

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX017003.D
 Acq On : 27 Jun 2020 00:48
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:59 PM

Quant Time: Jun 27 03:13:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	54930	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	296009	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	276508	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	124474	29.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.03%
60) 4-Bromofluorobenzene	11.12	95	142308	30.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.87%
63) Toluene-d8	8.70	98	359950	29.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	58906	22.053	ug/l 98
3) Chloromethane	1.32	50	69442	19.171	ug/l 99
4) Vinyl Chloride	1.39	62	67042	18.149	ug/l 99
5) Bromomethane	1.64	94	42572	16.006	ug/l 99
6) Chloroethane	1.72	64	41944	17.606	ug/l 97
7) Trichlorofluoromethane	1.92	101	97294	16.195	ug/l 97
8) Diethyl Ether	2.17	74	37111	16.977	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59767	18.745	ug/l 95
10) 1,1-Dichloroethene	2.36	96	61309	19.497	ug/l 93
11) Methyl Iodide	2.50	142	72449	17.255	ug/l 93
12) Methyl Acetate	2.75	43	86859	21.898	ug/l 100
13) Acrolein	2.27	56	50033	79.938	ug/l 100
14) Acrylonitrile	3.12	53	185344	98.656	ug/l 98
15) Acetone	2.42	58	47204	97.091	ug/l 94
16) Carbon Disulfide	2.55	76	175069	17.710	ug/l 99
17) Allyl chloride	2.71	41	110707	18.806	ug/l 95
18) Methylene Chloride	2.84	84	70970	18.738	ug/l 96
19) trans-1,2-Dichloroethene	3.14	96	67320	18.895	ug/l 98
20) Diisopropyl ether	3.82	45	227337	19.324	ug/l 97
21) 1,1-Dichloroethane	3.67	63	122036	18.812	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	77247	19.473	ug/l 94
23) tert-Butyl Alcohol	3.01	59	73972	88.887	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	215888	19.227	ug/l 97
25) Chloroform	5.18	83	124753	18.968	ug/l 100
26) Cyclohexane	5.55	56	103335	18.261	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	89726	18.607	ug/l 99
30) 2-Butanone	4.64	43	256098	101.890	ug/l 99
31) 2,2-Dichloropropane	4.55	77	87460	15.815	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	114248	19.580	ug/l 96
33) Carbon Tetrachloride	5.76	117	101581	19.631	ug/l 96
34) Benzene	6.12	78	272668	19.420	ug/l 98
35) Methacrylonitrile	5.00	41	56937	20.526	ug/l 94
36) 1,2-Dichloroethane	6.17	62	101548	18.884	ug/l 100
37) Trichloroethene	7.19	130	81126	21.174	ug/l 89
38) Methylcyclohexane	7.44	83	96609	17.592	ug/l 96
39) 1,2-Dichloropropane	7.49	63	71822	19.634	ug/l 99
40) Dibromomethane	7.64	93	48385	19.192	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	100366	19.225	ug/l	92
42) Vinyl Acetate	3.79	43	954183	94.205	ug/l	100
43) Ethyl Acetate	4.79	43	101992	19.590	ug/l	99
44) Isopropyl Acetate	6.42	43	162249	18.906	ug/l	98
45) 1,4-Dioxane	7.71	88	29001	334.977	ug/l	96
46) Methyl methacrylate	7.75	41	78536	19.775	ug/l	91
47) n-amyl Acetate	10.88	43	136999	18.061	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	106450	18.442	ug/l	96
49) cis-1,3-Dichloropropene	8.42	75	114347	18.849	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	71597	20.349	ug/l	97
51) Ethyl methacrylate	9.16	69	102496	18.982	ug/l	96
52) 1,3-Dichloropropane	9.35	76	118910	19.685	ug/l	97
53) Dibromochloromethane	9.57	129	79162	19.575	ug/l	99
54) 1,2-Dibromoethane	9.65	107	73756	19.755	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	291893	102.724	ug/l	99
56) Bromoform	10.84	173	56389	19.643	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	510782	100.284	ug/l	99
59) 2-Hexanone	9.47	43	381251	100.297	ug/l	99
61) Tetrachloroethene	9.32	164	68903	19.540	ug/l	99
62) Toluene	8.76	91	289407	19.136	ug/l	100
64) Chlorobenzene	10.12	112	183335	19.350	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	69132	19.381	ug/l	99
66) Ethyl Benzene	10.24	91	316255	18.857	ug/l	98
67) m/p-Xylenes	10.34	106	242745	38.368	ug/l	100
68) o-Xylene	10.68	106	115002	18.923	ug/l	99
69) Styrene	10.70	104	199737	19.195	ug/l	98
70) Isopropylbenzene	11.00	105	311531	18.900	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	97998	19.358	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	99521m	20.471	ug/l	
73) Bromobenzene	11.24	156	79249	19.050	ug/l	93
74) n-propylbenzene	11.34	91	363518	18.574	ug/l	99
75) 2-Chlorotoluene	11.40	91	218264	19.124	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	264437	19.112	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	34265	17.392	ug/l	97
78) 4-Chlorotoluene	11.49	91	257562	19.060	ug/l	100
79) tert-butylbenzene	11.76	119	251330	18.962	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	263809	18.992	ug/l	98
81) sec-Butylbenzene	11.93	105	300314	18.714	ug/l	100
82) p-Isopropyltoluene	12.05	119	274269	18.929	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	144102	19.330	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	145040	19.363	ug/l	99
85) n-Butylbenzene	12.37	91	234250	17.466	ug/l	99
86) Hexachloroethane	12.58	117	53812	18.977	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	138880	19.903	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	24045	20.877	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	86248	18.321	ug/l	99
90) Hexachlorobutadiene	13.76	225	33342	18.618	ug/l	99
91) Naphthalene	13.82	128	300114	19.449	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	88591	19.283	ug/l	100

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QLast Update : Fri Jun 26 09:03:25 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

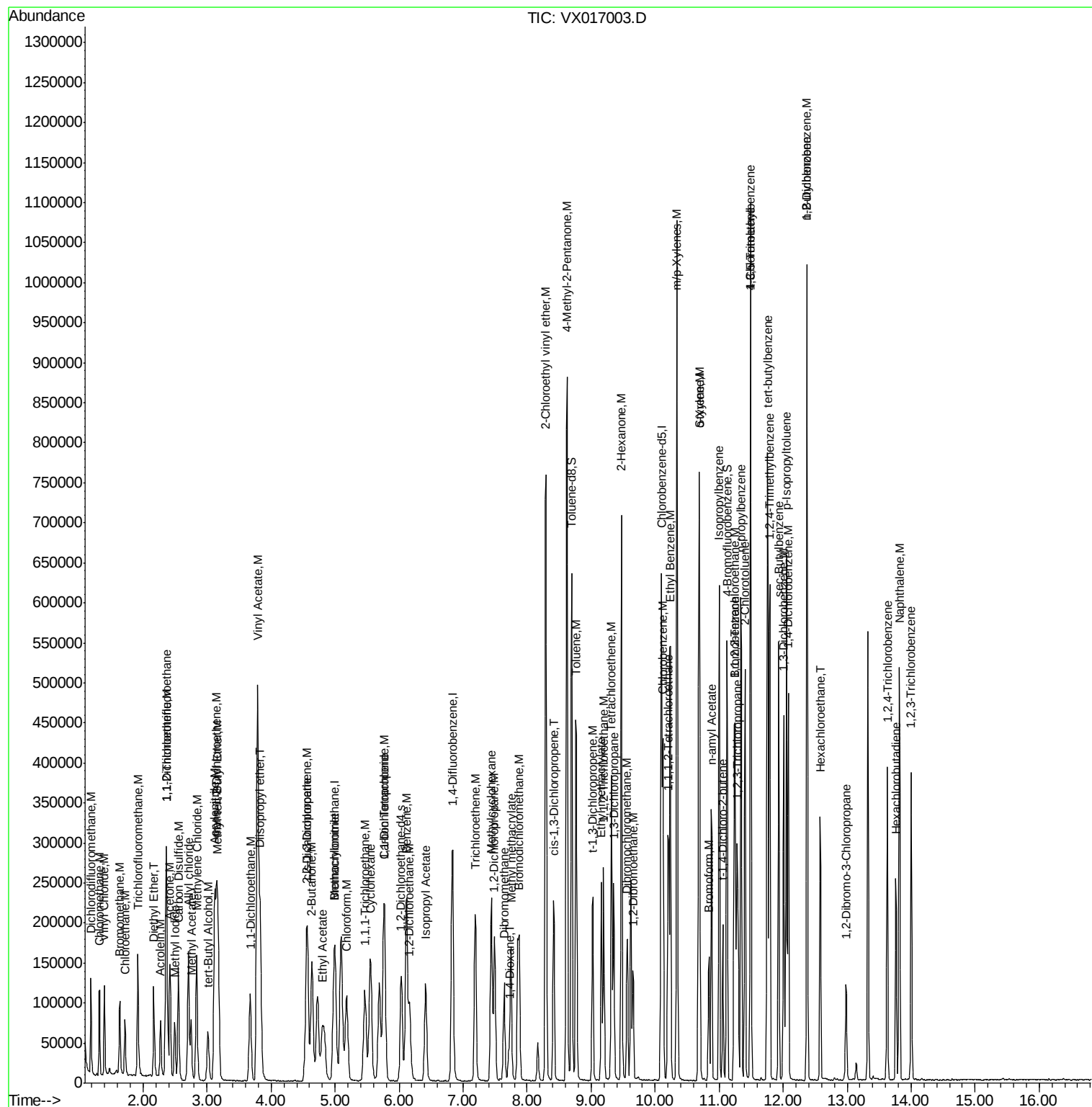
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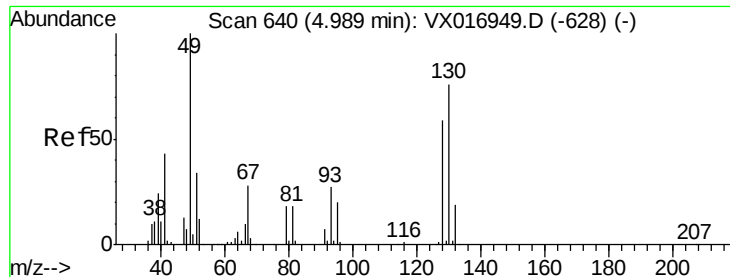
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MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 54930

Ion Ratio Lower Upper

128 100

49 163.7 0.0 428.0

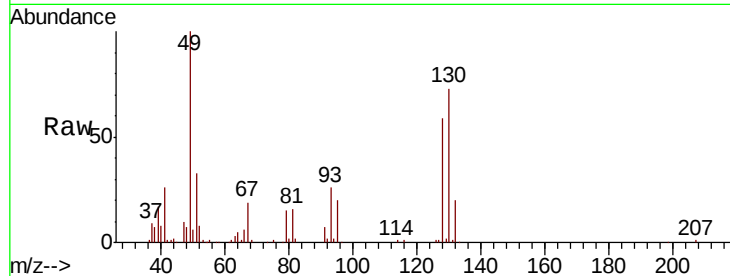
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Manual Integrations

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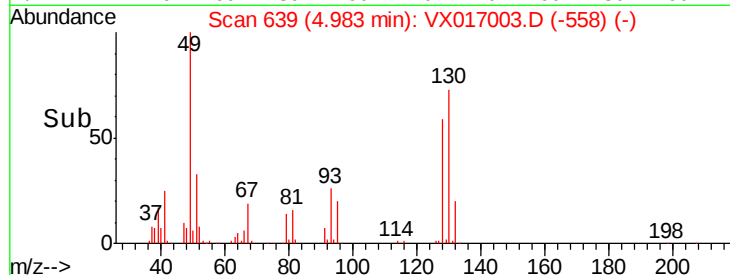
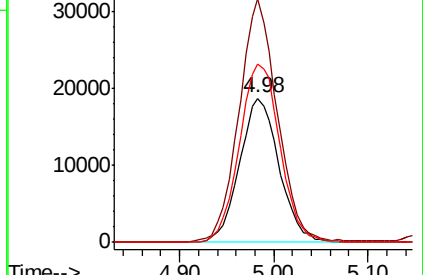
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.053 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017003.D

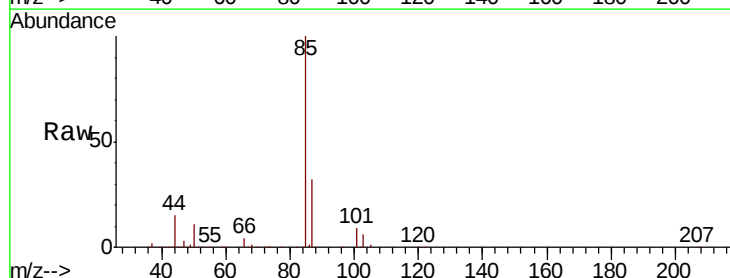
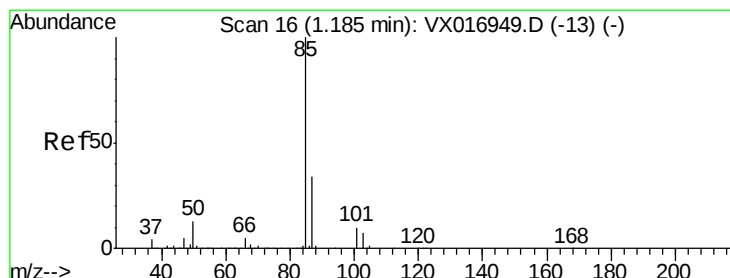
Acq: 27 Jun 2020 00:48

Tgt Ion: 85 Resp: 58906

Ion Ratio Lower Upper

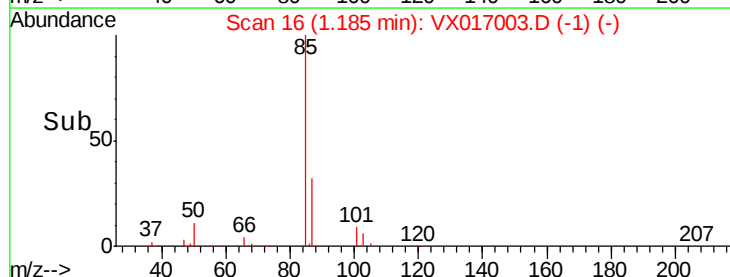
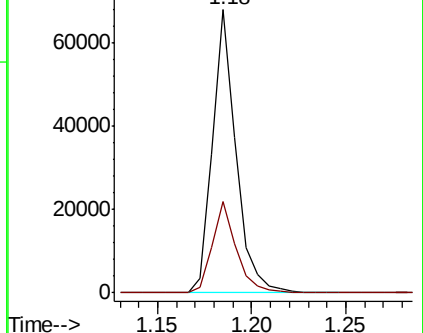
85 100

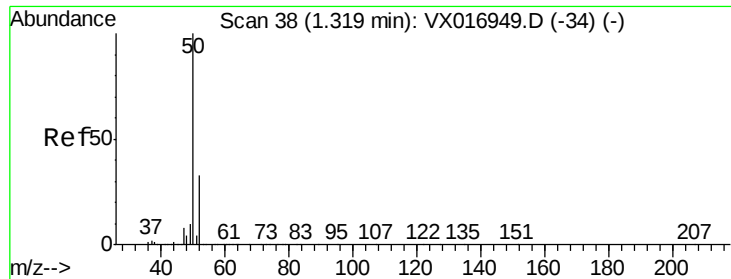
87 32.4 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.171 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 69442

Ion Ratio Lower Upper

50 100

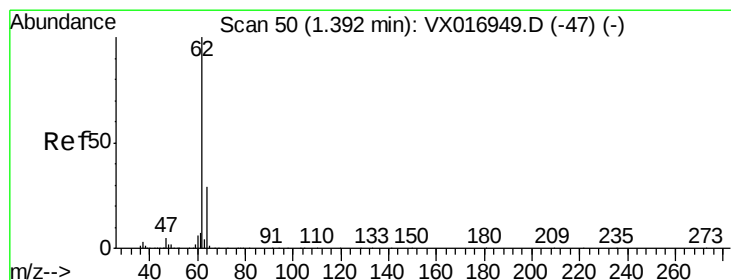
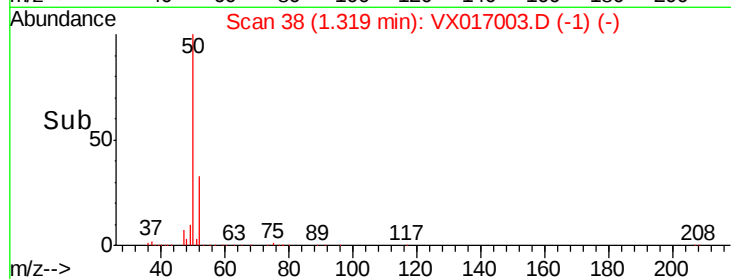
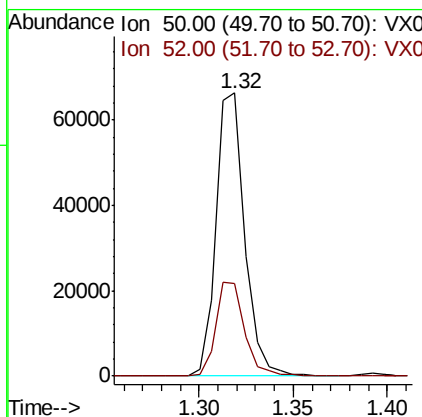
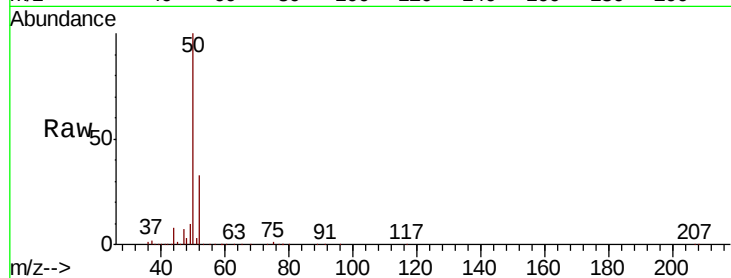
52 32.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.149 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017003.D

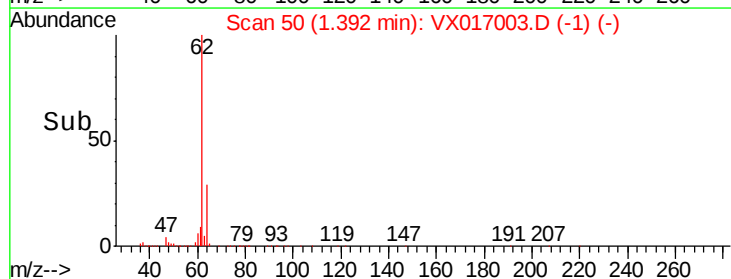
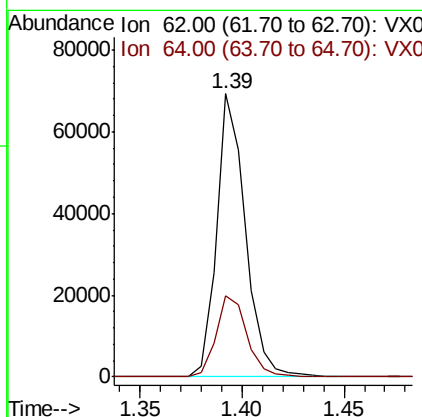
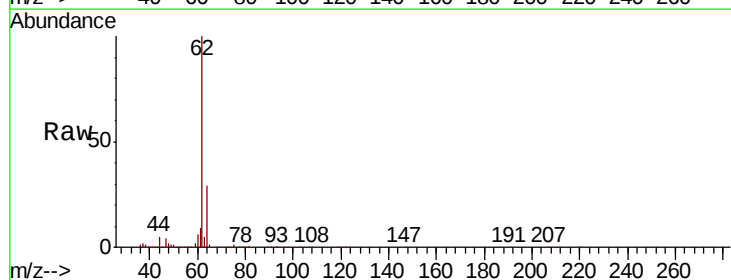
Acq: 27 Jun 2020 00:48

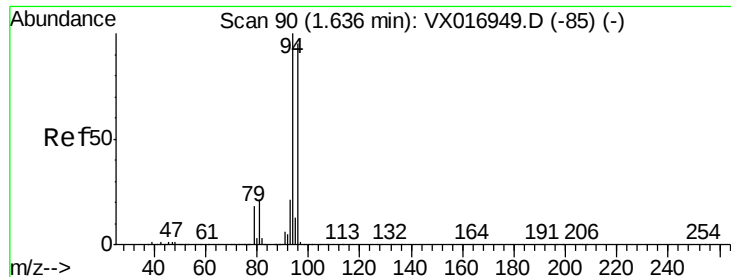
Tgt Ion: 62 Resp: 67042

Ion Ratio Lower Upper

62 100

64 28.8 23.4 35.0





#5

Bromomethane

Concen: 16.006 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 42572

Ion Ratio Lower Upper

94 100

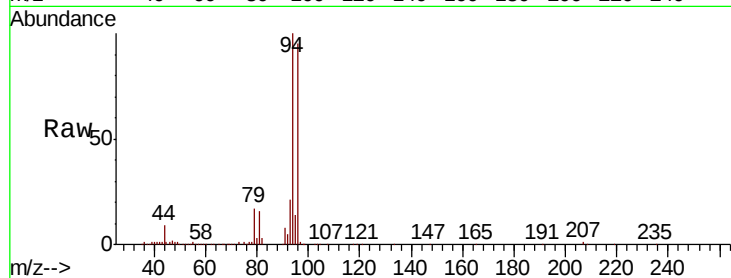
96 95.1 75.5 113.3

Manual Integrations

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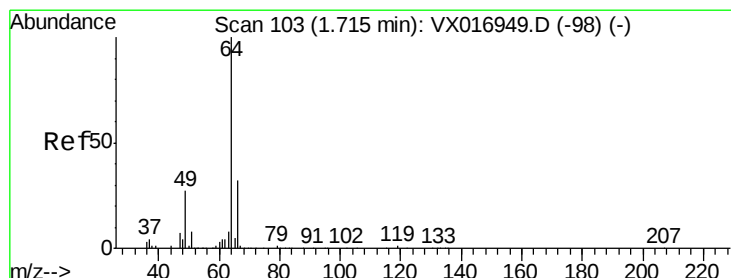
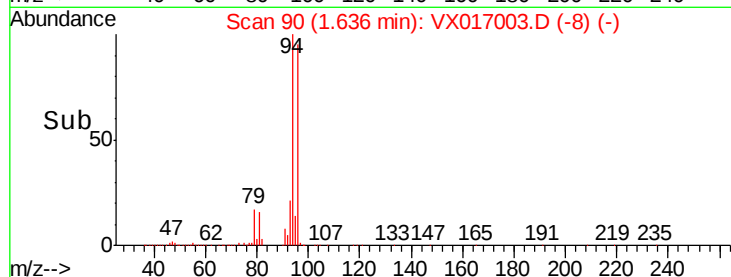
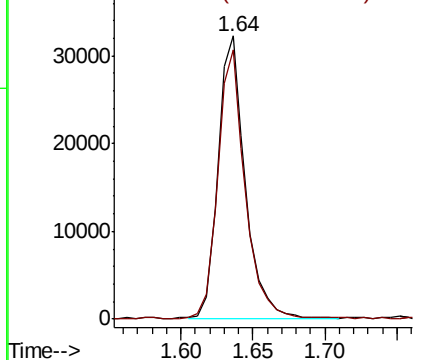
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.606 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX017003.D

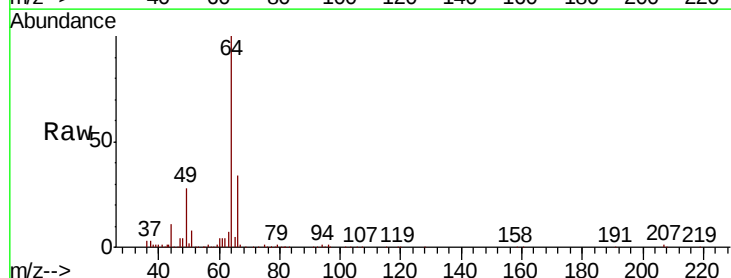
Acq: 27 Jun 2020 00:48

Tgt Ion: 64 Resp: 41944

Ion Ratio Lower Upper

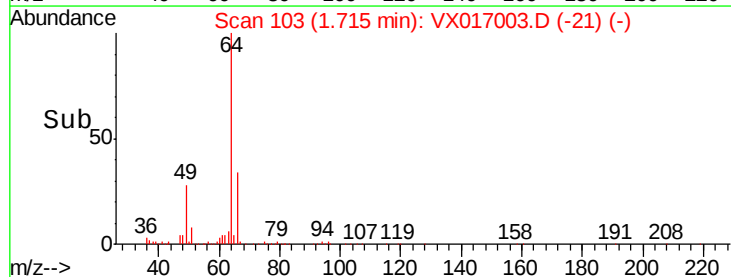
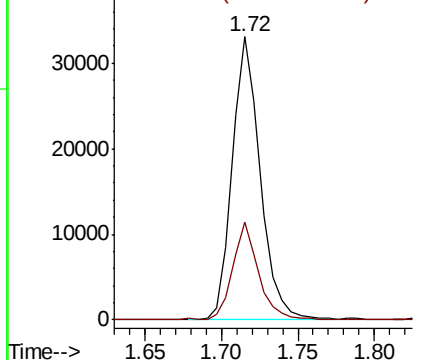
64 100

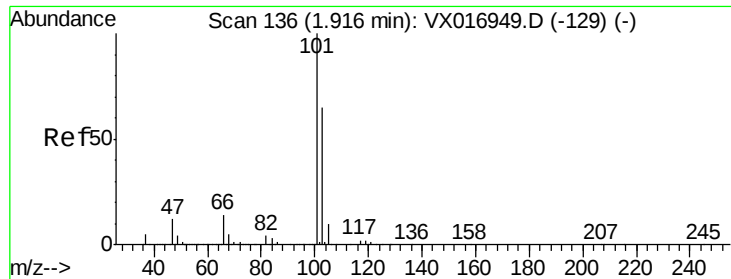
66 34.5 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

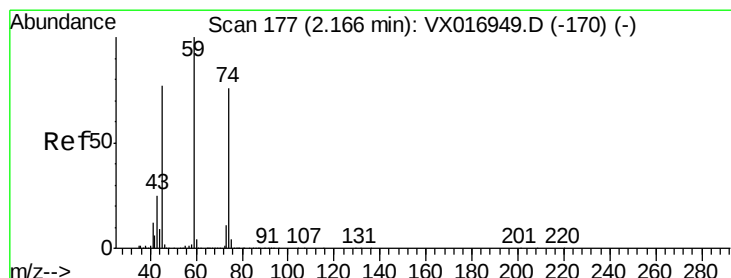
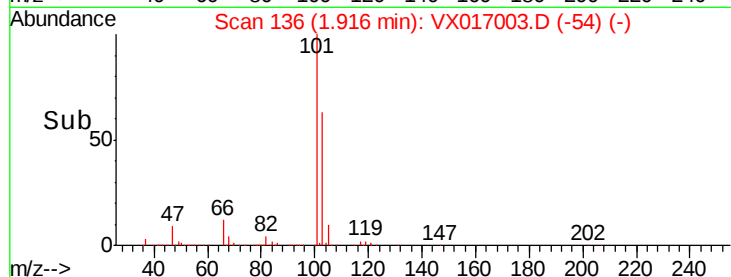
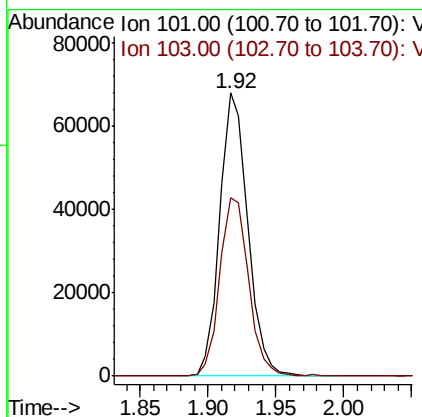
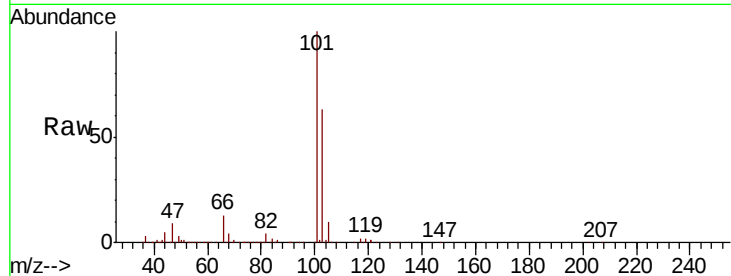
Trichlorofluoromethane
Concen: 16.195 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.1	78.1

Manual Integrations
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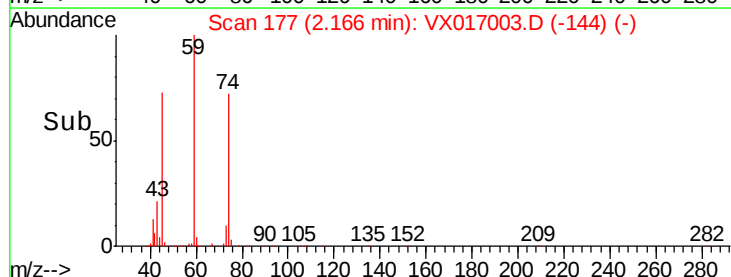
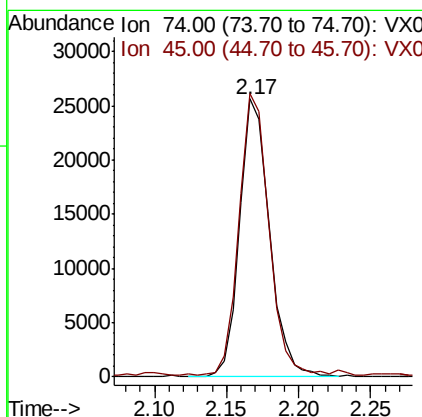
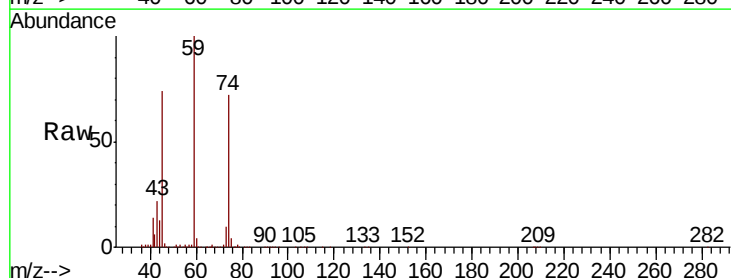
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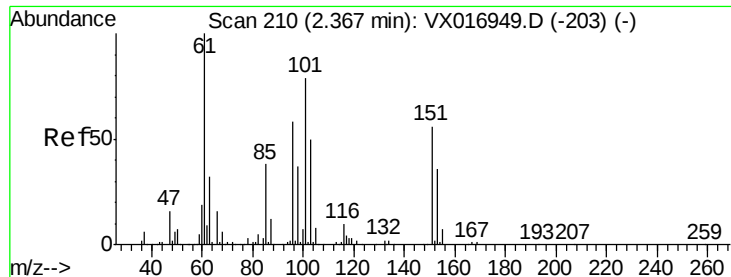


#8

Diethyl Ether
Concen: 16.977 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	19.8	178.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.745 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

