

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012574.D
 Acq On : 20 Sep 2019 22:35
 Operator : JC/SP
 Sample : VX0920WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 11:28:50 AM

Quant Time: Sep 21 03:48:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286412	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123088	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	120755	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	5.49	113	88569	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	8.71	98	329675	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.14	95	130549	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21897	19.593	ug/l	97
3) Chloromethane	1.32	50	19302	20.703	ug/l	97
4) Vinyl Chloride	1.40	62	21137	20.976	ug/l	99
5) Bromomethane	1.63	94	9338	23.587	ug/l	93
6) Chloroethane	1.72	64	15483	19.635	ug/l	95
7) Trichlorofluoromethane	1.92	101	39675	21.478	ug/l	98
8) Diethyl Ether	2.18	74	17821	21.359	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27638	20.679	ug/l	99
10) Methyl Iodide	2.50	142	21855	21.804	ug/l	97
11) Tert butyl alcohol	3.03	59	65362	102.582	ug/l	98
12) 1,1-Dichloroethene	2.36	96	22798	21.382	ug/l	93
13) Acrolein	2.28	56	17241	79.638	ug/l	99
14) Allyl chloride	2.72	41	49050	19.760	ug/l	99
15) Acrylonitrile	3.13	53	112304	106.627	ug/l	99
16) Acetone	2.44	43	105314	89.726	ug/l	99
17) Carbon Disulfide	2.56	76	25357	18.015	ug/l	100
18) Methyl Acetate	2.76	43	53640	21.179	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	124173	21.360	ug/l	100
20) Methylene Chloride	2.84	84	30642	20.831	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	23772	21.471	ug/l	97
22) Diisopropyl ether	3.85	45	122870	21.141	ug/l	93
23) Vinyl Acetate	3.80	43	501135	104.817	ug/l	98
24) 1,1-Dichloroethane	3.69	63	59680	21.461	ug/l	98
25) 2-Butanone	4.66	43	164835	97.769	ug/l	100
26) 2,2-Dichloropropane	4.58	77	46338	16.943	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	35758	21.620	ug/l	95
28) Bromochloromethane	5.01	49	29662	20.690	ug/l	99
29) Tetrahydrofuran	5.12	42	99995	107.361	ug/l	100
30) Chloroform	5.20	83	66303	20.761	ug/l	98
31) Cyclohexane	5.57	56	34610	20.617	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	55228	20.690	ug/l	100
36) 1,1-Dichloropropene	5.79	75	35361	20.315	ug/l	98
37) Ethyl Acetate	4.83	43	59144	22.135	ug/l	97
38) Carbon Tetrachloride	5.78	117	43341	20.020	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	33710	19.921	ug/l	96
40) Benzene	6.14	78	119090	21.515	ug/l	98
41) Methacrylonitrile	5.03	41	34626	20.126	ug/l	97
42) 1,2-Dichloroethane	6.18	62	53944	21.012	ug/l	99
43) Isopropyl Acetate	6.43	43	98734	20.588	ug/l	99
44) Trichloroethene	7.21	130	32814	22.536	ug/l	100
45) 1,2-Dichloropropane	7.51	63	35588	20.927	ug/l	99
46) Dibromomethane	7.65	93	23663	21.502	ug/l	99
47) Bromodichloromethane	7.89	83	49665	20.269	ug/l	98
48) Methyl methacrylate	7.76	41	45544	20.147	ug/l	99
49) 1,4-Dioxane	7.73	88	21922	398.442	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	332810	105.824	ug/l	99
52) Toluene	8.78	92	76606	21.478	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	48938	19.213	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	53252	20.195	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	39743	21.628	ug/l	96
56) Ethyl methacrylate	9.17	69	60299	20.988	ug/l	97
57) 1,3-Dichloropropane	9.37	76	63470	21.648	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	153703	103.351	ug/l	99
59) 2-Hexanone	9.49	43	250947	102.278	ug/l	100
60) Dibromochloromethane	9.58	129	38933	20.800	ug/l	98
61) 1,2-Dibromoethane	9.67	107	36842	21.952	ug/l	98
64) Tetrachloroethene	9.33	164	30324	26.048	ug/l	98
65) Chlorobenzene	10.14	112	89790	21.413	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	36914	21.212	ug/l	99
67) Ethyl Benzene	10.25	91	154578	21.457	ug/l	99
68) m/p-Xylenes	10.35	106	114327	43.616	ug/l	99
69) o-Xylene	10.70	106	58600	21.738	ug/l	99
70) Styrene	10.71	104	103429	21.686	ug/l	98
71) Bromoform	10.85	173	25704	19.040	ug/l #	99
73) Isopropylbenzene	11.01	105	168208	21.780	ug/l	100
74) N-amyl acetate	10.89	43	83883	20.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	64267	21.213	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	59317m	20.979	ug/l	
77) Bromobenzene	11.25	156	40281	21.386	ug/l	100
78) n-propylbenzene	11.35	91	177478	20.619	ug/l	98
79) 2-Chlorotoluene	11.42	91	115146	20.563	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	137474	20.872	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	16060	17.724	ug/l	91
82) 4-Chlorotoluene	11.51	91	133088	20.708	ug/l	100
83) tert-Butylbenzene	11.76	119	143698	20.360	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	140348	20.753	ug/l	100
85) sec-Butylbenzene	11.94	105	162654	20.914	ug/l	98
86) p-Isopropyltoluene	12.06	119	144910	20.292	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	74651	21.070	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	73093	20.083	ug/l	97
89) n-Butylbenzene	12.39	91	119100	18.692	ug/l	99
90) Hexachloroethane	12.59	117	24463	18.682	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	79192	21.385	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15720	20.015	ug/l	95

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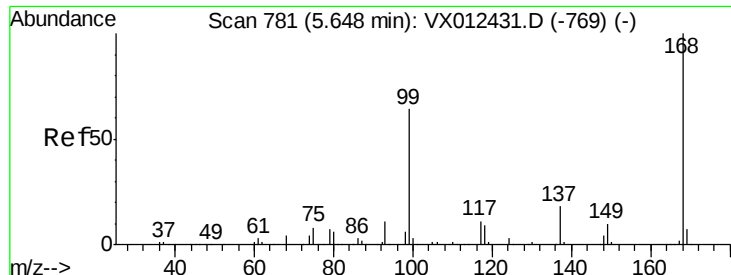
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48021	20.133	ug/l	99
94) Hexachlorobutadiene	13.78	225	21160	18.822	ug/l	97
95) Naphthalene	13.83	128	177191	20.877	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	50060	20.595	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion:168 Resp: 169587

Ion Ratio Lower Upper

168 100

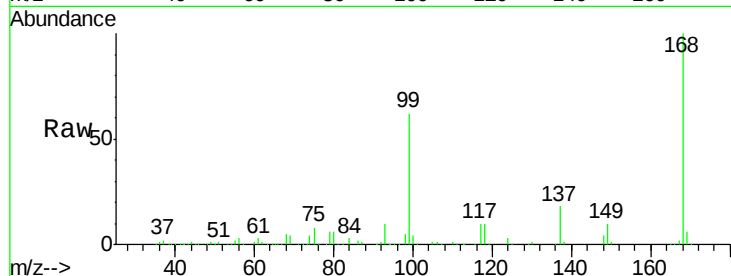
99 62.0 51.4 77.2

Manual Integrations

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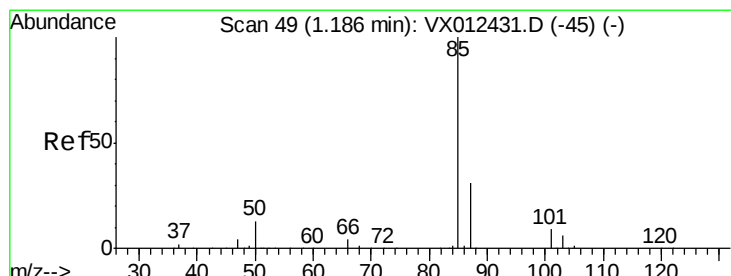
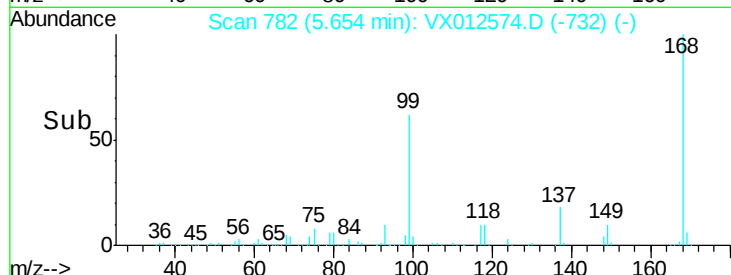
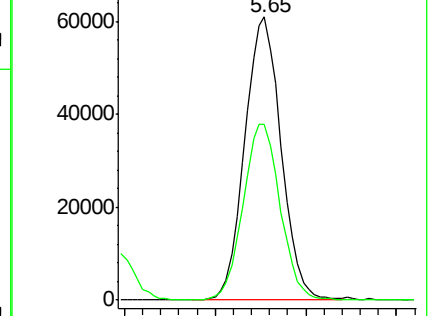
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.593 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012574.D

