

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010981.D
 Acq On : 19 Jul 2019 00:18
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:56:45 AM

Quant Time: Jul 19 03:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	40635	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	222144	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	201405	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	83146	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	11.13	95	98261	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	8.71	98	268878	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	57942	21.568	ug/l	95
3) Chloromethane	1.32	50	49088	20.779	ug/l	98
4) Vinyl Chloride	1.41	62	49555	20.115	ug/l	96
5) Bromomethane	1.64	94	35220	25.971	ug/l	99
6) Chloroethane	1.73	64	29482	20.228	ug/l	94
7) Trichlorofluoromethane	1.93	101	82323	20.121	ug/l	98
8) Diethyl Ether	2.18	74	26964	20.069	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46103	20.388	ug/l	99
10) 1,1-Dichloroethene	2.37	96	44910	19.762	ug/l	97
11) Methyl Iodide	2.51	142	49323	16.162	ug/l	97
12) Methyl Acetate	2.78	43	64404	20.178	ug/l	97
13) Acrolein	2.29	56	37371	97.650	ug/l	99
14) Acrylonitrile	3.14	53	124076	99.323	ug/l	99
15) Acetone	2.44	58	34180	98.258	ug/l	97
16) Carbon Disulfide	2.57	76	123733	21.189	ug/l	99
17) Allyl chloride	2.73	41	64686	19.662	ug/l	98
18) Methylene Chloride	2.85	84	50653	20.017	ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	48574	20.233	ug/l	97
20) Diisopropyl ether	3.85	45	137573	19.808	ug/l	97
21) 1,1-Dichloroethane	3.70	63	80565	20.157	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	55127	19.966	ug/l	98
23) tert-Butyl Alcohol	3.04	59	65594	100.568	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	147325	20.195	ug/l	99
25) Chloroform	5.21	83	86684	19.801	ug/l	99
26) Cyclohexane	5.58	56	74170	20.279	ug/l #	98
29) 1,1-Dichloropropene	5.80	75	63540	20.339	ug/l	99
30) 2-Butanone	4.67	43	168082	99.674	ug/l	99
31) 2,2-Dichloropropane	4.59	77	53137	19.486	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	76992	20.437	ug/l	99
33) Carbon Tetrachloride	5.79	117	66469	20.293	ug/l	99
34) Benzene	6.15	78	190315	20.309	ug/l	99
35) Methacrylonitrile	5.04	41	35658	20.312	ug/l	96
36) 1,2-Dichloroethane	6.20	62	69167	20.642	ug/l	98
37) Trichloroethene	7.21	130	55890	20.372	ug/l	98
38) Methylcyclohexane	7.46	83	80250	20.354	ug/l	99
39) 1,2-Dichloropropane	7.51	63	47054	20.088	ug/l	97
40) Dibromomethane	7.66	93	35401	20.549	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	62597	19.963	ug/l	97
42) Vinyl Acetate	3.81	43	554593	99.822	ug/l	100
43) Ethyl Acetate	4.84	43	64458	19.913	ug/l	98
44) Isopropyl Acetate	6.44	43	103835	19.694	ug/l	99
45) 1,4-Dioxane	7.74	88	27953	407.339	ug/l	98
46) Methyl methacrylate	7.77	41	50736	19.826	ug/l	99
47) n-amyl Acetate	10.90	43	92684	19.601	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	64400	19.487	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	72059	19.981	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	51247	20.325	ug/l	97
51) Ethyl methacrylate	9.18	69	76111	19.519	ug/l	97
52) 1,3-Dichloropropane	9.37	76	80004	19.746	ug/l	98
53) Dibromochloromethane	9.58	129	52376	19.235	ug/l	98
54) 1,2-Dibromoethane	9.67	107	55860	20.387	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	159844	96.799	ug/l	99
56) Bromoform	10.85	173	37652	18.566	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	338178	99.424	ug/l	99
59) 2-Hexanone	9.49	43	260795	100.199	ug/l	99
61) Tetrachloroethene	9.34	164	56118	21.103	ug/l	96
62) Toluene	8.78	91	216383	20.224	ug/l	99
64) Chlorobenzene	10.13	112	136932	19.975	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	50150	20.129	ug/l	98
66) Ethyl Benzene	10.25	91	240988	20.008	ug/l	99
67) m/p-Xylenes	10.36	106	186618	40.496	ug/l	96
68) o-Xylene	10.69	106	90371	20.014	ug/l	98
69) Styrene	10.71	104	150667	19.851	ug/l	99
70) Isopropylbenzene	11.02	105	244369	20.323	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	77746	20.053	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	66164m	20.445	ug/l	
73) Bromobenzene	11.26	156	66191	20.403	ug/l	99
74) n-propylbenzene	11.36	91	271563	20.067	ug/l	99
75) 2-Chlorotoluene	11.42	91	162041	20.105	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	204857	20.128	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19154	17.939	ug/l	99
78) 4-Chlorotoluene	11.51	91	187726	20.281	ug/l	99
79) tert-butylbenzene	11.77	119	201024	20.363	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	206442	20.143	ug/l	99
81) sec-Butylbenzene	11.94	105	237727	20.429	ug/l	100
82) p-Isopropyltoluene	12.06	119	218257	20.212	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	115238	20.121	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	116142	20.403	ug/l	100
85) n-Butylbenzene	12.38	91	183172	19.921	ug/l	98
86) Hexachloroethane	12.59	117	32163	18.886	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	114035	20.337	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17297	20.265	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	80224	20.742	ug/l	98
90) Hexachlorobutadiene	13.78	225	36912	19.739	ug/l	97
91) Naphthalene	13.83	128	246347	20.875	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	81611	21.053	ug/l	98

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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

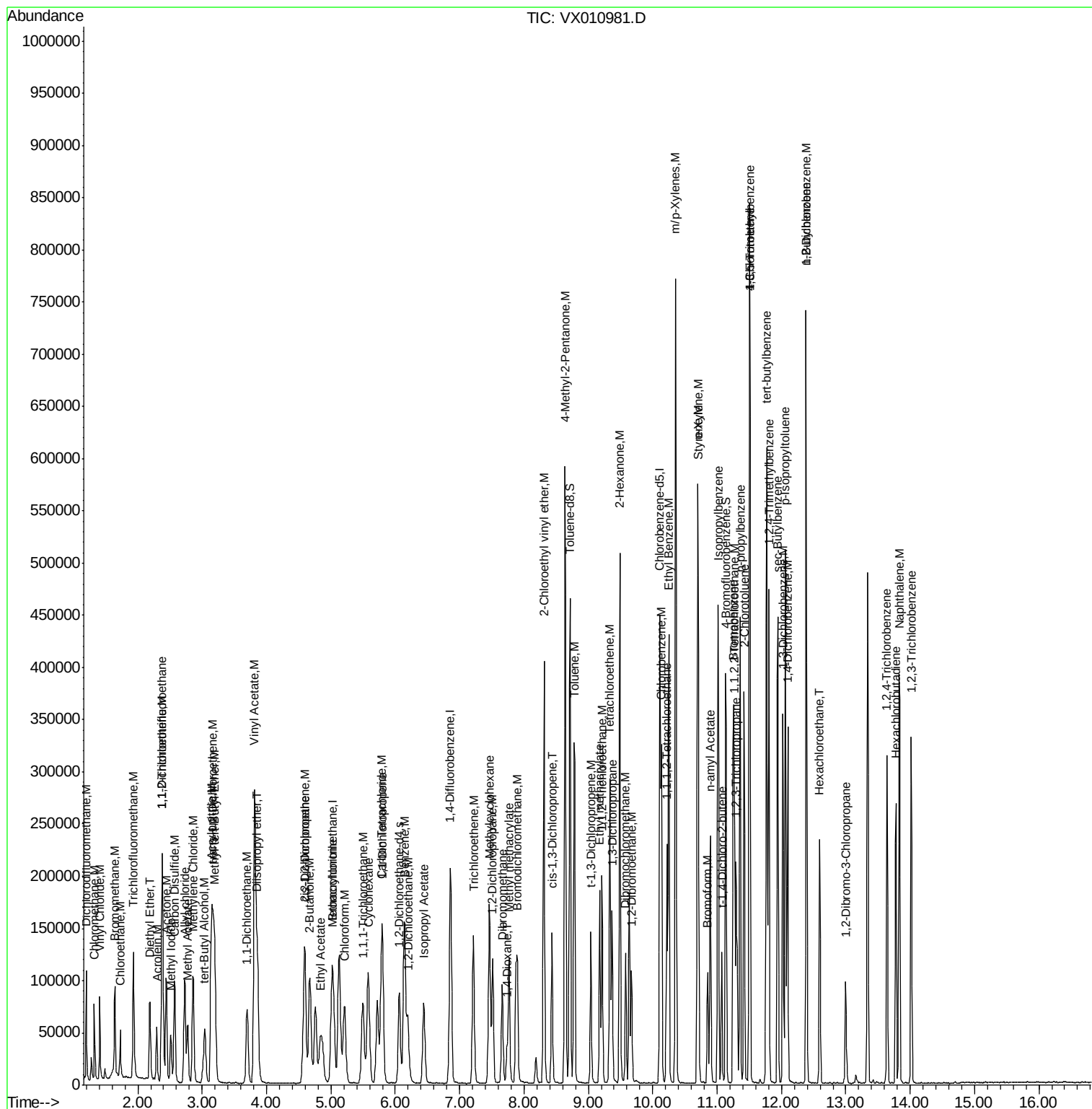
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
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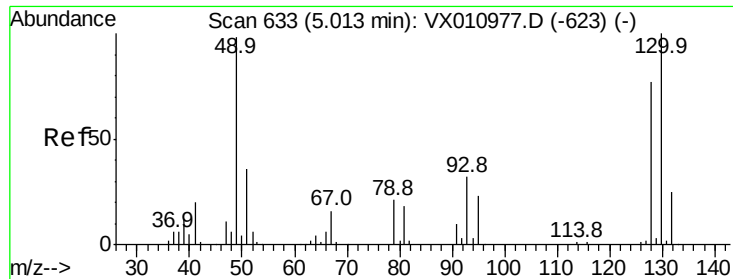
Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

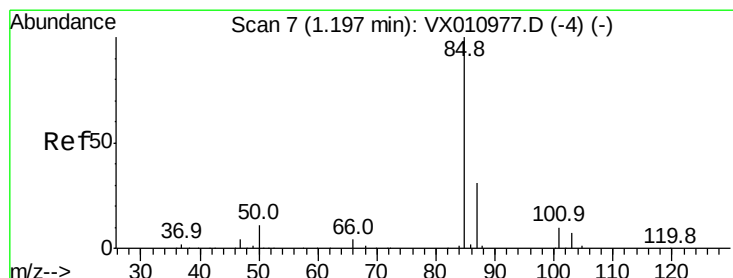
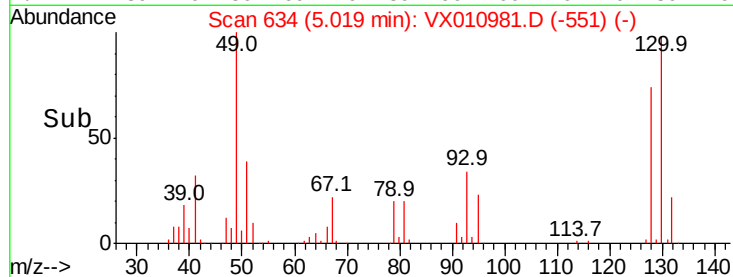
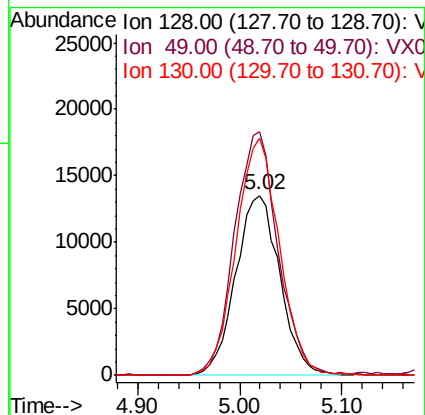
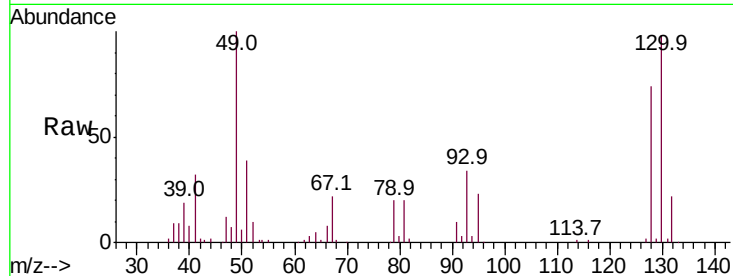
ClientSampleId :

ICVVN071919

Tot Ion:	128	Resp:	40635
Ion	Ratio	Lower	Upper
128	100		
49	133.8	0.0	343.5
130	129.5	0.0	324.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 21.568 ug/l

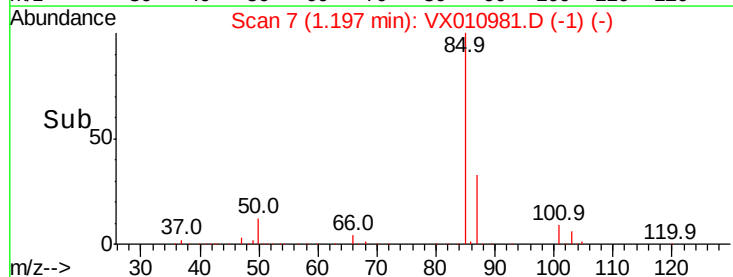
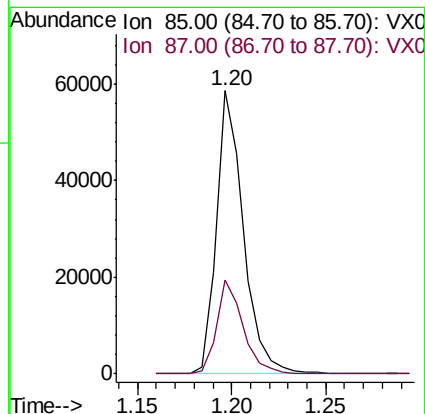
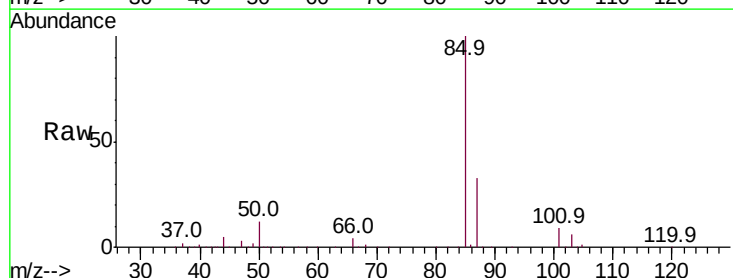
RT: 1.20 min Scan# 7

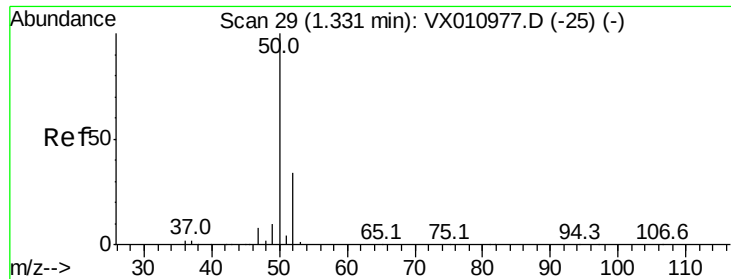
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	85	Resp:	57942
Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.4	46.1





#3

Chloromethane

Concen: 20.779 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion: 50 Resp: 49088

Ion Ratio Lower Upper

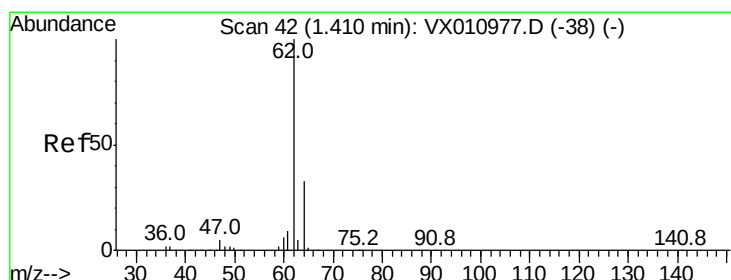
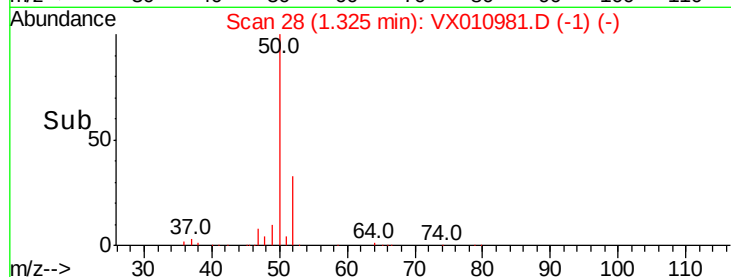
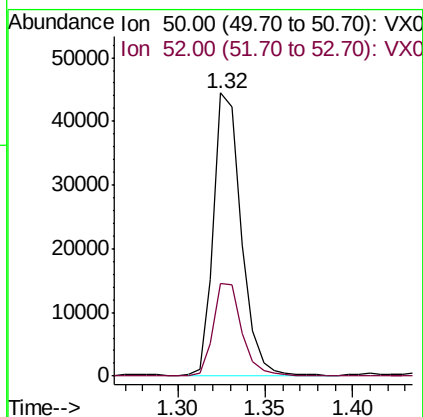
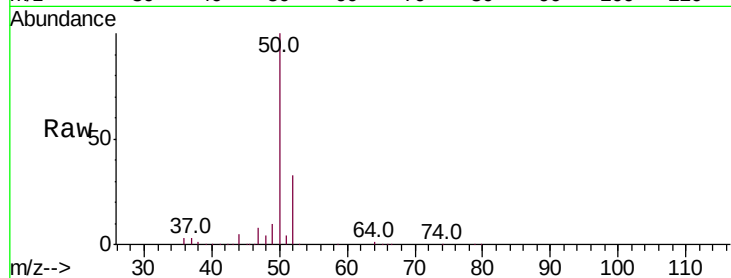
50 100

52 32.7 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.115 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010981.D

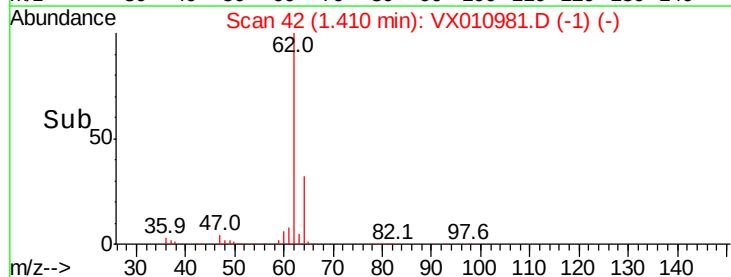
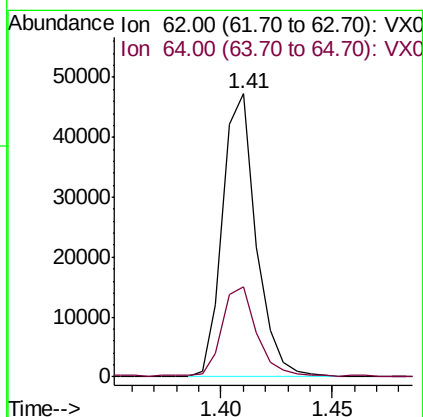
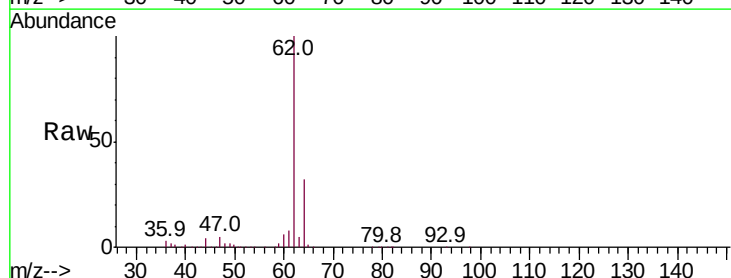
Acq: 19 Jul 2019 00:18

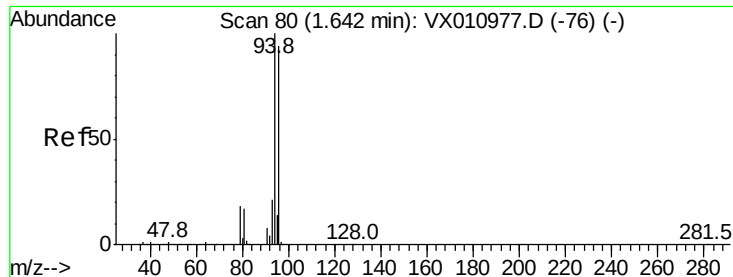
Tgt Ion: 62 Resp: 49555

Ion Ratio Lower Upper

62 100

64 31.3 26.8 40.2





#5

Bromomethane

Concen: 25.971 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 35220

Ion Ratio Lower Upper

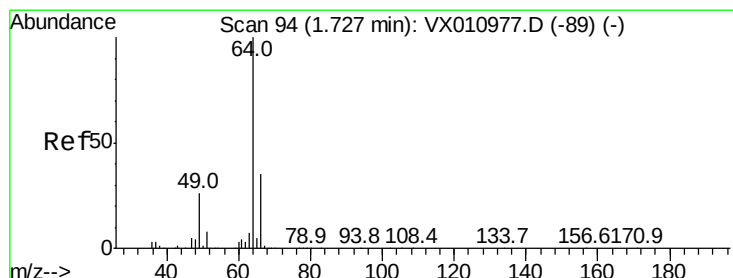
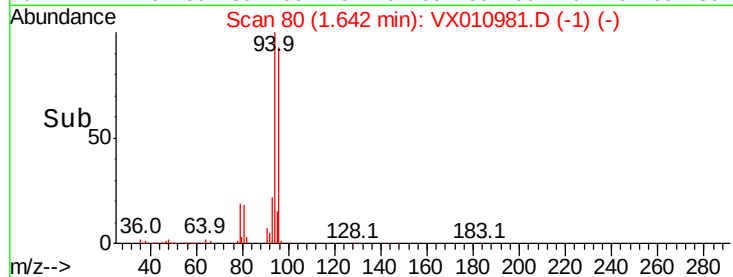
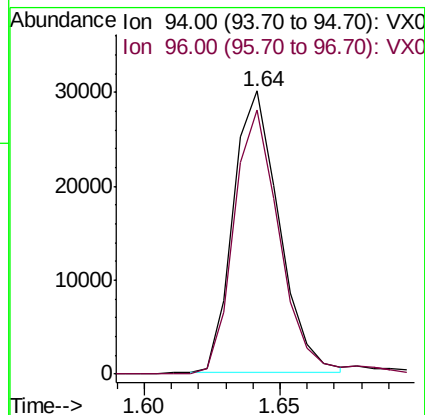
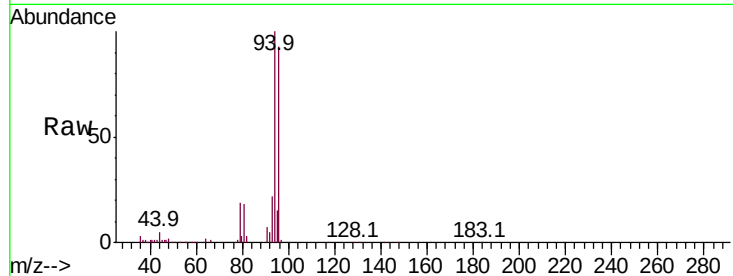
94 100

96 93.6 75.4 113.2

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#6

Chloroethane

Concen: 20.228 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX010981.D

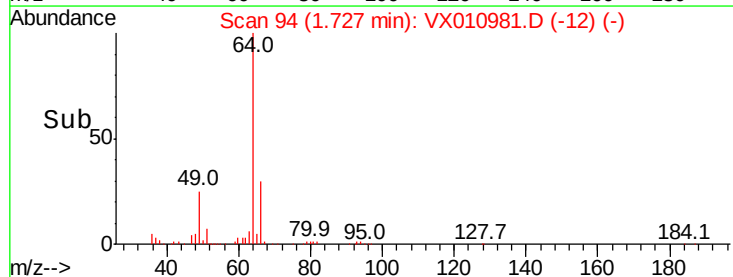
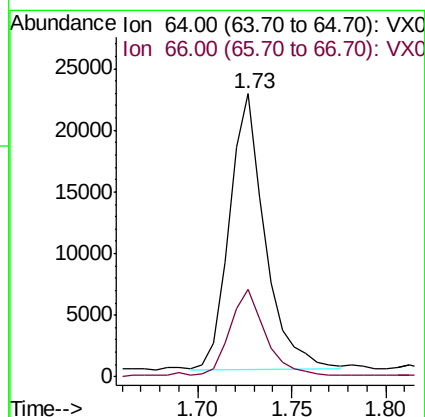
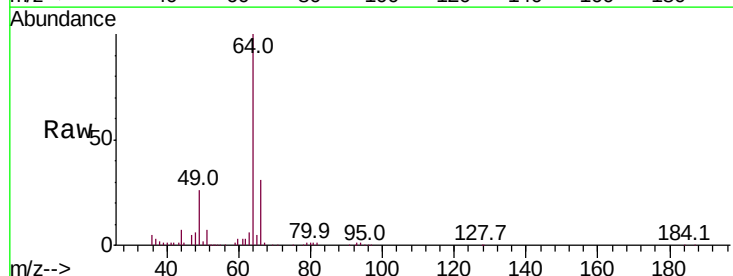
Acq: 19 Jul 2019 00:18

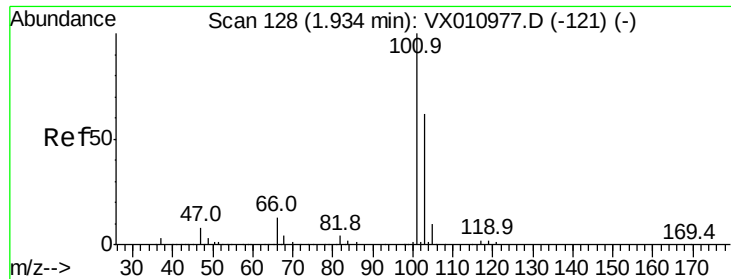
Tgt Ion: 64 Resp: 29482

Ion Ratio Lower Upper

64 100

66 31.5 28.1 42.1





#7

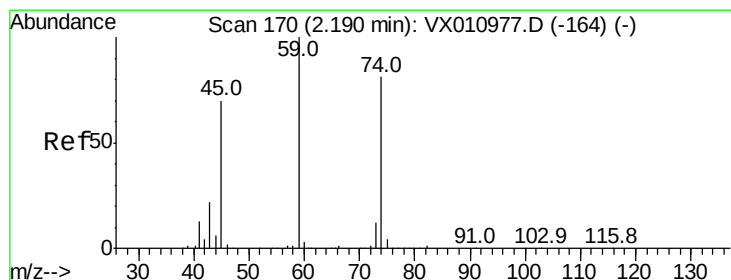
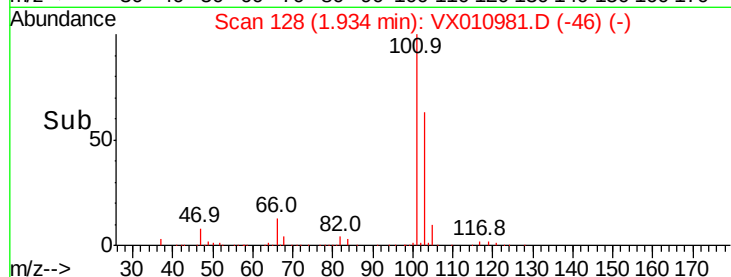
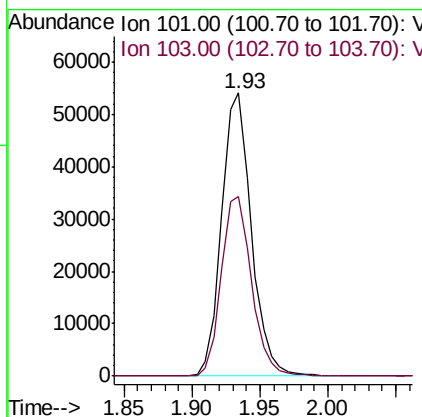
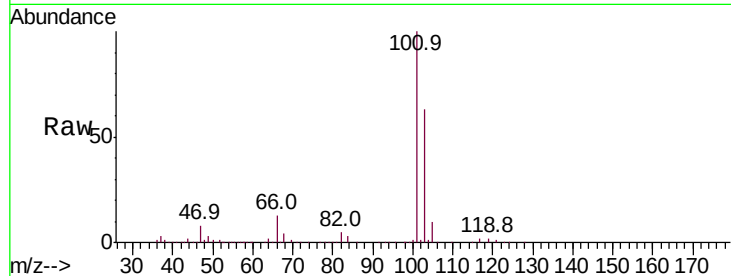
Trichlorofluoromethane
Concen: 20.121 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.6	74.4

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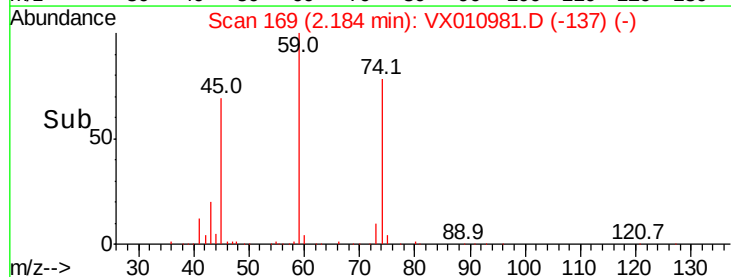
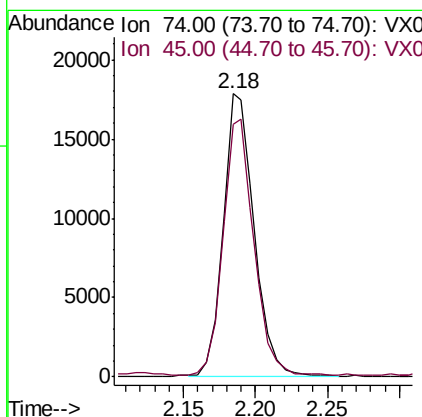
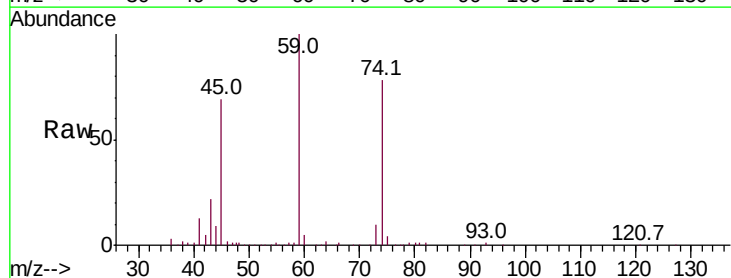
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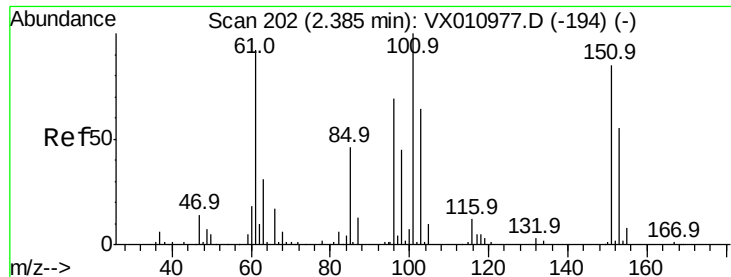


#8

Diethyl Ether
Concen: 20.069 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.388 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