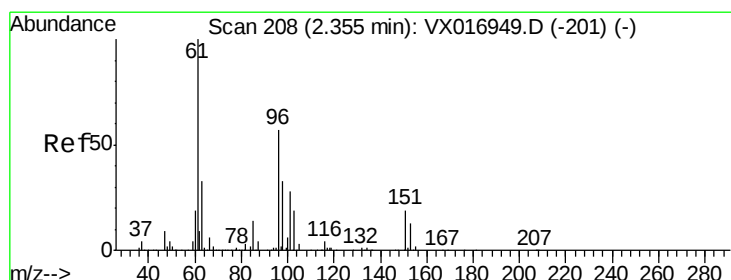
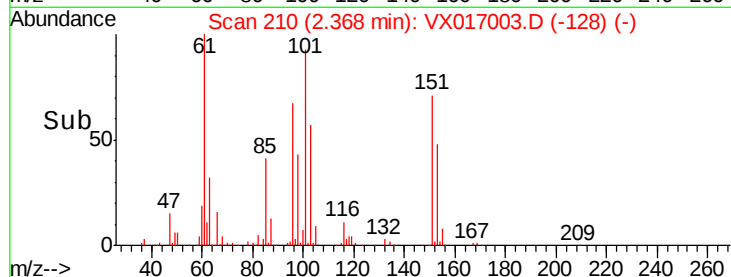
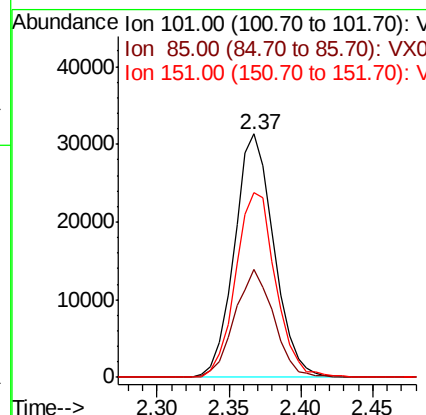
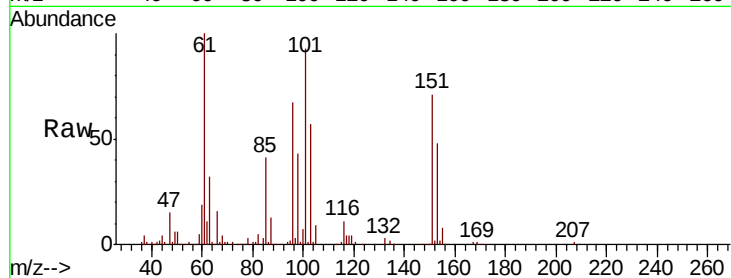
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	59767
Ion Ratio	Lower	Upper	
101	100		
85	43.8	0.0	94.6
151	76.9	0.0	145.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.497 ug/l

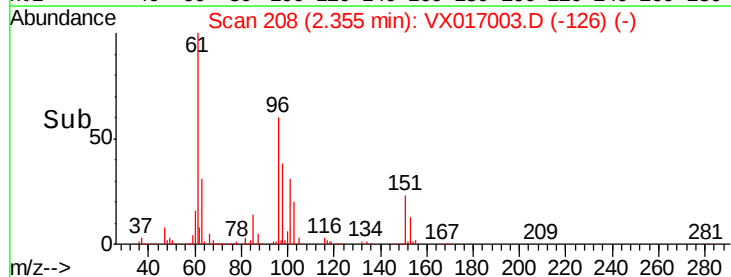
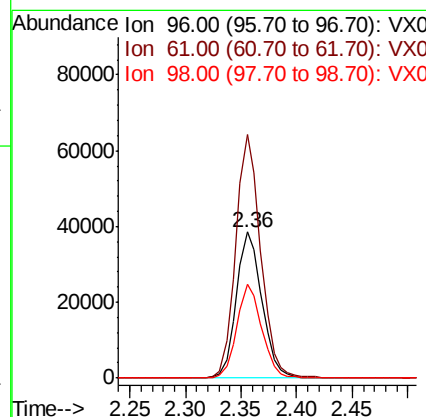
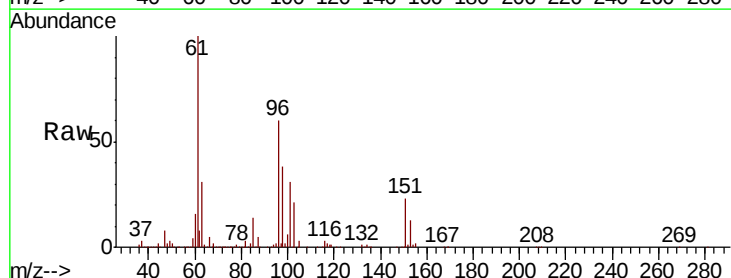
RT: 2.36 min Scan# 208

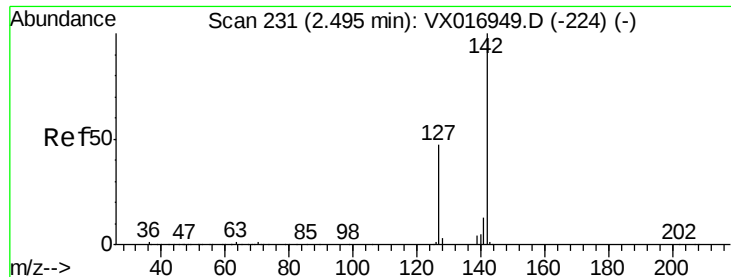
Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Tgt Ion:	96	Resp:	61309
Ion Ratio	Lower	Upper	
96	100		
61	167.2	141.3	211.9
98	64.3	47.0	70.4





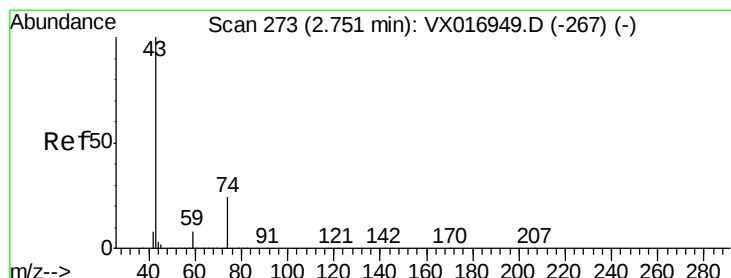
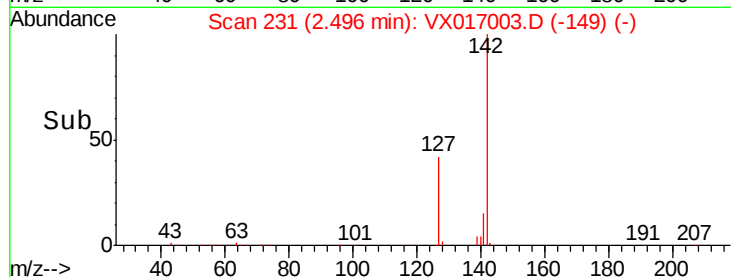
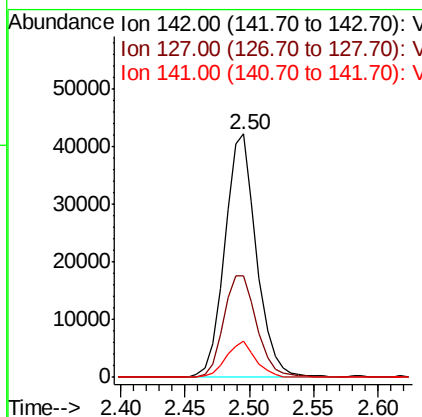
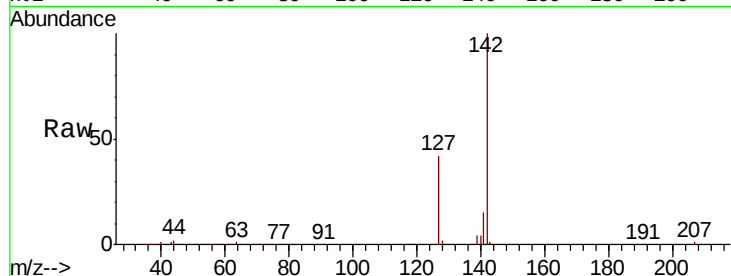
#11
Methvl Iodide
Concen: 17.255 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	23.3	69.9
141	14.9	6.7	20.1

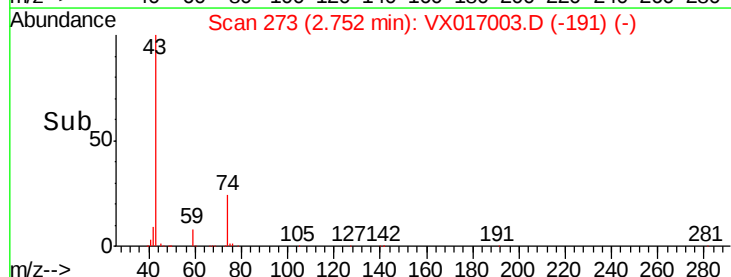
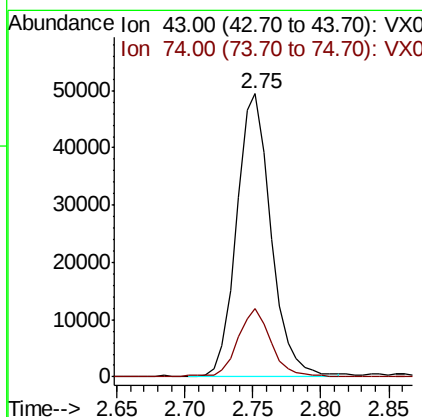
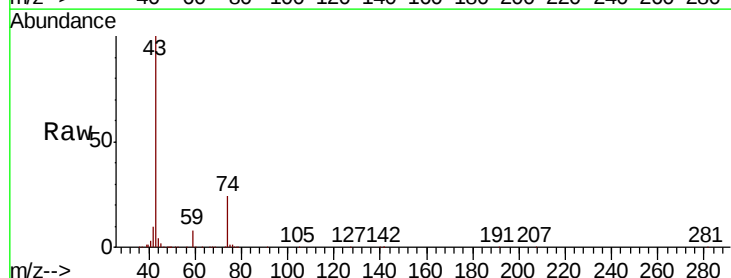
Manual Integrations
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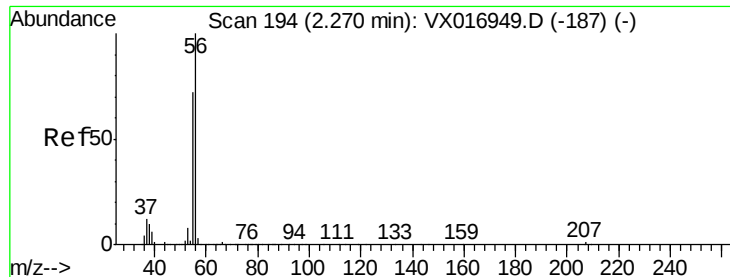
MMDadoda
6/29/2020 12:32:59 PM



#12
Methyl Acetate
Concen: 21.898 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.1	28.7





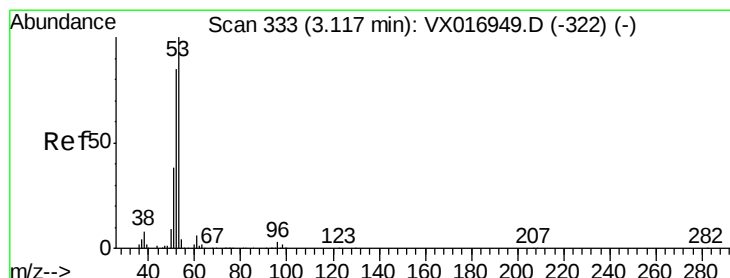
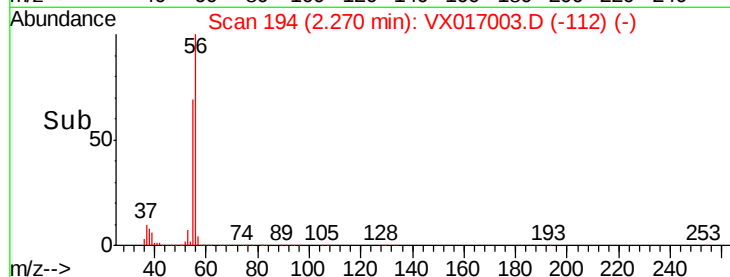
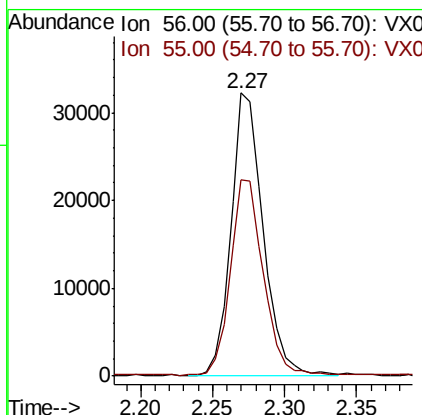
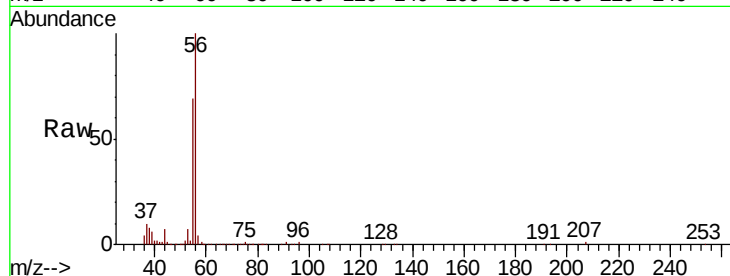
#13
Acrolein
Concen: 79.938 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	70.0			56.2	84.4

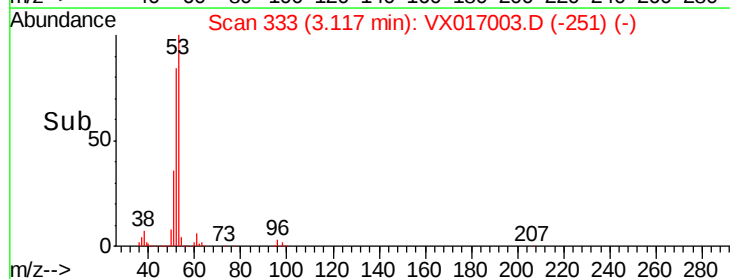
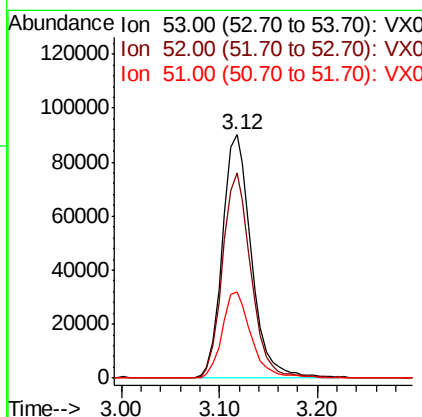
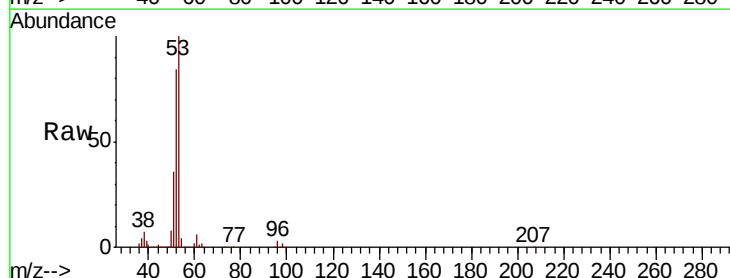
Manual Integrations
APPROVED

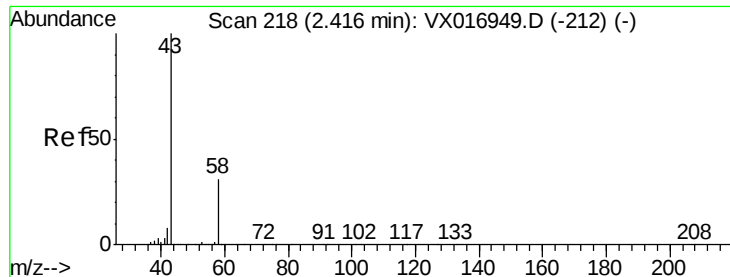
MMDadoda
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#14
Acrylonitrile
Concen: 98.656 ug/l
RT: 3.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	53	52	51	Ratio	Lower	Upper
53	100					
52	82.6				40.6	121.8
51	35.7				18.4	55.4





#15

Acetone

Concen: 97.091 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 58 Resp: 47204

Ion Ratio Lower Upper

58 100

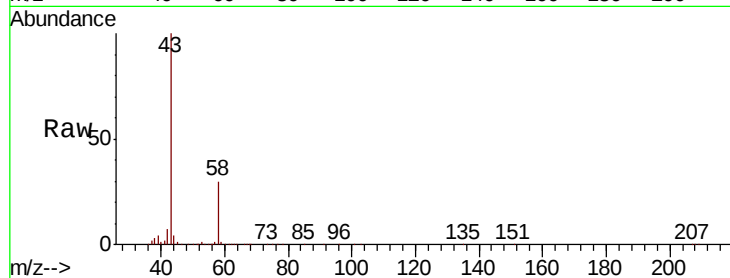
43 334.1 257.6 386.4

Manual Integrations

APPROVED

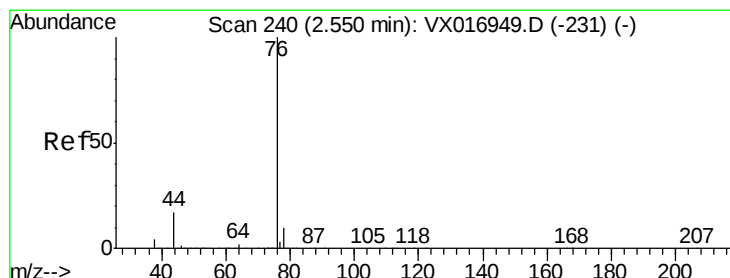
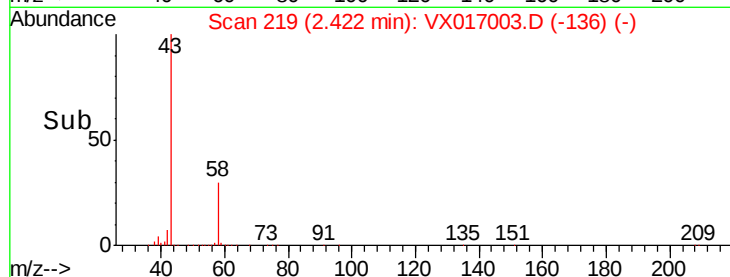
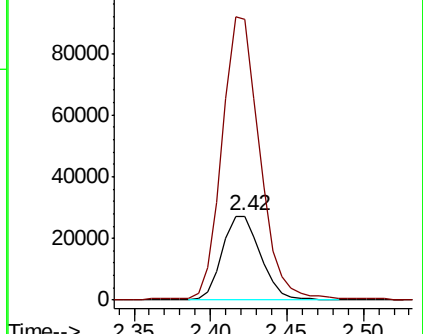
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.710 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017003.D

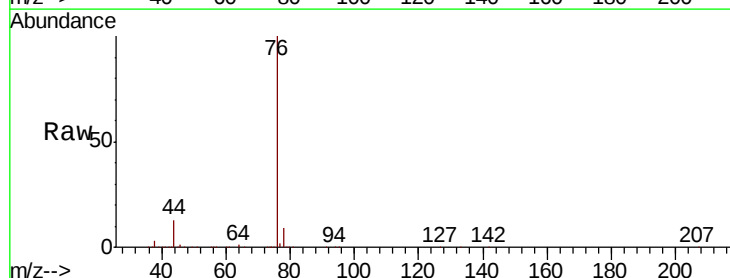
Acq: 27 Jun 2020 00:48

Tgt Ion: 76 Resp: 175069

Ion Ratio Lower Upper

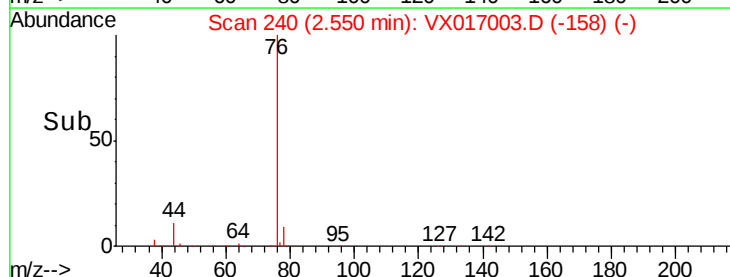
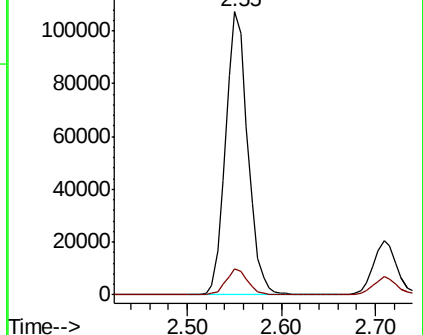
76 100

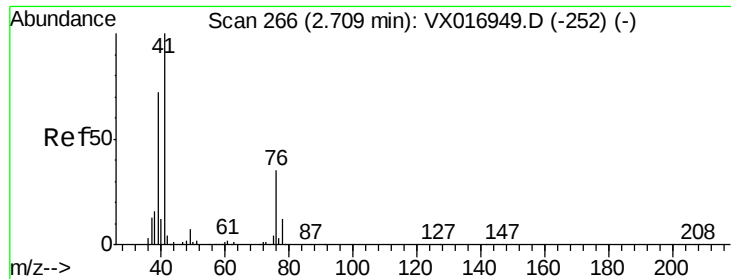
78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





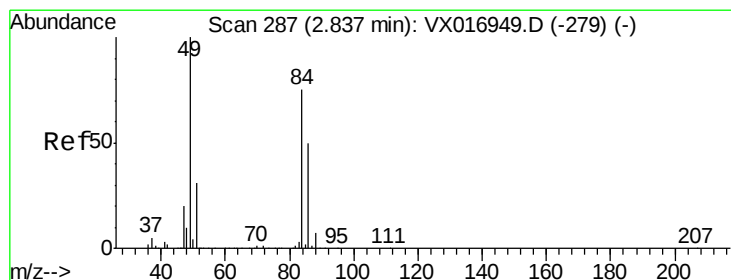
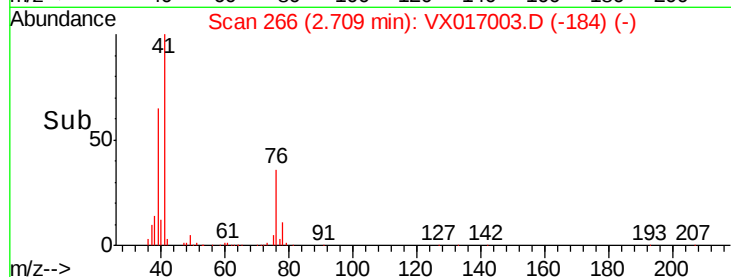
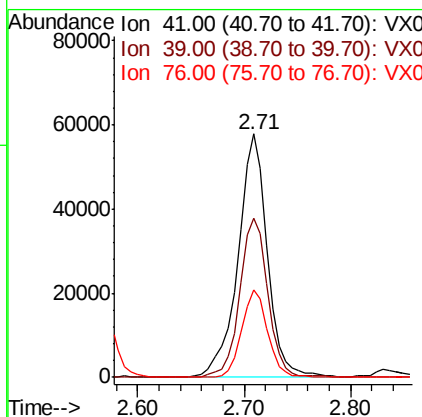
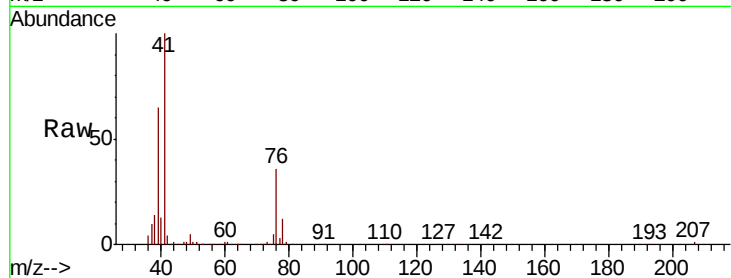
#17
Allvl chloride
Concen: 18.806 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.5	35.9	107.8
76	35.7	17.6	52.8

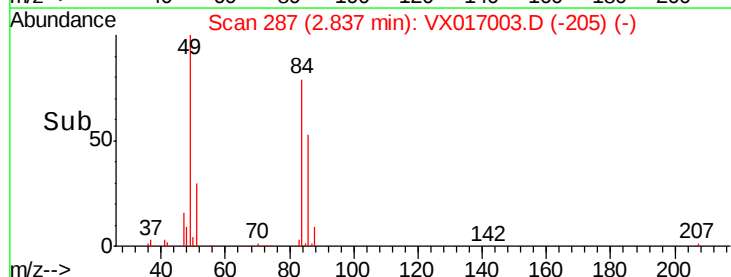
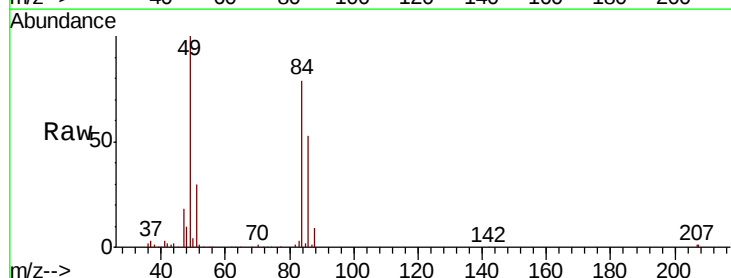
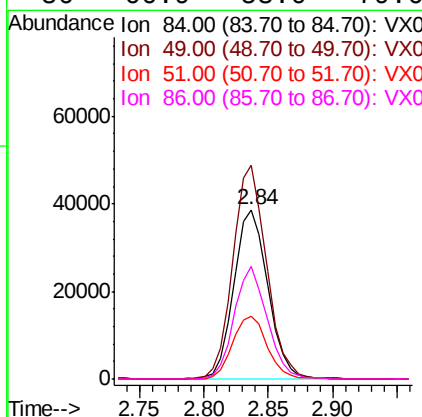
Manual Integrations
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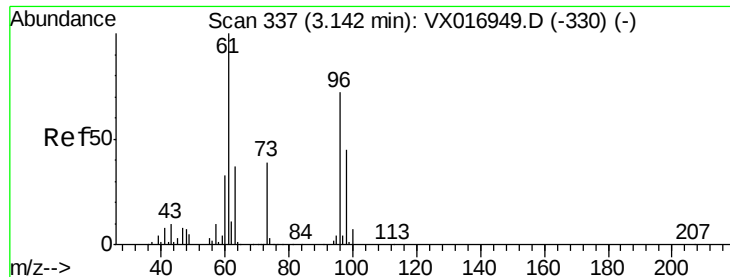
MMDadoda
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#18
Methylene Chloride
Concen: 18.738 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	106.6	159.8
51	37.1	32.7	49.1
86	66.9	53.0	79.6





#19

trans-1,2-Dichloroethene

Concen: 18.895 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

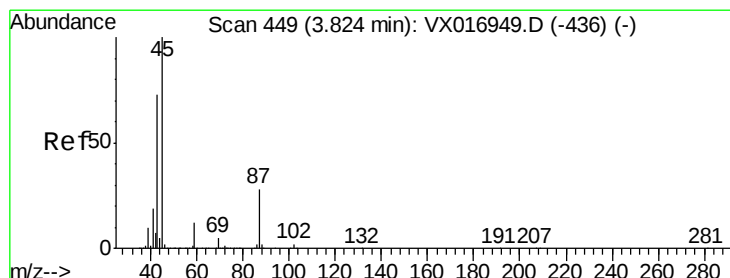
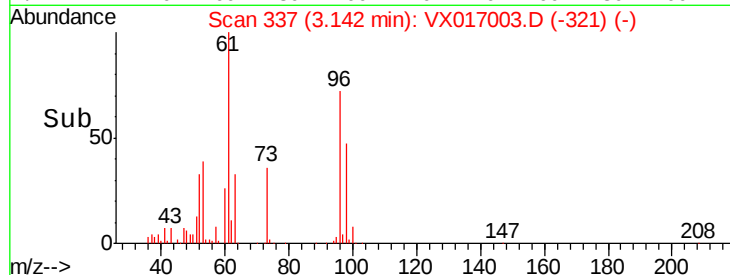
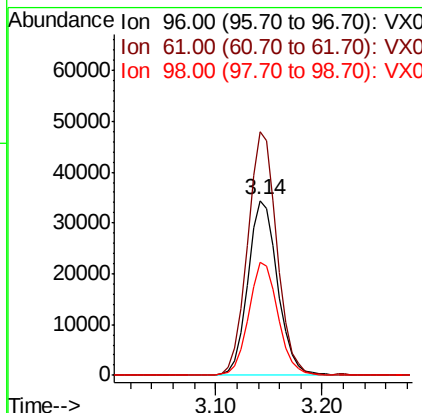
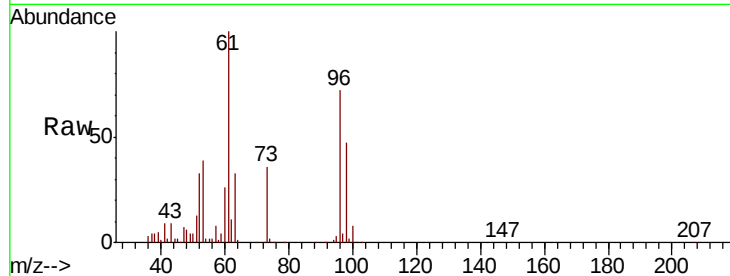
ClientSampleId :

VSTDCCC020EC

Tot Ion:	96	Resp:	67320
Ion	Ratio	Lower	Upper
96	100		
61	139.5	110.6	165.8
98	65.0	49.8	74.6

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.324 ug/l

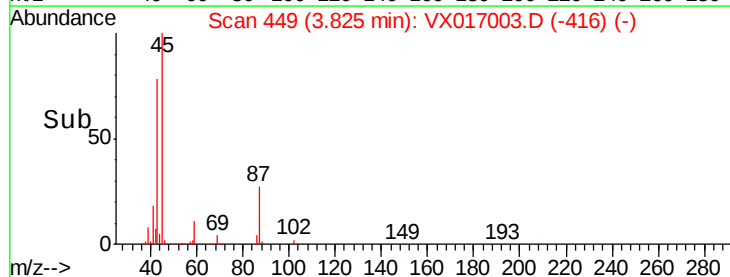
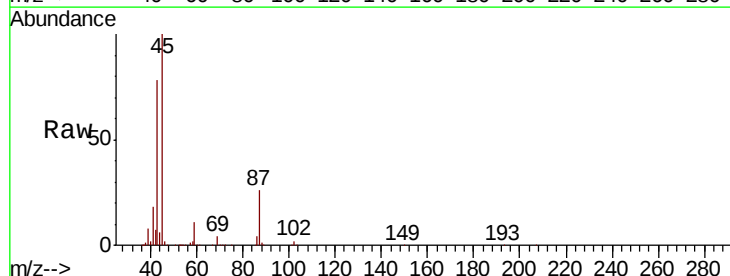
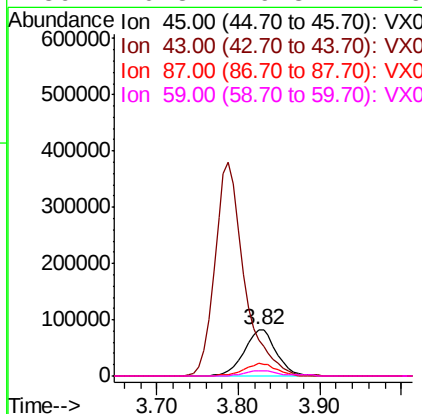
RT: 3.82 min Scan# 449

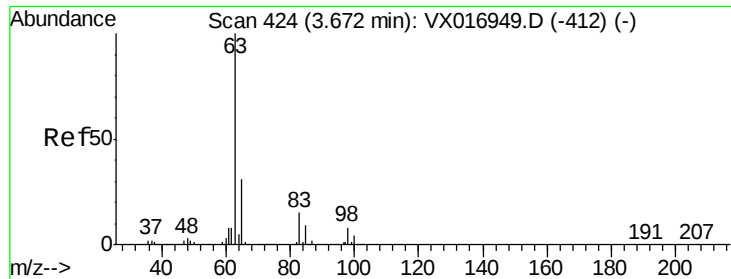
Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Tgt Ion:	45	Resp:	227337
Ion	Ratio	Lower	Upper
45	100		
43	77.5	63.9	95.9
87	26.5	22.2	33.4
59	10.8	9.8	14.6





