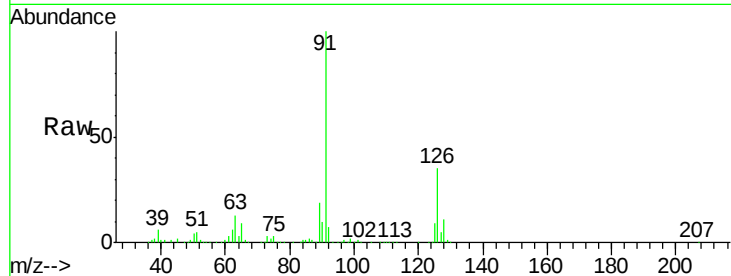
126 34.7 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 47.962 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019041.D

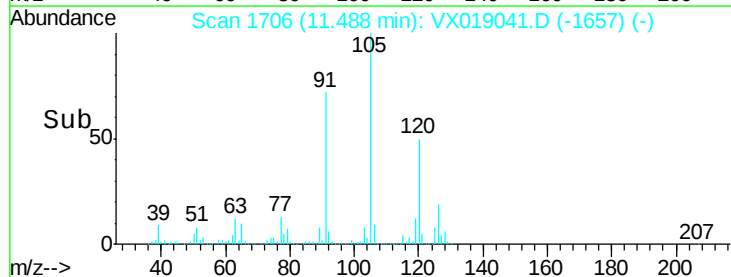
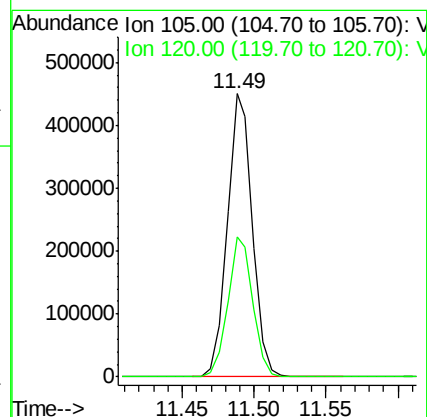
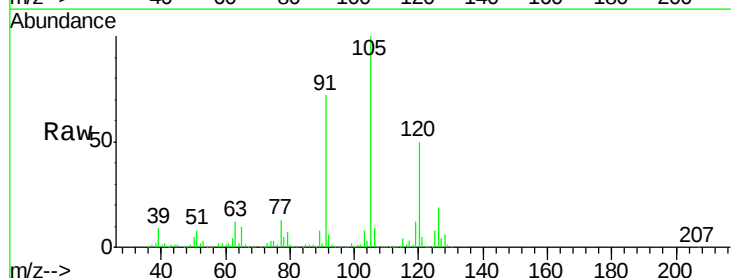
Acq: 22 Oct 2020 20:29

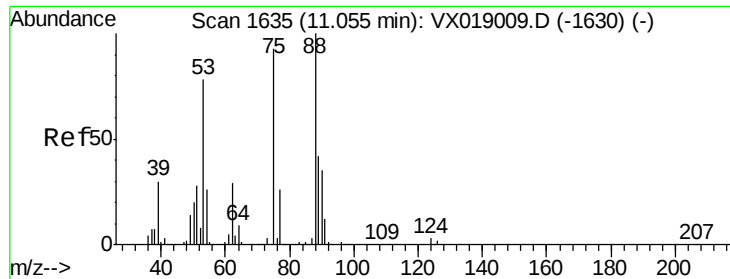
Tgt Ion: 105 Resp: 548343

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6





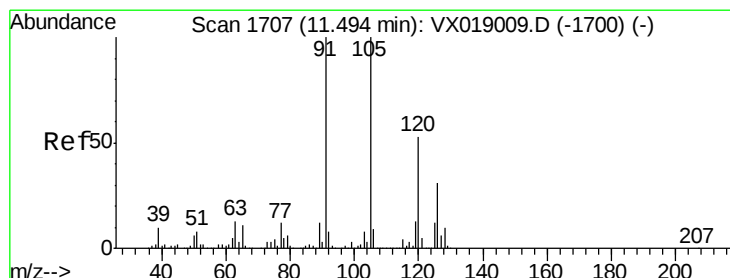
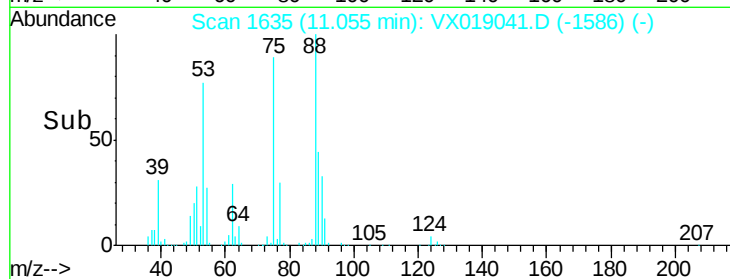
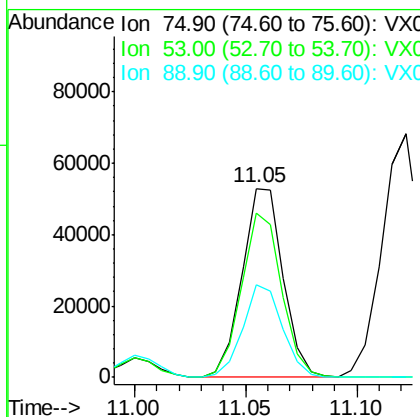
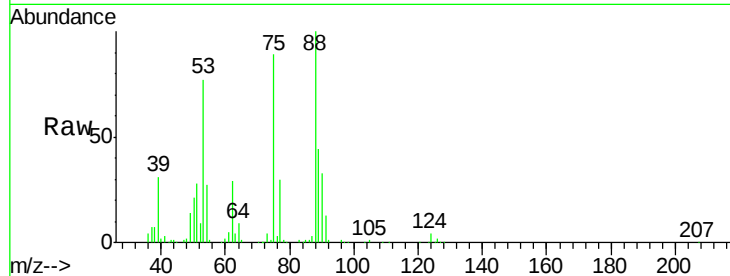
#81
trans-1,4-Dichloro-2-butene
Concen: 44.608 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	67.4	101.2
89	48.0	37.2	55.8