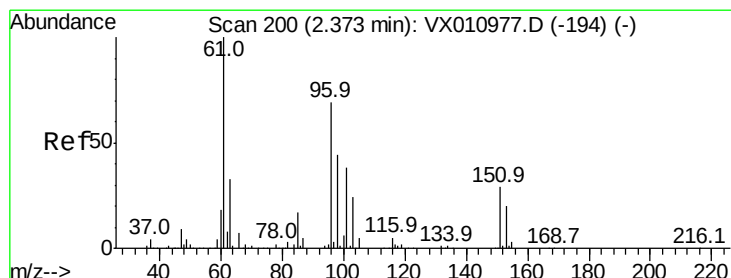
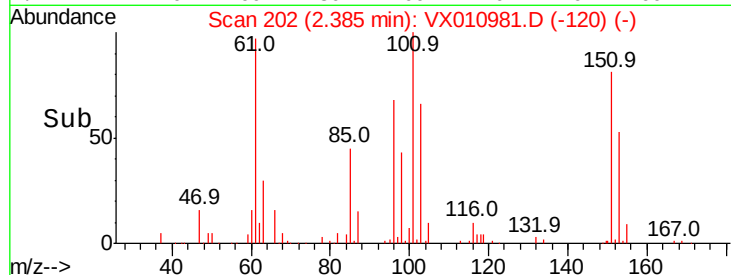
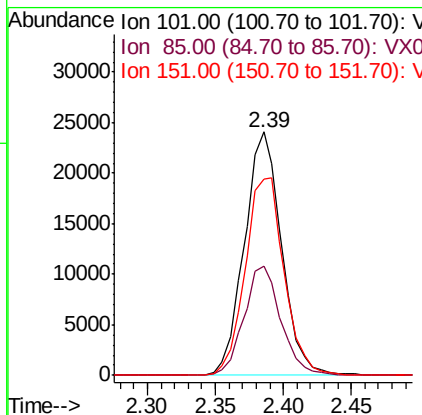
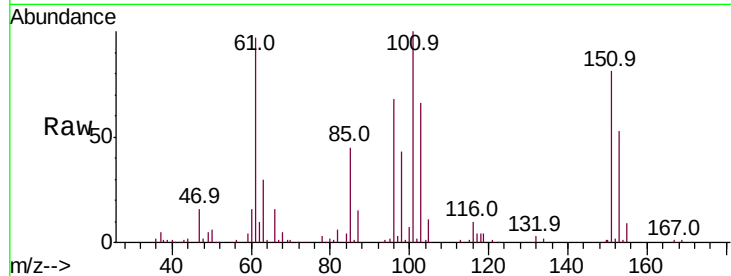
ClientSampleId :

ICVVN071919

Tot Ion:	101	Resp:	46103
Ion Ratio	Lower	Upper	
101	100		
85	44.6	0.0	89.8
151	84.9	0.0	172.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.762 ug/l

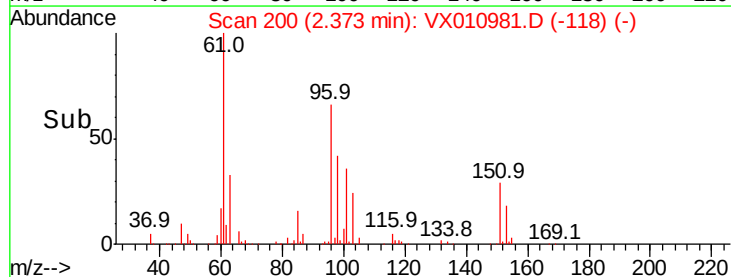
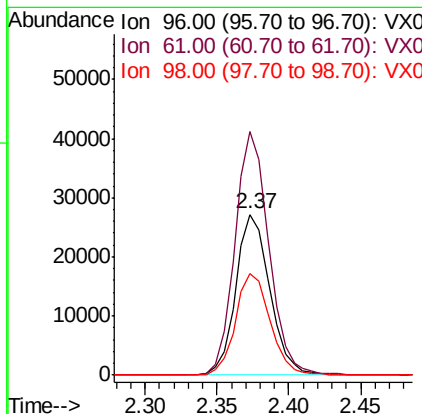
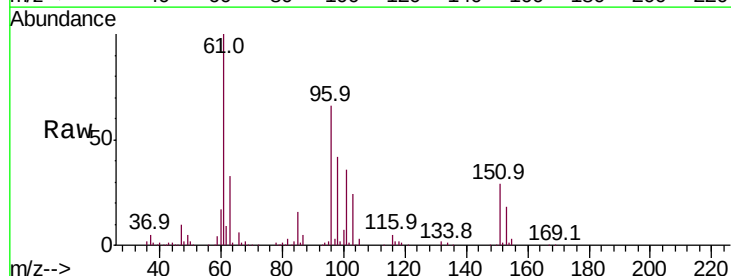
RT: 2.37 min Scan# 200

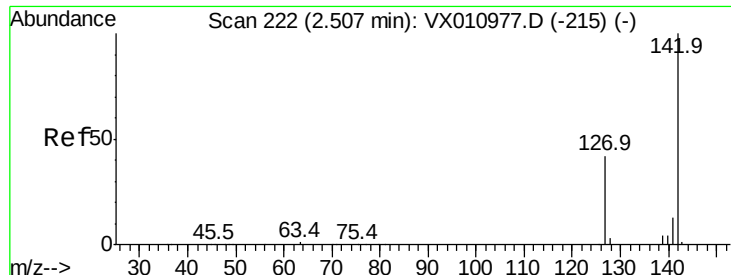
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	96	Resp:	44910
Ion Ratio	Lower	Upper	
96	100		
61	151.1	115.9	173.9
98	63.3	50.6	75.8





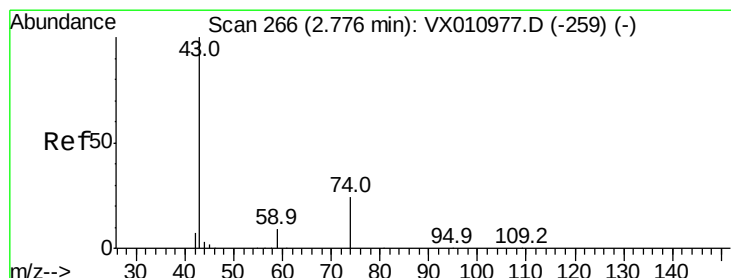
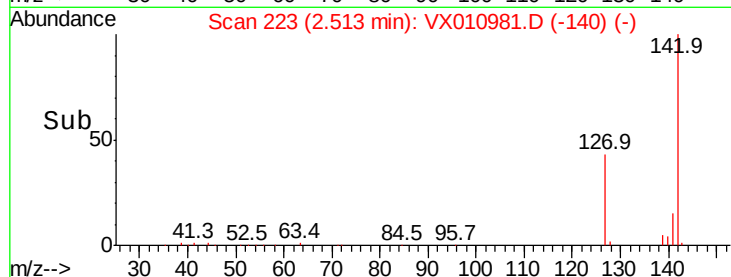
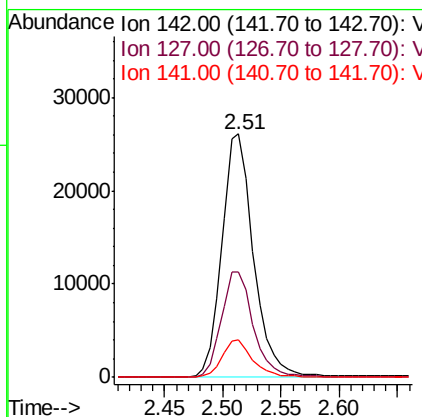
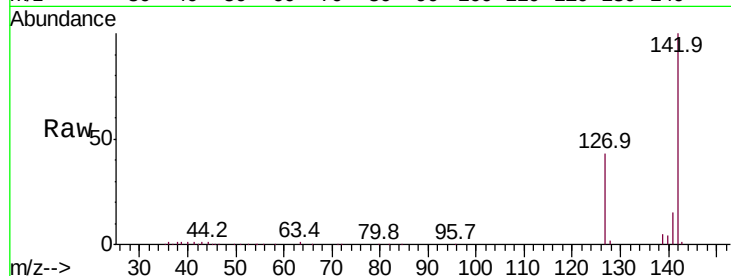
#11
Methvl Iodide
Concen: 16.162 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.4	20.7	62.1
141	15.1	6.7	20.0

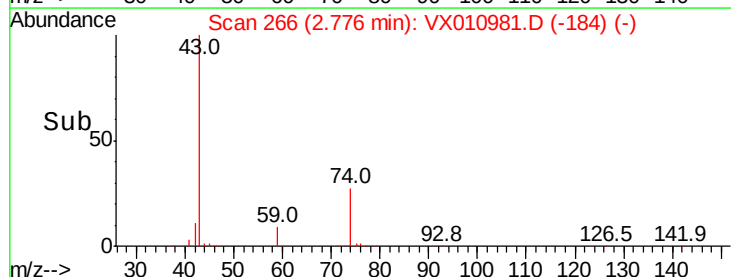
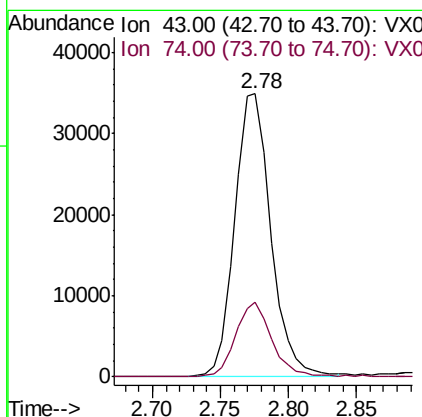
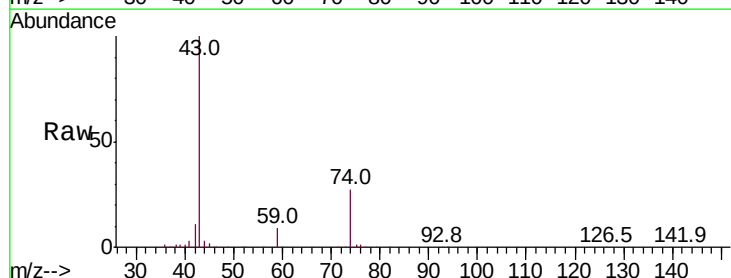
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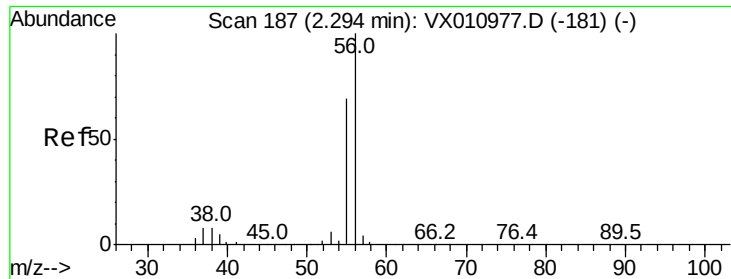
MMDadoda
7/19/2019 9:56:45 AM



#12
Methyl Acetate
Concen: 20.178 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.8	29.6





#13

Acrolein

Concen: 97.650 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion: 56 Resp: 37371

Ion Ratio Lower Upper

56 100

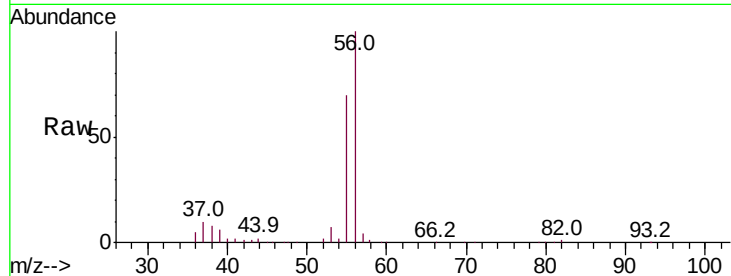
55 69.6 56.1 84.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

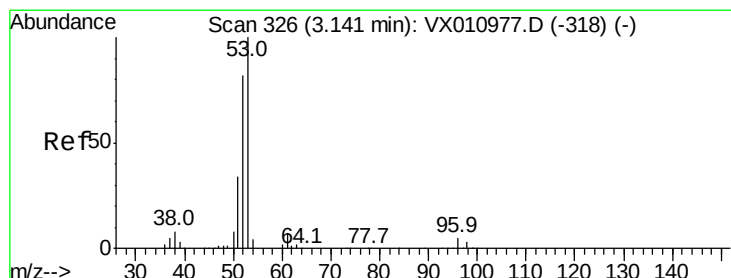
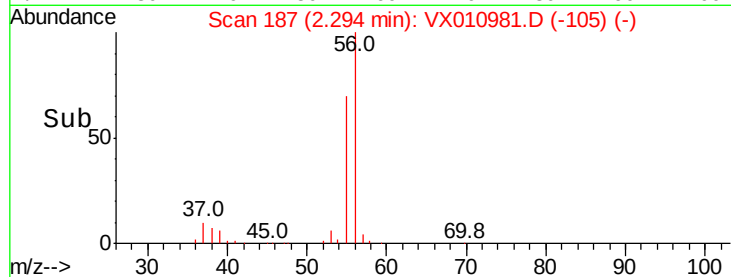
10000

5000

0

2.25 2.30 2.35

Time-->



#14

Acrylonitrile

Concen: 99.323 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

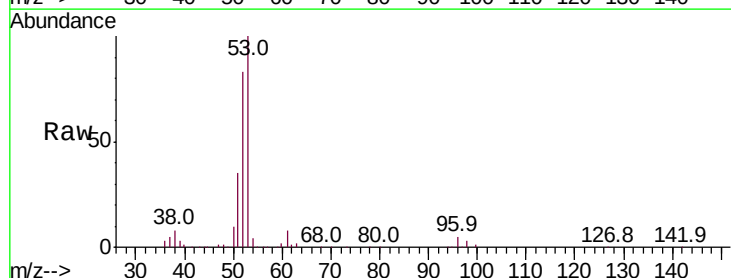
Tgt Ion: 53 Resp: 124076

Ion Ratio Lower Upper

53 100

52 83.3 41.1 123.4

51 36.3 17.8 53.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

80000

60000

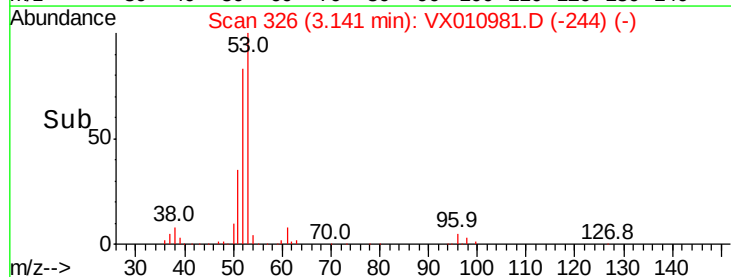
40000

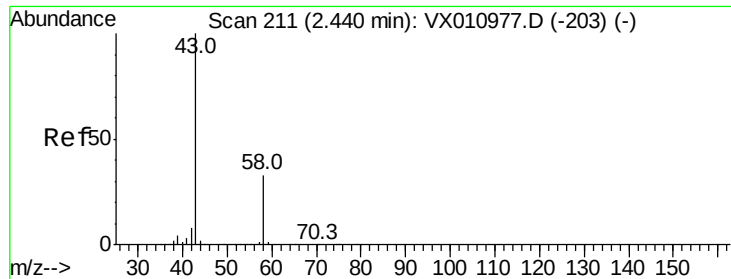
20000

0

3.10 3.14 3.18

Time-->





#15

Acetone

Concen: 98.258 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion: 58 Resp: 34180

Ion Ratio Lower Upper

58 100

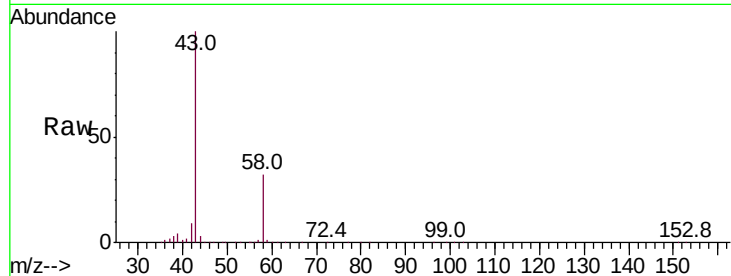
43 309.8 243.8 365.6

Manual Integrations

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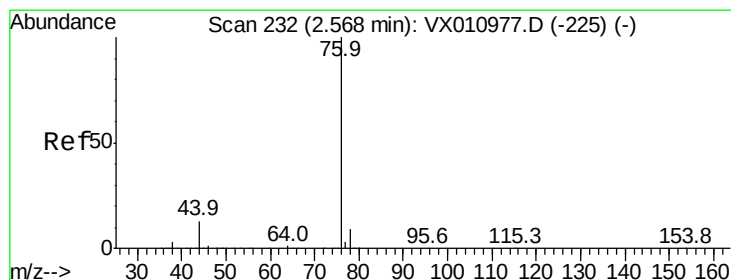
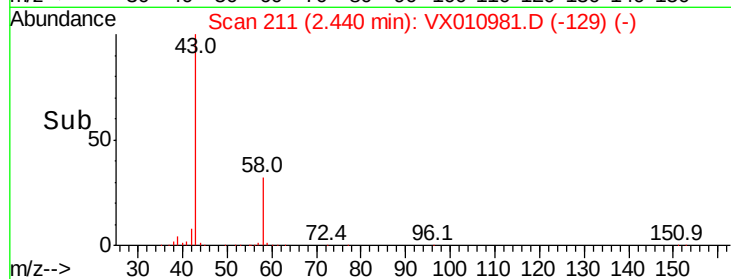
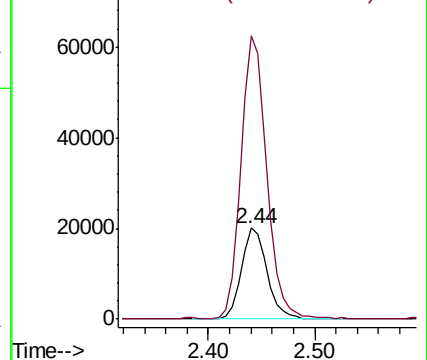
MMDadoda

7/19/2019 9:56:45 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 21.189 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010981.D

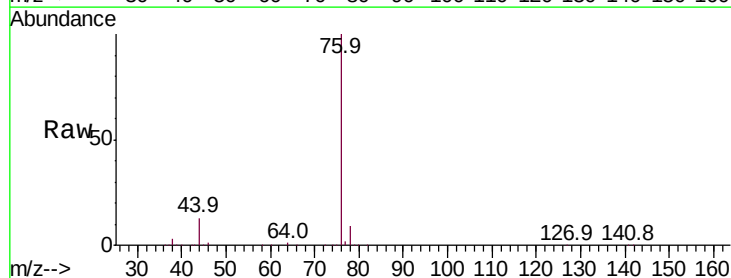
Acq: 19 Jul 2019 00:18

Tgt Ion: 76 Resp: 123733

Ion Ratio Lower Upper

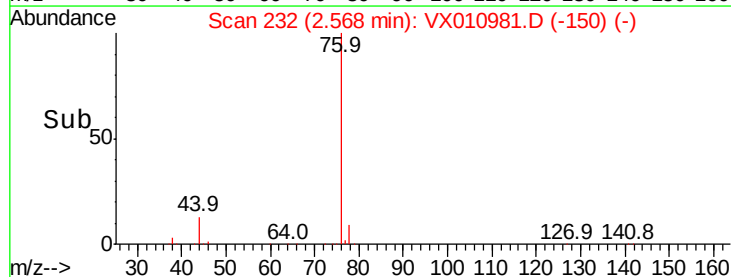
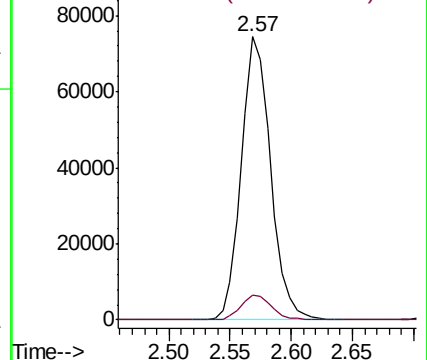
76 100

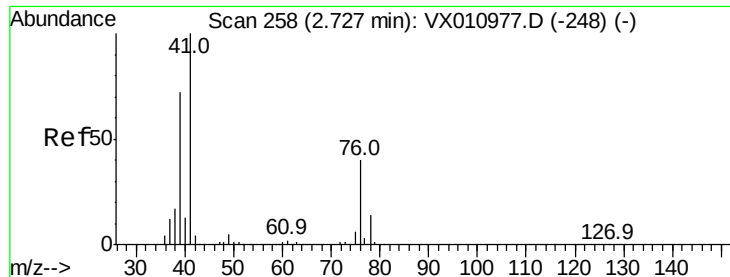
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 19.662 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

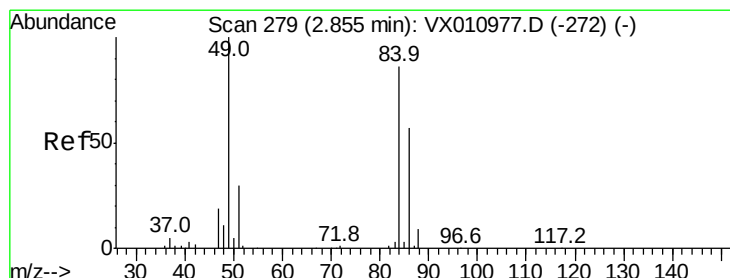
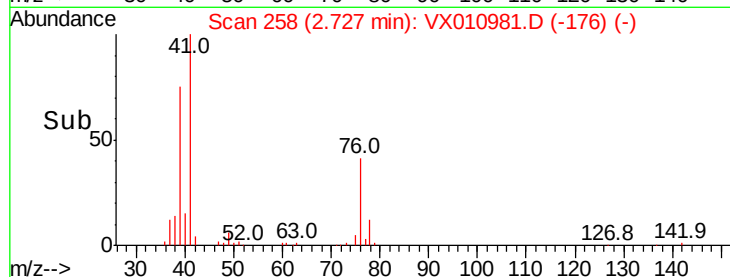
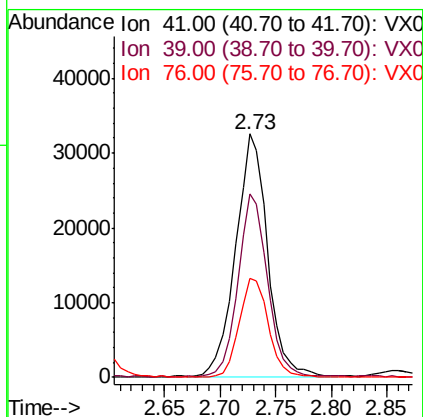
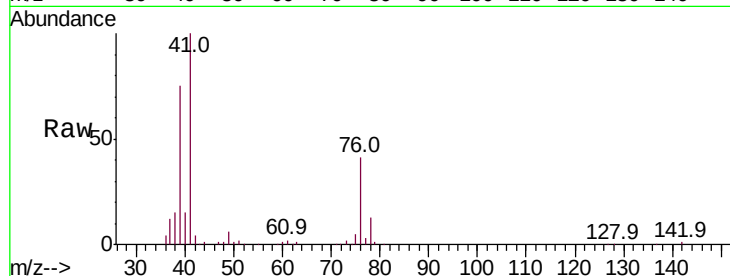
ClientSampleId :

ICVVN071919

Tot Ion:	41	Resp:	64686
Ion	Ratio	Lower	Upper
41	100		
39	74.9	36.1	108.3
76	40.7	20.2	60.5

Manual Integrations
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#18

Methylene Chloride

Concen: 20.017 ug/l

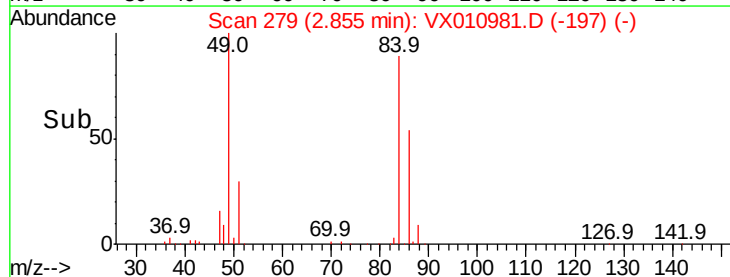
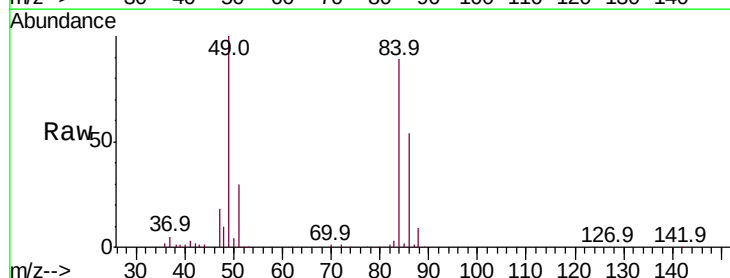
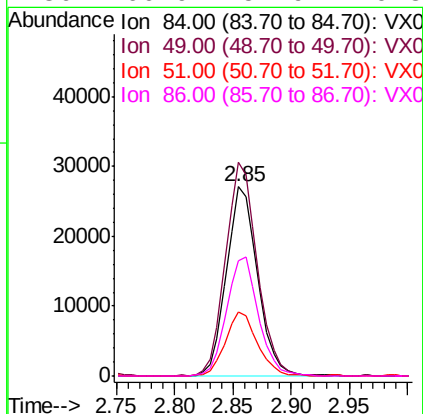
RT: 2.85 min Scan# 279

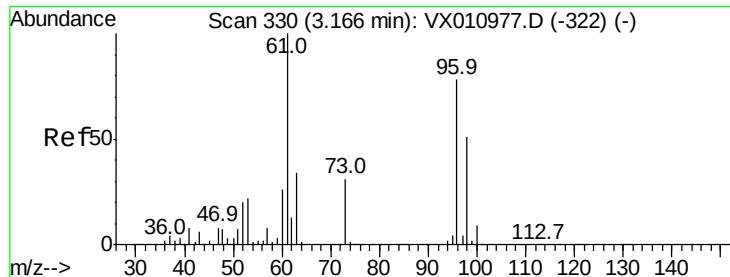
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	84	Resp:	50653
Ion	Ratio	Lower	Upper
84	100		
49	112.6	93.2	139.8
51	33.4	28.6	42.8
86	60.9	52.9	79.3





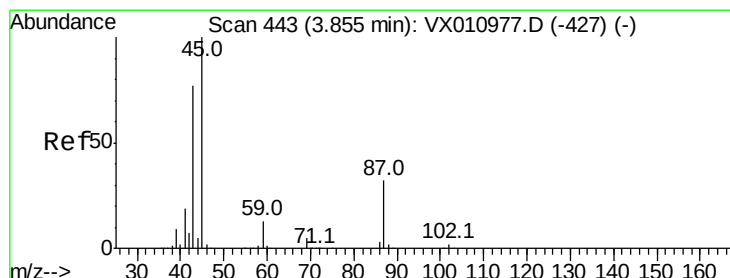
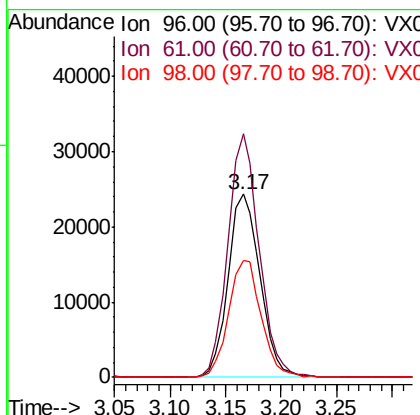
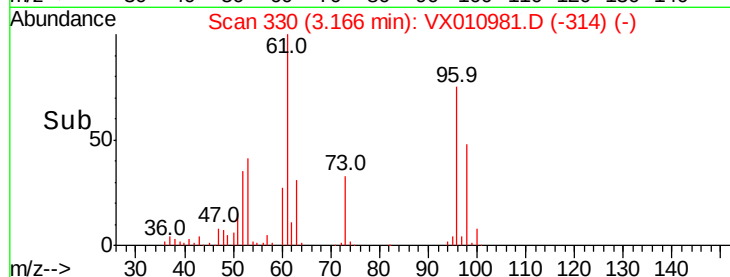
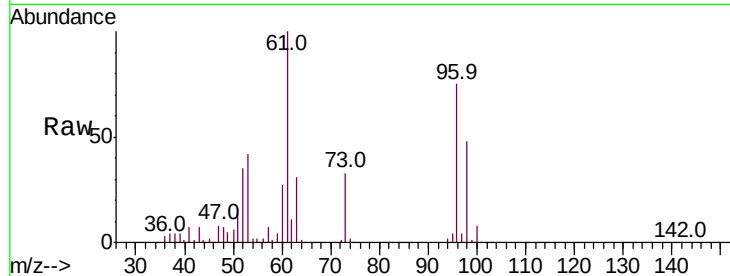
#19
trans-1,2-Dichloroethene
Concen: 20.233 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.7	102.2	153.4
98	64.1	52.2	78.2

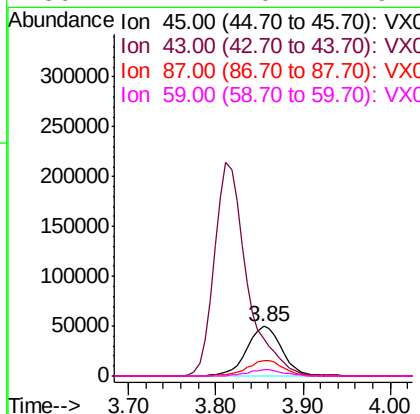
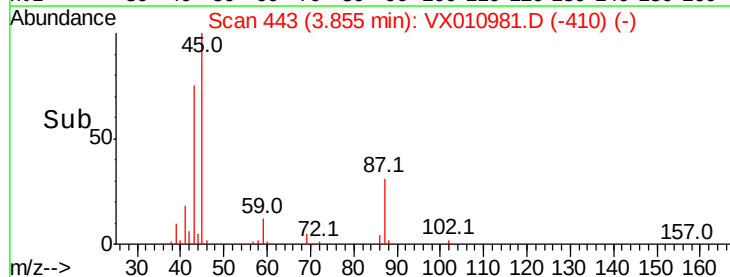
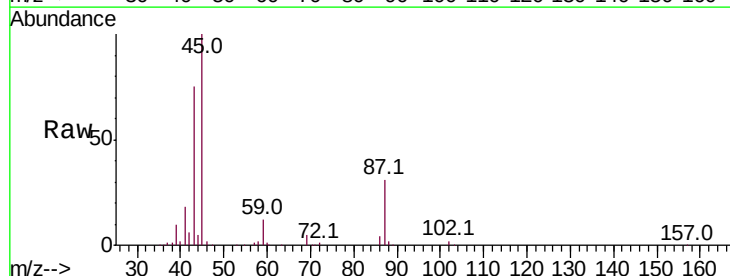
Manual Integrations
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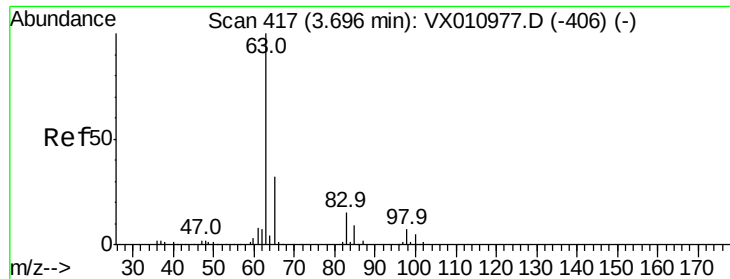
MMDadoda
7/19/2019 9:56:45 AM



#20
Diisopropyl ether
Concen: 19.808 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.7	61.5	92.3
87	31.3	25.4	38.2
59	12.1	10.2	15.2





