

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017349.D
 Acq On : 13 Jul 2020 11:01
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:47 AM

Quant Time: Jul 13 12:24:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 13 11:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	303064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	458103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	425194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	71298	18.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.80%	
35) Dibromofluoromethane	5.46	113	56868	19.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.64%	
50) Toluene-d8	8.70	98	205208	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
62) 4-Bromofluorobenzene	11.12	95	79540	18.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	52834	18.161	ug/l	99
3) Chloromethane	1.32	50	54384	15.744	ug/l	98
4) Vinyl Chloride	1.39	62	56397	17.348	ug/l	97
5) Bromomethane	1.64	94	39996	22.446	ug/l	92
6) Chloroethane	1.72	64	34196	17.660	ug/l	99
7) Trichlorofluoromethane	1.92	101	95067	19.312	ug/l	98
8) Diethyl Ether	2.17	74	32004	18.007	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53314	18.383	ug/l	99
10) Methyl Iodide	2.50	142	60968	16.474	ug/l	100
11) Tert butyl alcohol	3.01	59	59886	85.426	ug/l	96
12) 1,1-Dichloroethene	2.36	96	54180	18.298	ug/l	99
13) Acrolein	2.27	56	33393	80.264	ug/l	99
14) Allyl chloride	2.71	41	89320	16.411	ug/l	98
15) Acrylonitrile	3.12	53	150123	88.712	ug/l	100
16) Acetone	2.42	43	124319	89.570	ug/l	98
17) Carbon Disulfide	2.55	76	154259	16.980	ug/l	99
18) Methyl Acetate	2.75	43	62400	17.371	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	185126	18.538	ug/l	100
20) Methylene Chloride	2.84	84	62058	17.611	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	60349	18.252	ug/l	98
22) Diisopropyl ether	3.82	45	181310	18.012	ug/l	99
23) Vinyl Acetate	3.79	43	798037	91.898	ug/l	99
24) 1,1-Dichloroethane	3.67	63	104208	18.113	ug/l	99
25) 2-Butanone	4.64	43	206073	89.736	ug/l	97
26) 2,2-Dichloropropane	4.55	77	96839	18.748	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	66381	17.823	ug/l	99
28) Bromochloromethane	4.98	49	50626	18.148	ug/l	98
29) Tetrahydrofuran	5.09	42	133500	88.371	ug/l	98
30) Chloroform	5.18	83	111876	18.812	ug/l	100
31) Cyclohexane	5.55	56	84042	17.074	ug/l	95
32) 1,1,1-Trichloroethane	5.46	97	104184	18.936	ug/l	99
36) 1,1-Dichloropropene	5.78	75	79681	18.397	ug/l	99
37) Ethyl Acetate	4.80	43	82516	18.884	ug/l	97
38) Carbon Tetrachloride	5.75	117	93801	19.463	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	84612	17.642	ug/l	96
40) Benzene	6.11	78	230897	18.200	ug/l	98
41) Methacrylonitrile	5.01	41	44347	18.029	ug/l	99
42) 1,2-Dichloroethane	6.17	62	92718	20.016	ug/l	100
43) Isopropyl Acetate	6.41	43	131618	18.101	ug/l	100
44) Trichloroethene	7.19	130	70766	18.386	ug/l	100
45) 1,2-Dichloropropane	7.49	63	59420	18.247	ug/l	99
46) Dibromomethane	7.64	93	43363	19.375	ug/l	98
47) Bromodichloromethane	7.87	83	89541	19.369	ug/l	98
48) Methyl methacrylate	7.74	41	62705	18.169	ug/l	98
49) 1,4-Dioxane	7.71	88	24546	316.825	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	411185	94.637	ug/l	99
52) Toluene	8.77	92	148435	18.651	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	95386	18.717	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	101700	18.653	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	61830	18.927	ug/l	98
56) Ethyl methacrylate	9.16	69	86058	18.577	ug/l	99
57) 1,3-Dichloropropane	9.35	76	101563	18.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	237074	102.430	ug/l	99
59) 2-Hexanone	9.47	43	307973	96.515	ug/l	99
60) Dibromochloromethane	9.57	129	74021	19.355	ug/l	99
61) 1,2-Dibromoethane	9.65	107	67139	19.093	ug/l	100
64) Tetrachloroethene	9.32	164	72234	20.753	ug/l	93
65) Chlorobenzene	10.12	112	166357	18.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	65766	19.300	ug/l	99
67) Ethyl Benzene	10.23	91	279970	19.123	ug/l	99
68) m/p-Xylenes	10.34	106	221564	39.421	ug/l	99
69) o-Xylene	10.68	106	102450	19.102	ug/l	99
70) Styrene	10.70	104	181918	19.946	ug/l	99
71) Bromoform	10.84	173	57062	20.966	ug/l	99
73) Isopropylbenzene	11.00	105	280412	18.841	ug/l	98
74) N-amyl acetate	10.88	43	110995	17.689	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	87614	18.823	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	87319m	19.653	ug/l	
77) Bromobenzene	11.24	156	80445	19.505	ug/l	99
78) n-propylbenzene	11.34	91	317523	18.853	ug/l	100
79) 2-Chlorotoluene	11.40	91	194862	19.119	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	243515	19.703	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	31167	18.223	ug/l	95
82) 4-Chlorotoluene	11.49	91	235200	19.273	ug/l	100
83) tert-Butylbenzene	11.76	119	230129	18.948	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	250262	19.913	ug/l	100
85) sec-Butylbenzene	11.93	105	268393	18.815	ug/l	100
86) p-Isopropyltoluene	12.05	119	260476	19.641	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	140152	18.689	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	141492	18.493	ug/l	96
89) n-Butylbenzene	12.37	91	213459	18.090	ug/l	99
90) Hexachloroethane	12.58	117	48515	18.597	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	135195	19.393	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	20935	18.624	ug/l	96

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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	88526	18.529	ug/l	100
94) Hexachlorobutadiene	13.76	225	36979	18.925	ug/l	99
95) Naphthalene	13.82	128	275678	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	88377	19.155	ug/l	98

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

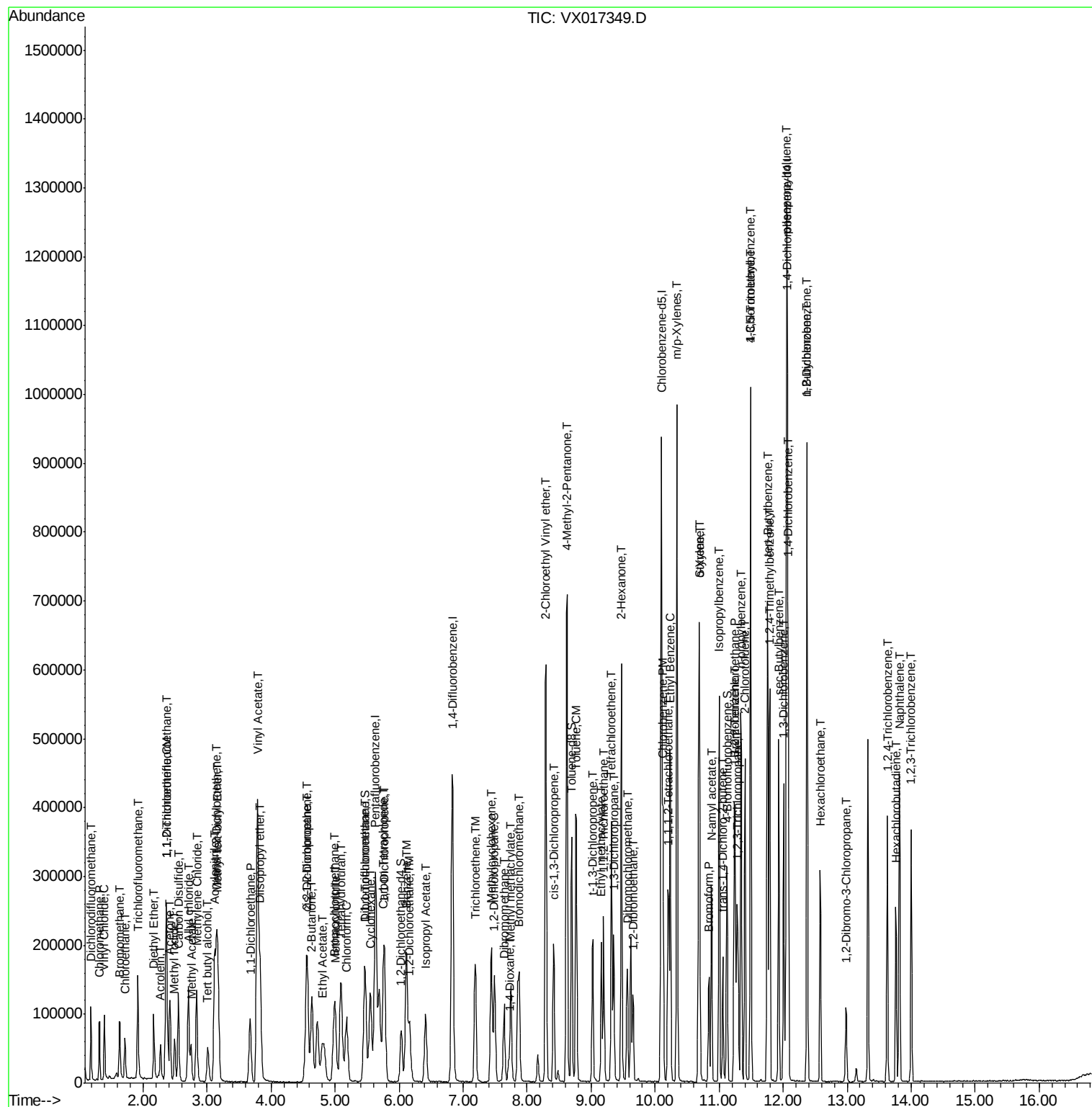
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Data File : VX017349.D
Acq On : 13 Jul 2020 11:01
Operator : JC/SP
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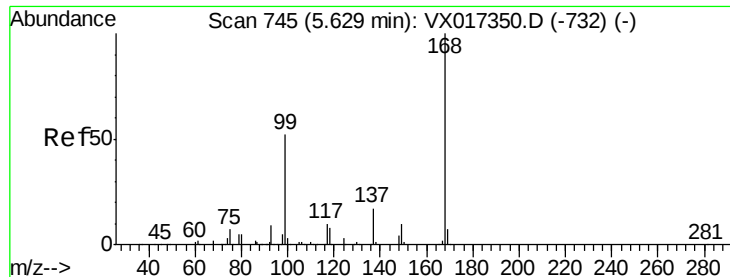
Instrument :
MSVOA_X
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VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 303064

Ion Ratio Lower Upper

168 100

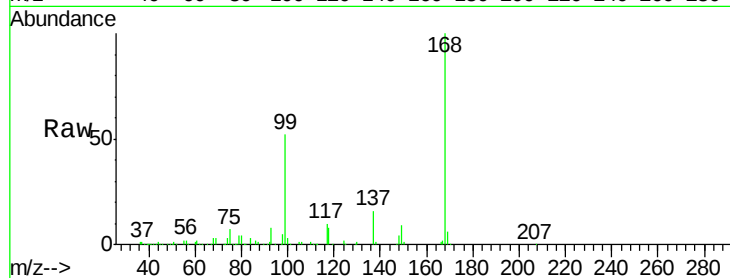
99 52.0 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

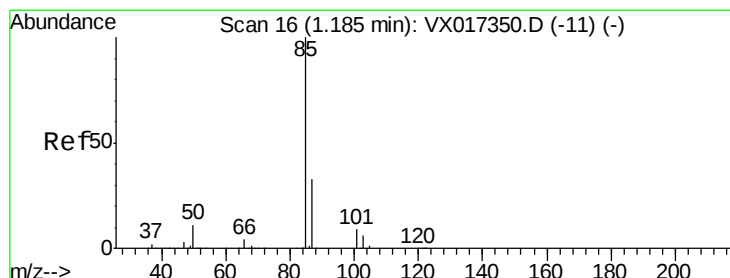
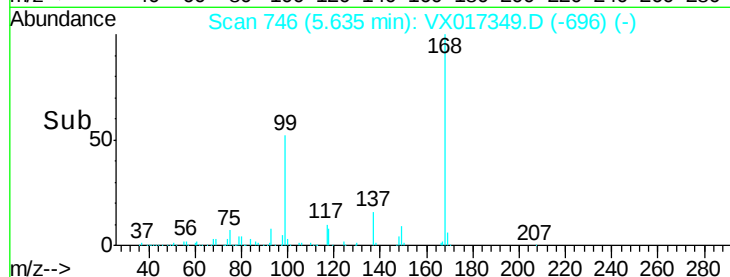
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.161 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017349.D

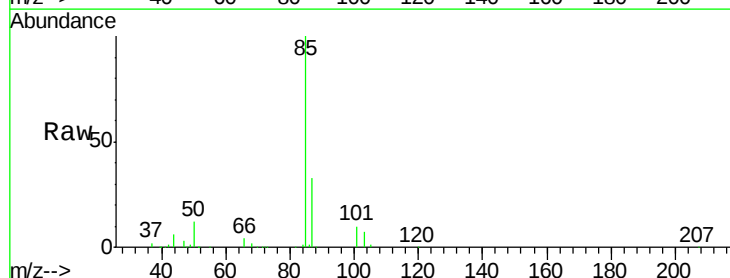
Acq: 13 Jul 2020 11:01

Tgt Ion: 85 Resp: 52834

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

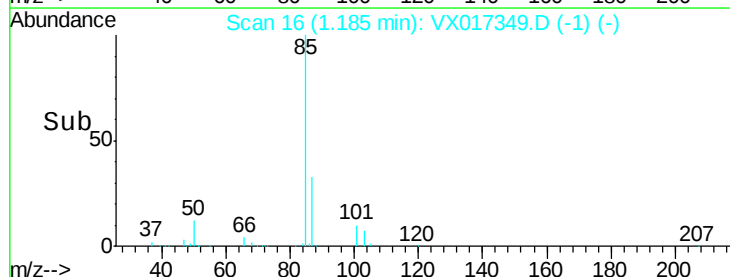
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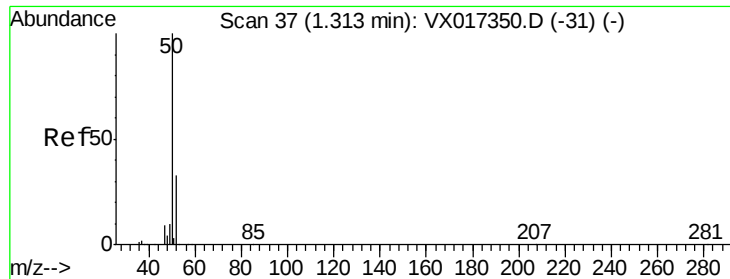
40000

20000

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Time-->





#3

Chloromethane

Concen: 15.744 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 54384

Ion Ratio Lower Upper

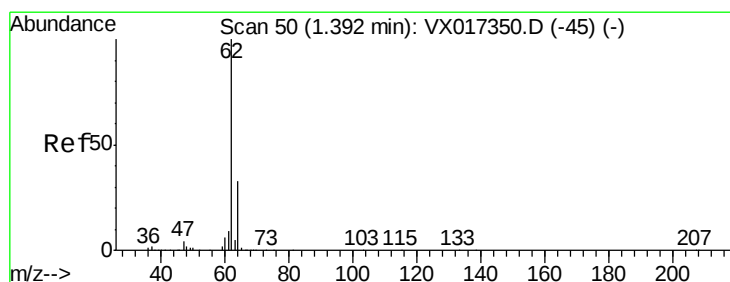
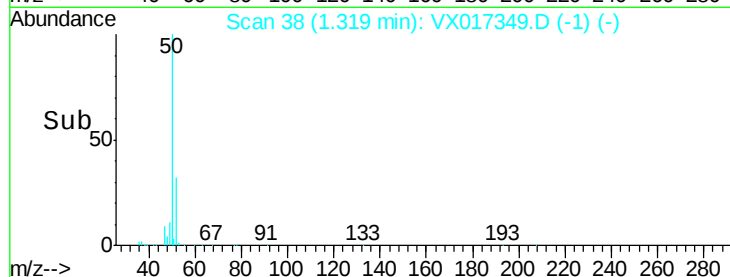
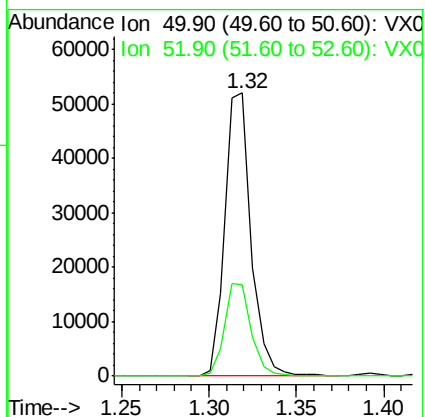
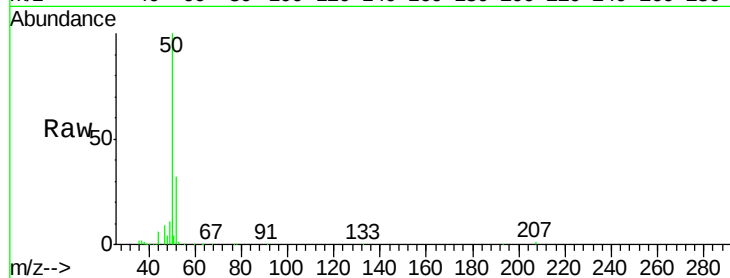
50 100

52 32.3 26.7 40.1

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#4

Vinyl Chloride

Concen: 17.348 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017349.D

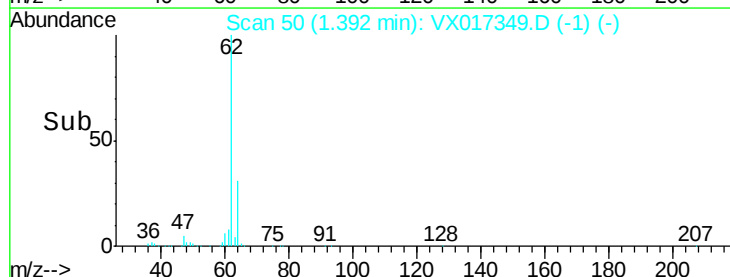
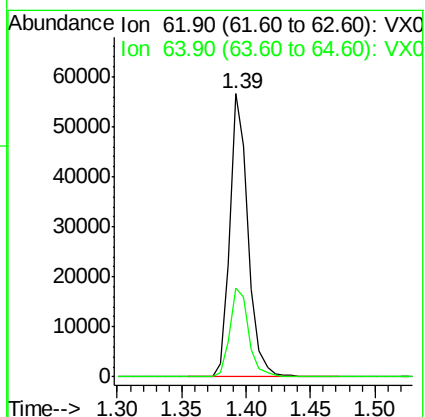
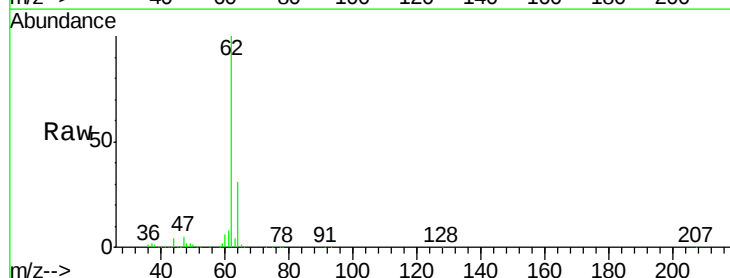
Acq: 13 Jul 2020 11:01

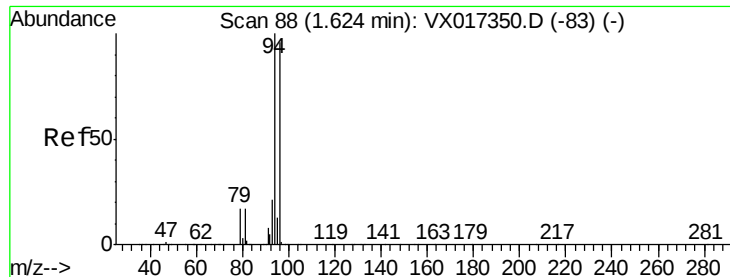
Tgt Ion: 62 Resp: 56397

Ion Ratio Lower Upper

62 100

64 31.3 26.3 39.5





#5

Bromomethane

Concen: 22.446 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

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ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 39996

Ion Ratio Lower Upper

94 100

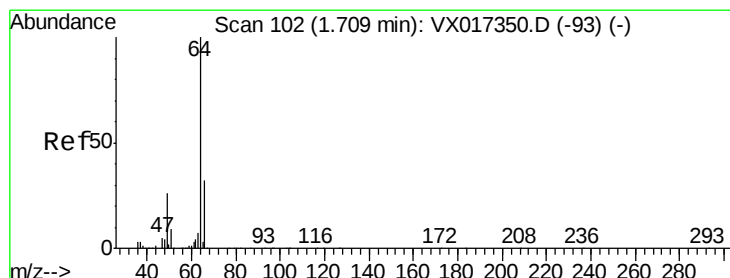
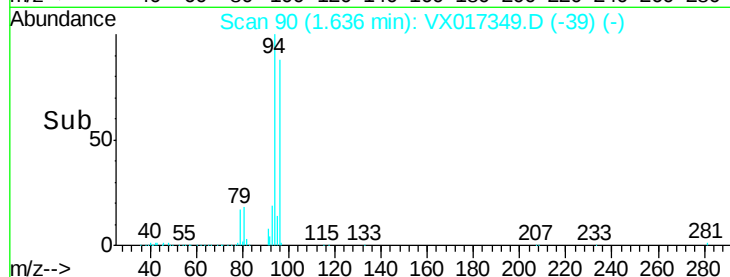
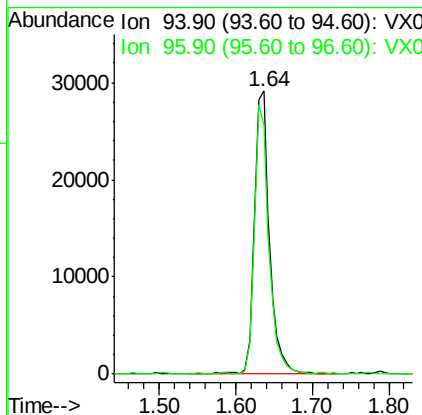
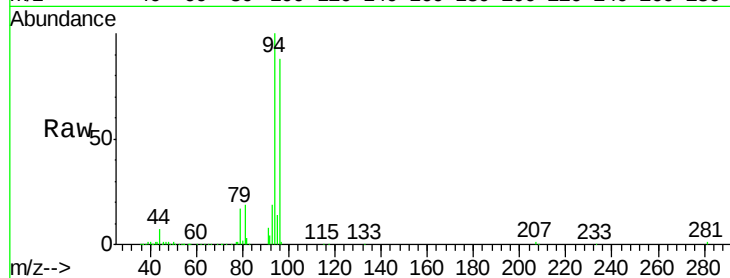
96 87.8 76.6 115.0

Manual Integrations

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#6

Chloroethane

Concen: 17.660 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017349.D

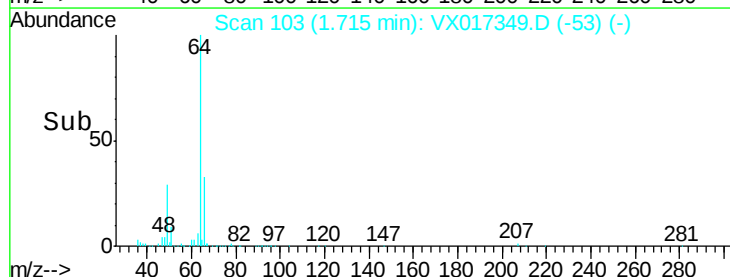
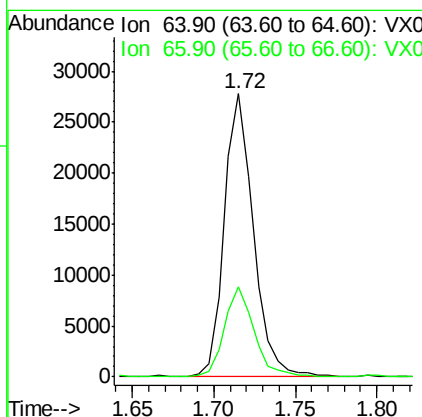
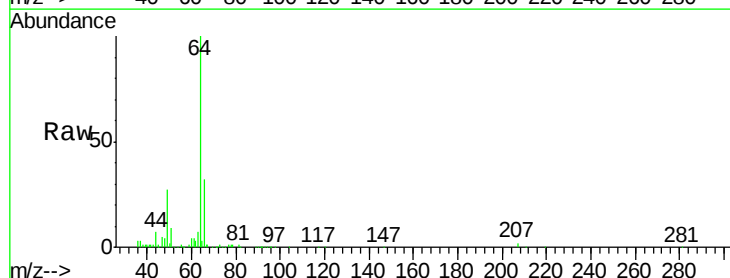
Acq: 13 Jul 2020 11:01

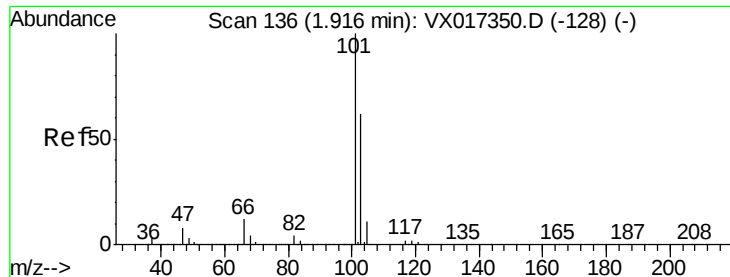
Tgt Ion: 64 Resp: 34196

Ion Ratio Lower Upper

64 100

66 31.8 25.7 38.5





#7

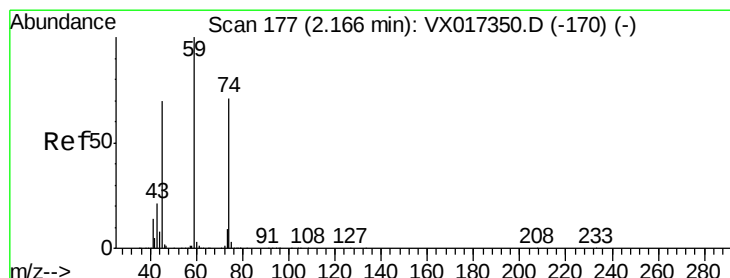
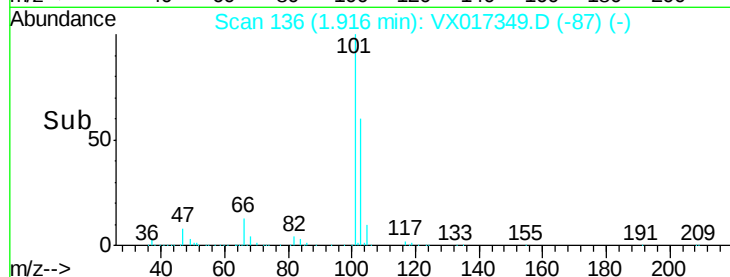
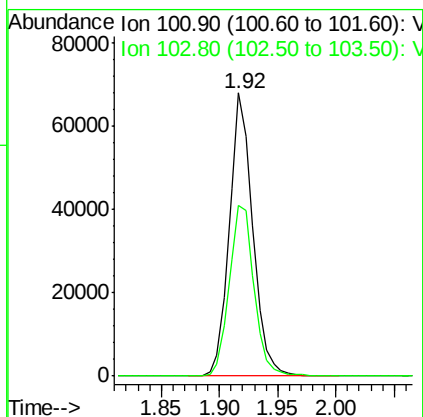
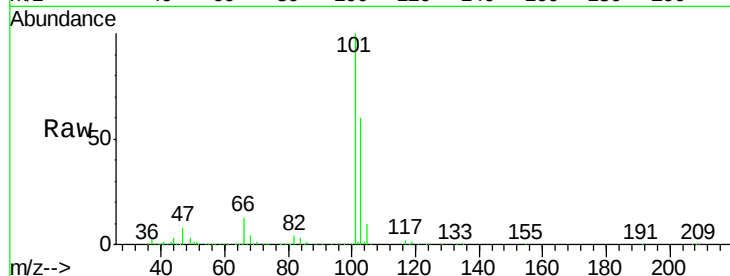
Trichlorofluoromethane
Concen: 19.312 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	49.6	74.4

Manual Integrations
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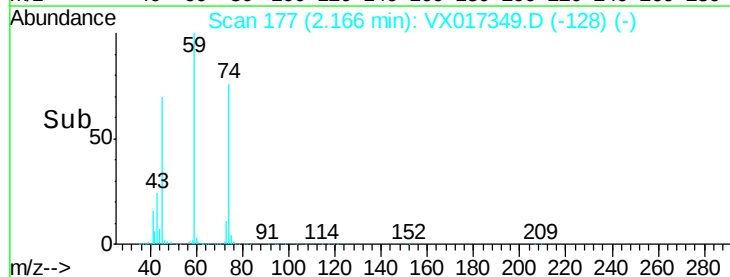
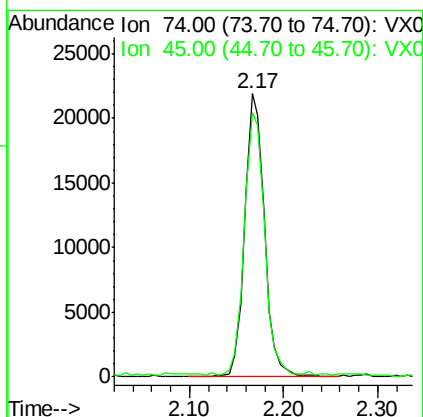
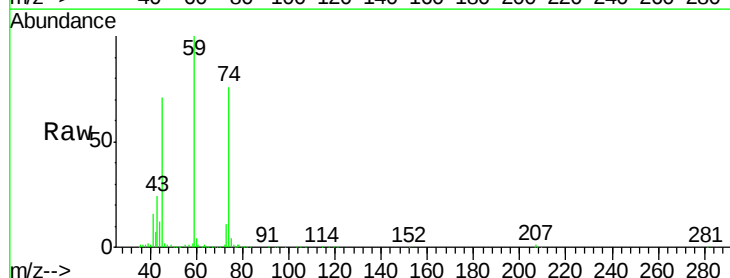
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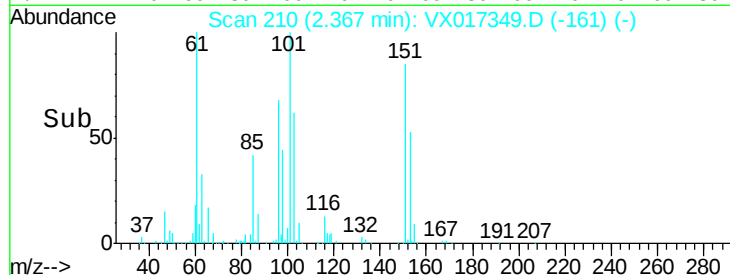
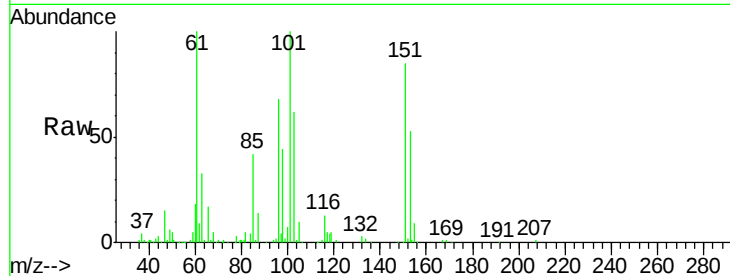
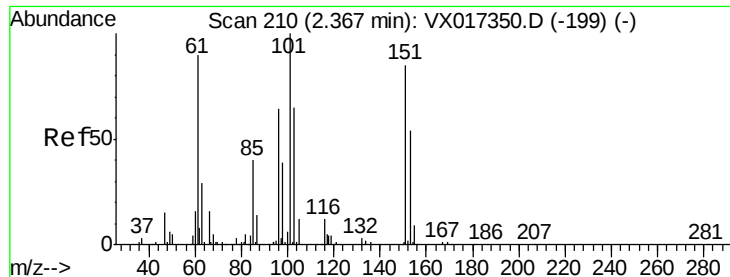


#8

Diethyl Ether
Concen: 18.007 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.383 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