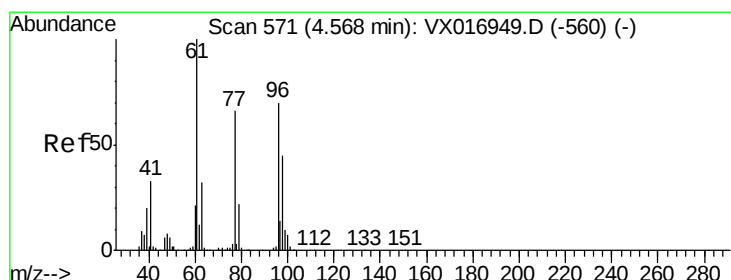
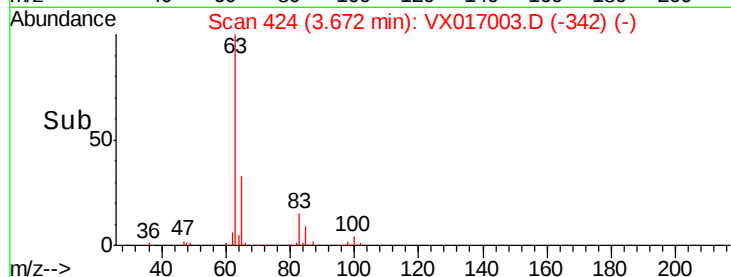
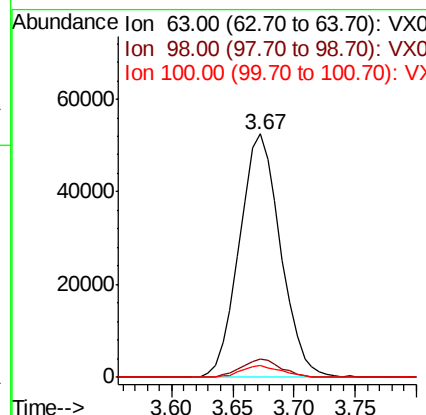
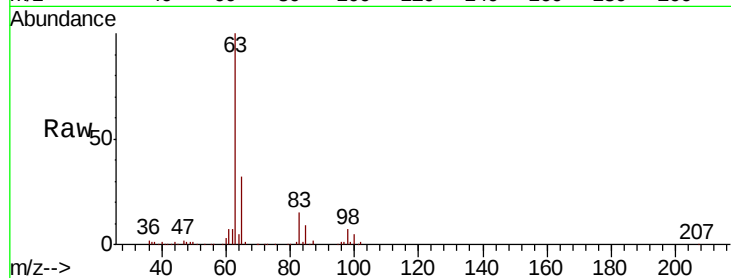
#21
1,1-Dichloroethane
Concen: 18.812 ug/l
RT: 3.67 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	122036		
98	7.4	3.8	11.4	
100	4.7	2.2	6.6	

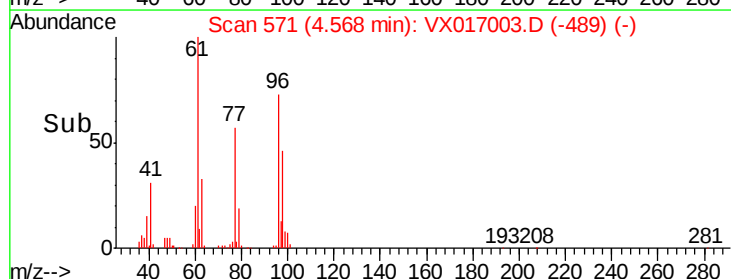
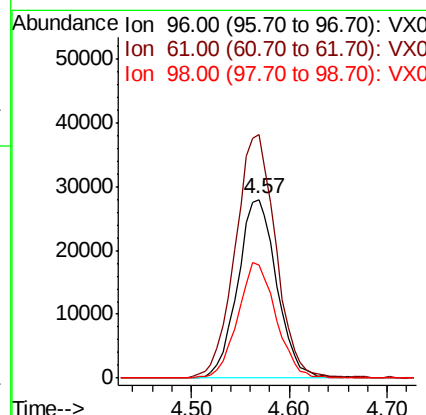
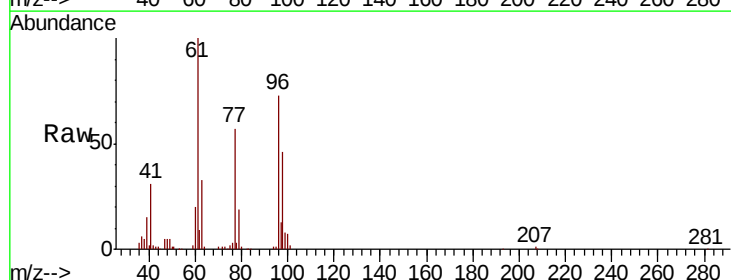
Manual Integrations
APPROVED

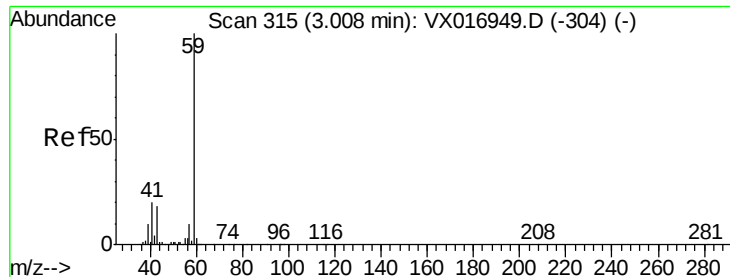
MMDadoda
6/29/2020 12:32:59 PM



#22
cis-1,2-Dichloroethene
Concen: 19.473 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77247		
61	141.6	120.8	181.2	
98	63.1	51.7	77.5	





#23

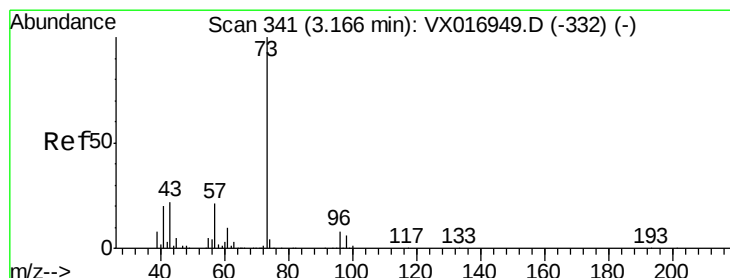
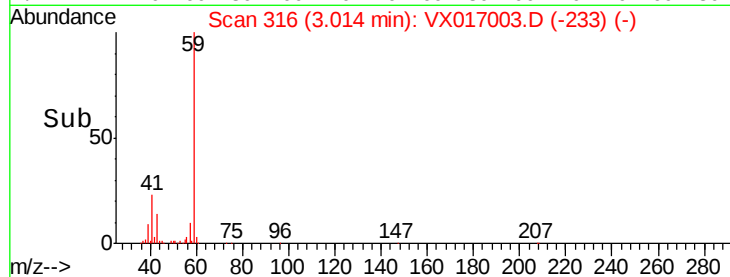
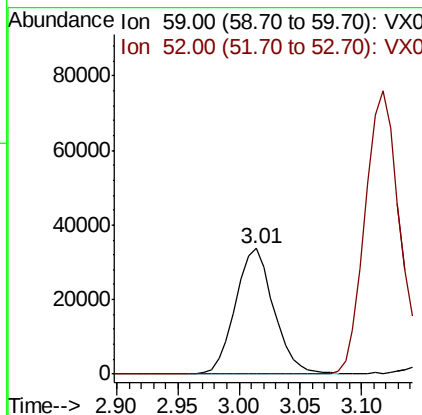
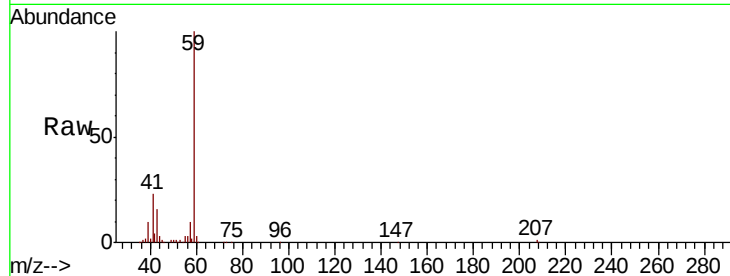
tert-Butyl Alcohol
 Concen: 88.887 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.1	0.1#

Manual Integrations
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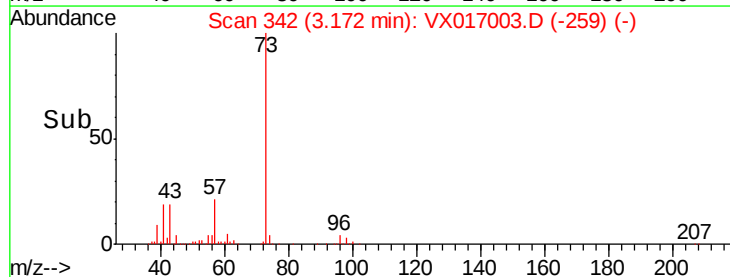
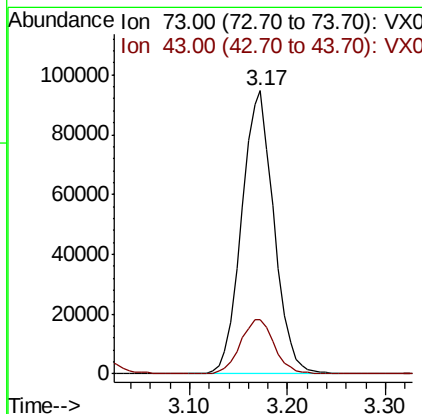
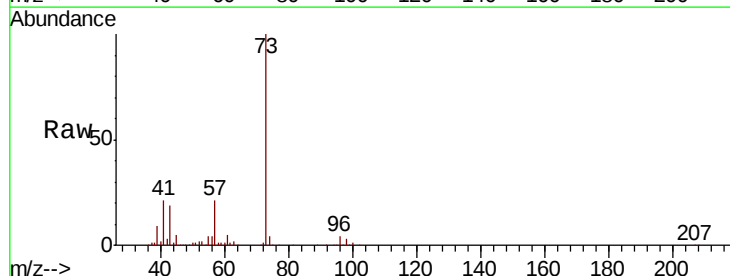
MMDadoda
 6/29/2020 12:32:59 PM

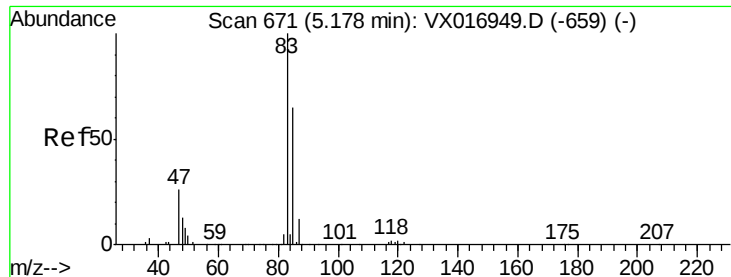


#24

Methyl tert-Butyl Ether
 Concen: 19.227 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.3	17.2	25.8





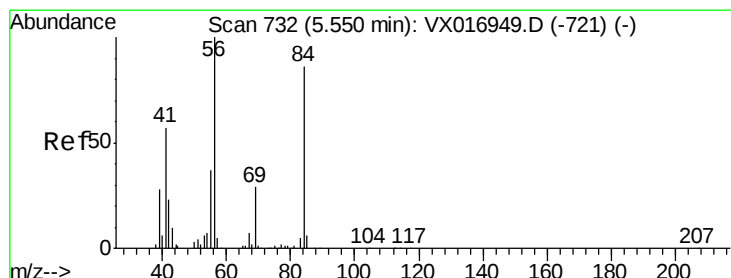
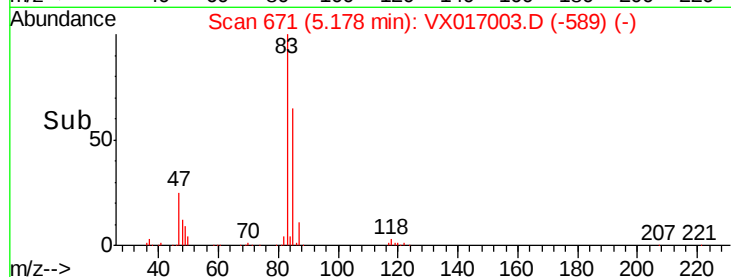
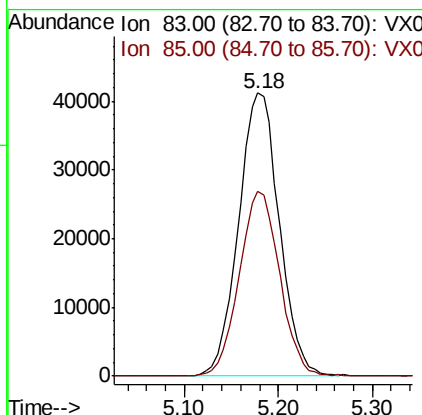
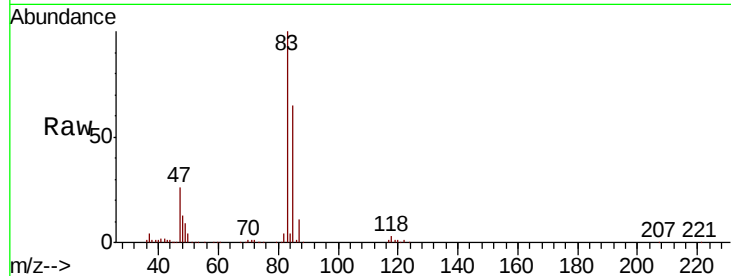
#25
Chloroform
Concen: 18.968 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	124753
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	52.1	78.1

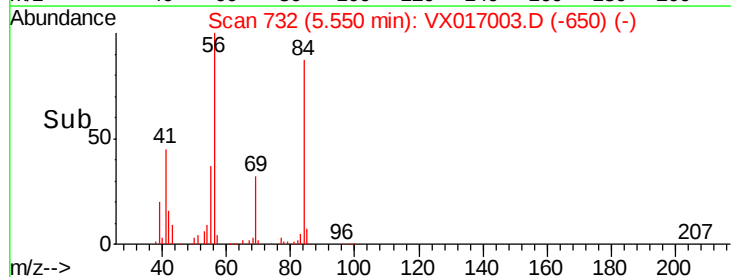
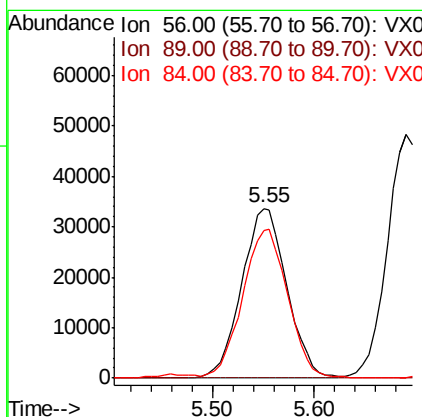
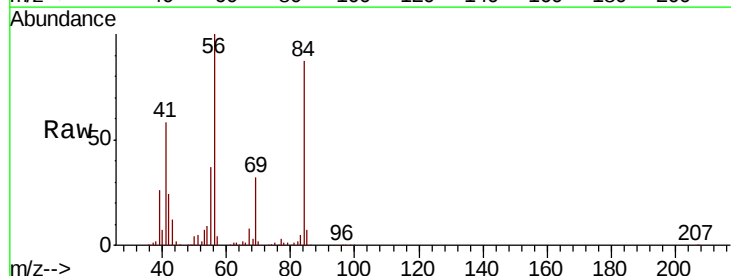
Manual Integrations
APPROVED

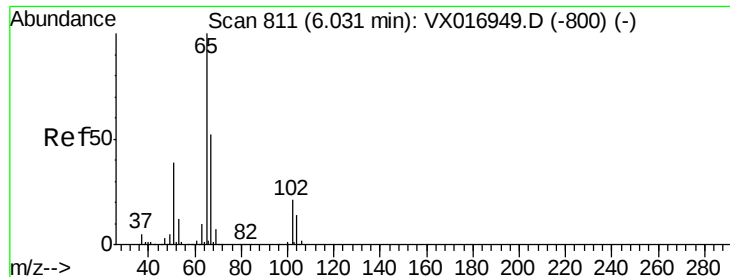
MMDadoda
6/29/2020 12:32:59 PM



#26
Cyclohexane
Concen: 18.261 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	56	Resp	103335
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	86.5	69.0	103.6





#27

1,2-Dichloroethane-d4

Concen: 29.114 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 124474

Ion Ratio Lower Upper

65 100

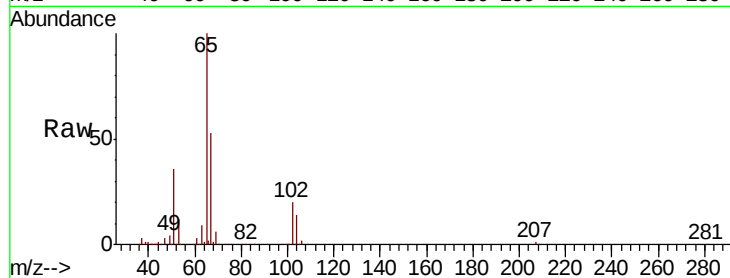
67 52.3 41.5 62.3

Manual Integrations

APPROVED

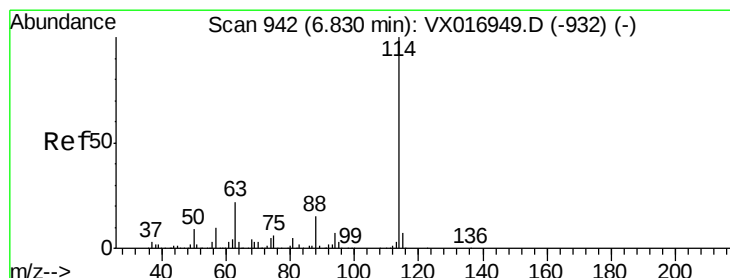
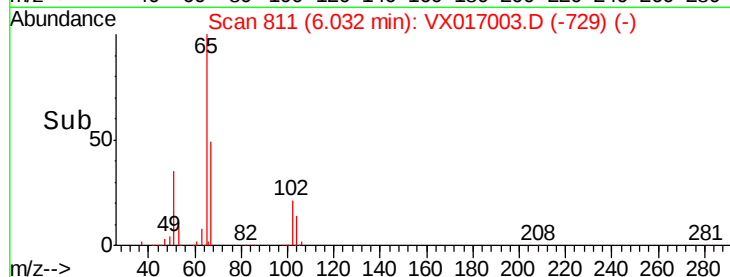
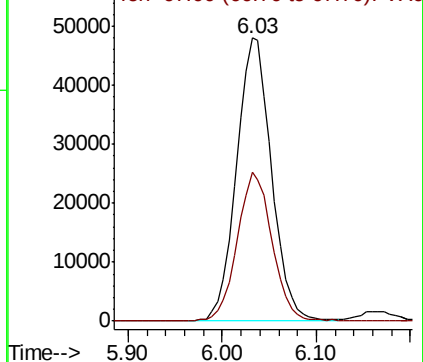
MMDadoda

6/29/2020 12:32:59 PM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

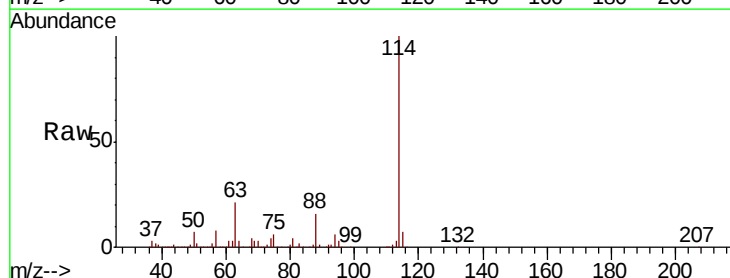
Tgt Ion: 114 Resp: 296009

Ion Ratio Lower Upper

114 100

63 20.8 17.4 26.2

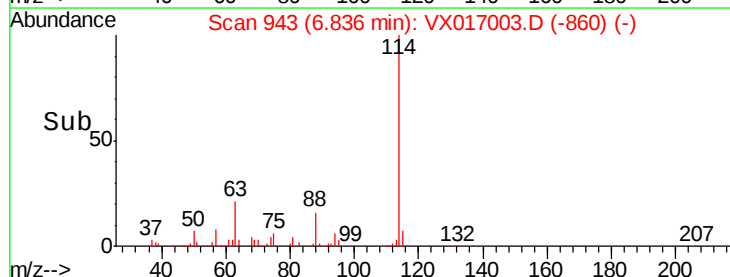
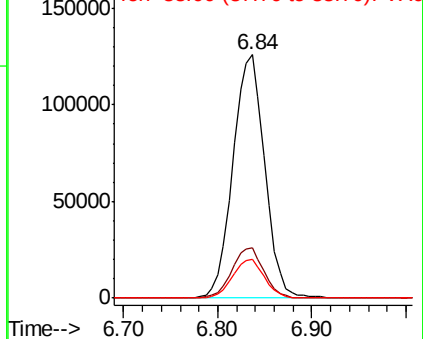
88 15.9 13.0 19.6

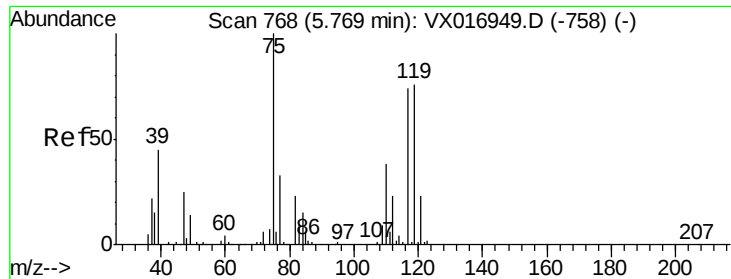


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





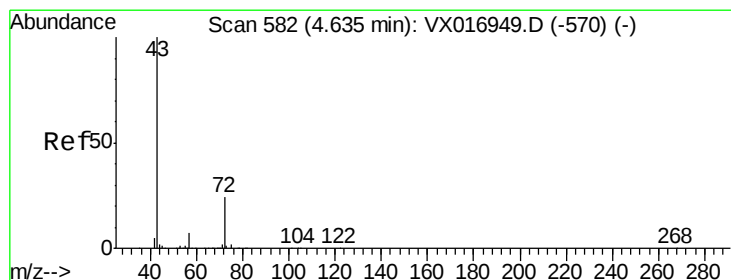
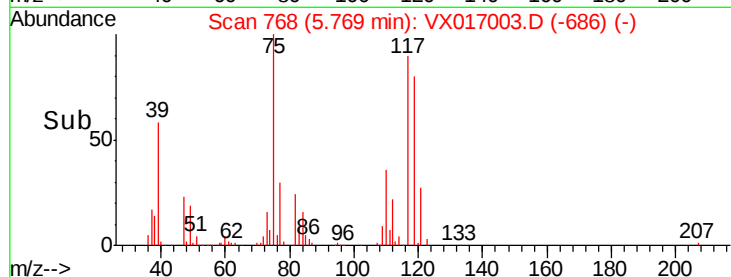
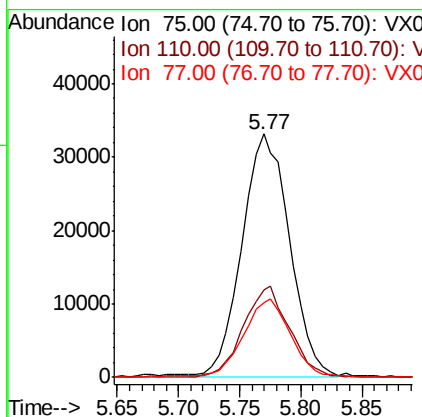
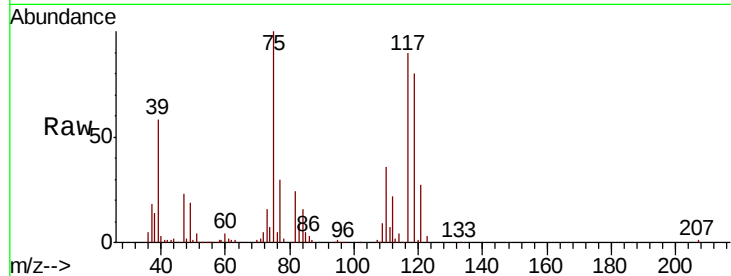
#29
 1,1-Dichloropropene
 Concen: 18.607 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	71.6
77	31.6	0.0	64.0

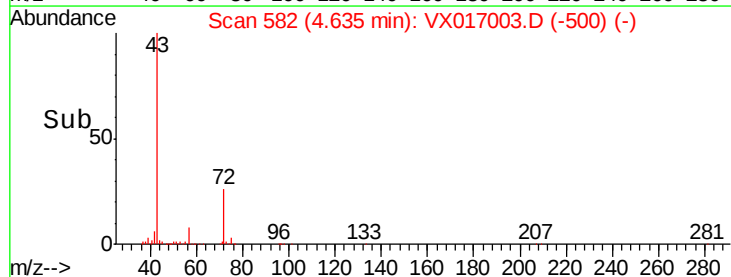
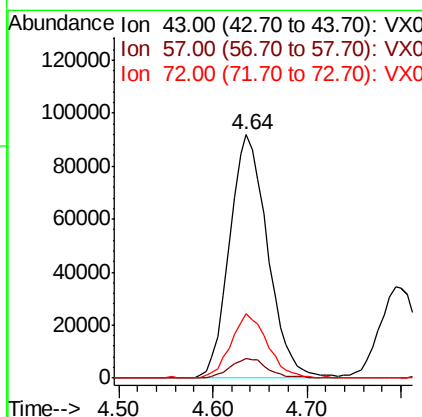
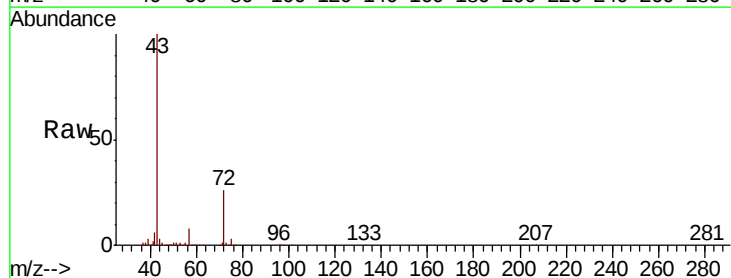
Manual Integrations
 APPROVED

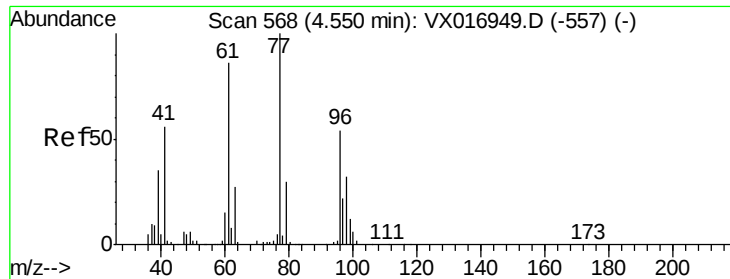
MMDadoda
 6/29/2020 12:32:59 PM



#30
 2-Butanone
 Concen: 101.890 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.2	9.4
72	25.3	20.6	31.0





#31

2,2-Dichloropropane

Concen: 15.815 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 87460

Ion Ratio Lower Upper

77 100

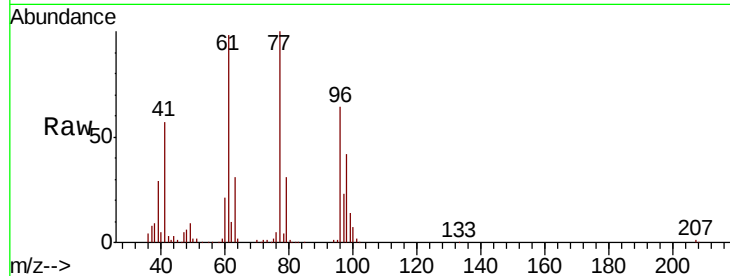
97 22.9 18.5 27.7

Manual Integrations

APPROVED

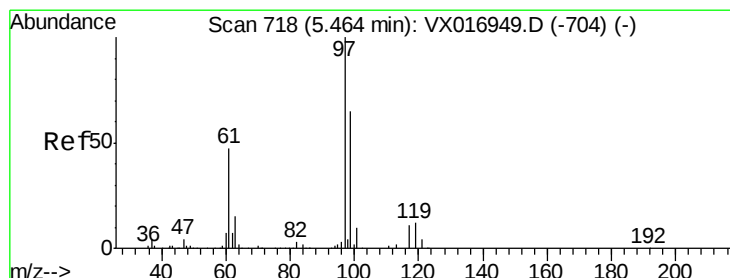
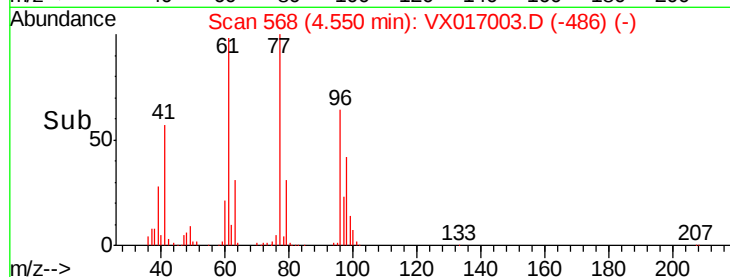
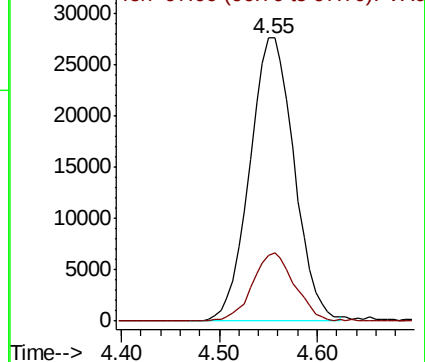
MMDadoda

6/29/2020 12:32:59 PM



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.580 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

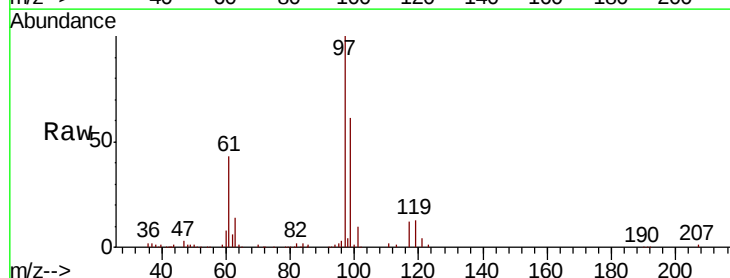
Tgt Ion: 97 Resp: 114248

Ion Ratio Lower Upper

97 100

99 62.8 52.2 78.2

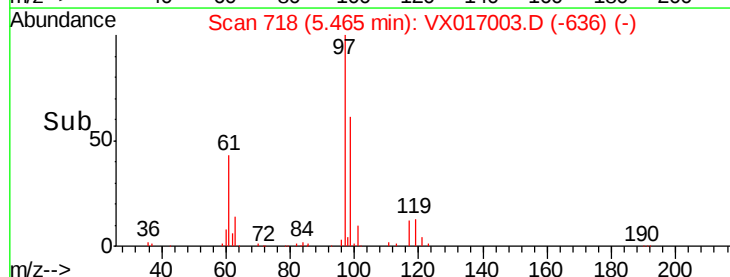
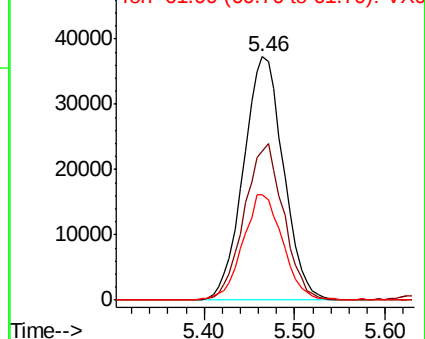
61 42.8 36.9 55.3