#21

1,1-Dichloroethane

Concen: 20.157 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

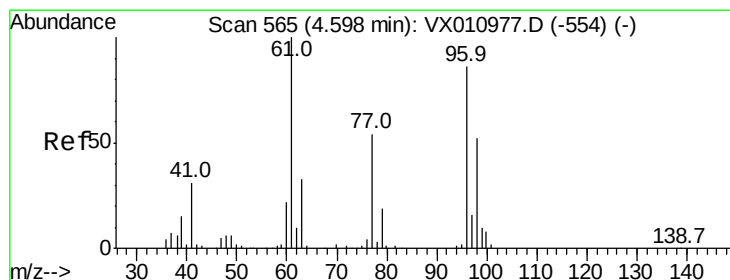
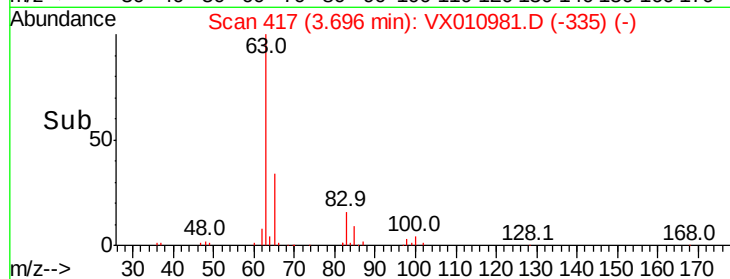
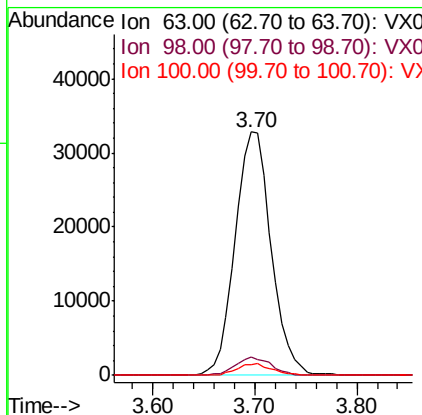
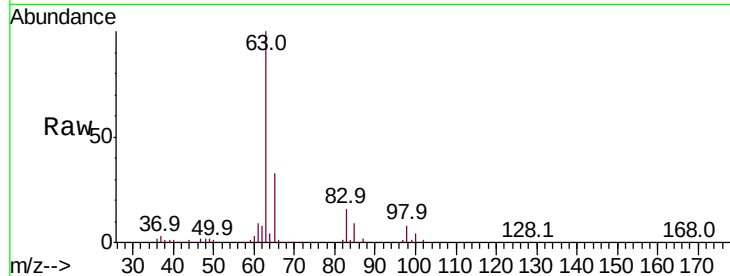
ClientSampleId :

ICVVN071919

Tot Ion:	63	Resp:	80565
Ion Ratio	Lower	Upper	
63	100		
98	7.7	3.8	11.2
100	4.5	2.5	7.4

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.966 ug/l

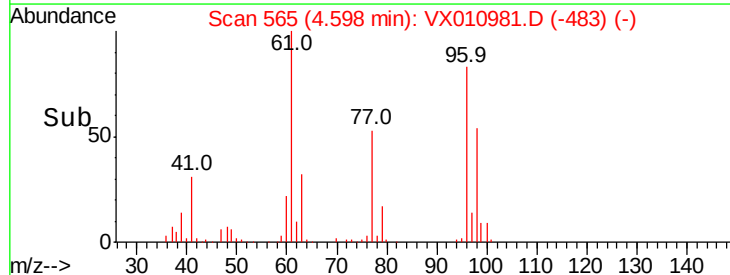
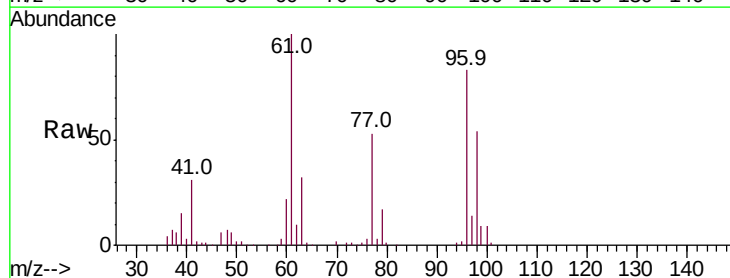
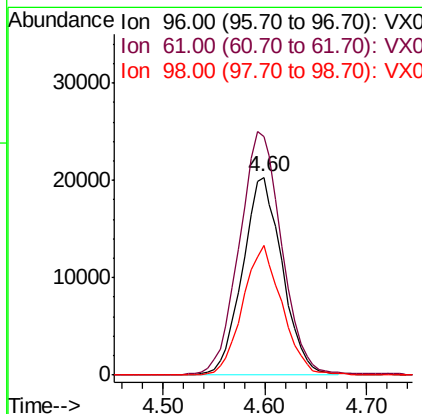
RT: 4.60 min Scan# 565

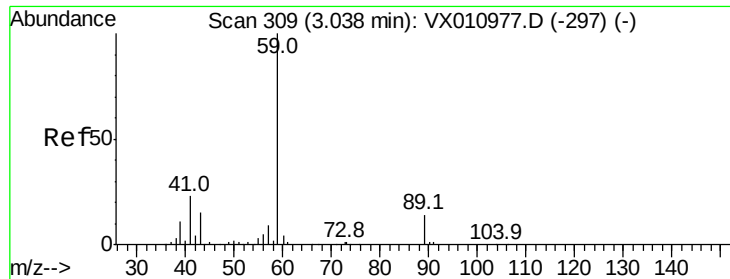
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	96	Resp:	55127
Ion Ratio	Lower	Upper	
96	100		
61	131.4	102.9	154.3
98	64.4	50.9	76.3





#23

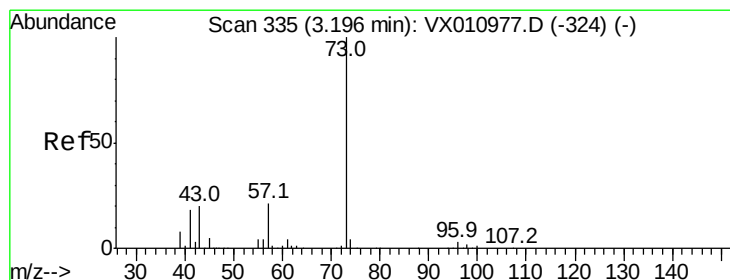
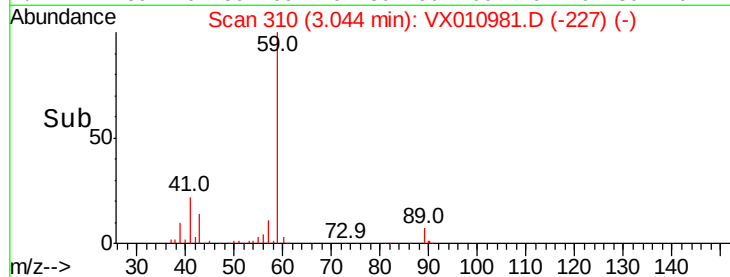
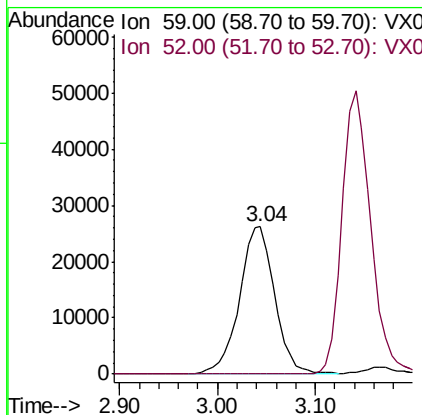
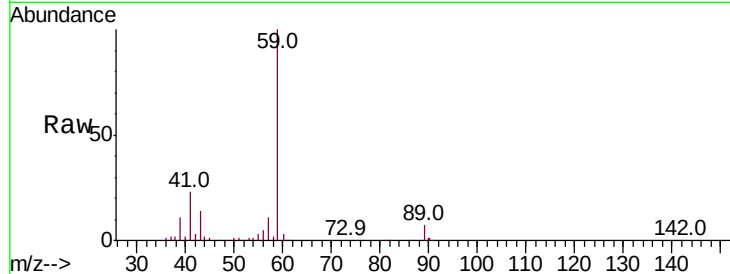
tert-Butyl Alcohol
 Concen: 100.568 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.2	0.2	0.2	0.4#

Manual Integrations
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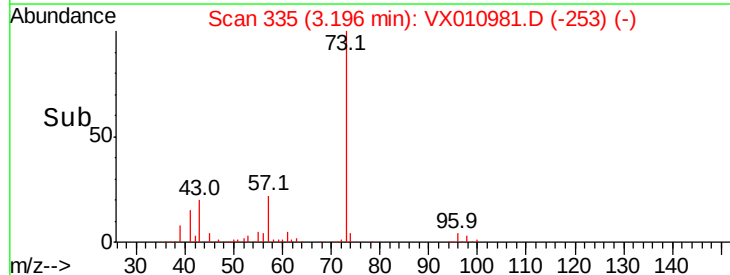
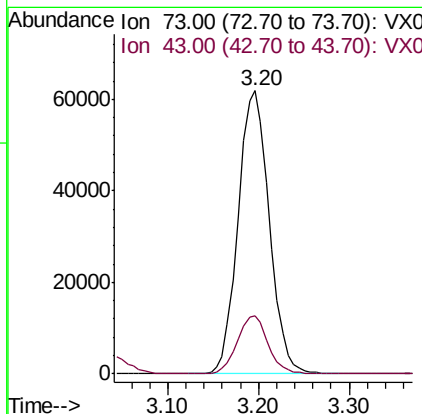
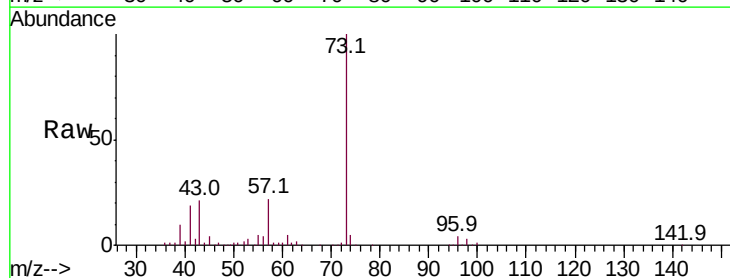
MMDadoda
 7/19/2019 9:56:45 AM

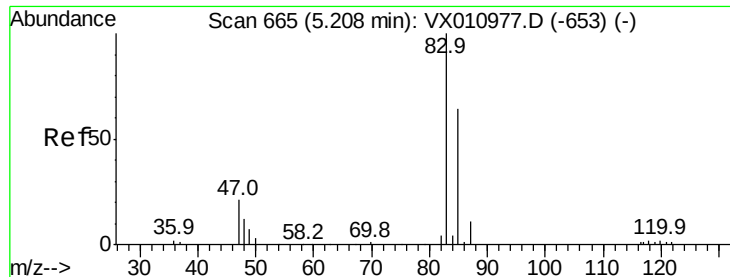


#24

Methyl tert-Butyl Ether
 Concen: 20.195 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	20.0	15.8	23.6	





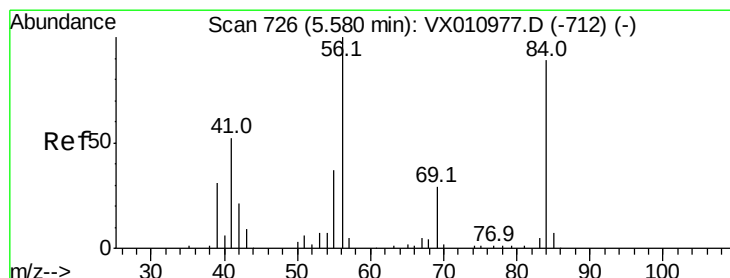
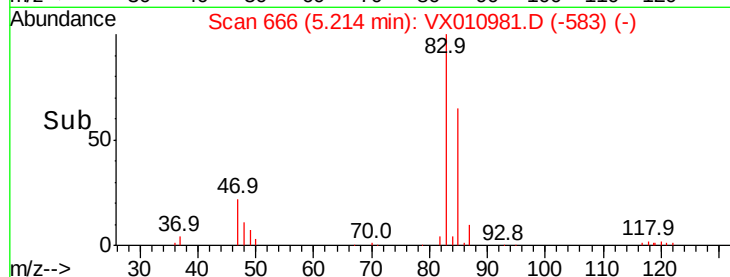
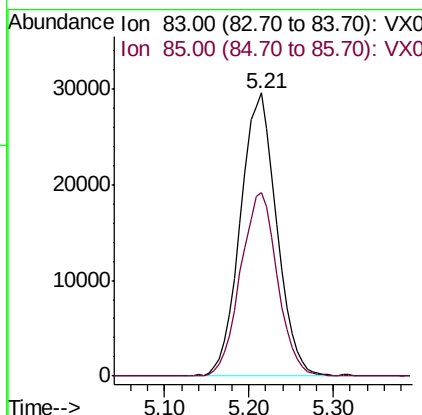
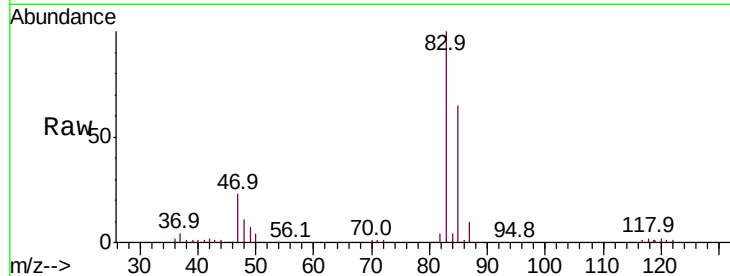
#25
Chloroform
Concen: 19.801 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion: 83 Resp: 86684
Ion Ratio Lower Upper
83 100
85 64.7 50.9 76.3

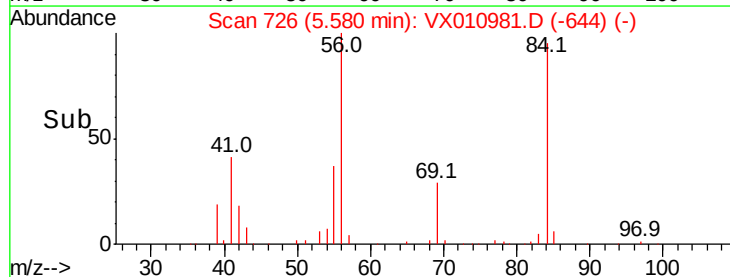
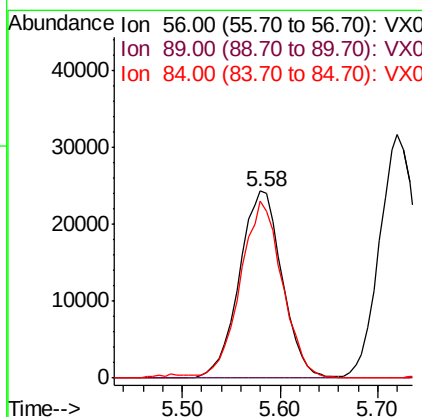
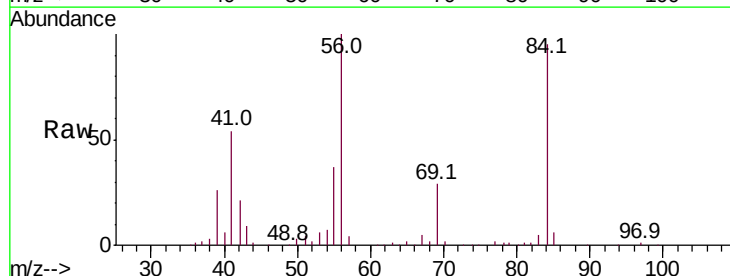
Manual Integrations
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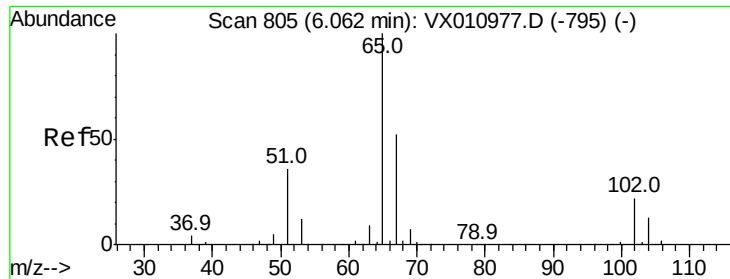
MMDadoda
7/19/2019 9:56:45 AM



#26
Cyclohexane
Concen: 20.279 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion: 56 Resp: 74170
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 92.7 73.0 109.4





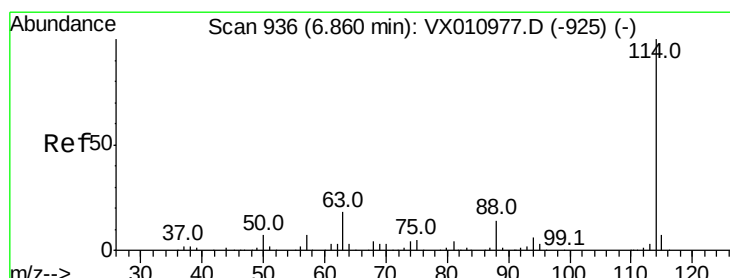
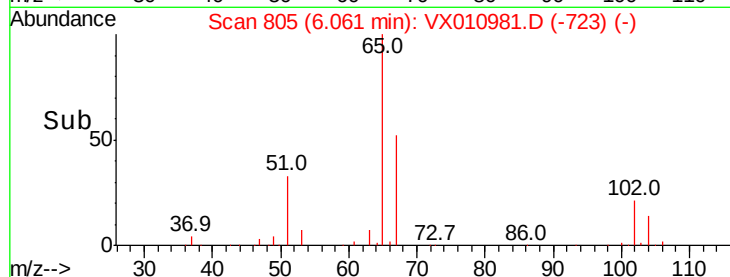
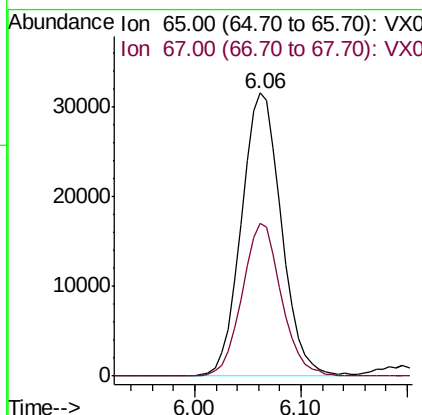
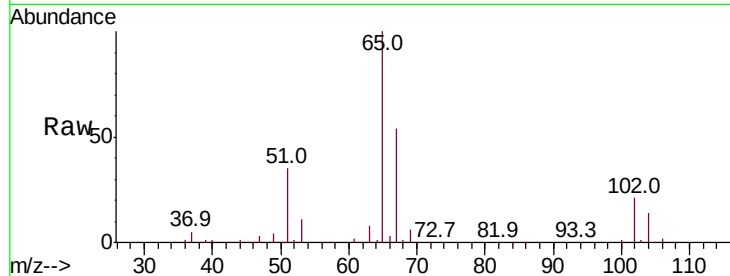
#27
 1,2-Dichloroethane-d4
 Concen: 30.182 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion: 65 Resp: 83146
 Ion Ratio Lower Upper
 65 100
 67 52.8 41.7 62.5

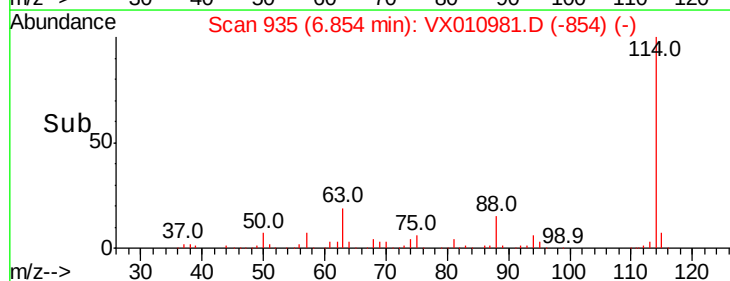
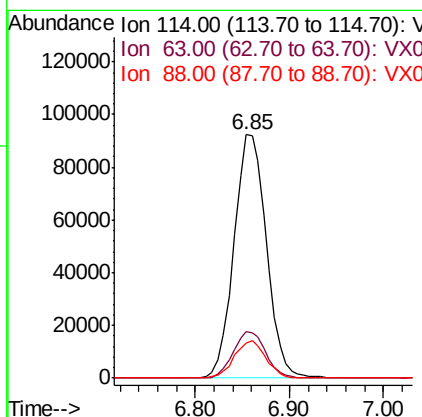
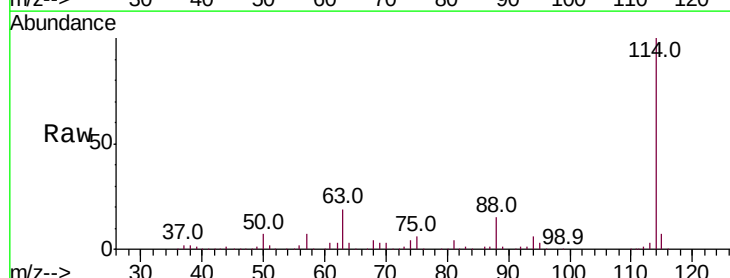
Manual Integrations
 APPROVED

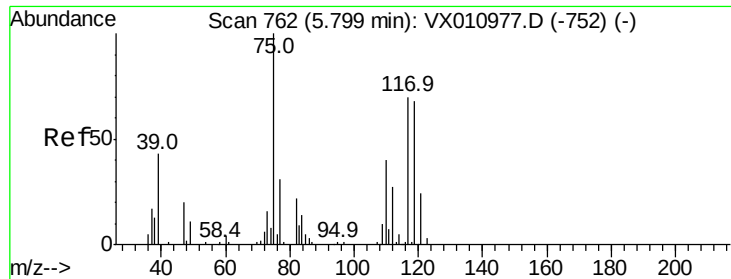
MMDadoda
 7/19/2019 9:56:45 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion: 114 Resp: 222144
 Ion Ratio Lower Upper
 114 100
 63 19.0 14.6 22.0
 88 15.1 11.8 17.8





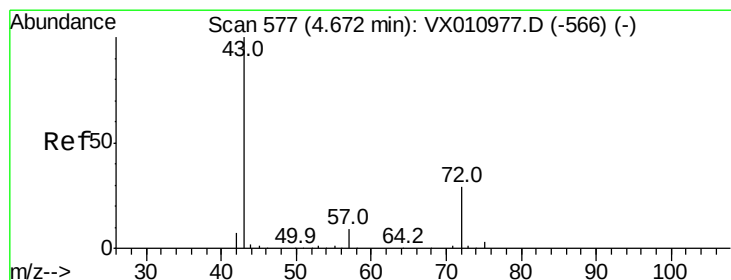
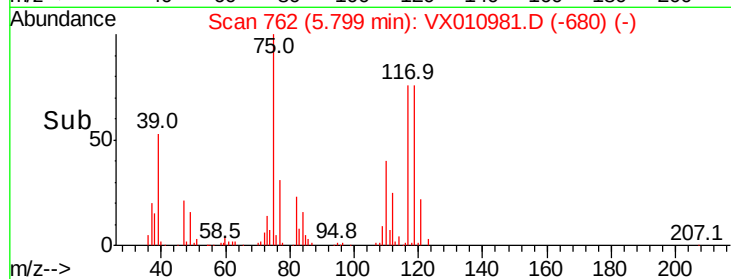
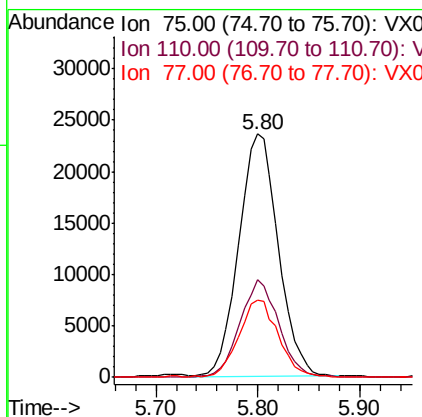
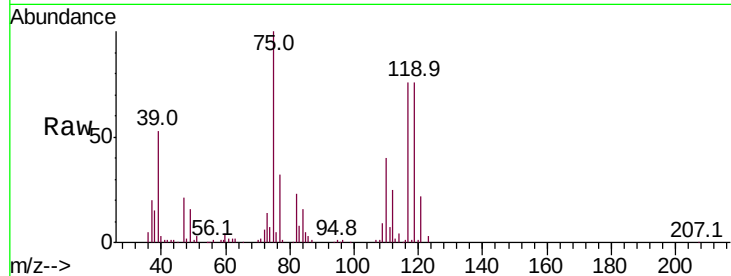
#29
 1,1-Dichloropropene
 Concen: 20.339 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.3	0.0	79.8
77	31.8	0.0	62.2

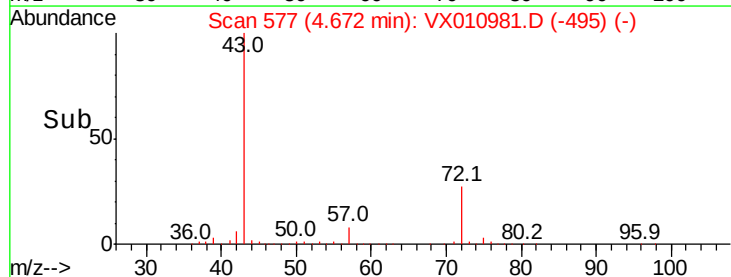
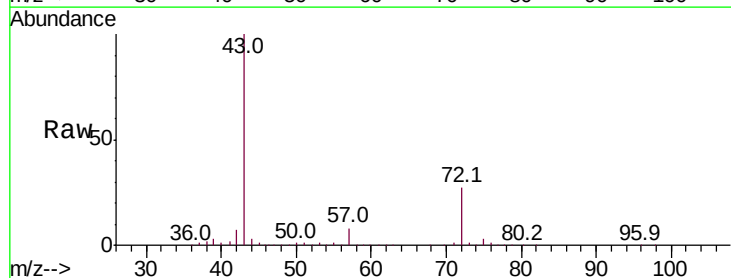
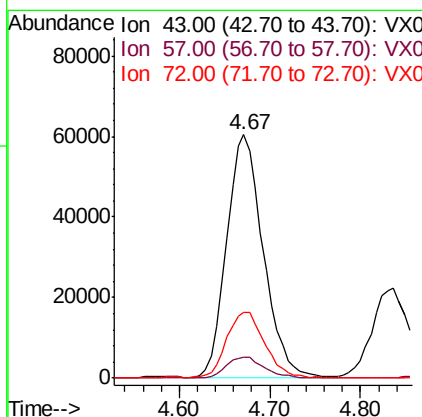
Manual Integrations
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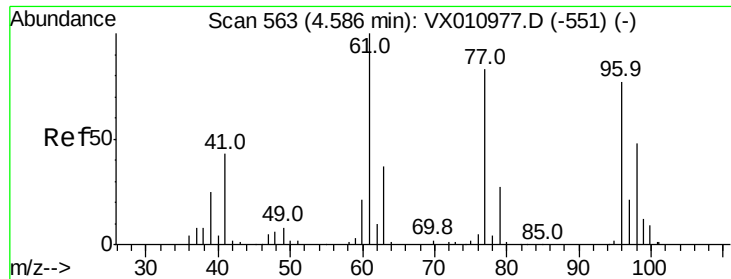
MMDadoda
 7/19/2019 9:56:45 AM



#30
 2-Butanone
 Concen: 99.674 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.1	6.8	10.2
72	28.6	23.2	34.8





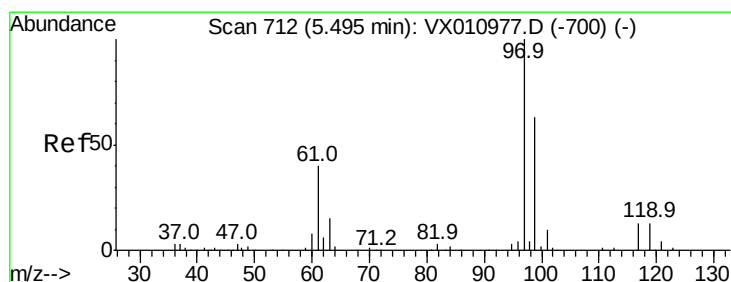
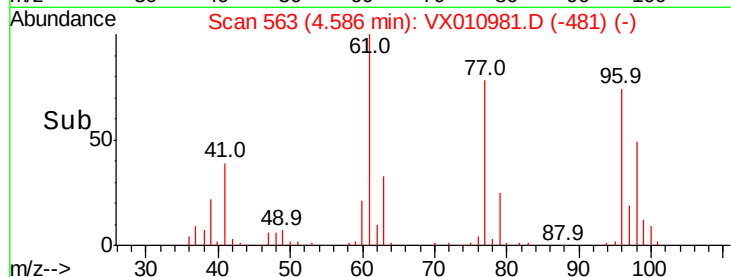
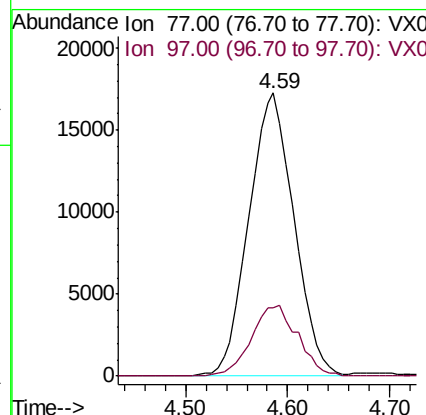
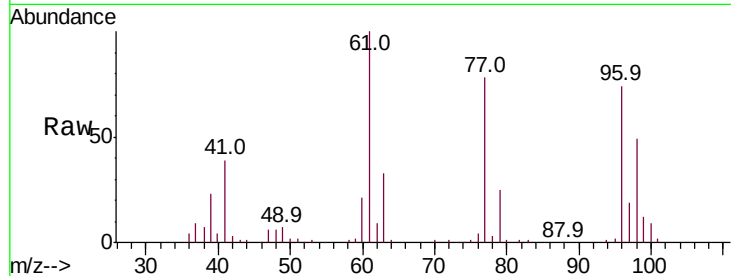
#31
 2,2-Dichloropropane
 Concen: 19.486 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion	Ratio	Lower	Upper
77	100		
97	25.6	20.9	31.3

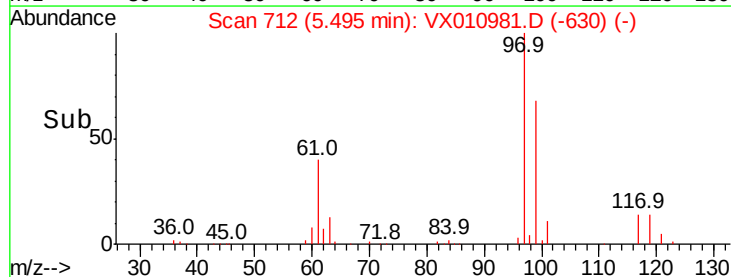
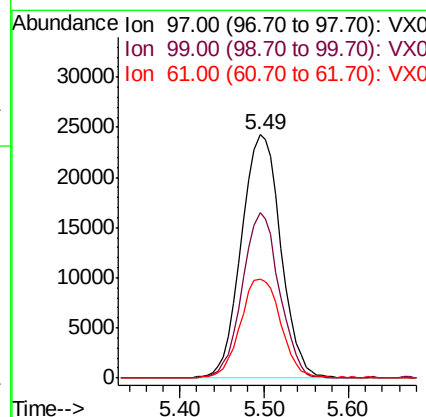
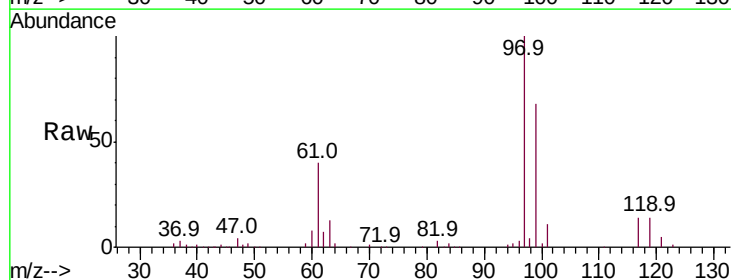
Manual Integrations
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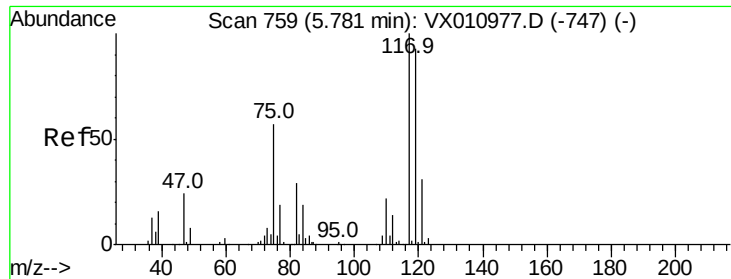
MMDadoda
 7/19/2019 9:56:45 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.437 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	41.8	34.3	51.5