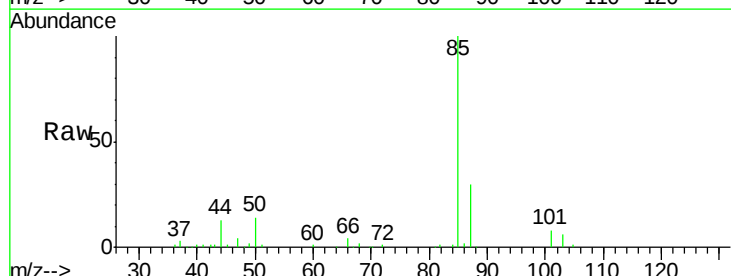
Acq: 20 Sep 2019 22:35

Tgt Ion: 85 Resp: 21897

Ion Ratio Lower Upper

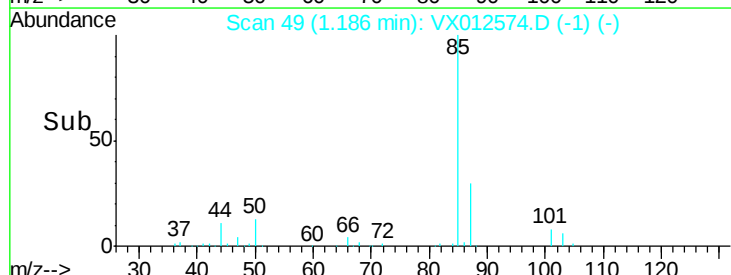
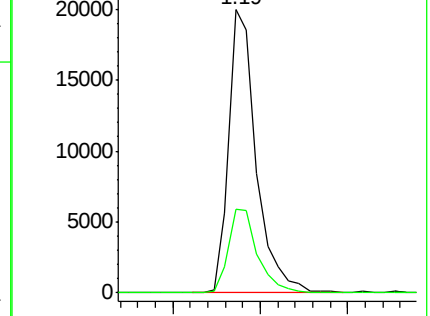
85 100

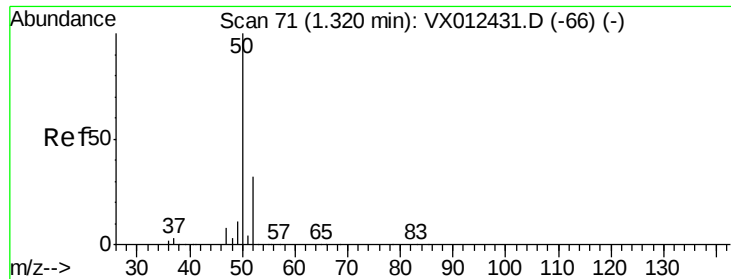
87 29.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.703 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 50 Resp: 19302

Ion Ratio Lower Upper

50 100

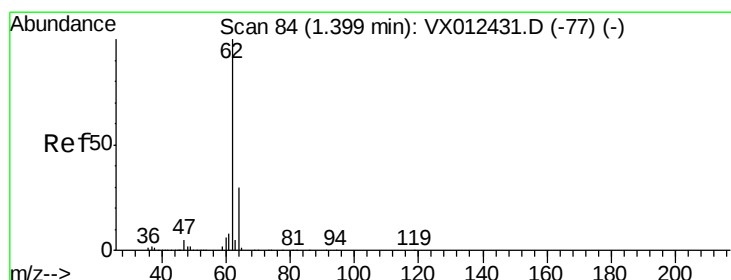
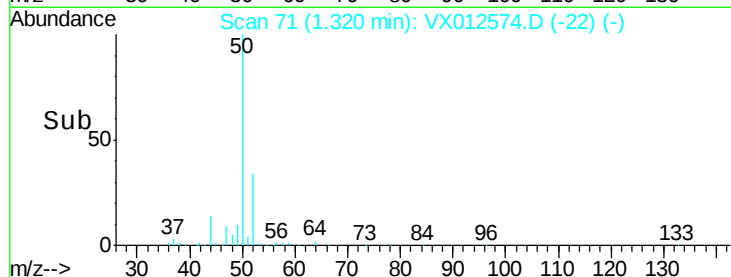
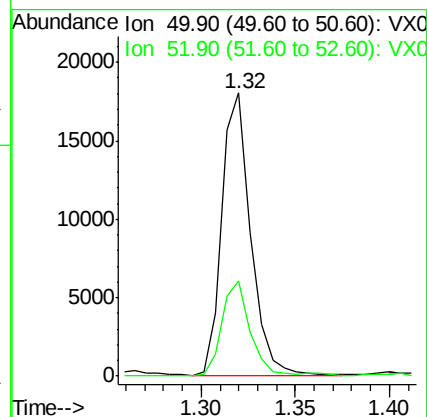
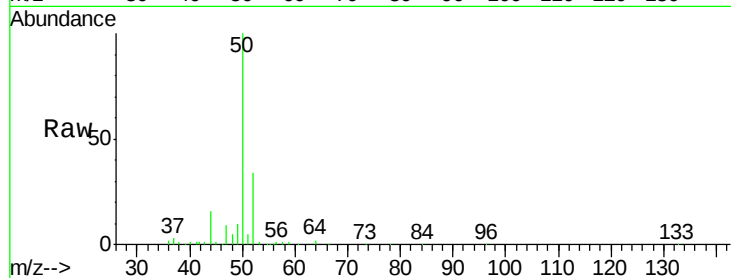
52 33.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.976 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012574.D

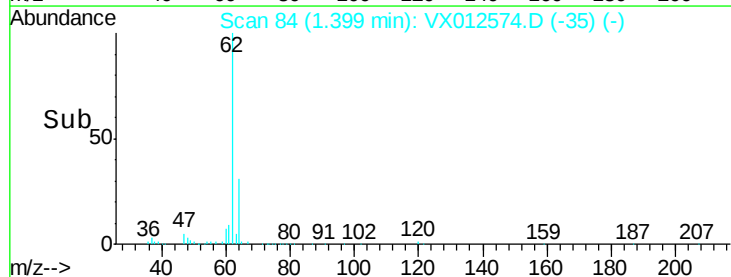
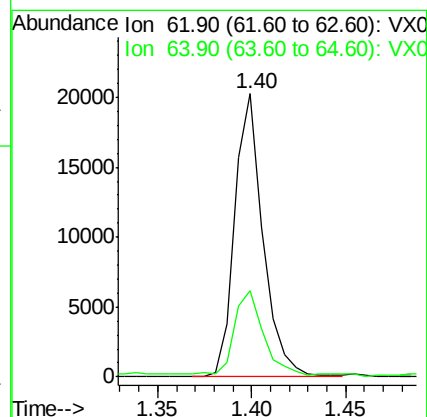
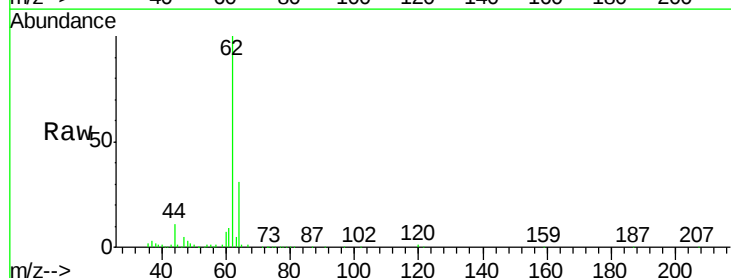
Acq: 20 Sep 2019 22:35

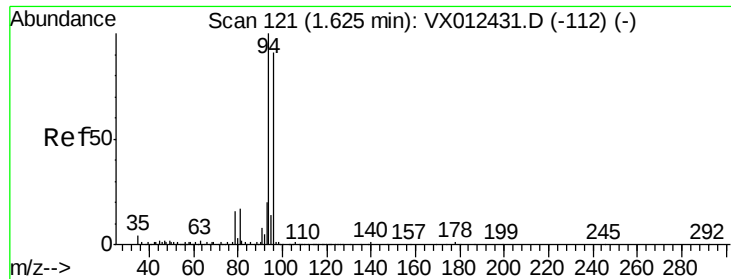
Tgt Ion: 62 Resp: 21137

Ion Ratio Lower Upper

62 100

64 29.8 24.2 36.2





#5

Bromomethane

Concen: 23.587 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 94 Resp: 9338

Ion Ratio Lower Upper

94 100

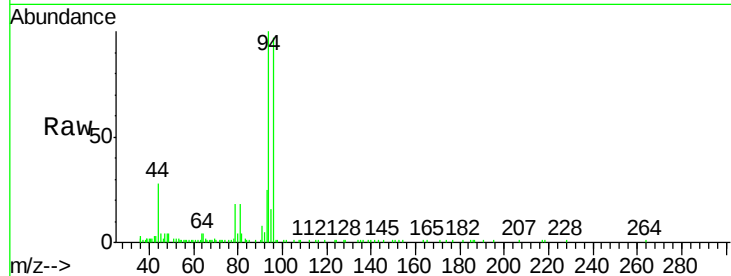
96 97.3 72.8 109.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

10000

8000

6000

4000

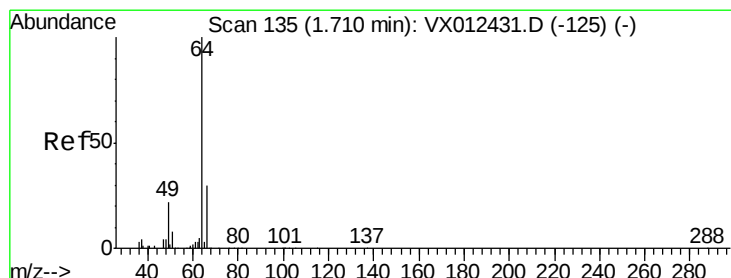
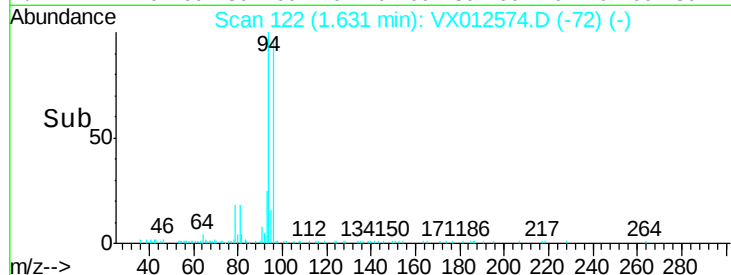
2000

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 19.635 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012574.D