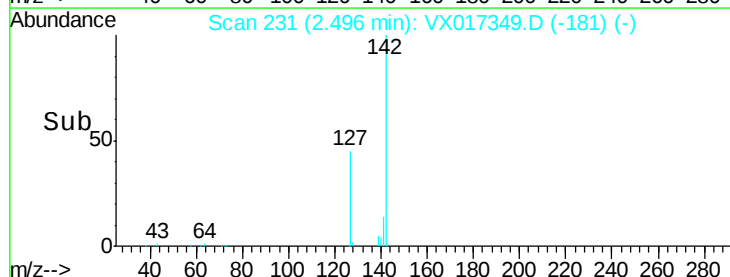
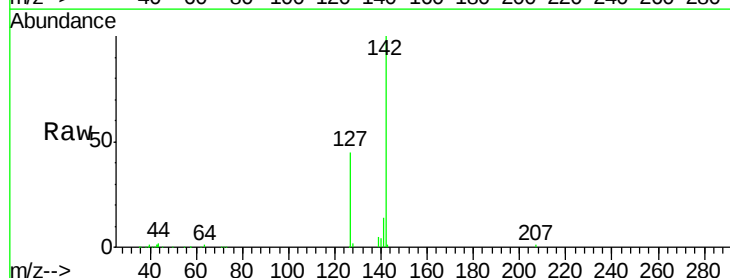
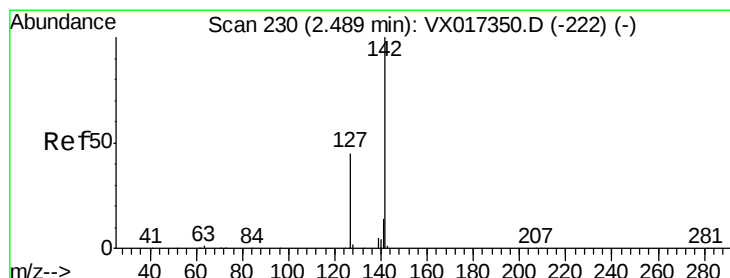
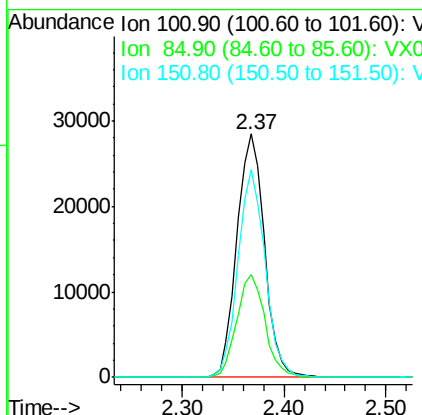
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	53314
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.7	50.5
151	84.0	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.474 ug/l

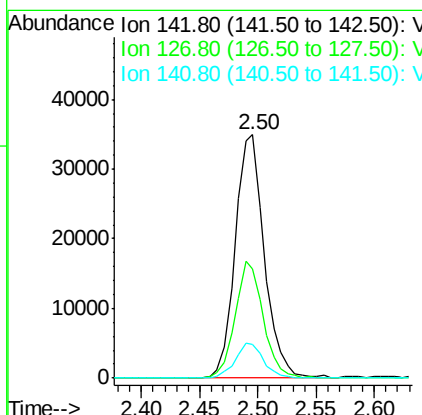
RT: 2.50 min Scan# 231

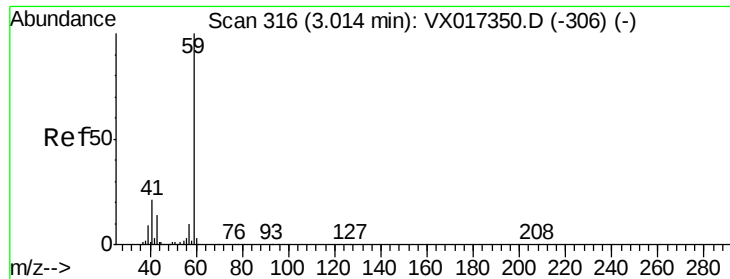
Delta R.T. 0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion:	142	Resp:	60968
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.8	55.2
141	14.0	11.4	17.0





#11

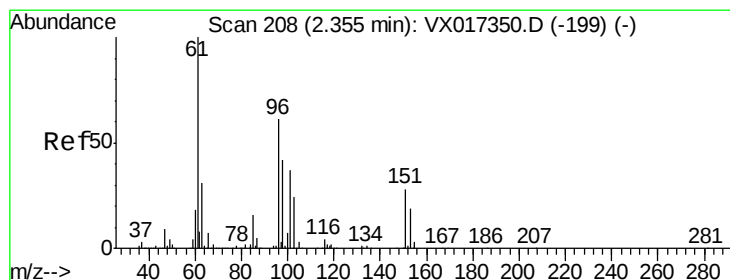
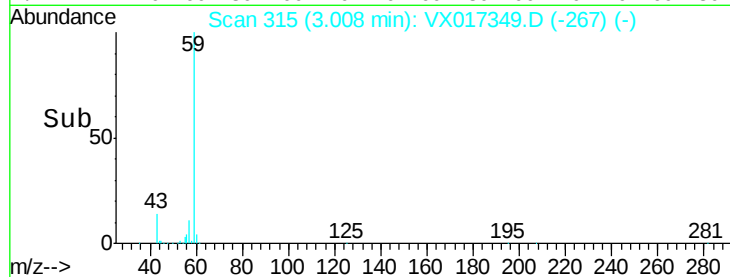
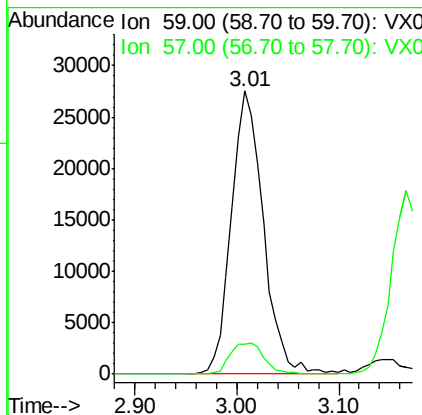
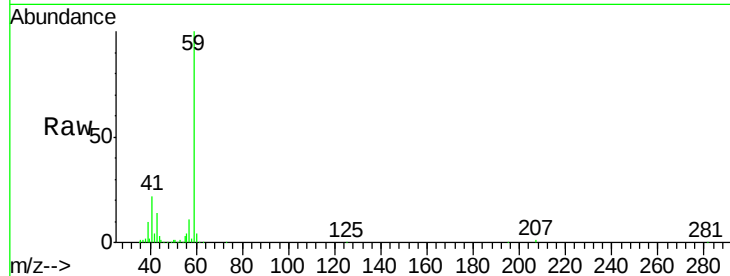
Tert butyl alcohol
Concen: 85.426 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	100	11.9	Resp:	59886	Lower	8.3	Upper	12.5
Ion	59	57	Ratio	100	11.9	Resp:	59886	Lower	8.3	Upper	12.5

Manual Integrations
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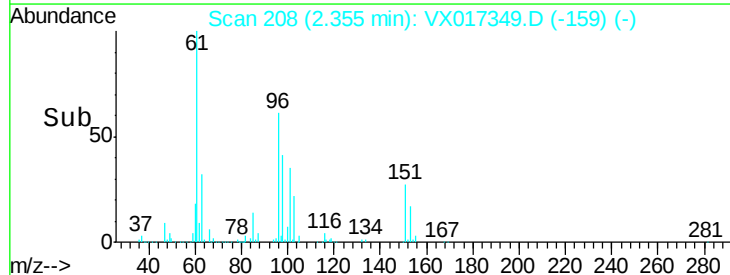
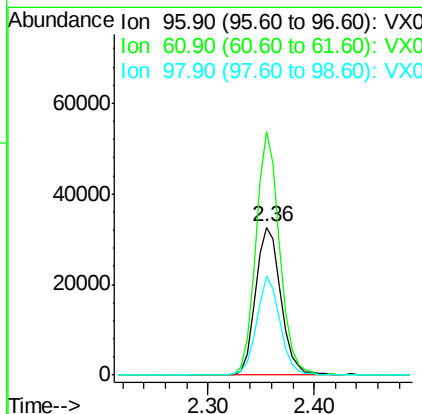
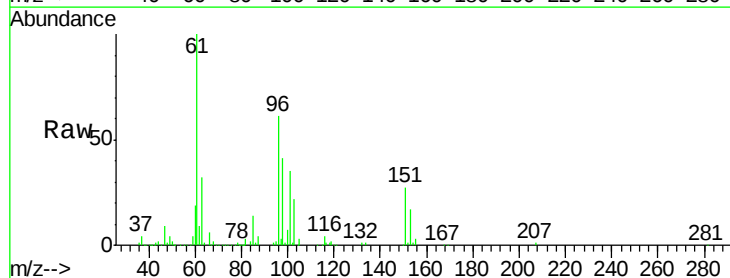
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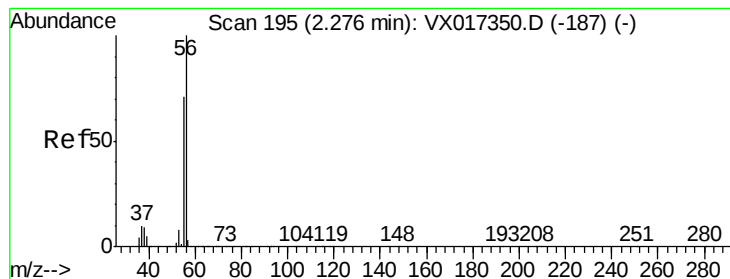


#12

1,1-Dichloroethene
Concen: 18.298 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	96	61	98	Ratio	100	164.9	67.3	Resp:	54180	Lower	131.5	55.1	Upper	197.3	82.7
Ion	96	61	98	Ratio	100	164.9	67.3	Resp:	54180	Lower	131.5	55.1	Upper	197.3	82.7





#13

Acrolein

Concen: 80.264 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 33393

Ion Ratio Lower Upper

56 100

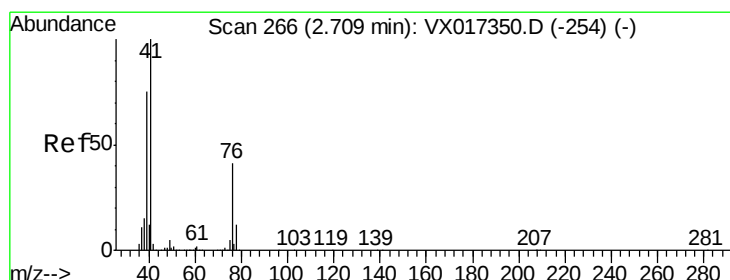
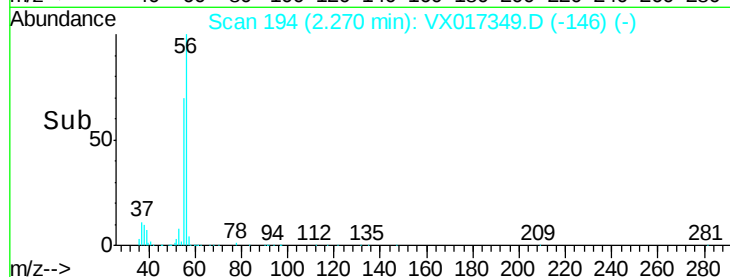
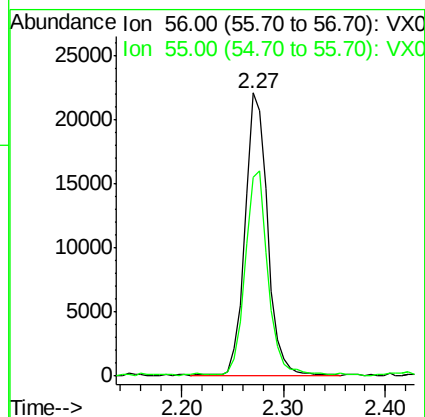
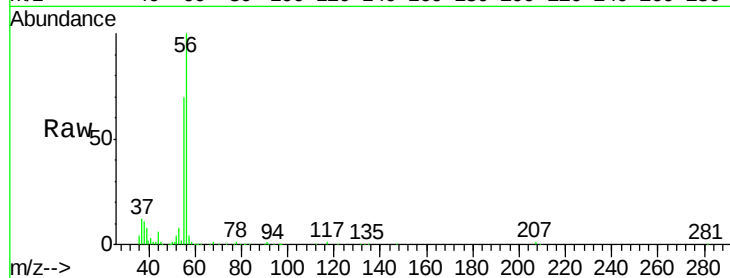
55 71.9 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 16.411 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

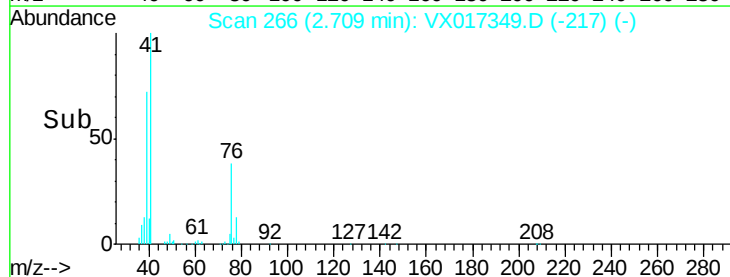
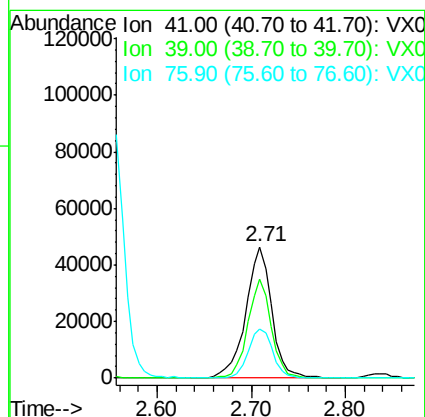
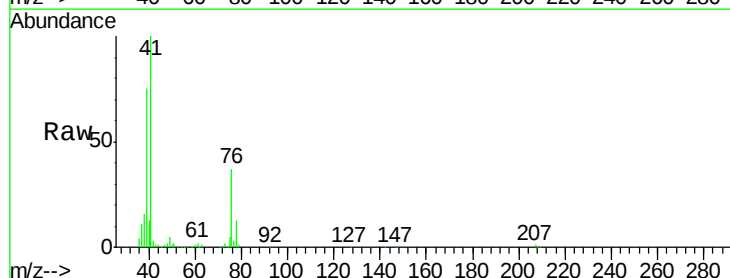
Tgt Ion: 41 Resp: 89320

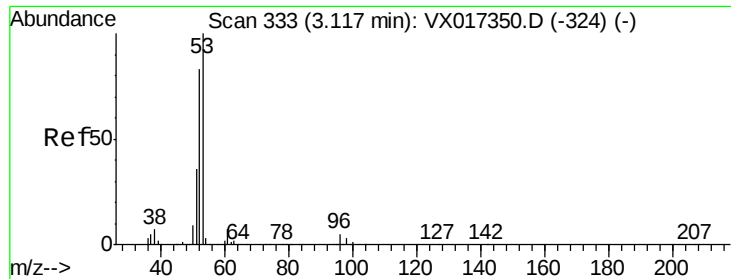
Ion Ratio Lower Upper

41 100

39 68.0 53.0 79.4

76 35.6 28.2 42.2





#15

Acrylonitrile

Concen: 88.712 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

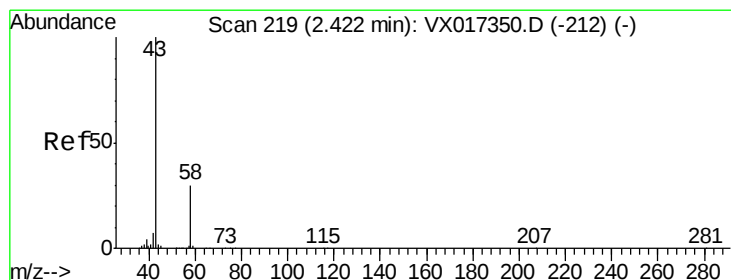
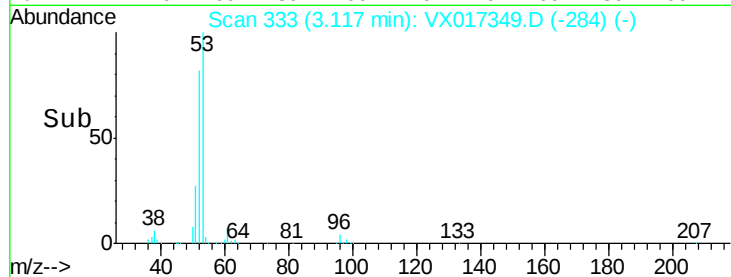
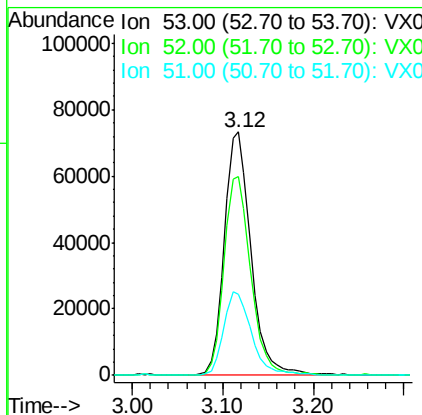
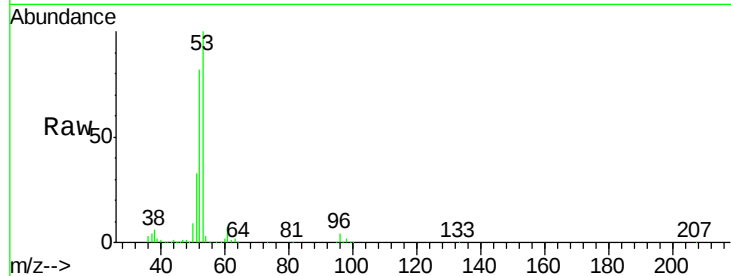
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	150123
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.8	98.6
51	36.1	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 89.570 ug/l

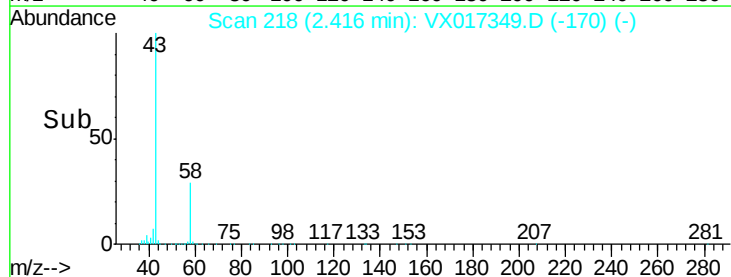
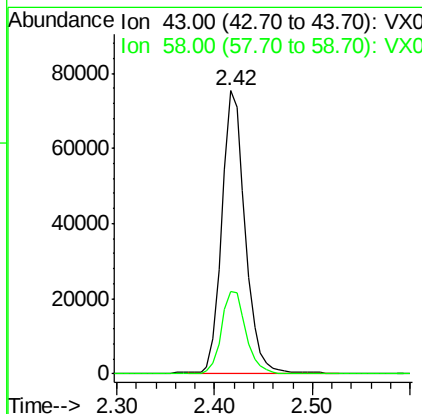
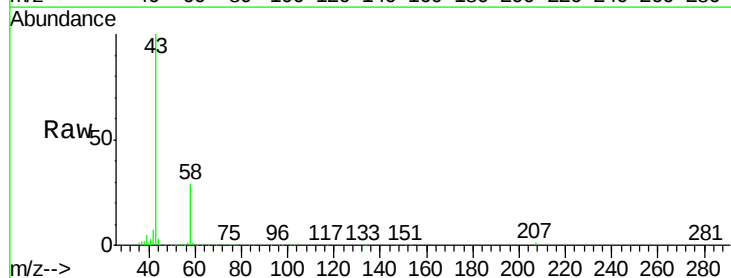
RT: 2.42 min Scan# 218

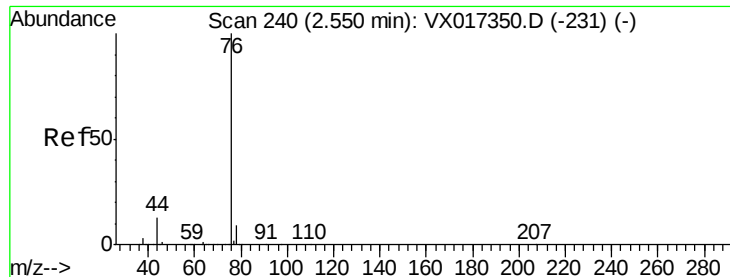
Delta R.T. -0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion:	43	Resp:	124319
Ion Ratio	Lower	Upper	
43	100		
58	29.0	24.2	36.2





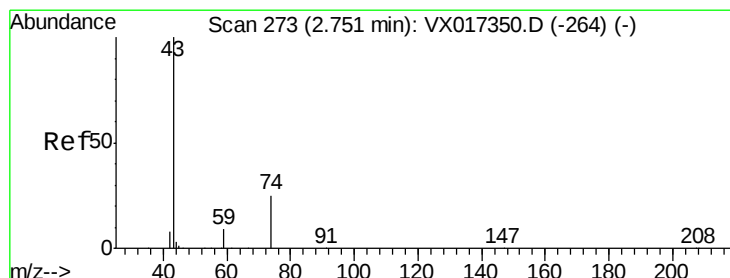
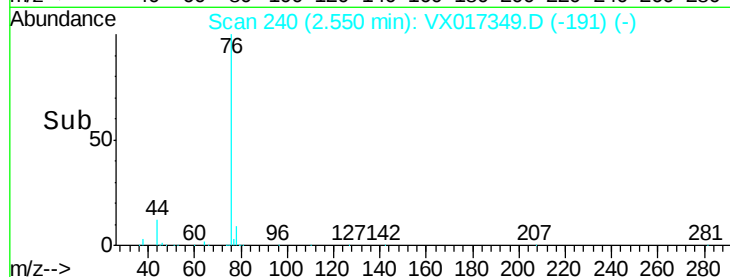
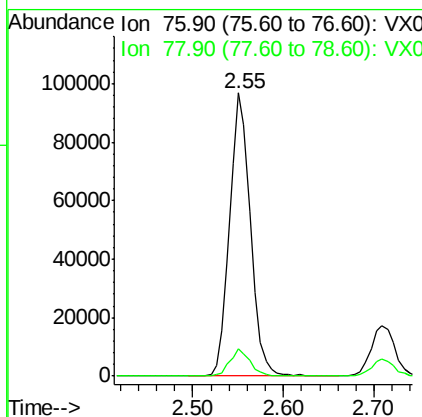
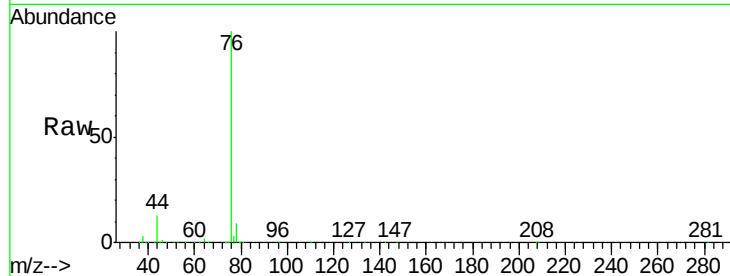
#17
Carbon Disulfide
Concen: 16.980 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

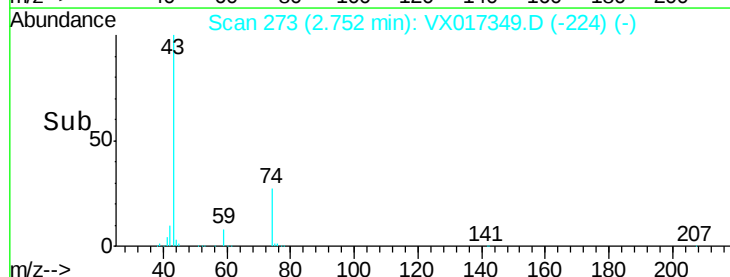
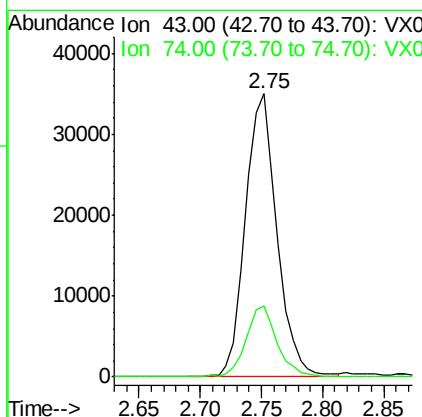
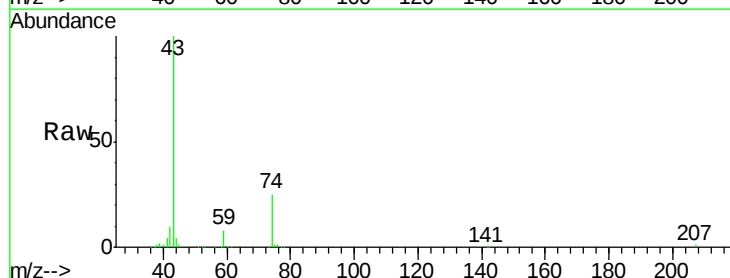
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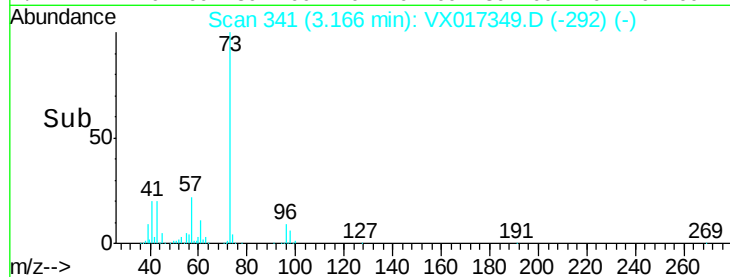
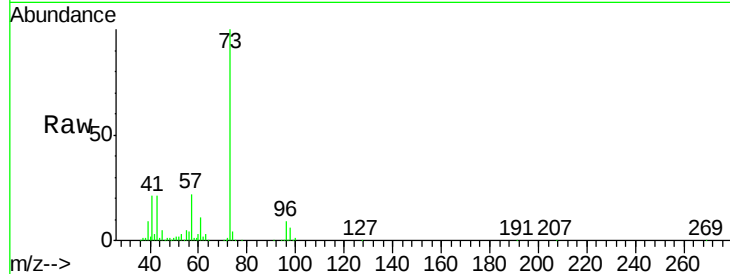
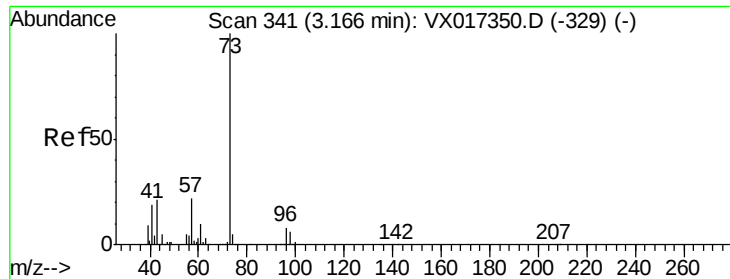
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#18
Methyl Acetate
Concen: 17.371 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.4	29.2





#19

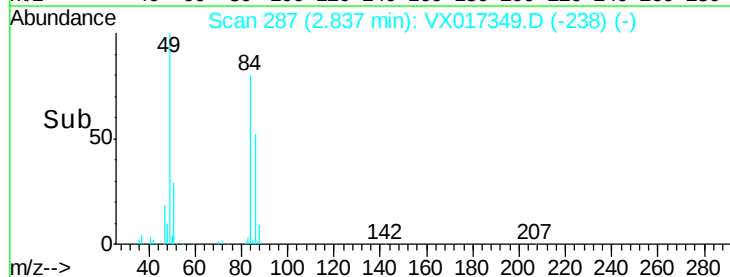
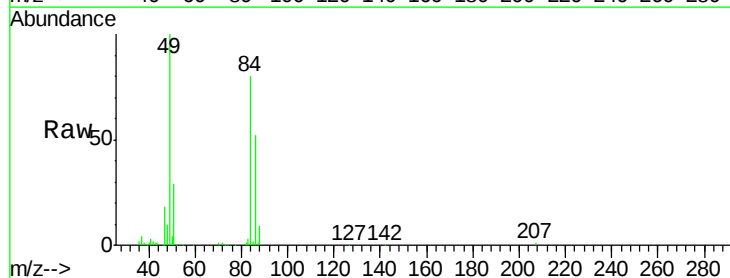
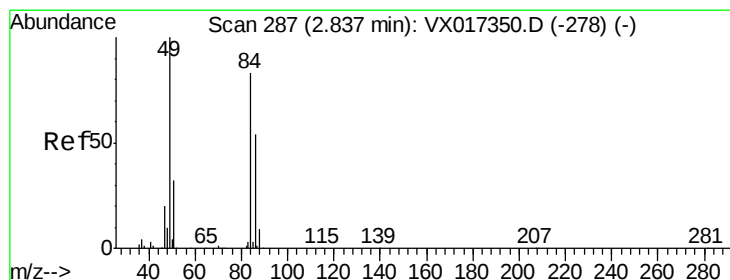
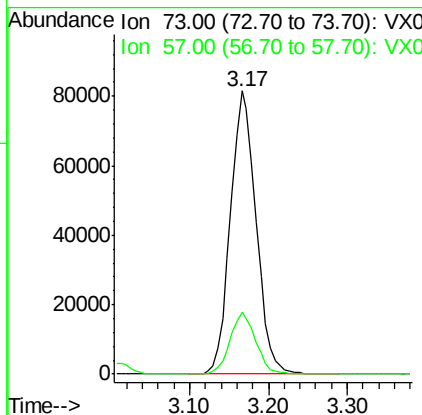
Methyl tert-butyl Ether
Concen: 18.538 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tot Ion	73	Resp	185126
Ion Ratio	100	Lower	Upper
73	100		
57	21.9	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
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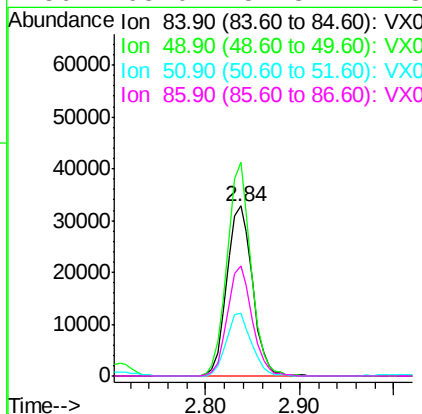
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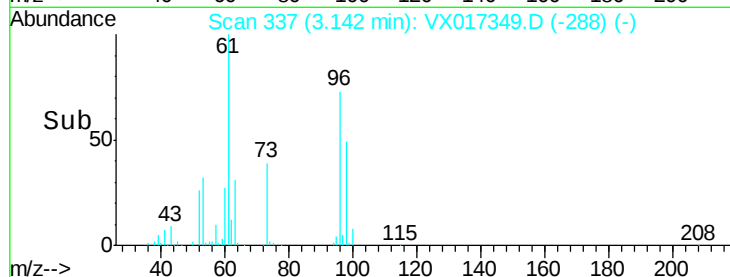
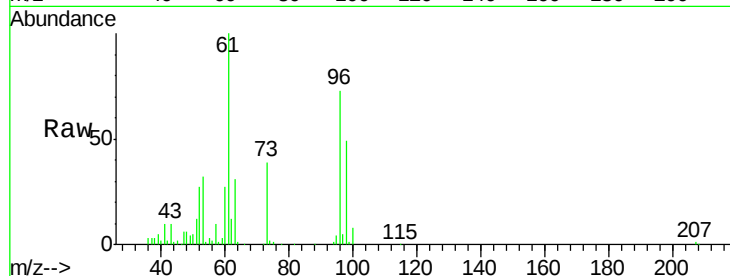
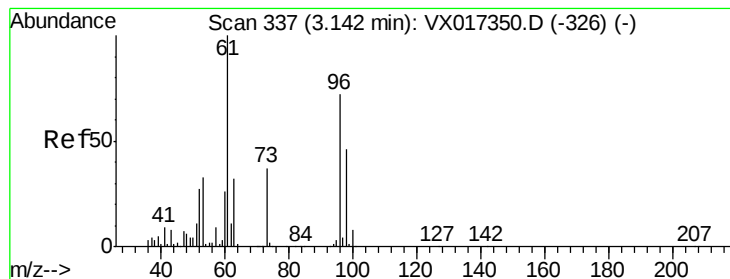


#20

Methylene Chloride
Concen: 17.611 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	84	Resp	62058
Ion Ratio	100	Lower	Upper
84	100		
49	125.5	95.8	143.8
51	36.9	31.0	46.4
86	65.0	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 18.252 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tot Ion:	96	Resp:	60349
Ion	Ratio	Lower	Upper
96	100		
61	137.5	111.1	166.7
98	67.2	51.4	77.0

Instrument :