#33

Carbon Tetrachloride

Concen: 20.293 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

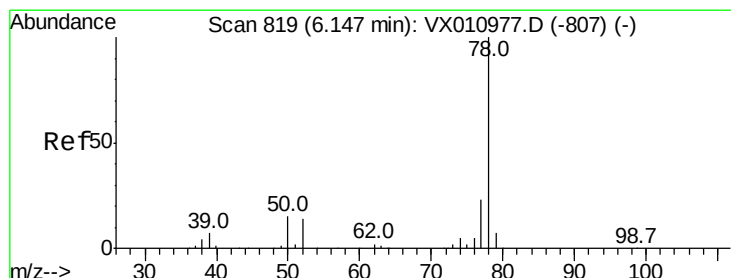
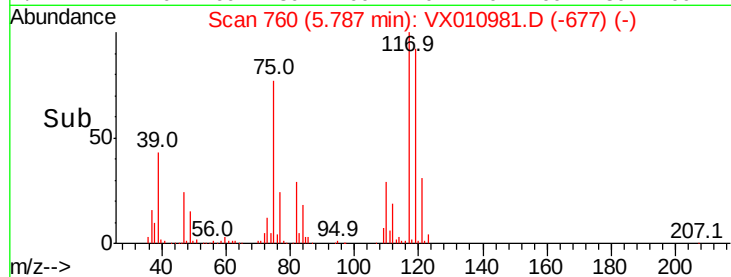
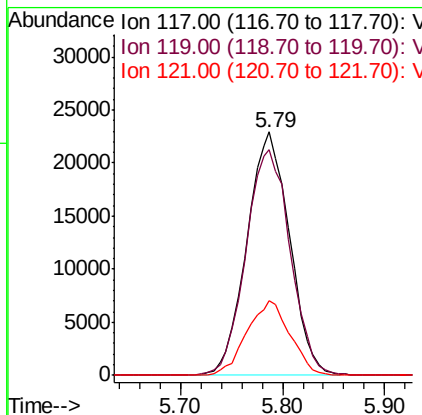
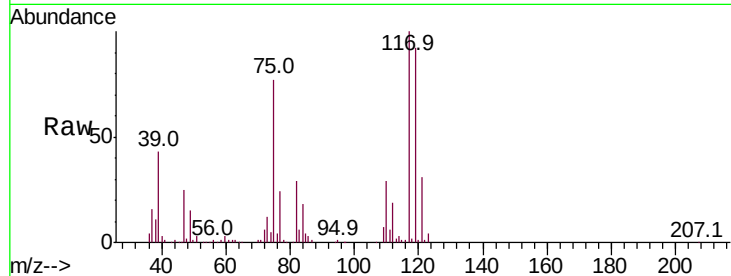
ClientSampleId :

ICVVN071919

Tot Ion:	117	Resp:	66469
Ion	Ratio	Lower	Upper
117	100		
119	92.5	74.3	111.5
121	30.5	24.9	37.3

Manual Integrations
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#34

Benzene

Concen: 20.309 ug/l

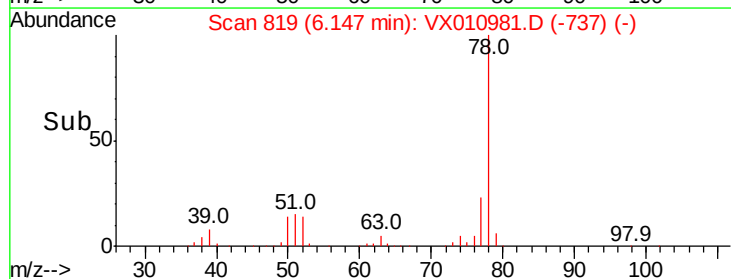
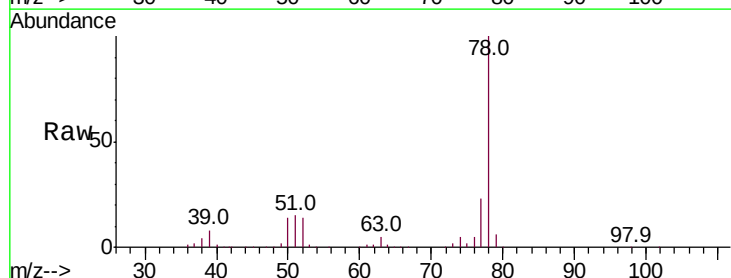
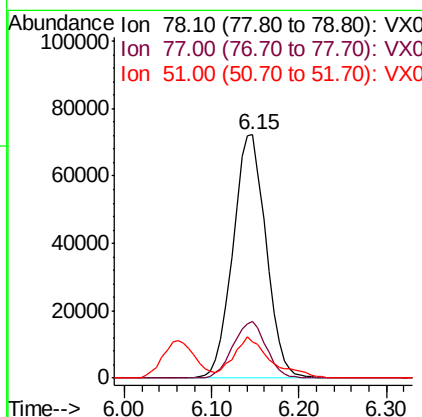
RT: 6.15 min Scan# 819

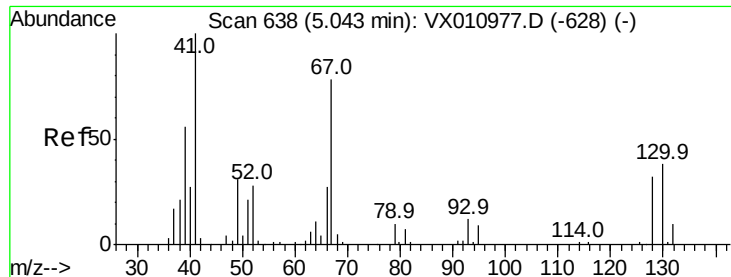
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	78	Resp:	190315
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.4
51	14.8	11.4	17.2





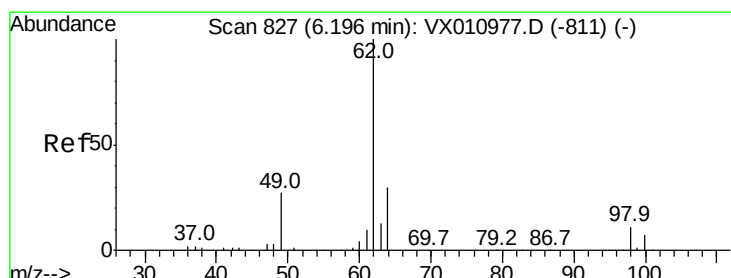
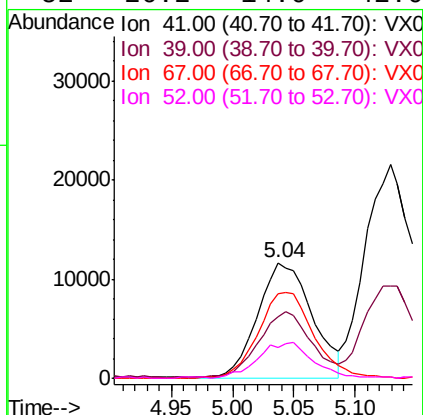
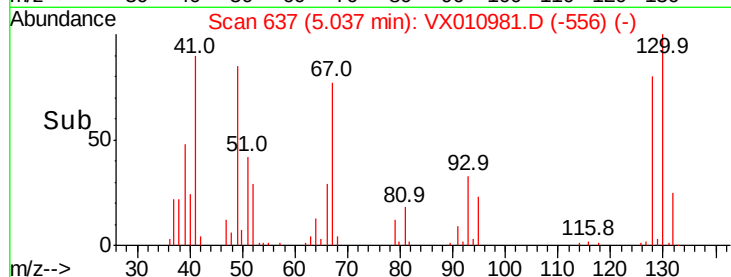
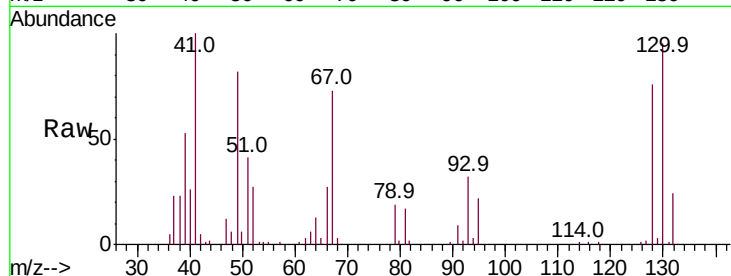
#35
Methacrylonitrile
Concen: 20.312 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	27.6	82.8	
67	73.6	39.1	117.2	
52	26.2	14.0	42.0	

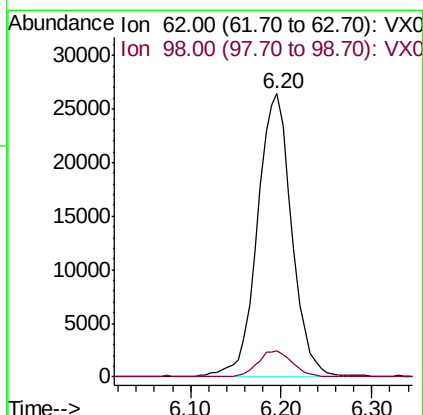
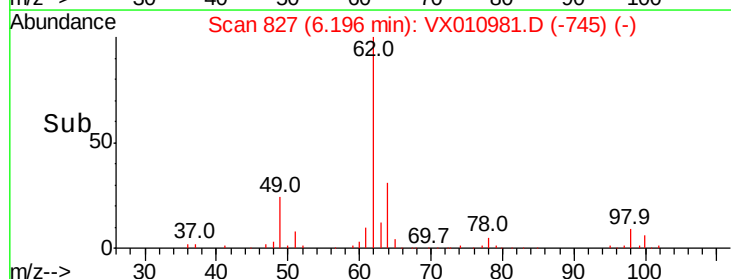
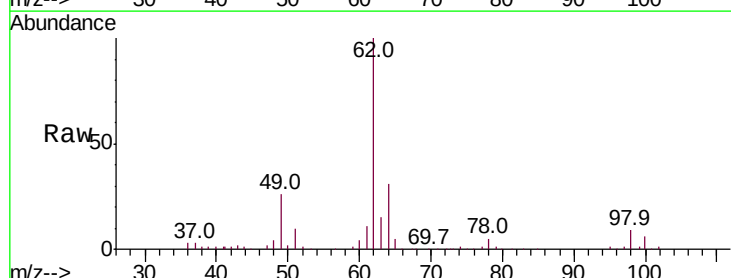
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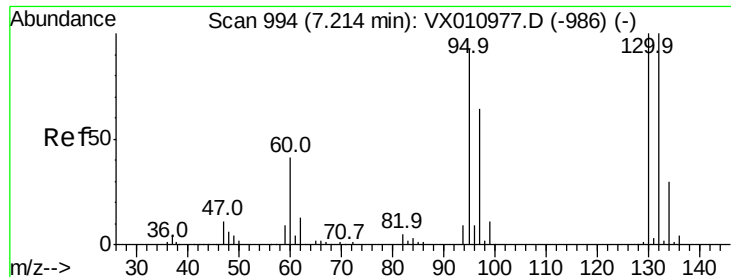
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#36
1,2-Dichloroethane
Concen: 20.642 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	8.0	12.0	





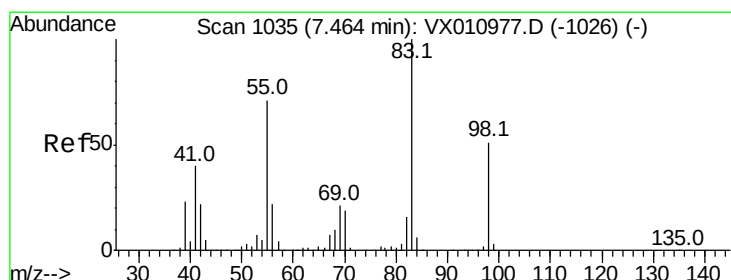
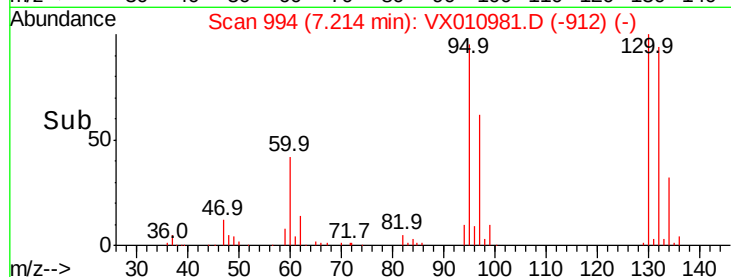
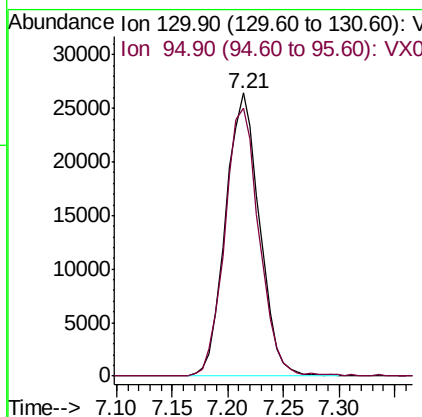
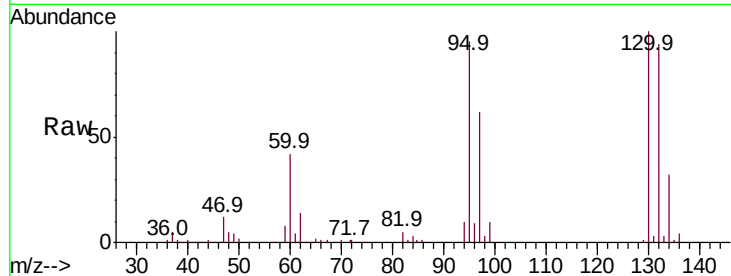
#37
 Trichloroethene
 Concen: 20.372 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion:130 Resp: 55890
 Ion Ratio Lower Upper
 130 100
 95 94.4 74.1 111.1

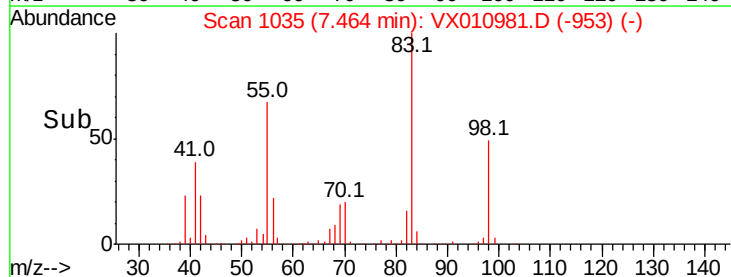
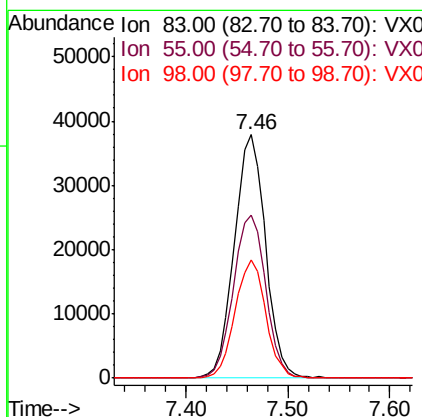
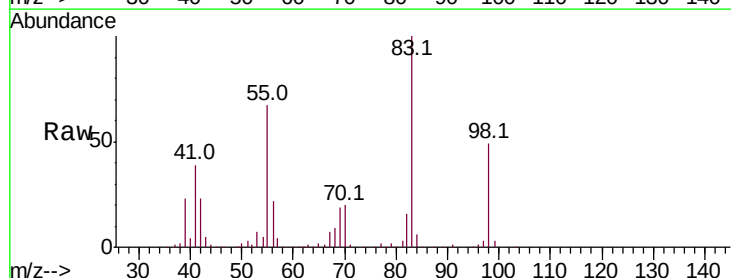
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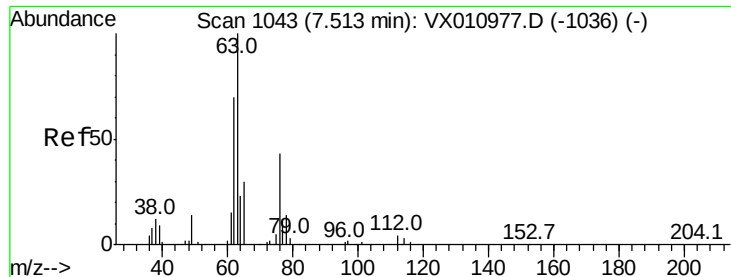
MMDadoda
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#38
 Methylcyclohexane
 Concen: 20.354 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion: 83 Resp: 80250
 Ion Ratio Lower Upper
 83 100
 55 69.5 35.3 105.9
 98 47.9 24.0 72.0





#39

1,2-Dichloropropane

Concen: 20.088 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion: 63 Resp: 47054

Ion Ratio Lower Upper

63 100

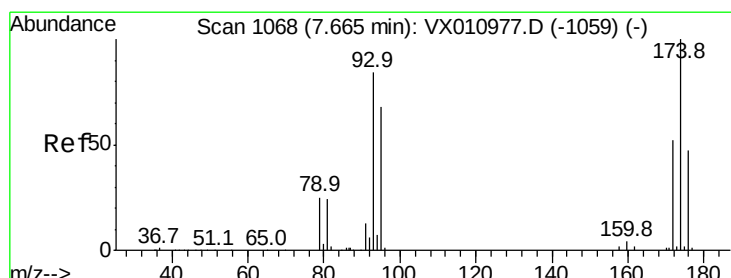
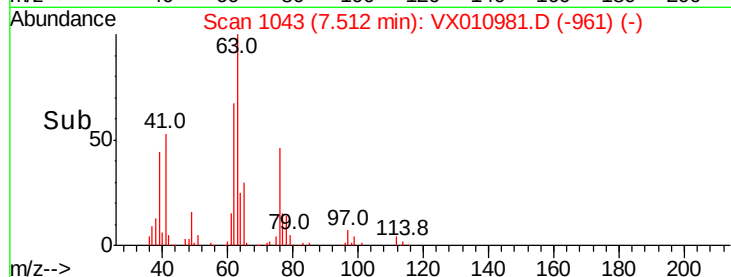
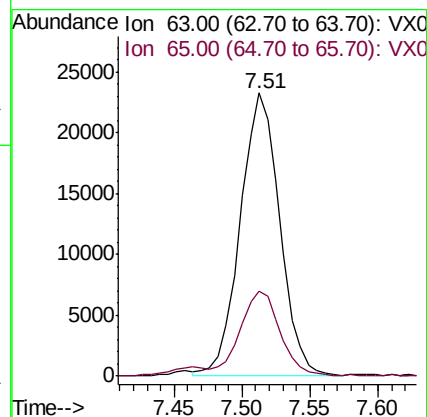
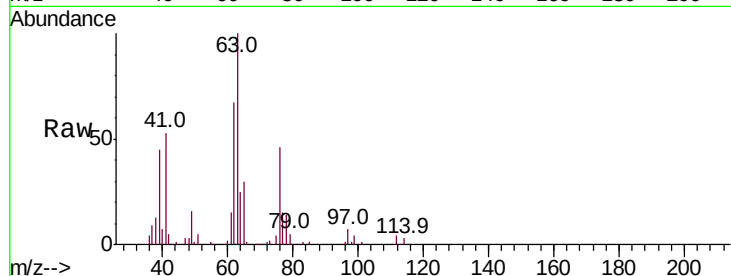
65 30.1 25.6 38.4

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#40

Dibromomethane

Concen: 20.549 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

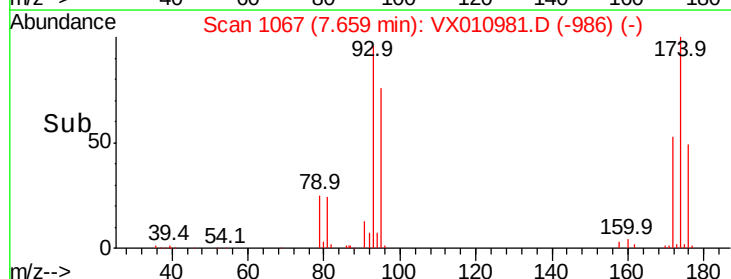
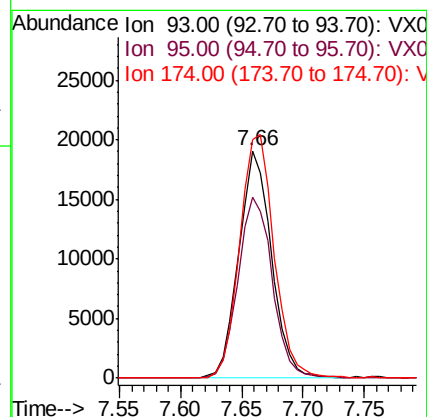
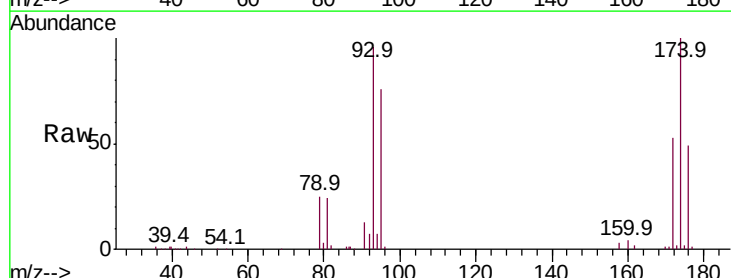
Tgt Ion: 93 Resp: 35401

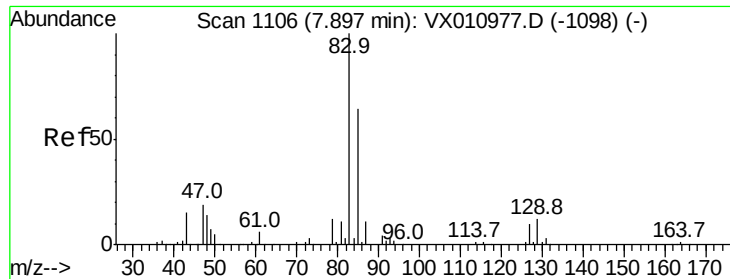
Ion Ratio Lower Upper

93 100

95 82.7 0.0 166.0

174 112.3 0.0 229.2





#41

Bromodichloromethane

Concen: 19.963 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

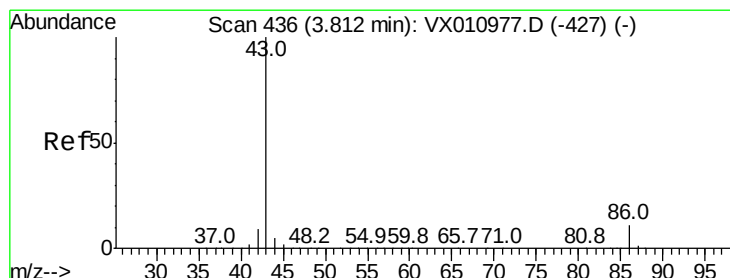
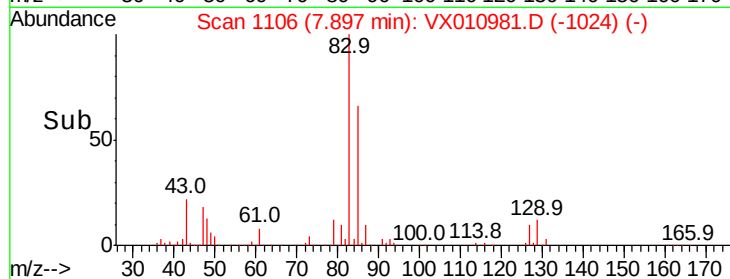
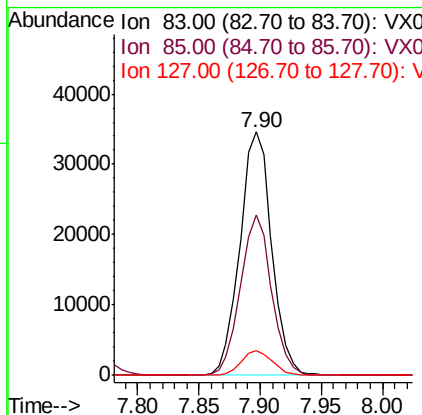
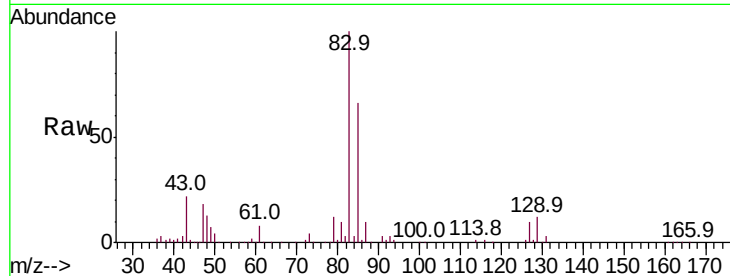
ClientSampleId :

ICVVN071919

Tot Ion:	83	Resp:	62597
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.9	76.3
127	10.3	7.7	11.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 99.822 ug/l

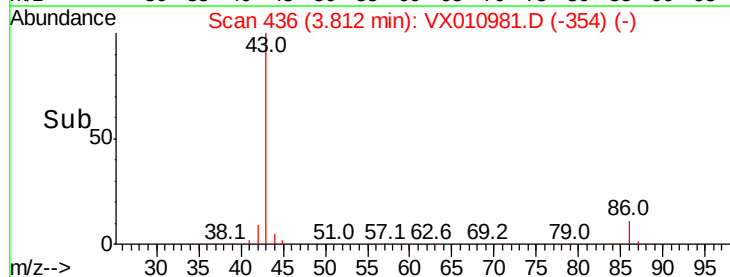
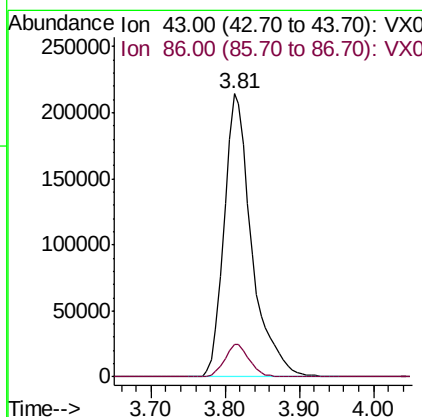
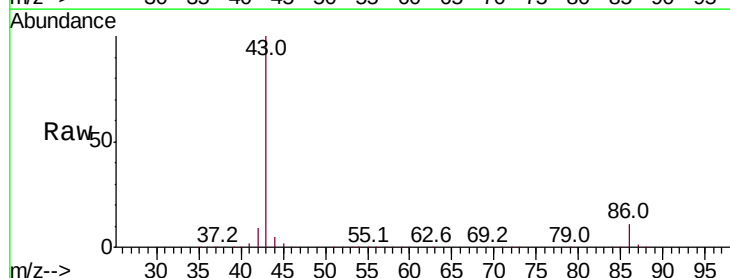
RT: 3.81 min Scan# 436

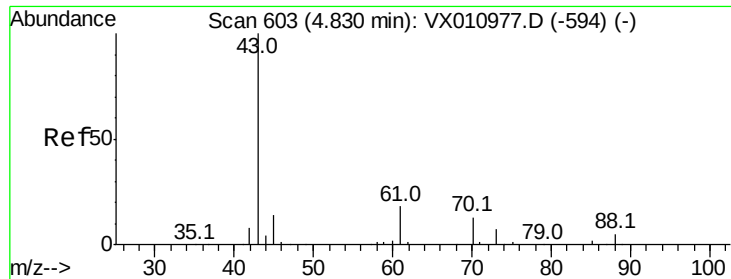
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	43	Resp:	554593
Ion Ratio	Lower	Upper	
43	100		
86	10.3	8.2	12.2





#43

Ethyl Acetate

Concen: 19.913 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion: 43 Resp: 64458

Ion Ratio Lower Upper

43 100

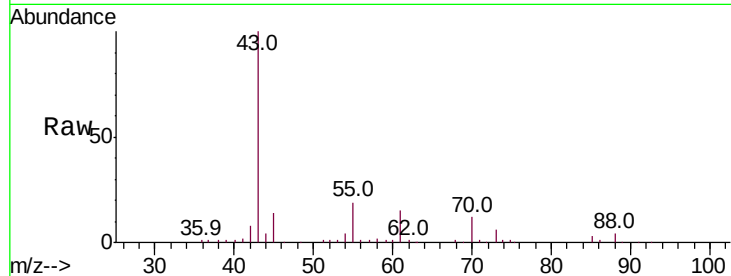
45 15.7 12.1 18.1

Manual Integrations

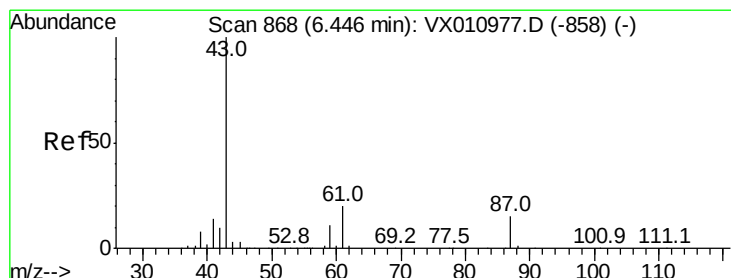
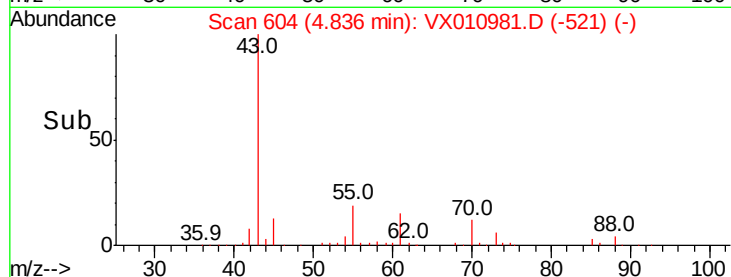
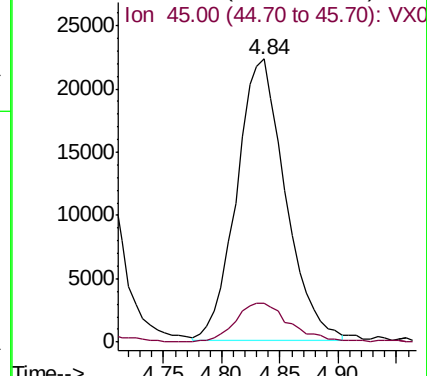
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7/19/2019 9:56:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0



#44

Isopropyl Acetate

Concen: 19.694 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010981.D

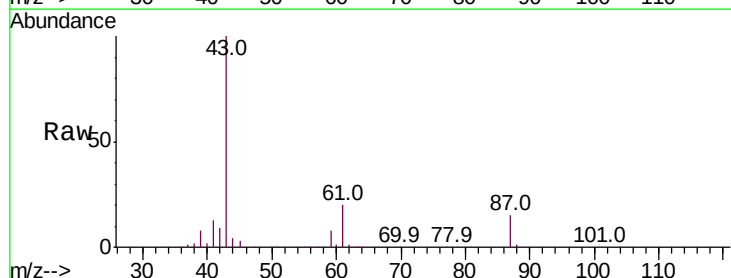
Acq: 19 Jul 2019 00:18

Tgt Ion: 43 Resp: 103835

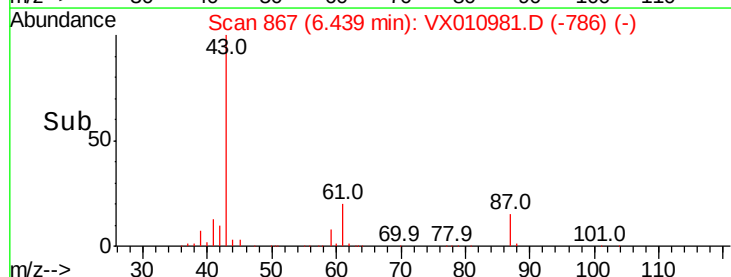
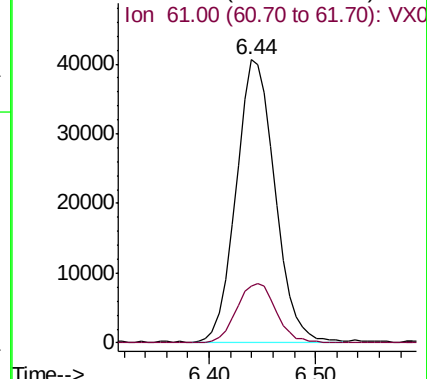
Ion Ratio Lower Upper