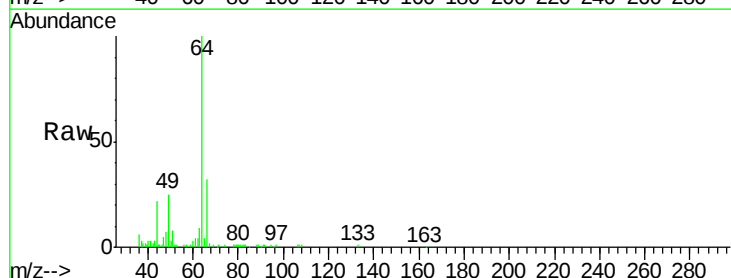
Acq: 20 Sep 2019 22:35

Tgt Ion: 64 Resp: 15483

Ion Ratio Lower Upper

64 100

66 32.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

12000

10000

8000

6000

4000

2000

0

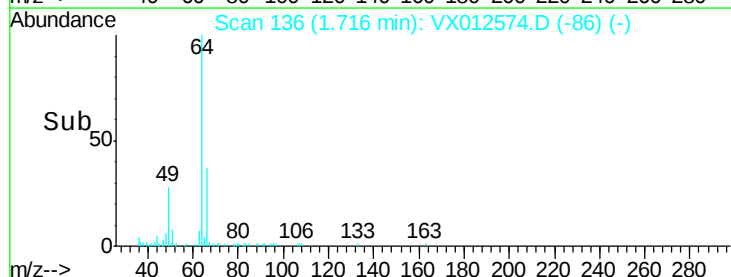
1.65

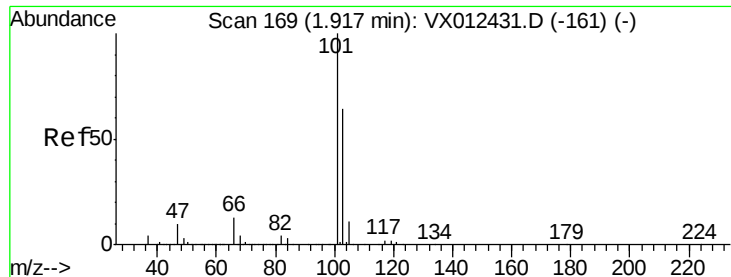
1.70

1.75

1.80

Time-->





#7

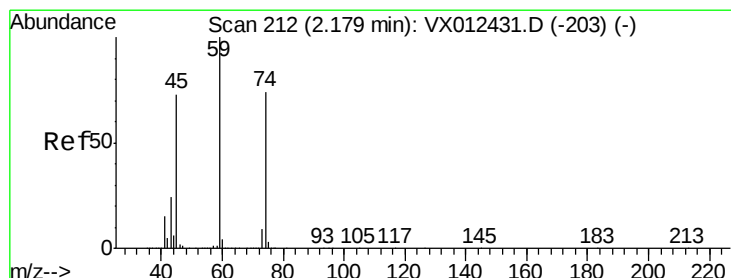
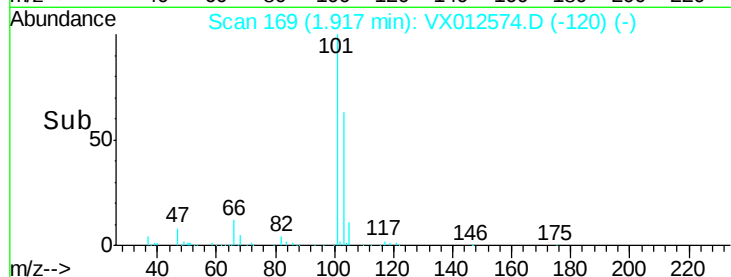
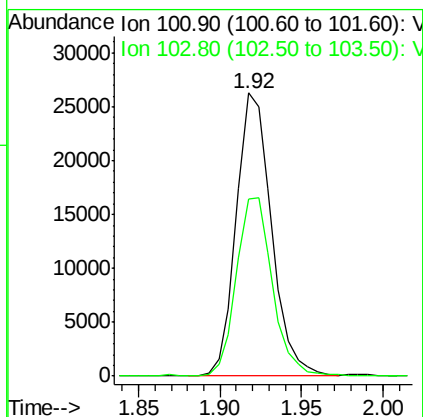
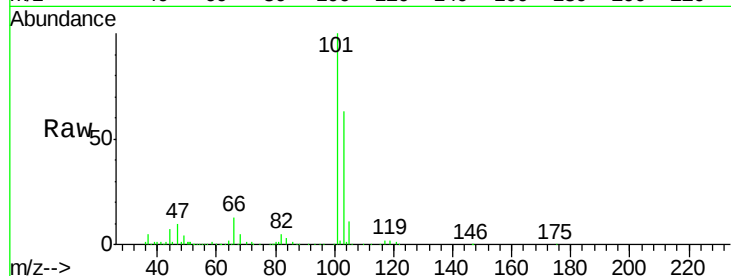
Trichlorofluoromethane
 Concen: 21.478 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012574.D
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	62.5	51.0	76.4	

Manual Integrations
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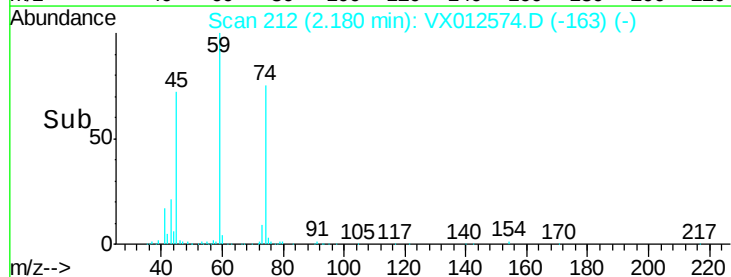
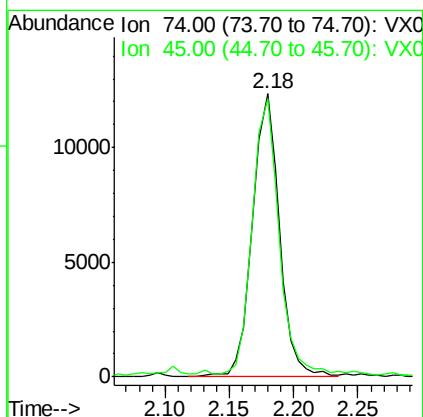
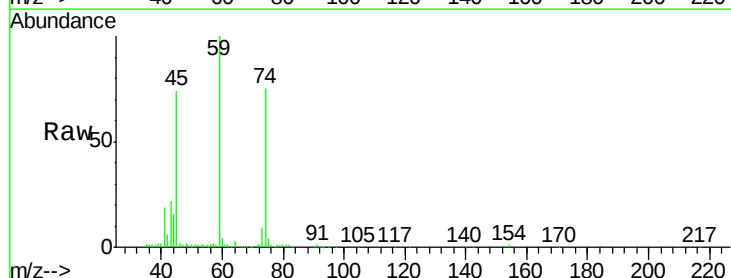
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 9/23/2019 11:28:50 AM

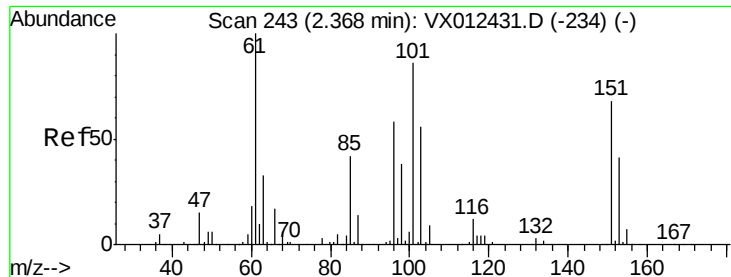


#8

Diethyl Ether
 Concen: 21.359 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	96.7	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.679 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

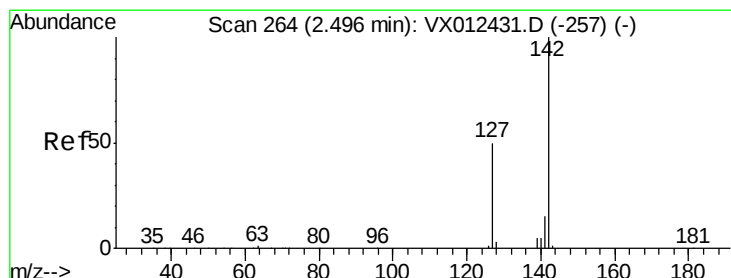
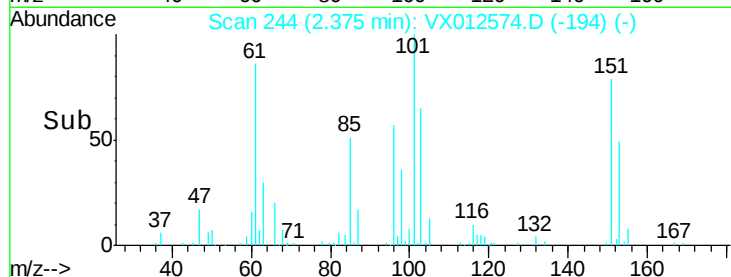
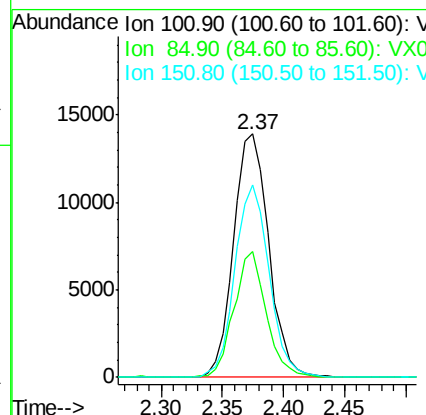
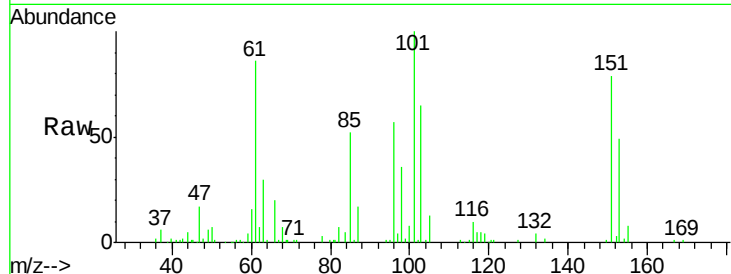
ClientSampleId :