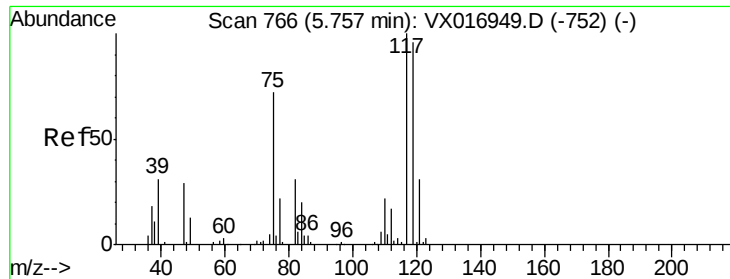


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





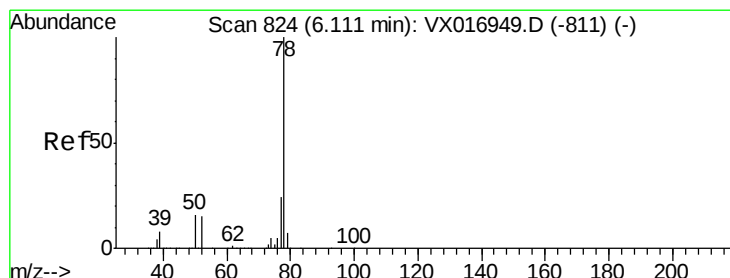
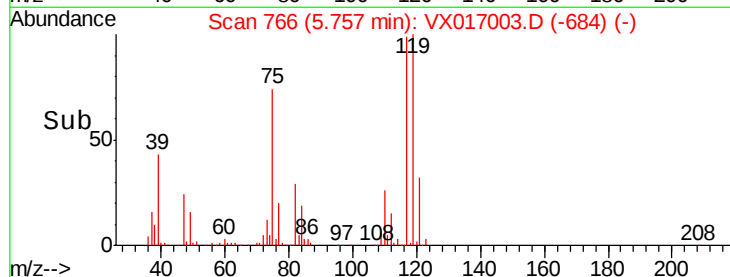
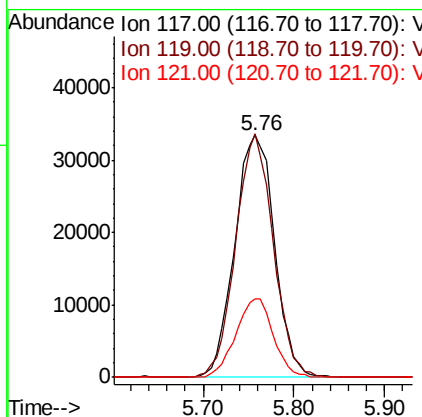
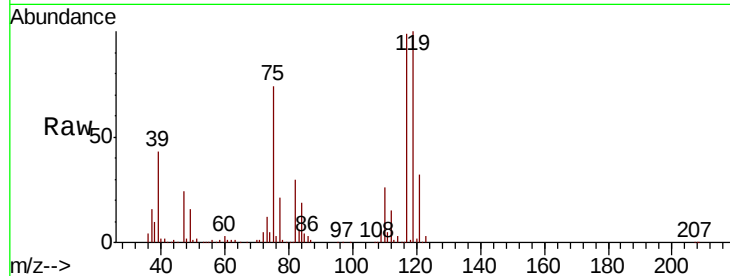
#33
Carbon Tetrachloride
Concen: 19.631 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.6	77.0	115.4
121	32.2	25.0	37.4

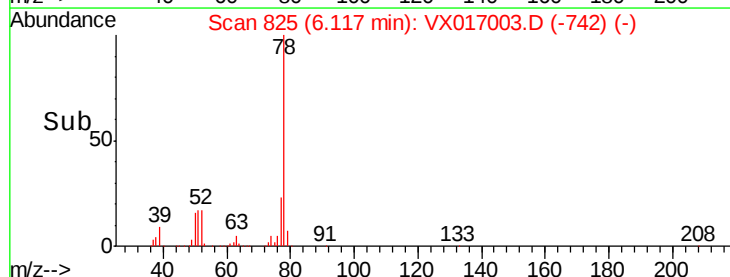
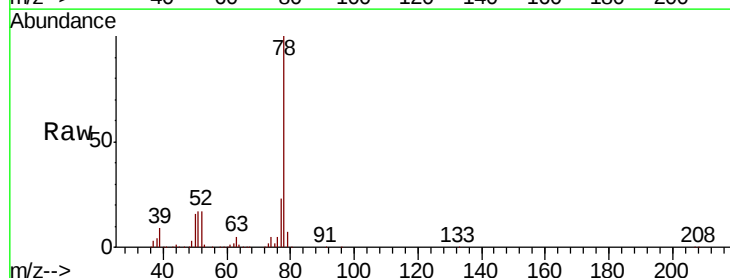
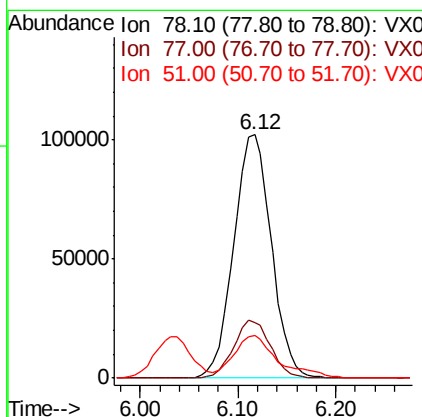
Manual Integrations
APPROVED

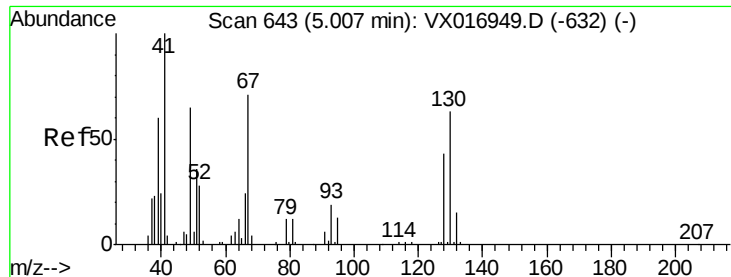
MMDadoda
6/29/2020 12:32:59 PM



#34
Benzene
Concen: 19.420 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.6
51	16.9	12.8	19.2





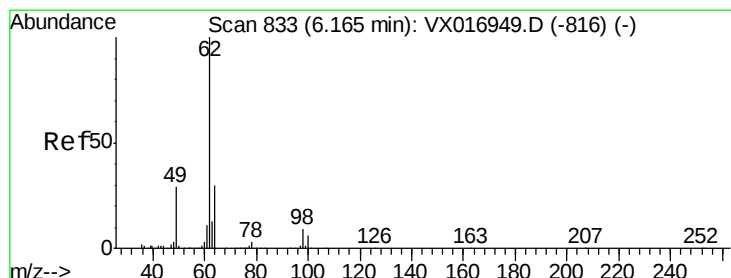
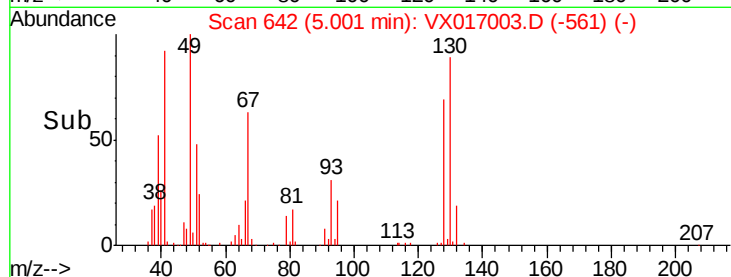
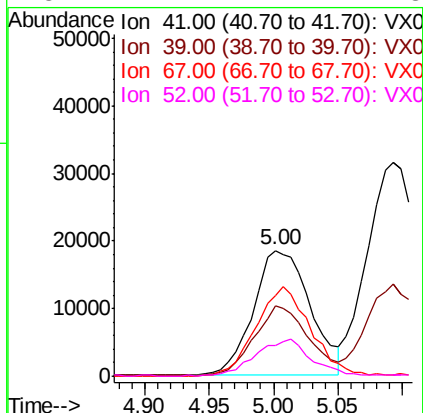
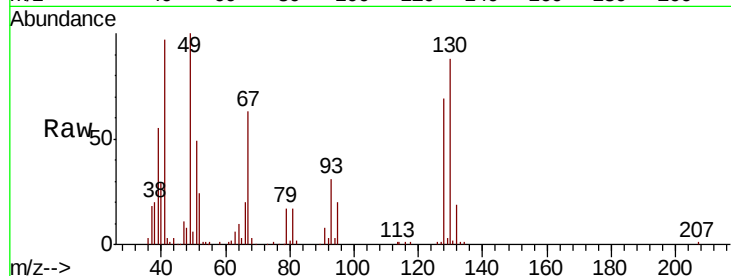
#35
Methacrylonitrile
Concen: 20.526 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	56937
Ion Ratio	Lower	Upper	
41	100		
39	55.6	29.8	89.5
67	65.0	35.3	105.9
52	24.1	14.1	42.3

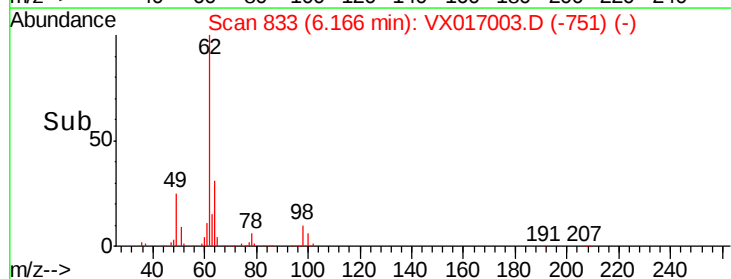
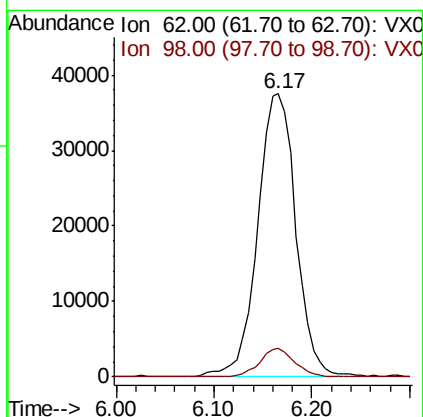
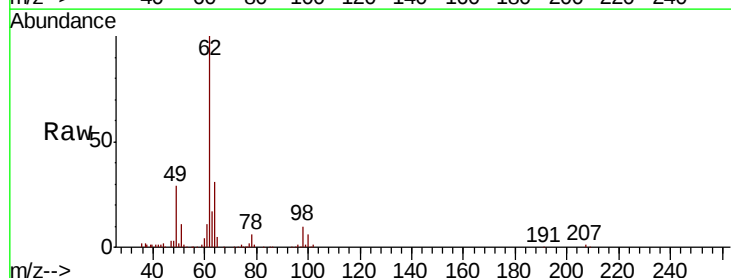
Manual Integrations
APPROVED

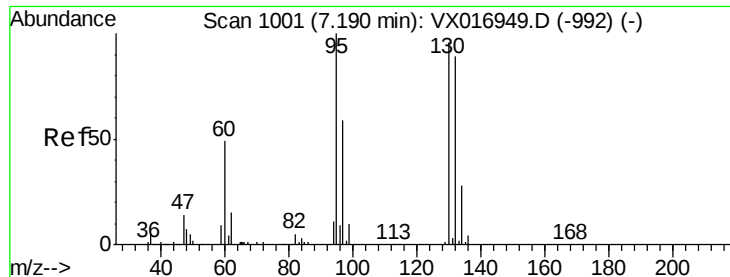
MMDadoda
6/29/2020 12:32:59 PM



#36
1,2-Dichloroethane
Concen: 18.884 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion:	62	Resp:	101548
Ion Ratio	Lower	Upper	
62	100		
98	9.4	7.6	11.4





#37

Trichloroethene

Concen: 21.174 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 81126

Ion Ratio Lower Upper

130 100

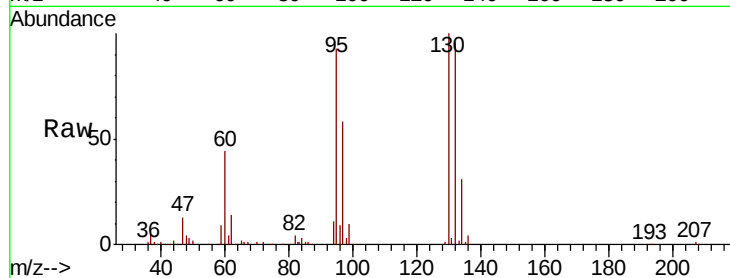
95 93.0 83.1 124.7

Manual Integrations

APPROVED

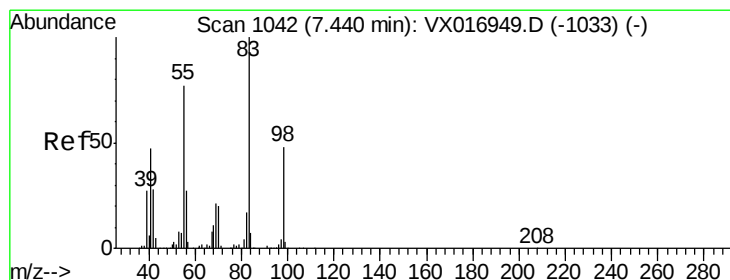
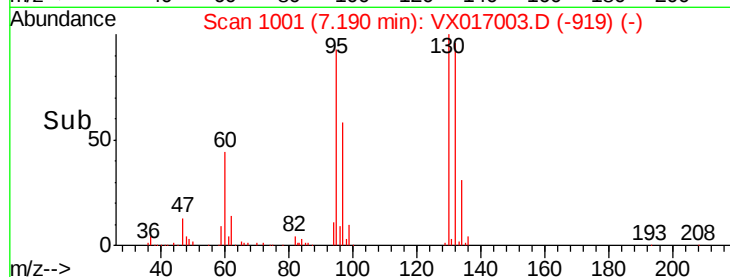
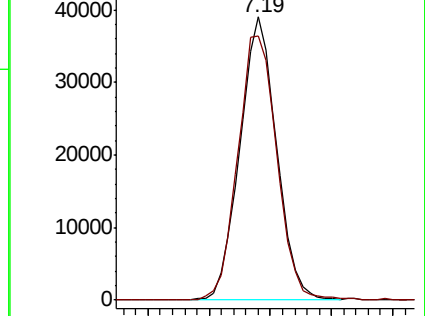
MMDadoda

6/29/2020 12:32:59 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 17.592 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

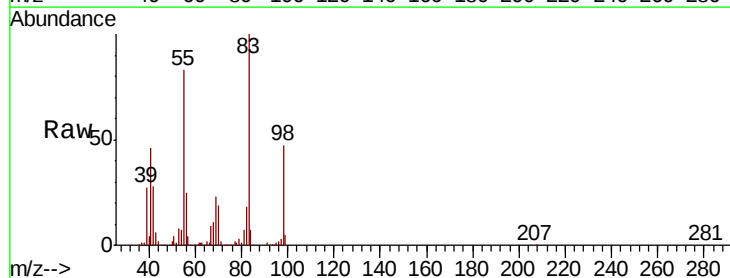
Tgt Ion: 83 Resp: 96609

Ion Ratio Lower Upper

83 100

55 80.4 38.1 114.5

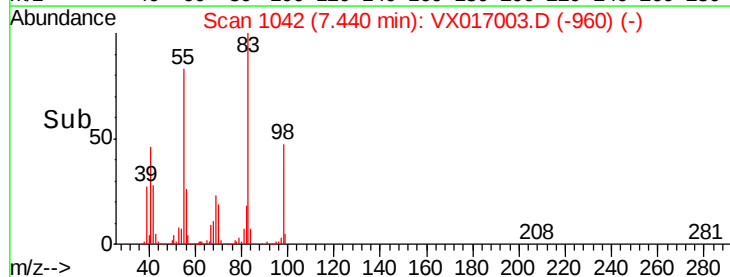
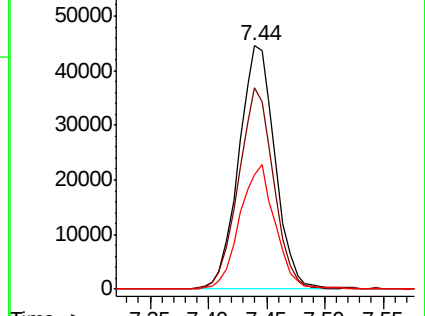
98 50.2 24.6 73.6

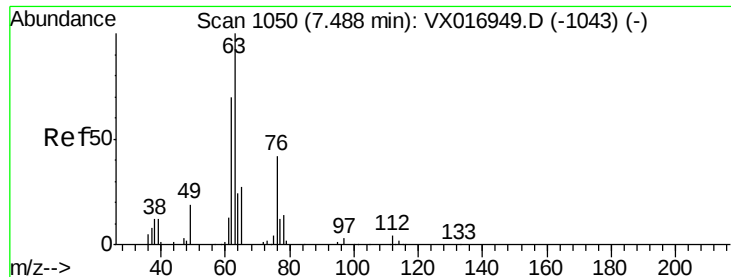


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





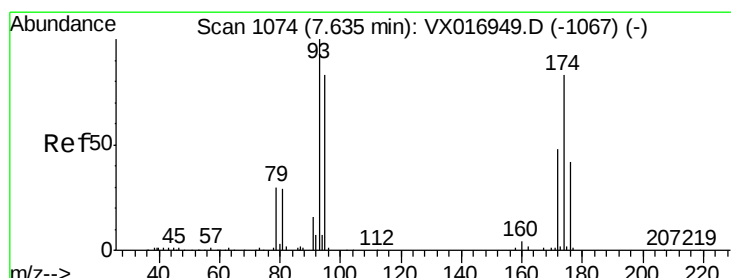
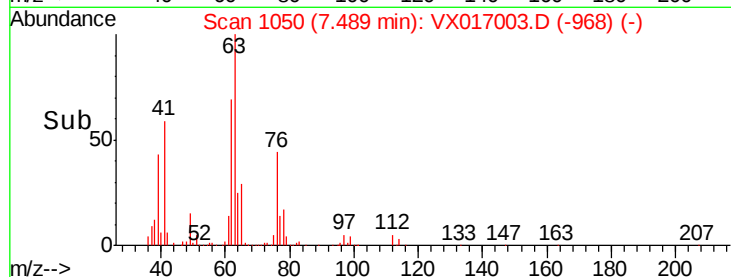
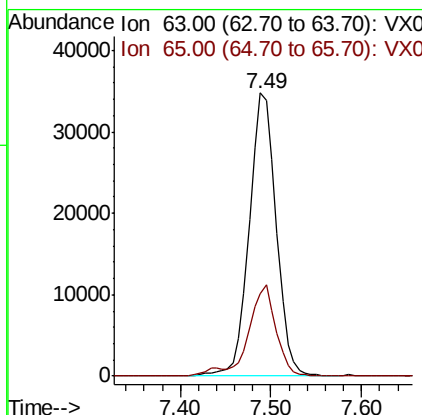
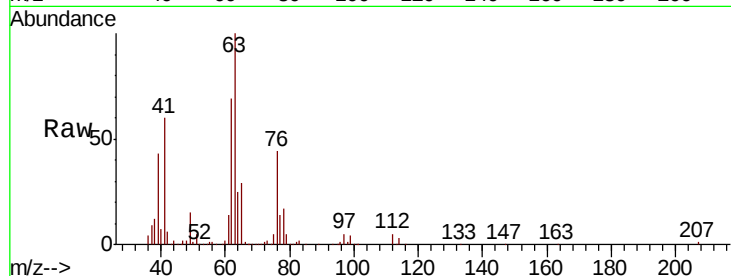
#39
 1,2-Dichloropropane
 Concen: 19.634 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	63	Resp	71822
Ion Ratio	100	Lower	Upper
63	100		
65	28.9	22.8	34.2

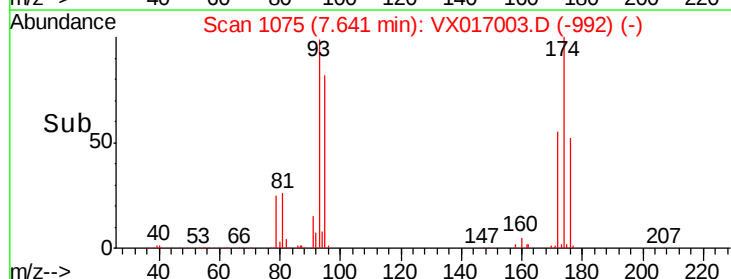
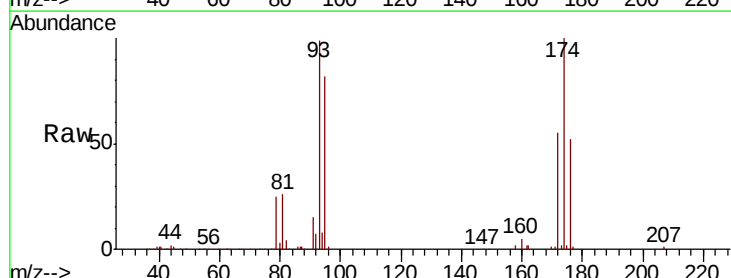
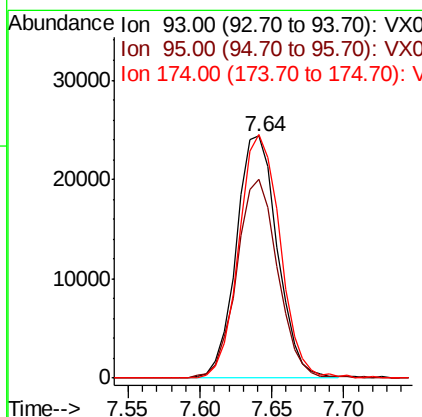
Manual Integrations
 APPROVED

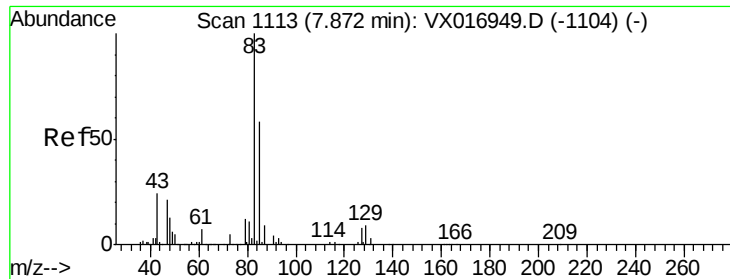
MMDadoda
 6/29/2020 12:32:59 PM



#40
 Dibromomethane
 Concen: 19.192 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Tgt Ion	93	Resp	48385
Ion Ratio	100	Lower	Upper
93	100		
95	81.8	0.0	165.4
174	100.4	0.0	192.0





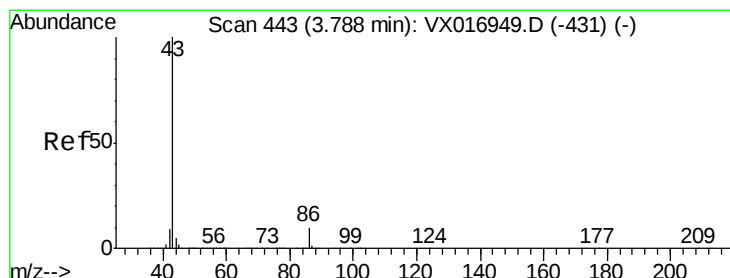
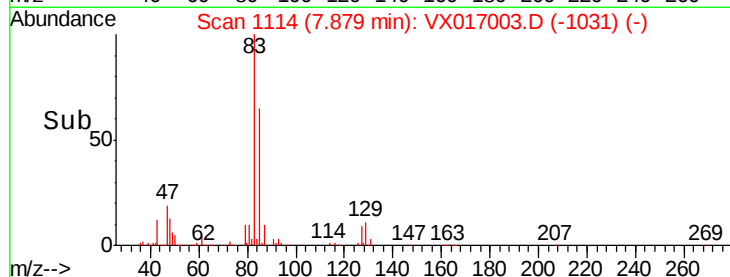
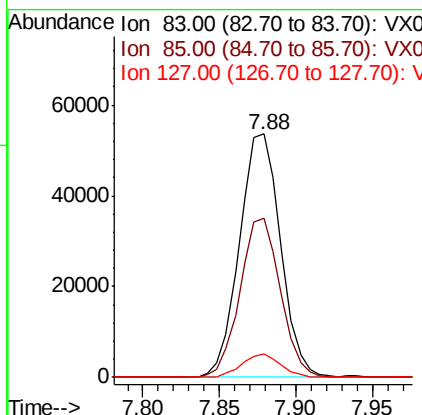
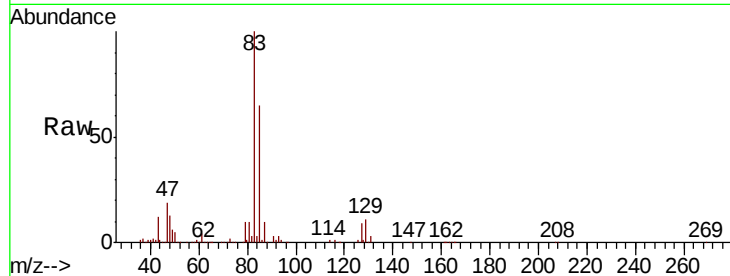
#41
Bromodichloromethane
Concen: 19.225 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	100366
Ion Ratio	Lower	Upper	
83	100		
85	65.0	46.7	70.1
127	9.4	6.5	9.7

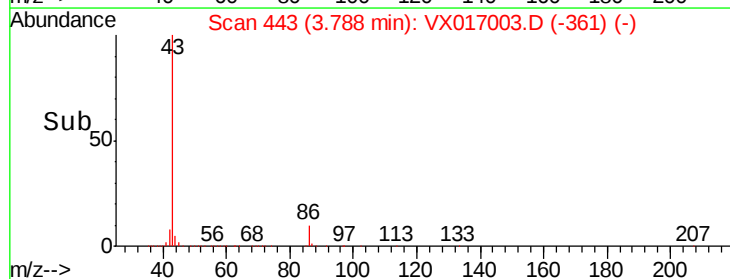
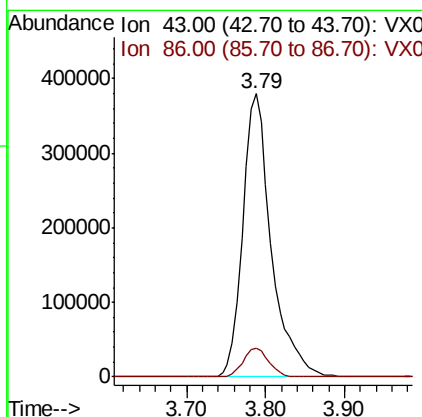
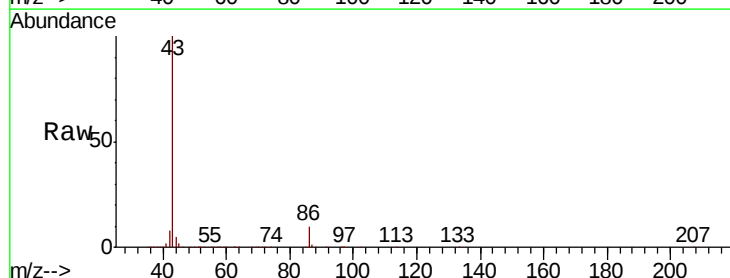
Manual Integrations
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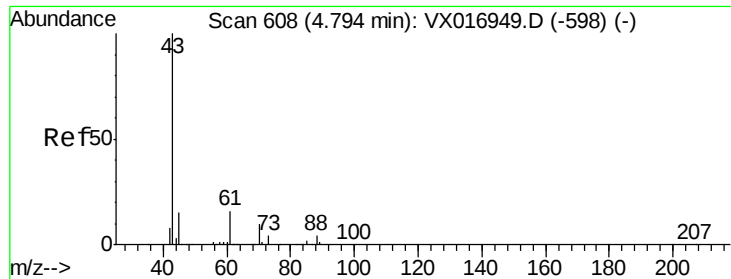
MMDadoda
6/29/2020 12:32:59 PM



#42
Vinyl Acetate
Concen: 94.205 ug/l
RT: 3.79 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	43	Resp	954183
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.4	11.2





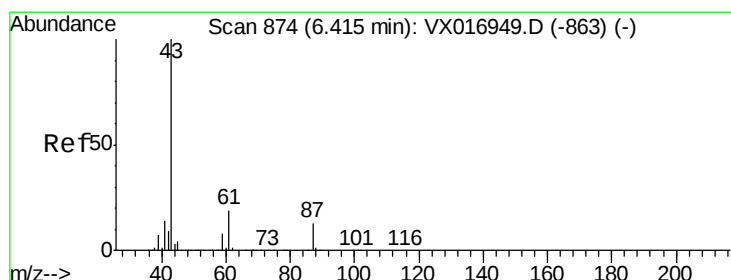
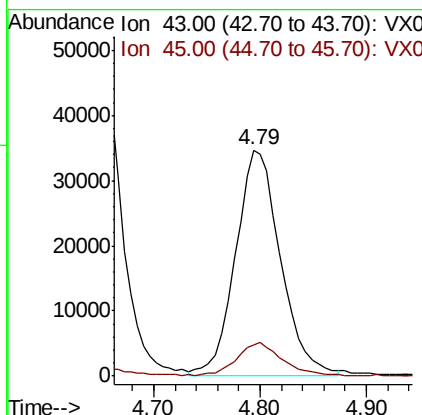
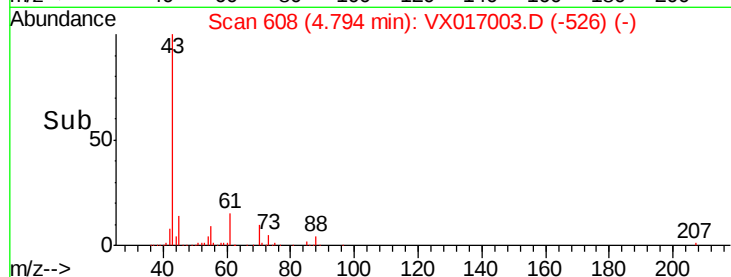
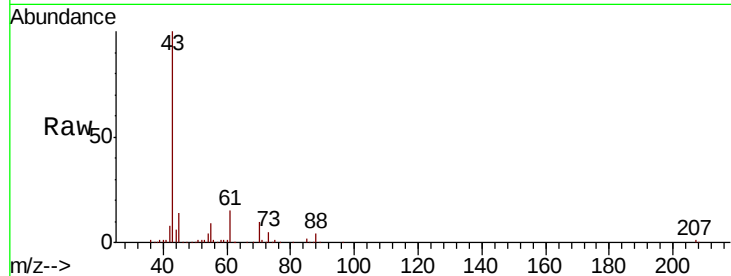
#43
Ethyl Acetate
Concen: 19.590 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020EC

Tot Ion: 43 Resp: 101992
Ion Ratio Lower Upper
43 100
45 14.4 11.8 17.6

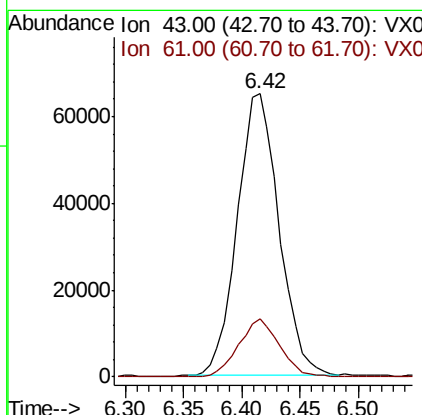
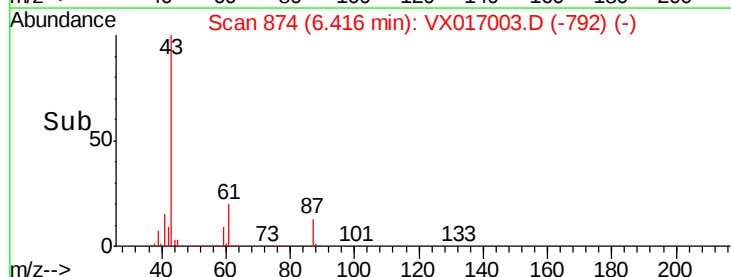
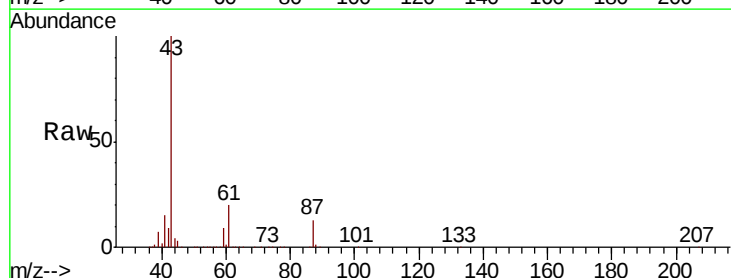
Manual Integrations
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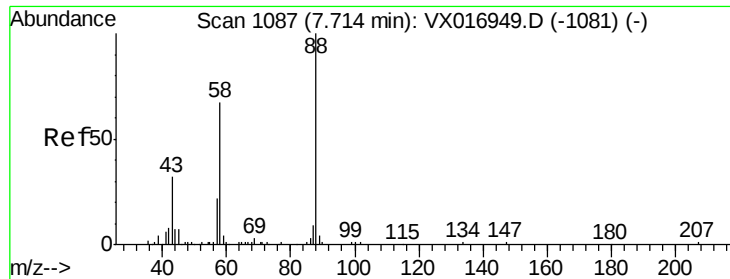
MMDadoda
6/29/2020 12:32:59 PM