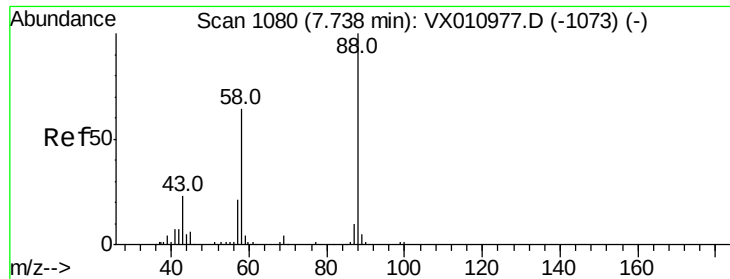
43 100

61 21.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0





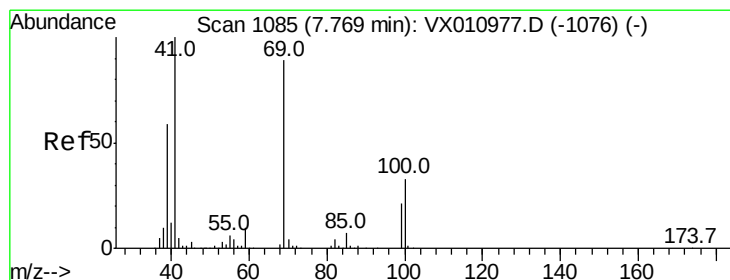
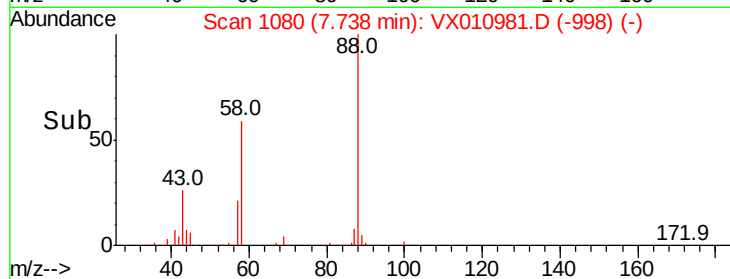
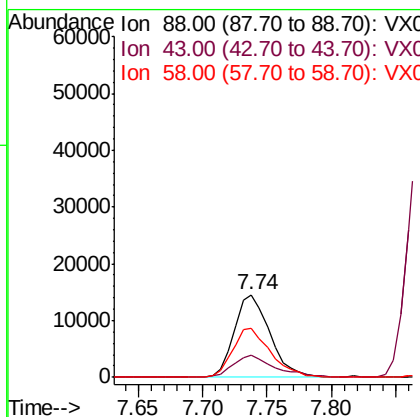
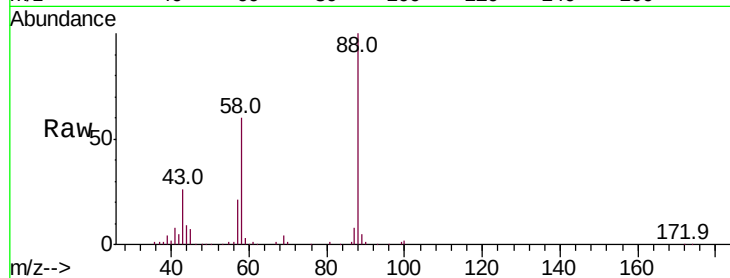
#45
 1,4-Dioxane
 Concen: 407.339 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion	Ratio	Resp	Lower	Upper
88	100	27953		
43	28.8		21.6	32.4
58	64.2		52.2	78.2

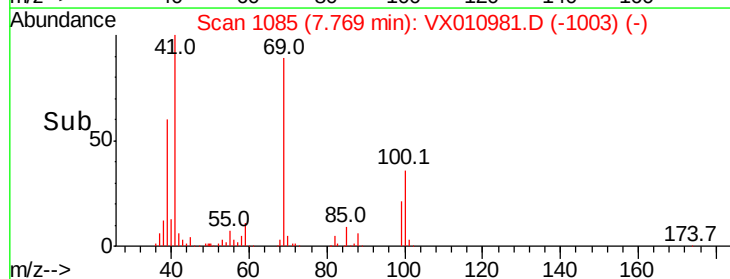
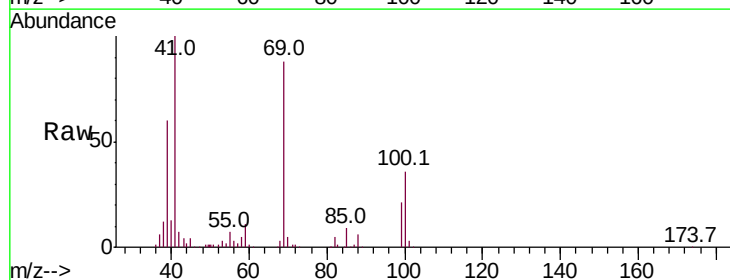
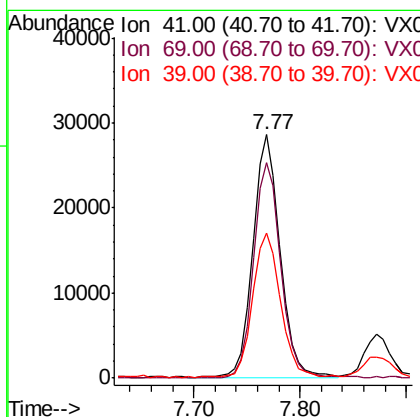
Manual Integrations
 APPROVED

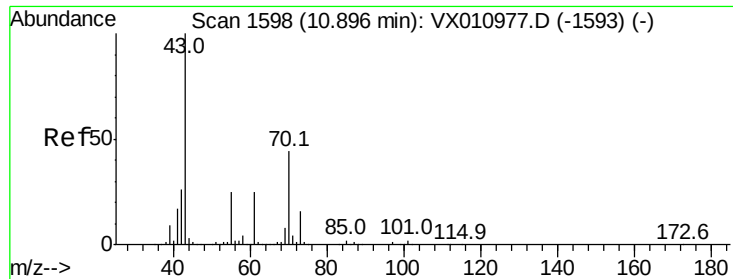
MMDadoda
 7/19/2019 9:56:45 AM



#46
 Methyl methacrylate
 Concen: 19.826 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	50736		
69	88.7		44.7	134.1
39	59.4		29.4	88.2





#47

n-amvl Acetate

Concen: 19.601 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion: 43 Resp: 92684

Ion Ratio Lower Upper

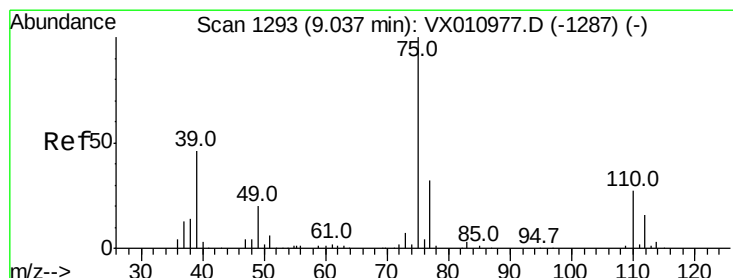
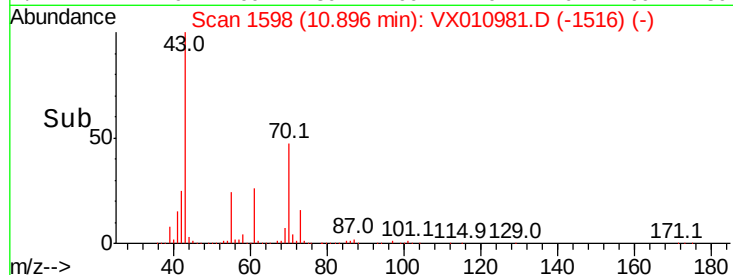
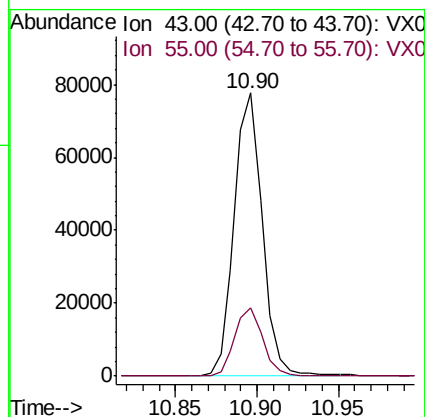
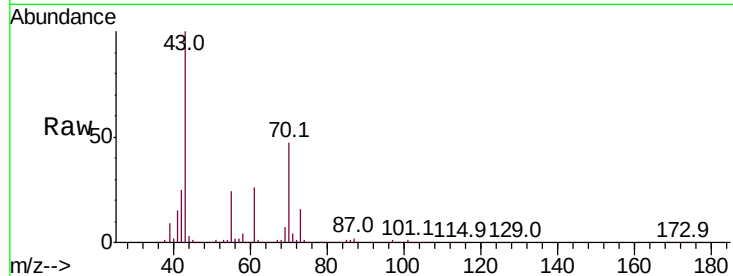
43 100

55 24.3 19.6 29.4

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 19.487 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010981.D

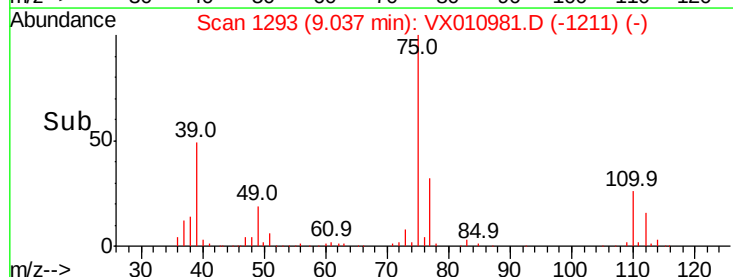
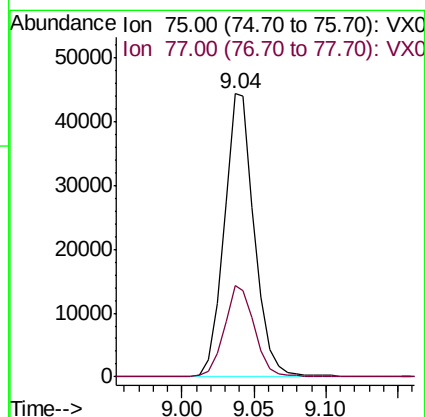
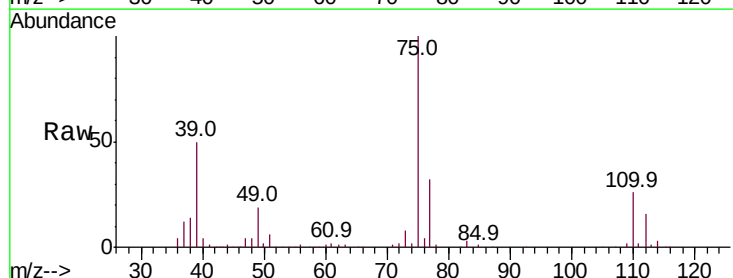
Acq: 19 Jul 2019 00:18

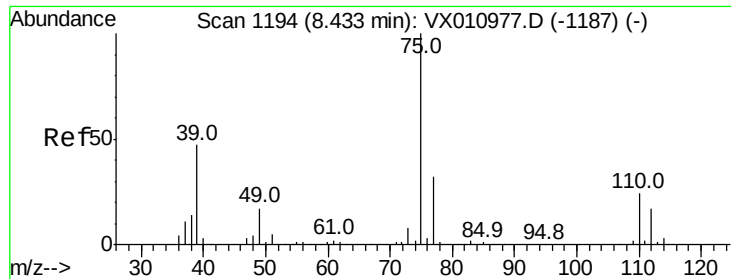
Tgt Ion: 75 Resp: 64400

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5





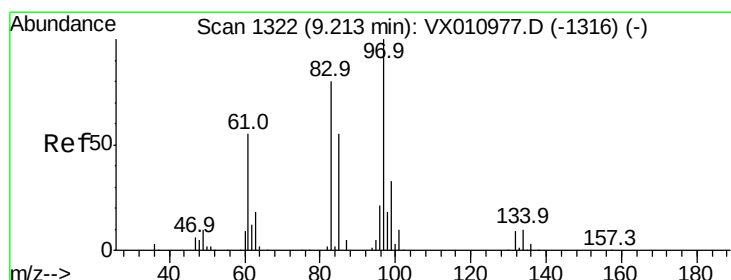
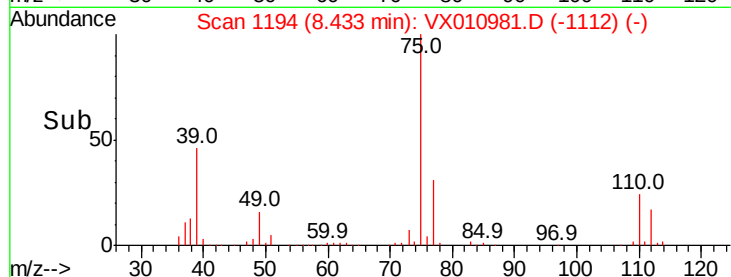
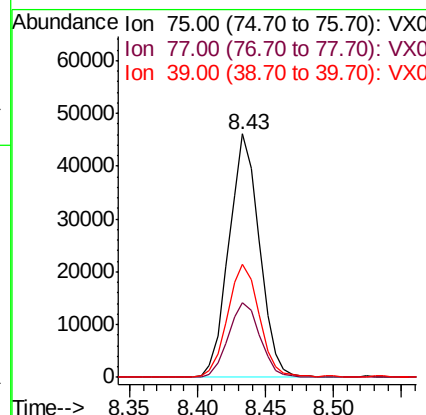
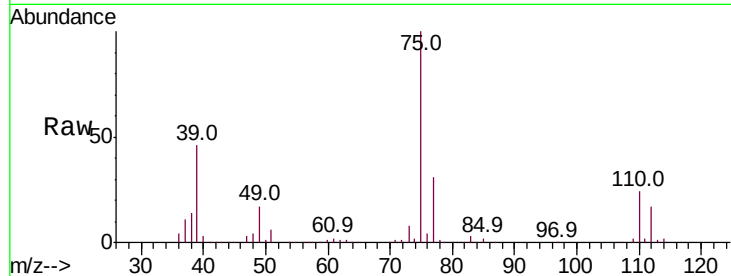
#49
 cis-1,3-Dichloropropene
 Concen: 19.981 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9
39	46.2	37.8	56.6

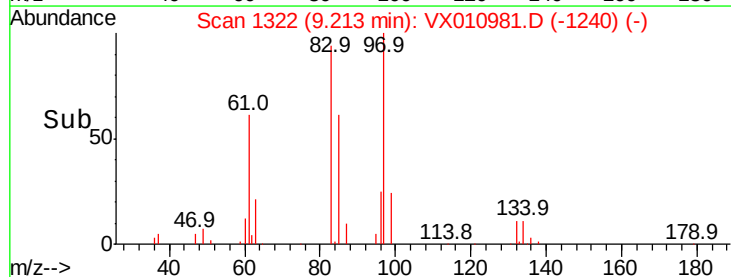
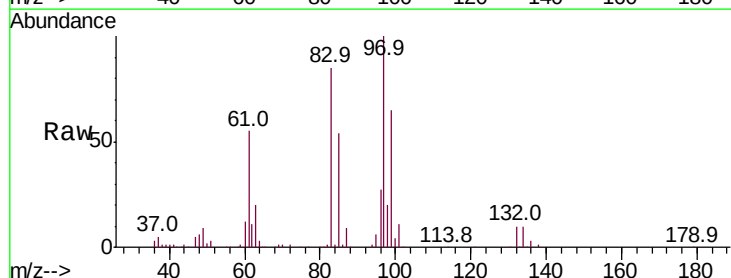
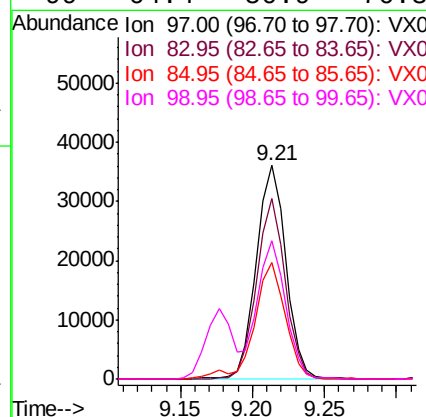
Manual Integrations
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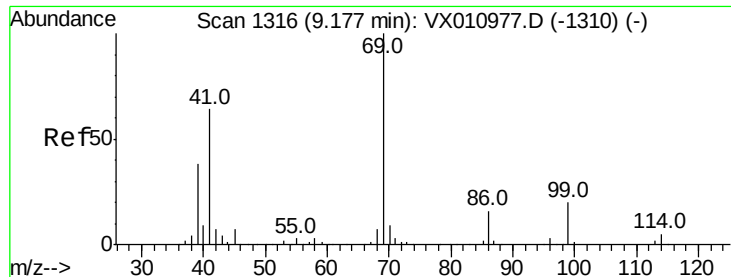
MMDadoda
 7/19/2019 9:56:45 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.325 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	63.9	95.9
85	54.5	43.4	65.2
99	64.4	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.519 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

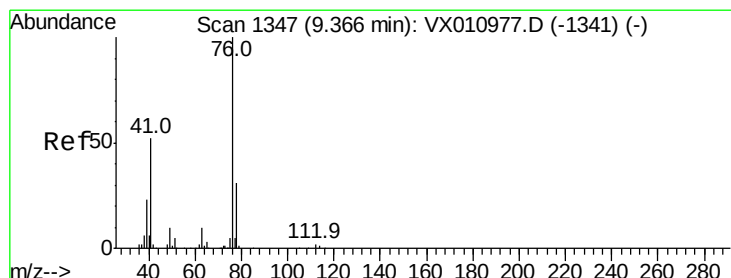
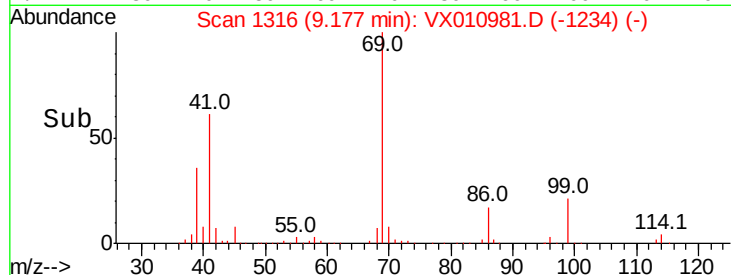
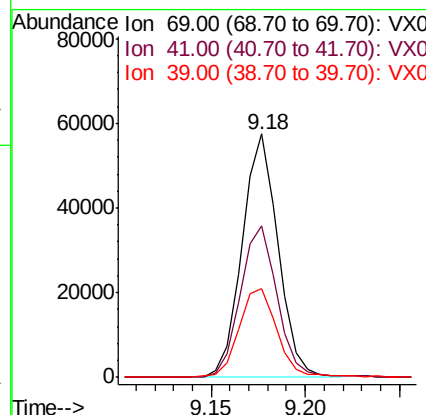
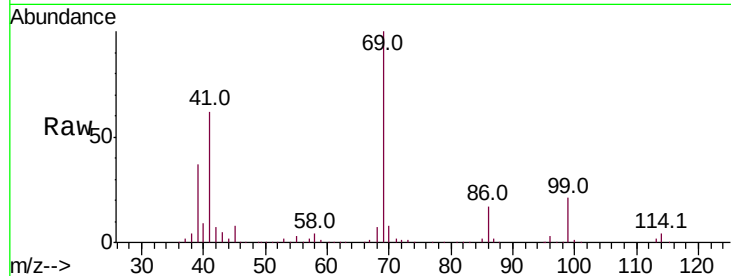
ClientSampleId :

ICVVN071919

Tot Ion	Ratio	Lower	Upper
69	100		
41	61.9	32.1	96.3
39	36.4	19.1	57.3

Manual Integrations
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7/19/2019 9:56:45 AM



#52

1,3-Dichloropropane

Concen: 19.746 ug/l

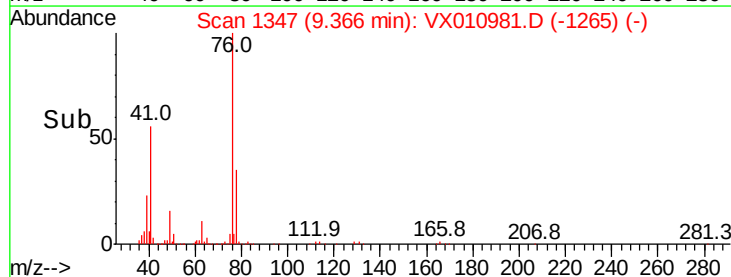
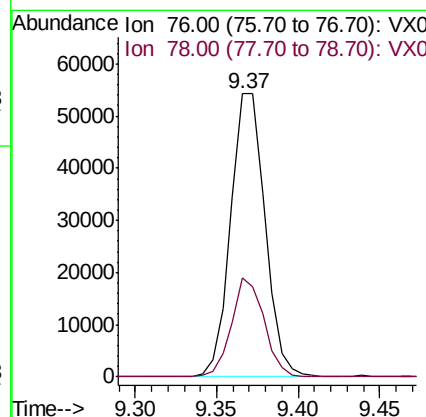
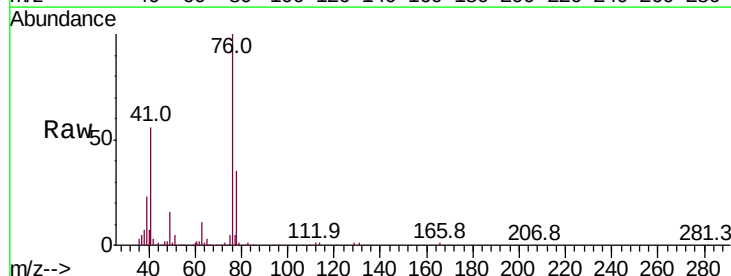
RT: 9.37 min Scan# 1347

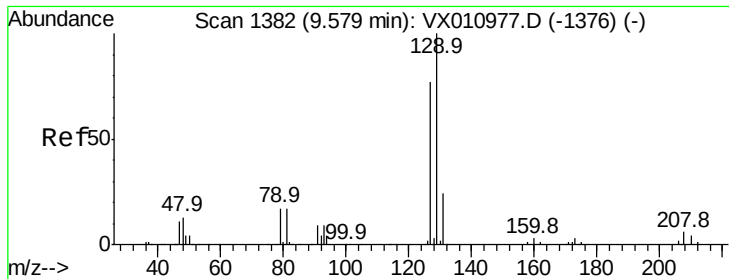
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	63.8





#53

Dibromochloromethane

Concen: 19.235 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion:129 Resp: 52376

Ion Ratio Lower Upper

129 100

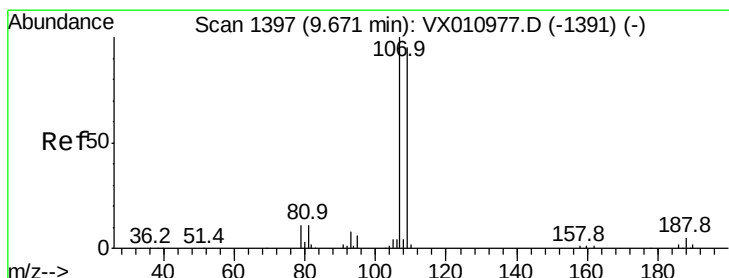
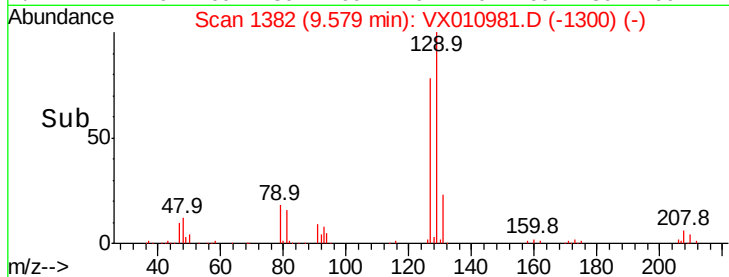
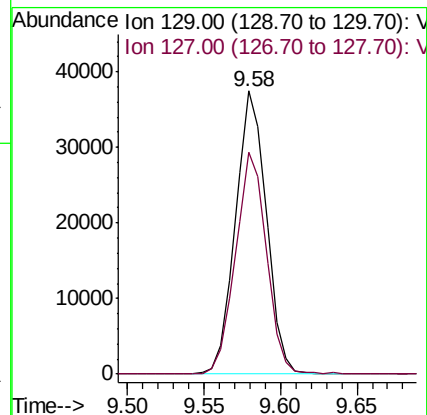
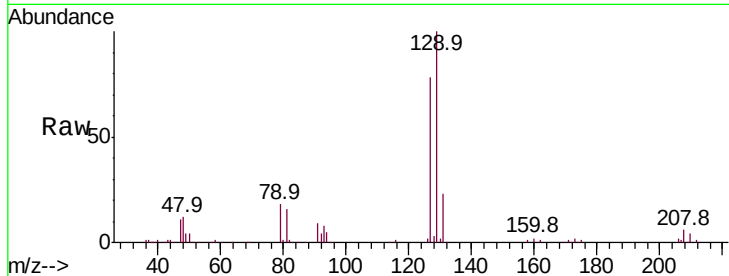
127 78.2 38.1 114.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 20.387 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010981.D

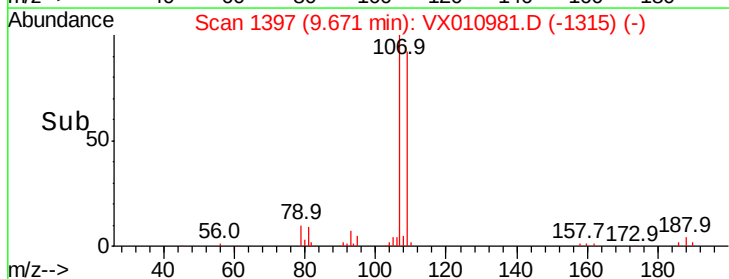
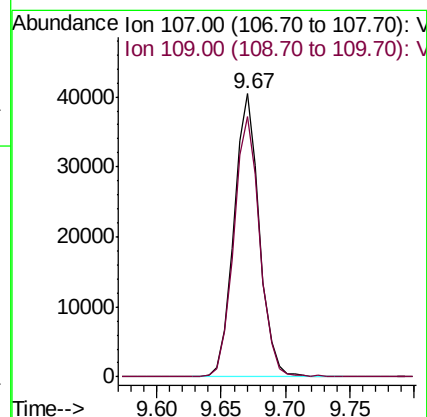
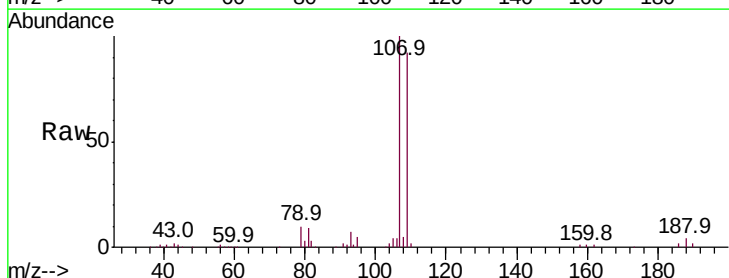
Acq: 19 Jul 2019 00:18

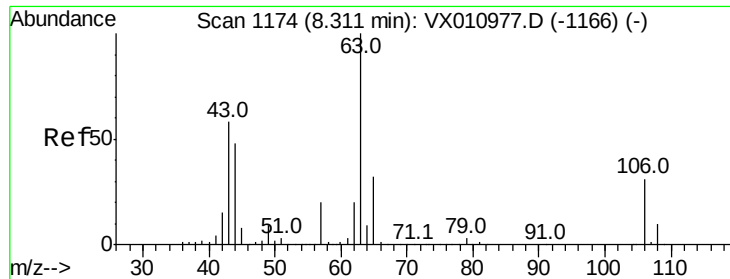
Tgt Ion:107 Resp: 55860

Ion Ratio Lower Upper

107 100

109 93.6 77.1 115.7





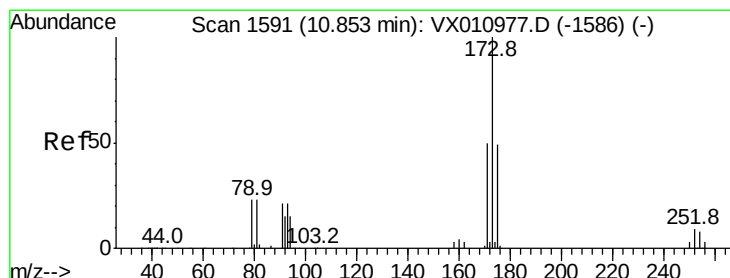
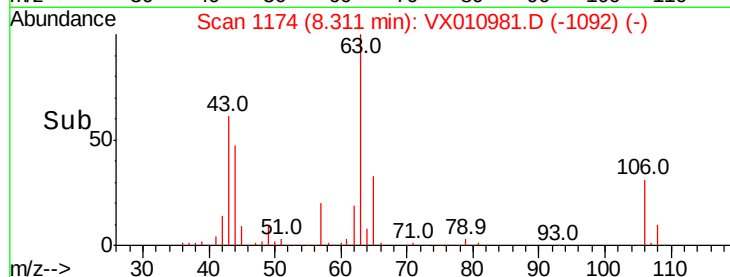
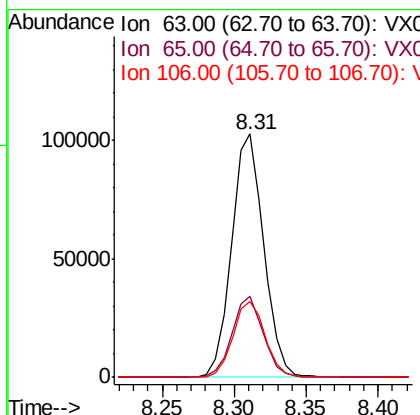
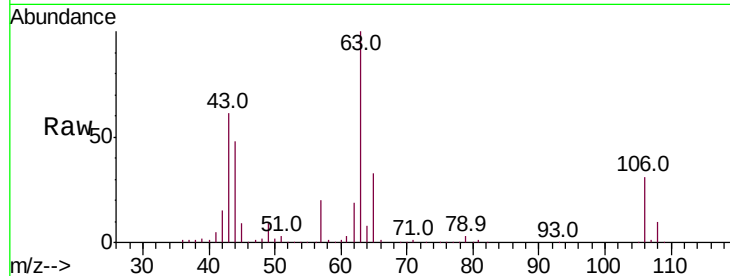
#55
2-Chloroethyl vinyl ether
Concen: 96.799 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.7	38.5
106	31.3	24.8	37.2