VX0920WBS02

Tot Ion:	101	Resp:	27638
Ion Ratio	Lower	Upper	
101	100		
85	47.4	37.3	55.9
151	77.1	61.0	91.4

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#10

Methyl Iodide

Concen: 21.804 ug/l

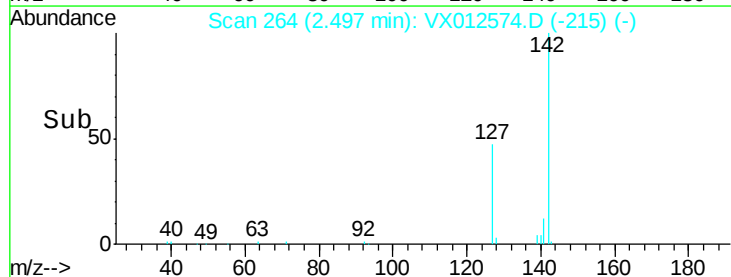
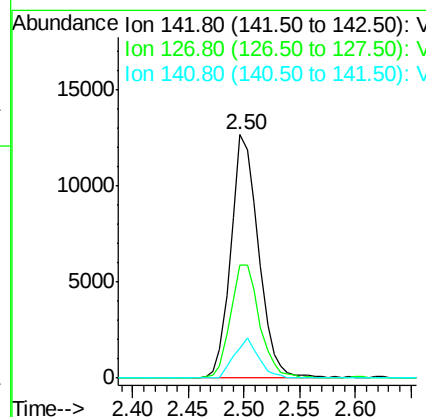
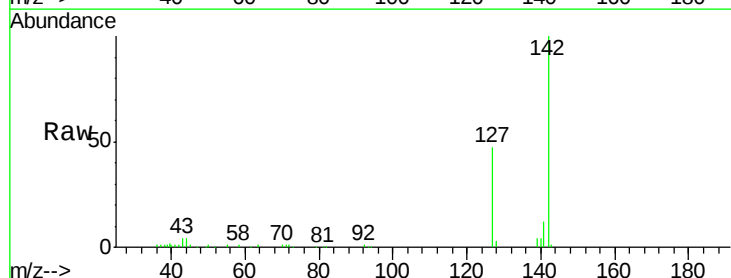
RT: 2.50 min Scan# 264

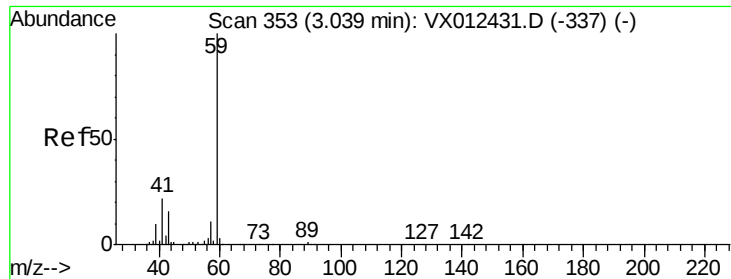
Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion:	142	Resp:	21855
Ion Ratio	Lower	Upper	
142	100		
127	49.0	40.8	61.2
141	14.2	12.1	18.1





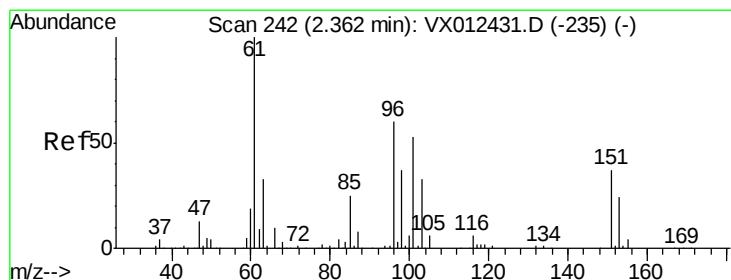
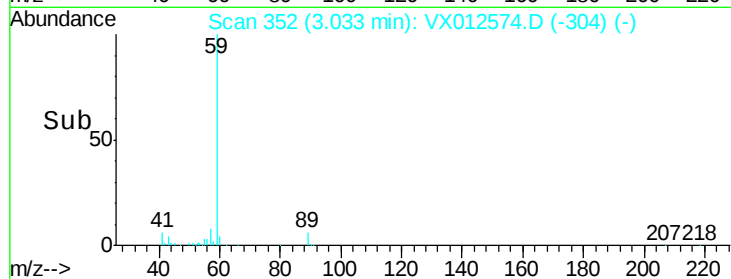
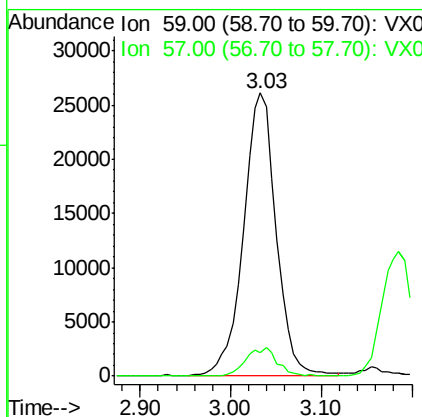
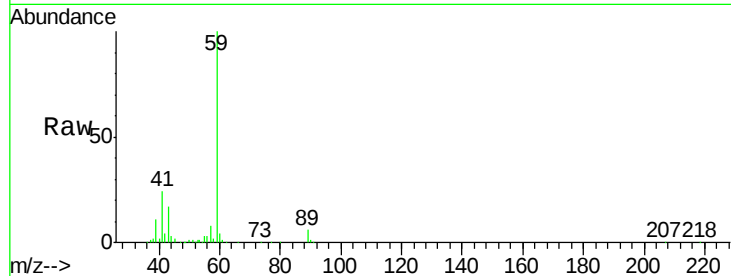
#11
Tert butyl alcohol
Concen: 102.582 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

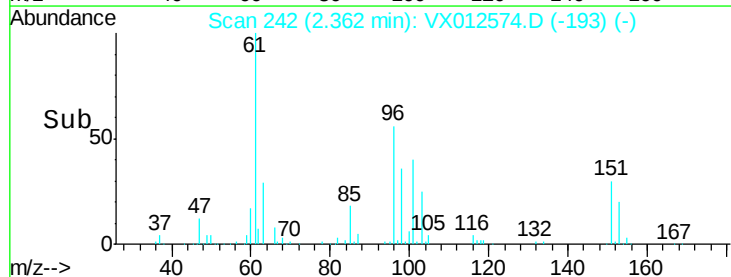
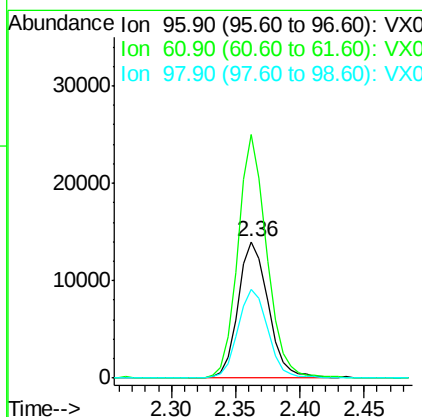
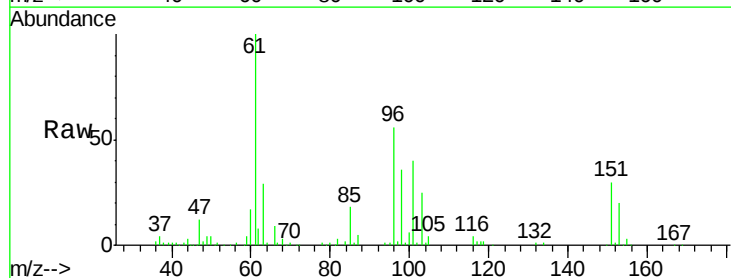
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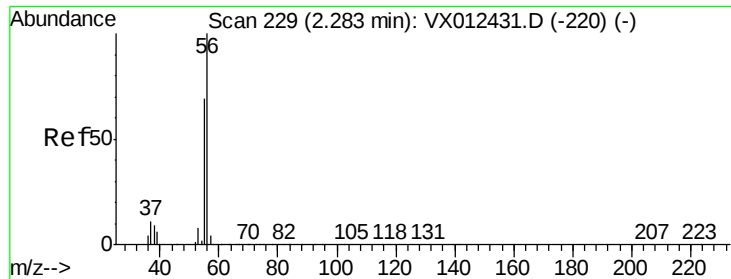
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#12
1,1-Dichloroethene
Concen: 21.382 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.5	133.8	200.6
98	64.9	49.9	74.9





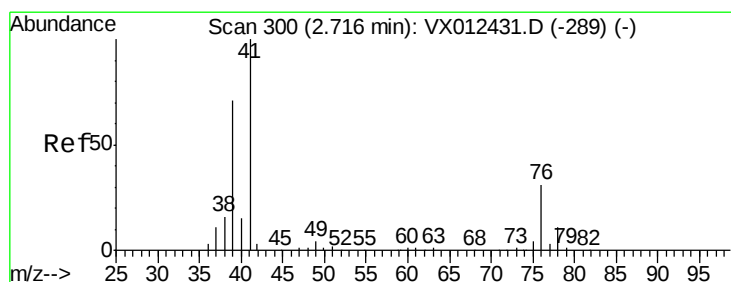
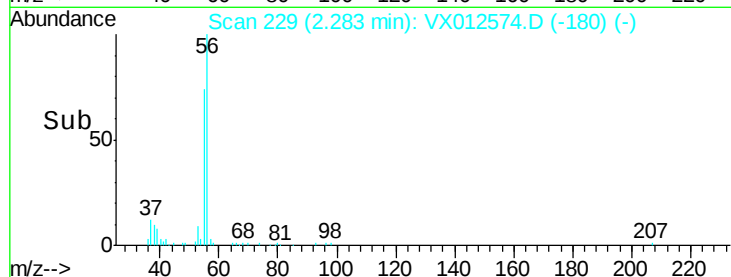
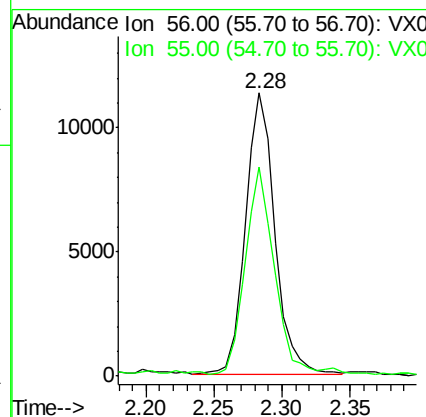
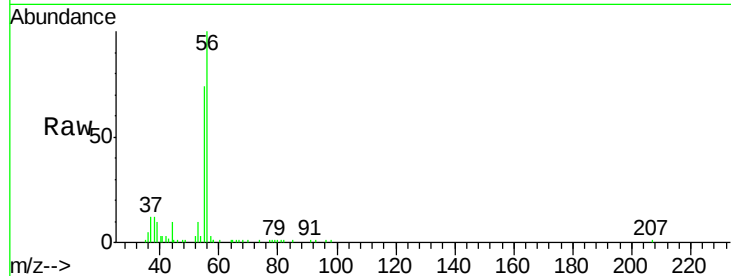
#13
Acrolein
Concen: 79.638 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleID :
VX0920WBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.8	55.8	83.8	