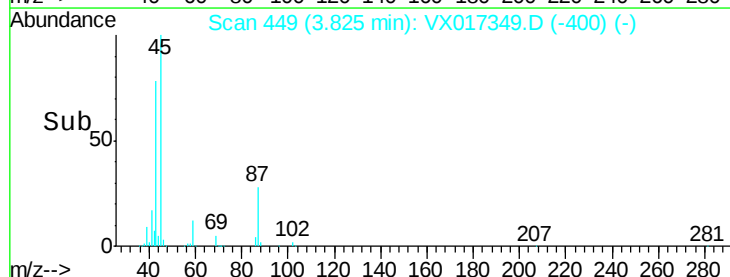
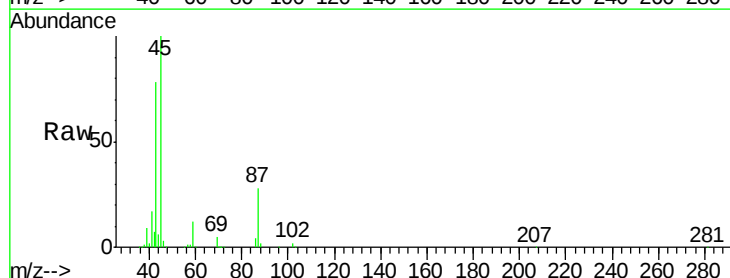
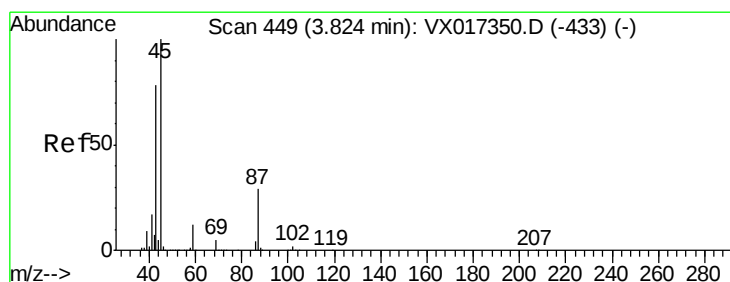
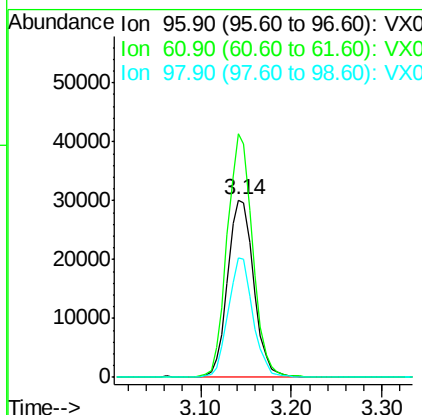
MSVOA_X

ClientSampleId :

VSTDIC020

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#22

Diisopropyl ether

Concen: 18.012 ug/l

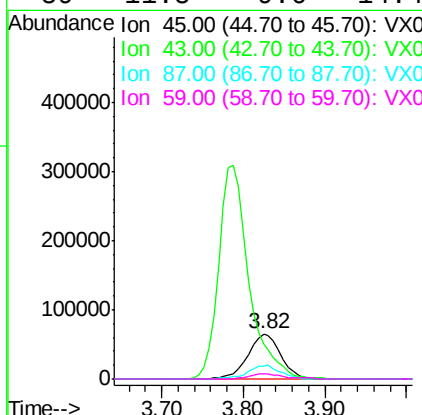
RT: 3.82 min Scan# 449

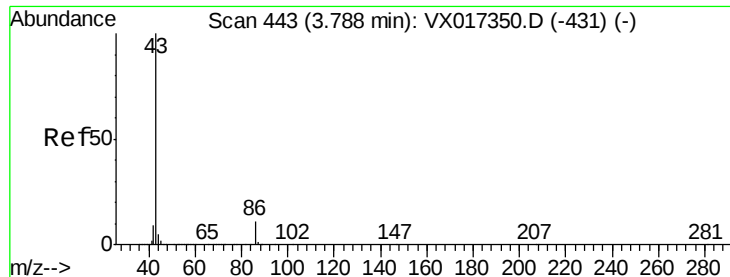
Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion:	45	Resp:	181310
Ion	Ratio	Lower	Upper
45	100		
43	77.9	62.2	93.2
87	27.7	23.0	34.6
59	11.5	9.6	14.4





#23

Vinyl Acetate

Concen: 91.898 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 798037

Ion Ratio Lower Upper

43 100

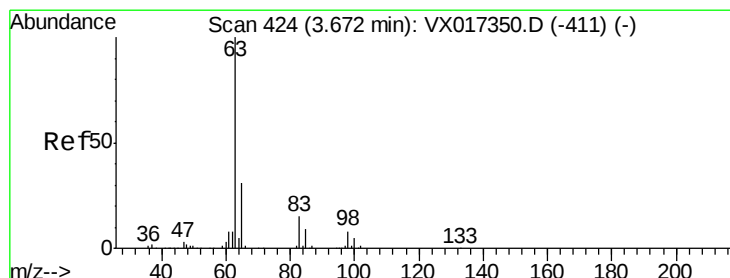
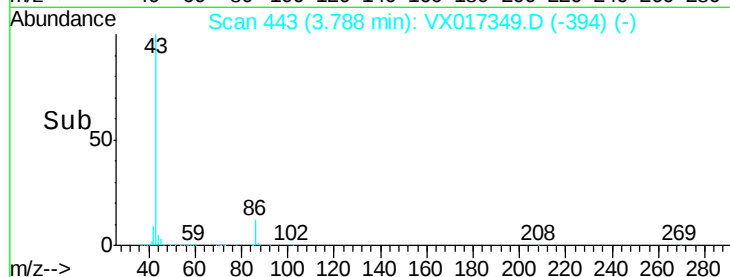
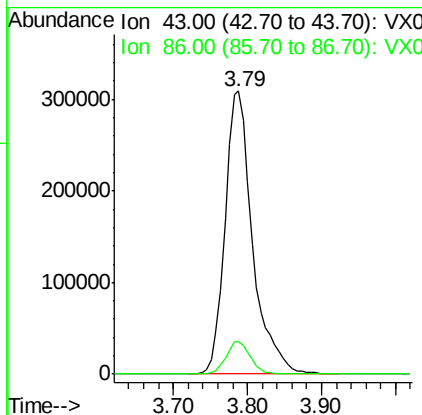
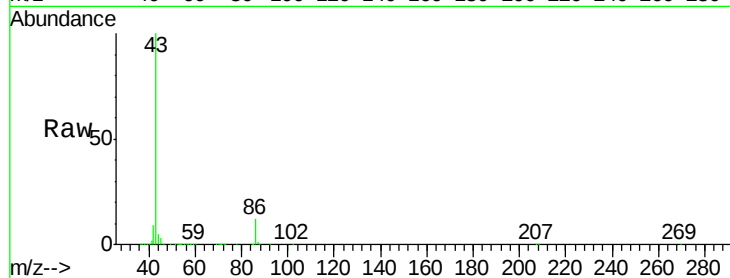
86 11.5 9.0 13.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.113 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

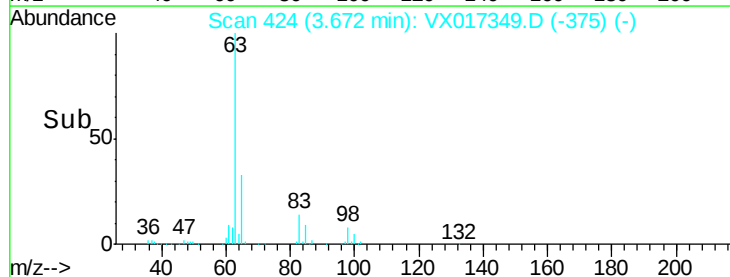
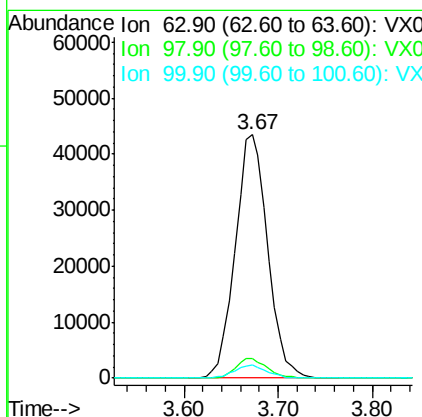
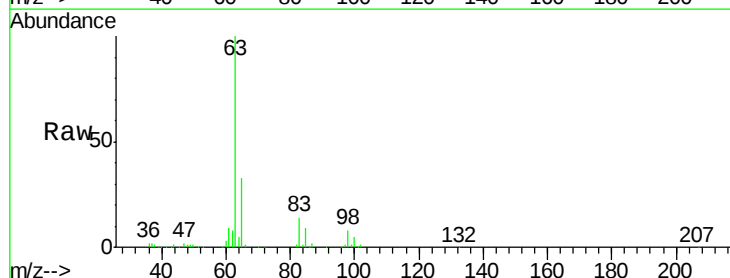
Tgt Ion: 63 Resp: 104208

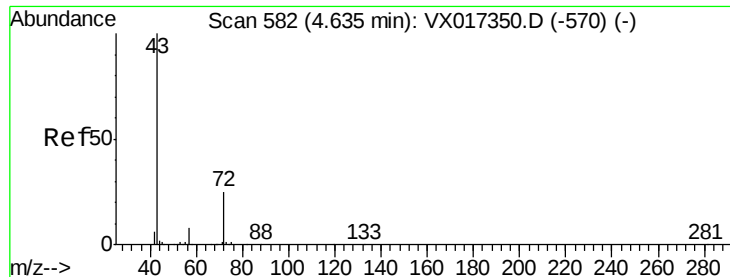
Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.5

100 5.2 2.5 7.5





#25

2-Butanone

Concen: 89.736 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 206073

Ion Ratio Lower Upper

43 100

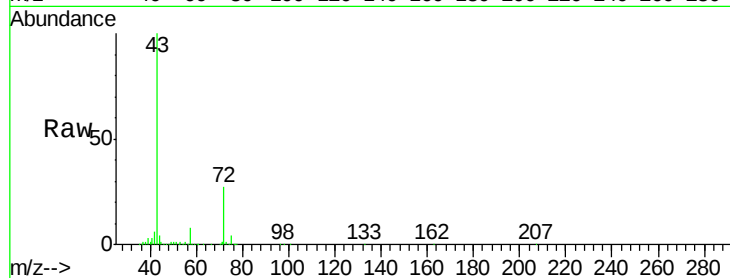
72 27.0 20.4 30.6

Manual Integrations

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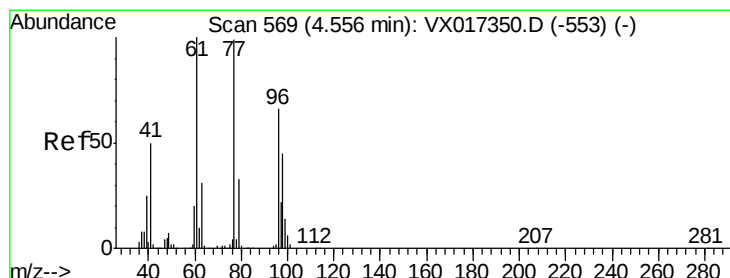
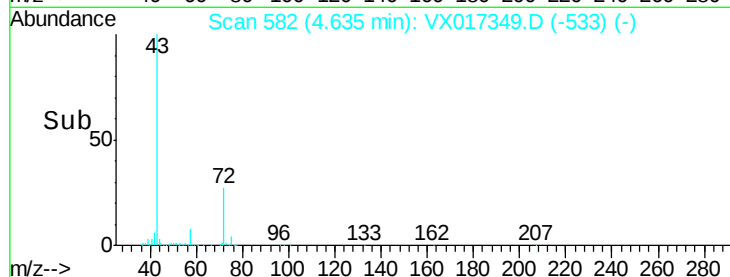
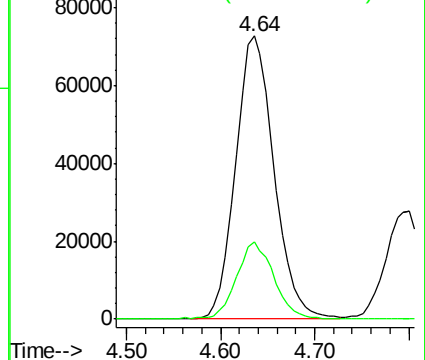
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.748 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017349.D

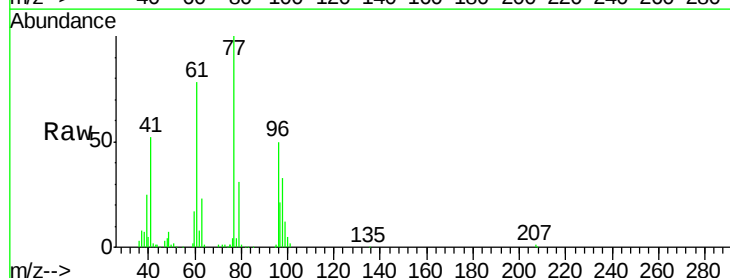
Acq: 13 Jul 2020 11:01

Tgt Ion: 77 Resp: 96839

Ion Ratio Lower Upper

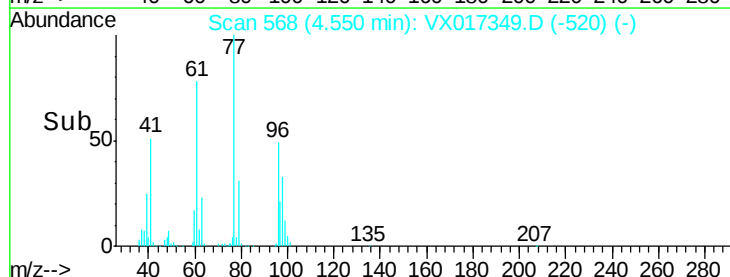
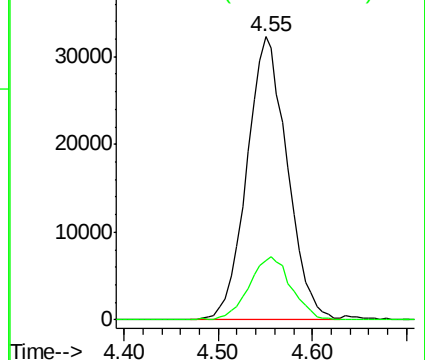
77 100

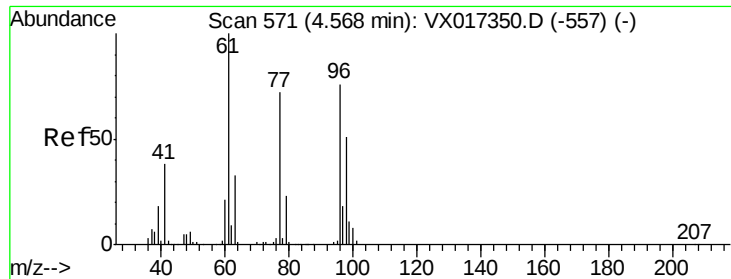
97 23.3 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

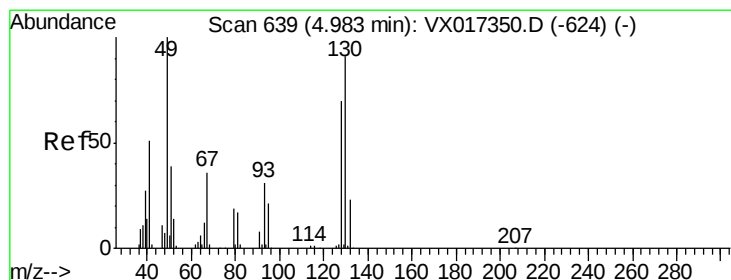
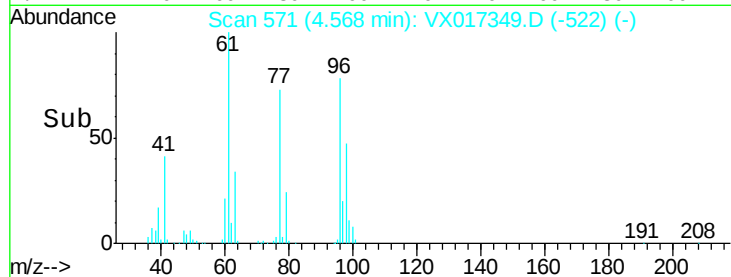
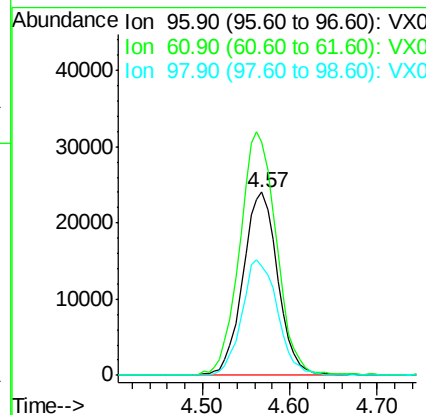
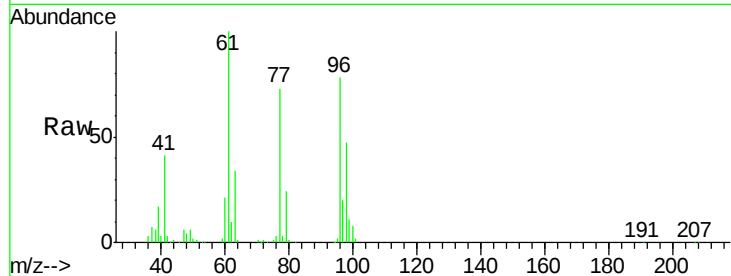
cis-1,2-Dichloroethene
Concen: 17.823 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	281.2
98	64.5	0.0	131.4

Manual Integrations
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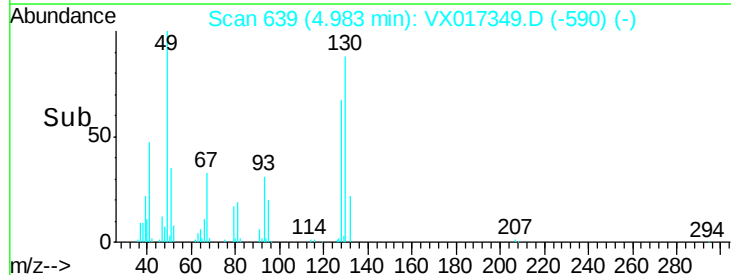
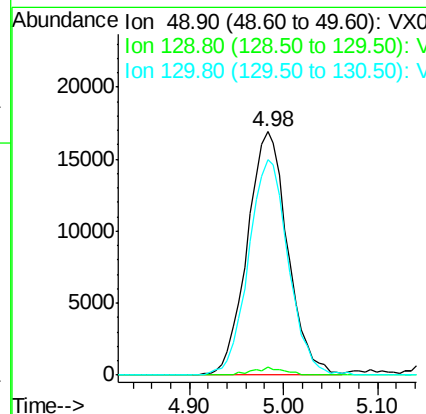
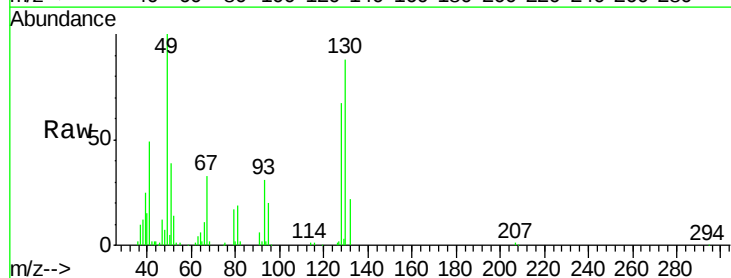
MMDadoda
7/14/2020 11:35:47 AM

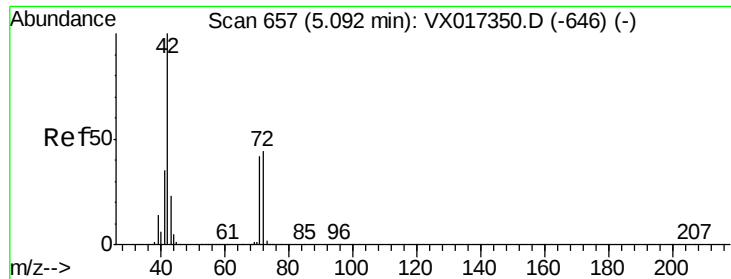


#28

Bromochloromethane
Concen: 18.148 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	87.1	71.1	106.7





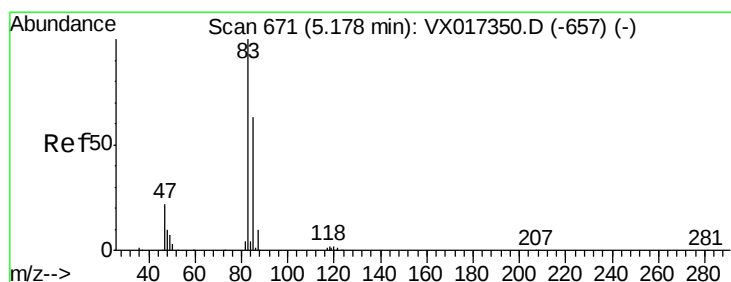
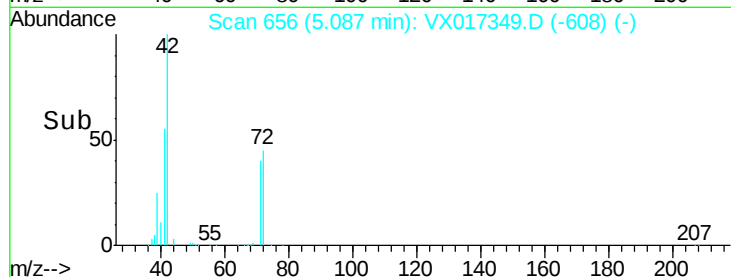
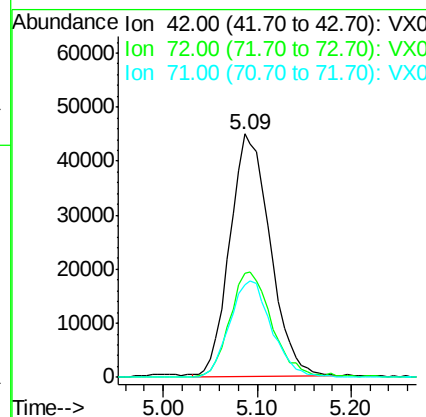
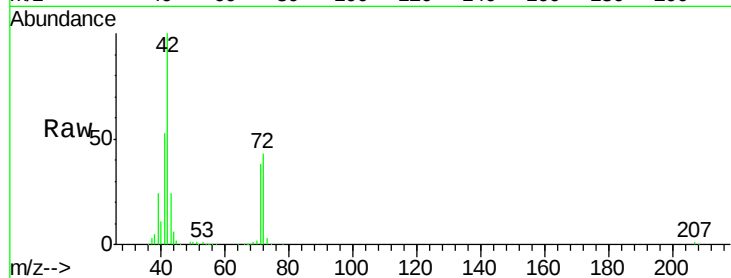
#29
Tetrahydrofuran
Concen: 88.371 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.2	55.8
71	41.7	34.4	51.6

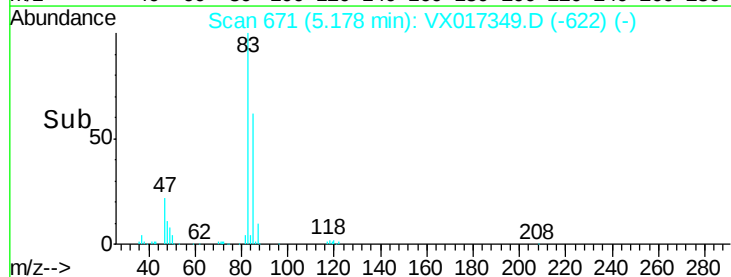
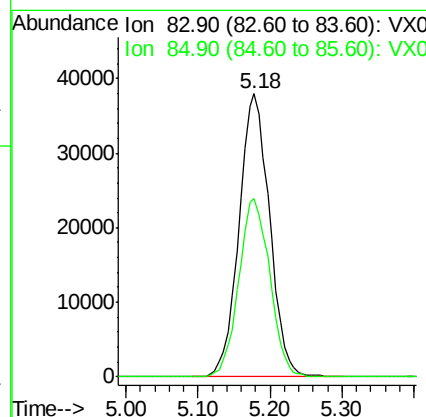
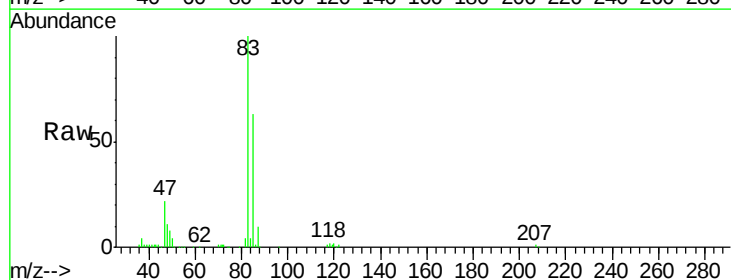
Manual Integrations
APPROVED

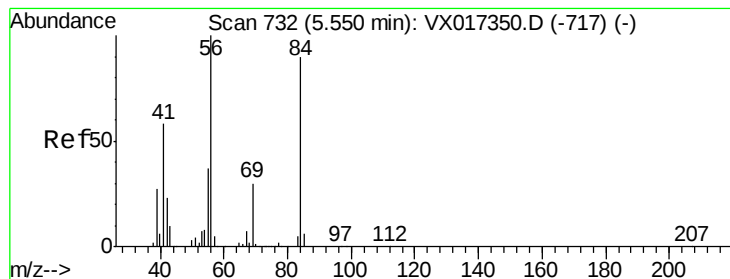
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#30
Chloroform
Concen: 18.812 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.2	75.4





#31

Cvclohexane

Concen: 17.074 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

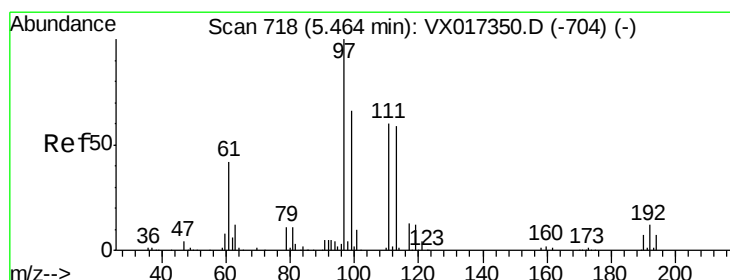
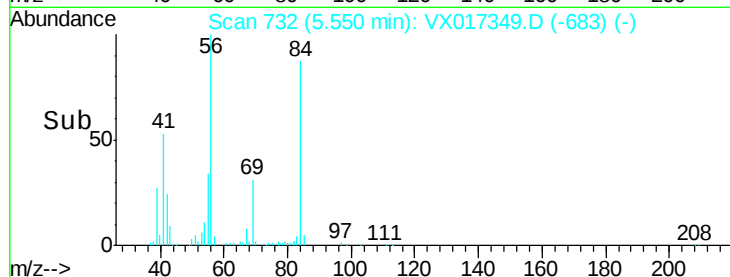
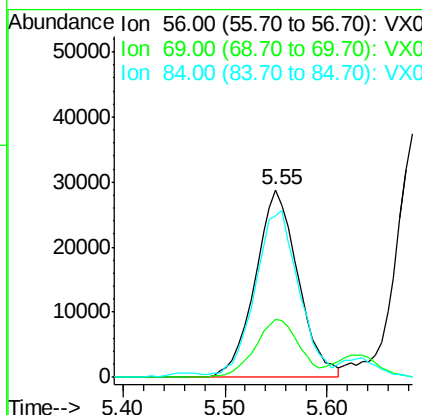
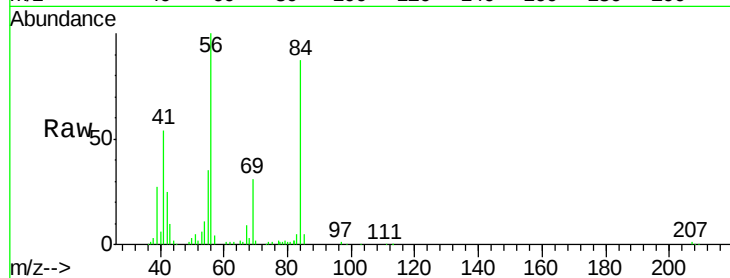
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	84042
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.7	35.5
84	84.1	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 18.936 ug/l

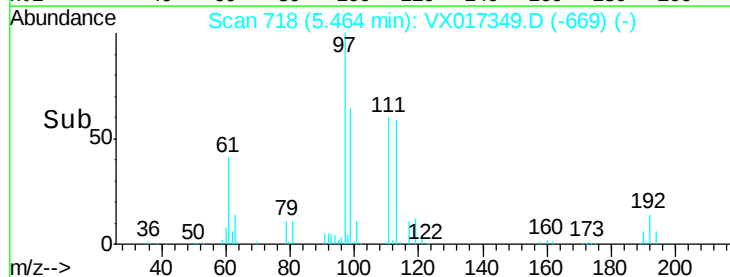
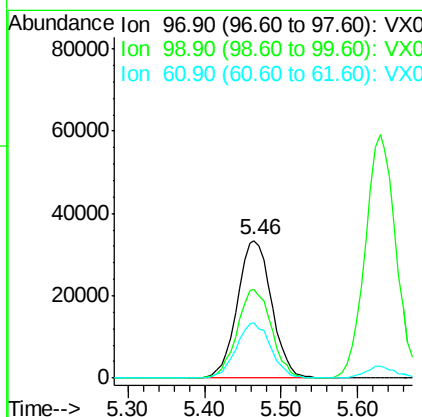
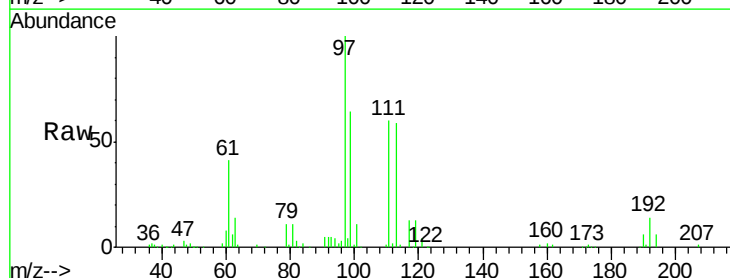
RT: 5.46 min Scan# 718

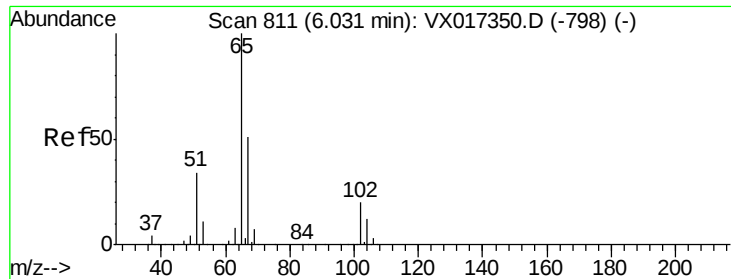
Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion:	97	Resp:	104184
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	40.5	32.7	49.1





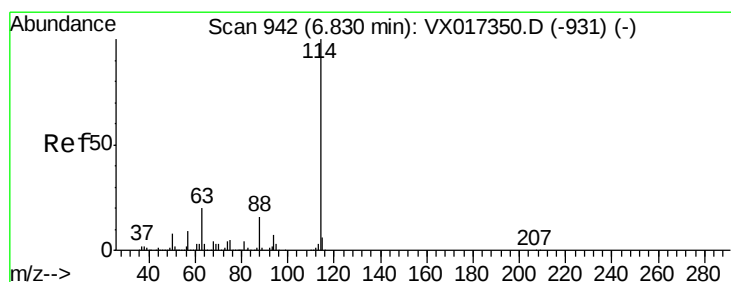
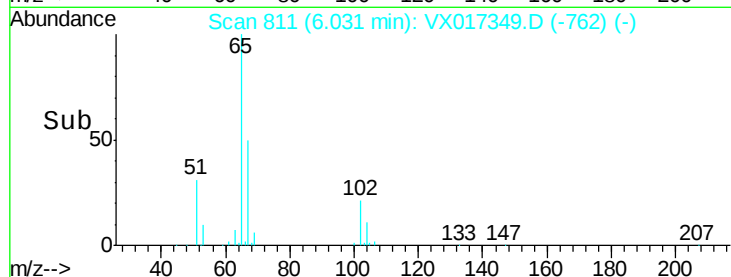
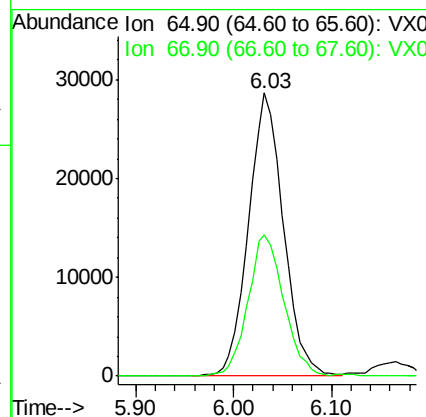
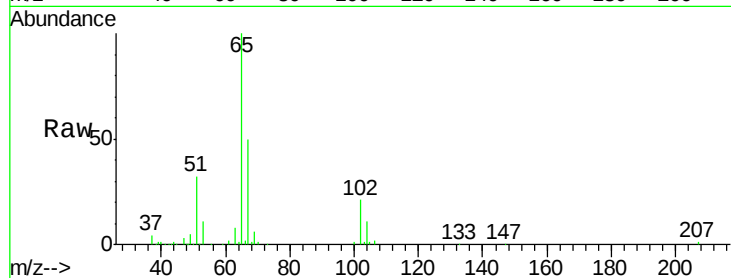
#33
 1,2-Dichloroethane-d4
 Concen: 18.900 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.6