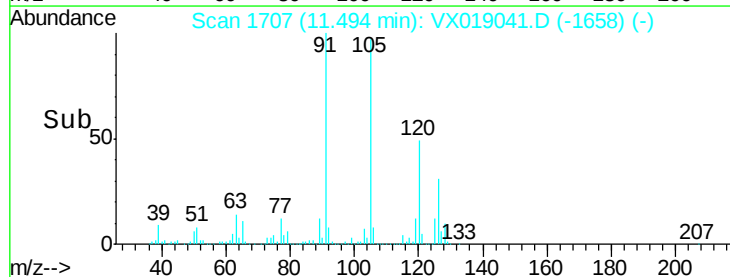
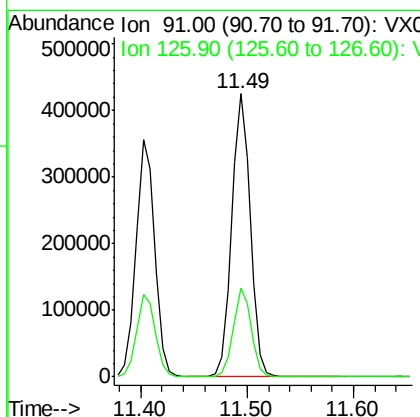
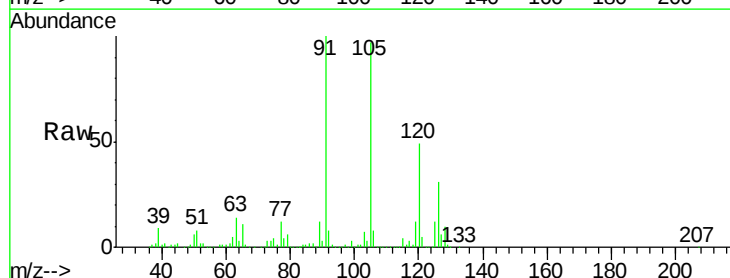
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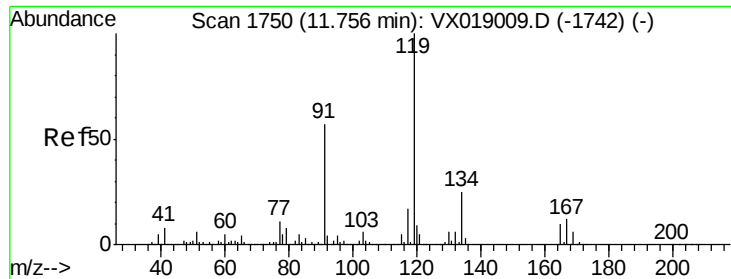
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#82
4-Chlorotoluene
Concen: 47.892 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.6	46.7





#83

tert-Butylbenzene

Concen: 47.848 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

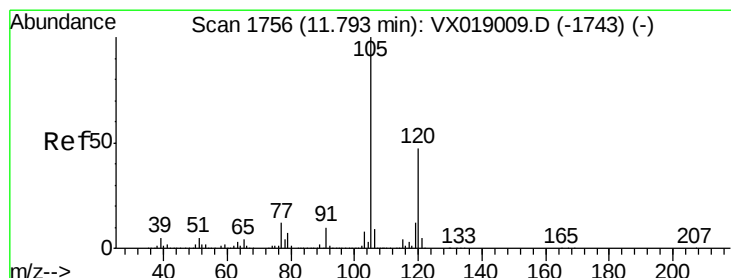
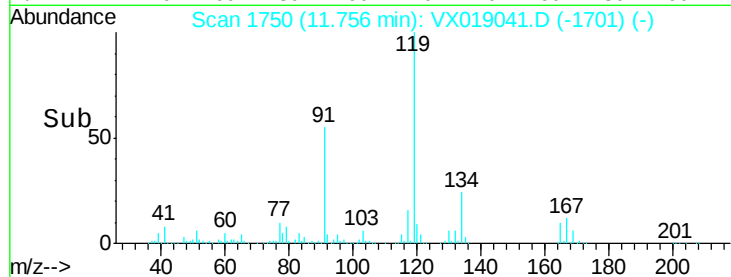
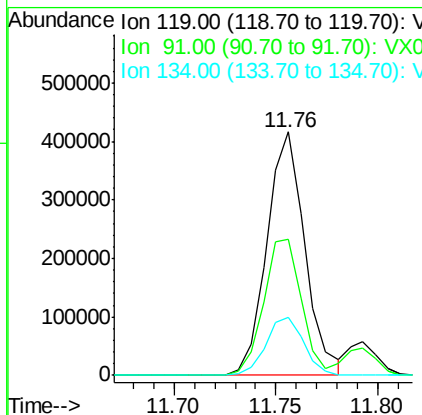
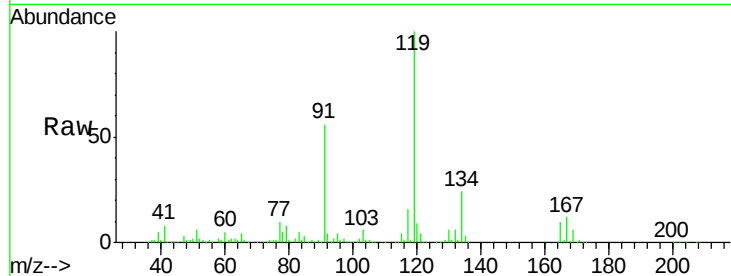
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	538892
Ion Ratio	Lower	Upper	
119	100		
91	55.6	28.1	84.4
134	23.7	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.163 ug/l