#44
Isopropyl Acetate
Concen: 18.906 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion: 43 Resp: 162249
Ion Ratio Lower Upper
43 100
61 20.3 15.4 23.2





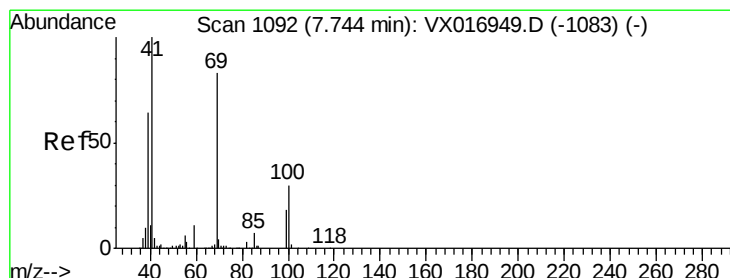
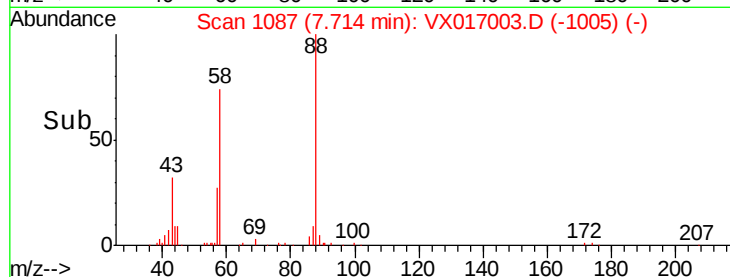
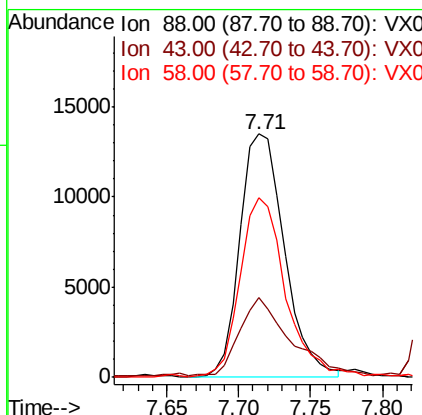
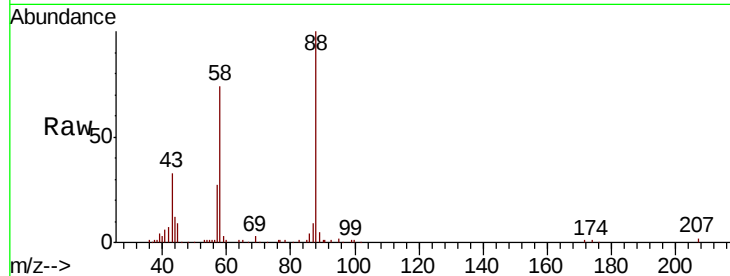
#45
 1,4-Dioxane
 Concen: 334.977 ug/l
 RT: 7.71 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.9	43.3
58	75.3	56.7	85.1

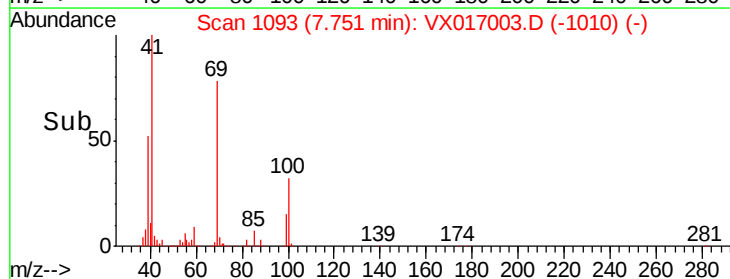
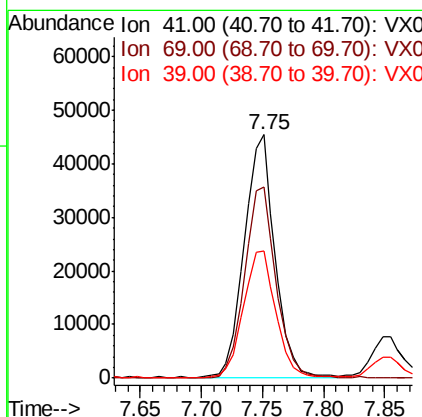
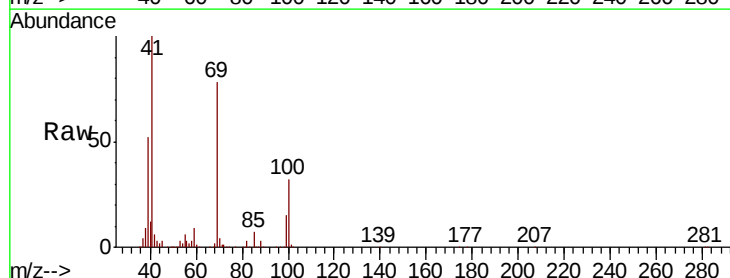
Manual Integrations
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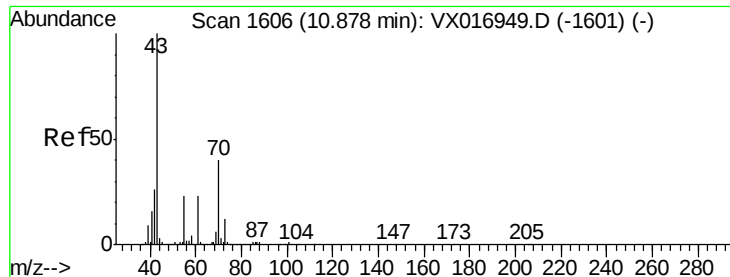
MMDadoda
 6/29/2020 12:32:59 PM



#46
 Methyl methacrylate
 Concen: 19.775 ug/l
 RT: 7.75 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.6	41.3	123.9
39	52.0	32.0	96.2





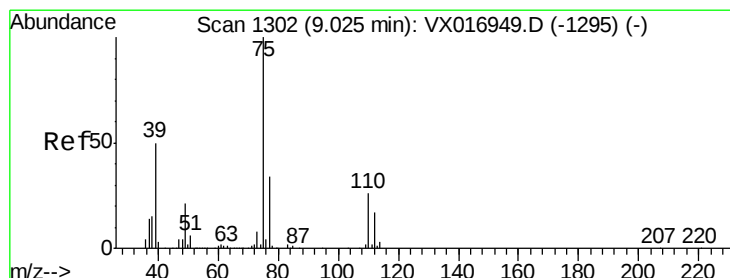
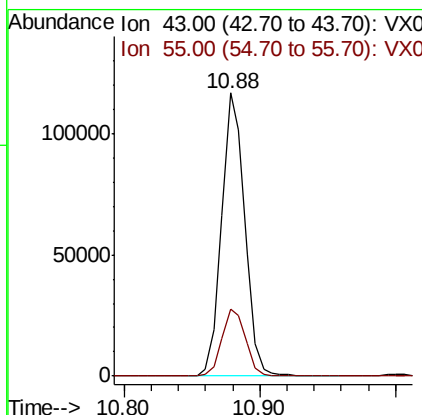
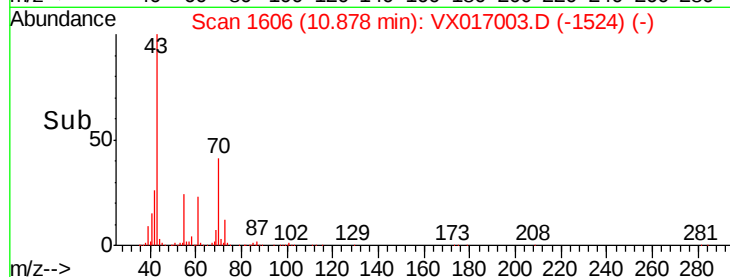
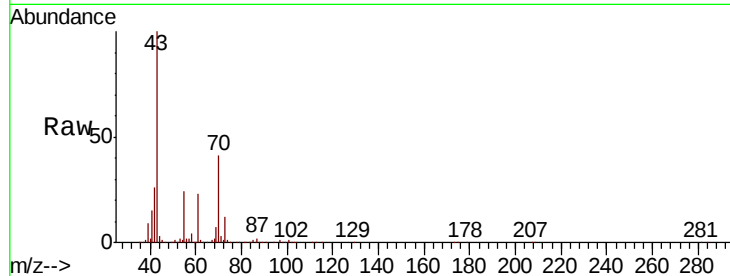
#47
n-amvl Acetate
Concen: 18.061 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 136999
Ion Ratio Lower Upper
43 100
55 24.3 18.6 27.8

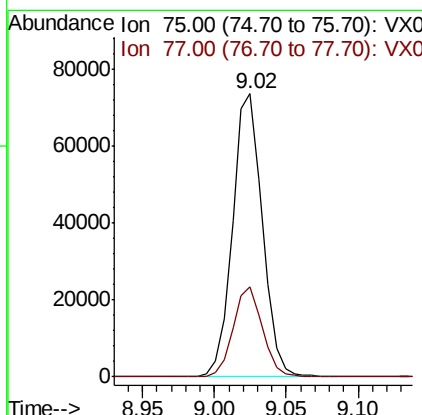
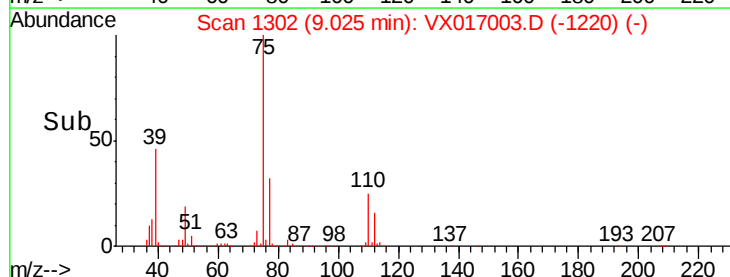
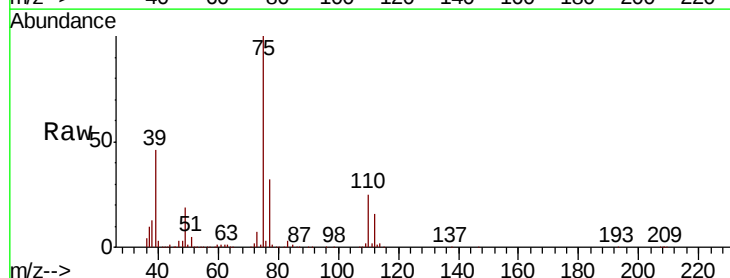
Manual Integrations
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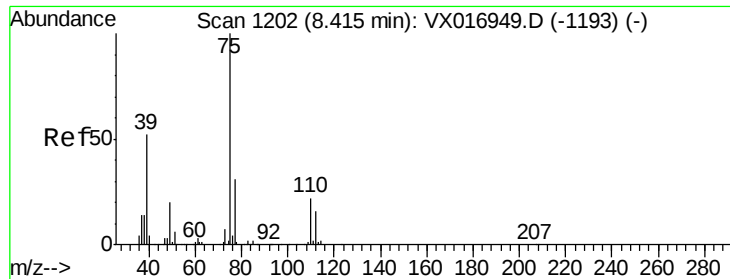
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#48
t-1,3-Dichloropropene
Concen: 18.442 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion: 75 Resp: 106450
Ion Ratio Lower Upper
75 100
77 31.7 27.0 40.4





#49

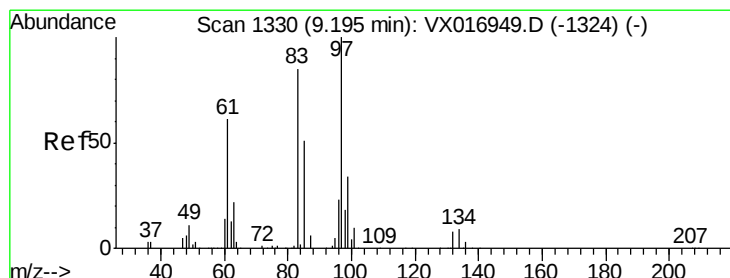
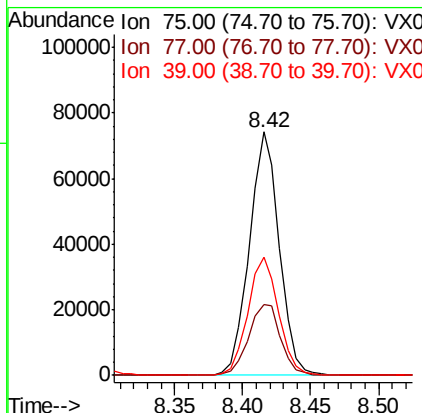
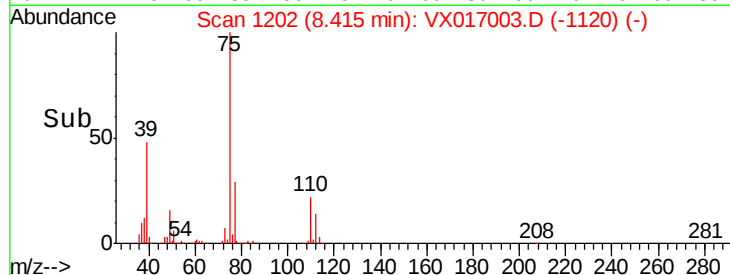
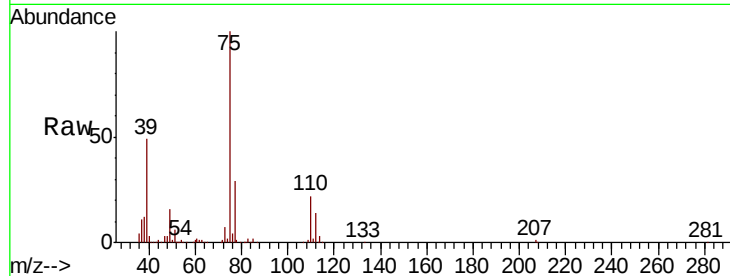
cis-1,3-Dichloropropene
 Concen: 18.849 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.3	24.8	37.2
39	48.5	41.8	62.6

Manual Integrations
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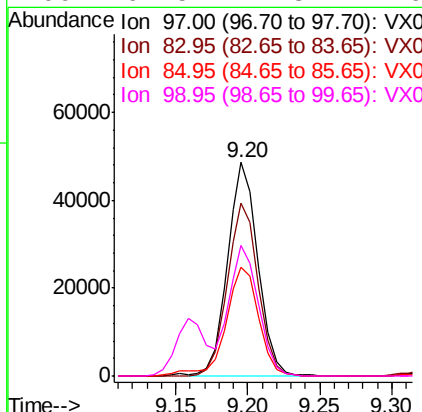
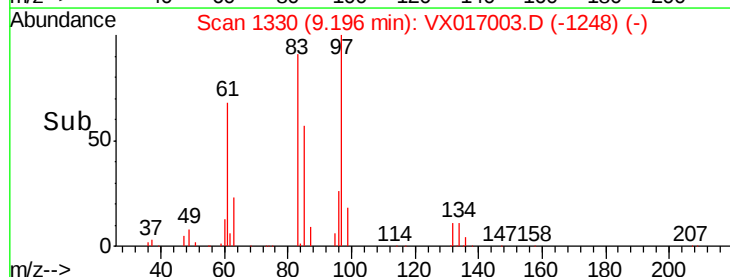
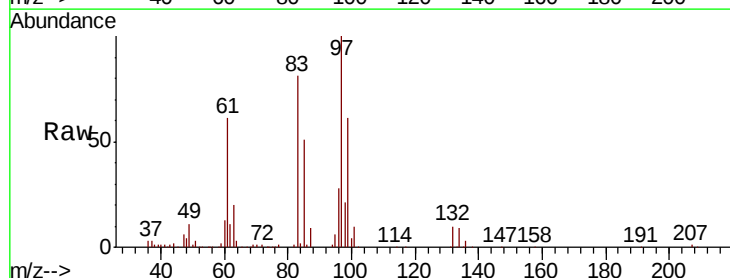
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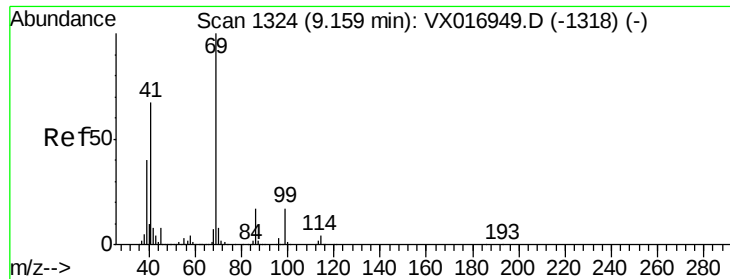


#50

1,1,2-Trichloroethane
 Concen: 20.349 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.0	67.4	101.0
85	50.9	42.9	64.3
99	61.5	47.8	71.6





#51

Ethyl methacrylate

Concen: 18.982 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

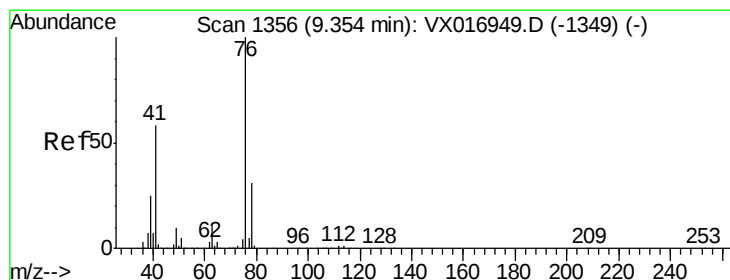
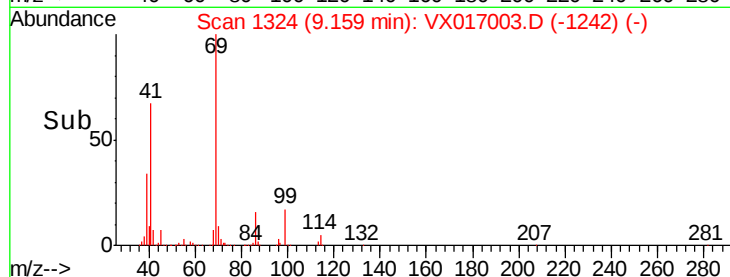
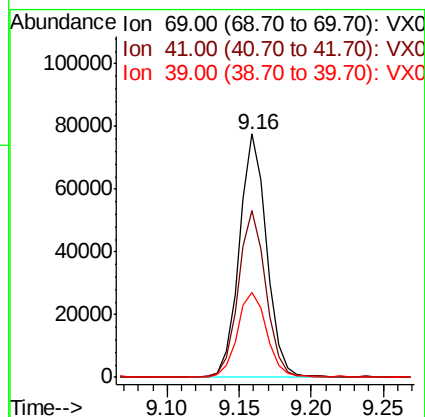
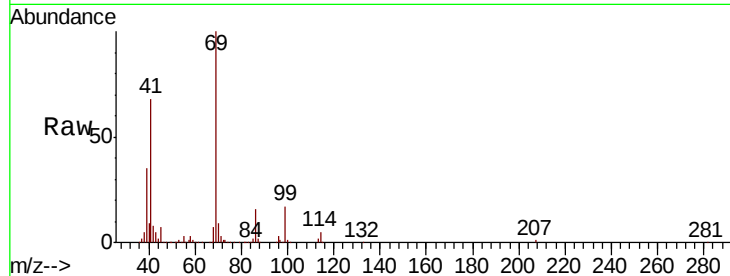
ClientSampleID :

VSTDCCC020EC

Tot Ion:	69	Resp:	102496
Ion Ratio	Lower	Upper	
69	100		
41	68.2	33.7	101.1
39	34.4	19.9	59.7

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.685 ug/l

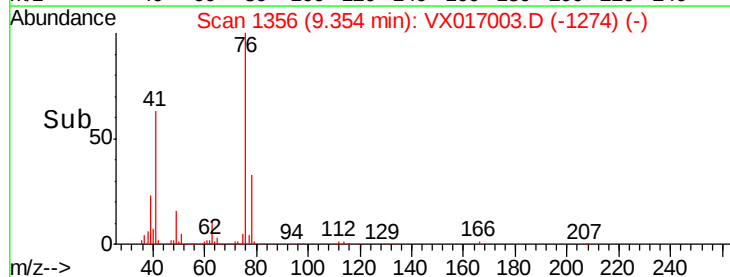
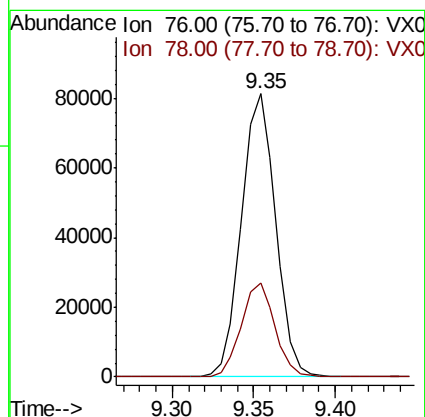
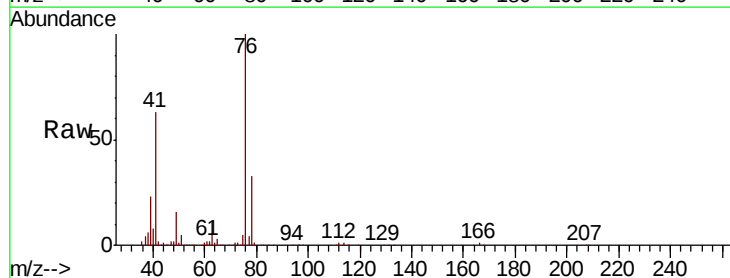
RT: 9.35 min Scan# 1356

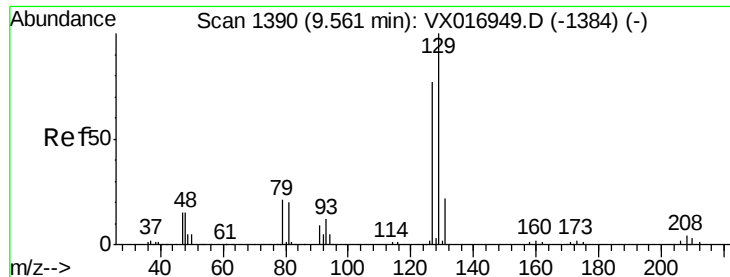
Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Tgt Ion:	76	Resp:	118910
Ion Ratio	Lower	Upper	
76	100		
78	32.8	0.0	62.4





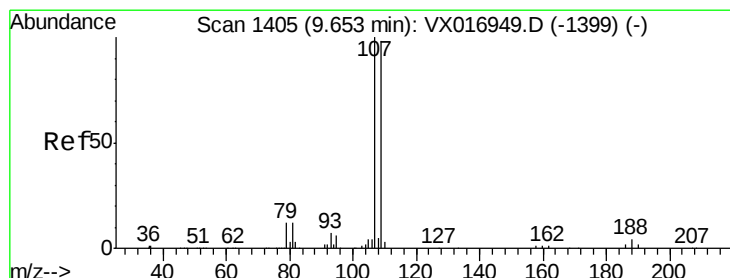
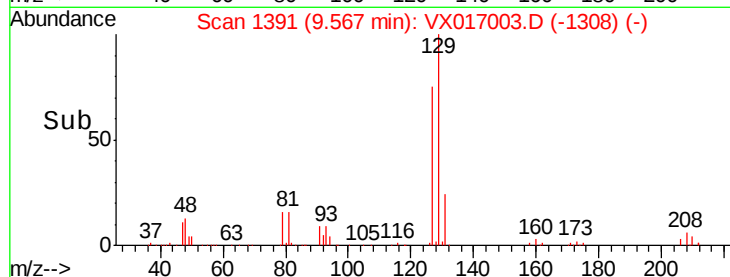
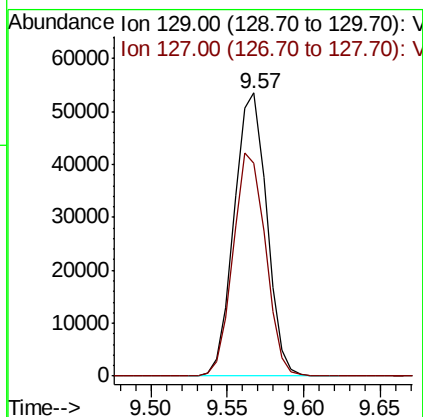
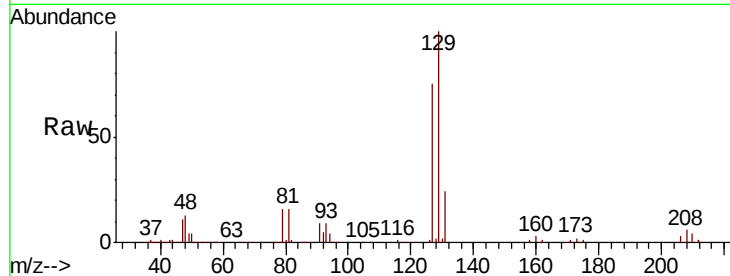
#53
 Dibromochloromethane
 Concen: 19.575 ug/l
 RT: 9.57 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 79162
 Ion Ratio Lower Upper
 129 100
 127 78.4 38.7 116.1

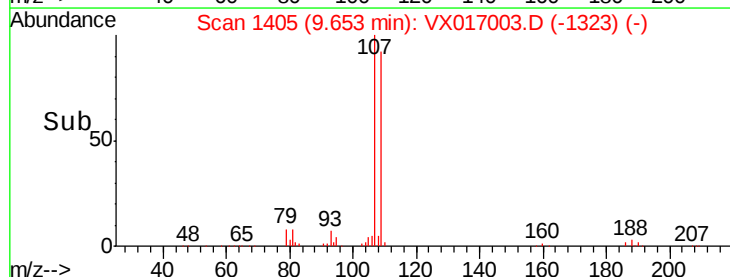
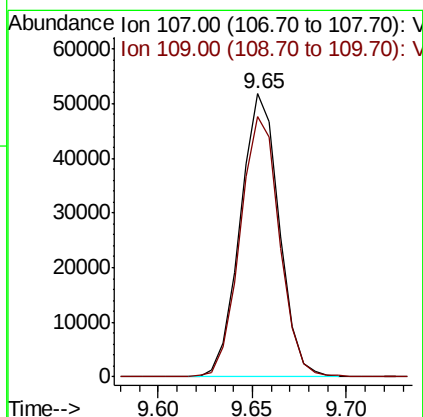
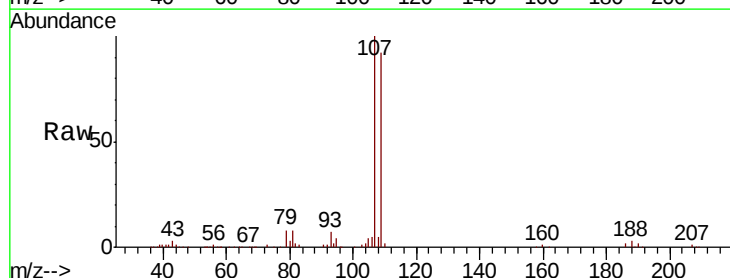
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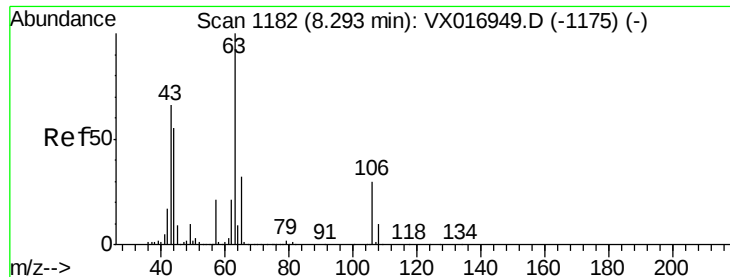
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#54
 1,2-Dibromoethane
 Concen: 19.755 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Tgt Ion:107 Resp: 73756
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.6





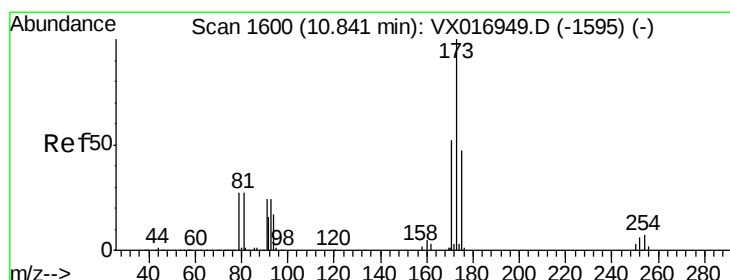
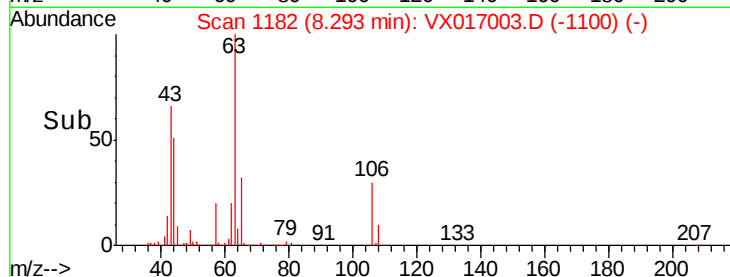
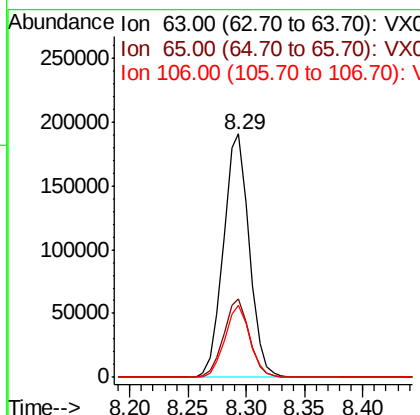
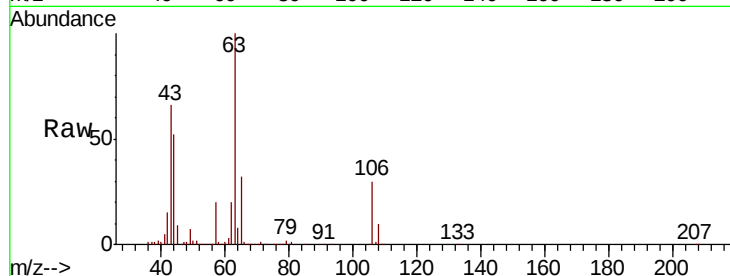
#55
2-Chloroethyl vinyl ether
Concen: 102.724 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.9	38.9
106	29.0	22.6	33.8