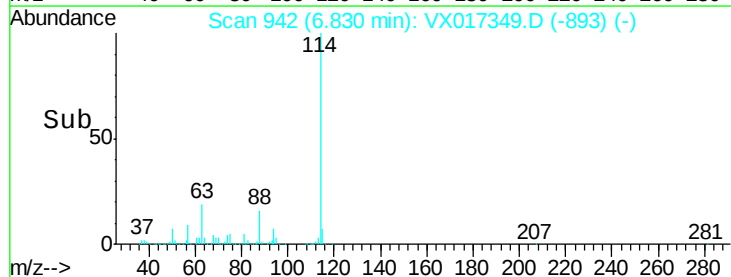
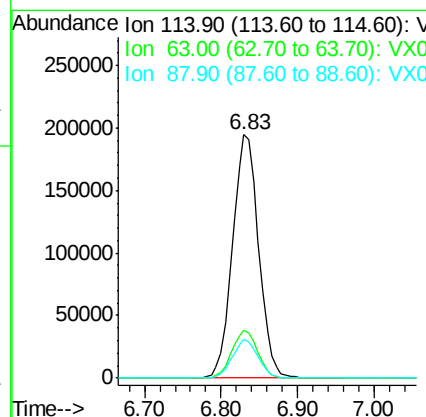
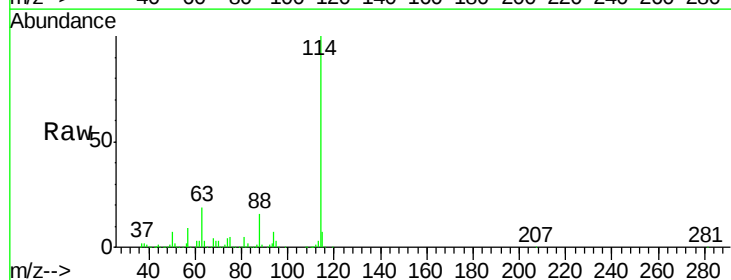
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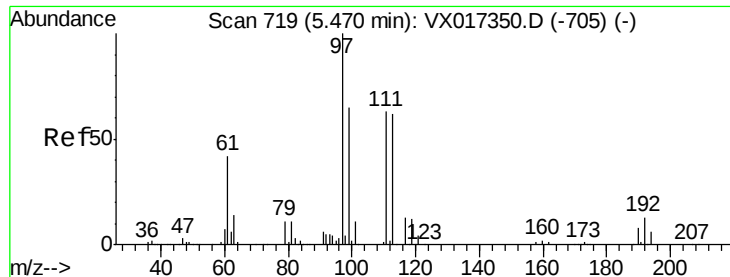
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	15.9	0.0	32.8





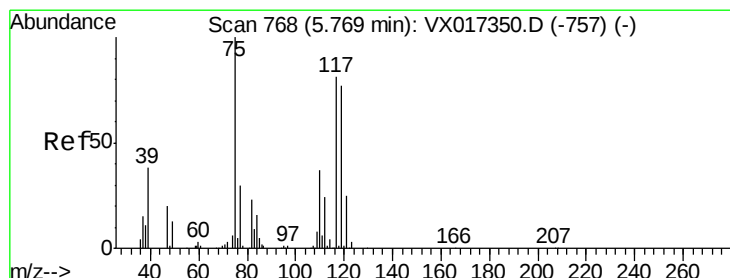
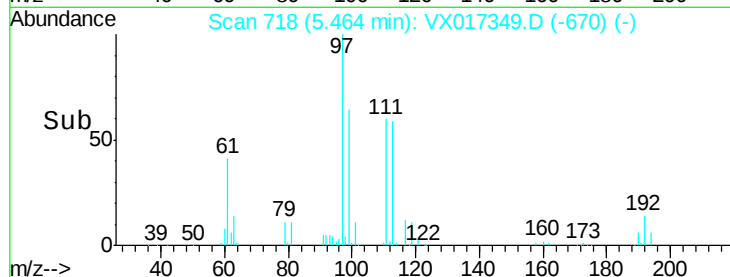
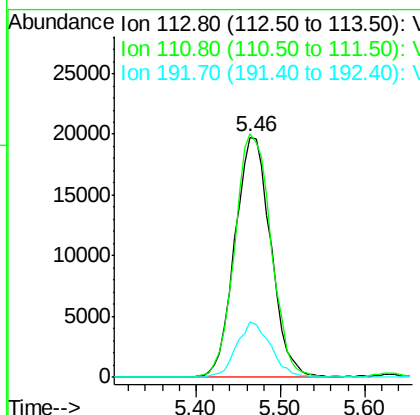
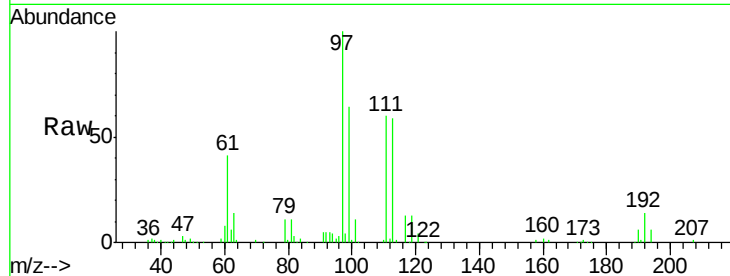
#35
Dibromofluoromethane
Concen: 19.324 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	56868		
111	102.8		82.4	123.6
192	21.8		17.2	25.8

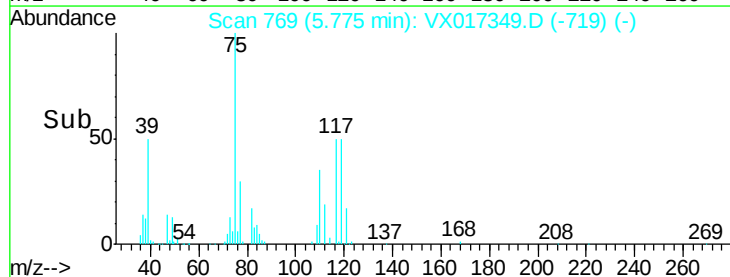
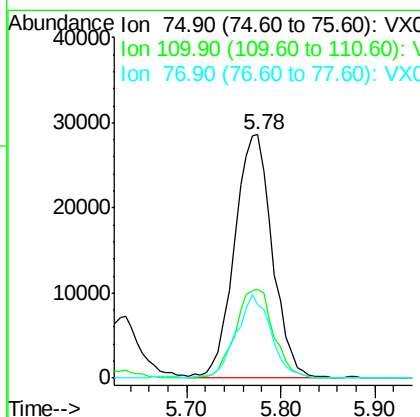
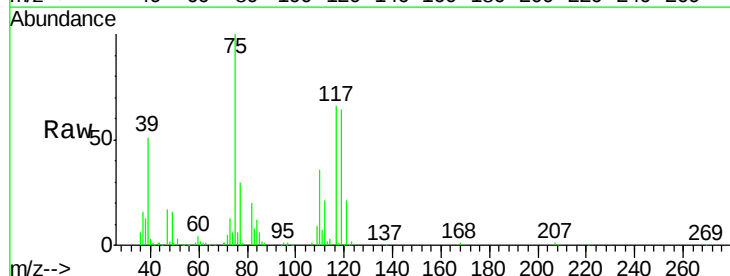
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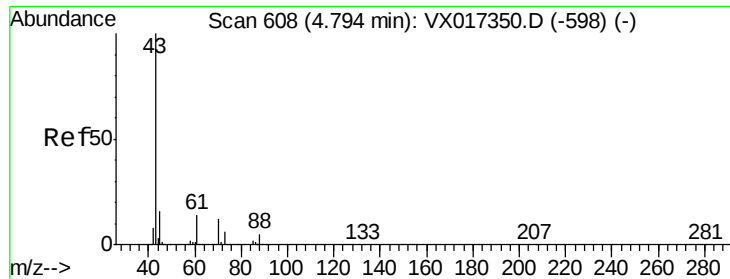
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#36
1,1-Dichloropropene
Concen: 18.397 ug/l
RT: 5.78 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79681		
110	37.1		18.6	55.8
77	31.8		24.9	37.3





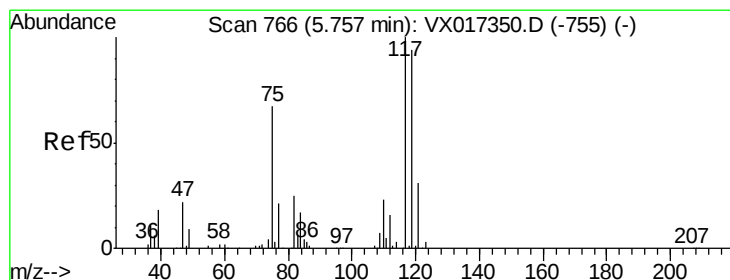
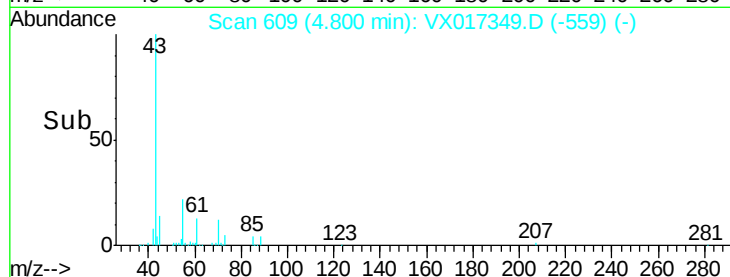
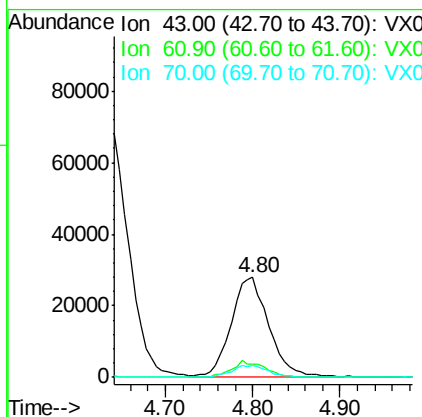
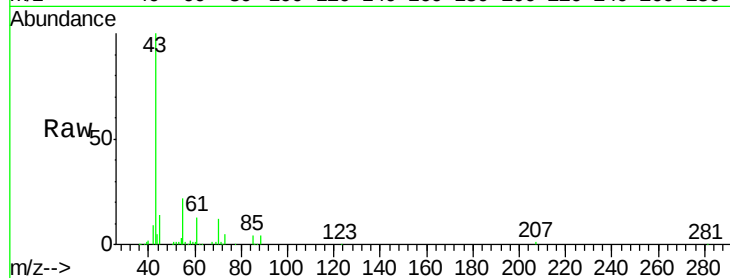
#37
Ethyl Acetate
Concen: 18.884 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.7	16.1
70	12.3	9.0	13.6

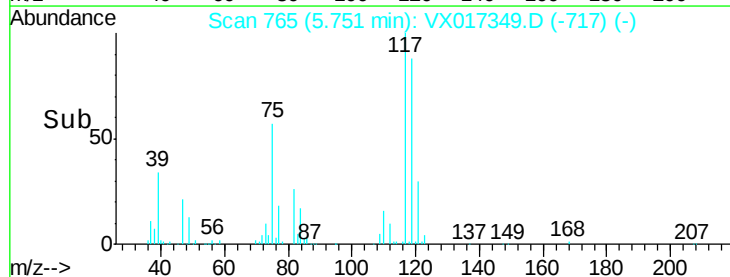
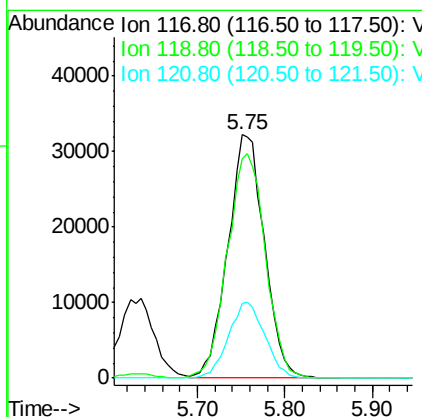
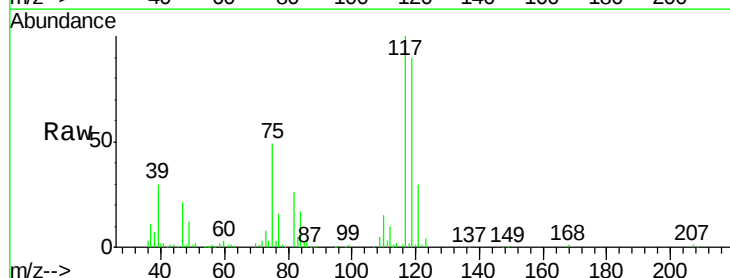
Manual Integrations
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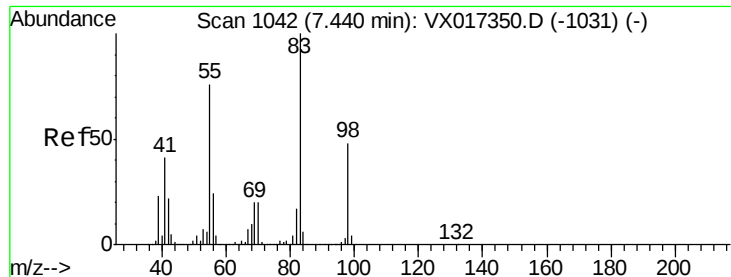
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#38
Carbon Tetrachloride
Concen: 19.463 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	74.7	112.1
121	30.4	24.5	36.7





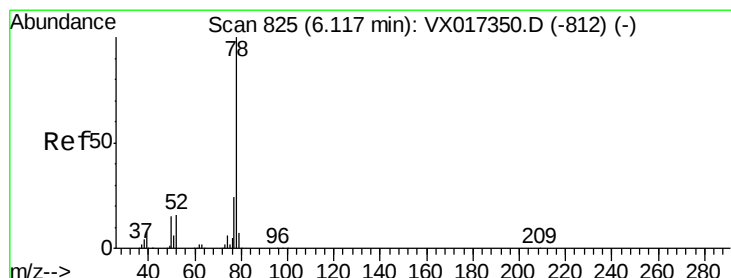
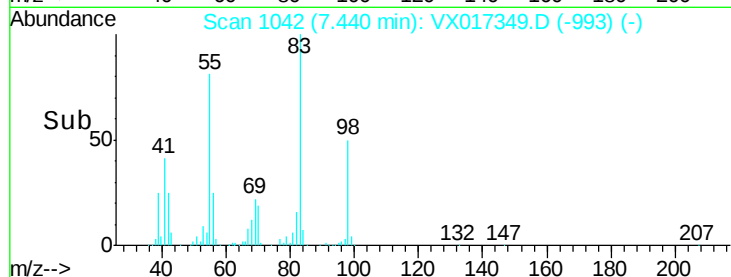
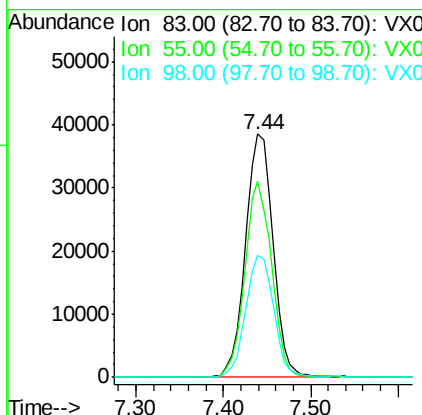
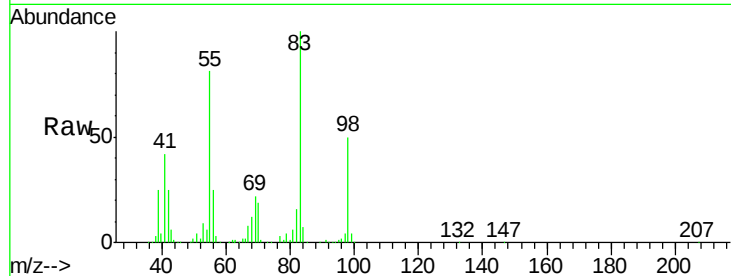
#39
Methvlcvclohexane
Concen: 17.642 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.2	91.8
98	50.1	38.1	57.1

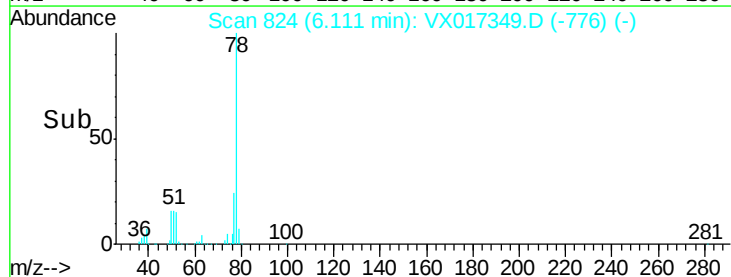
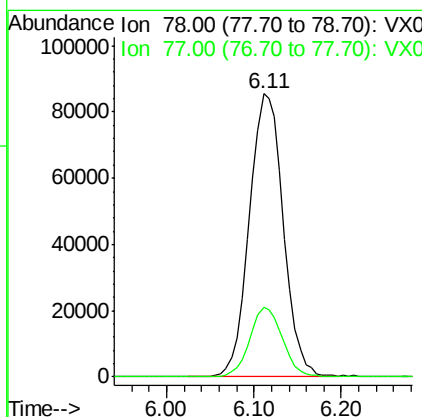
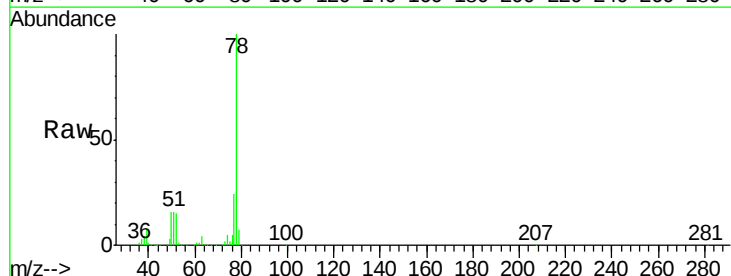
Manual Integrations
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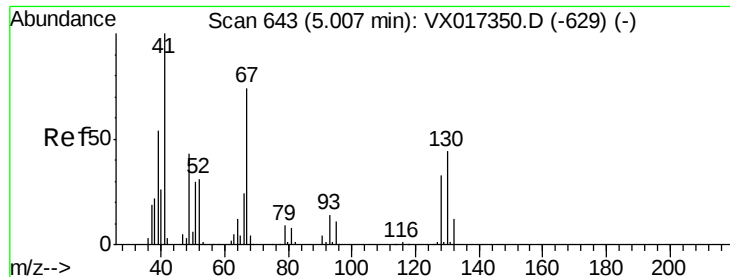
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#40
Benzene
Concen: 18.200 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3





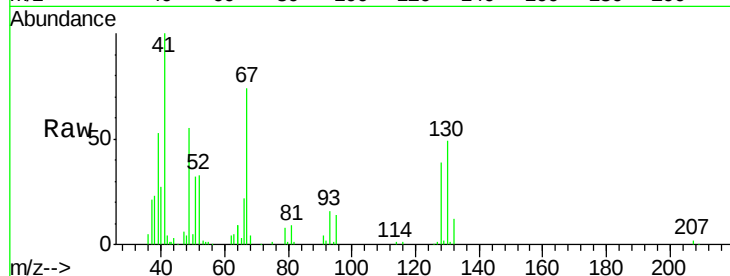
#41
Methacrylonitrile
Concen: 18.029 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

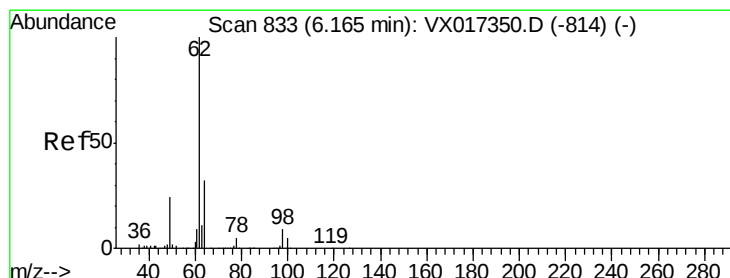
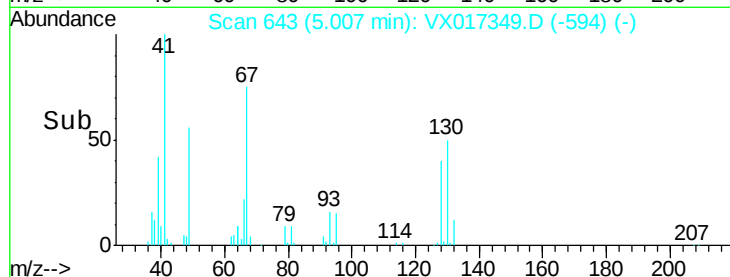
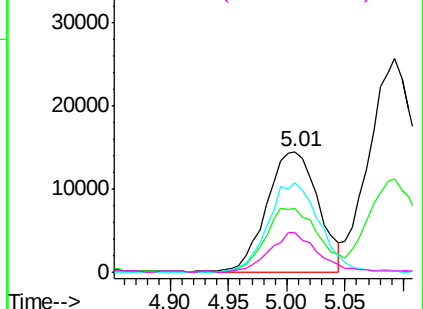
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	43.8	65.8	
67	74.2	58.7	88.1	
52	31.7	24.9	37.3	

Manual Integrations
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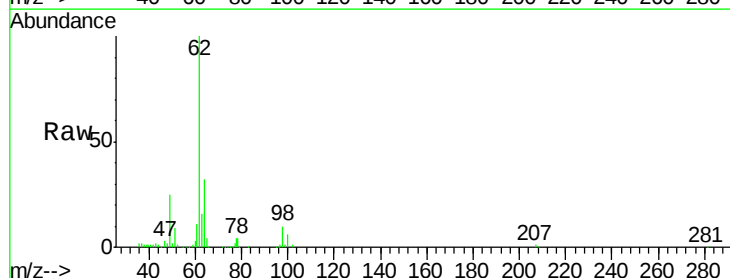


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

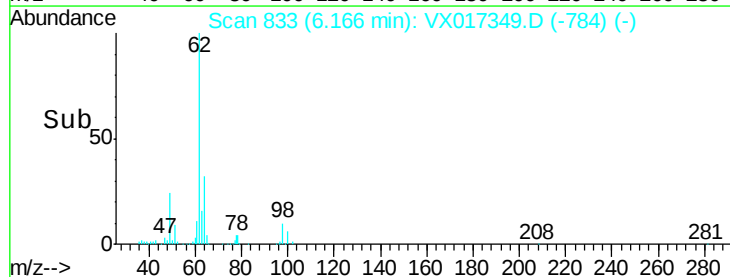
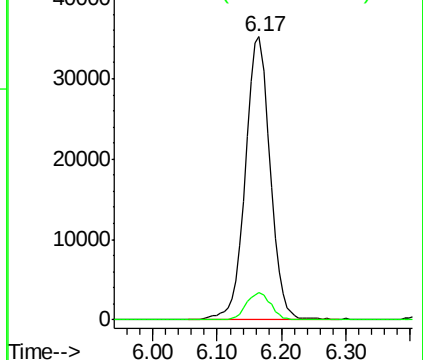


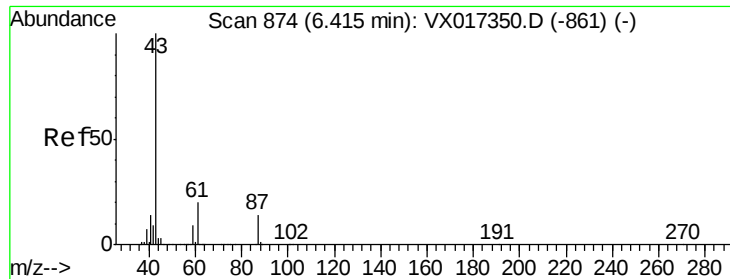
#42
1,2-Dichloroethane
Concen: 20.016 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.4	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





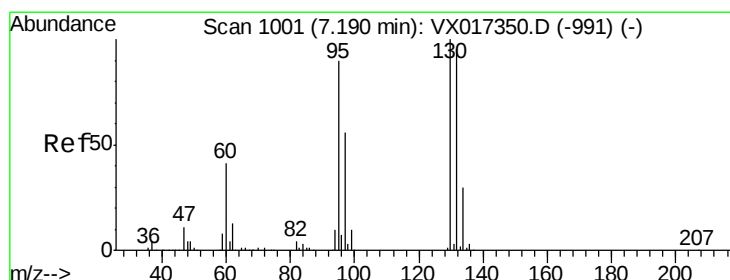
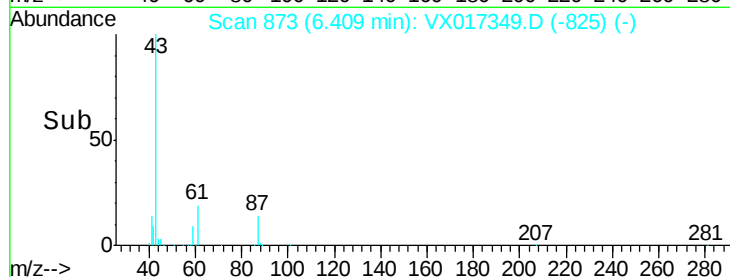
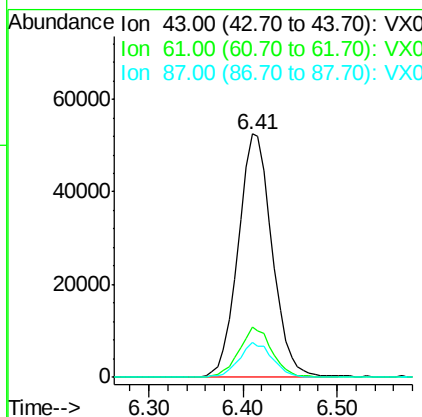
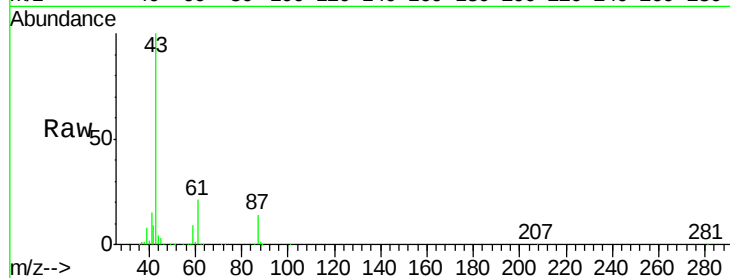
#43
Isopropyl Acetate
Concen: 18.101 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.4	24.6
87	14.0	11.2	16.8

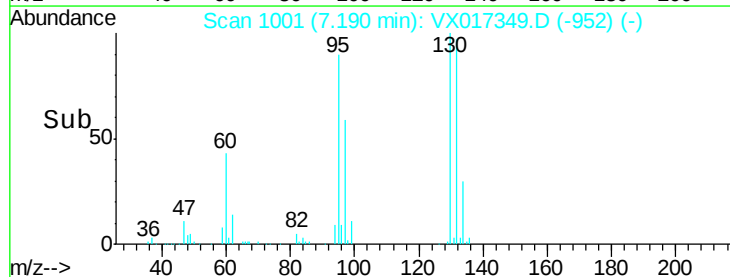
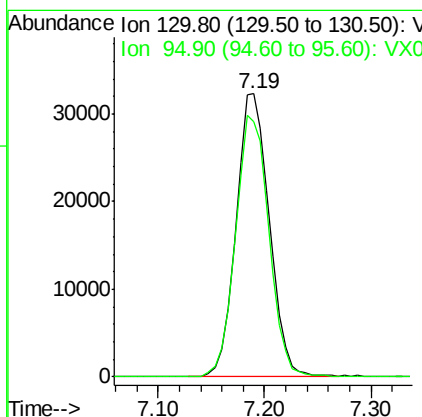
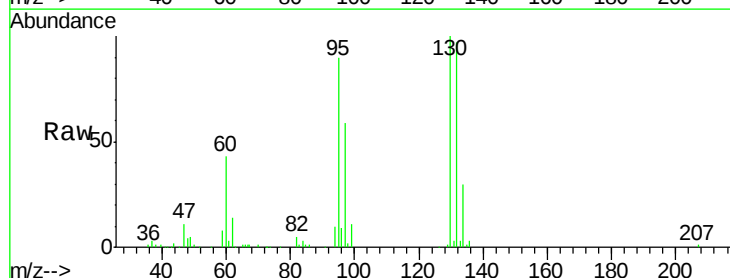
Manual Integrations
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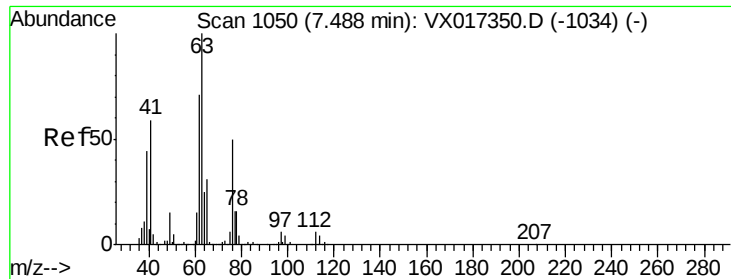
MMDadoda
7/14/2020 11:35:47 AM



#44
Trichloroethene
Concen: 18.386 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	180.2





#45

1,2-Dichloropropane

Concen: 18.247 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 59420

Ion Ratio Lower Upper

63 100

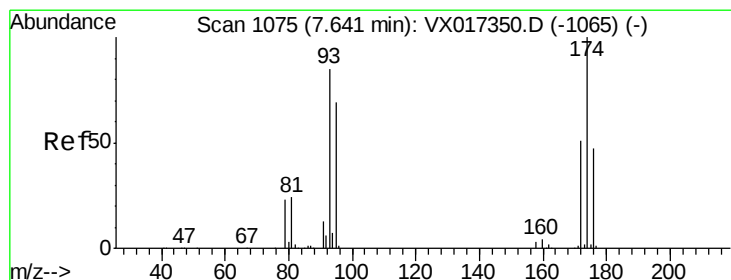
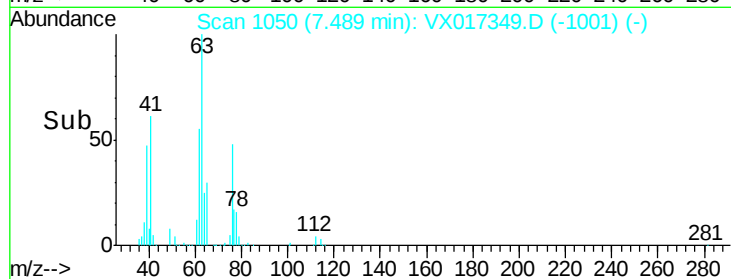
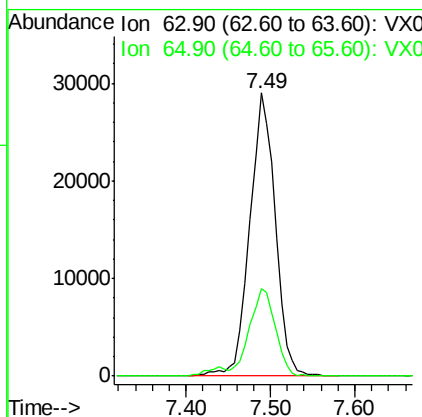
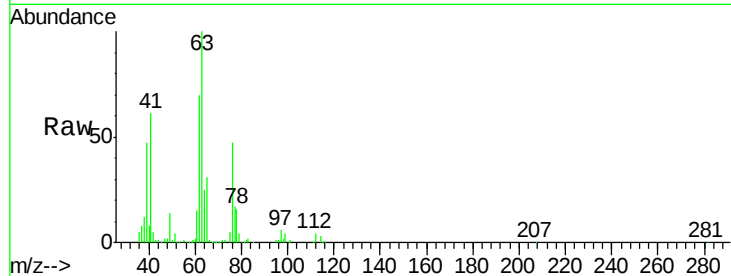
65 31.0 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 19.375 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