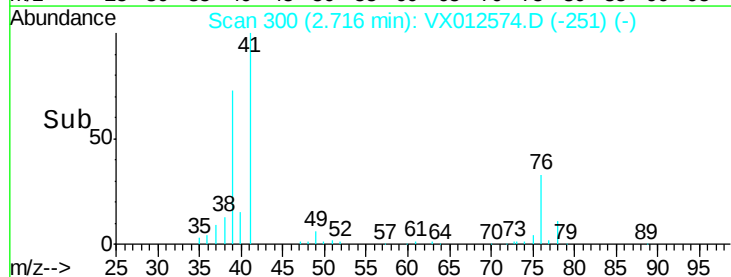
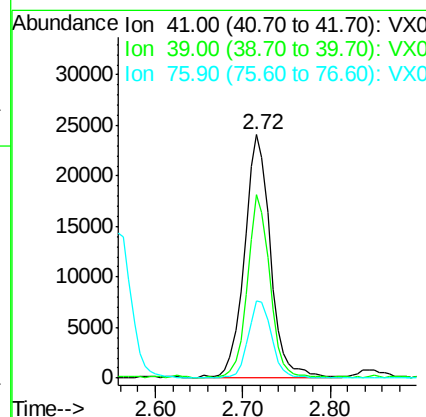
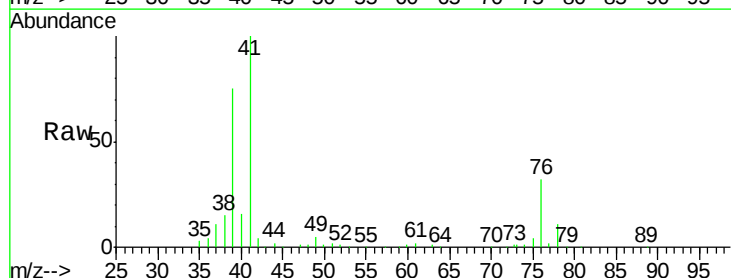
Manual Integrations
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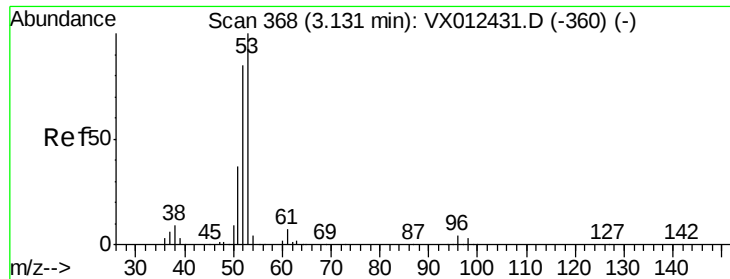
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#14
Allyl chloride
Concen: 19.760 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.6	51.3	76.9	
76	28.8	22.6	33.8	





#15

Acrylonitrile

Concen: 106.627 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

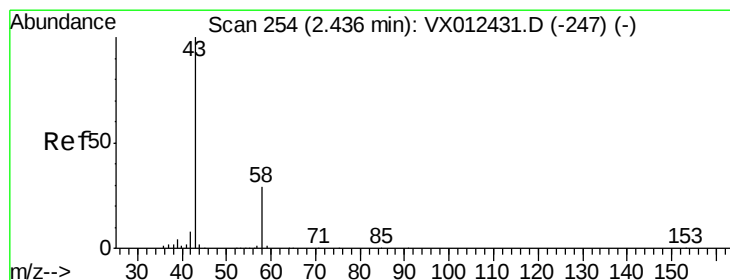
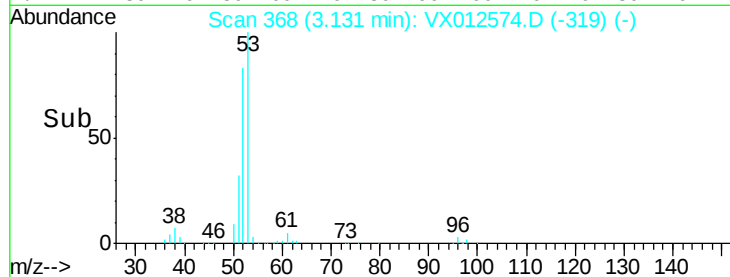
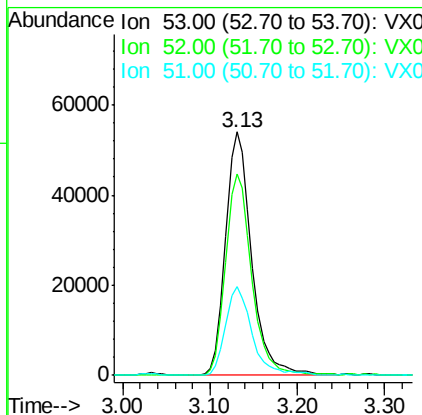
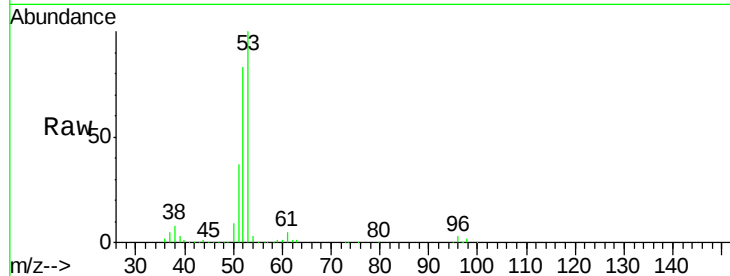
ClientSampleId :

VX0920WBS02

Tot Ion:	53	Resp:	112304
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.0	100.4
51	37.3	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 89.726 ug/l

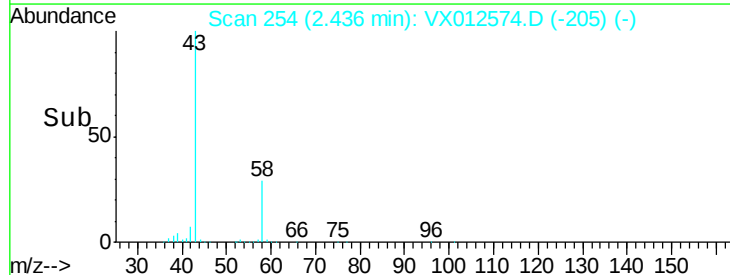
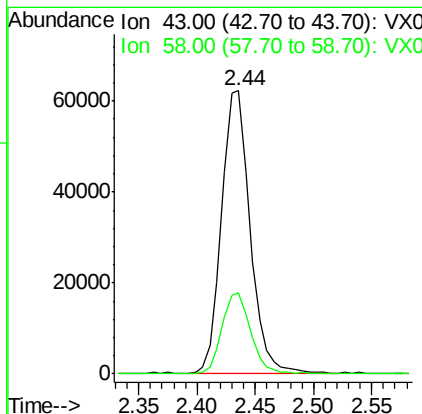
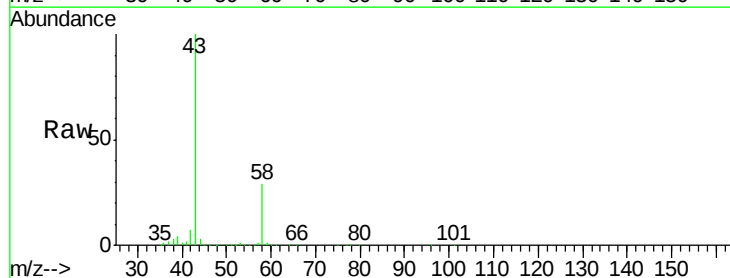
RT: 2.44 min Scan# 254

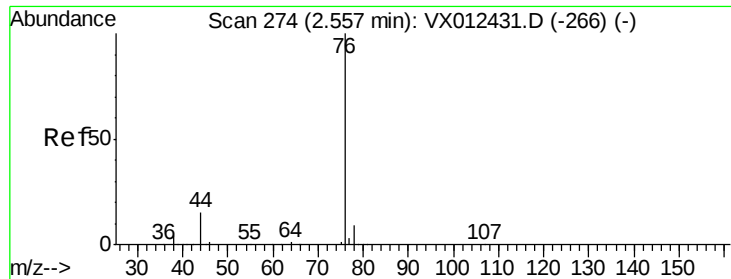
Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion:	43	Resp:	105314
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.3	34.9