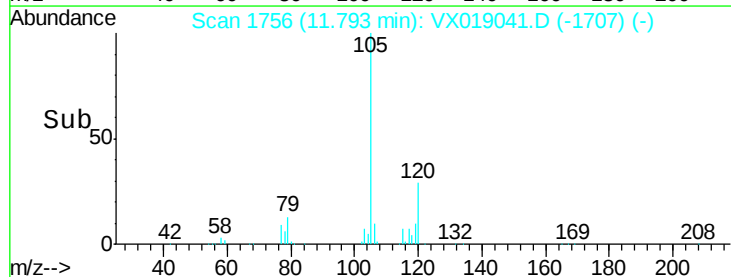
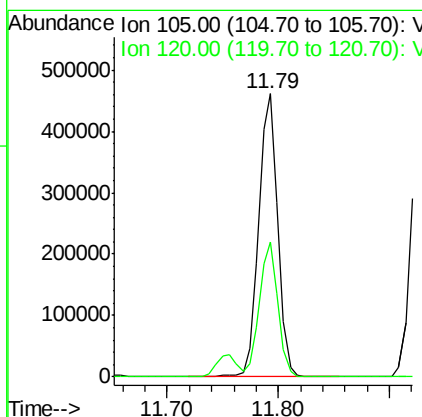
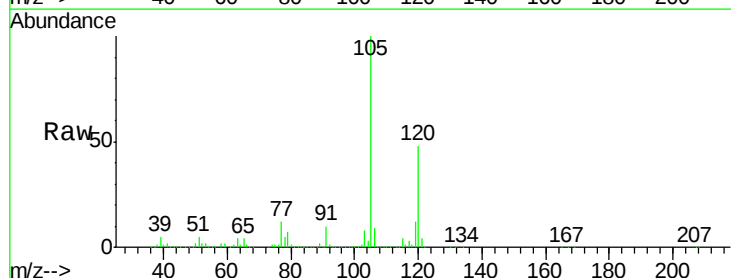
RT: 11.79 min Scan# 1756

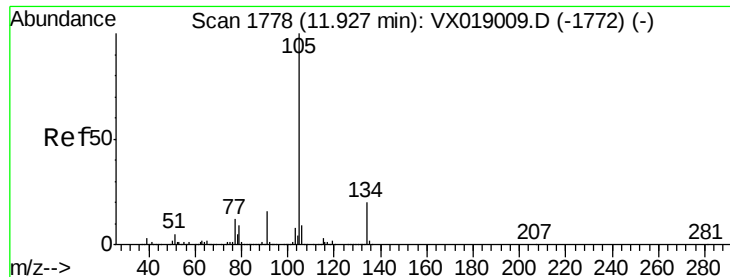
Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion:	105	Resp:	551381
Ion Ratio	Lower	Upper	
105	100		
120	46.5	22.9	68.8





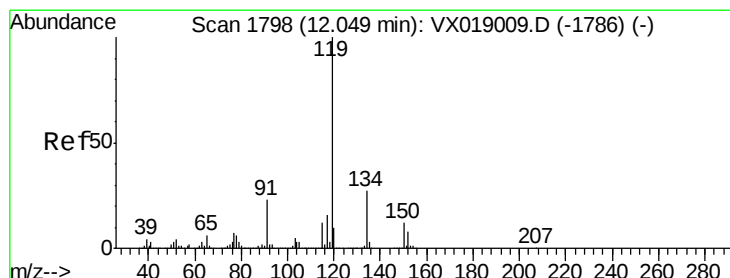
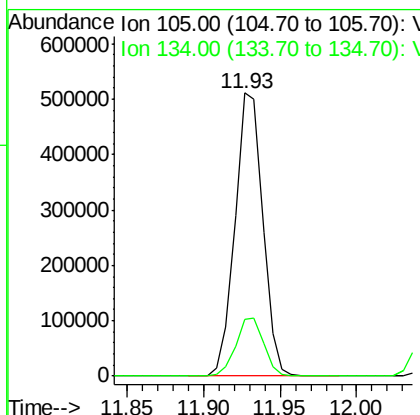
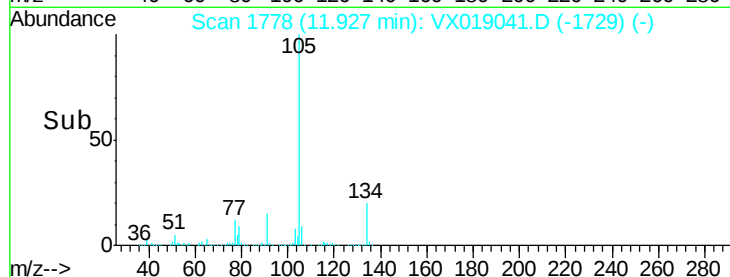
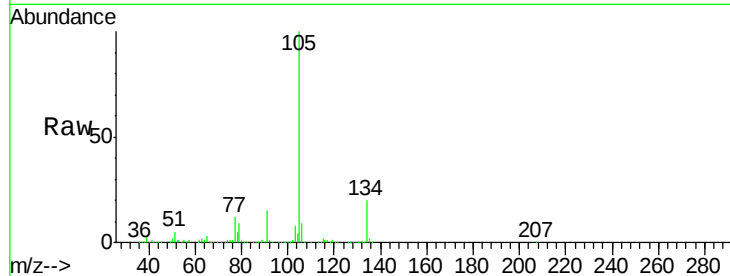
#85
 sec-Butylbenzene
 Concen: 47.286 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.1