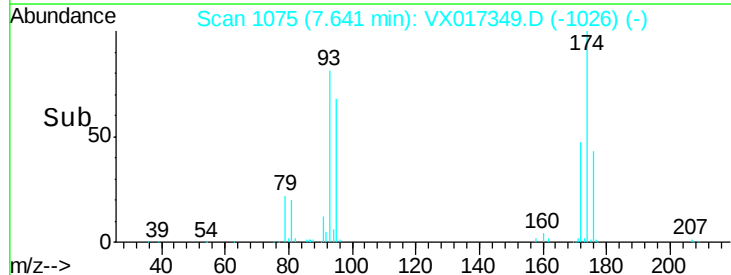
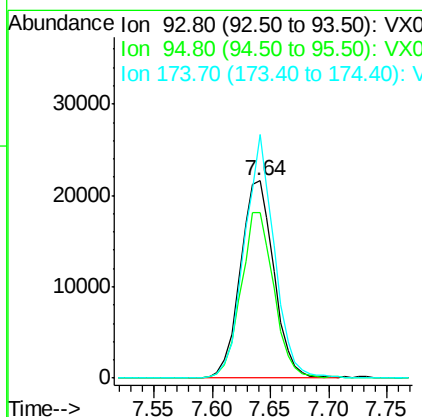
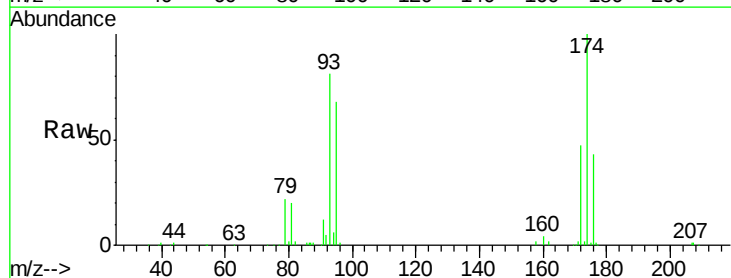
Tgt Ion: 93 Resp: 43363

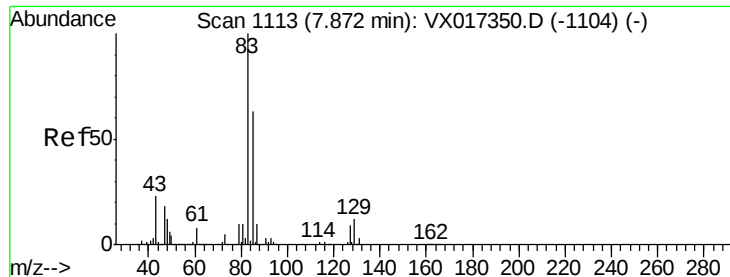
Ion Ratio Lower Upper

93 100

95 82.9 65.4 98.2

174 110.7 91.2 136.8





#47

Bromodichloromethane

Concen: 19.369 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

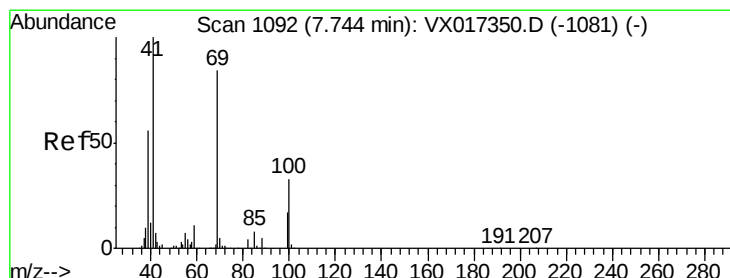
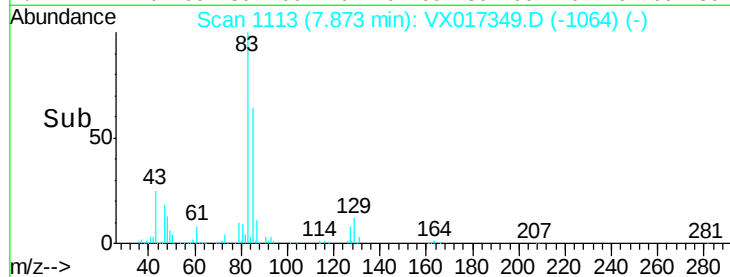
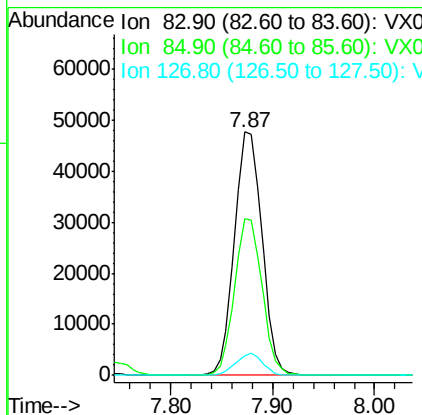
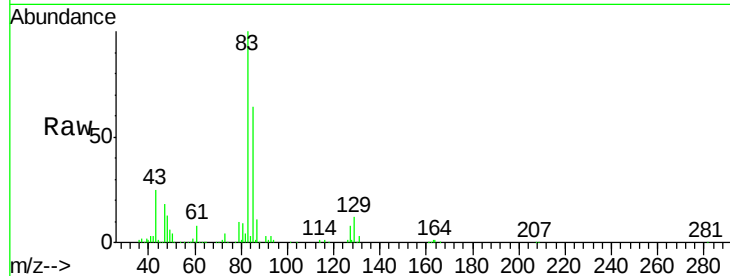
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	89541
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	8.3	7.1	10.7

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#48

Methyl methacrylate

Concen: 18.169 ug/l

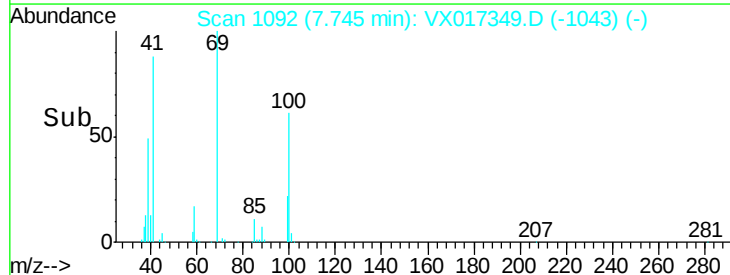
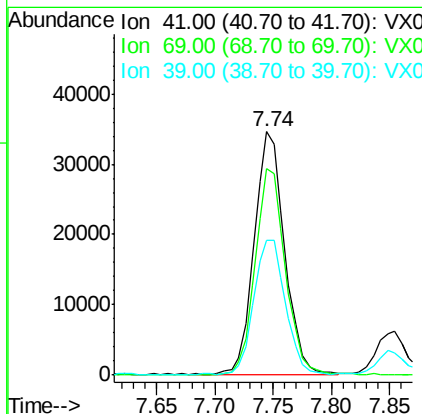
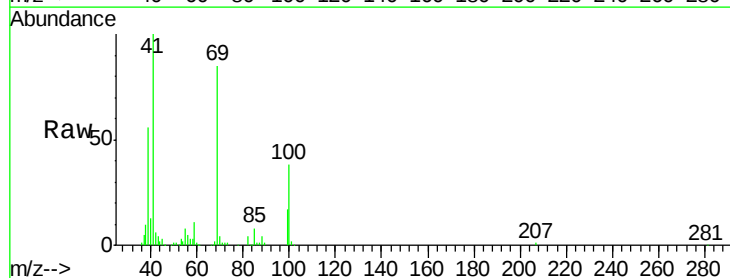
RT: 7.74 min Scan# 1092

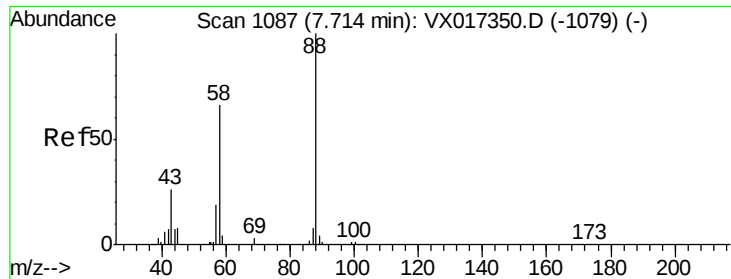
Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion:	41	Resp:	62705
Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.8	101.6
39	58.9	45.1	67.7





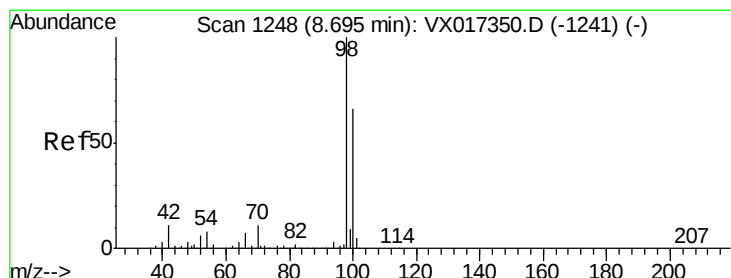
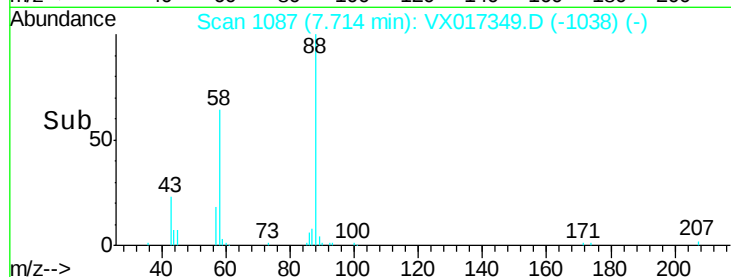
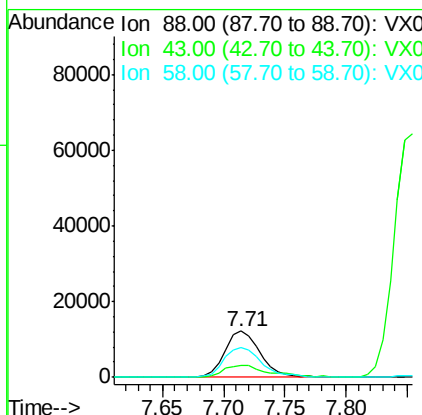
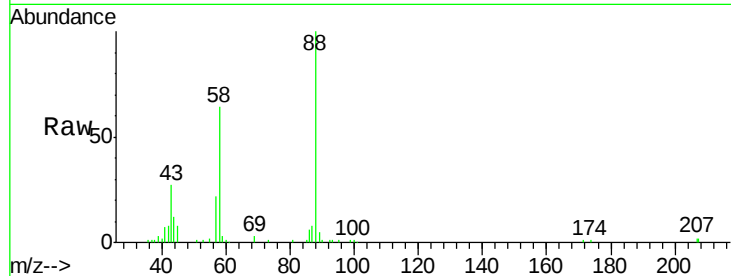
#49
1,4-Dioxane
Concen: 316.825 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	25.6	38.4
58	68.7	53.9	80.9

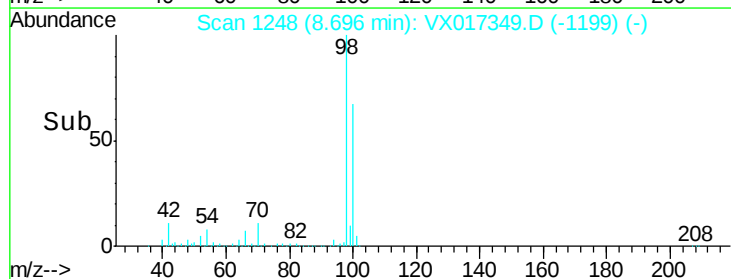
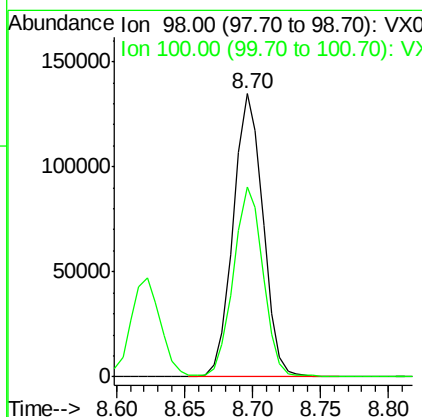
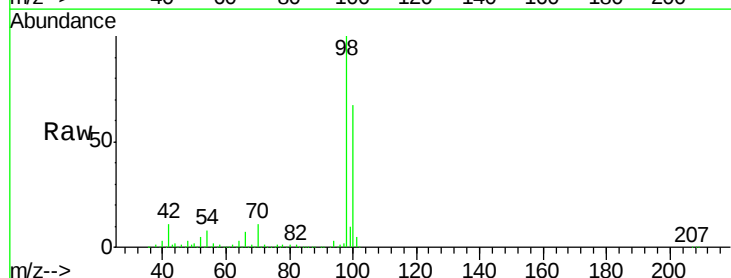
Manual Integrations
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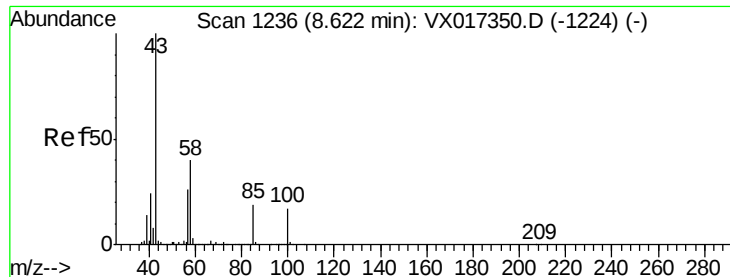
MMDadoda
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#50
Toluene-d8
Concen: 18.816 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 94.637 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 411185

Ion Ratio Lower Upper

43 100

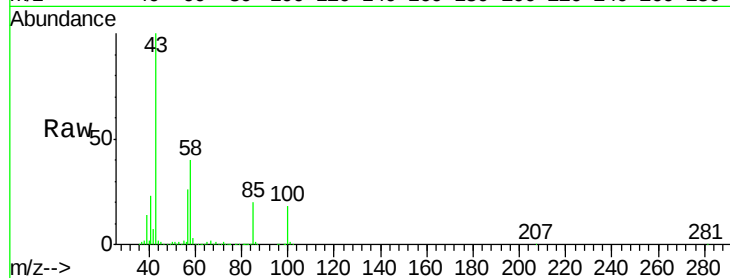
58 39.8 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300000

250000

200000

150000

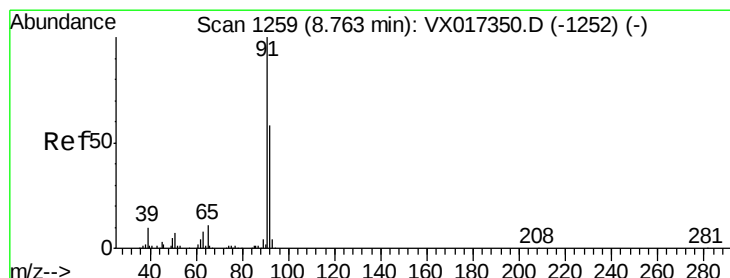
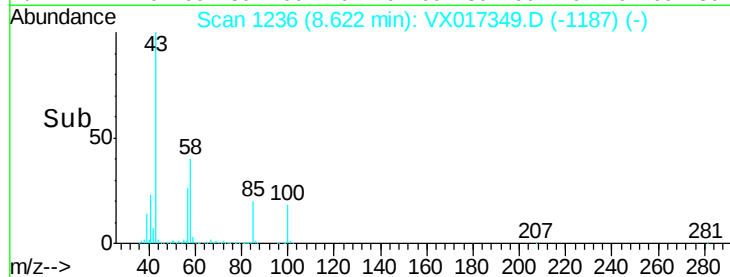
100000

50000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 18.651 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017349.D

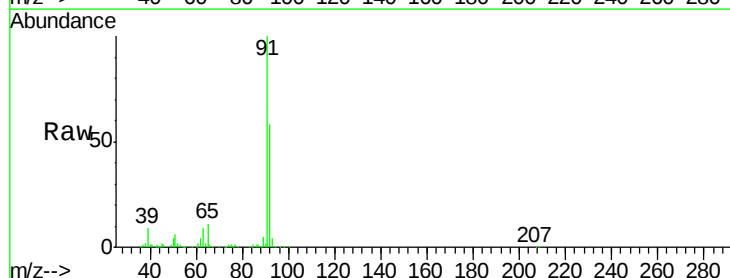
Acq: 13 Jul 2020 11:01

Tgt Ion: 92 Resp: 148435

Ion Ratio Lower Upper

92 100

91 173.9 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

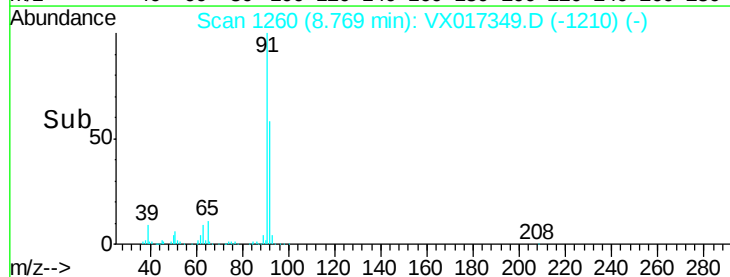
100000

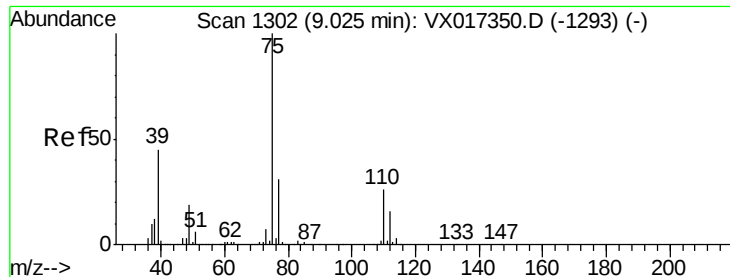
50000

0

8.70 8.75 8.80 8.85

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.717 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 95386

Ion Ratio Lower Upper

75 100

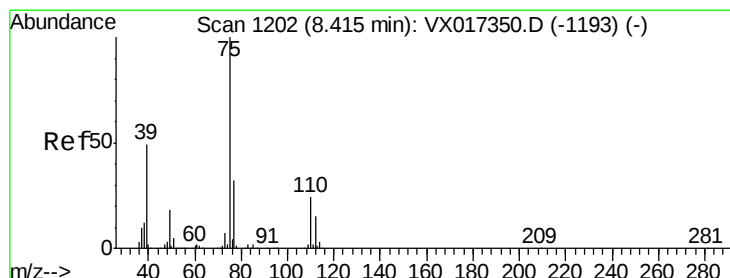
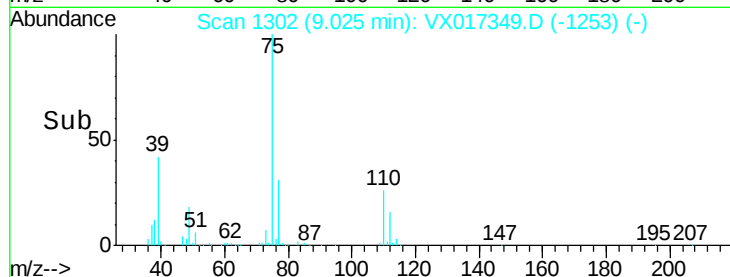
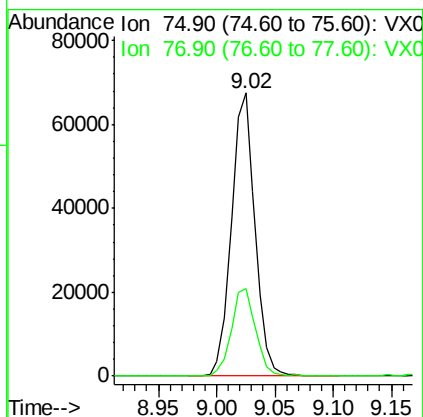
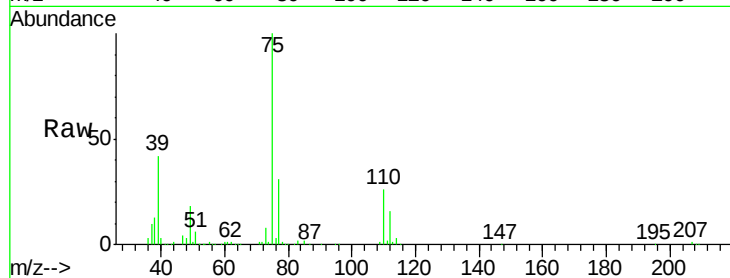
77 30.9 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.653 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

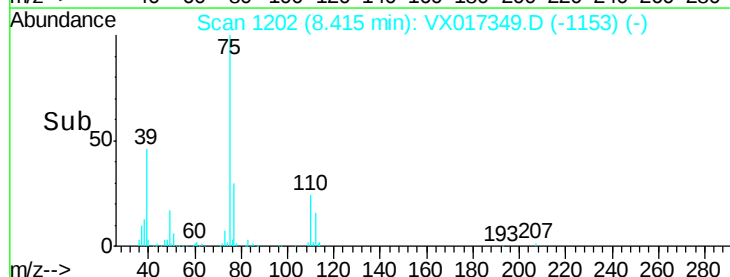
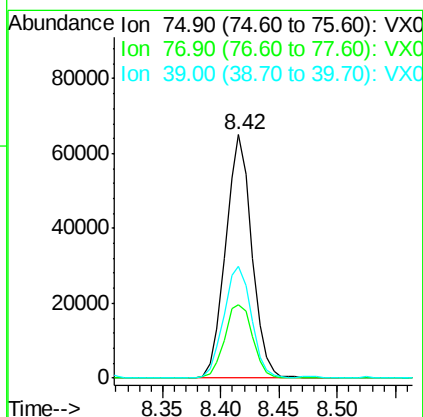
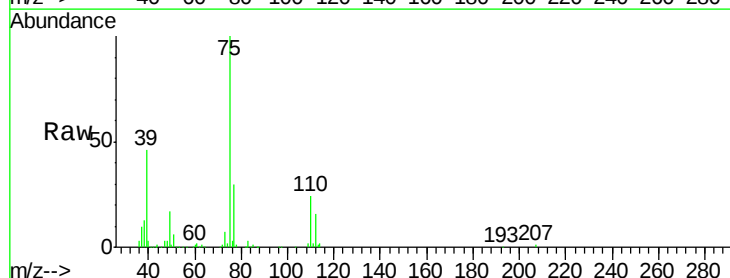
Tgt Ion: 75 Resp: 101700

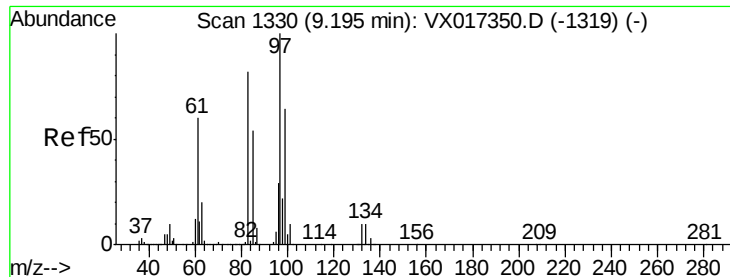
Ion Ratio Lower Upper

75 100

77 30.0 25.3 37.9

39 45.8 38.9 58.3





#55

1,1,2-Trichloroethane

Concen: 18.927 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

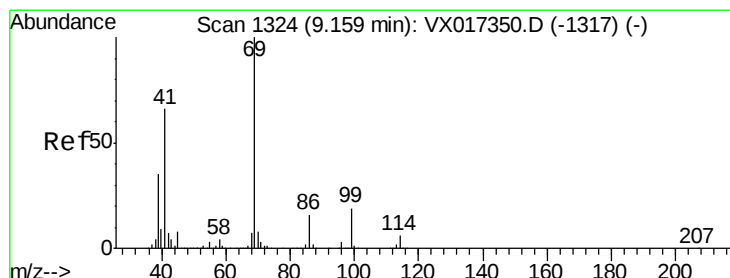
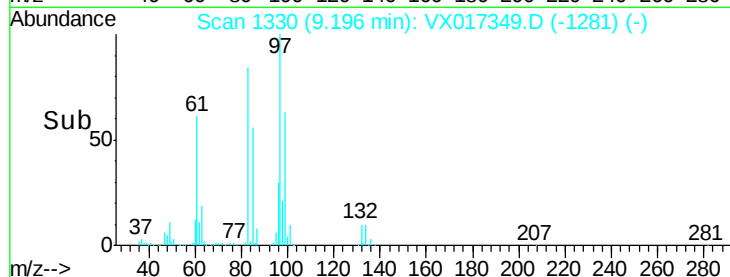
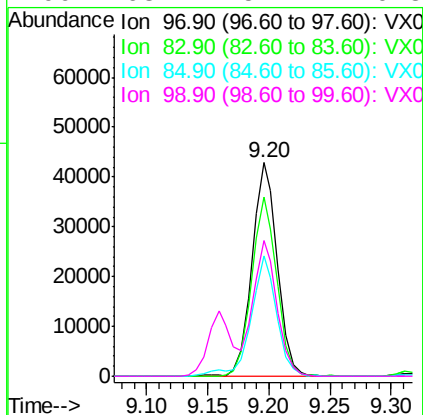
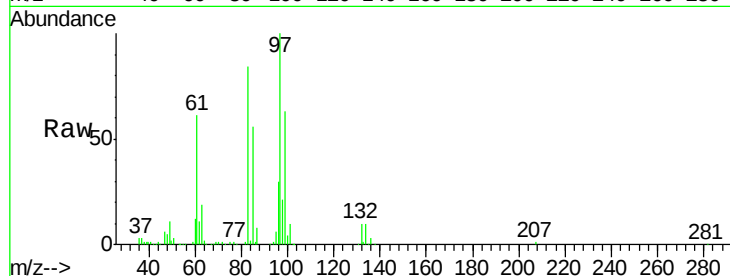
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	61830
Ion	Ratio	Lower	Upper
97	100		
83	83.8	65.8	98.6
85	56.3	42.8	64.2
99	63.1	51.2	76.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.577 ug/l

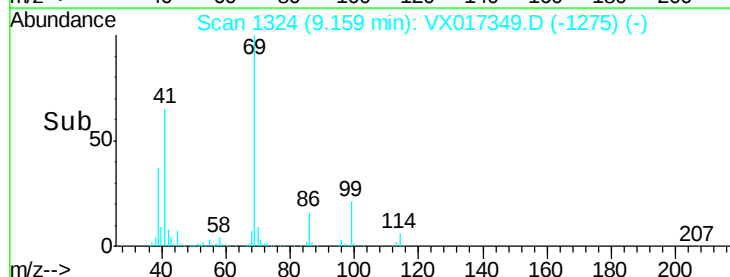
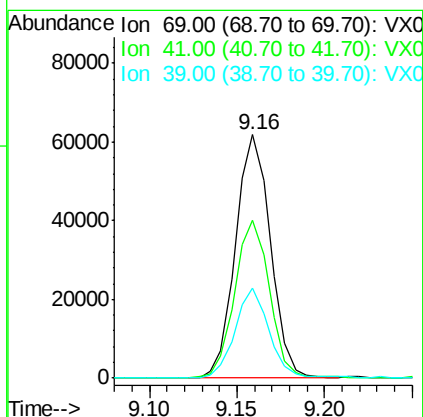
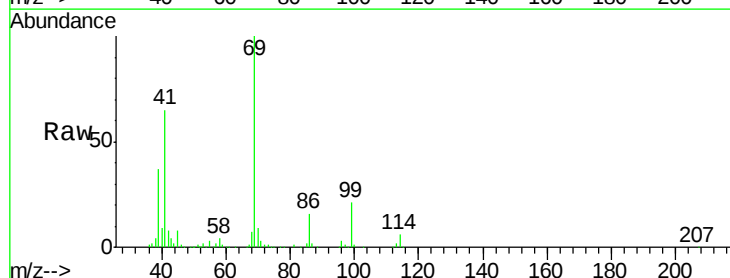
RT: 9.16 min Scan# 1324

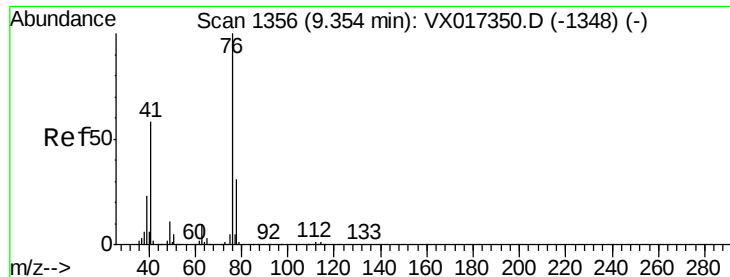
Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion:	69	Resp:	86058
Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.6	78.8
39	35.8	28.8	43.2





#57

1,3-Dichloropropane

Concen: 18.440 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 101563

Ion Ratio Lower Upper

76 100

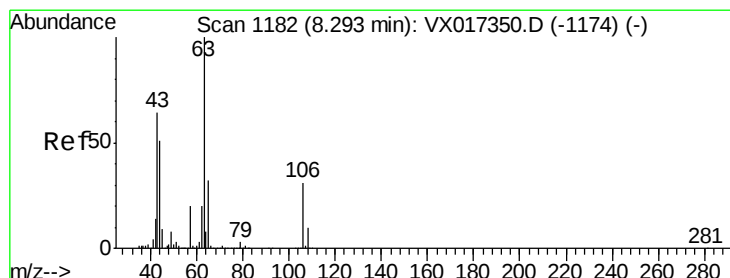
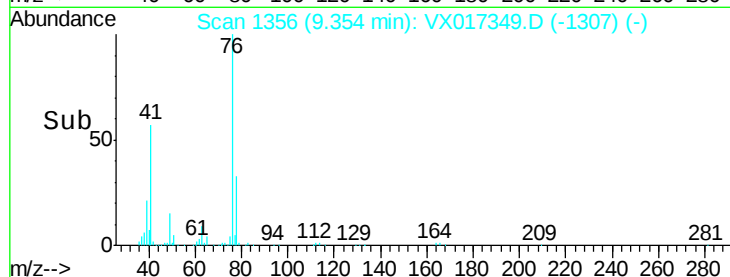
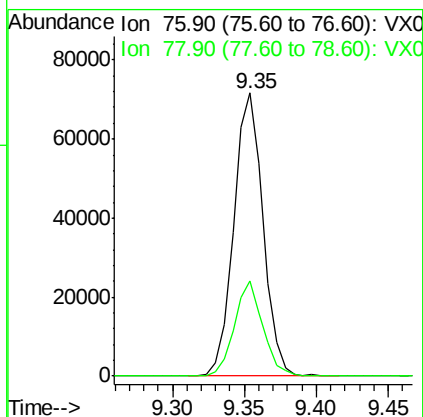
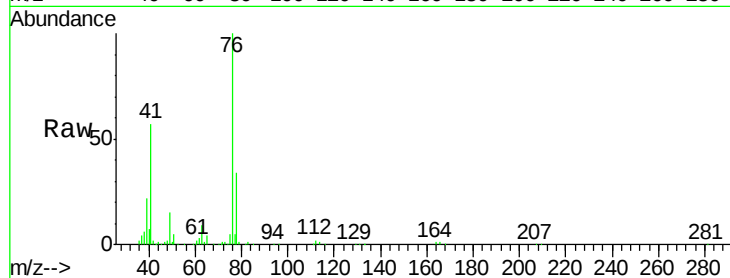
78 32.5 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 102.430 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017349.D

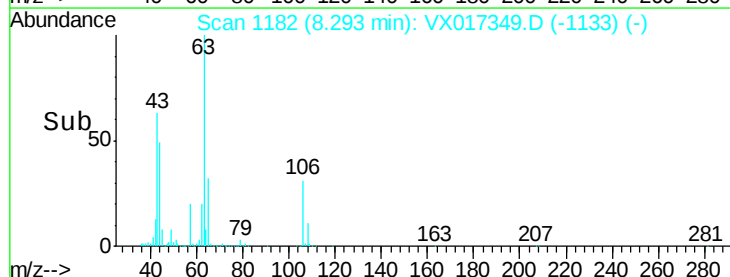
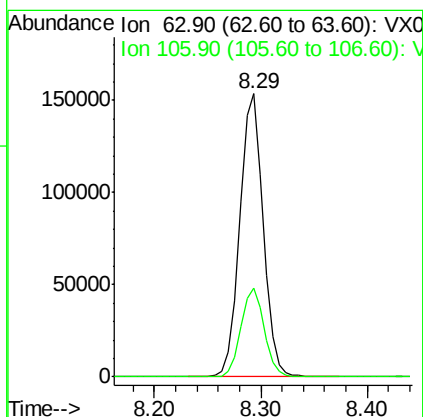
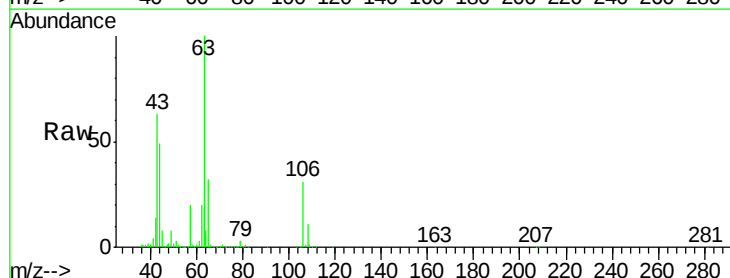
Acq: 13 Jul 2020 11:01