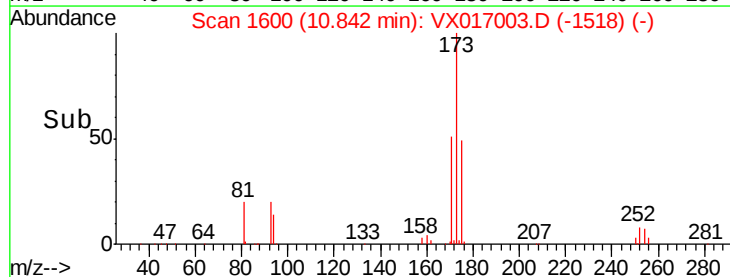
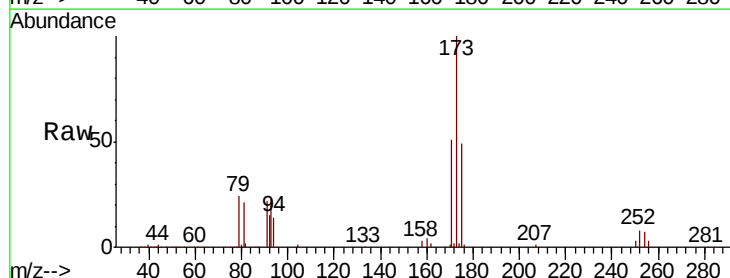
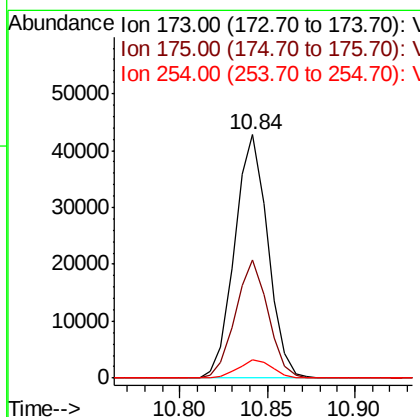
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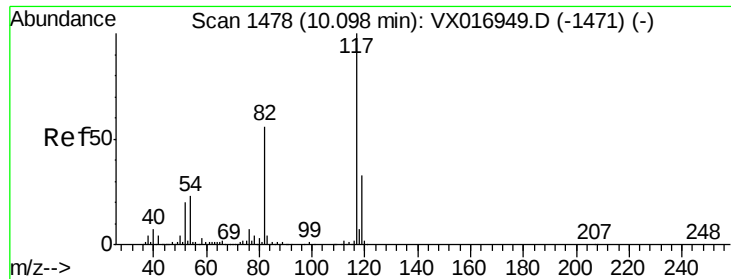
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#56
Bromoform
Concen: 19.643 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.7	58.1
254	7.6	5.8	8.6





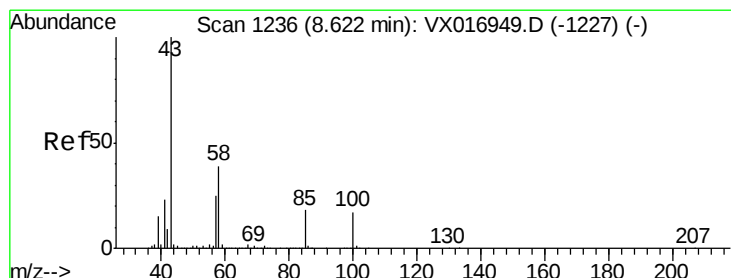
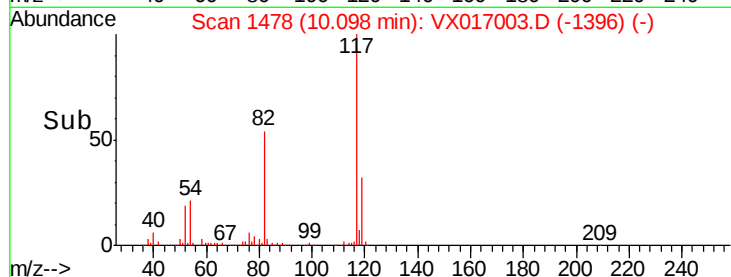
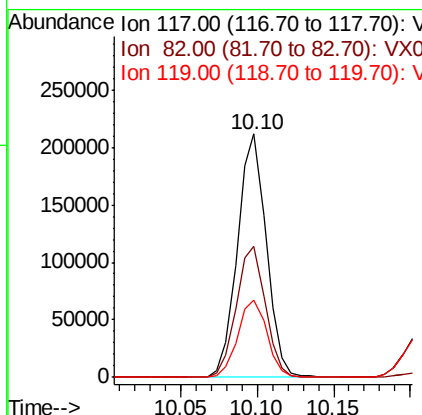
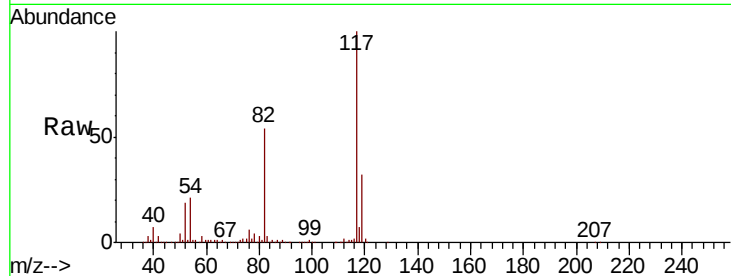
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.9	67.3
119	32.4	25.8	38.8

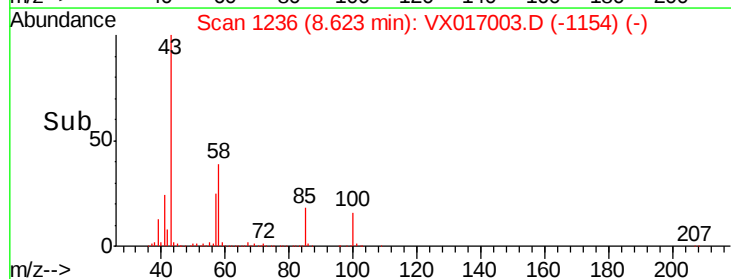
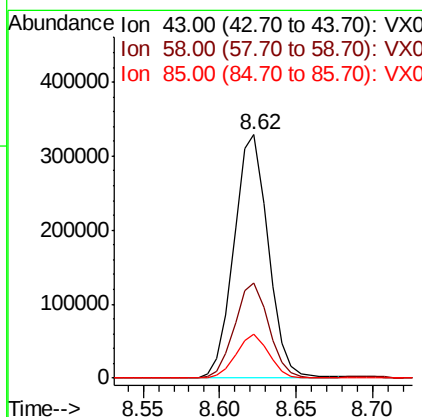
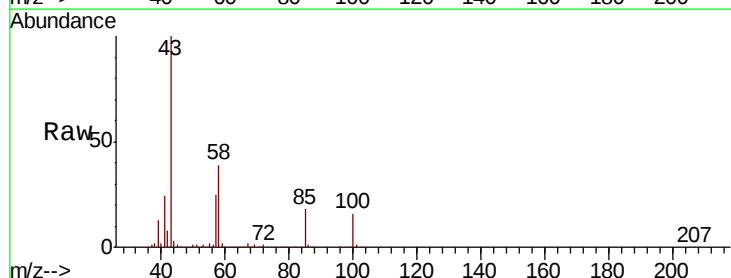
Manual Integrations
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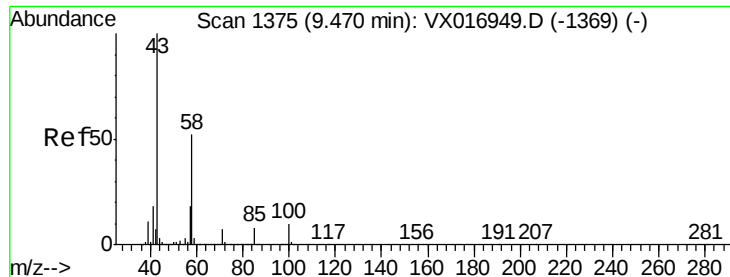
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 100.284 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.4	45.6
85	17.5	13.5	20.3





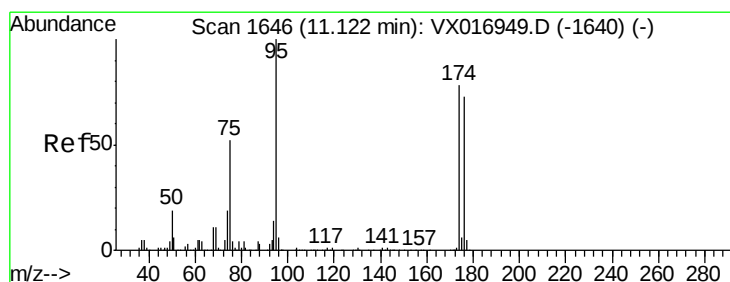
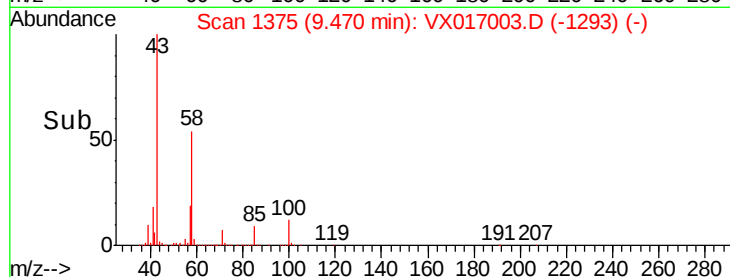
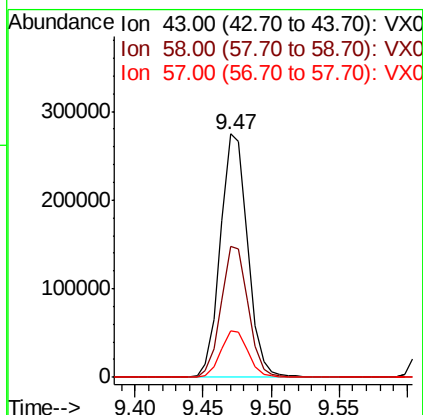
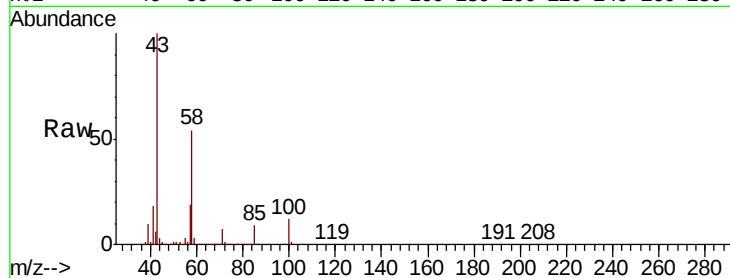
#59
2-Hexanone
Concen: 100.297 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.3	63.5
57	18.6	14.1	21.1

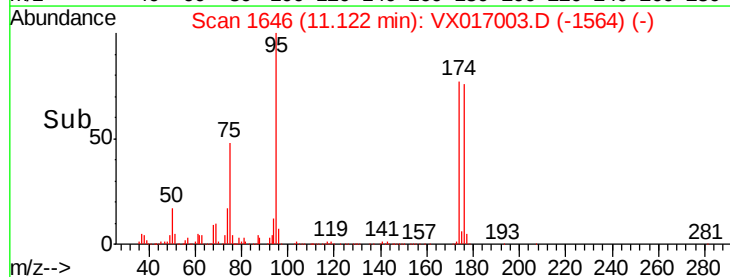
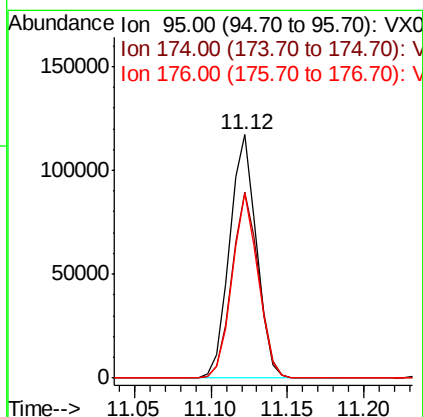
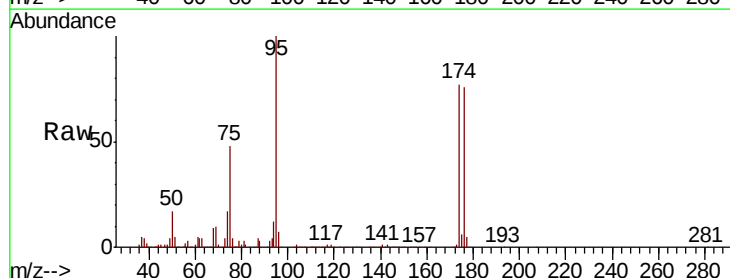
Manual Integrations
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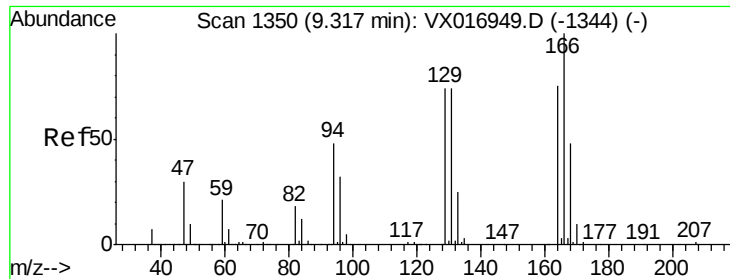
MMDadoda
6/29/2020 12:32:59 PM



#60
4-Bromofluorobenzene
Concen: 30.860 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	62.2	93.4
176	73.7	58.9	88.3





#61

Tetrachloroethene

Concen: 19.540 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 68903

Ion Ratio Lower Upper

164 100

166 131.1 106.3 159.5

129 99.0 78.9 118.3

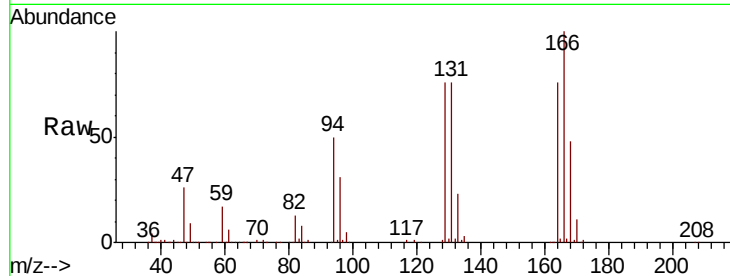
131 99.2 78.2 117.4

Manual Integrations

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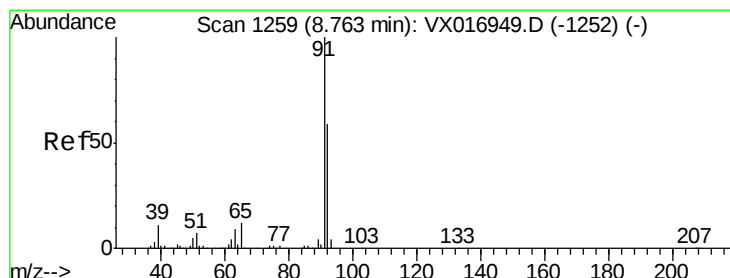
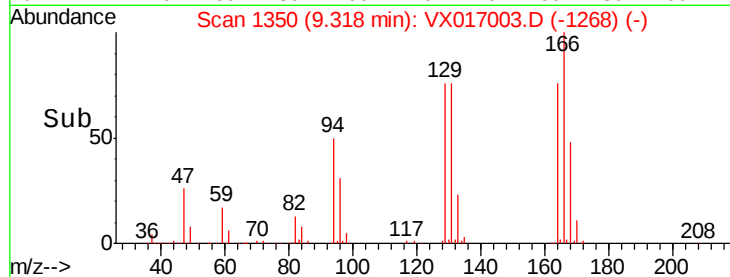
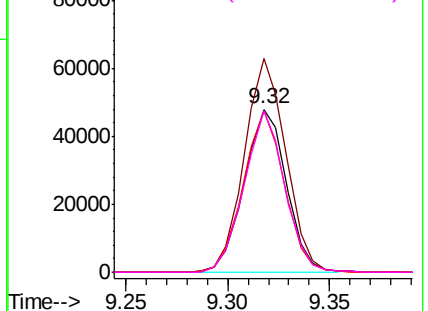
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.136 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017003.D

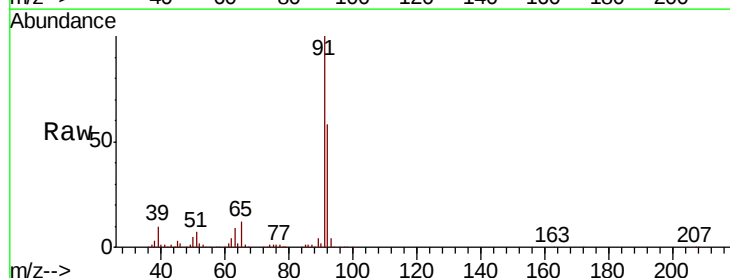
Acq: 27 Jun 2020 00:48

Tgt Ion: 91 Resp: 289407

Ion Ratio Lower Upper

91 100

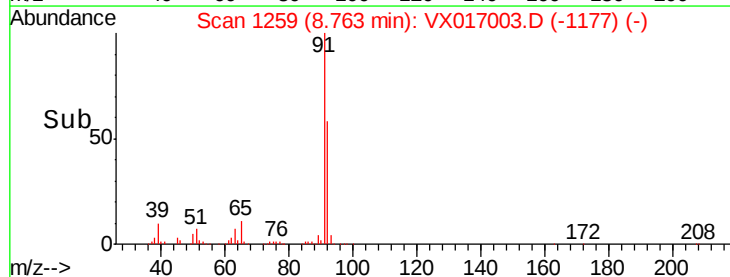
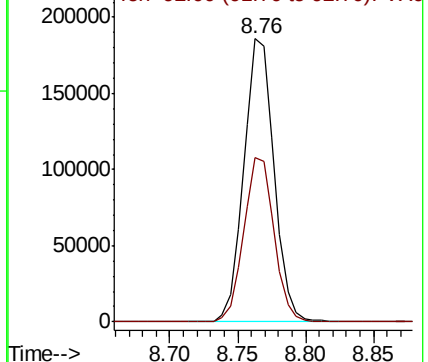
92 58.2 46.8 70.2

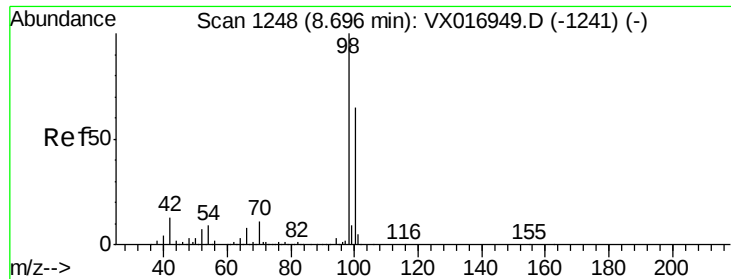


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.532 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 359950

Ion Ratio Lower Upper

98 100

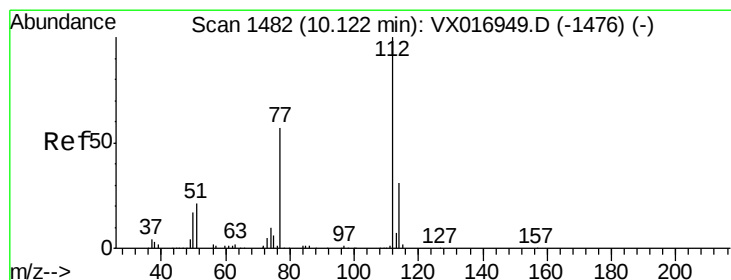
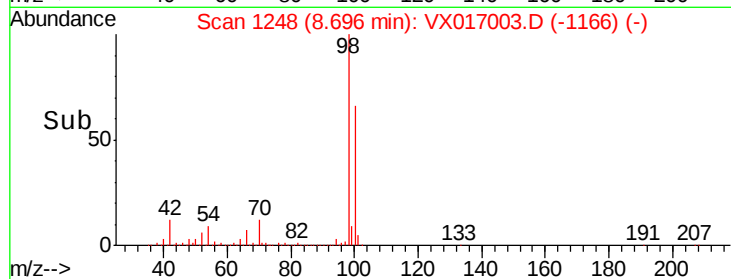
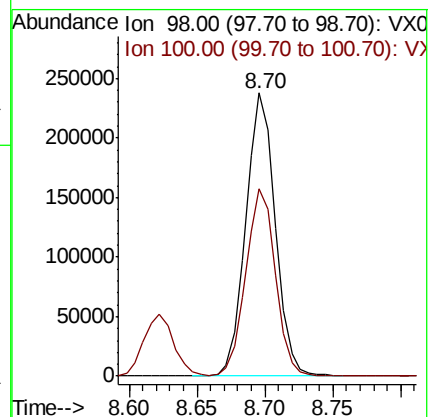
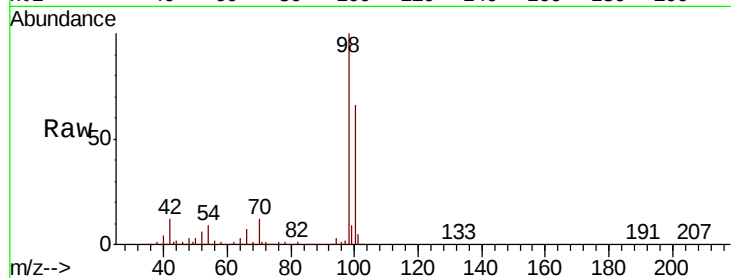
100 66.7 52.3 78.5

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#64

Chlorobenzene

Concen: 19.350 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017003.D

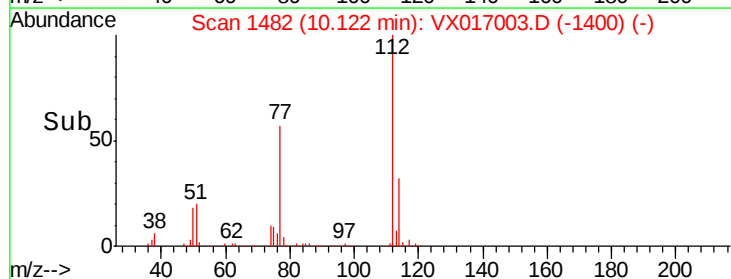
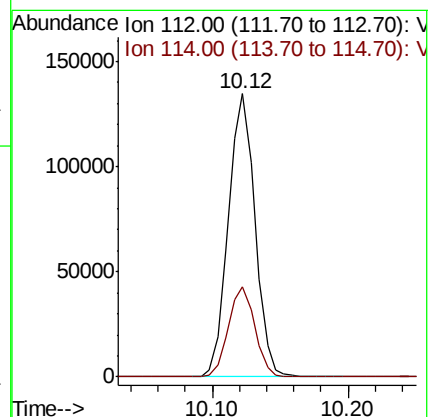
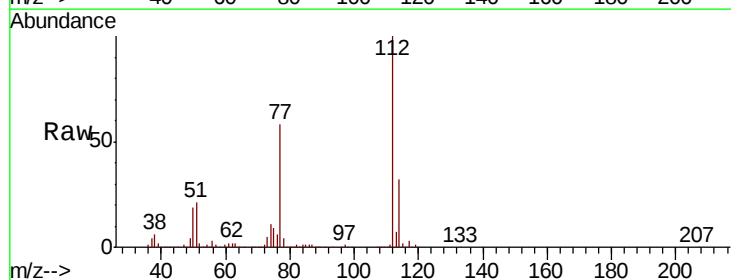
Acq: 27 Jun 2020 00:48

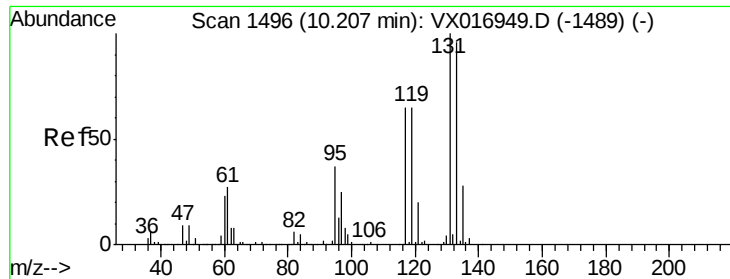
Tgt Ion: 112 Resp: 183335

Ion Ratio Lower Upper

112 100

114 31.7 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.381 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

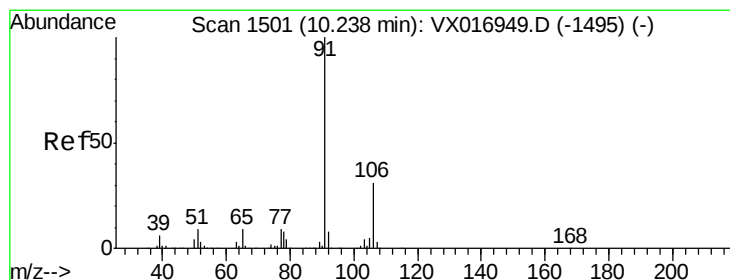
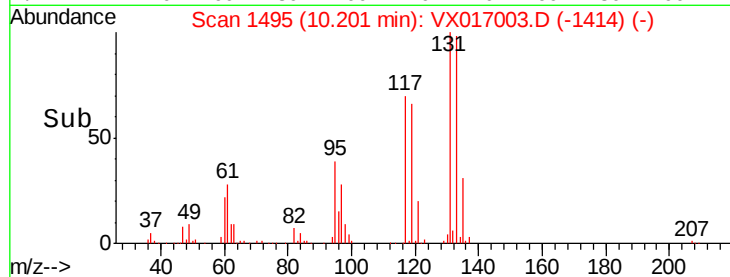
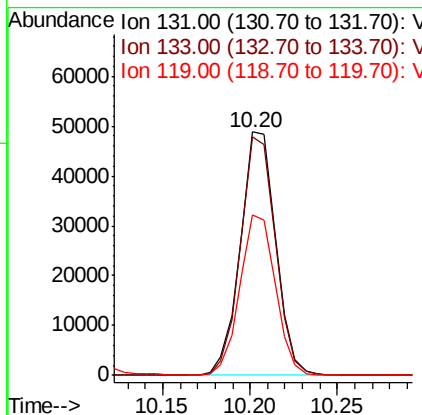
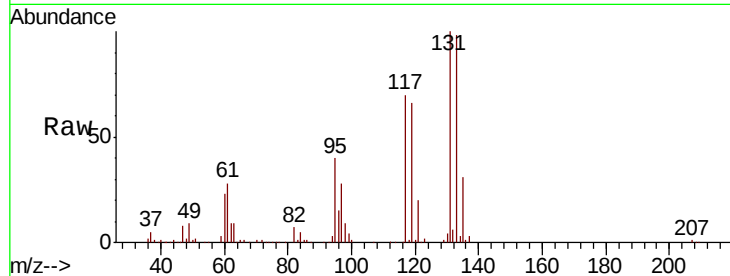
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	69132
Ion Ratio	Lower	Upper	
131	100		
133	97.0	0.0	190.2
119	66.1	0.0	133.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.857 ug/l

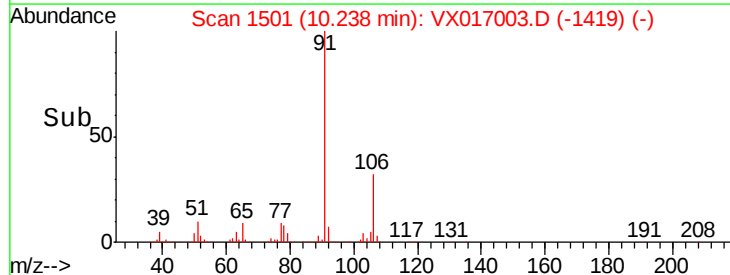
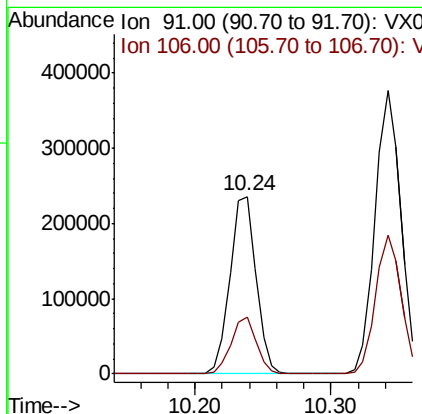
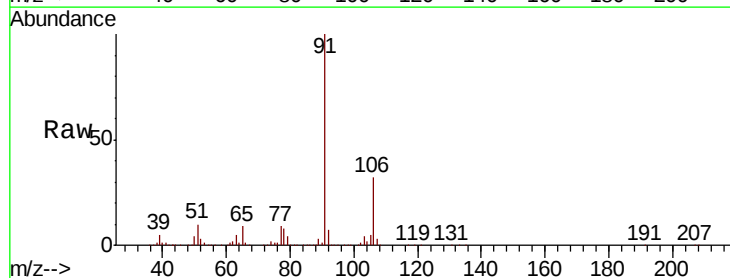
RT: 10.24 min Scan# 1501

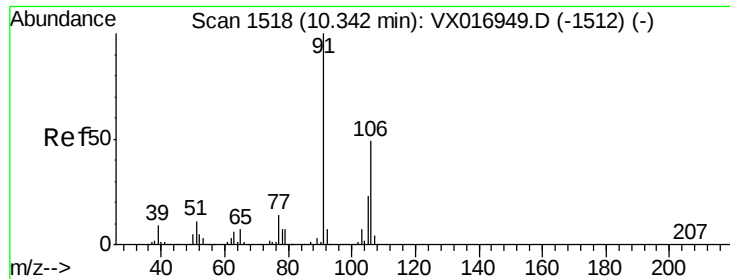
Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Tgt Ion:	91	Resp:	316255
Ion Ratio	Lower	Upper	
91	100		
106	32.1	24.8	37.2





#67

m/p-Xylenes

Concen: 38.368 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 242745

Ion Ratio Lower Upper

106 100

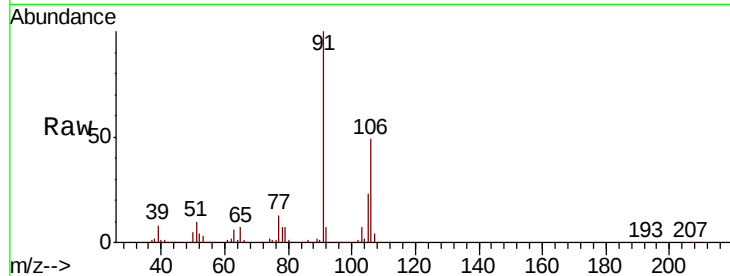
91 205.4 164.5 246.7

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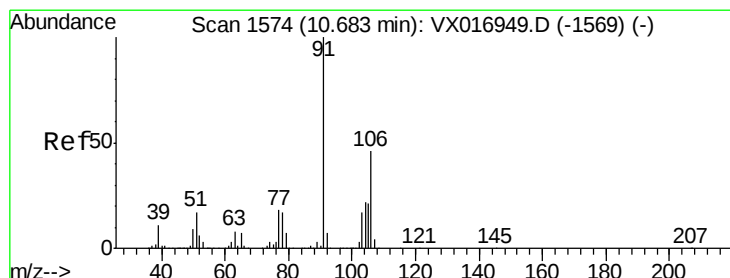
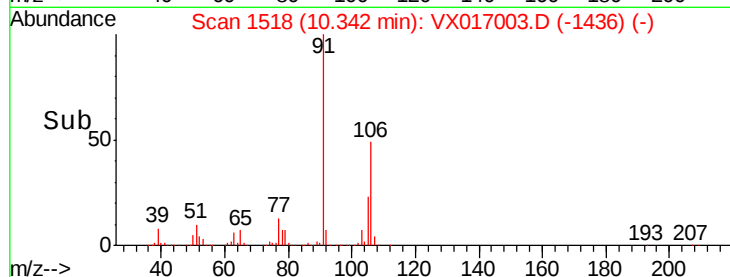
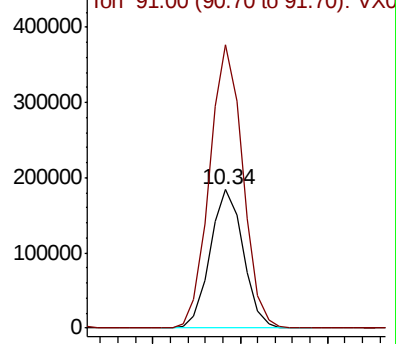
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Abundance Ion 106.00 (105.70 to 106.70): V