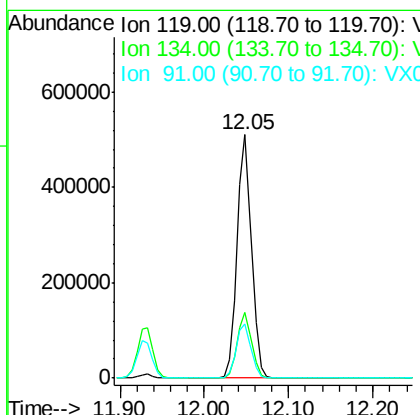
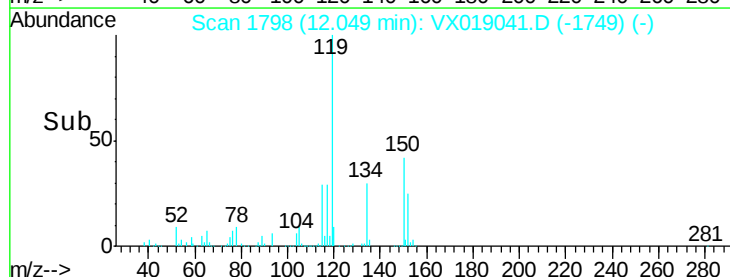
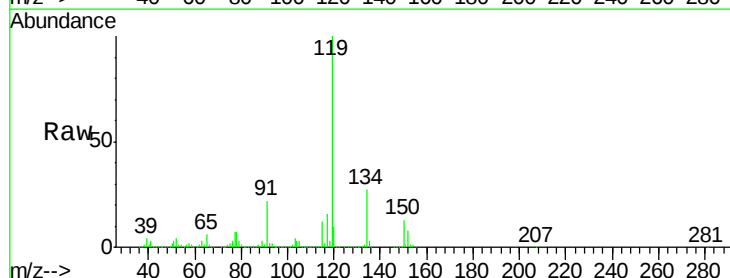
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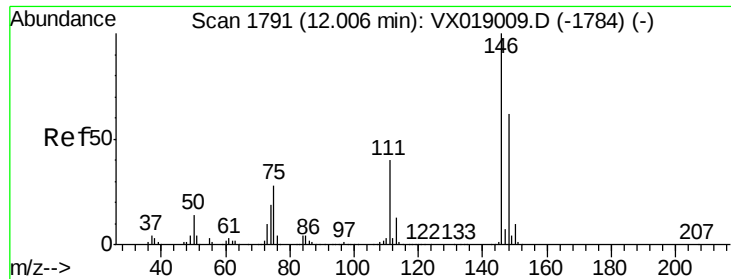
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 47.174 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.3	39.8
91	22.8	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 47.797 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

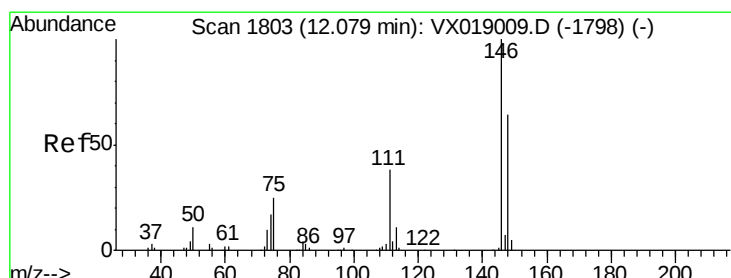
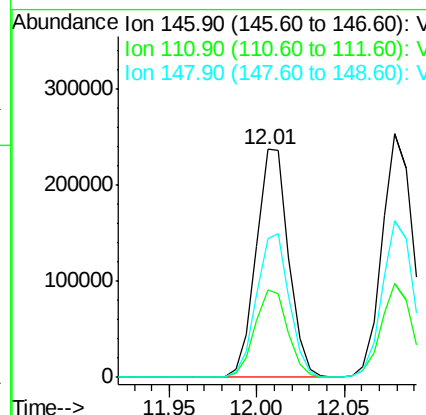
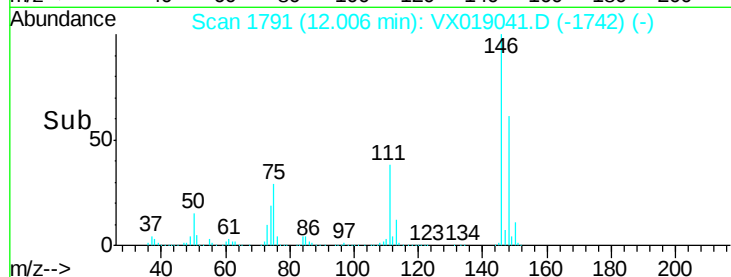
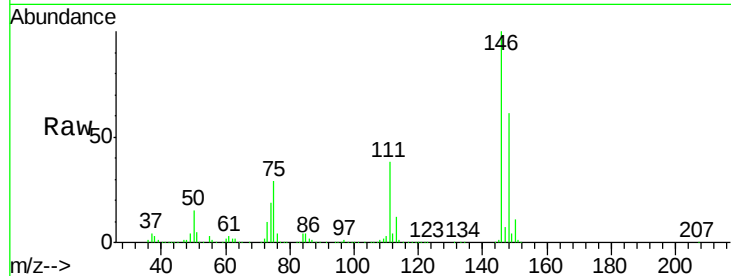
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	306567
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.7	59.1
148	63.3	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.209 ug/l