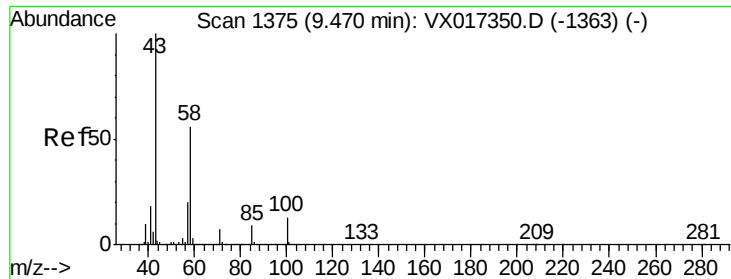
Tgt Ion: 63 Resp: 237074

Ion Ratio Lower Upper

63 100

106 31.3 24.8 37.2





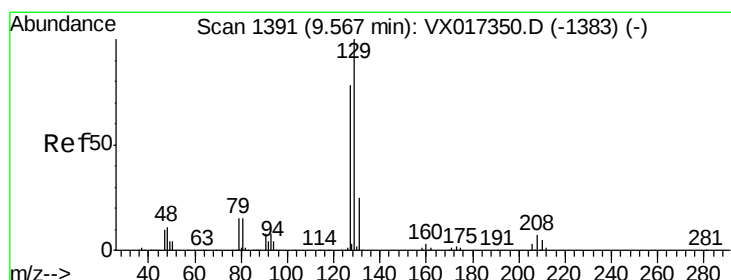
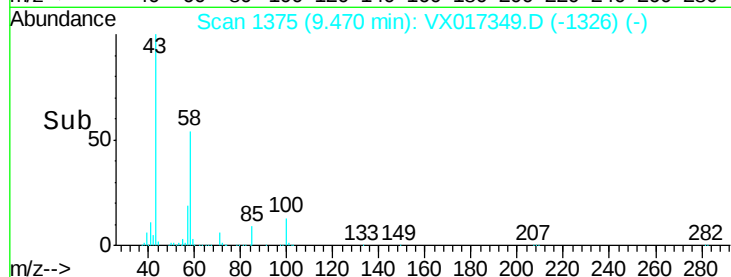
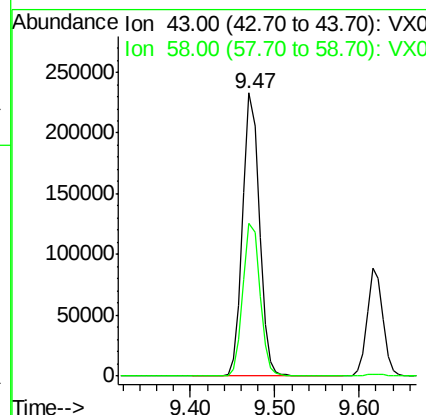
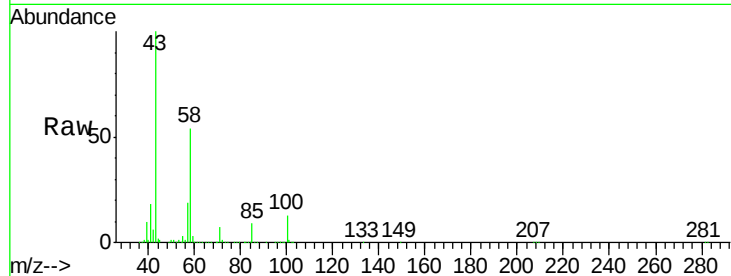
#59
2-Hexanone
Concen: 96.515 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 307973
Ion Ratio Lower Upper
43 100
58 55.3 28.1 84.3

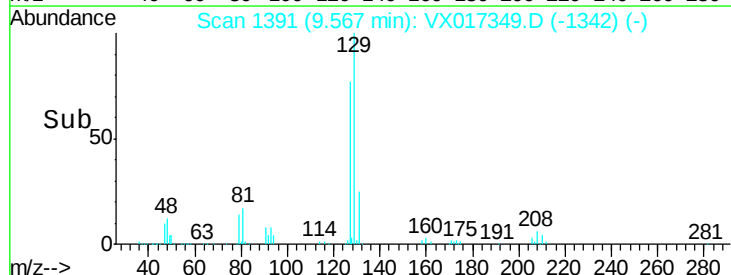
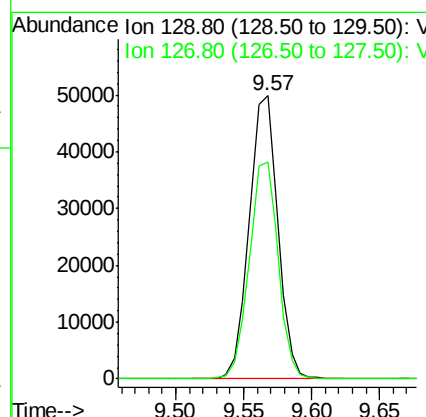
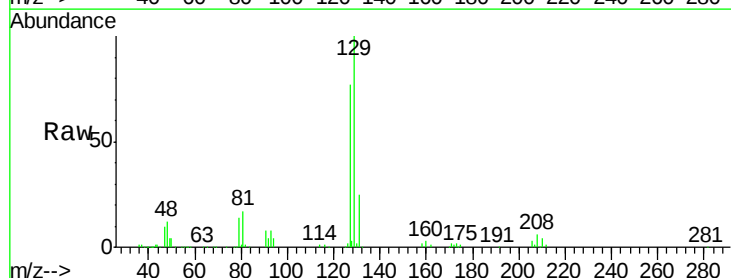
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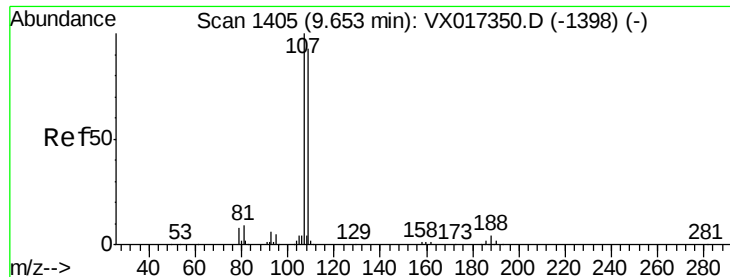
MMDadoda
7/14/2020 11:35:47 AM



#60
Dibromochloromethane
Concen: 19.355 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion: 129 Resp: 74021
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6





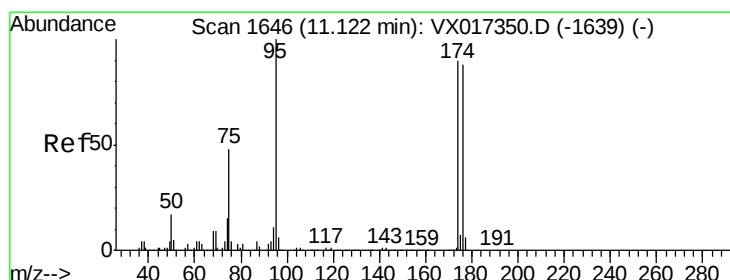
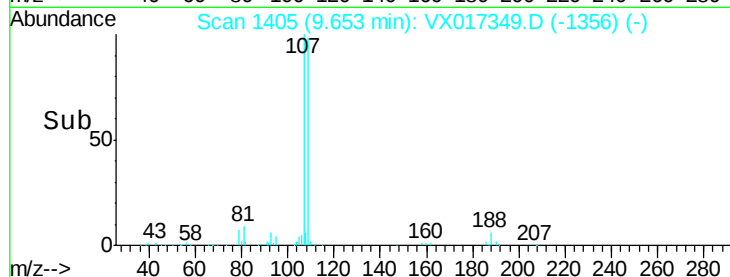
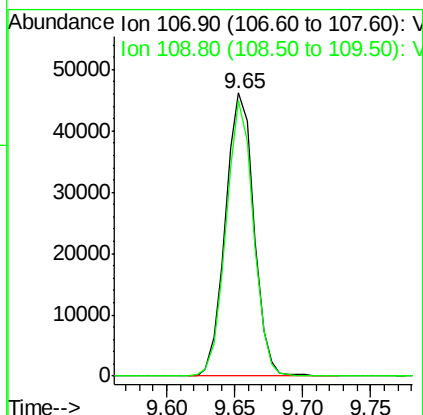
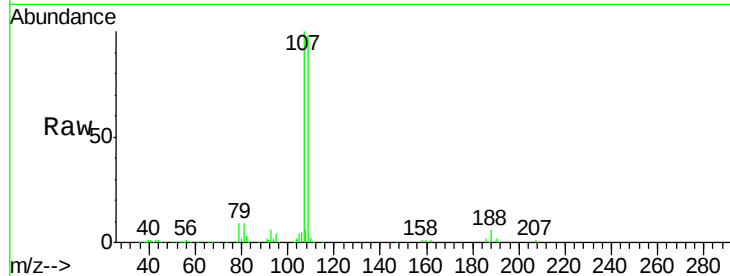
#61
 1,2-Dibromoethane
 Concen: 19.093 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.4

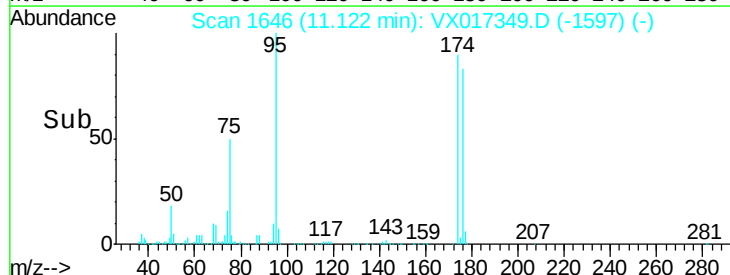
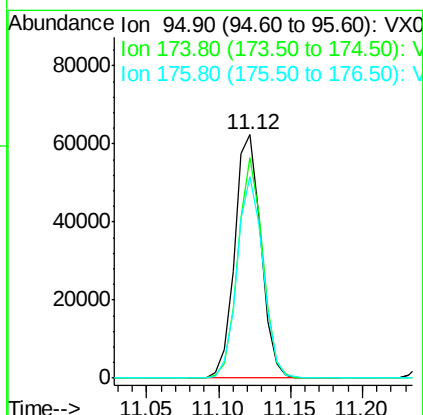
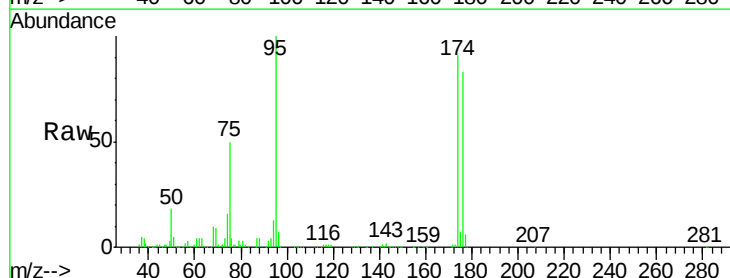
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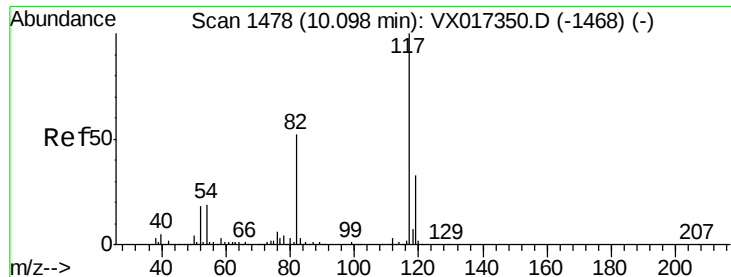
MMDadoda
 7/14/2020 11:35:47 AM



#62
 4-Bromofluorobenzene
 Concen: 18.606 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	175.8
176	81.6	0.0	164.6





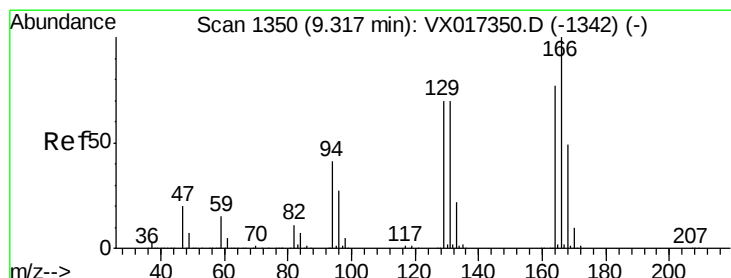
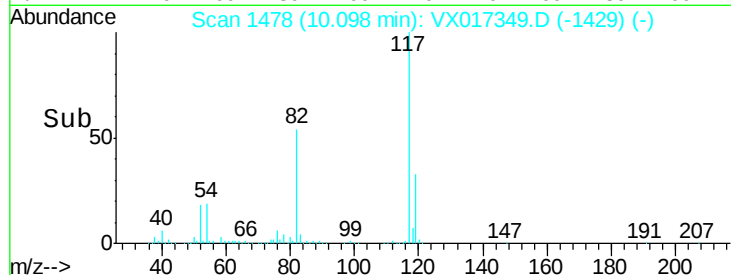
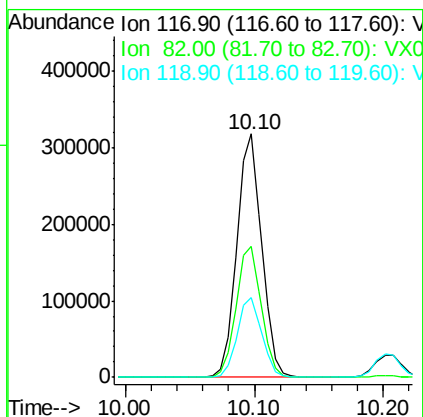
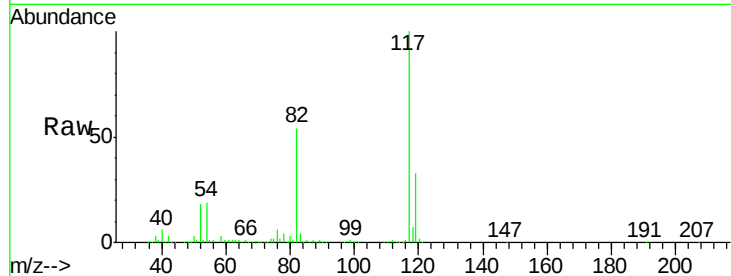
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	425194		
82	53.5	42.0	63.0	
119	32.6	26.3	39.5	

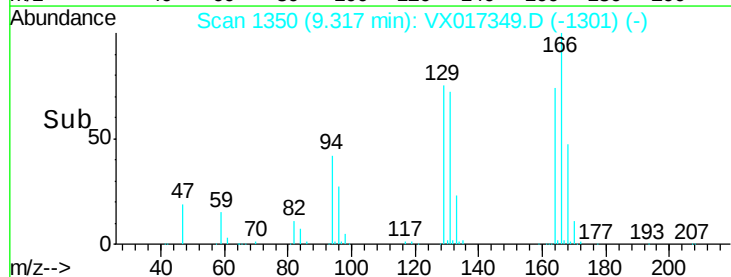
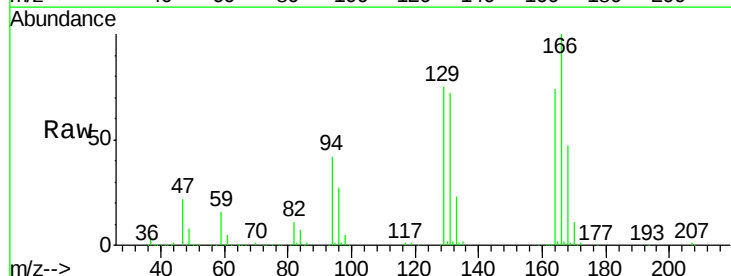
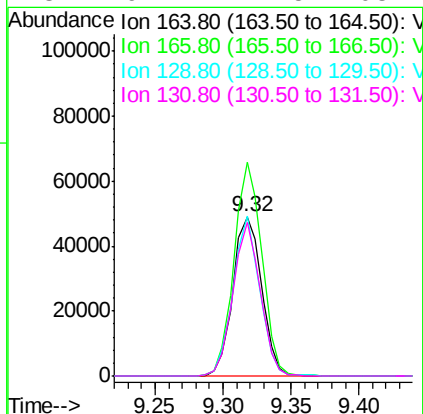
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#64
Tetrachloroethene
Concen: 20.753 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72234		
166	134.4	103.9	155.9	
129	100.6	72.9	109.3	
131	97.1	72.5	108.7	





#65

Chlorobenzene

Concen: 18.946 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 166357

Ion Ratio Lower Upper

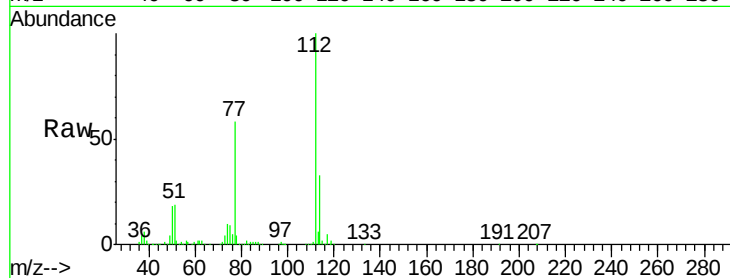
112 100

114 33.0 26.0 39.0

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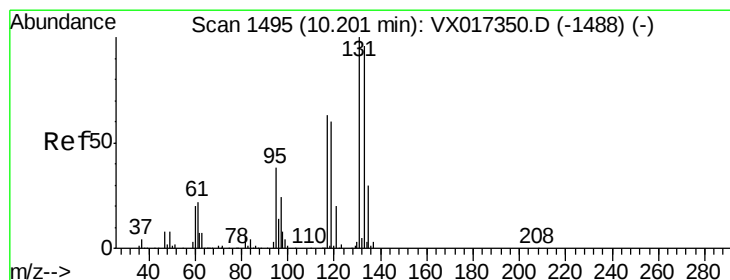
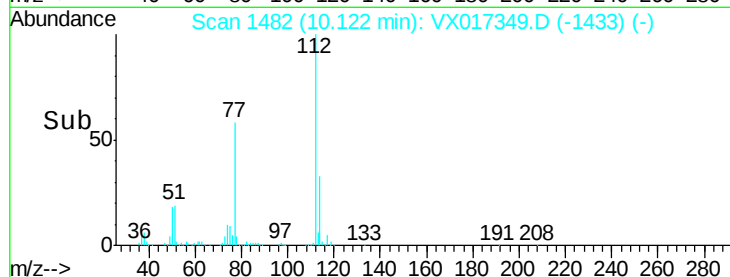
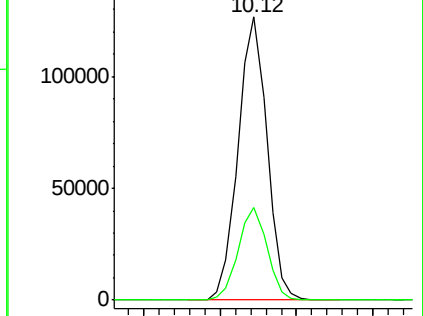
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.300 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

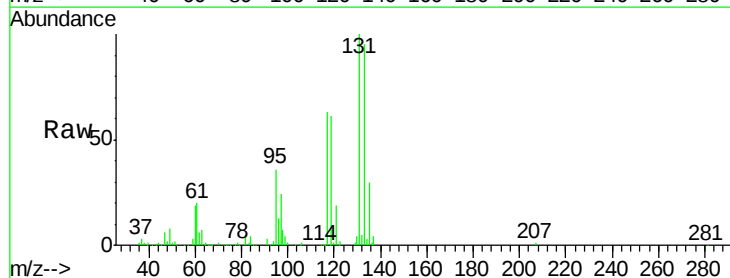
Tgt Ion:131 Resp: 65766

Ion Ratio Lower Upper

131 100

133 96.5 48.4 145.2

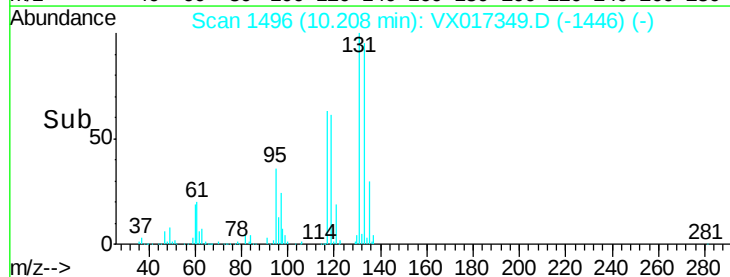
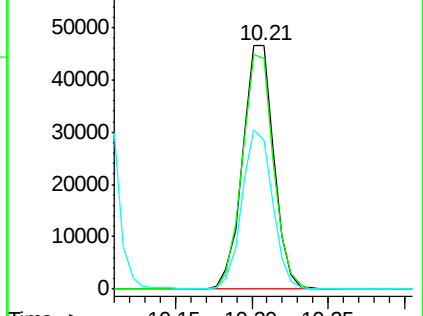
119 64.1 31.2 93.6

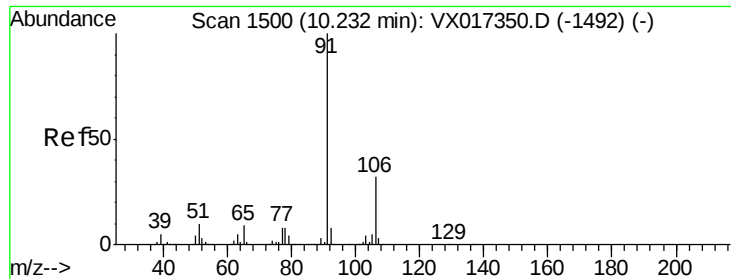


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.123 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 279970

Ion Ratio Lower Upper

91 100

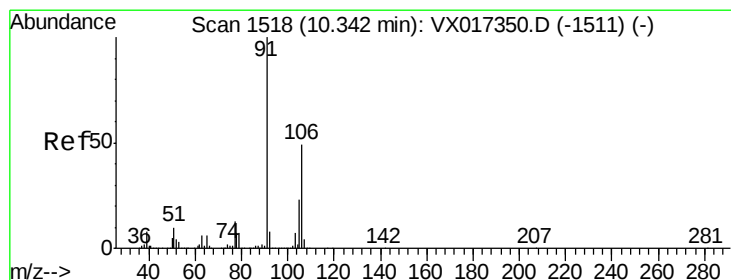
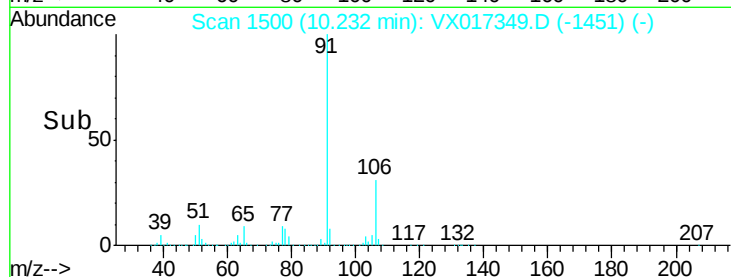
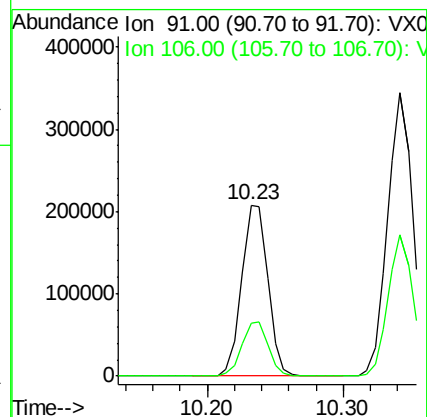
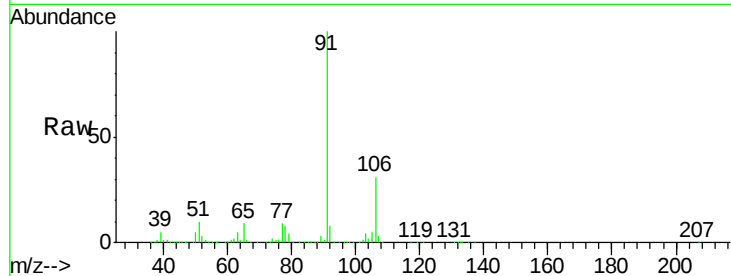
106 31.3 25.7 38.5

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#68

m/p-Xylenes

Concen: 39.421 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017349.D

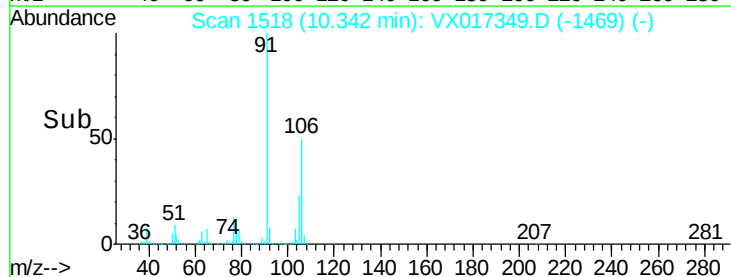
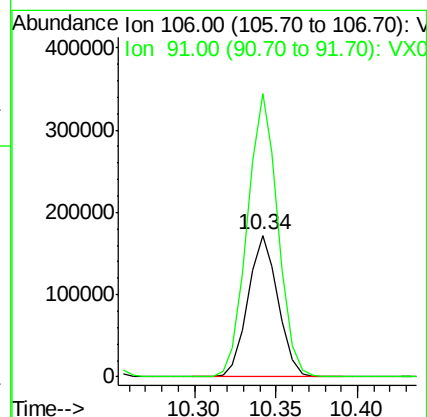
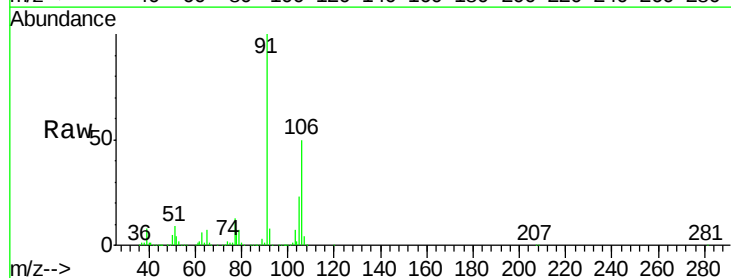
Acq: 13 Jul 2020 11:01

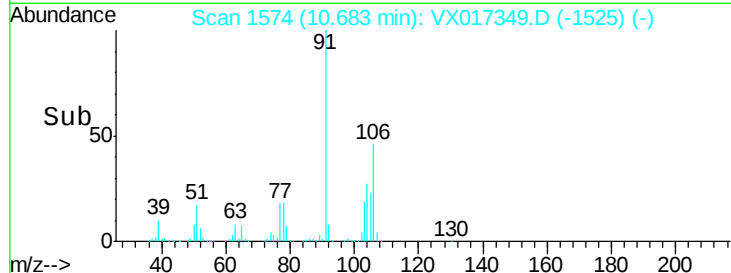
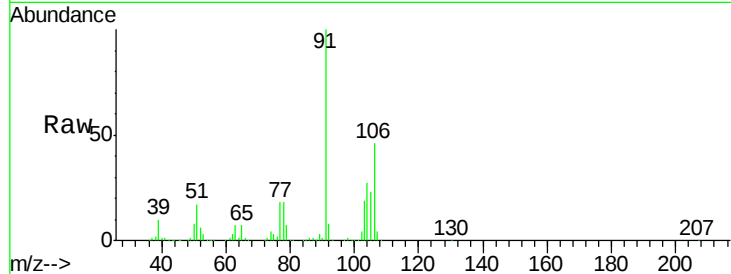
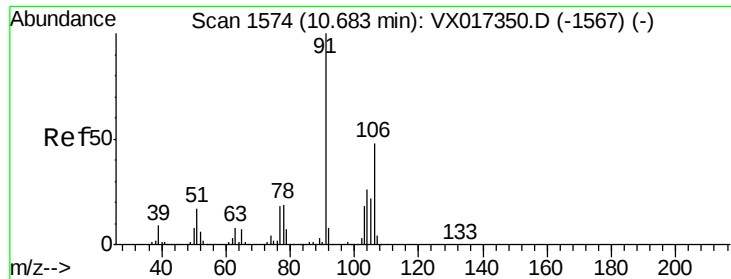
Tgt Ion: 106 Resp: 221564

Ion Ratio Lower Upper

106 100

91 202.2 162.5 243.7





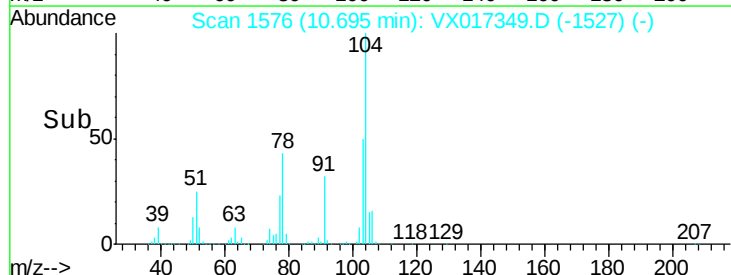
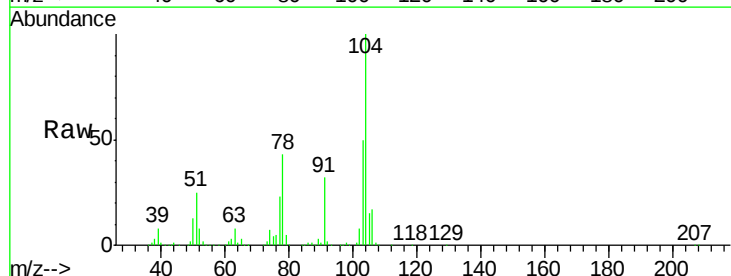
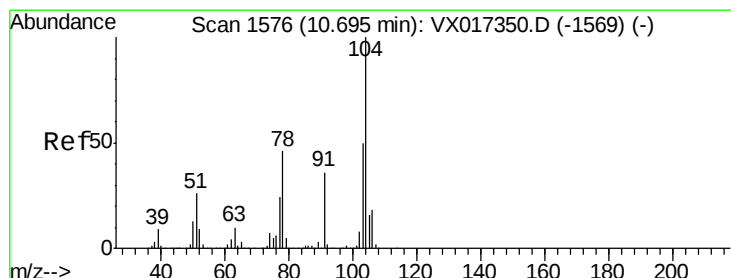
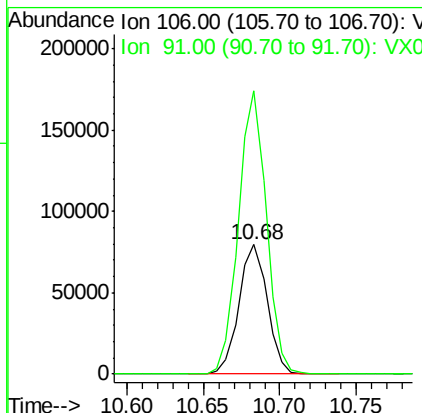
#69
o-Xylene
Concen: 19.102 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	102450		
91	214.1	106.1	318.1	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

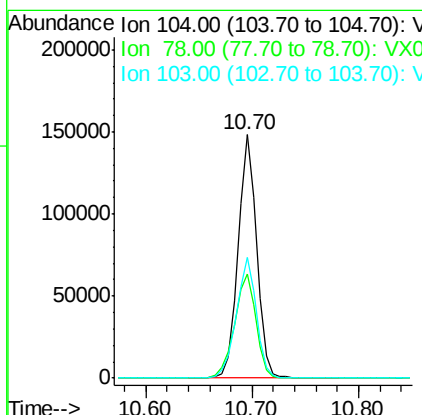
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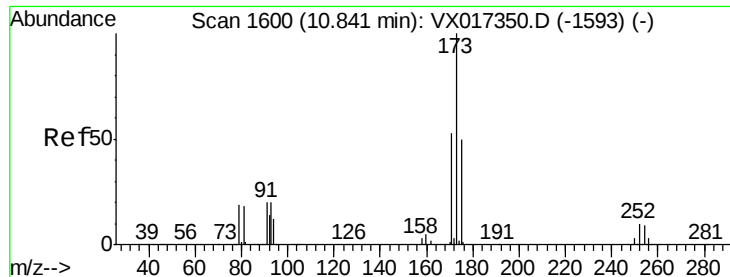
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#70
Styrene
Concen: 19.946 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	181918		
78	49.4	40.8	61.2	
103	53.8	43.3	64.9	





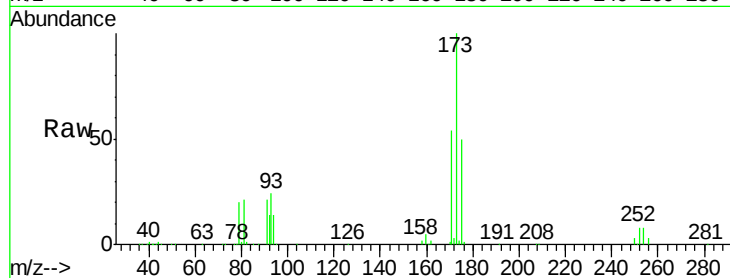
#71
Bromoform
Concen: 20.966 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