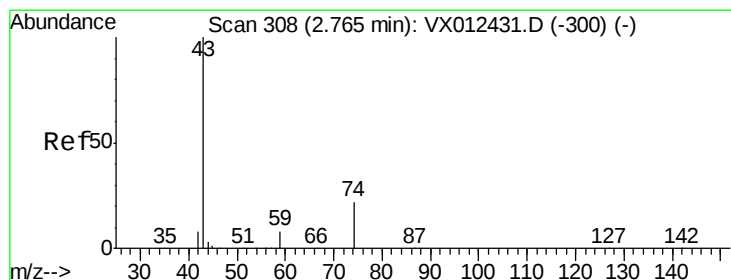
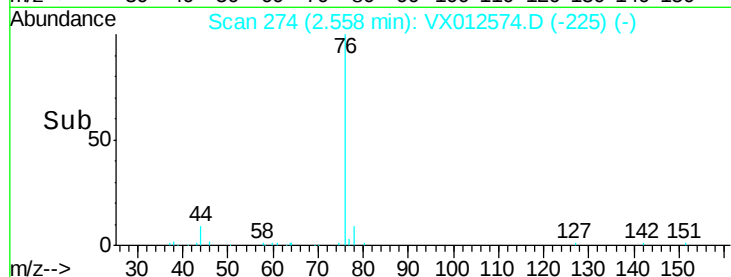
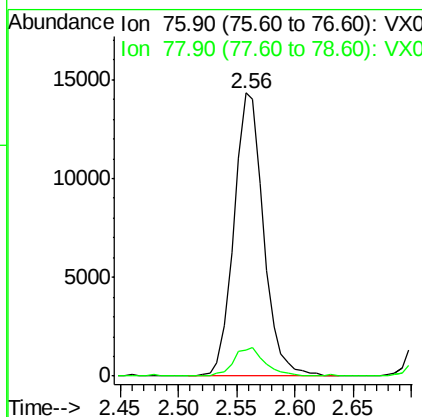
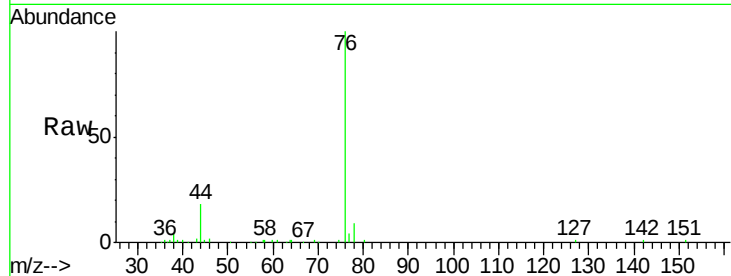
#17
Carbon Disulfide
Concen: 18.015 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

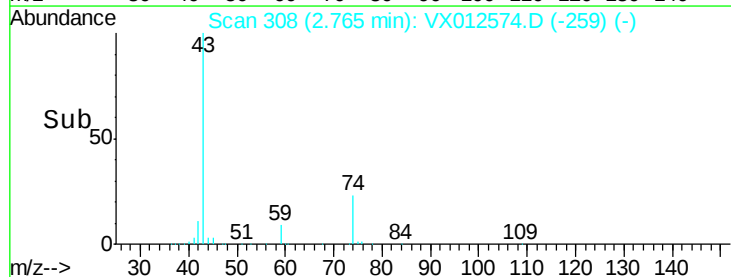
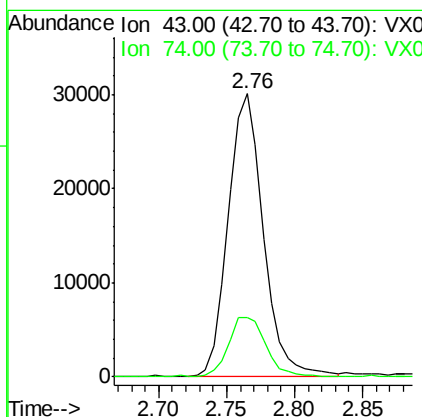
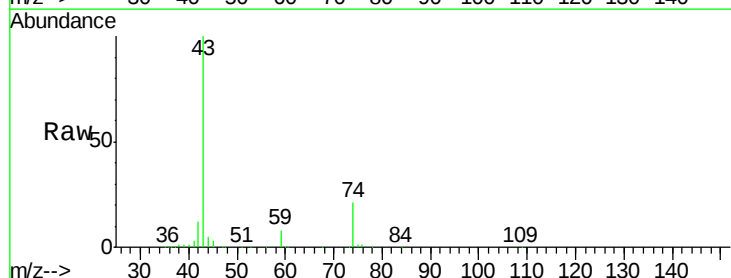
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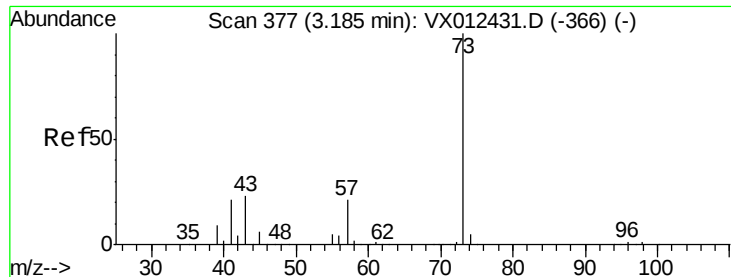
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#18
Methyl Acetate
Concen: 21.179 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.7	26.5





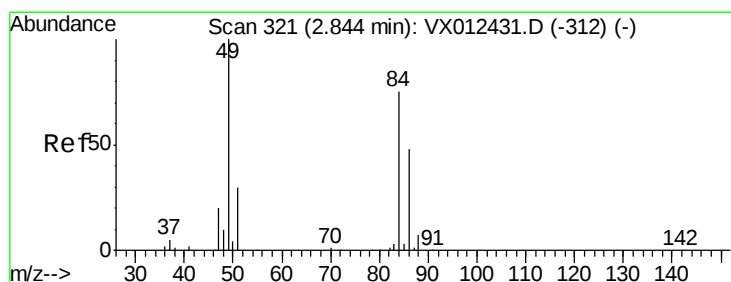
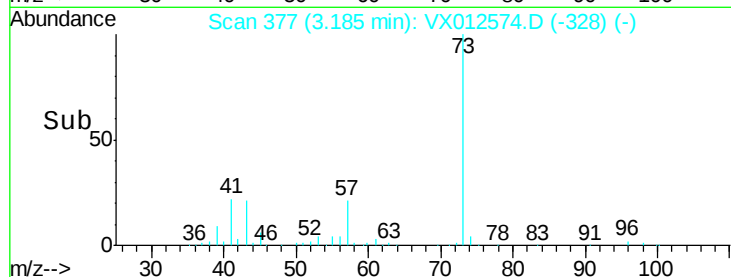
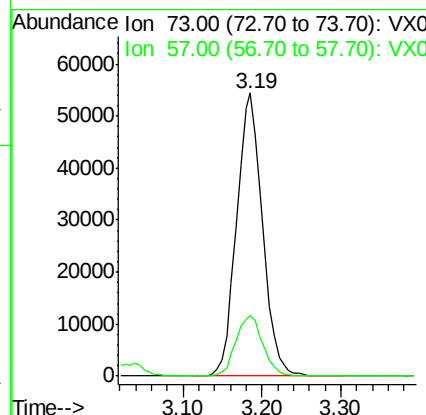
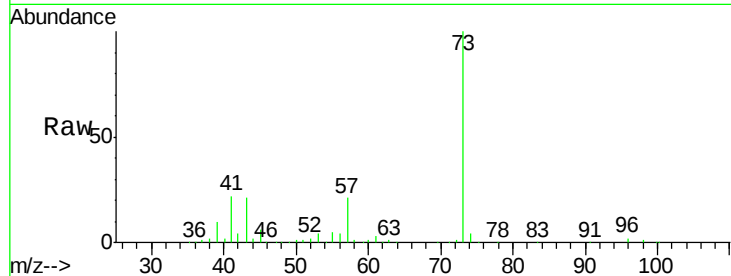
#19
Methvl tert-butvl Ether
Concen: 21.360 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion: 73 Resp: 124173
Ion Ratio Lower Upper
73 100
57 21.2 16.8 25.2

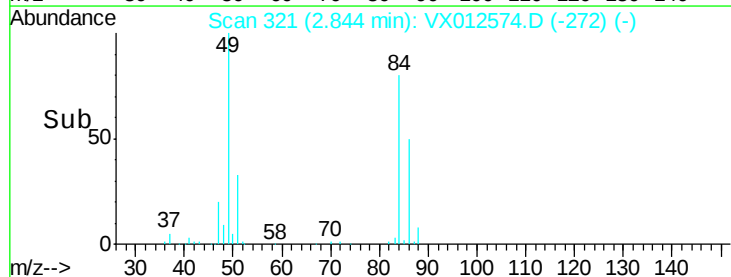
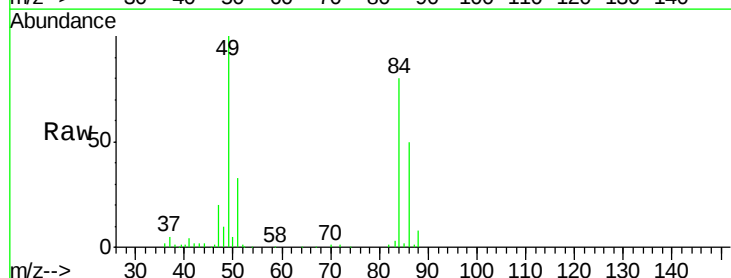
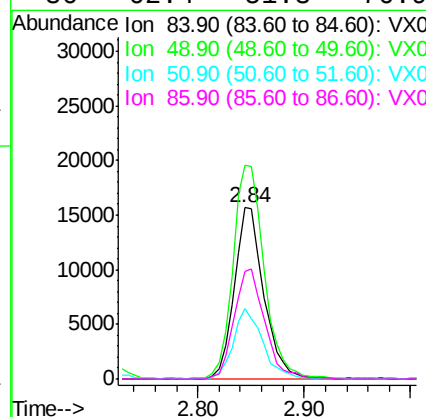
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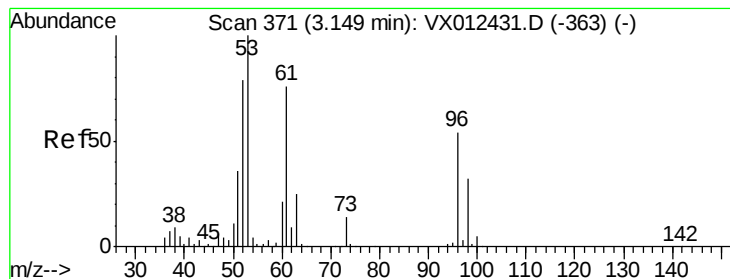
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#20
Methylene Chloride
Concen: 20.831 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion: 84 Resp: 30642
Ion Ratio Lower Upper
84 100
49 124.1 106.8 160.2
51 40.7 32.3 48.5
86 62.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 21.471 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 96 Resp: 23772