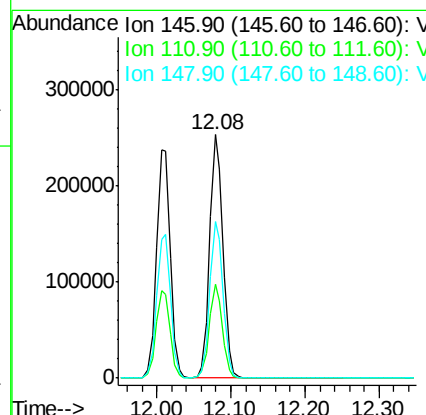
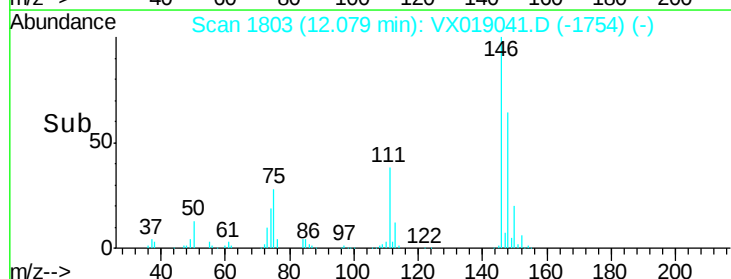
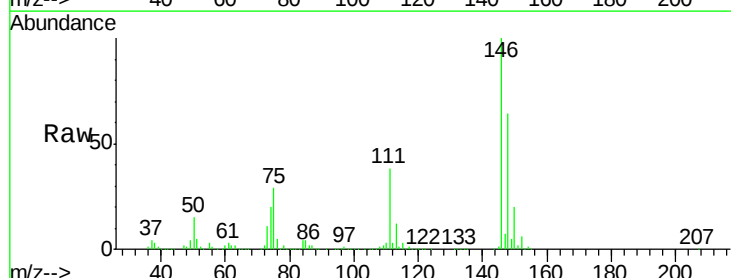
RT: 12.08 min Scan# 1803

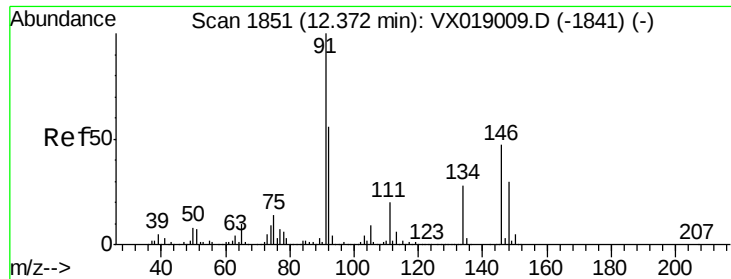
Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Tgt Ion:	146	Resp:	310739
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.4	58.2
148	64.2	32.2	96.6





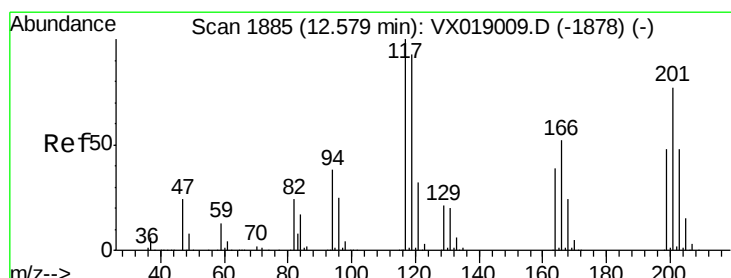
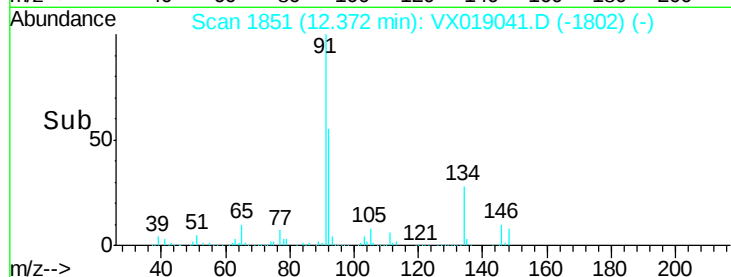
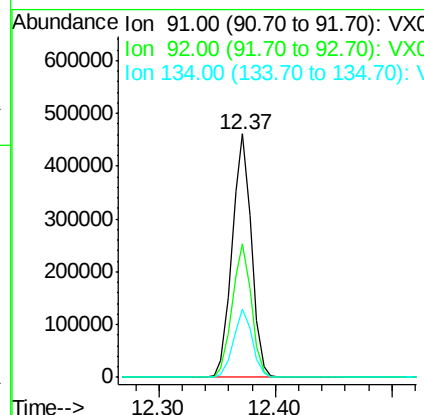
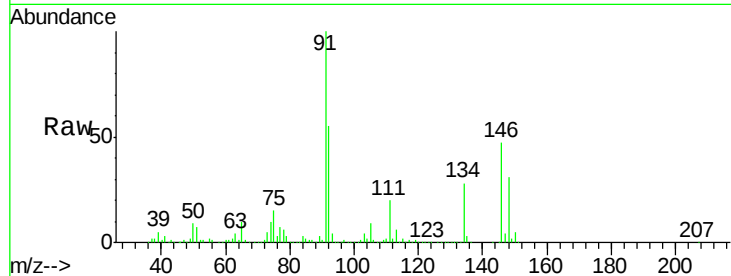
#89
n-Butylbenzene
Concen: 46.278 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.9
134	27.2	13.6	40.7