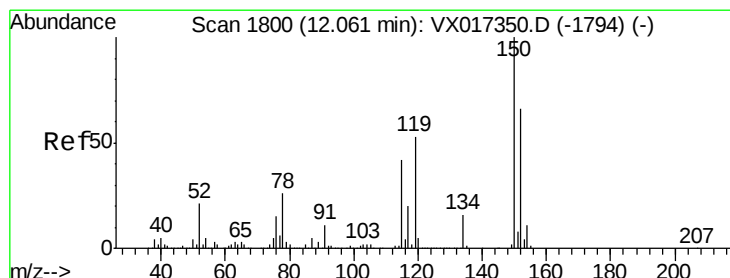
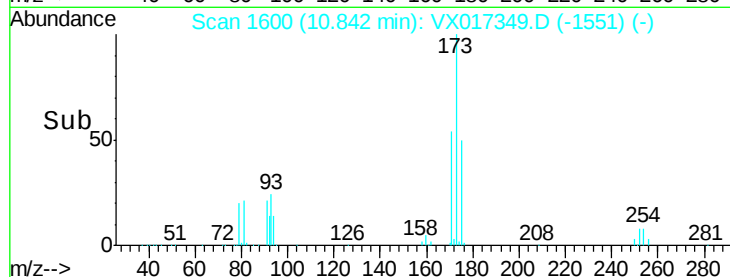
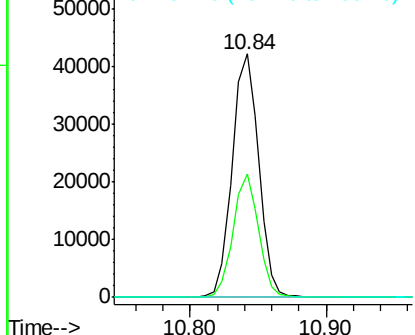
Tot Ion:173 Resp: 57062
Ion Ratio Lower Upper
173 100
175 48.4 24.7 74.1
254 0.1 0.1 0.1

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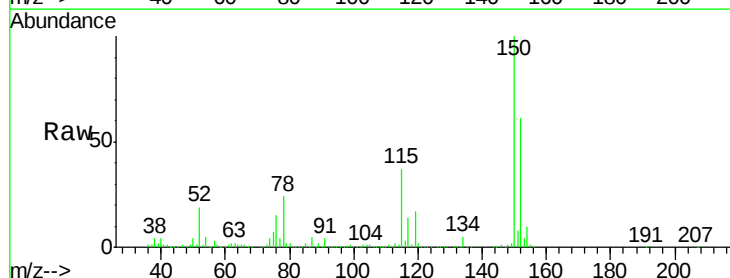


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

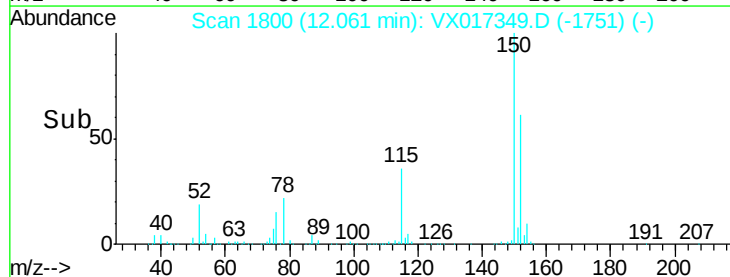
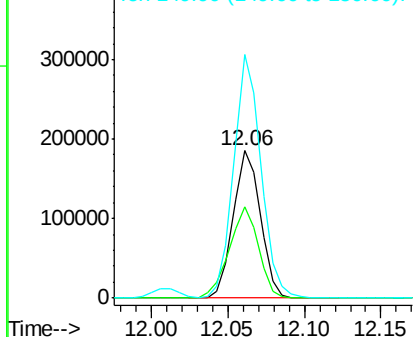


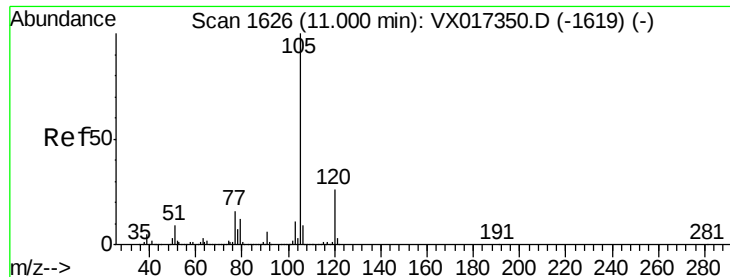
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion:152 Resp: 228208
Ion Ratio Lower Upper
152 100
115 66.4 39.9 119.7
150 166.2 0.0 343.4



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





#73

Isopropylbenzene

Concen: 18.841 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 280412

Ion Ratio Lower Upper

105 100

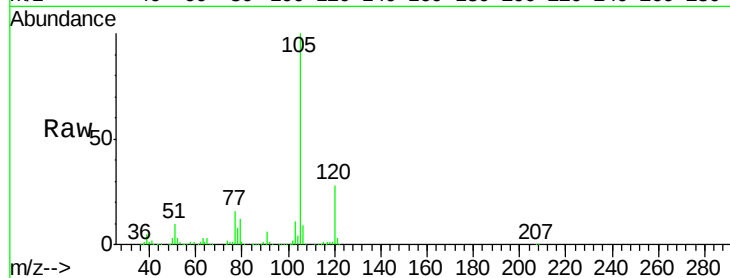
120 27.4 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

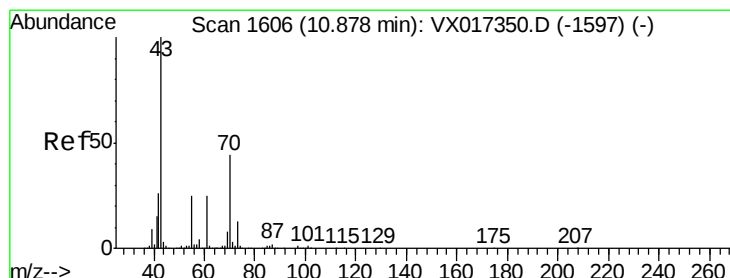
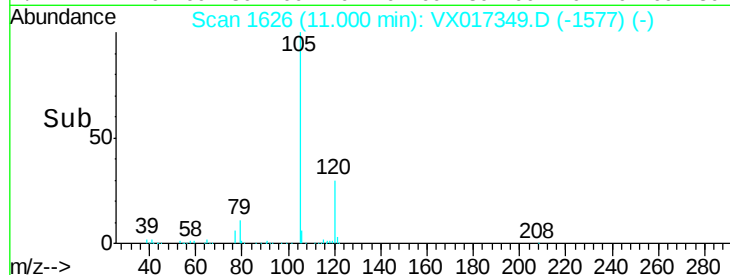
50000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 17.689 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion: 43 Resp: 110995

Ion Ratio Lower Upper

43 100

70 44.6 35.7 53.5

55 26.1 20.3 30.5

61 25.1 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

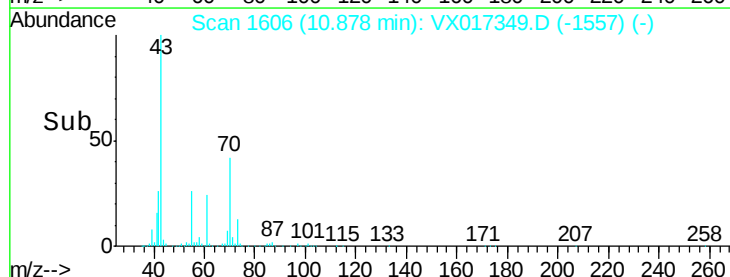
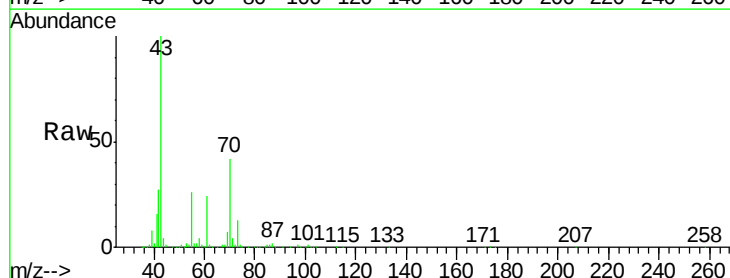
50000

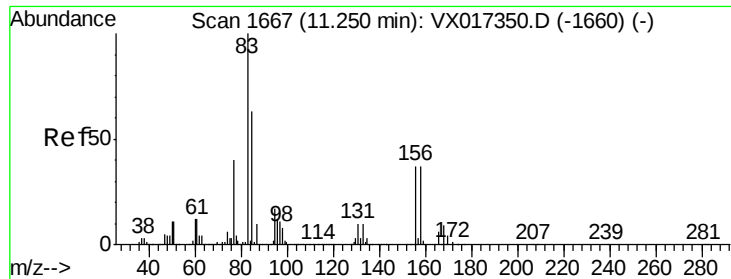
0

10.88

10.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.823 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

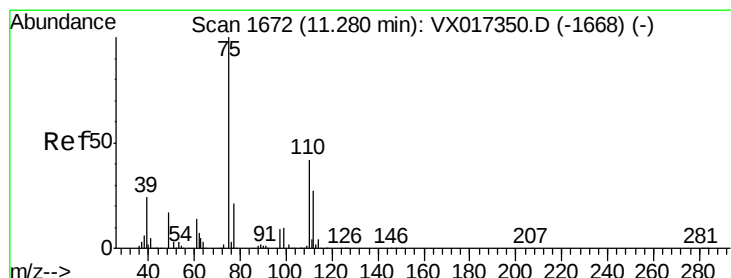
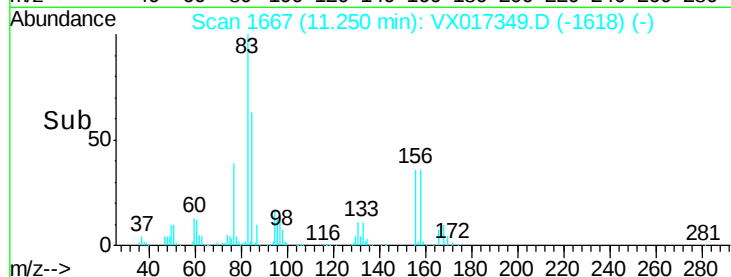
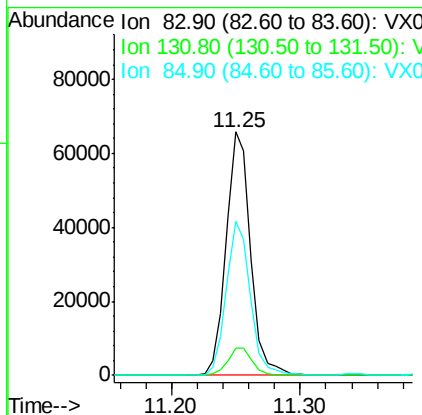
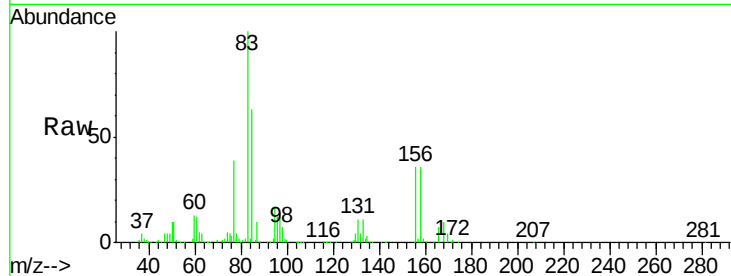
ClientSampleId :

VSTDIC020

Tot Ion	83	Resp	87614
Ion Ratio	100	Lower	Upper
83	100		
131	11.3	5.5	16.7
85	62.6	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.653 ug/l m

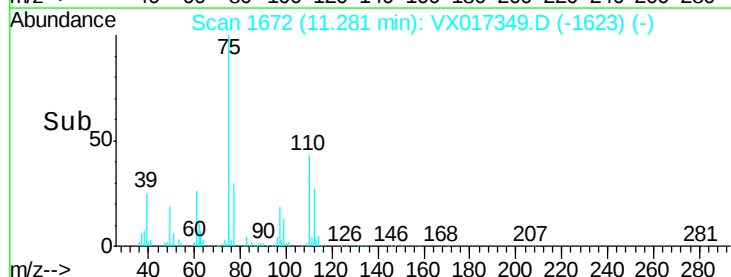
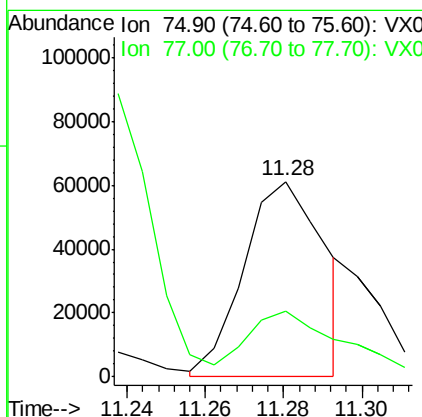
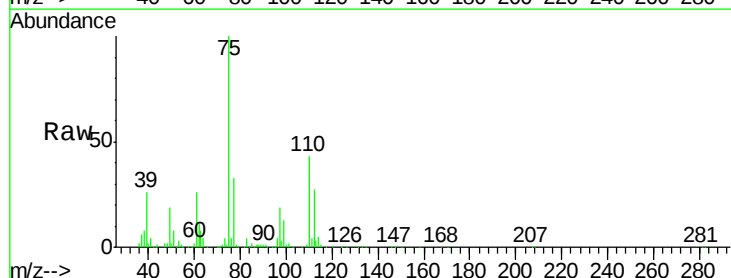
RT: 11.28 min Scan# 1672

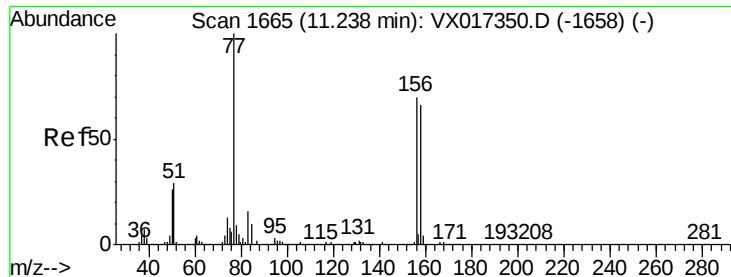
Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion	75	Resp	87319
Ion Ratio	100	Lower	Upper
75	100		
77	39.9	20.3	60.9





#77

Bromobenzene

Concen: 19.505 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 80445

Ion Ratio Lower Upper

156 100

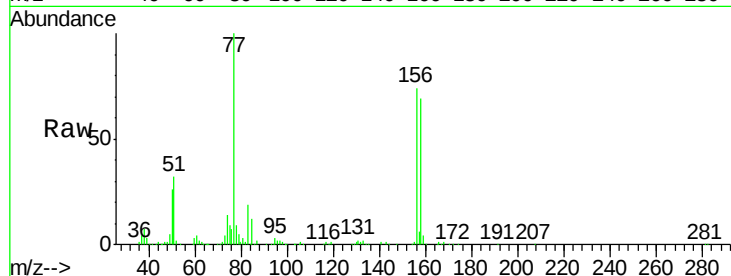
77 143.0 72.1 216.3

158 96.1 47.4 142.3

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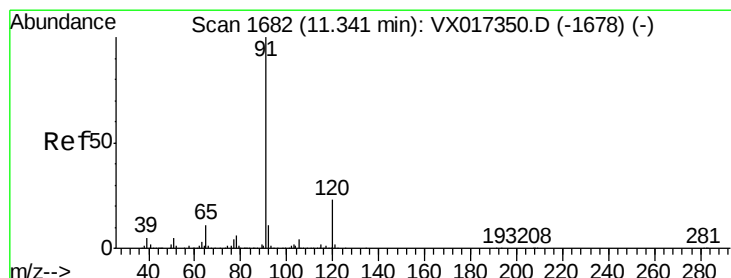
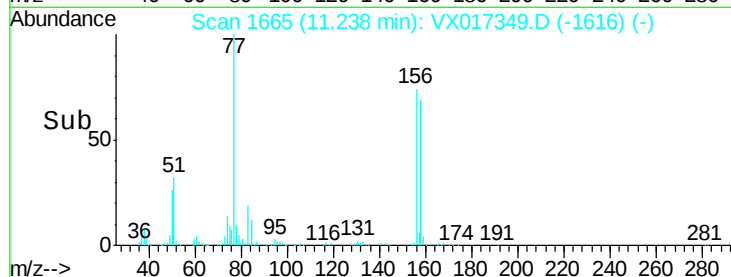
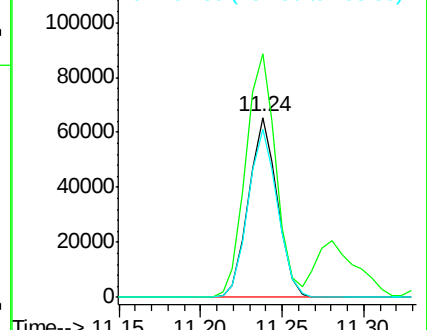
7/14/2020 11:35:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.853 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX017349.D

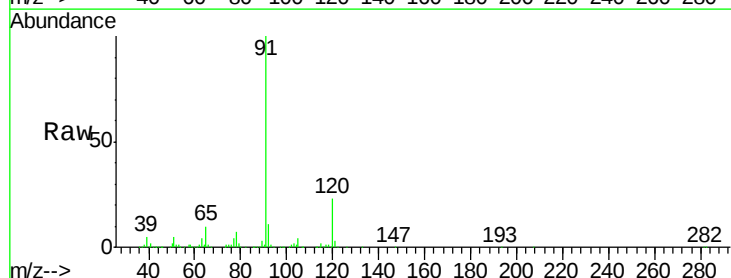
Acq: 13 Jul 2020 11:01

Tgt Ion: 91 Resp: 317523

Ion Ratio Lower Upper

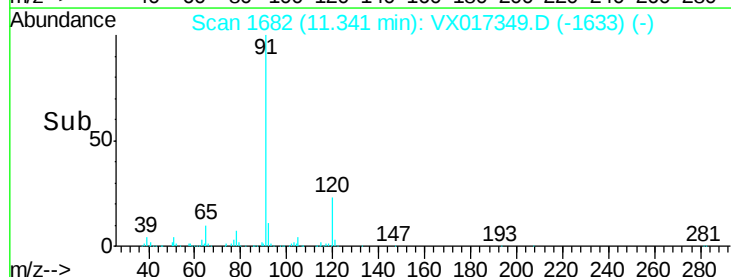
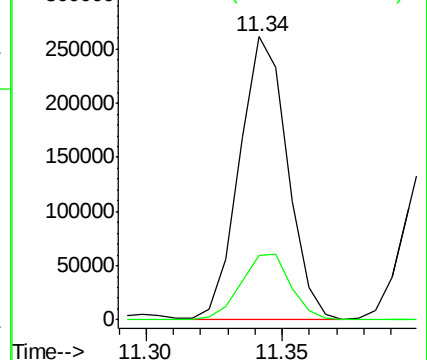
91 100

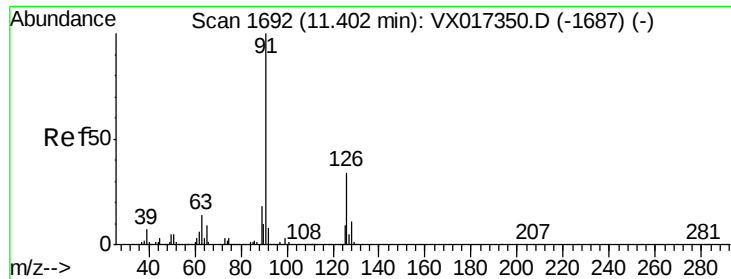
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.119 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 194862

Ion Ratio Lower Upper

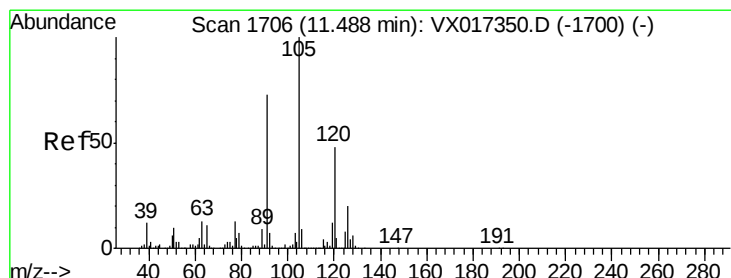
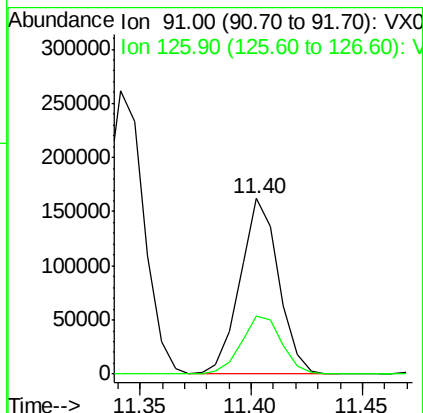
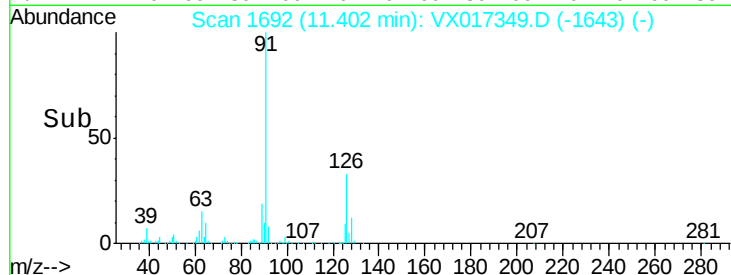
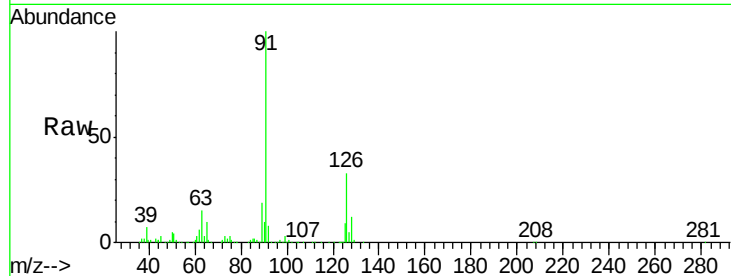
91 100

126 35.0 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 19.703 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX017349.D

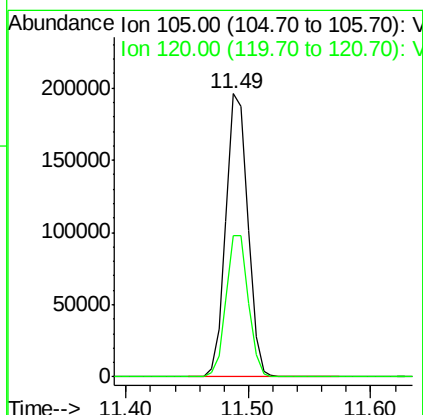
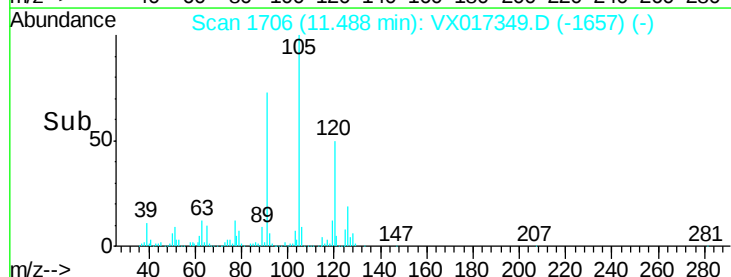
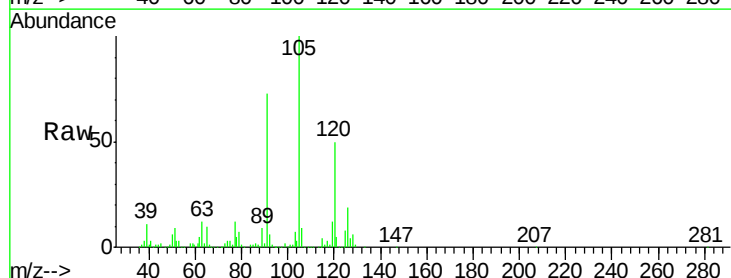
Acq: 13 Jul 2020 11:01

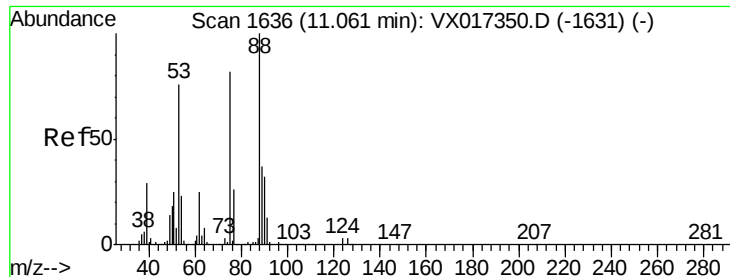
Tgt Ion: 105 Resp: 243515

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.223 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

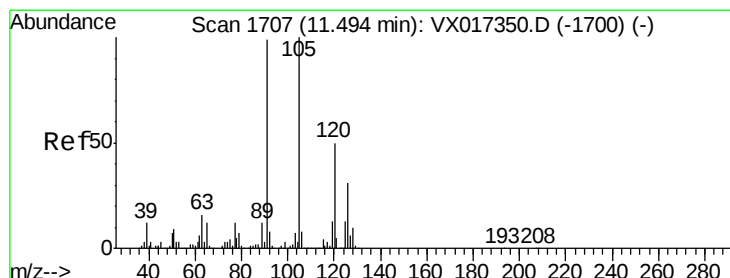
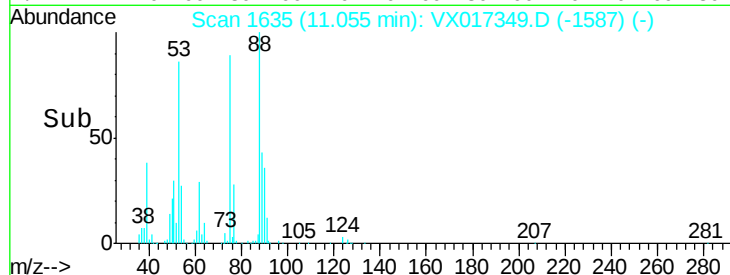
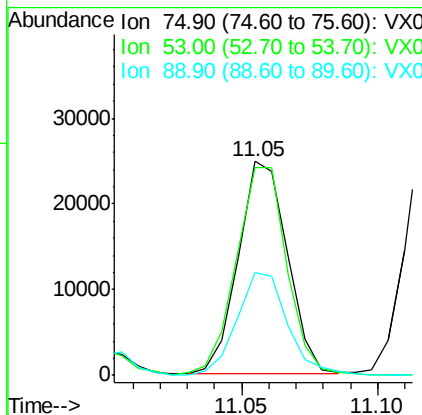
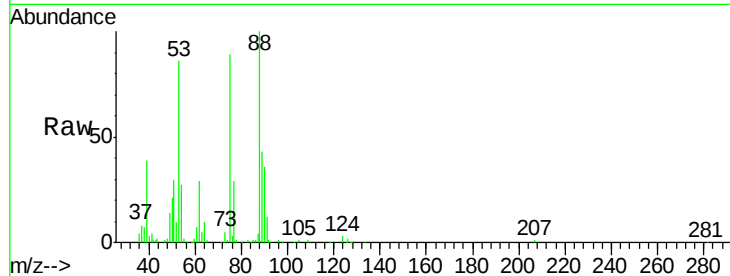
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	31167
Ion	Ratio	Lower	Upper
75	100		
53	101.0	76.5	114.7
89	50.2	38.1	57.1

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#82

4-Chlorotoluene

Concen: 19.273 ug/l

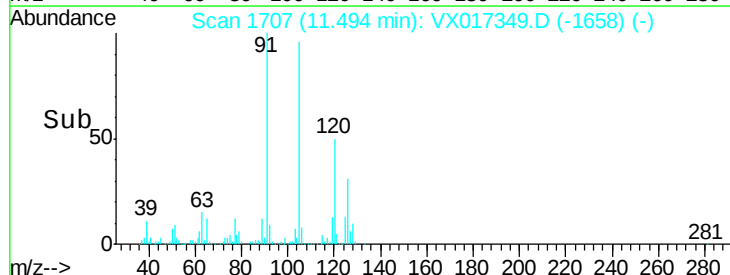
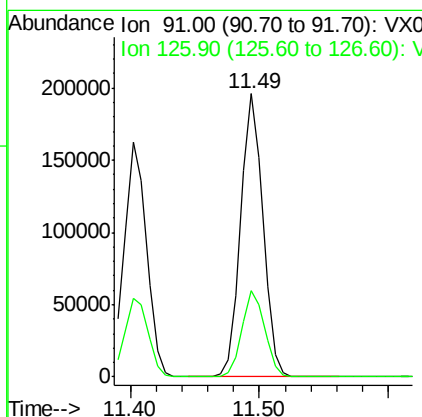
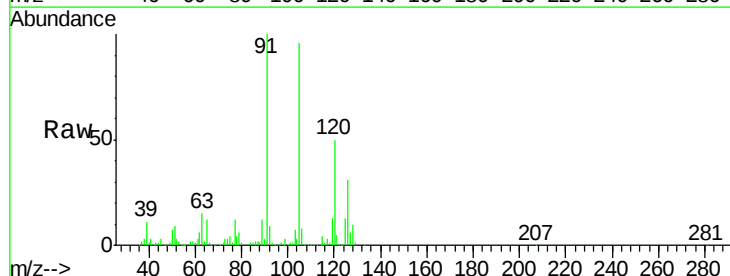
RT: 11.49 min Scan# 1707

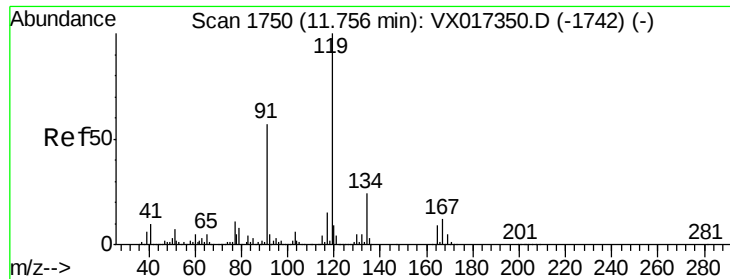
Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion:	91	Resp:	235200
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.2





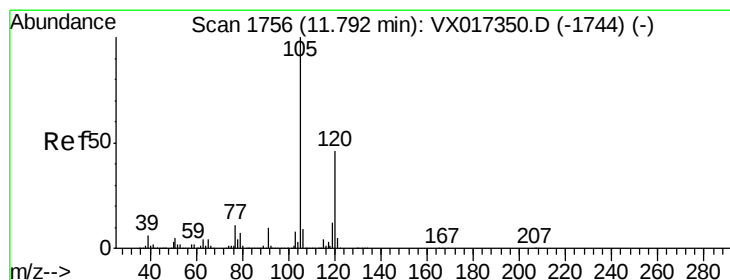
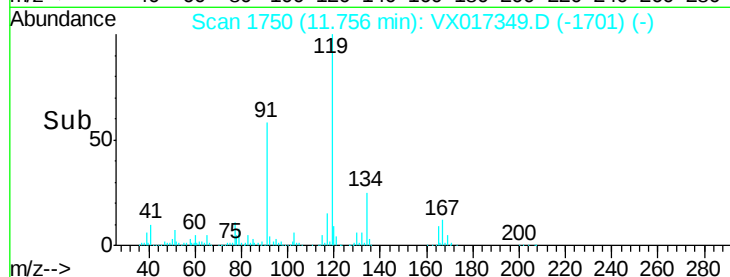
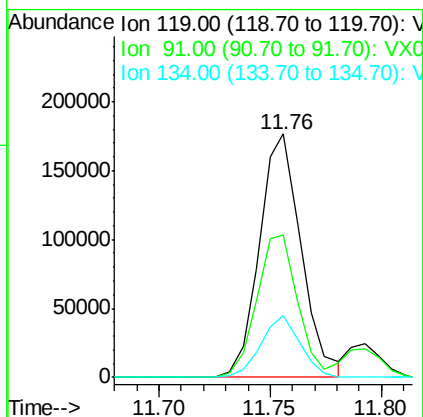
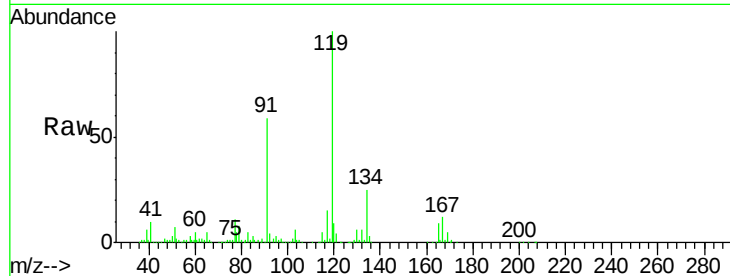
#83
tert-Butylbenzene
Concen: 18.948 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230129		
91	57.3	28.5	85.6	
134	23.7	11.9	35.9	