Ion Ratio Lower Upper

96 100

61 143.3 112.0 168.0

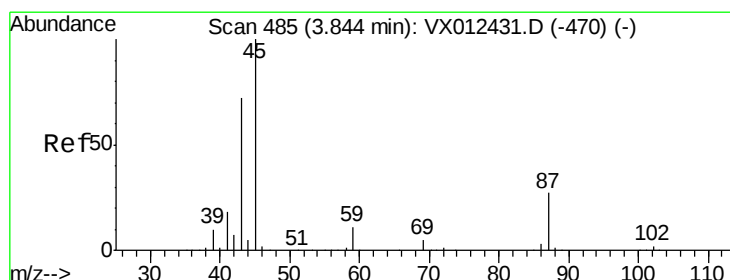
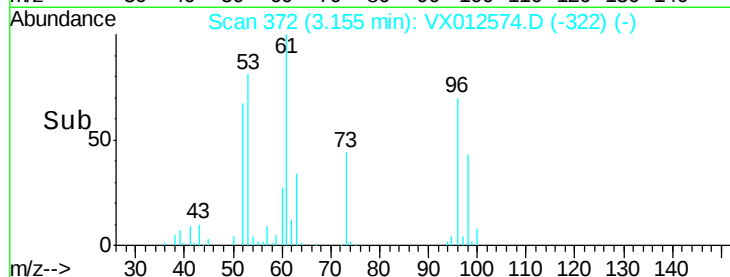
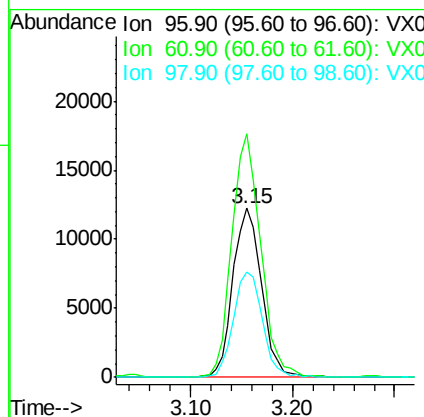
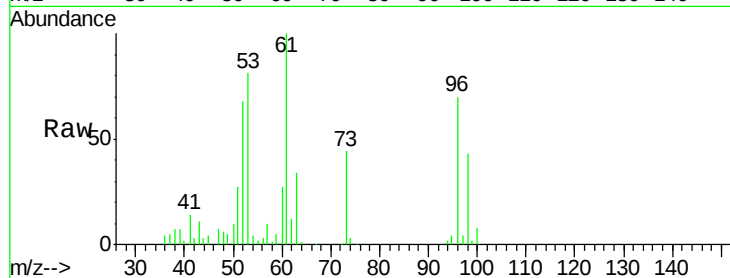
98 62.0 47.8 71.8

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#22

Diisopropyl ether

Concen: 21.141 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion: 45 Resp: 122870

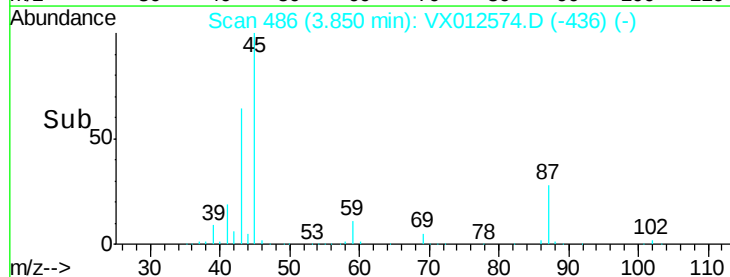
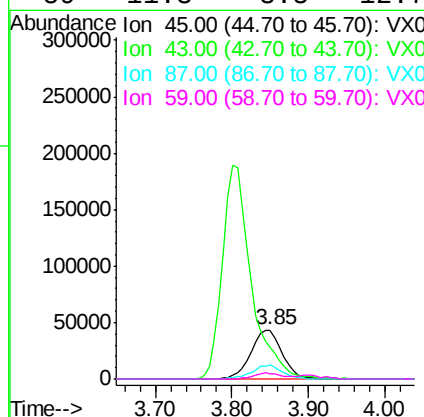
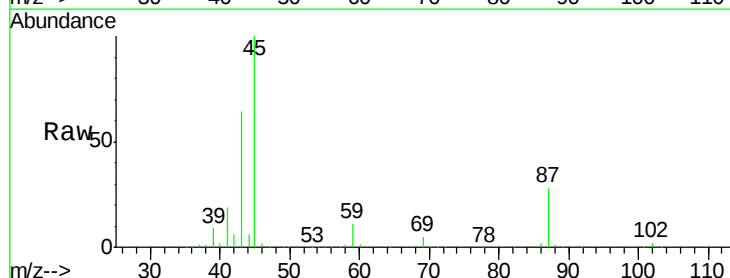
Ion Ratio Lower Upper

45 100

43 64.1 57.8 86.8

87 28.0 21.3 31.9

59 11.3 8.5 12.7





#23

Vinyl Acetate

Concen: 104.817 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 43 Resp: 501135

Ion Ratio Lower Upper

43 100

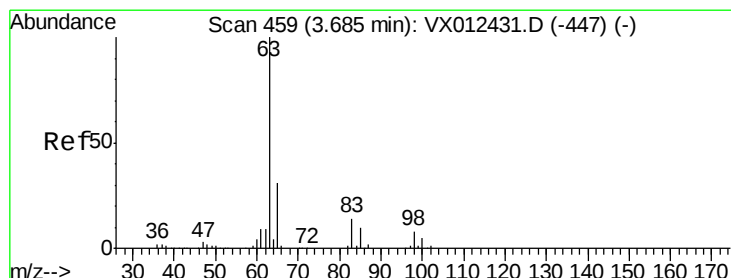
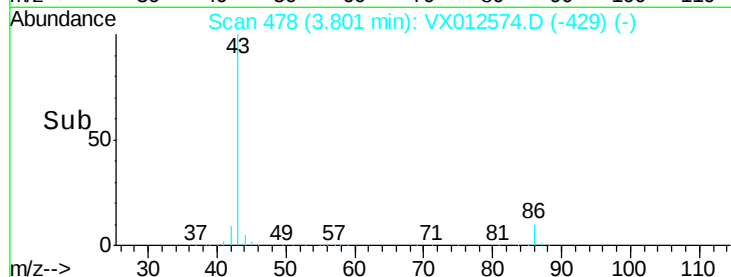
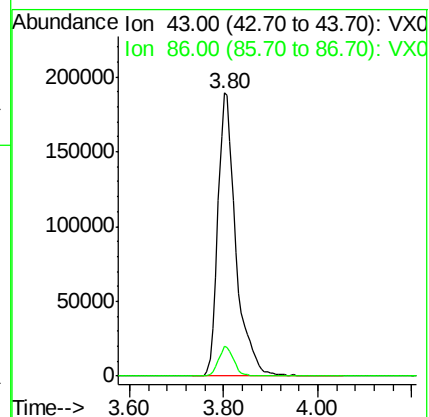
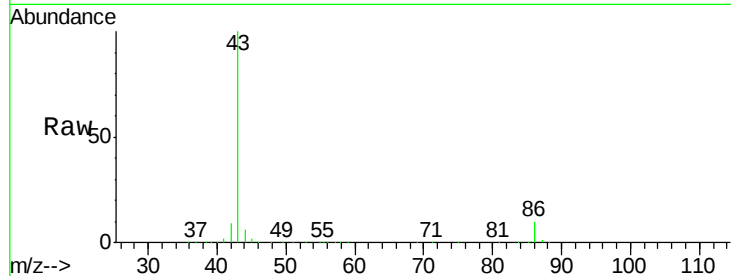
86 10.4 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.461 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

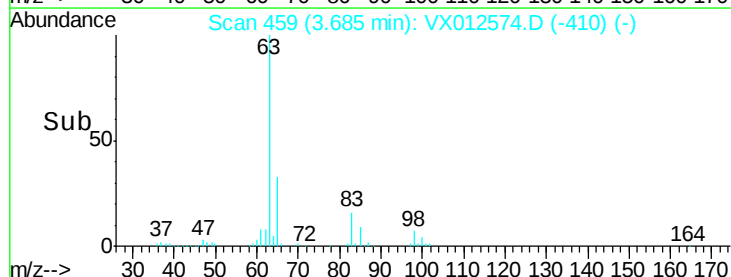
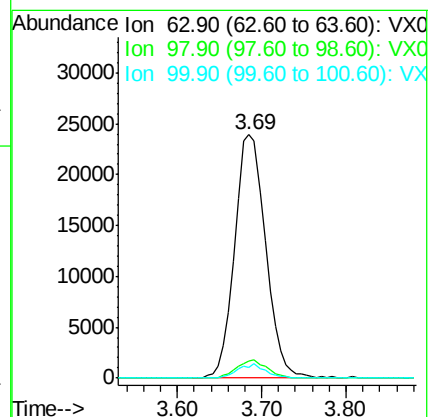
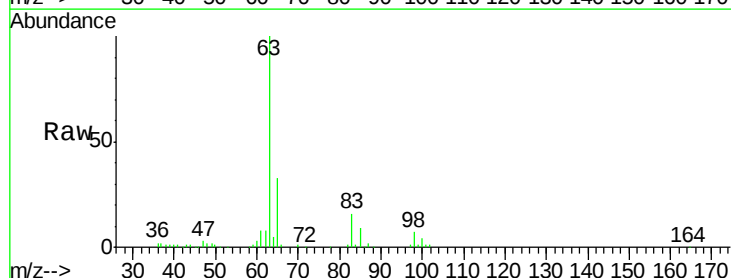
Tgt Ion: 63 Resp: 59680