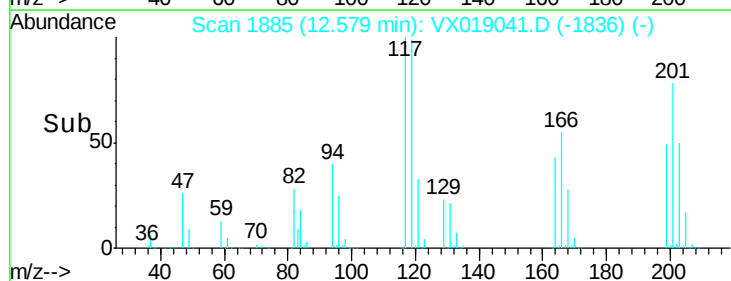
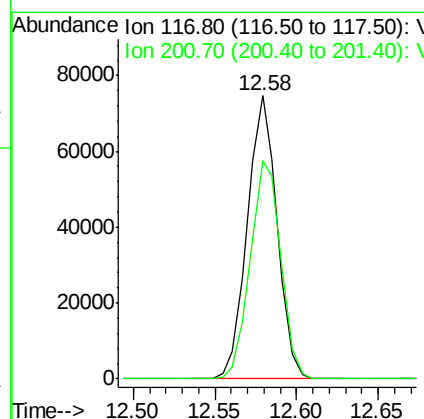
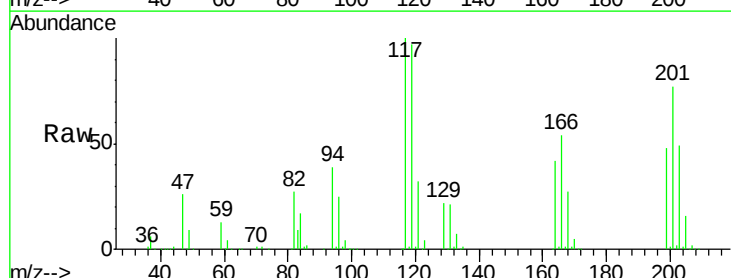
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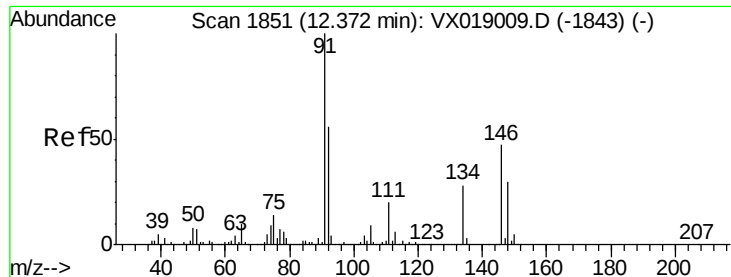
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#90
Hexachloroethane
Concen: 49.772 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	37.1	111.3





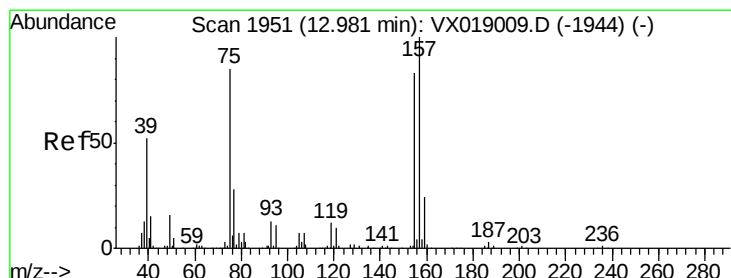
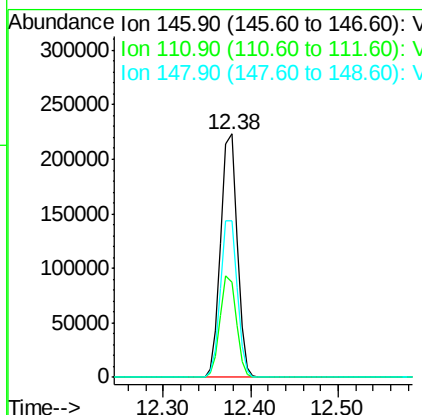
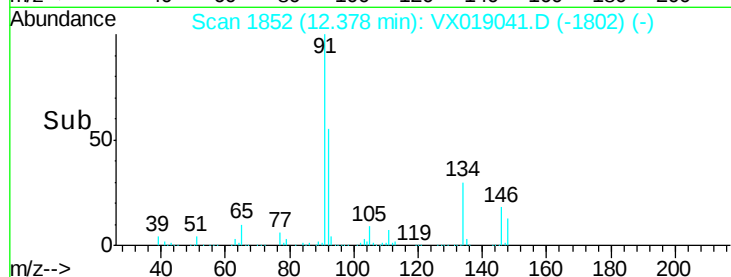
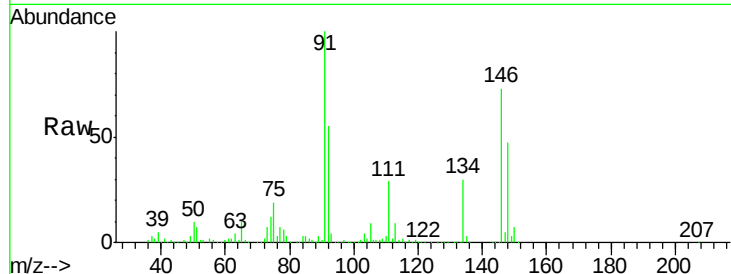
#91
1,2-Dichlorobenzene
Concen: 48.712 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.9	59.7
148	65.1	31.4	94.3