#68

o-Xylene

Concen: 18.923 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017003.D

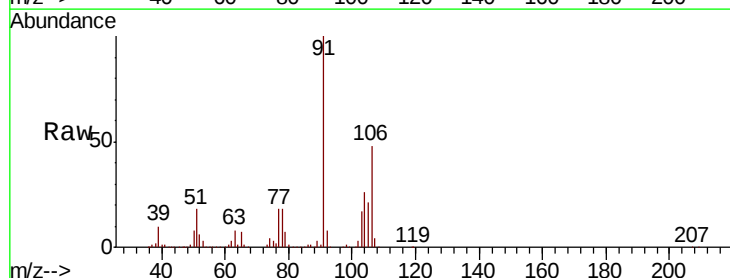
Acq: 27 Jun 2020 00:48

Tgt Ion:106 Resp: 115002

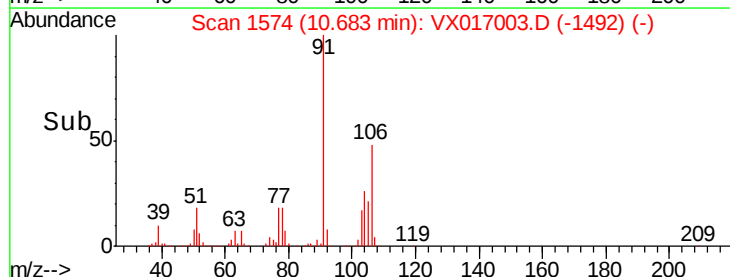
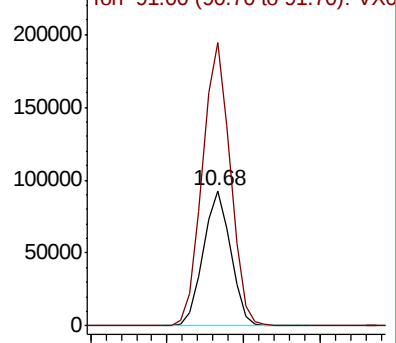
Ion Ratio Lower Upper

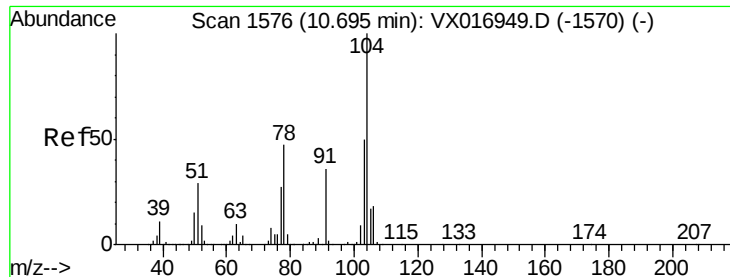
106 100

91 213.3 107.3 321.9



Abundance Ion 106.00 (105.70 to 106.70): V





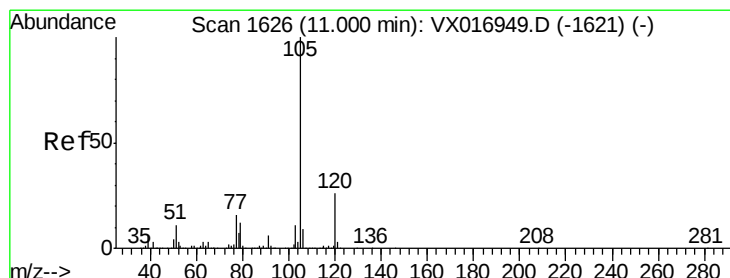
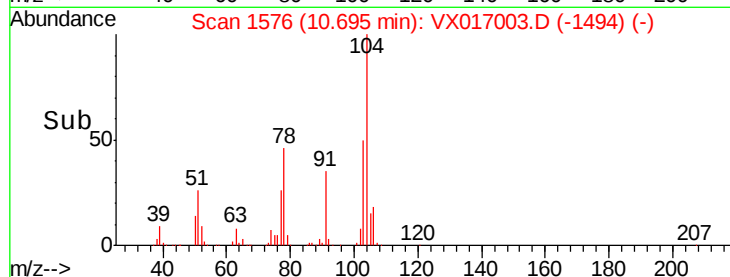
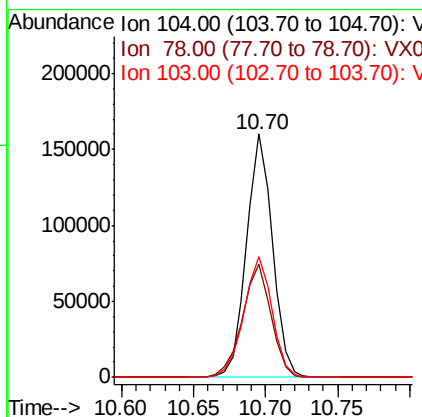
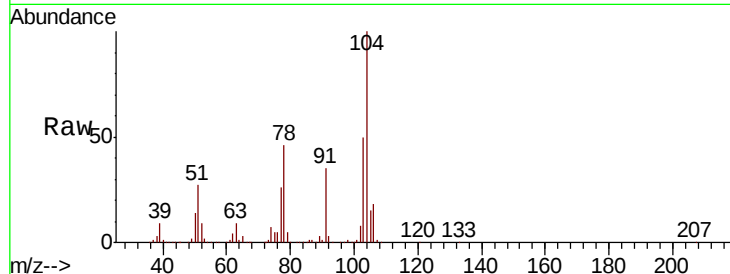
#69
Stvrene
Concen: 19.195 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	199737		
78	51.3		42.6	64.0
103	54.3		44.1	66.1

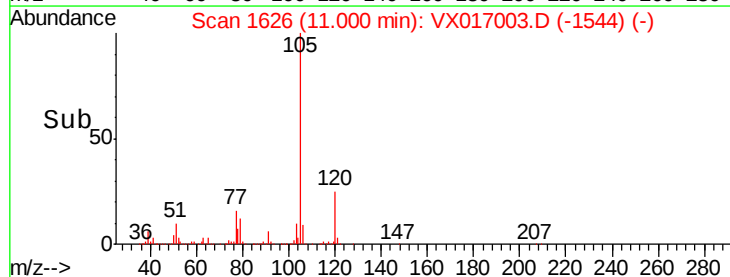
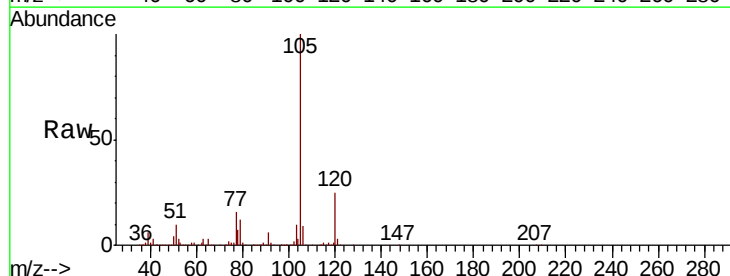
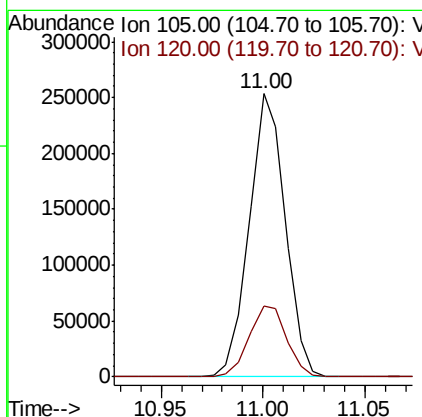
Manual Integrations
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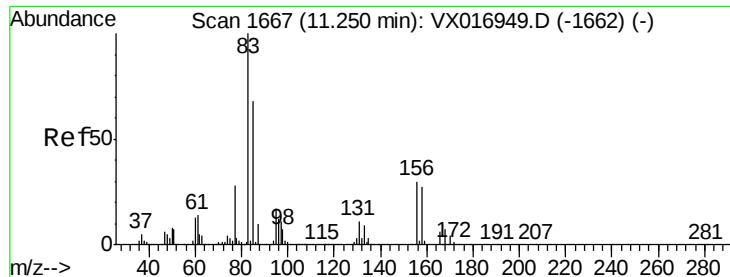
MMDadoda
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#70
Isopropylbenzene
Concen: 18.900 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	311531		
120	26.3		19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 19.358 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 97998

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

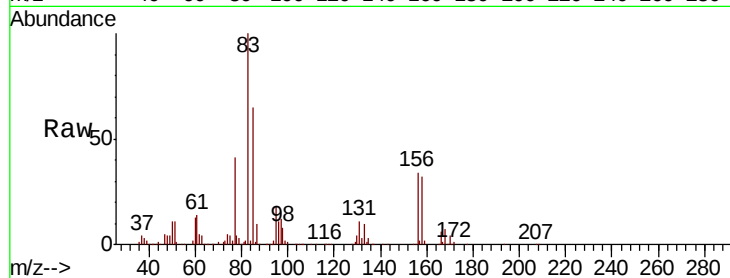
85 65.4 33.1 99.3

Manual Integrations

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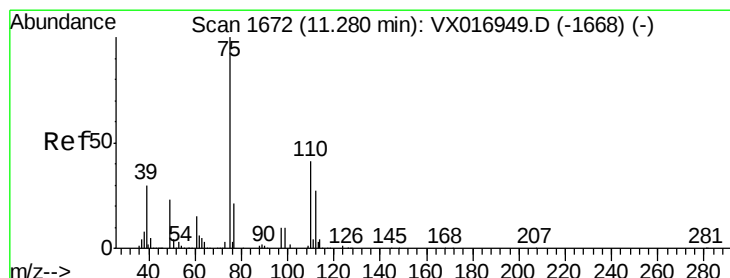
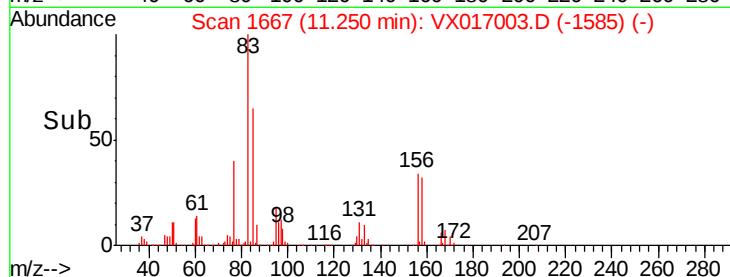
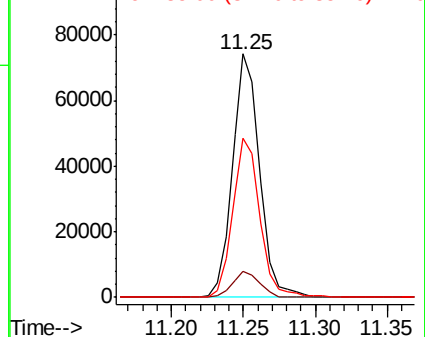
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 20.471 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017003.D

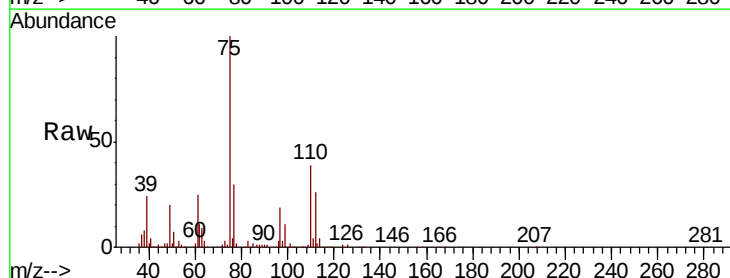
Acq: 27 Jun 2020 00:48

Tgt Ion: 75 Resp: 99521

Ion Ratio Lower Upper

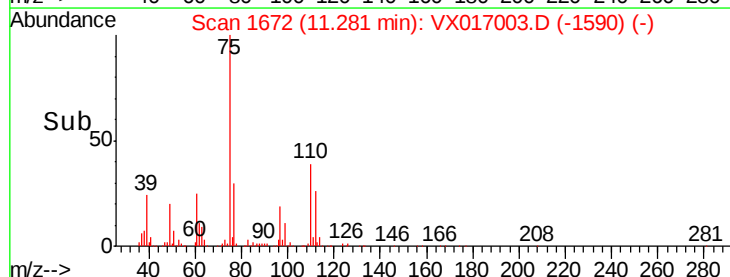
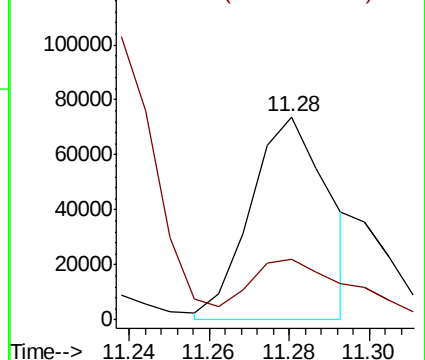
75 100

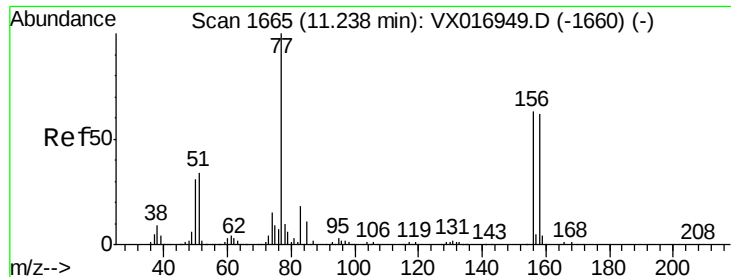
77 39.0 0.0 77.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 19.050 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

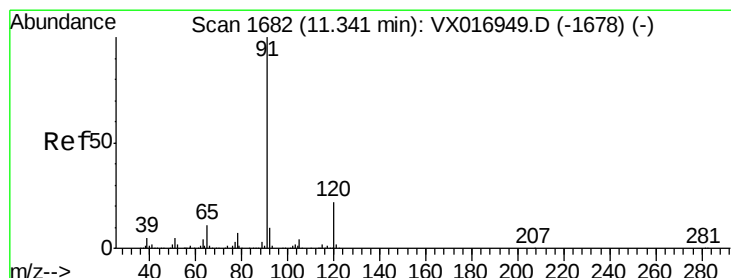
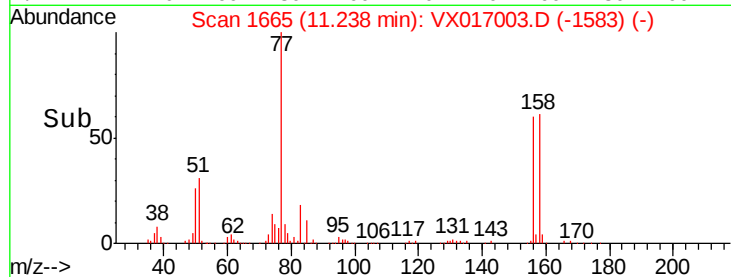
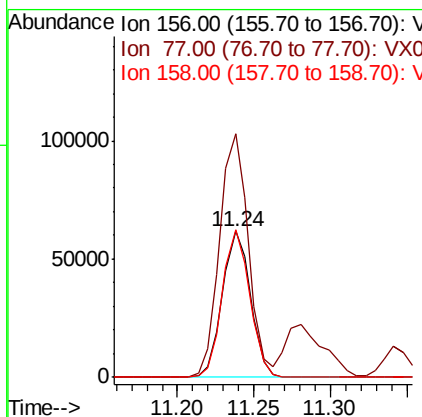
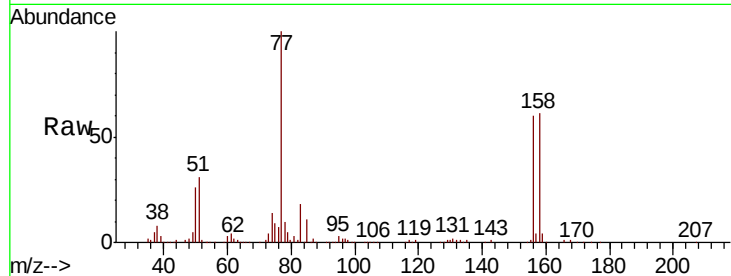
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	79249
Ion Ratio	Lower	Upper	
156	100		
77	169.4	0.0	317.2
158	98.7	0.0	188.4

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#74

n-propylbenzene

Concen: 18.574 ug/l

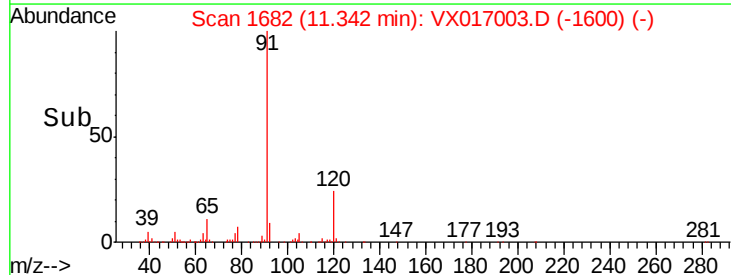
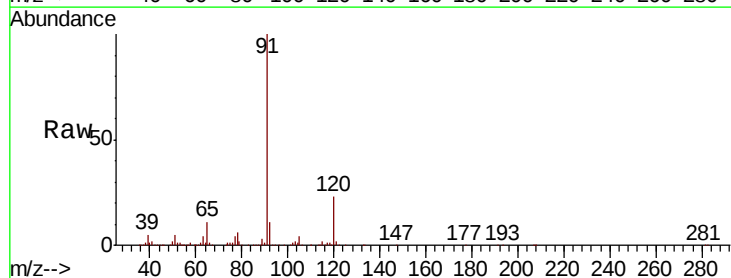
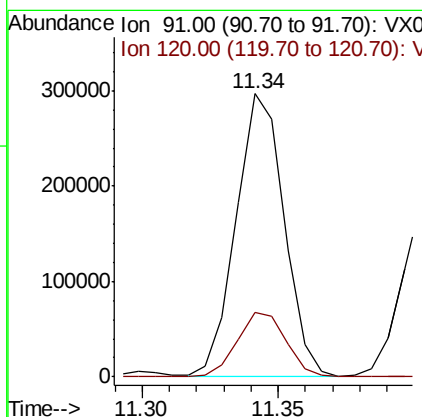
RT: 11.34 min Scan# 1682

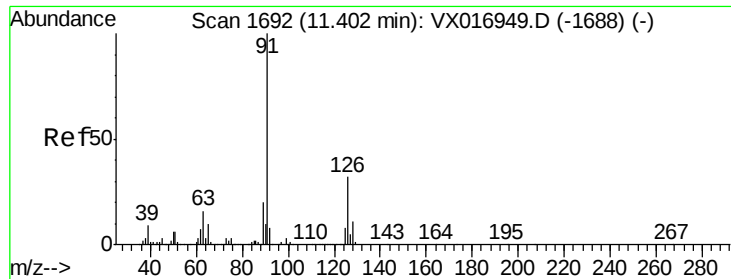
Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Tgt Ion:	91	Resp:	363518
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	45.6





#75

2-Chlorotoluene

Concen: 19.124 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 218264

Ion Ratio Lower Upper

91 100

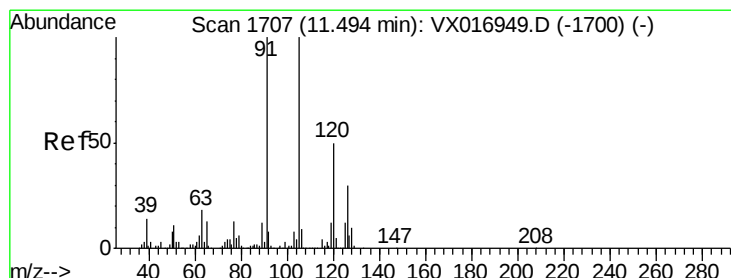
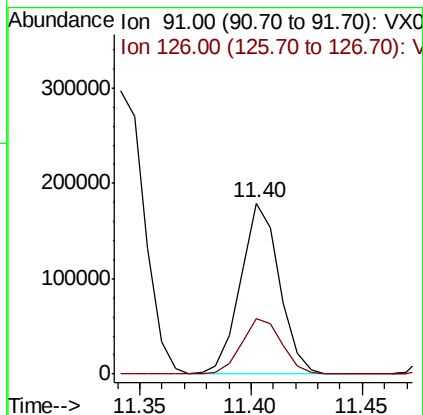
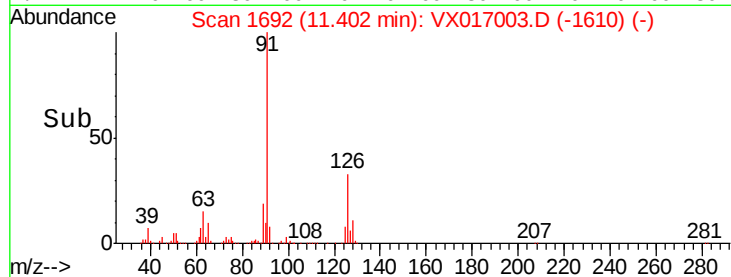
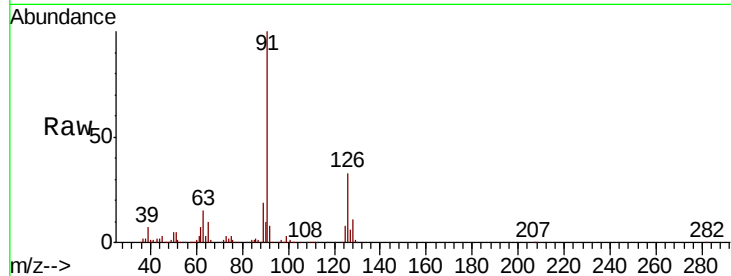
126 33.6 0.0 68.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.112 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017003.D

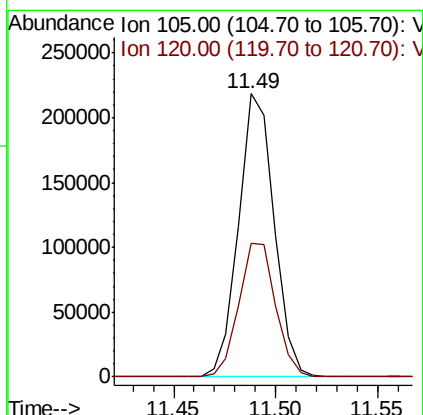
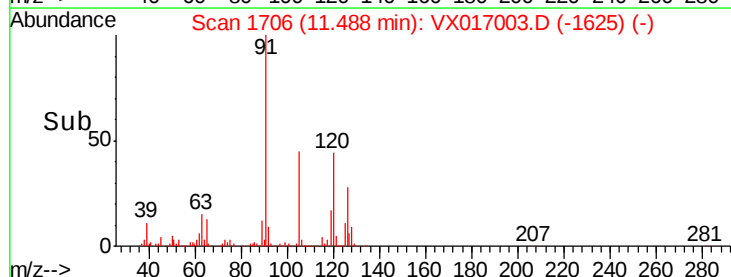
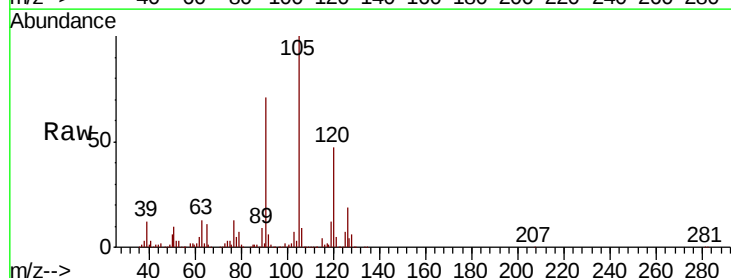
Acq: 27 Jun 2020 00:48

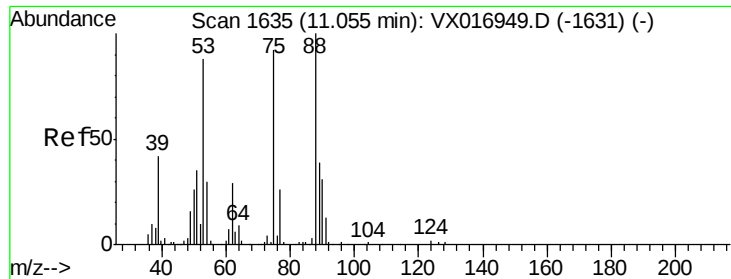
Tgt Ion: 105 Resp: 264437

Ion Ratio Lower Upper

105 100

120 48.8 0.0 99.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.392 ug/l

RT: 11.06 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

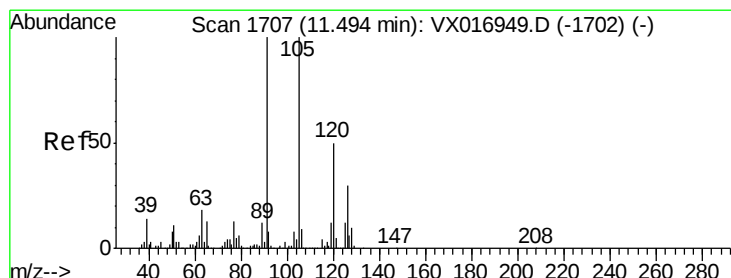
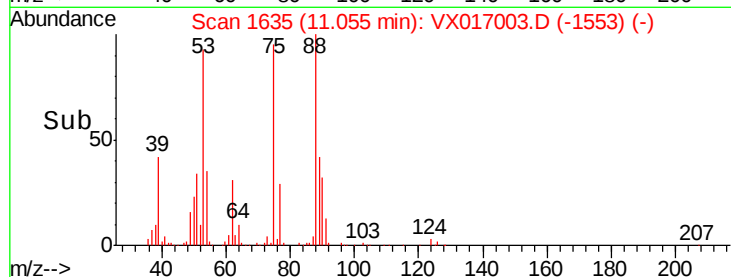
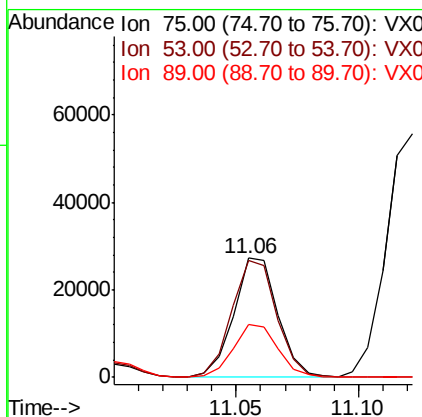
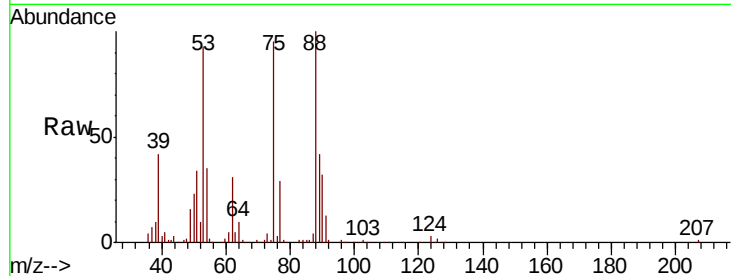
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	34265
Ion Ratio	Lower	Upper	
75	100		
53	97.6	47.6	142.9
89	44.5	21.1	63.4

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#78

4-Chlorotoluene

Concen: 19.060 ug/l

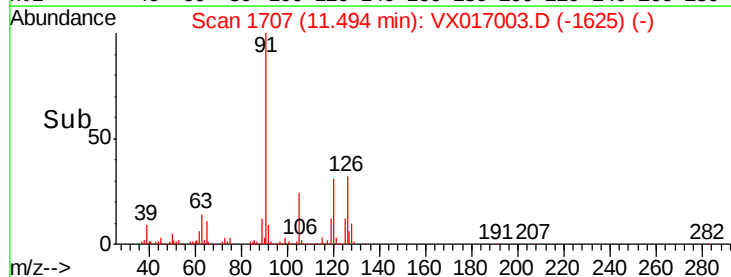
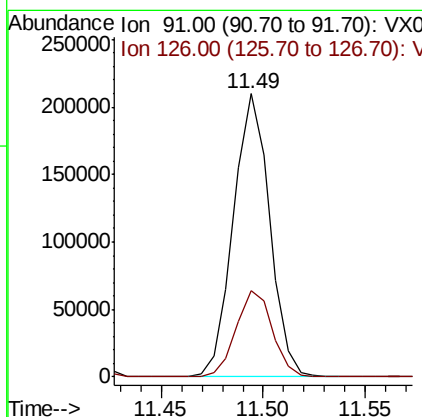
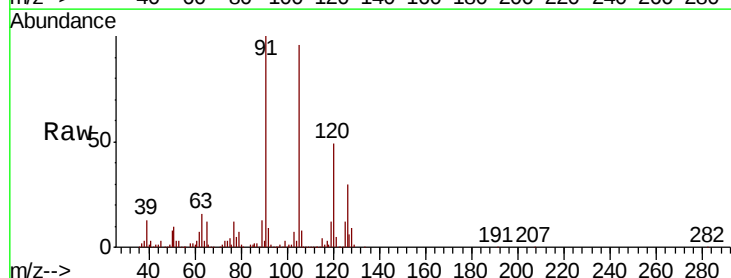
RT: 11.49 min Scan# 1707

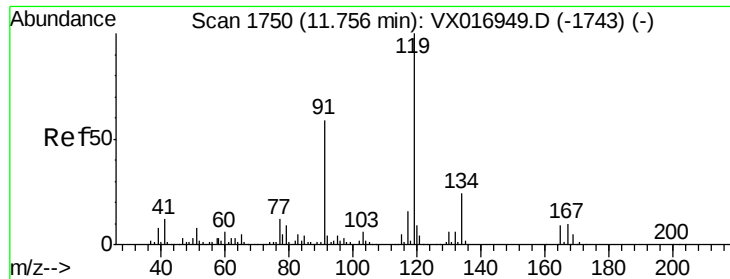
Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Tgt Ion:	91	Resp:	257562
Ion Ratio	Lower	Upper	
91	100		
126	30.4	0.0	60.6





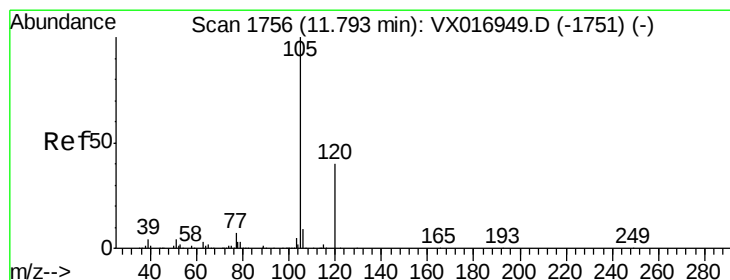
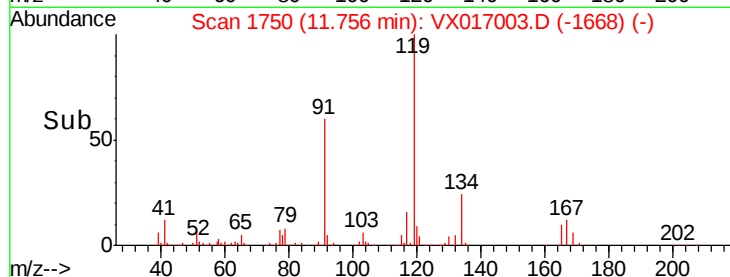
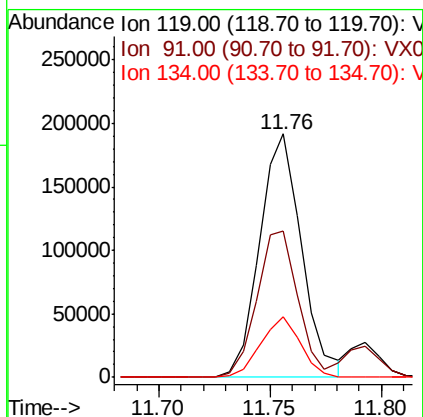
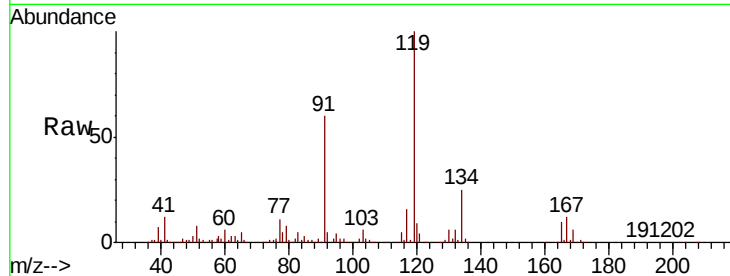
#79
tert-butylbenzene
Concen: 18.962 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	251330		
91	58.7		0.0	115.2
134	23.3		0.0	45.8