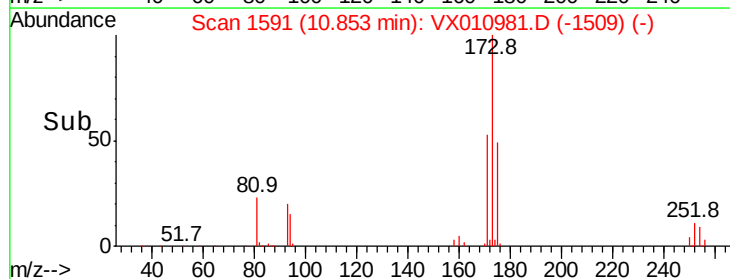
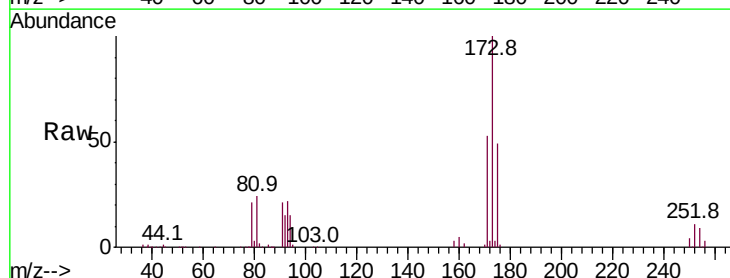
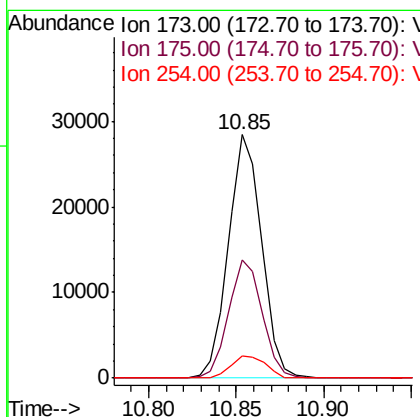
Manual Integrations
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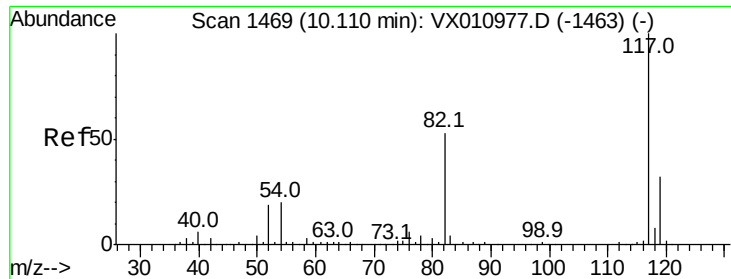
MMDadoda
7/19/2019 9:56:45 AM



#56
Bromoform
Concen: 18.566 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.6
254	9.5	7.9	11.9





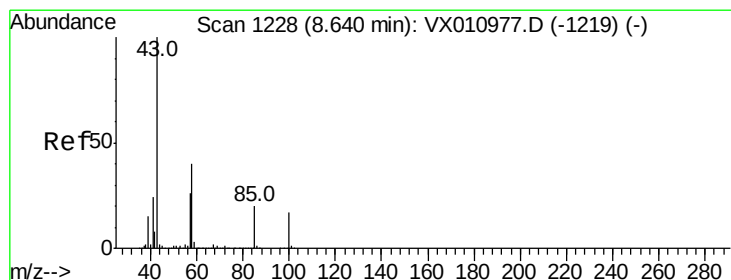
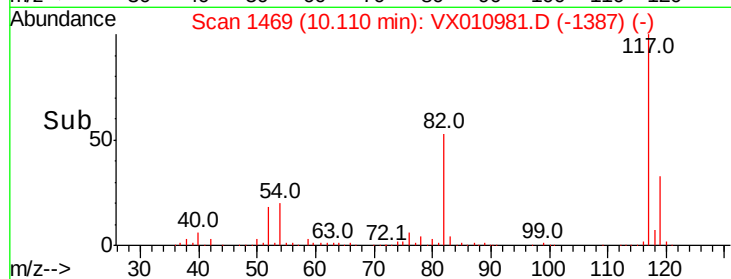
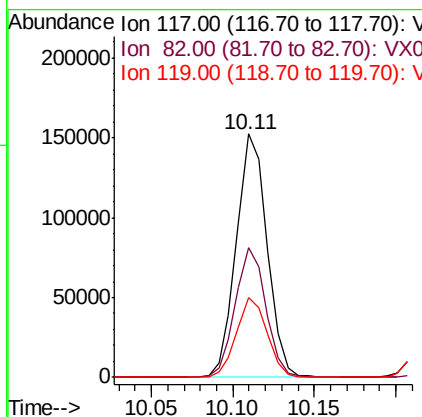
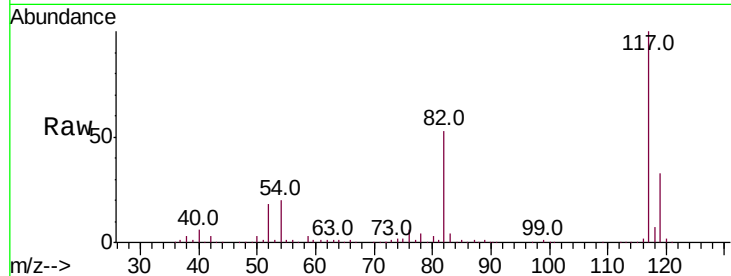
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.6	62.4
119	32.6	26.0	39.0

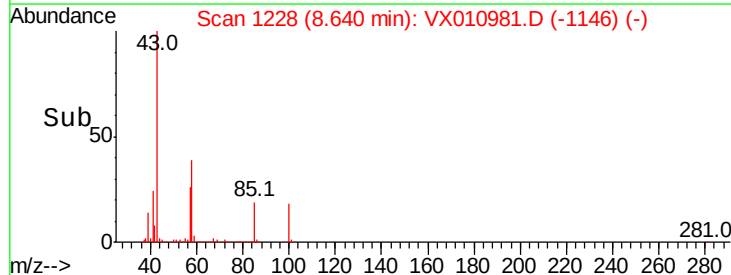
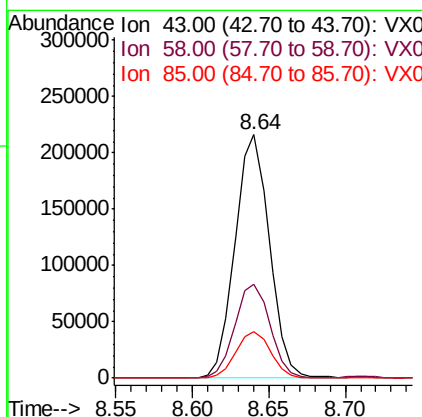
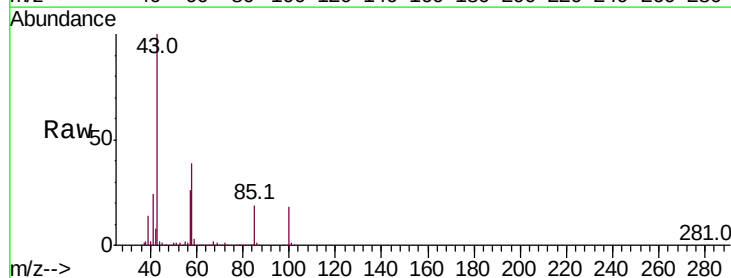
Manual Integrations
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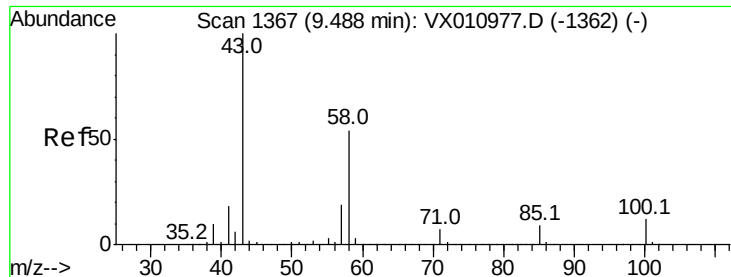
MMDadoda
7/19/2019 9:56:45 AM



#58
4-Methyl-2-Pentanone
Concen: 99.424 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	32.6	48.8
85	19.5	15.8	23.6





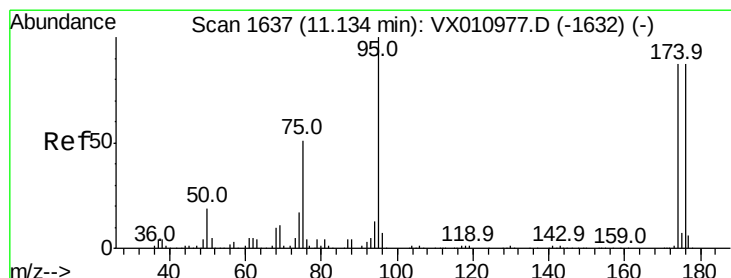
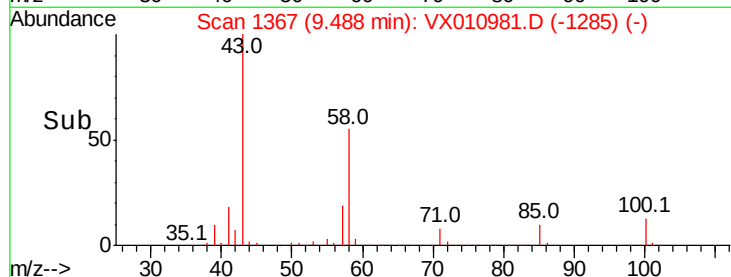
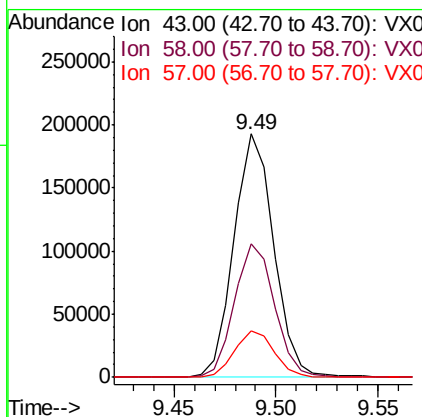
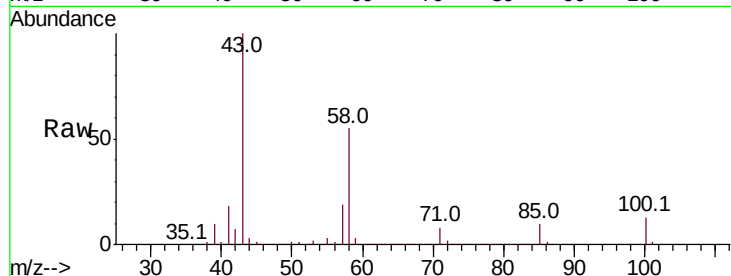
#59
2-Hexanone
Concen: 100.199 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.7	67.1
57	19.3	15.4	23.2

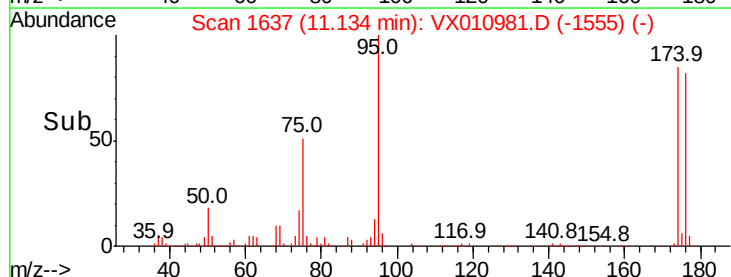
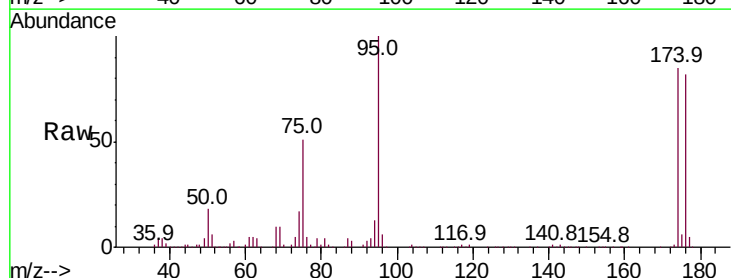
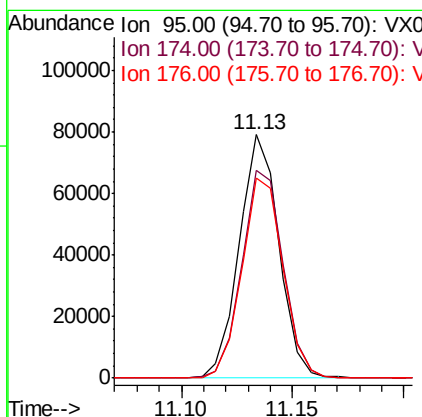
Manual Integrations
APPROVED

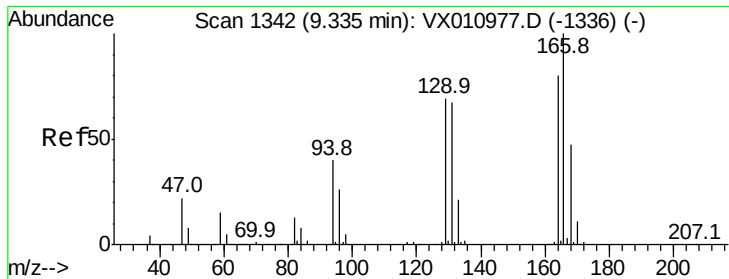
MMDadoda
7/19/2019 9:56:45 AM



#60
4-Bromofluorobenzene
Concen: 29.642 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	73.3	109.9
176	85.7	71.2	106.8





#61

Tetrachloroethene

Concen: 21.103 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion:164 Resp: 56118

Ion Ratio Lower Upper

164 100

166 129.6 100.1 150.1

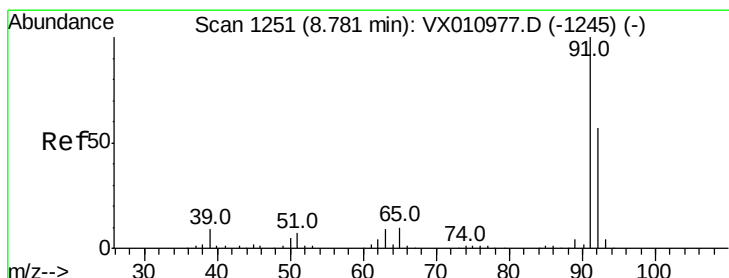
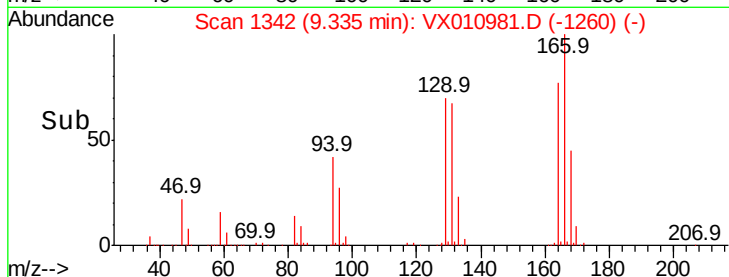
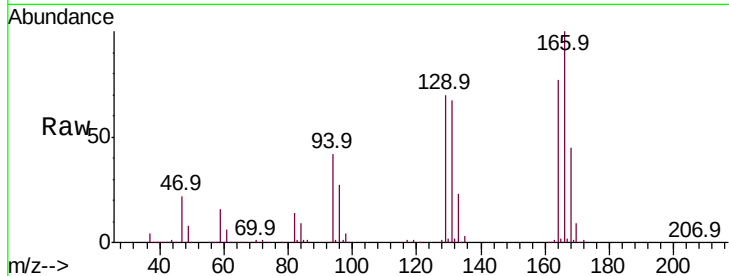
129 91.0 69.6 104.4

131 86.3 67.0 100.6

Manual Integrations
APPROVED

MMDadoda

7/19/2019 9:56:45 AM



#62

Toluene

Concen: 20.224 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010981.D

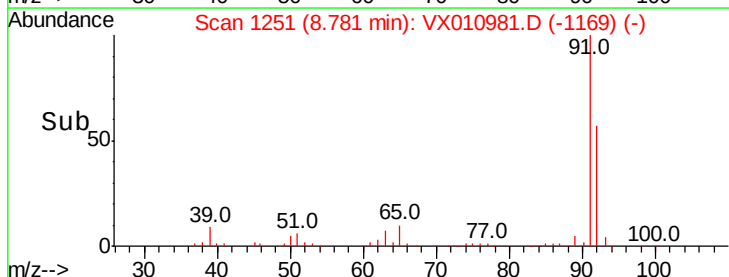
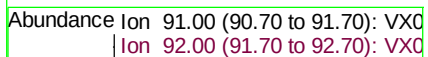
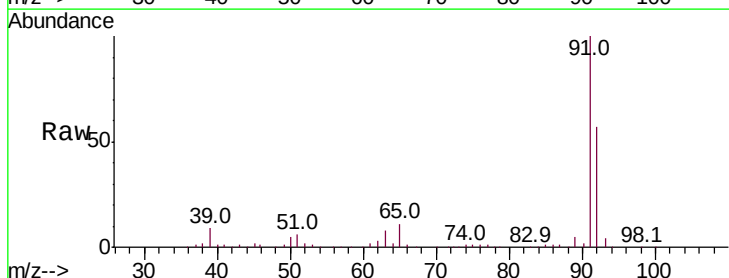
Acq: 19 Jul 2019 00:18

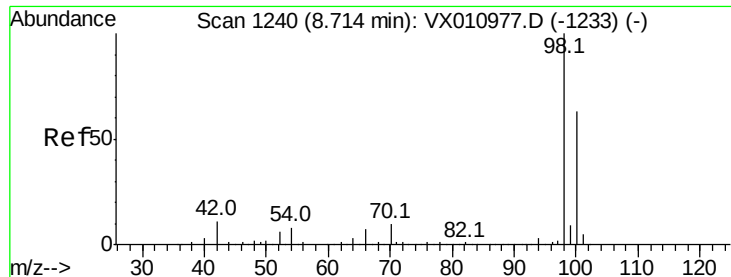
Tgt Ion: 91 Resp: 216383

Ion Ratio Lower Upper

91 100

92 57.5 45.4 68.2





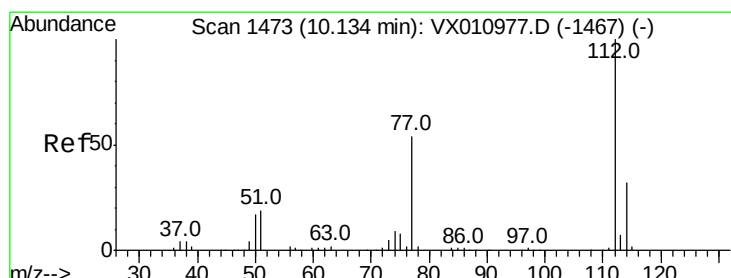
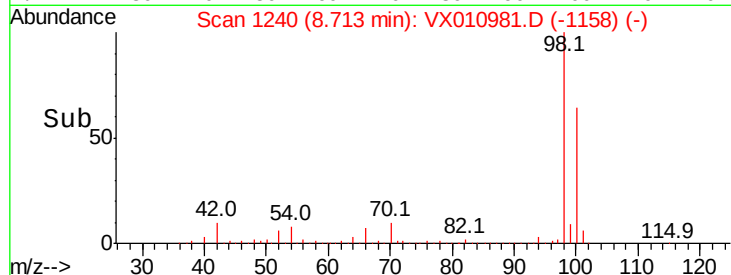
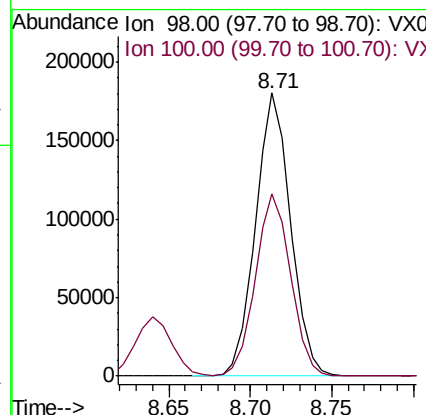
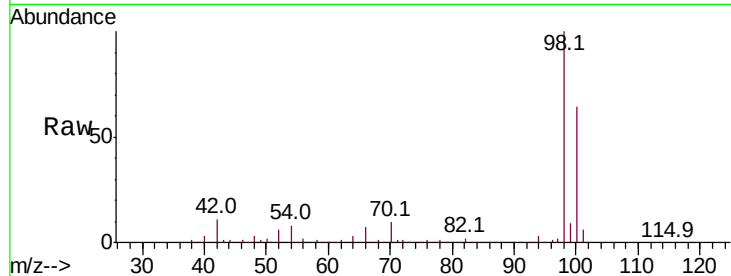
#63
Toluene-d8
Concen: 30.373 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion: 98 Resp: 268878
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

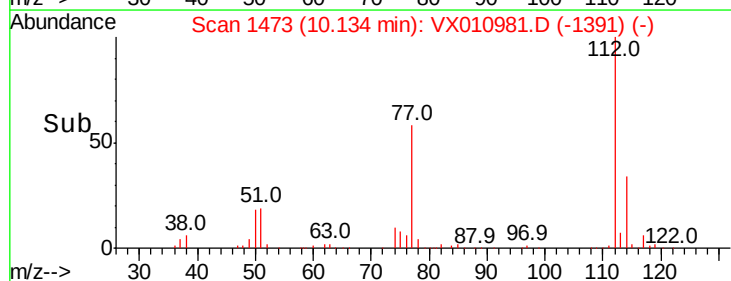
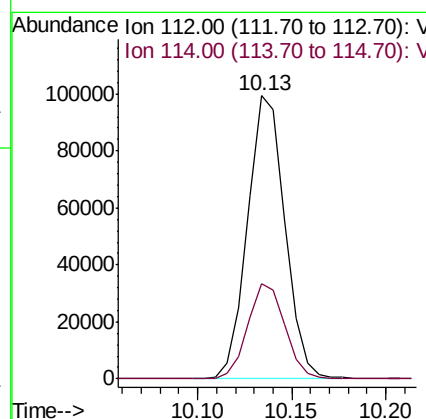
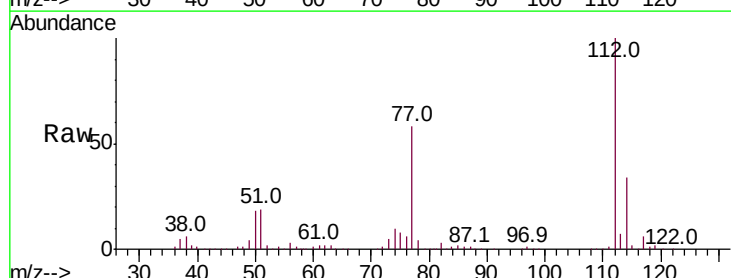
Manual Integrations
APPROVED

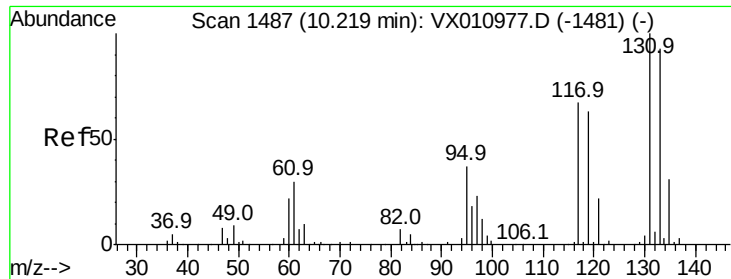
MMDadoda
7/19/2019 9:56:45 AM



#64
Chlorobenzene
Concen: 19.975 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion: 112 Resp: 136932
Ion Ratio Lower Upper
112 100
114 33.8 25.3 37.9





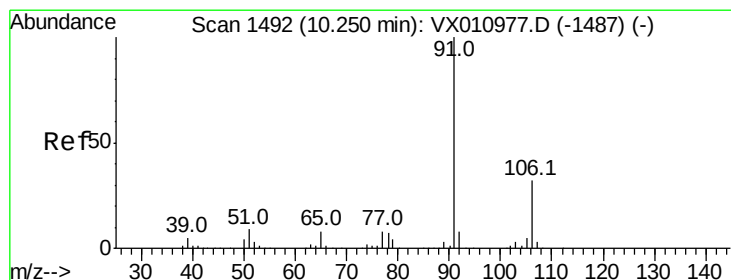
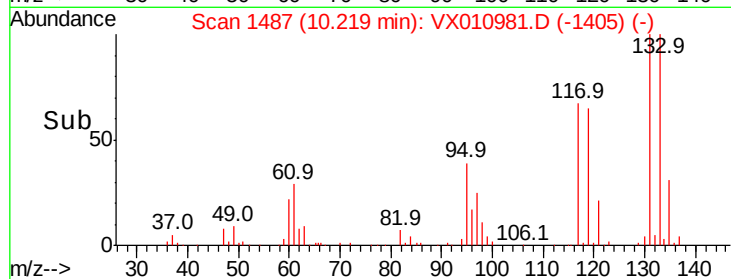
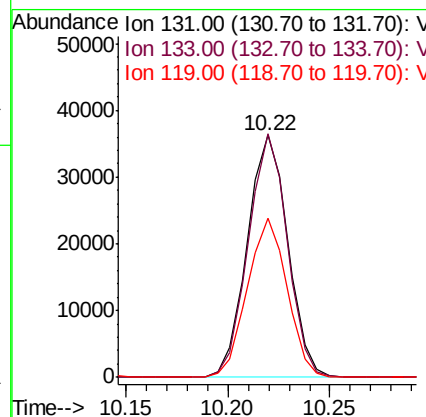
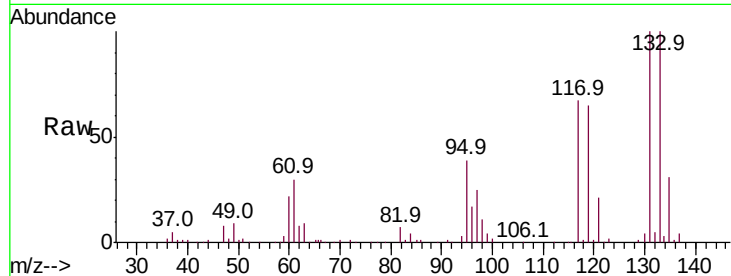
#65
1,1,1,2-Tetrachloroethane
Concen: 20.129 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.7	0.0	190.2
119	64.7	0.0	127.0

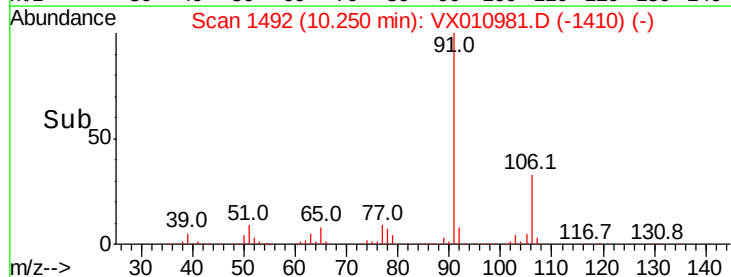
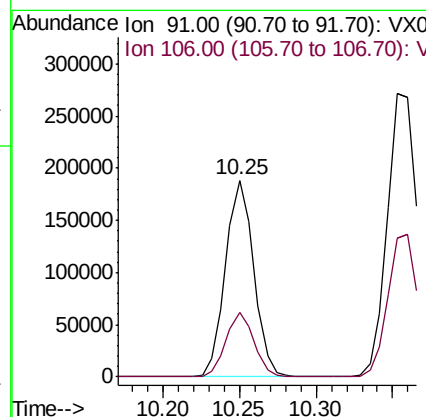
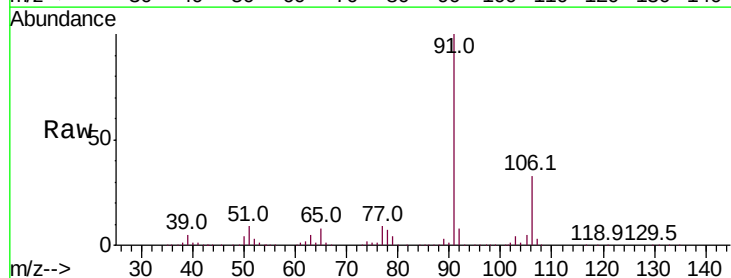
Manual Integrations
APPROVED

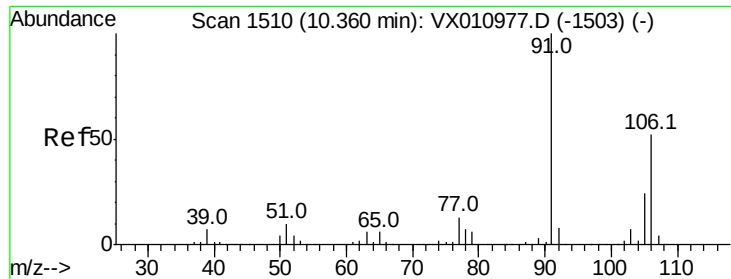
MMDadoda
7/19/2019 9:56:45 AM



#66
Ethyl Benzene
Concen: 20.008 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.8	38.8





#67

m/p-Xylenes

Concen: 40.496 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion:106 Resp: 186618

Ion Ratio Lower Upper

106 100

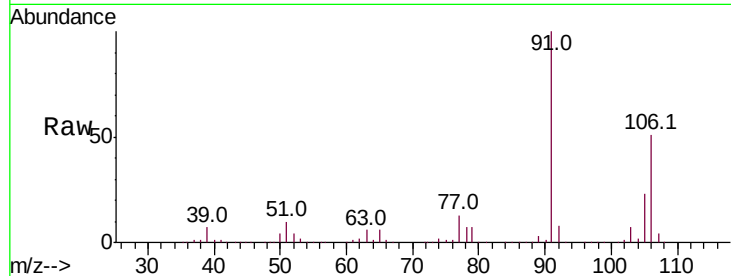
91 201.1 156.6 235.0

Manual Integrations

APPROVED

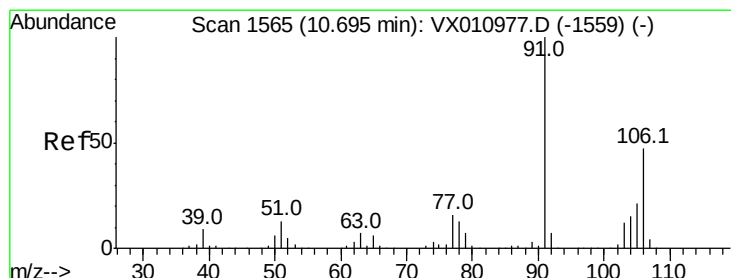
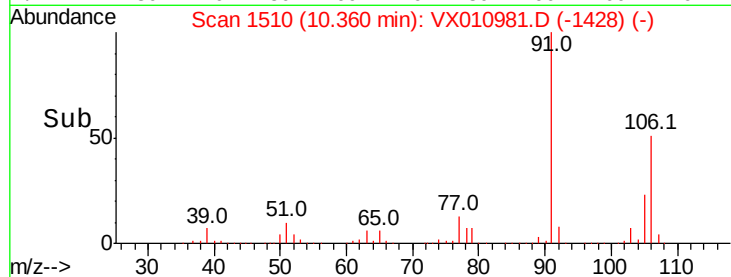
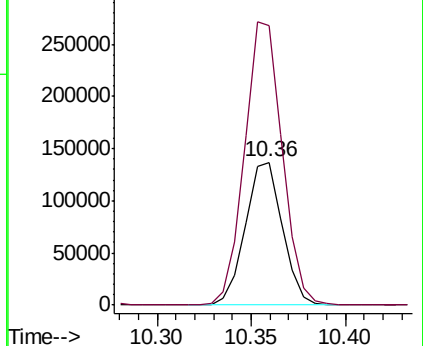
MMDadoda

7/19/2019 9:56:45 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.014 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX010981.D