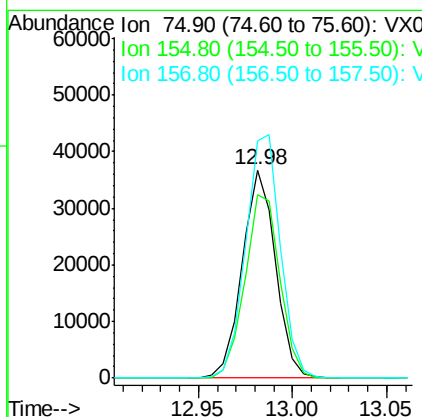
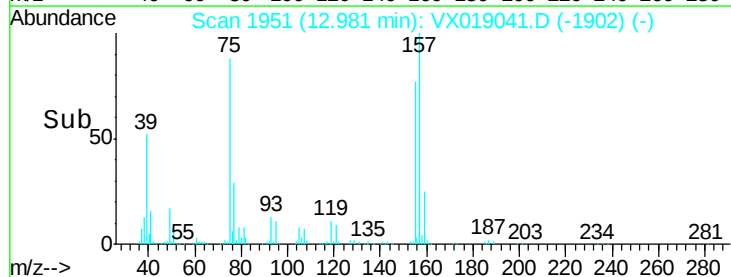
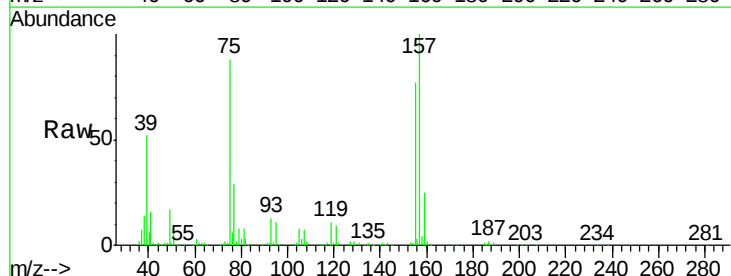
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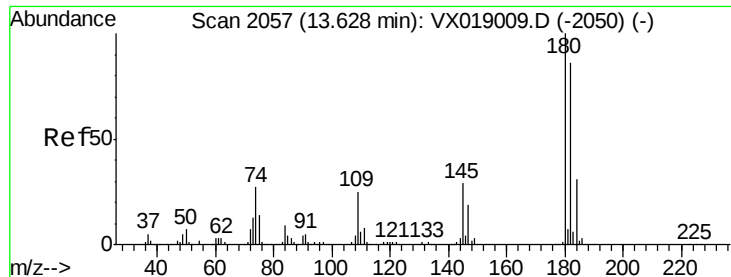
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#92
1,2-Dibromo-3-Chloropropane
Concen: 47.302 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VX019041.D
Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	47.3	142.0
157	122.3	59.7	179.0





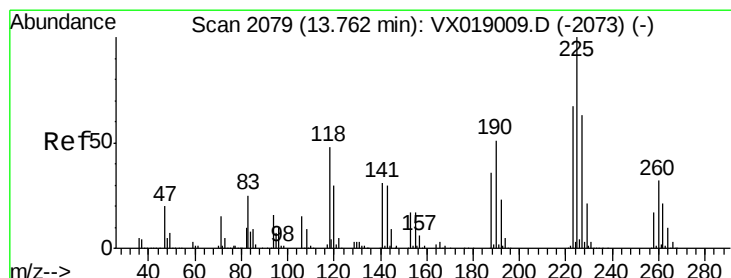
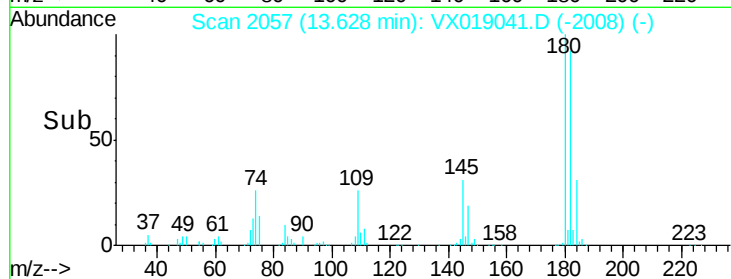
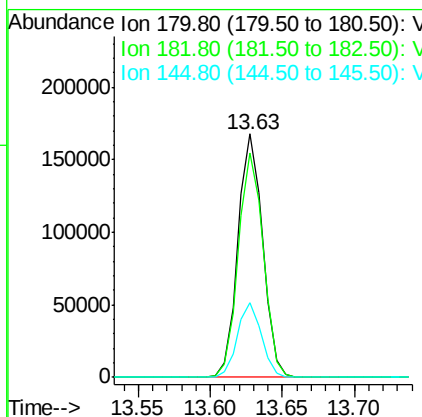
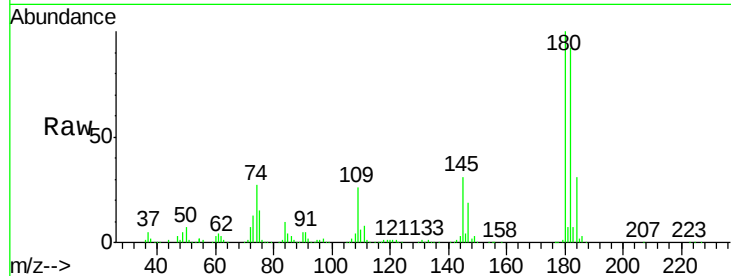
#93
 1,2,4-Trichlorobenzene
 Concen: 45.792 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.4	139.2
145	30.1	15.2	45.6