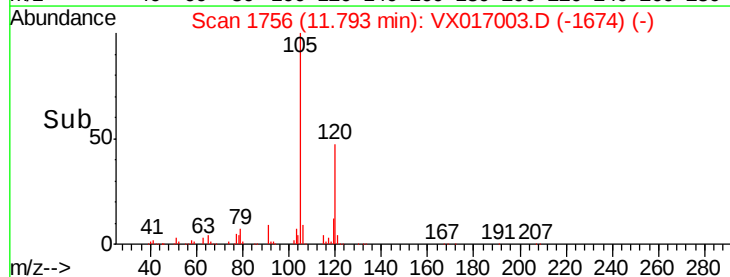
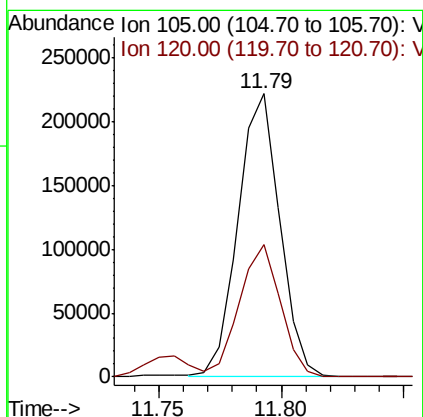
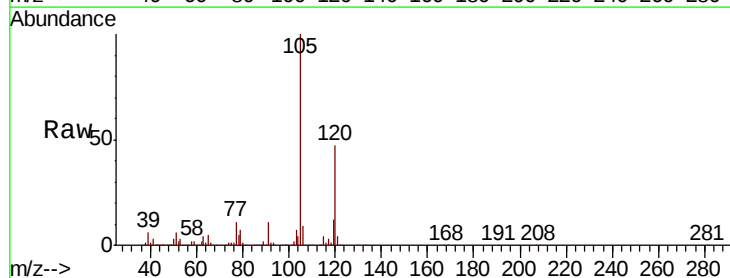
Manual Integrations
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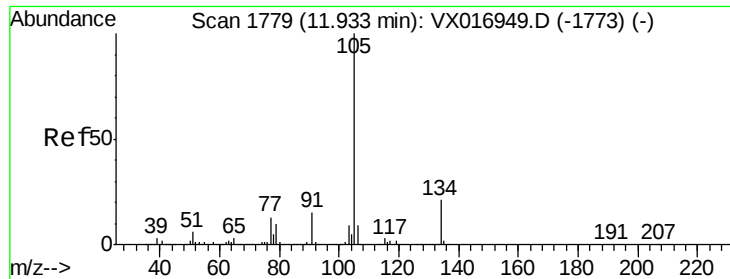
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#80
1,2,4-Trimethylbenzene
Concen: 18.992 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	263809		
120	46.1		0.0	89.8





#81

sec-Butylbenzene

Concen: 18.714 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 300314

Ion Ratio Lower Upper

105 100

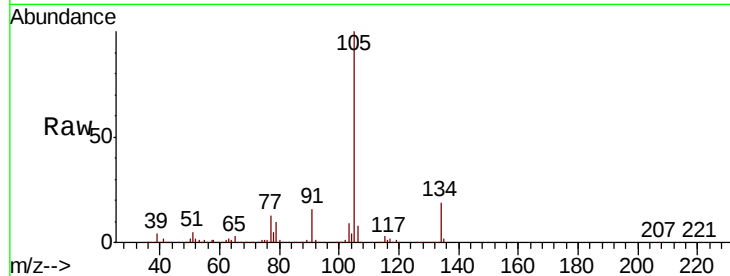
134 20.4 0.0 41.2

Manual Integrations

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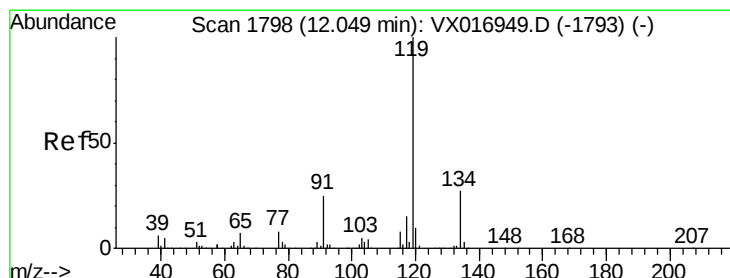
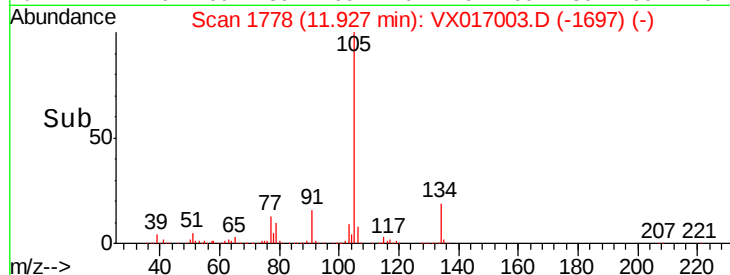
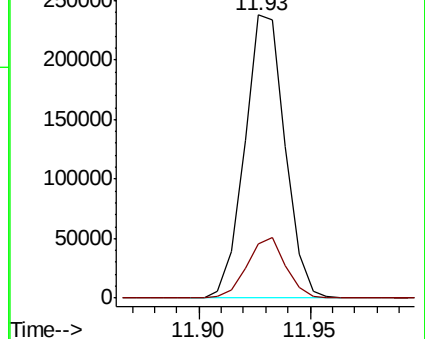
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.929 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

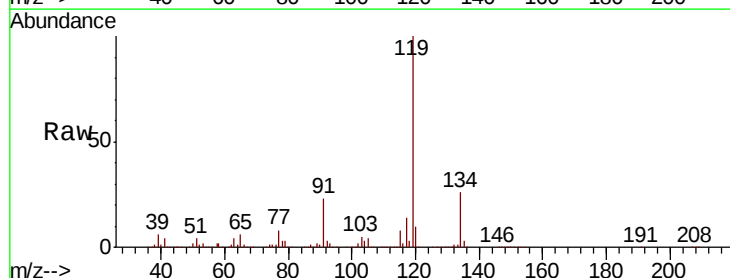
Tgt Ion:119 Resp: 274269

Ion Ratio Lower Upper

119 100

134 26.1 0.0 53.0

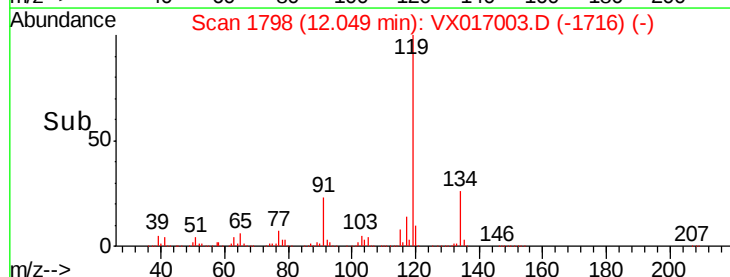
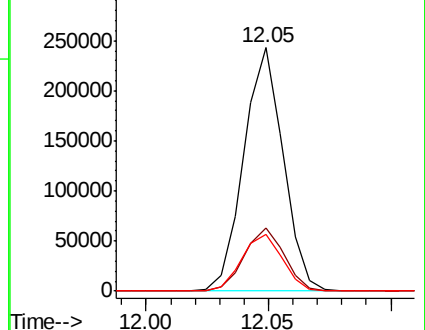
91 23.9 0.0 49.0

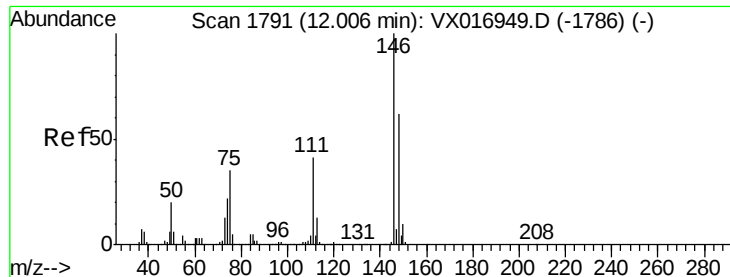


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





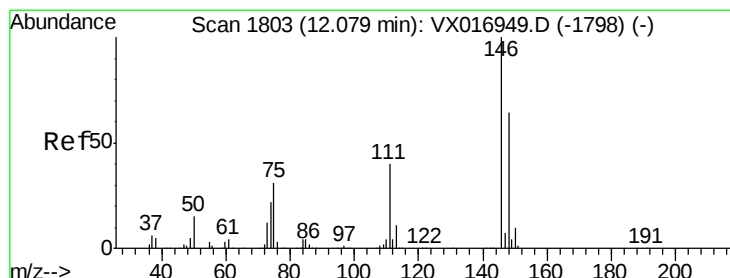
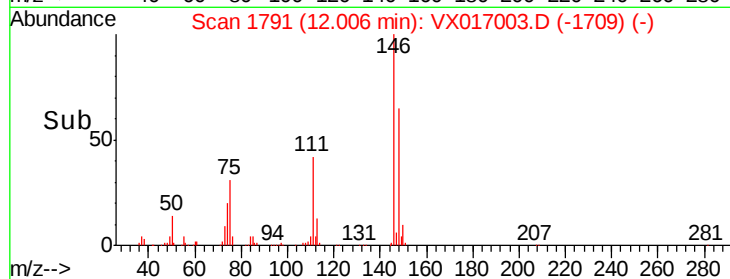
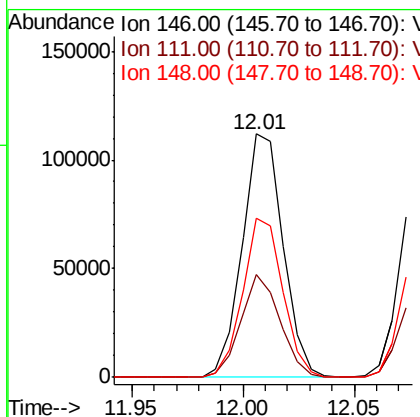
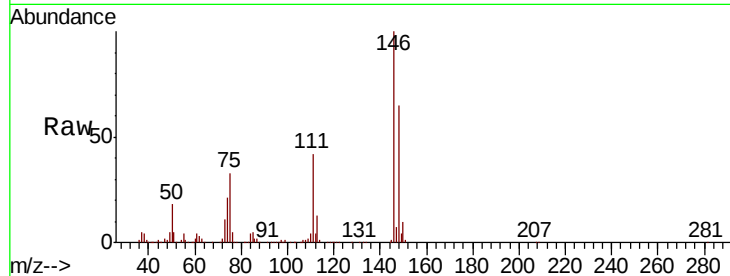
#83
 1,3-Dichlorobenzene
 Concen: 19.330 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.5	58.5
148	64.0	31.8	95.4

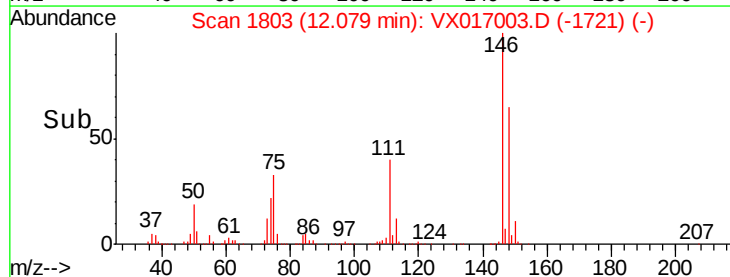
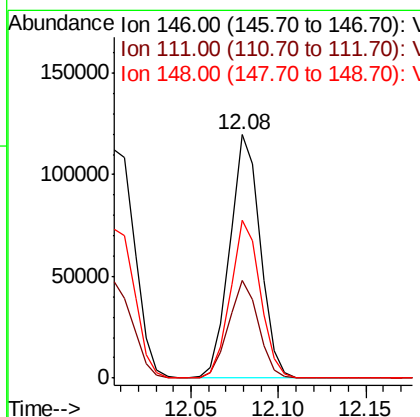
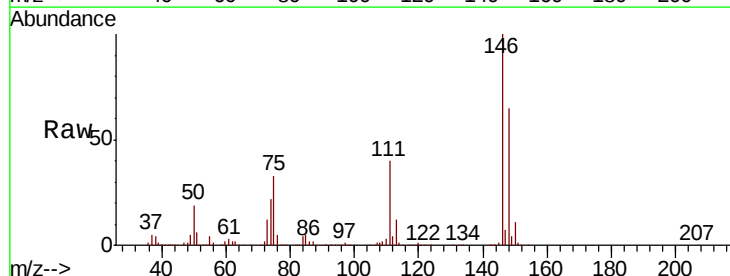
Manual Integrations
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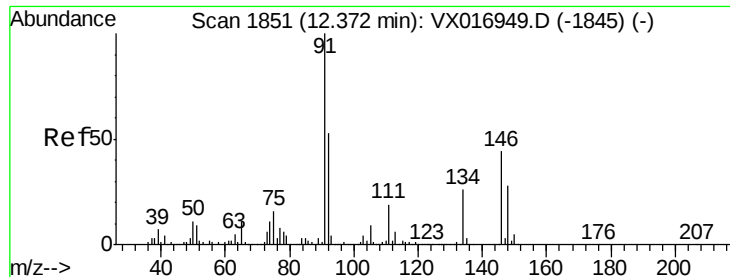
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#84
 1,4-Dichlorobenzene
 Concen: 19.363 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	63.4	32.1	96.3





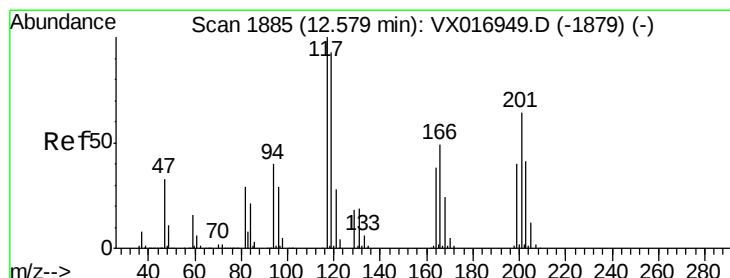
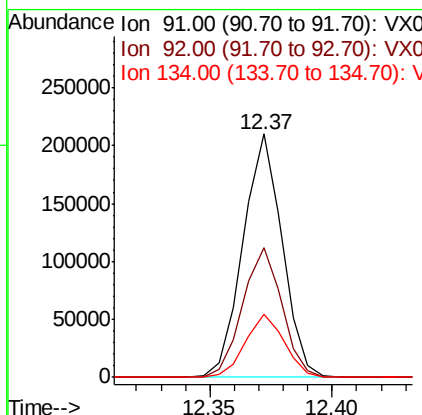
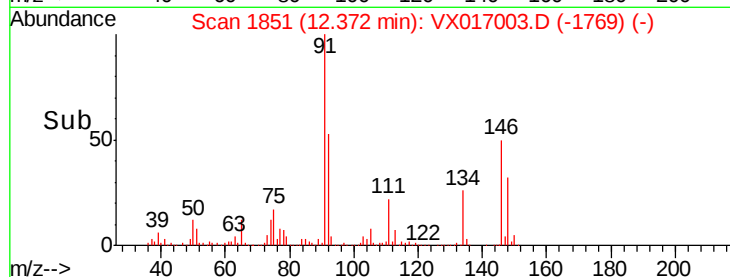
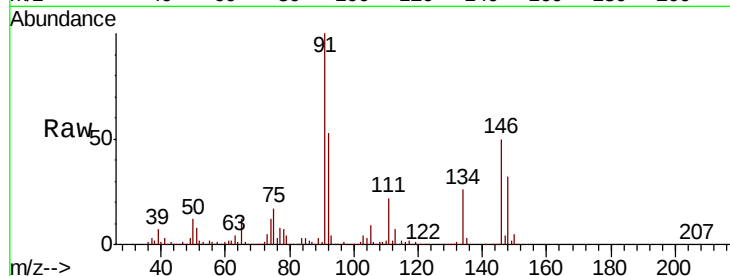
#85
n-Butylbenzene
Concen: 17.466 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	0.0	105.8
134	25.6	0.0	52.2

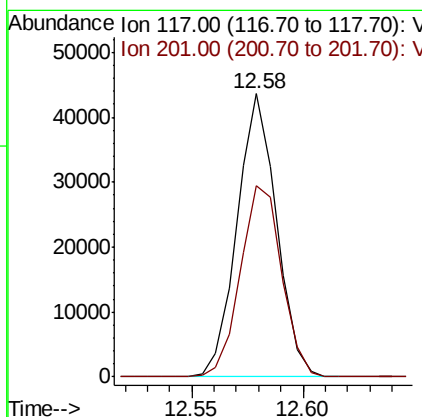
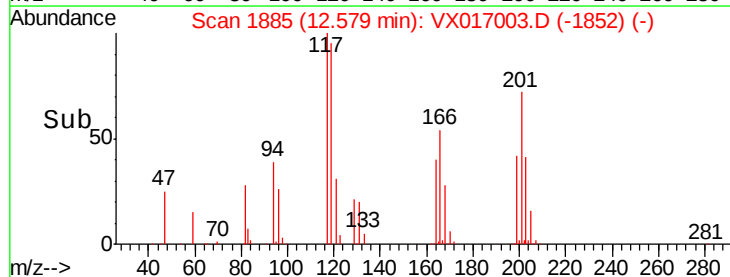
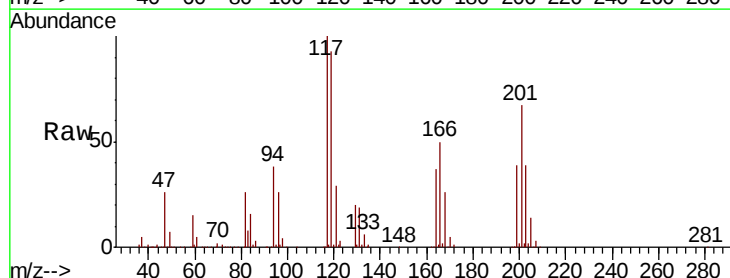
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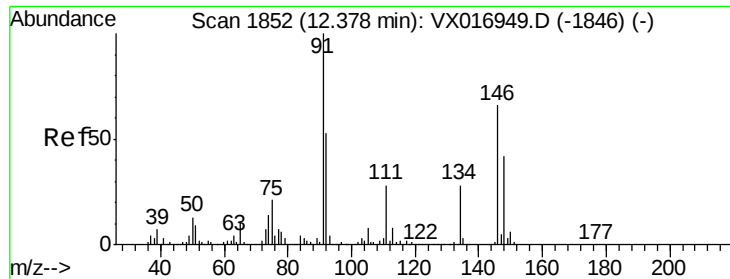
MMDadoda
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#86
Hexachloroethane
Concen: 18.977 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017003.D
Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	34.6	103.9





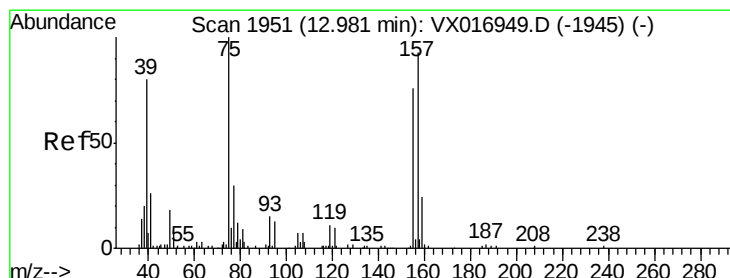
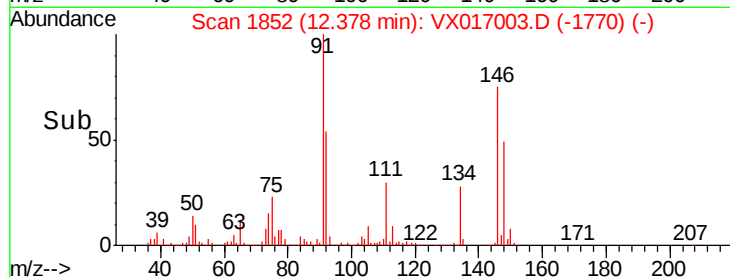
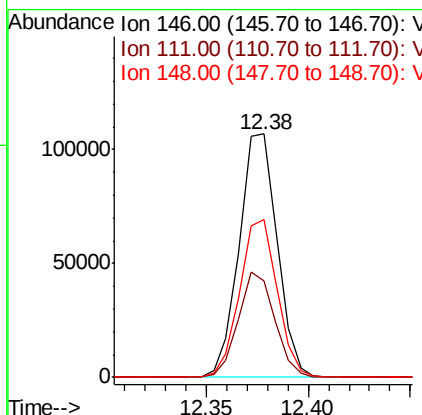
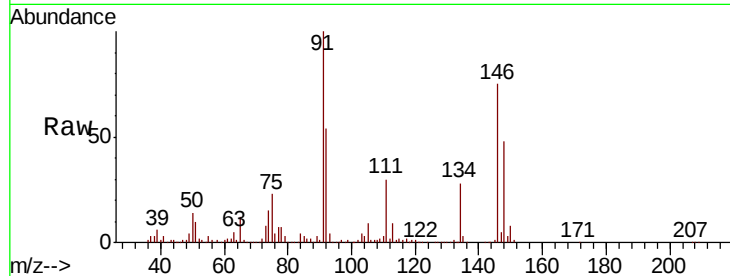
#87
 1,2-Dichlorobenzene
 Concen: 19.903 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	64.1	32.1	96.3

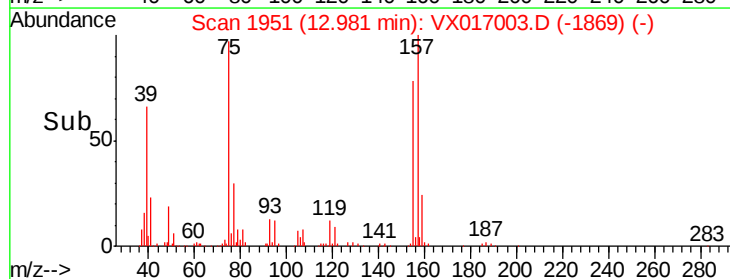
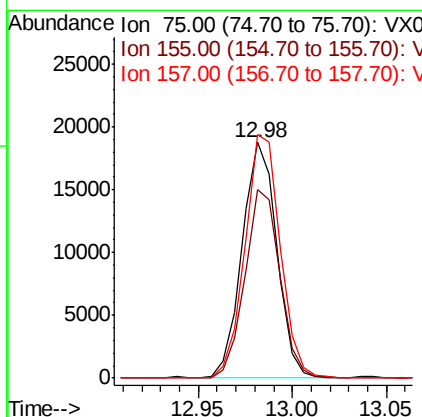
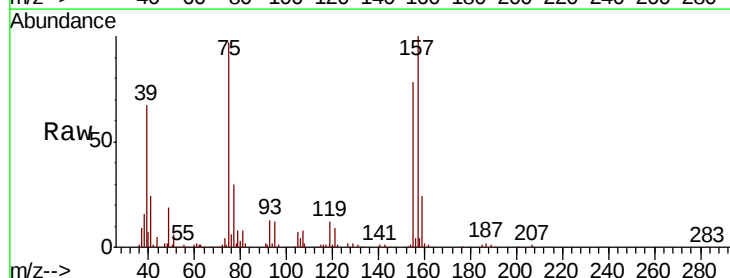
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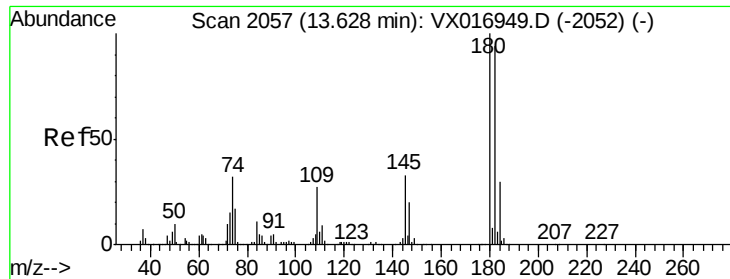
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.877 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017003.D
 Acq: 27 Jun 2020 00:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	65.0	97.6
157	104.9	83.0	124.4





#89

1,2,4-Trichlorobenzene

Concen: 18.321 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

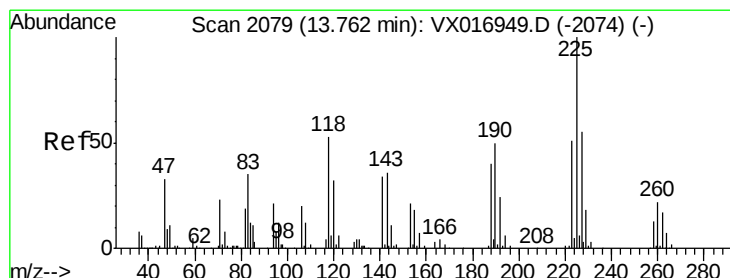
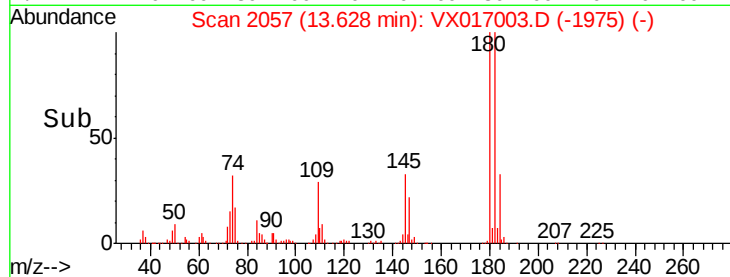
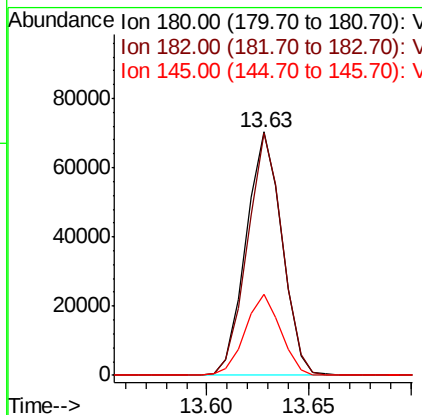
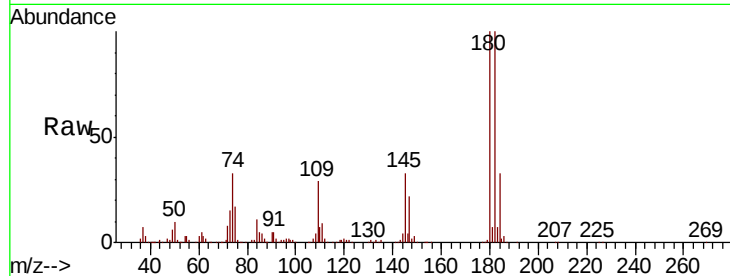
ClientSampleId :

VSTDCCC020EC

Tot Ion:	180	Resp:	86248
Ion Ratio	Lower	Upper	
180	100		
182	96.1	77.7	116.5
145	32.8	26.2	39.2

Manual Integrations
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#90

Hexachlorobutadiene

Concen: 18.618 ug/l

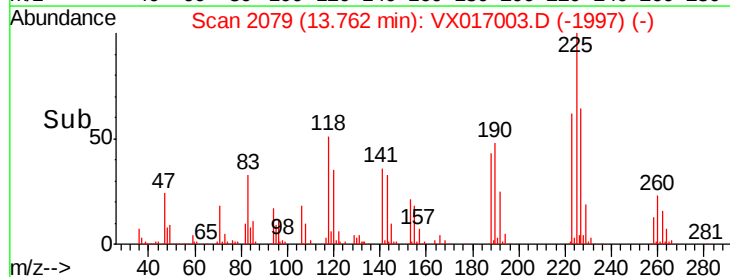
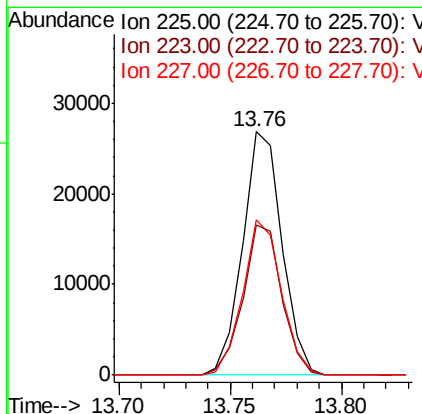
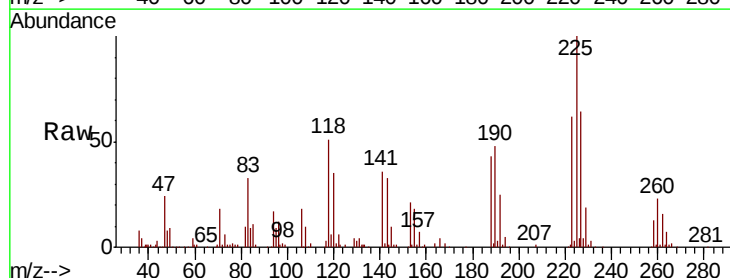
RT: 13.76 min Scan# 2079

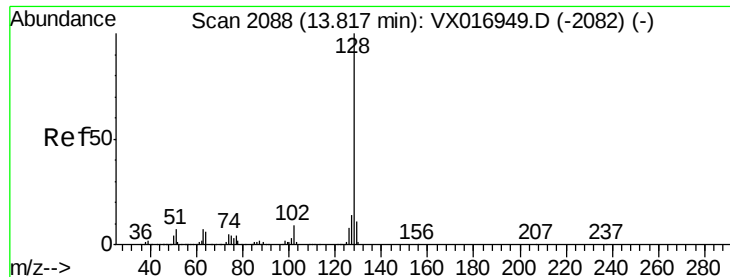
Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Tgt Ion:	225	Resp:	33342
Ion Ratio	Lower	Upper	
225	100		
223	60.6	0.0	125.0
227	62.3	0.0	124.0





#91

Naphthalene

Concen: 19.449 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Instrument :

MSVOA_X

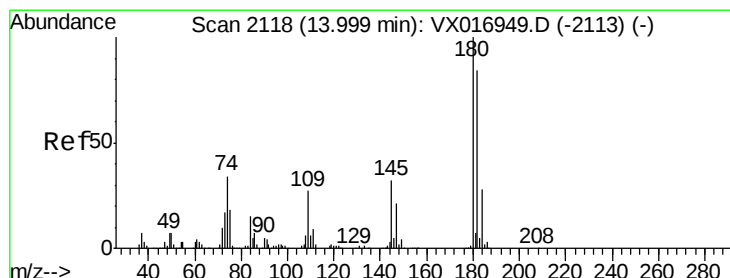
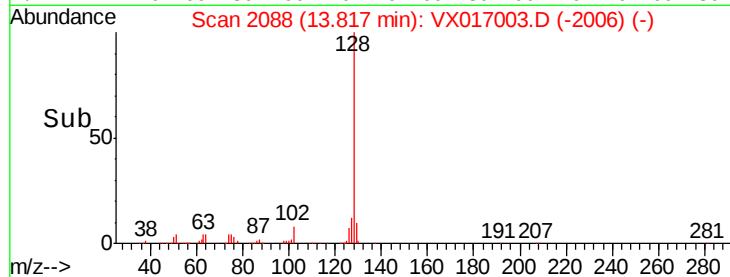
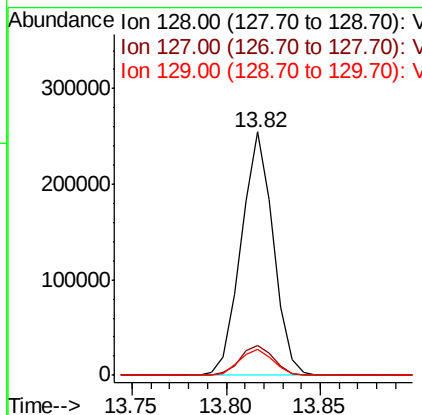
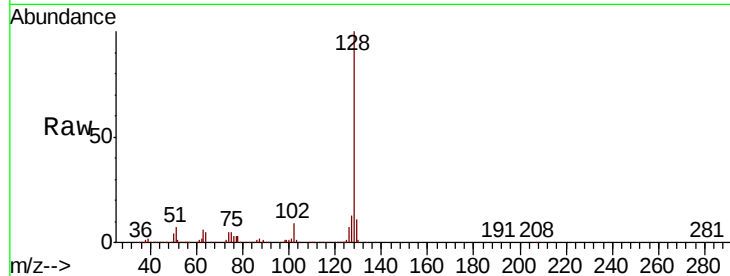
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	300114
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.2	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:59 PM



#92

1,2,3-Trichlorobenzene

Concen: 19.283 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX017003.D

Acq: 27 Jun 2020 00:48

Tgt Ion:	180	Resp:	88591
Ion Ratio	Lower	Upper	
180	100		
182	92.5	0.0	184.8
145	33.4	0.0	68.0