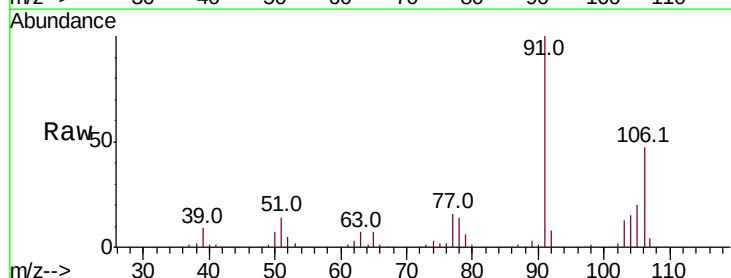
Acq: 19 Jul 2019 00:18

Tgt Ion:106 Resp: 90371

Ion Ratio Lower Upper

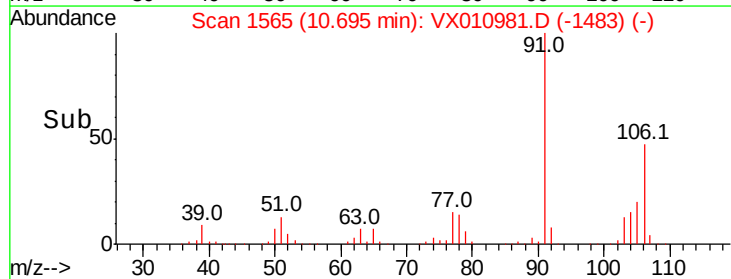
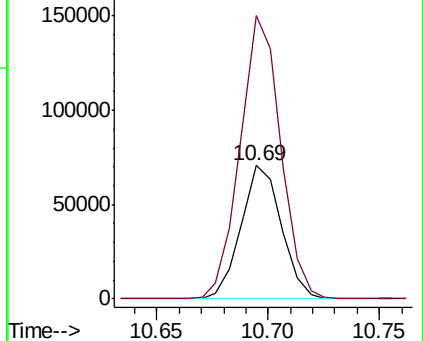
106 100

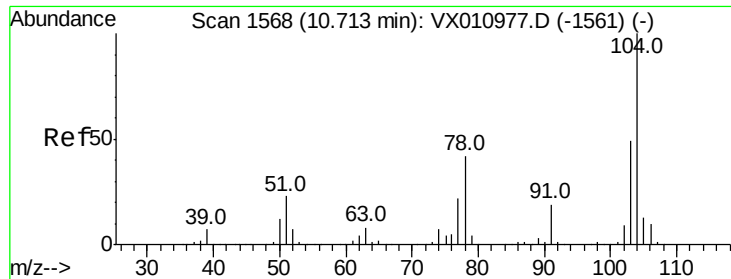
91 210.5 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





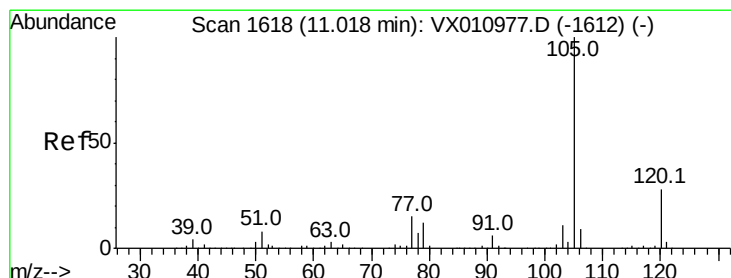
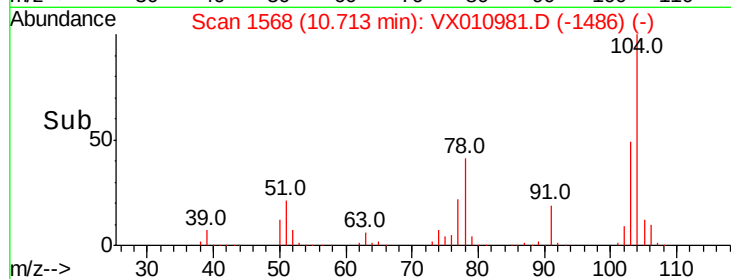
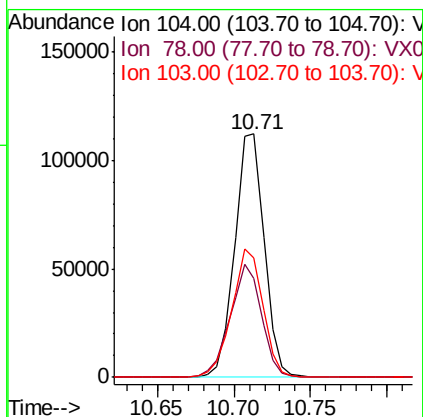
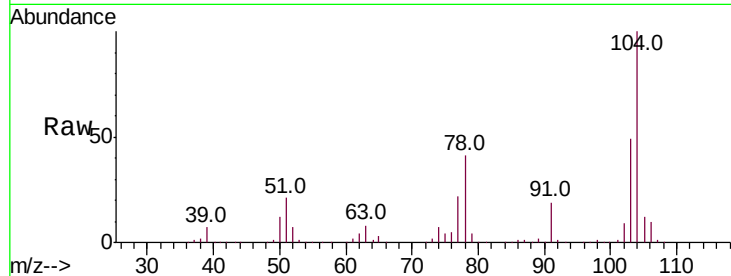
#69
Stvrene
Concen: 19.851 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	38.5	57.7
103	55.6	44.6	67.0

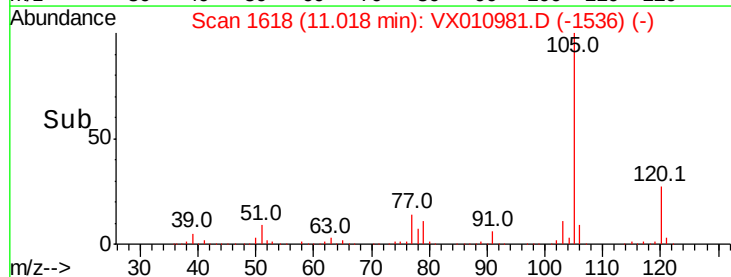
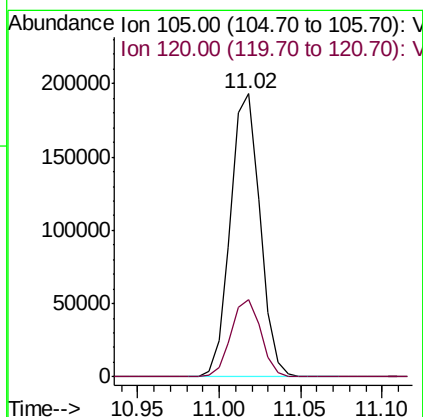
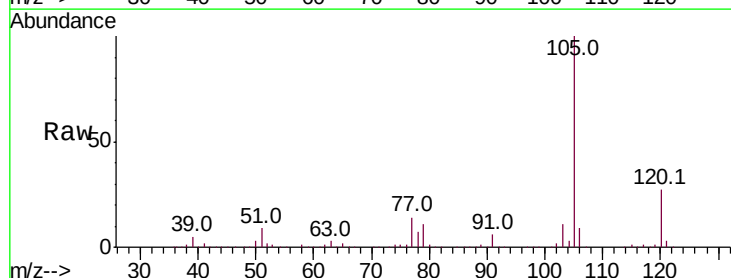
Manual Integrations
APPROVED

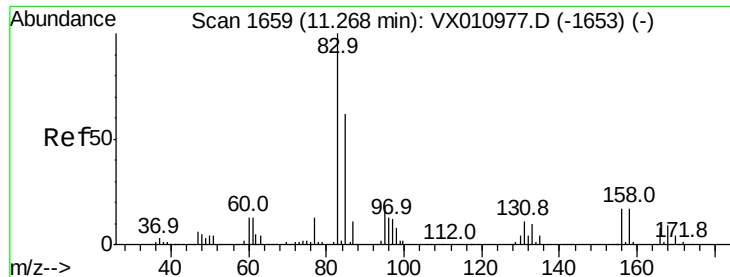
MMDadoda
7/19/2019 9:56:45 AM



#70
Isopropylbenzene
Concen: 20.323 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.4	36.0





#71

1,1,2,2-Tetrachloroethane

Concen: 20.053 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion: 83 Resp: 77746

Ion Ratio Lower Upper

83 100

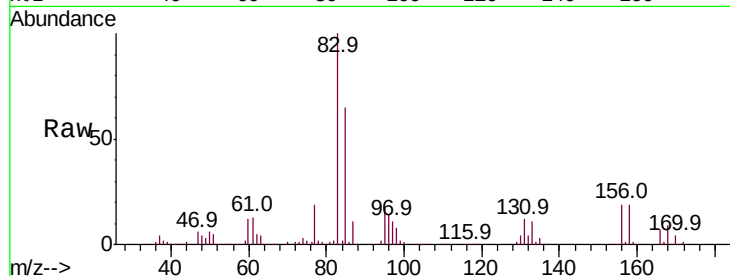
131 10.8 5.5 16.4

85 64.2 32.1 96.3

Manual Integrations
APPROVED

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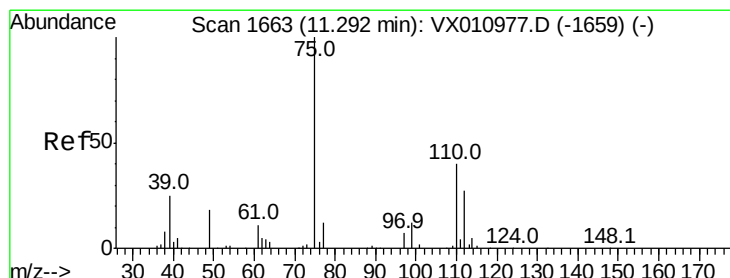
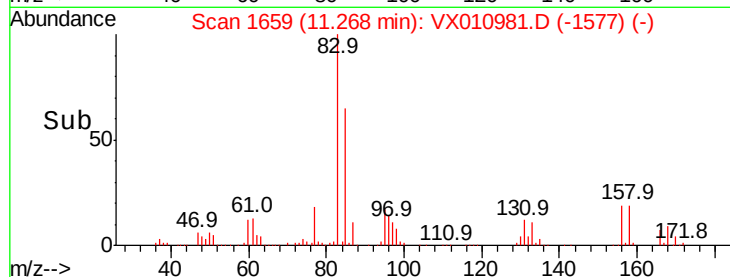
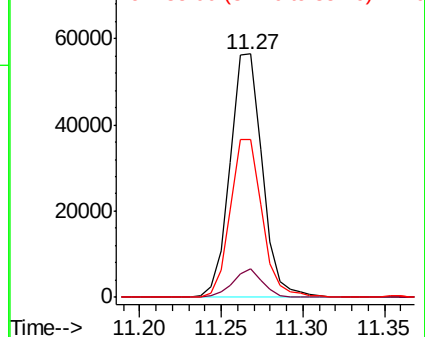
7/19/2019 9:56:45 AM



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: 20.445 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010981.D

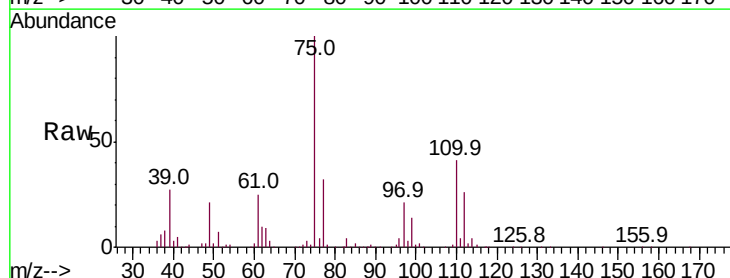
Acq: 19 Jul 2019 00:18

Tgt Ion: 75 Resp: 66164

Ion Ratio Lower Upper

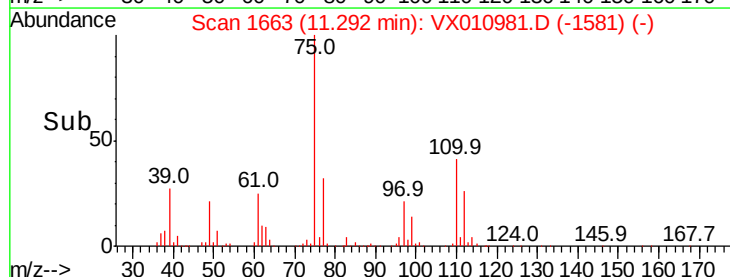
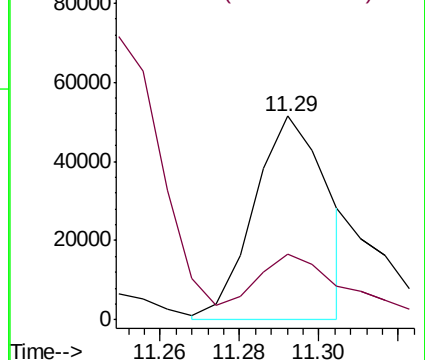
75 100

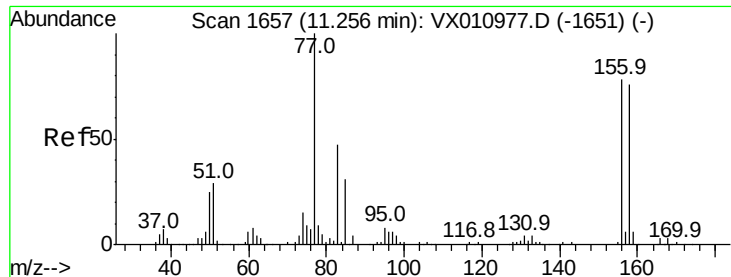
77 40.4 0.0 84.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 20.403 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

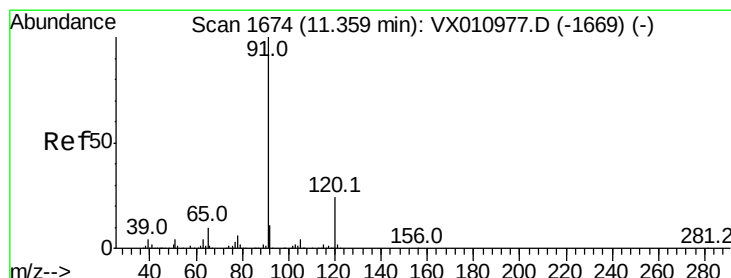
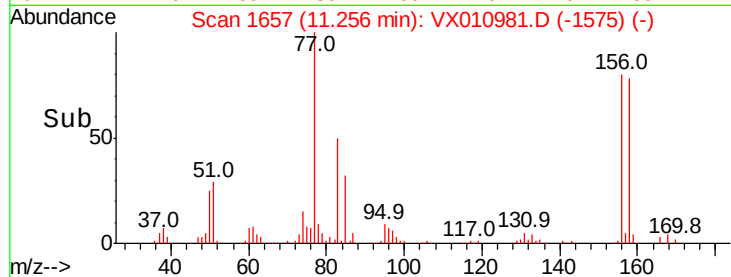
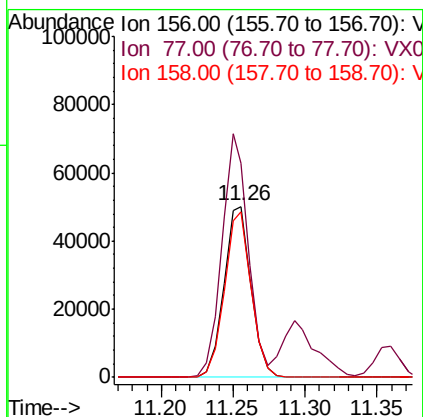
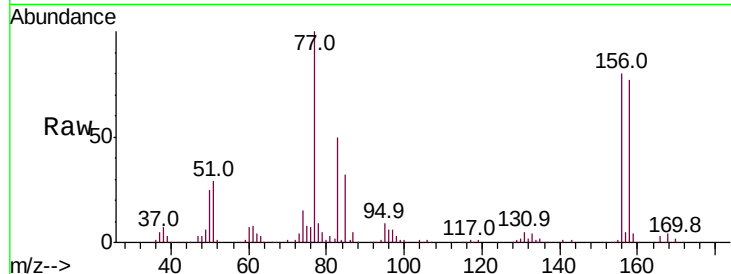
ClientSampleId :

ICVVN071919

Tot Ion:	156	Resp:	66191
Ion Ratio	Lower	Upper	
156	100		
77	138.4	0.0	275.8
158	95.9	0.0	195.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.067 ug/l

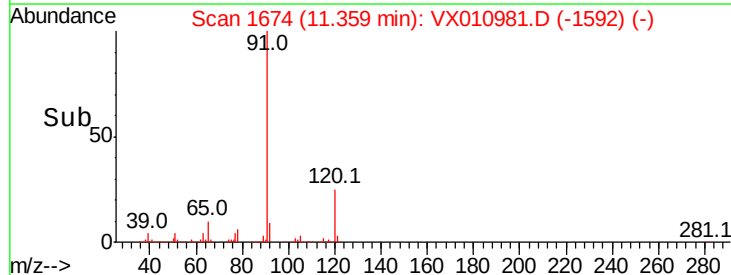
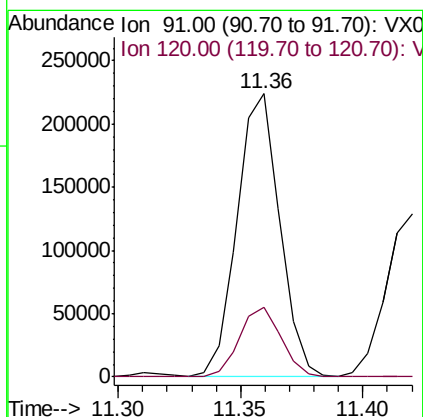
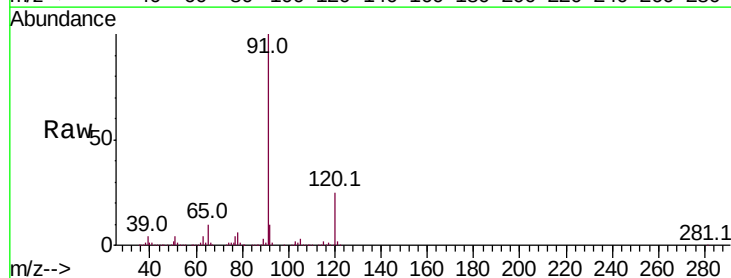
RT: 11.36 min Scan# 1674

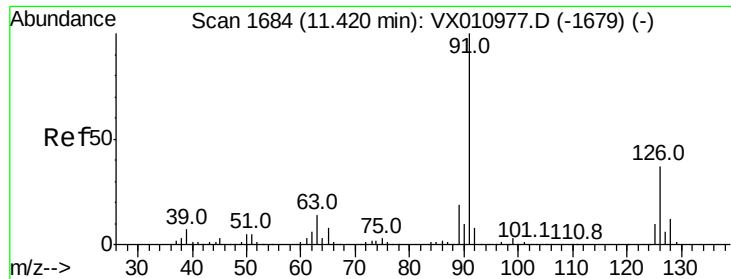
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	91	Resp:	271563
Ion Ratio	Lower	Upper	
91	100		
120	24.2	0.0	47.6





#75

2-Chlorotoluene

Concen: 20.105 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampled :

ICVVN071919

Tot Ion: 91 Resp: 162041

Ion Ratio Lower Upper

91 100

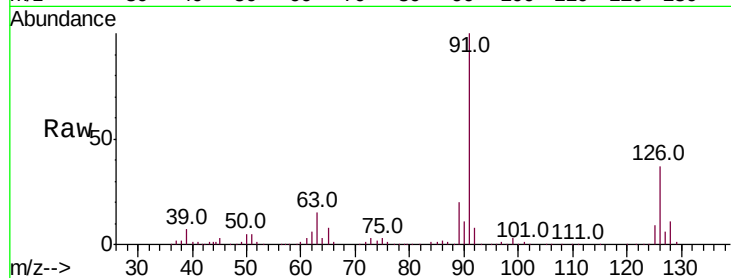
126 36.1 0.0 72.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010977.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX010977.D (-1679) (-)

250000

200000

150000

100000

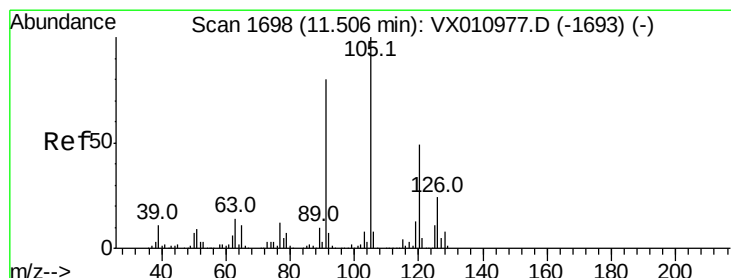
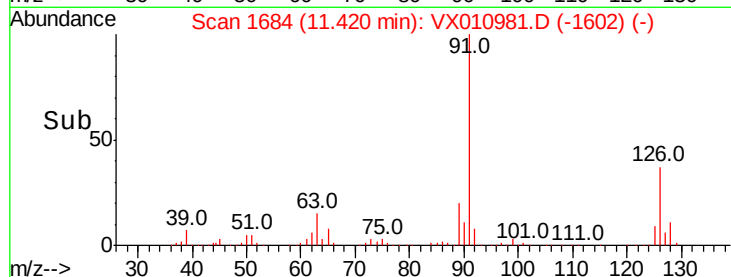
50000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.128 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010981.D

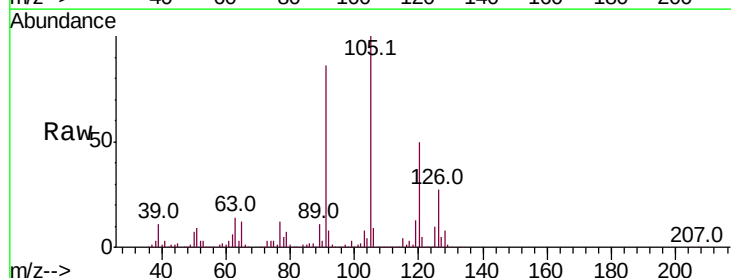
Acq: 19 Jul 2019 00:18

Tgt Ion:105 Resp: 204857

Ion Ratio Lower Upper

105 100

120 49.3 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX010977.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX010977.D (-1693) (-)

200000

150000

100000

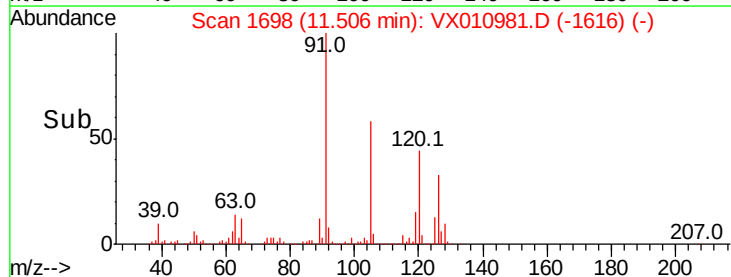
50000

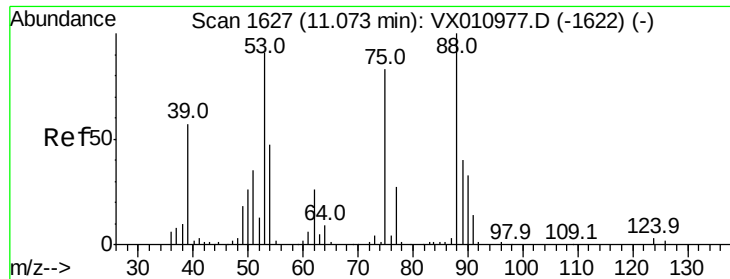
0

11.51

11.55

Time-->





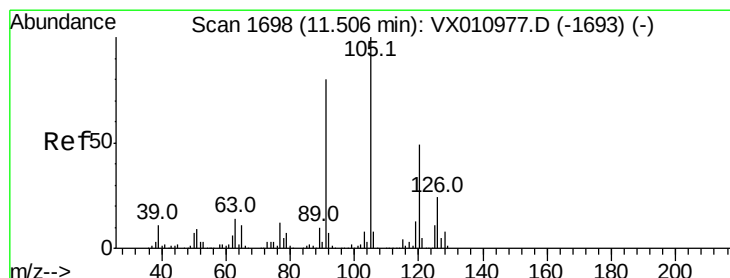
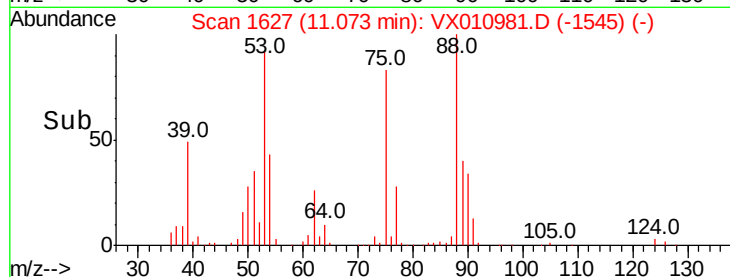
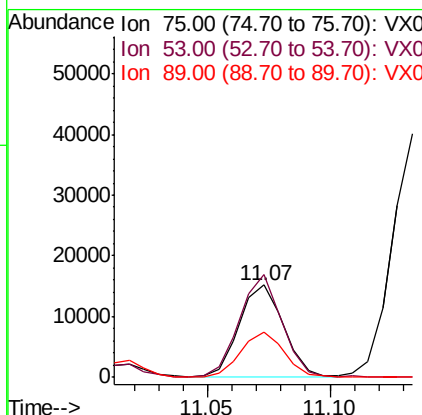
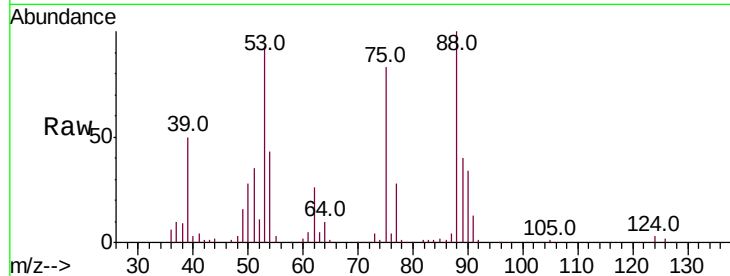
#77
t-1,4-Dichloro-2-butene
Concen: 17.939 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.0	54.8	164.3
89	48.5	24.6	73.6

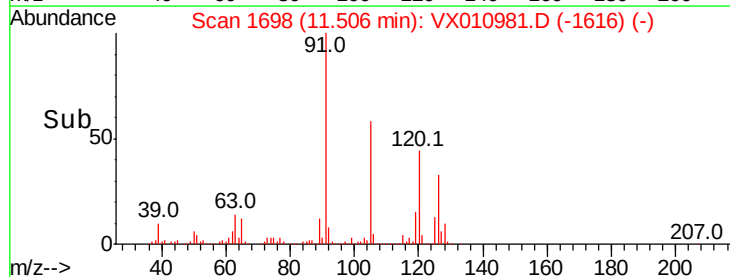
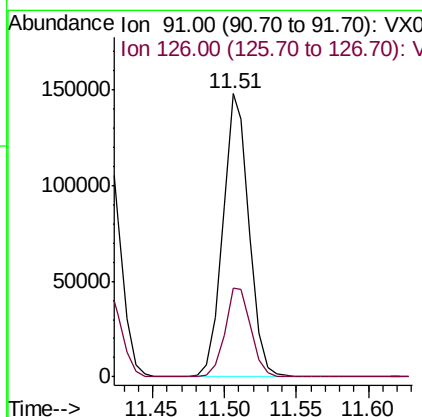
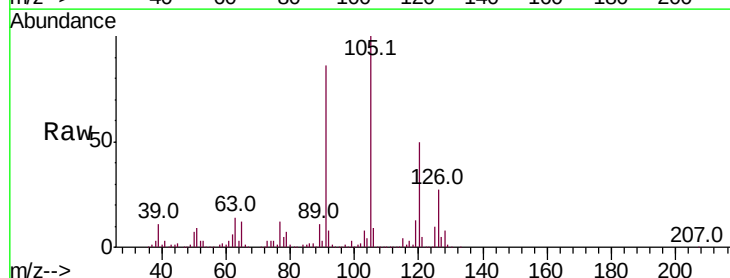
Manual Integrations
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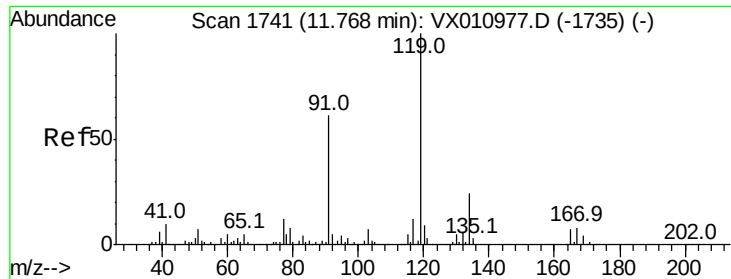
MMDadoda
7/19/2019 9:56:45 AM



#78
4-Chlorotoluene
Concen: 20.281 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	0.0	63.6





#79

tert-butylbenzene

Concen: 20.363 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

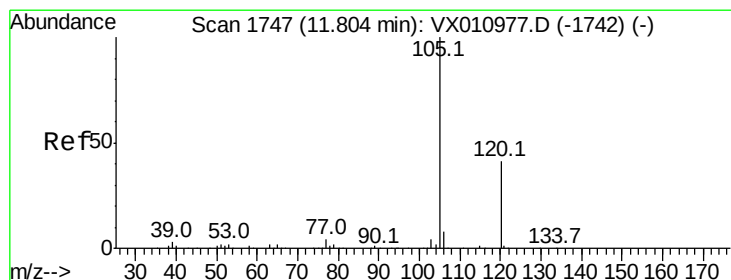
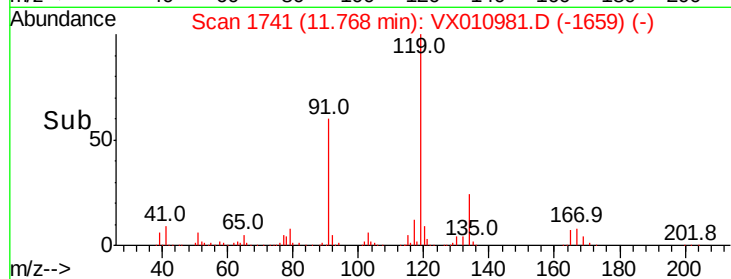
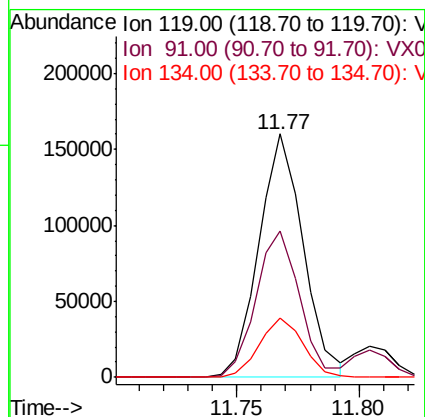
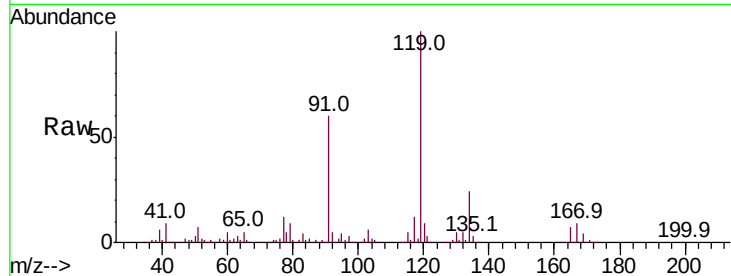
ClientSampleId :

ICVVN071919

Tot Ion:	119	Resp:	201024
Ion Ratio	Lower	Upper	
119	100		
91	59.8	0.0	118.4
134	24.2	0.0	47.4

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#80

1,2,4-Trimethylbenzene

Concen: 20.143 ug/l

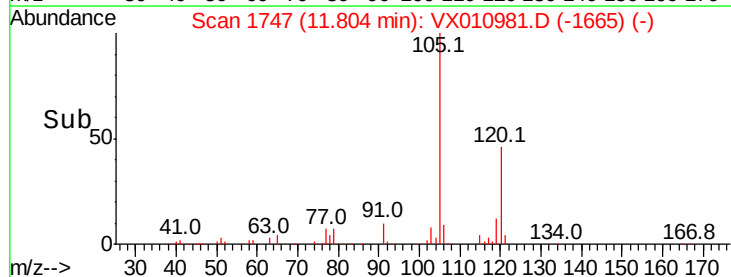
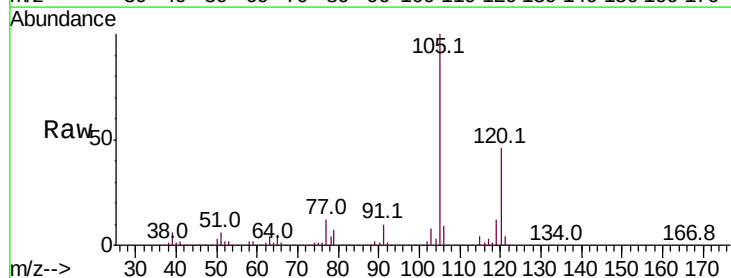
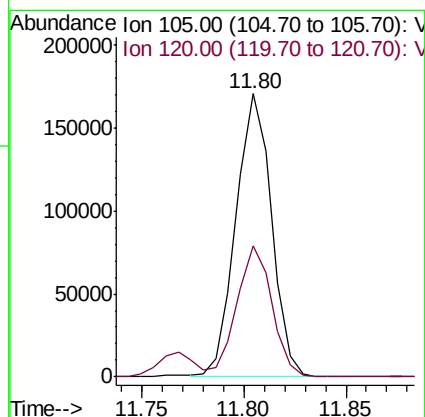
RT: 11.80 min Scan# 1747