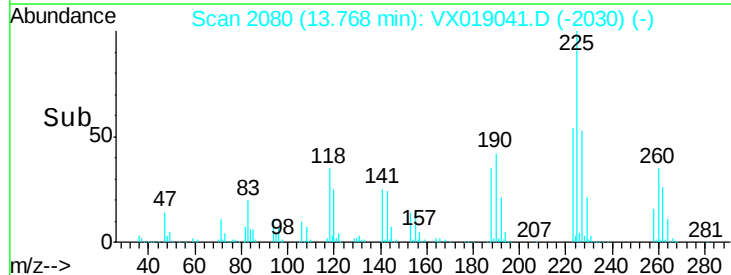
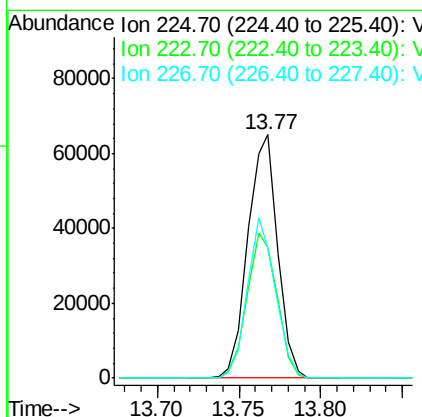
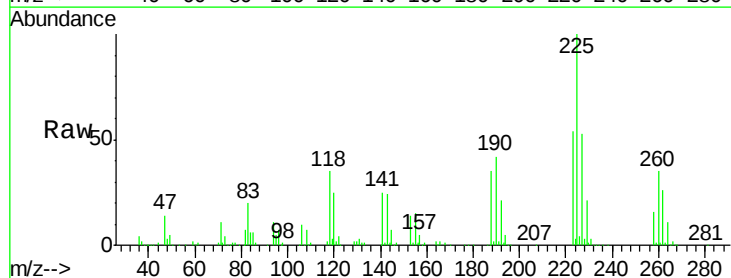
Manual Integrations
 APPROVED

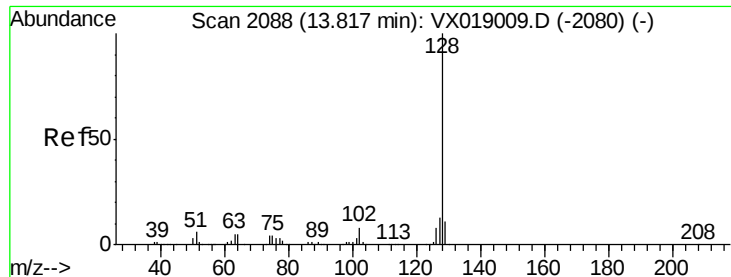
MMDadoda
 10/23/2020 12:05:00 PM



#94
 Hexachlorobutadiene
 Concen: 40.743 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX019041.D
 Acq: 22 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	32.5	97.4
227	62.4	31.9	95.7





#95

Naphthalene

Concen: 48.867 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 672688

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

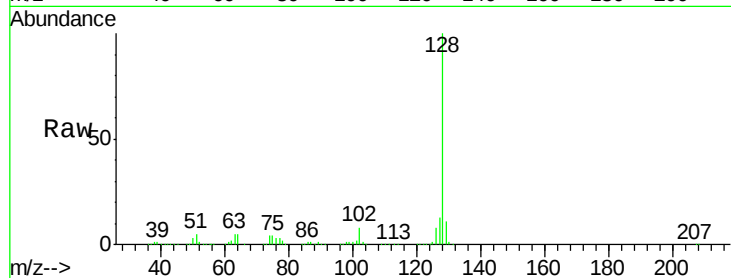
129 11.1 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

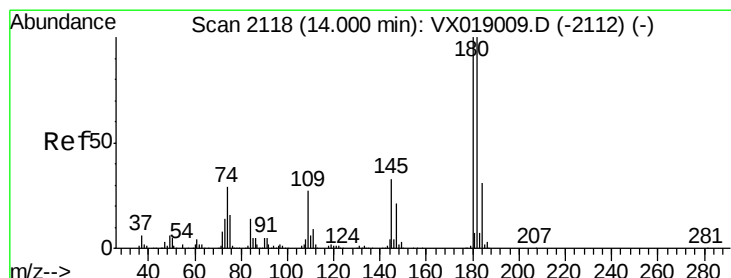
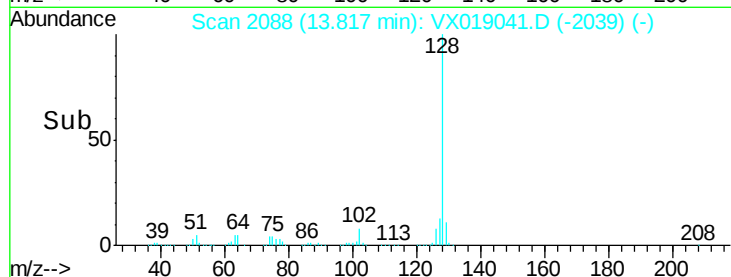
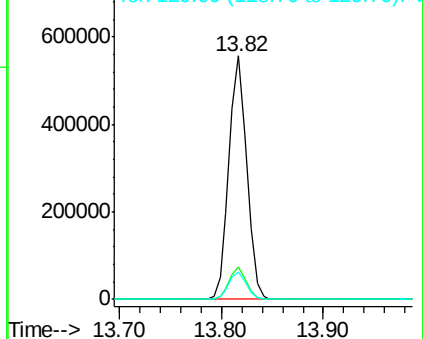
10/23/2020 12:05:00 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.710 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019041.D

Acq: 22 Oct 2020 20:29

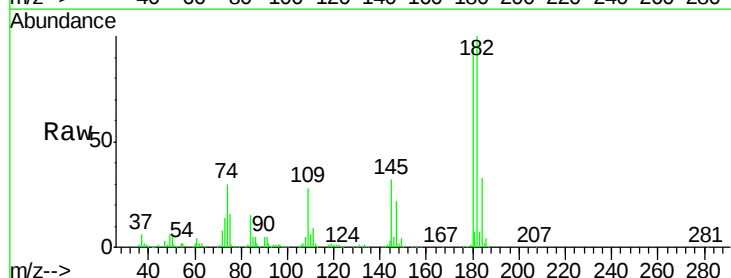
Tgt Ion:180 Resp: 190405

Ion Ratio Lower Upper

180 100

182 97.1 47.3 142.0

145 32.4 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