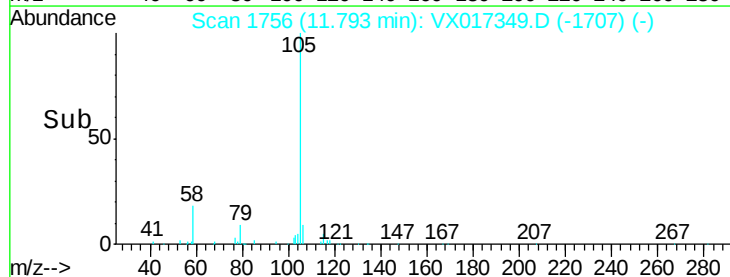
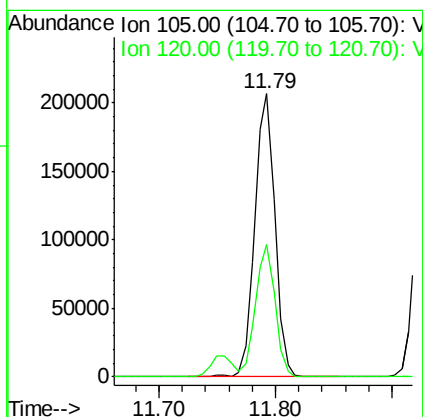
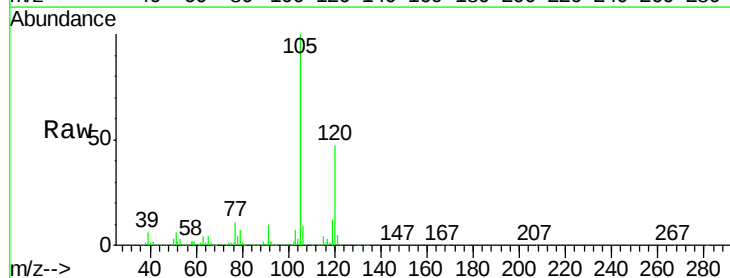
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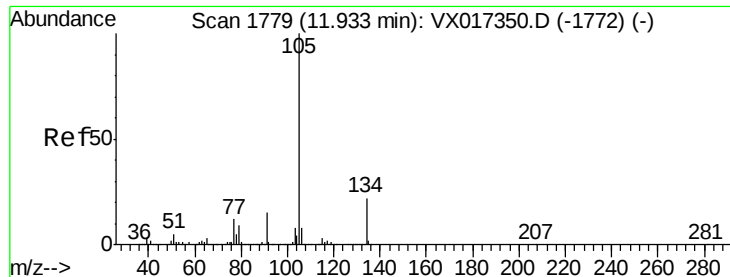
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#84
1,2,4-Trimethylbenzene
Concen: 19.913 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250262		
120	45.5	22.8	68.4	





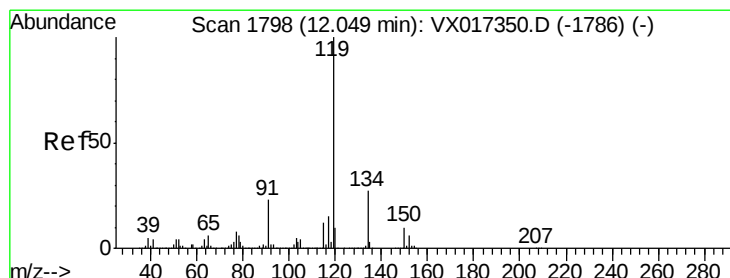
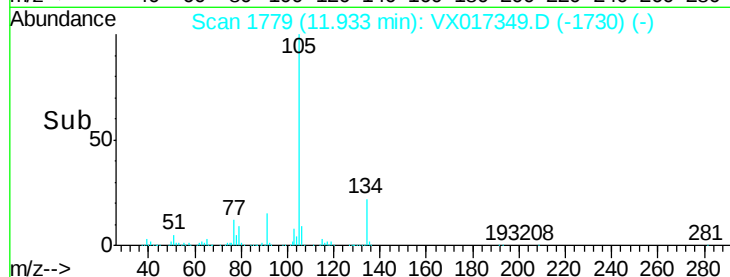
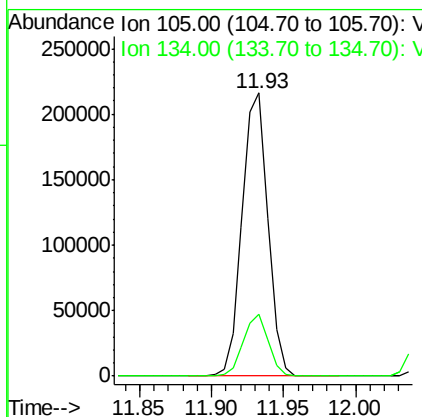
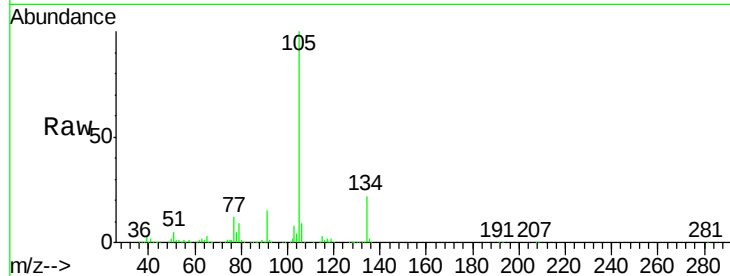
#85
 sec-Butylbenzene
 Concen: 18.815 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	268393		
134	21.1	10.5	31.5	

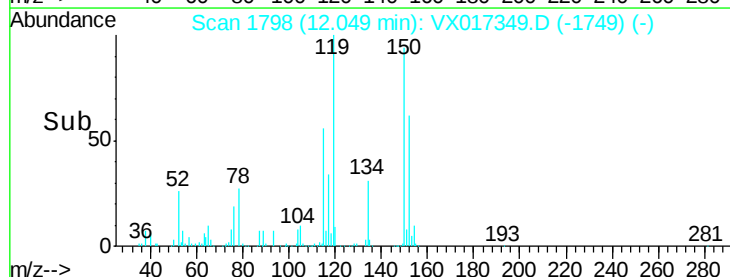
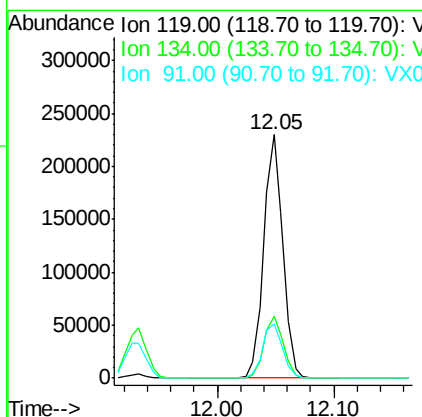
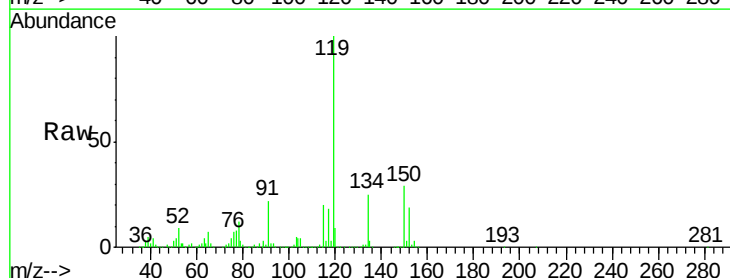
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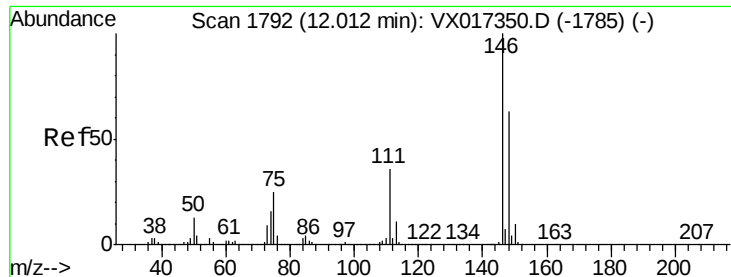
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#86
 p-Isopropyltoluene
 Concen: 19.641 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	260476		
134	26.0	13.5	40.5	
91	23.6	11.8	35.3	





#87

1,3-Dichlorobenzene

Concen: 18.689 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Instrument :

MSVOA_X

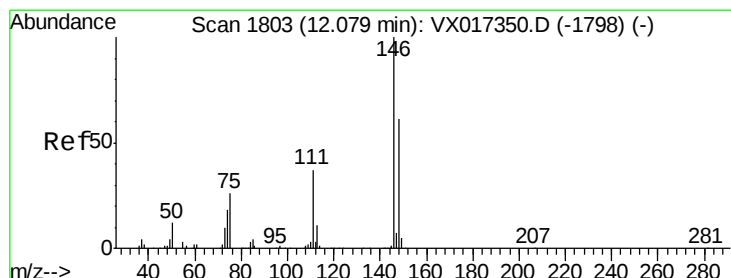
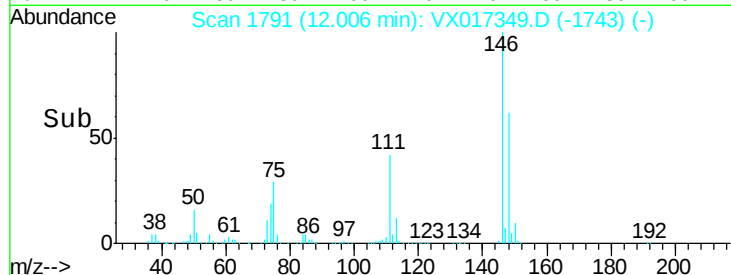
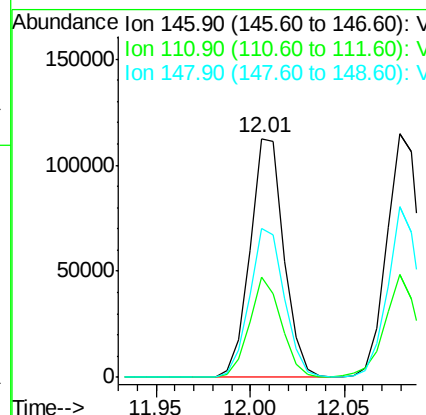
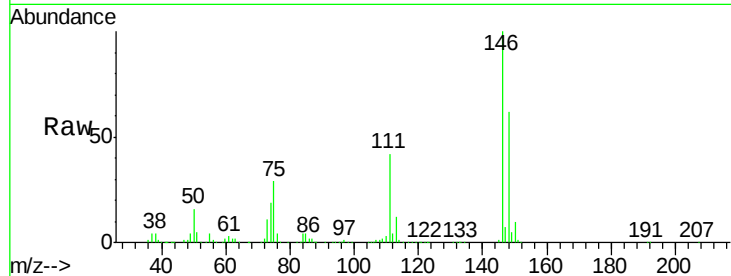
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	140152
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.2	57.6
148	63.9	31.6	95.0

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#88

1,4-Dichlorobenzene

Concen: 18.493 ug/l

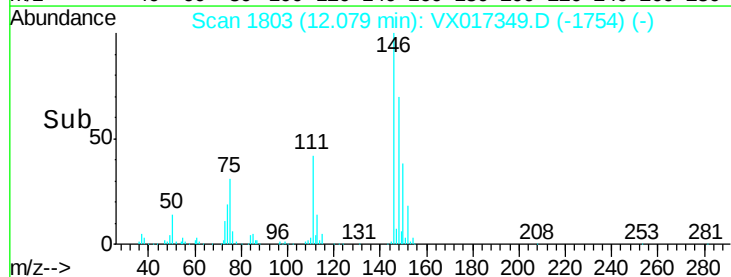
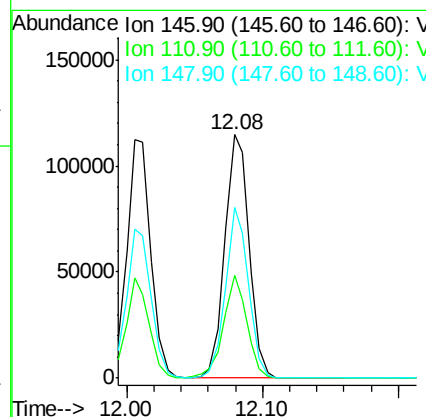
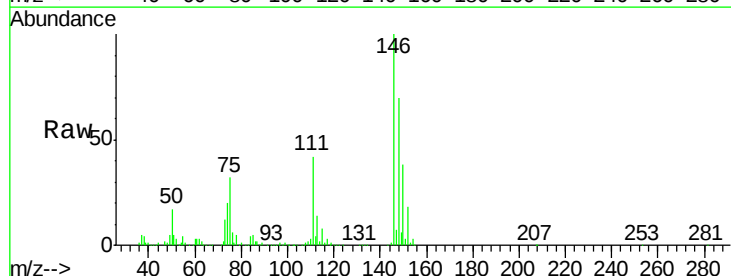
RT: 12.08 min Scan# 1803

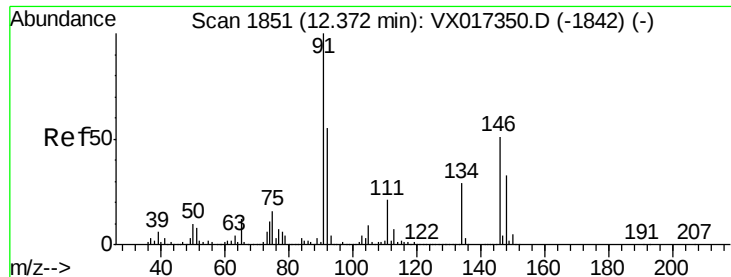
Delta R.T. 0.00 min

Lab File: VX017349.D

Acq: 13 Jul 2020 11:01

Tgt Ion:	146	Resp:	141492
Ion Ratio	Lower	Upper	
146	100		
111	40.9	18.9	56.9
148	66.6	31.9	95.9





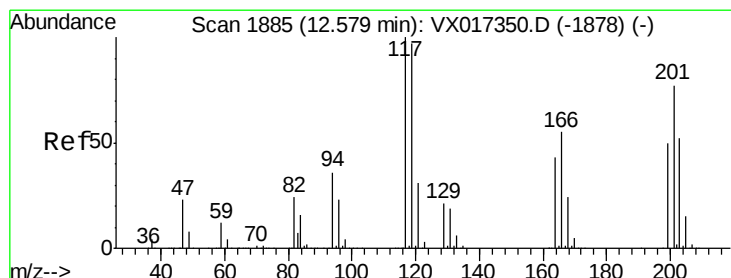
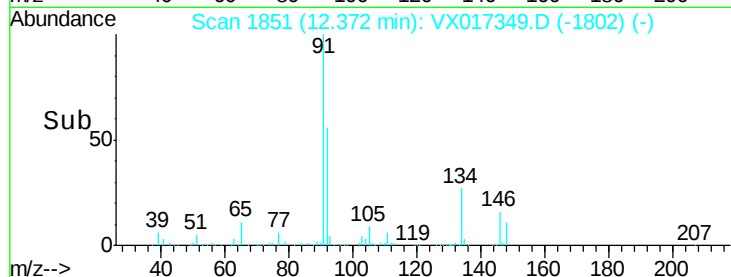
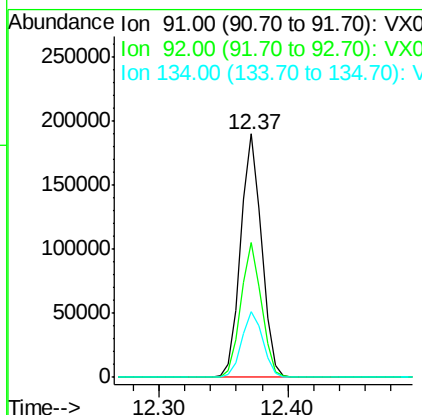
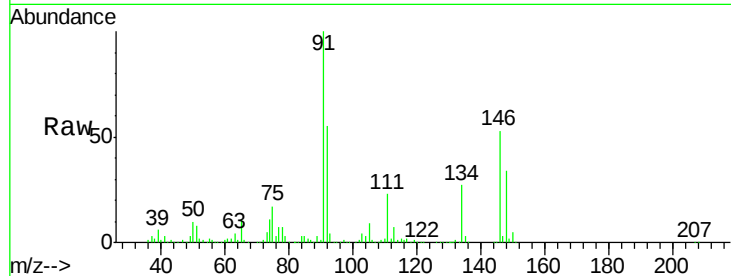
#89
n-Butylbenzene
Concen: 18.090 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.0	81.0
134	27.2	14.1	42.2

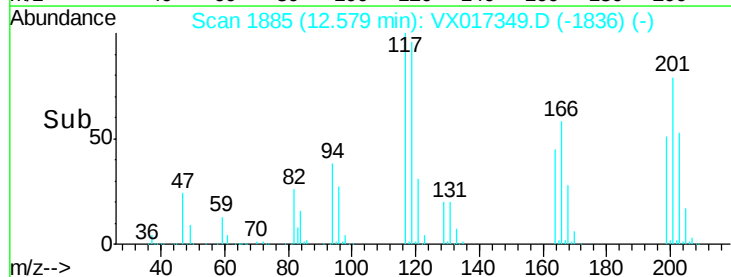
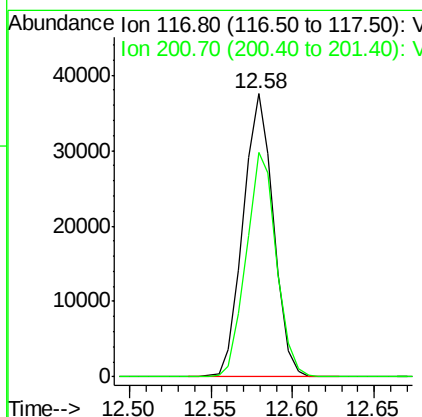
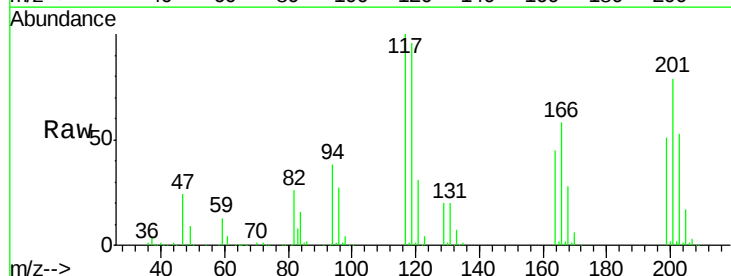
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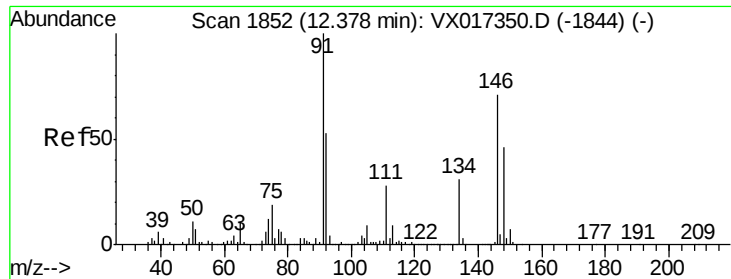
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#90
Hexachloroethane
Concen: 18.597 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	41.0	123.0





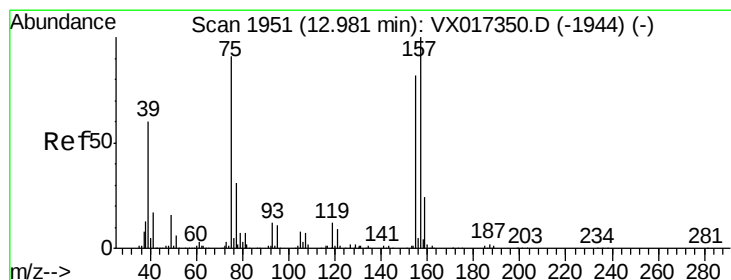
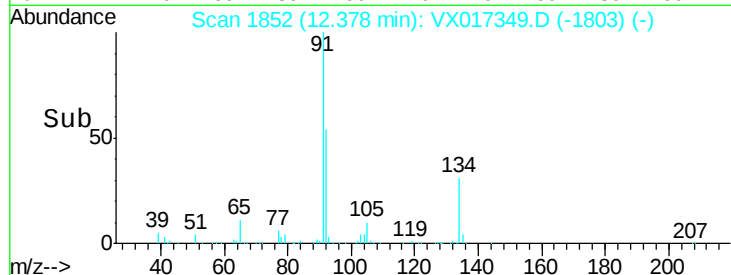
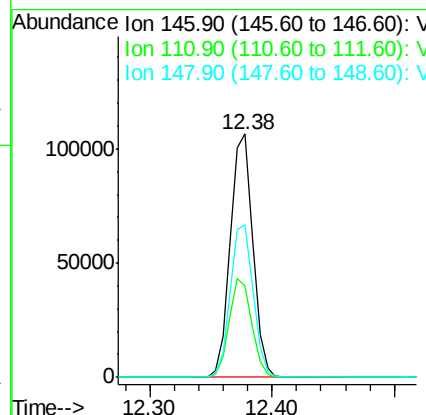
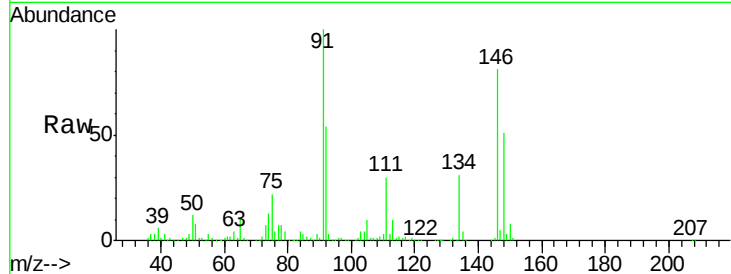
#91
 1,2-Dichlorobenzene
 Concen: 19.393 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	135195		
111	40.4	20.3	61.0	
148	63.7	32.0	96.0	

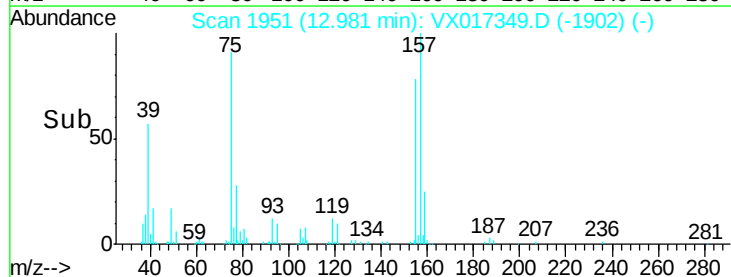
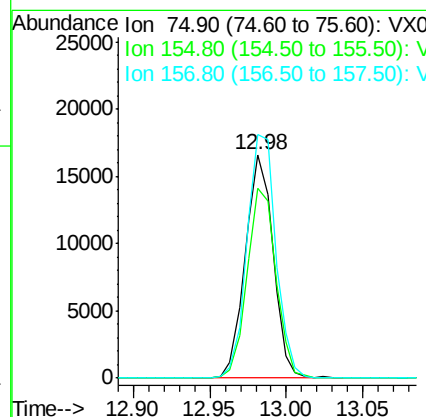
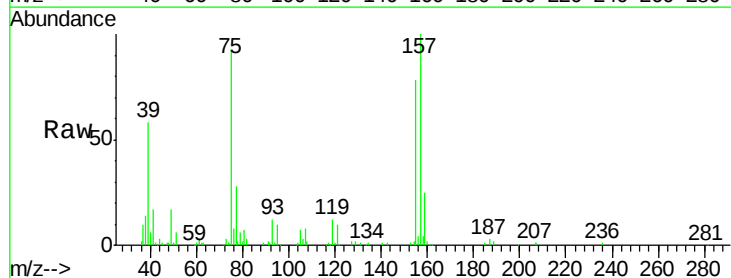
Manual Integrations
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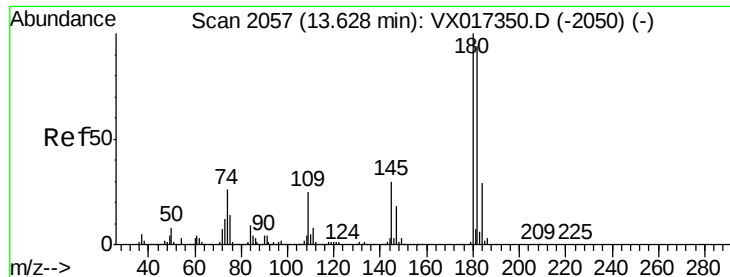
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 7/14/2020 11:35:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.624 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20935		
155	87.8	46.5	139.3	
157	113.3	58.0	173.9	





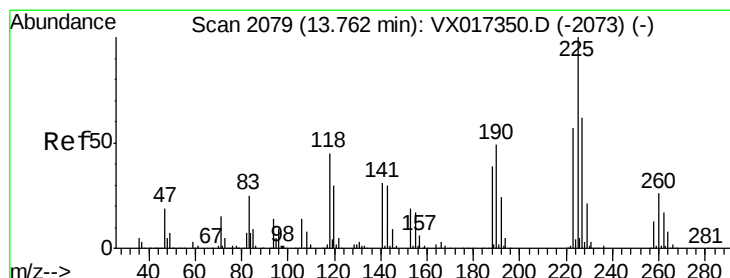
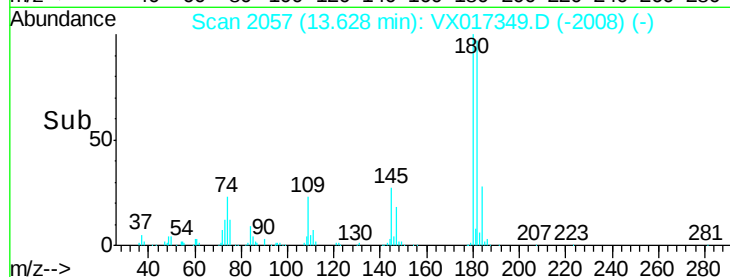
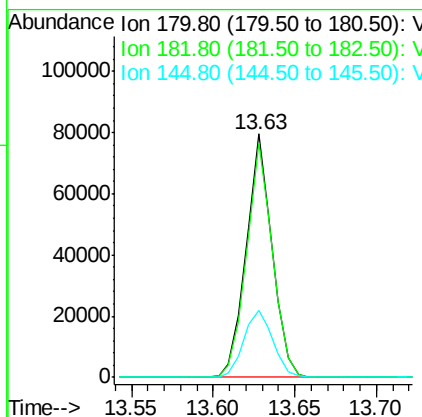
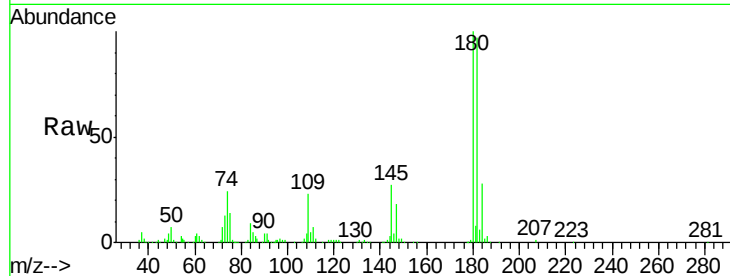
#93
 1,2,4-Trichlorobenzene
 Concen: 18.529 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	48.4	145.0	
145	30.5	15.3	45.8	

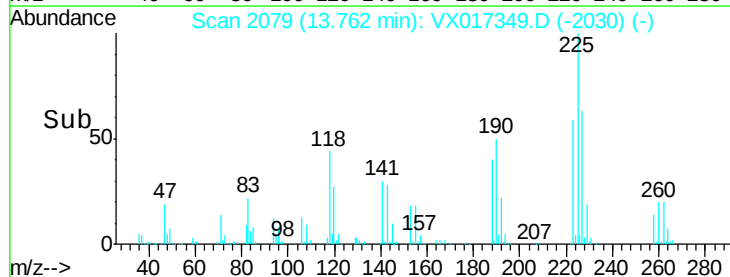
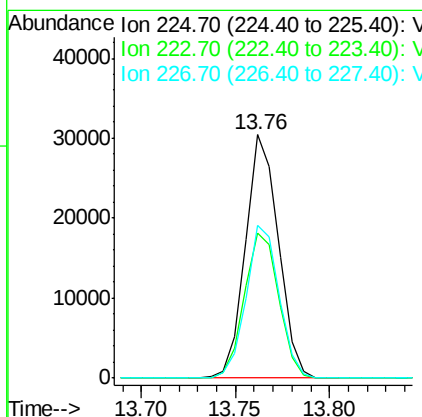
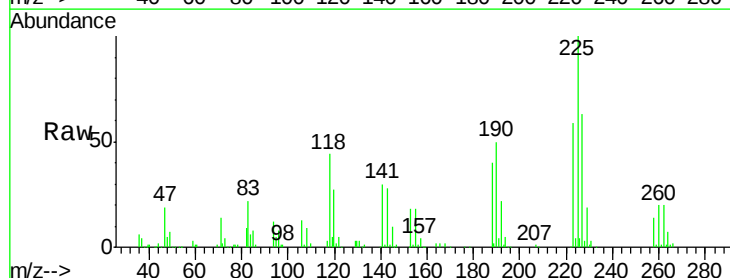
Manual Integrations
 APPROVED

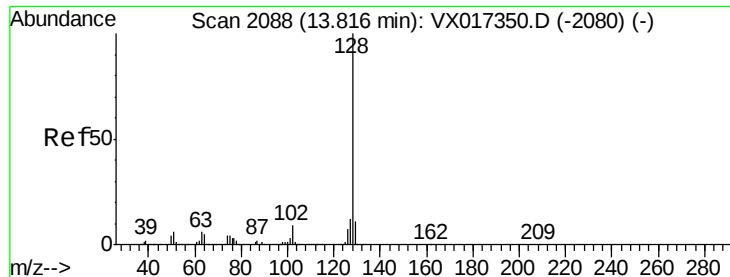
MMDadoda
 7/14/2020 11:35:47 AM



#94
 Hexachlorobutadiene
 Concen: 18.925 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX017349.D
 Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.3	93.8	
227	62.8	31.6	95.0	





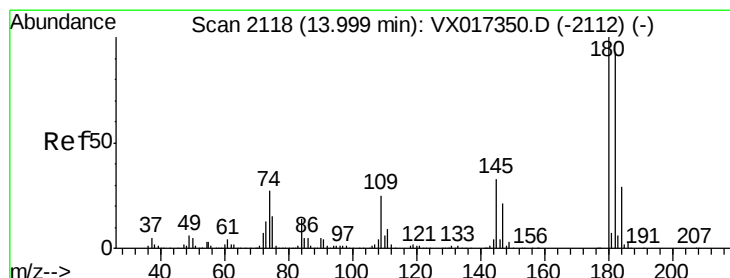
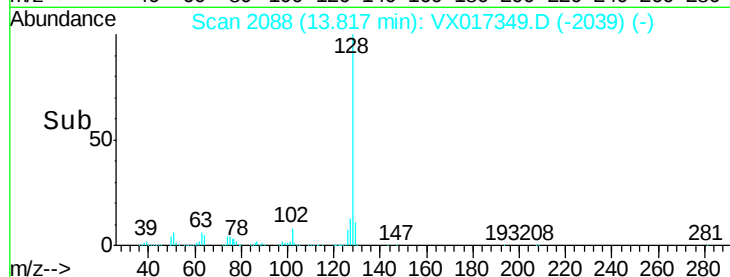
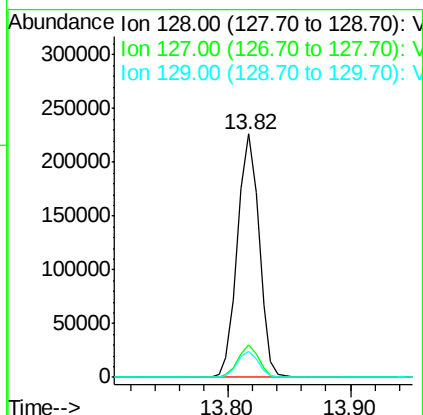
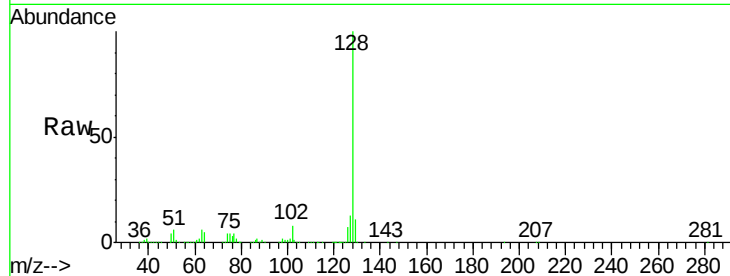
#95
Naphthalene
Concen: 19.185 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.155 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017349.D
Acq: 13 Jul 2020 11:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.8	146.3
145	32.5	16.6	49.7