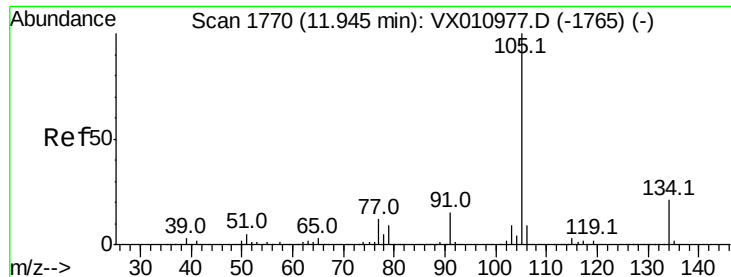
Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	105	Resp:	206442
Ion Ratio	Lower	Upper	
105	100		
120	45.5	0.0	91.6





#81

sec-Butylbenzene

Concen: 20.429 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVN071919

Tot Ion:105 Resp: 237727

Ion Ratio Lower Upper

105 100

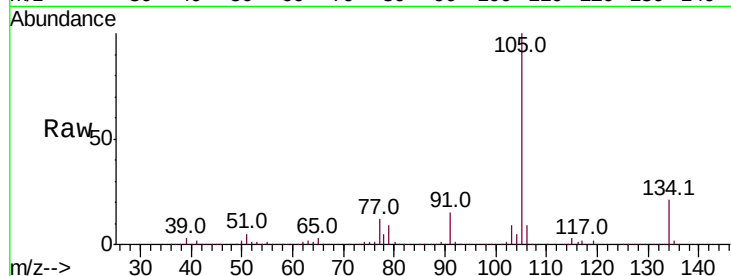
134 21.0 0.0 41.8

Manual Integrations

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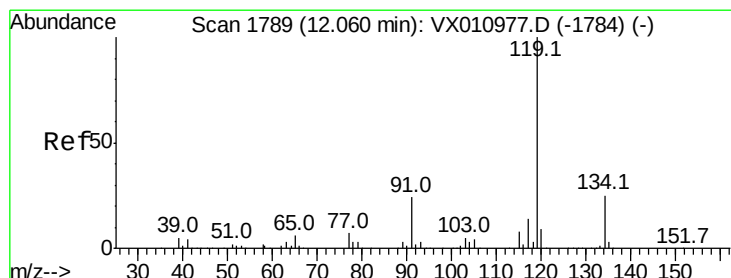
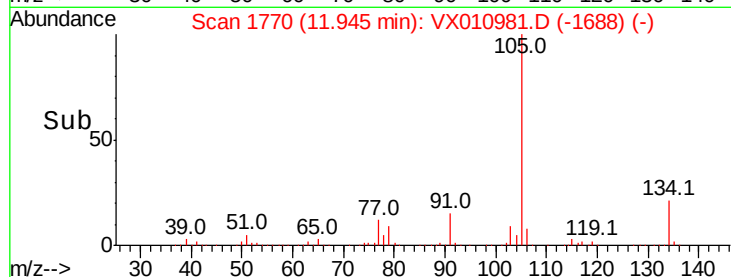
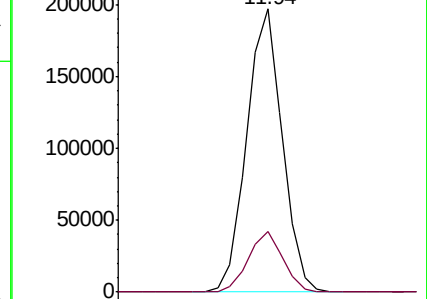
MMDadoda

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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: 20.212 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

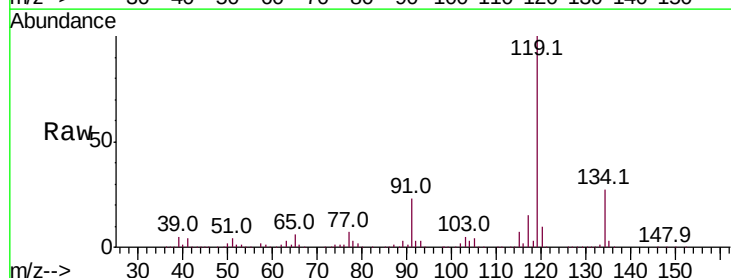
Tgt Ion:119 Resp: 218257

Ion Ratio Lower Upper

119 100

134 27.1 0.0 52.8

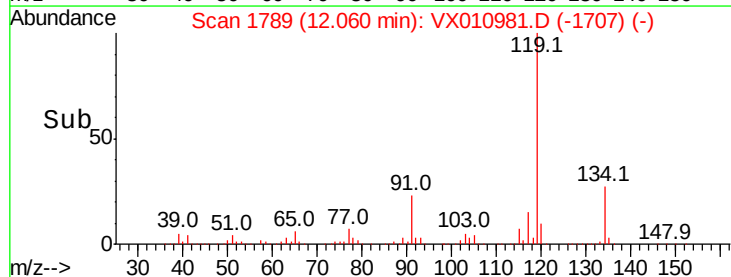
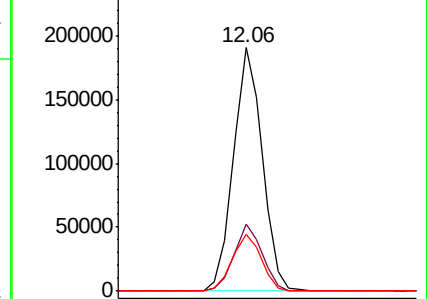
91 23.7 0.0 47.0

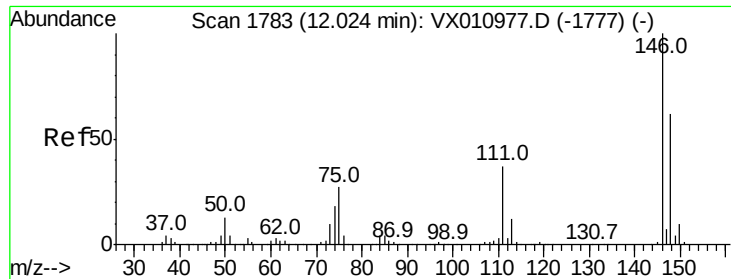


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





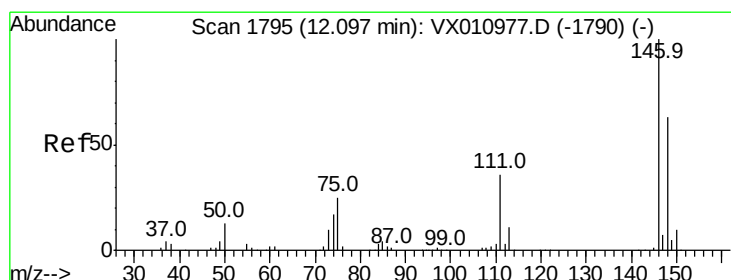
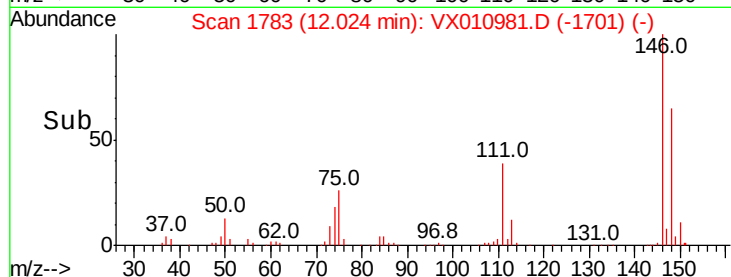
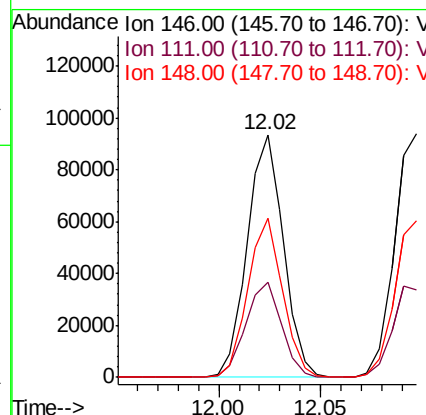
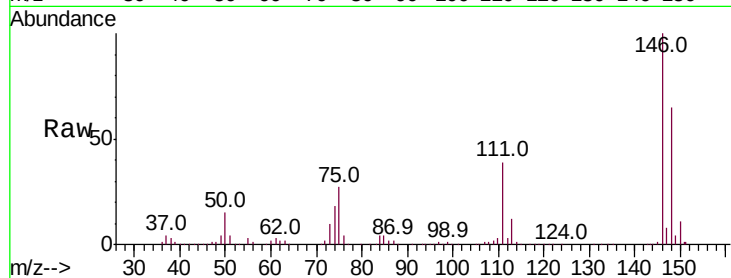
#83
 1,3-Dichlorobenzene
 Concen: 20.121 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.9
148	63.1	31.4	94.0

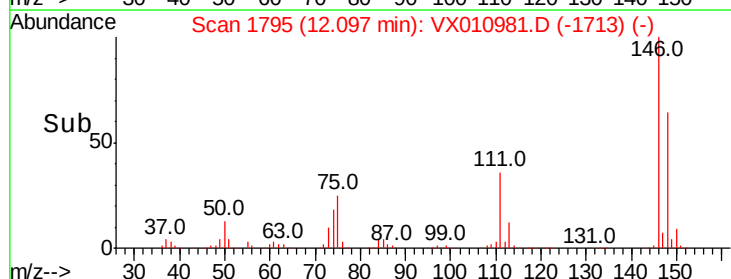
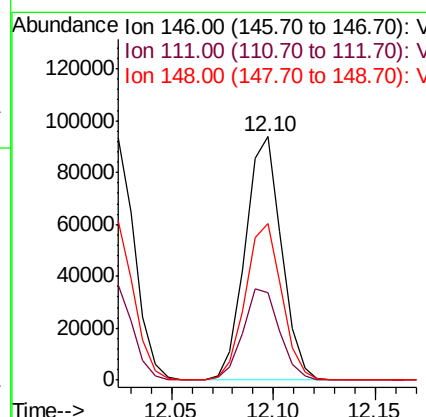
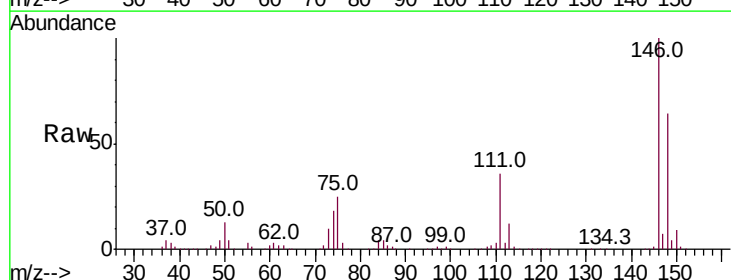
Manual Integrations
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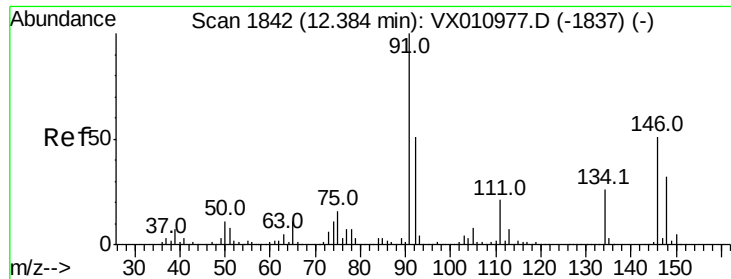
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 7/19/2019 9:56:45 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.403 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.5	55.5
148	64.0	32.0	96.0





#85

n-Butylbenzene

Concen: 19.921 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Instrument :

MSVOA_X

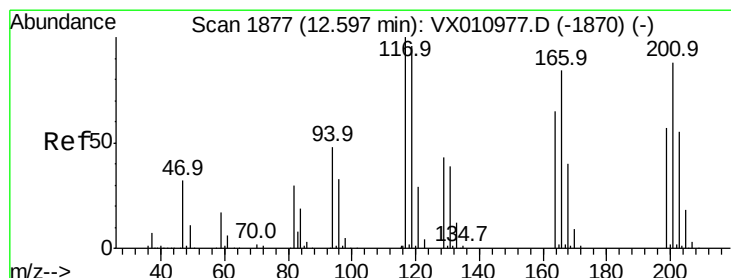
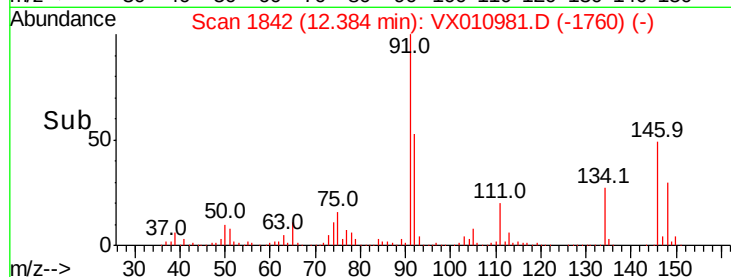
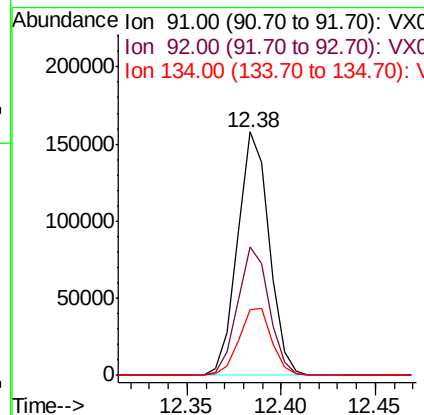
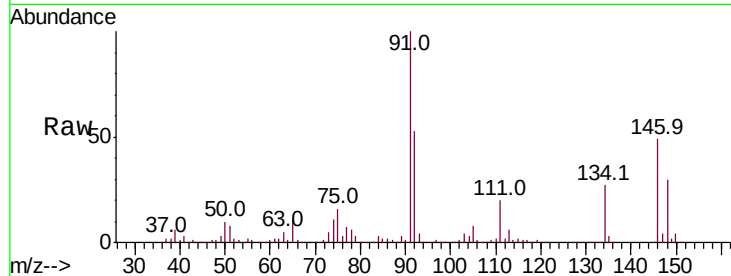
ClientSampled :

ICVVN071919

Tot Ion:	91	Resp:	183172
Ion Ratio	Lower	Upper	
91	100		
92	52.7	0.0	103.6
134	28.4	0.0	54.2

Manual Integrations
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7/19/2019 9:56:45 AM



#86

Hexachloroethane

Concen: 18.886 ug/l

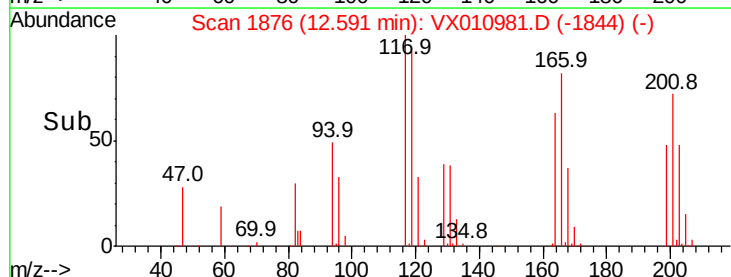
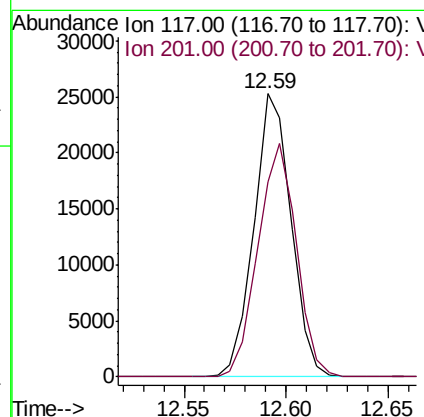
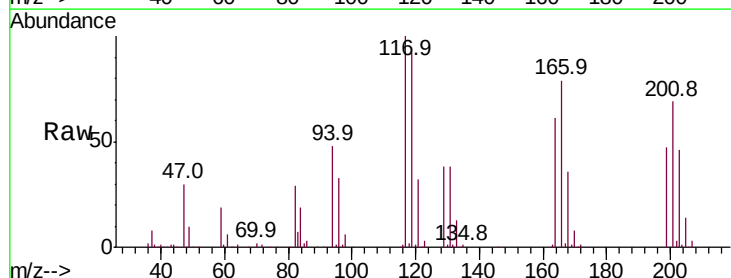
RT: 12.59 min Scan# 1876

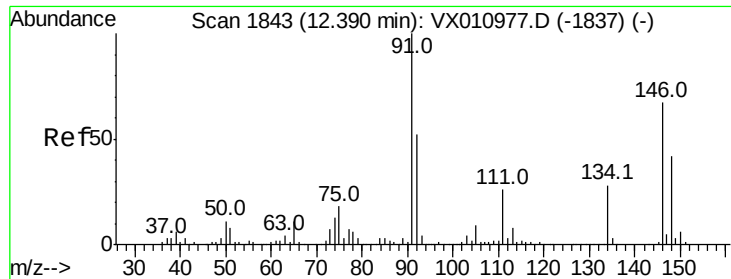
Delta R.T. -0.01 min

Lab File: VX010981.D

Acq: 19 Jul 2019 00:18

Tgt Ion:	117	Resp:	32163
Ion Ratio	Lower	Upper	
117	100		
201	84.9	42.1	126.3





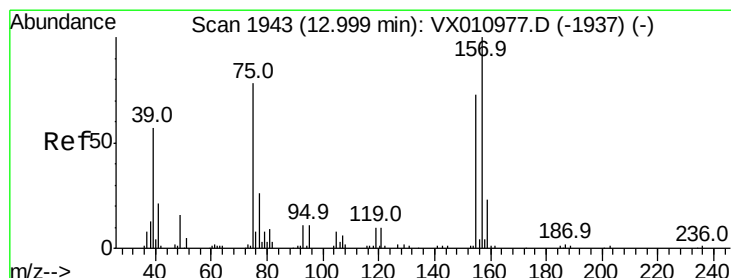
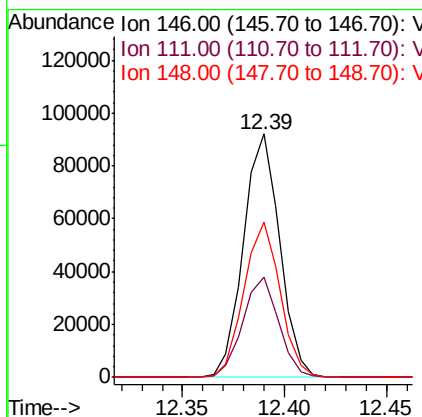
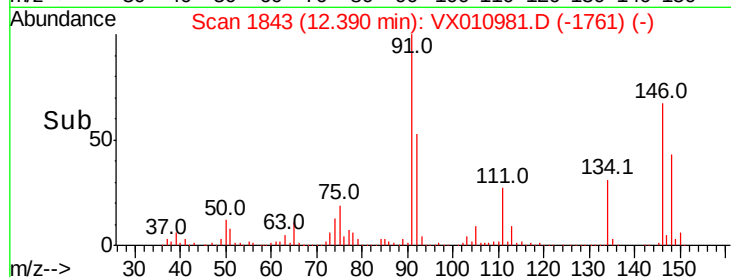
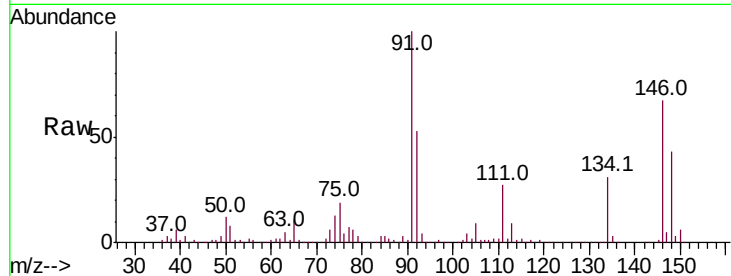
#87
 1,2-Dichlorobenzene
 Concen: 20.337 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.5	58.5
148	63.4	31.5	94.5

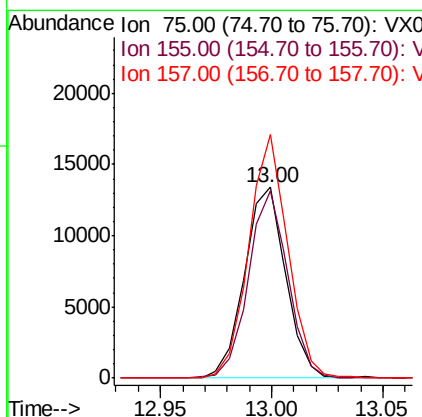
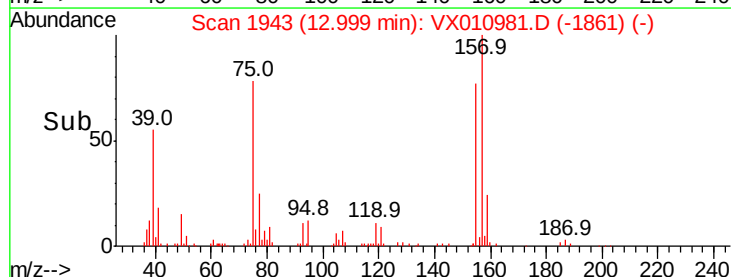
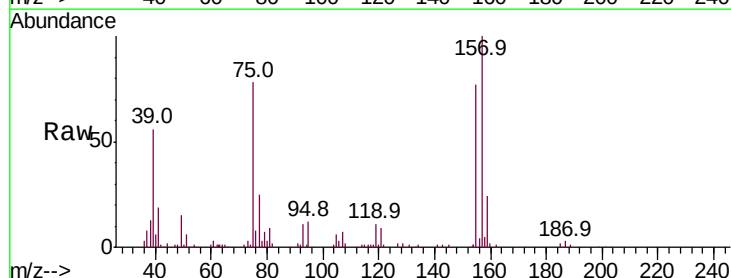
Manual Integrations
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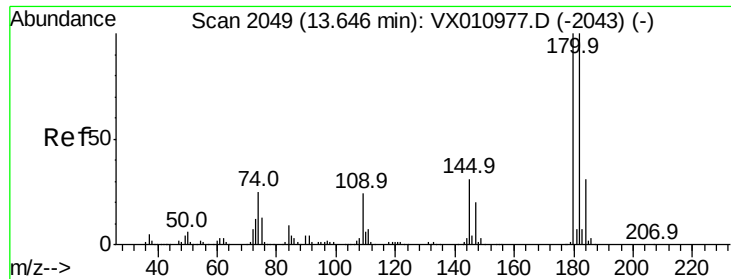
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.265 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	76.6	115.0
157	120.4	101.0	151.4





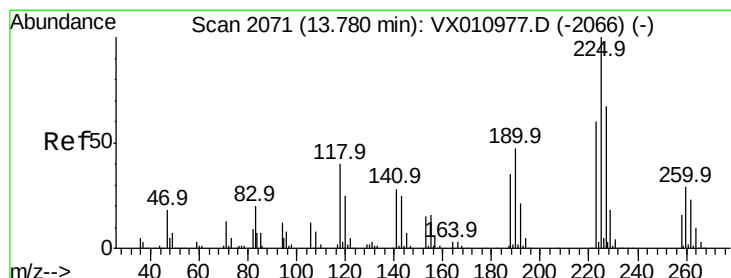
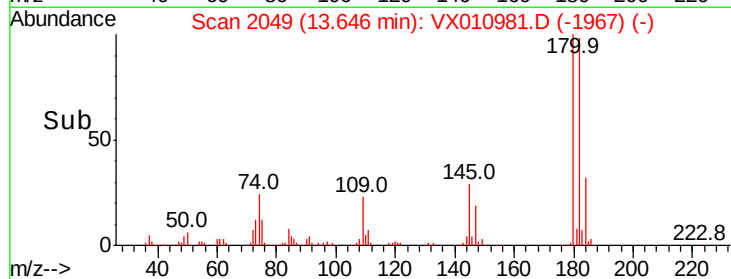
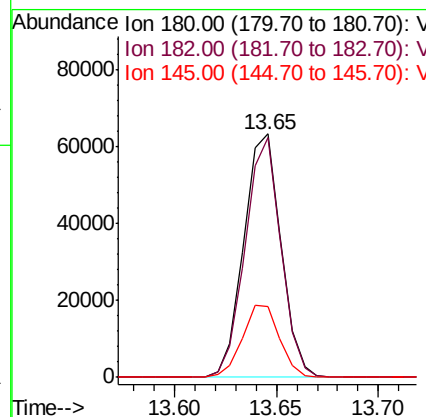
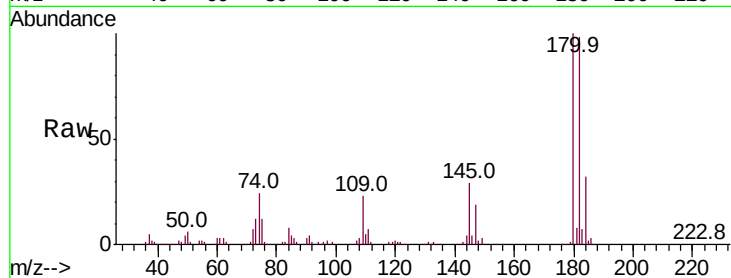
#89
 1,2,4-Trichlorobenzene
 Concen: 20.742 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVN071919

Tot Ion:	180	Resp:	80224
Ion Ratio	Lower	Upper	
180	100		
182	94.8	77.6	116.4
145	29.7	23.8	35.6

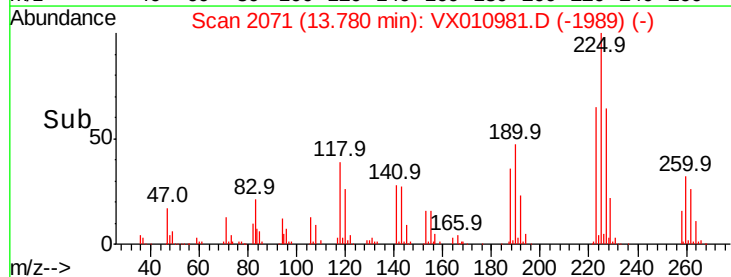
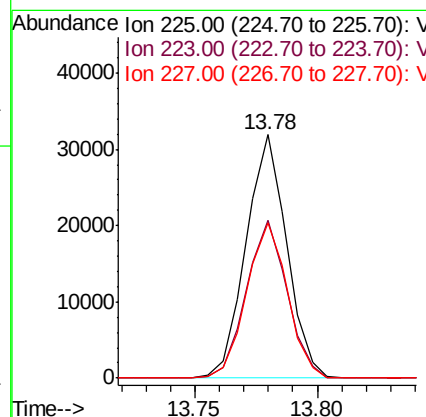
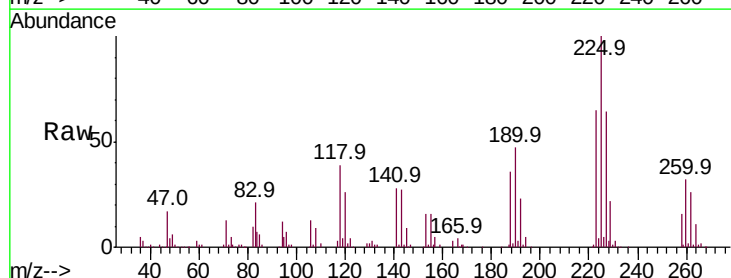
Manual Integrations
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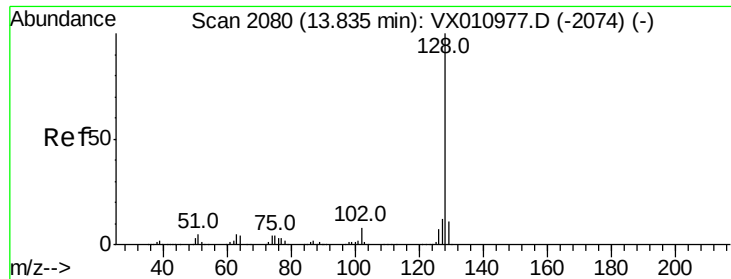
MMDadoda
 7/19/2019 9:56:45 AM



#90
 Hexachlorobutadiene
 Concen: 19.739 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010981.D
 Acq: 19 Jul 2019 00:18

Tgt Ion:	225	Resp:	36912
Ion Ratio	Lower	Upper	
225	100		
223	64.8	0.0	121.4
227	63.9	0.0	126.6





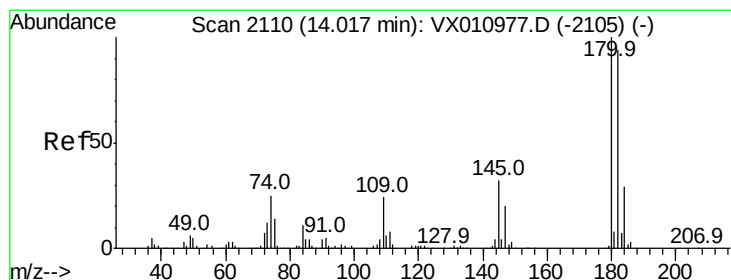
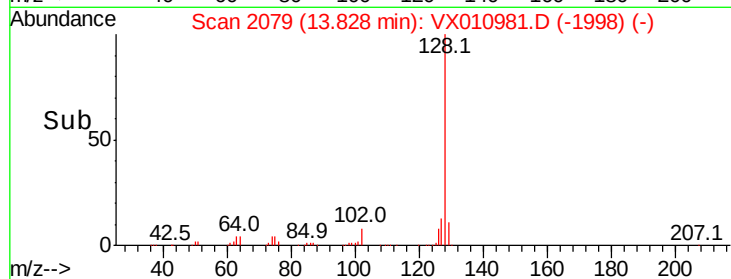
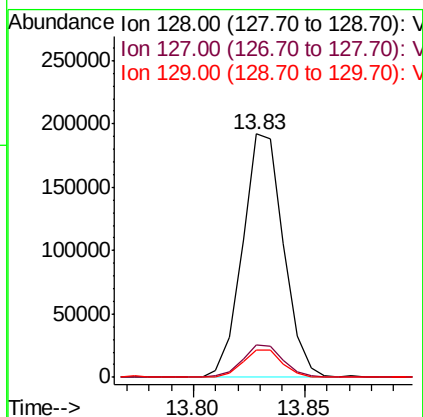
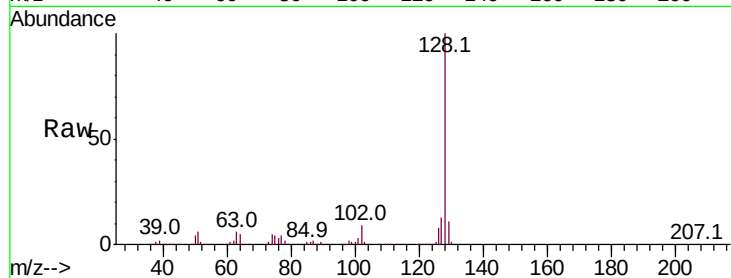
#91
Naphthalene
Concen: 20.875 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVN071919

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.1	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 21.053 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010981.D
Acq: 19 Jul 2019 00:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	0.0	190.2
145	31.7	0.0	63.8