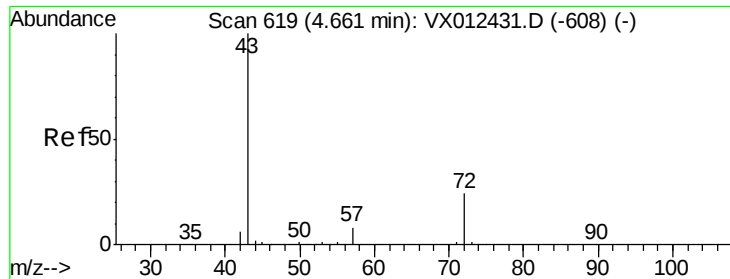
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

100 4.2 2.3 6.9





#25

2-Butanone

Concen: 97.769 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 43 Resp: 164835

Ion Ratio Lower Upper

43 100

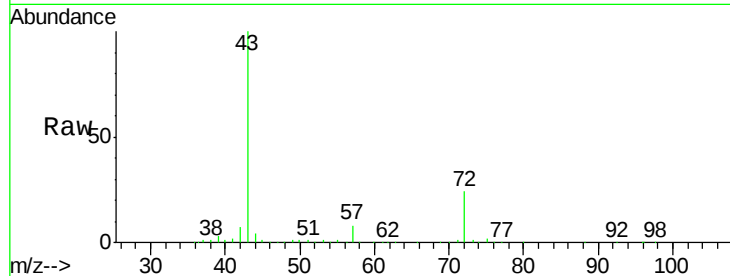
72 23.8 19.2 28.8

Manual Integrations

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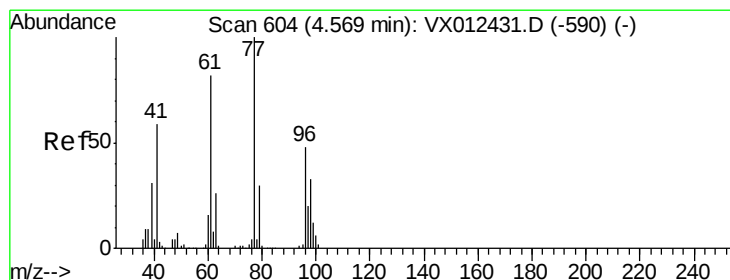
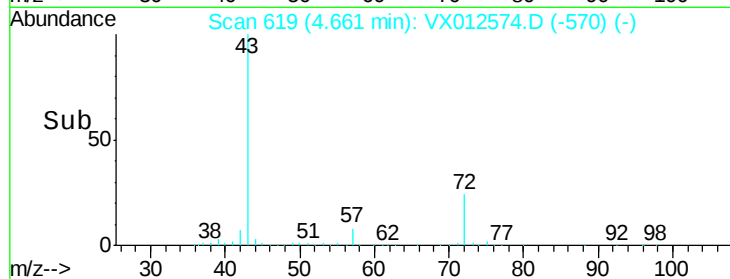
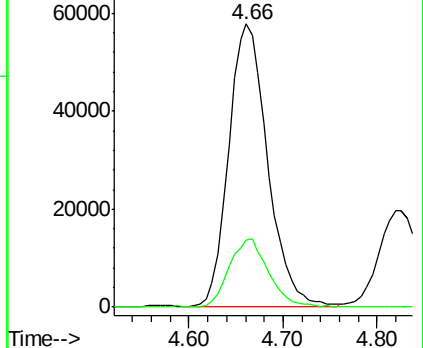
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.943 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012574.D

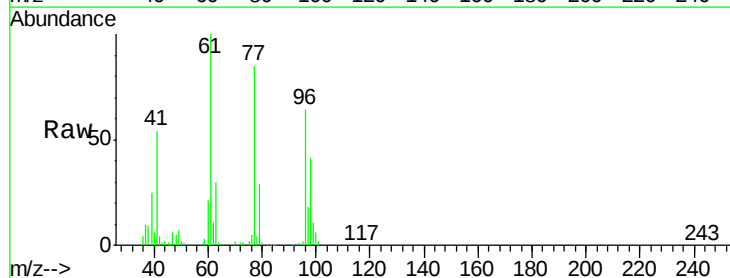
Acq: 20 Sep 2019 22:35

Tgt Ion: 77 Resp: 46338

Ion Ratio Lower Upper

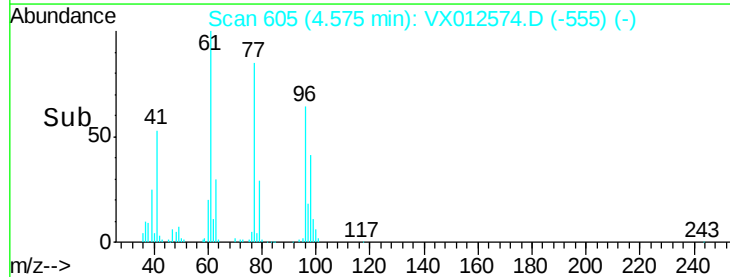
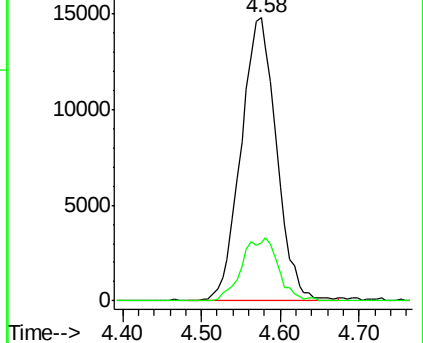
77 100

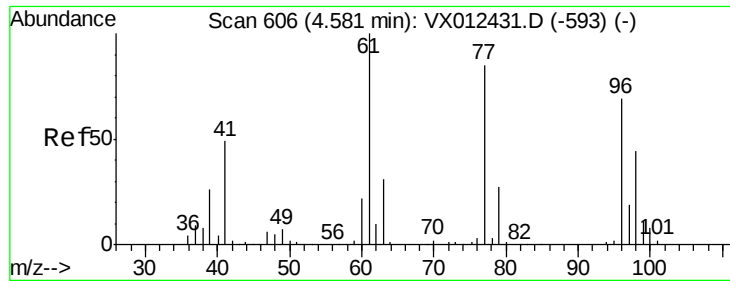
97 22.7 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

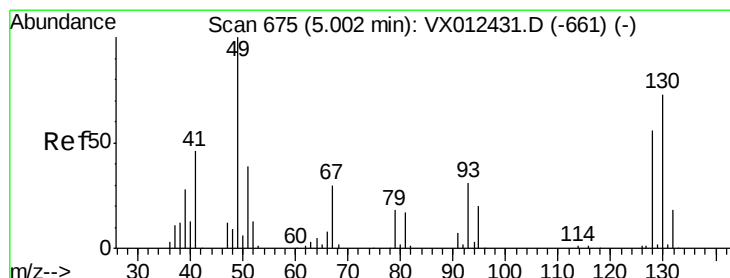
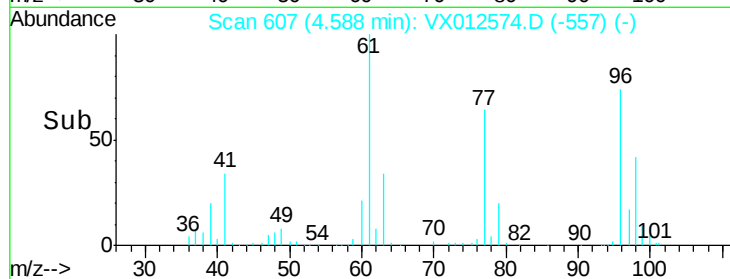
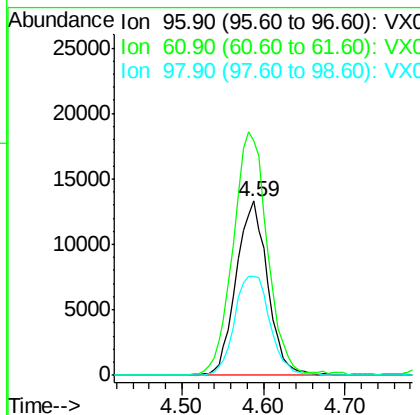
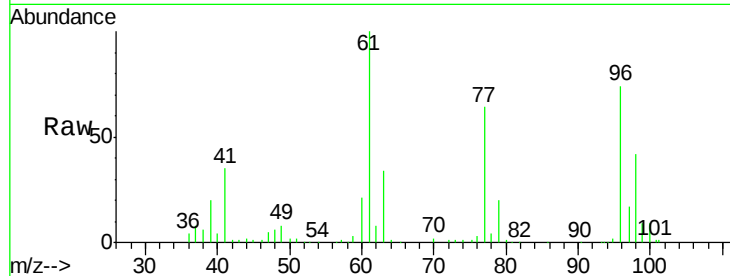
cis-1,2-Dichloroethene
Concen: 21.620 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	35758		
61	151.3	0.0	319.4	
98	64.2	0.0	130.6	

Manual Integrations
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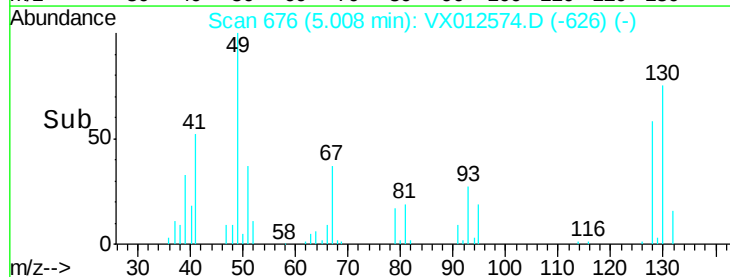
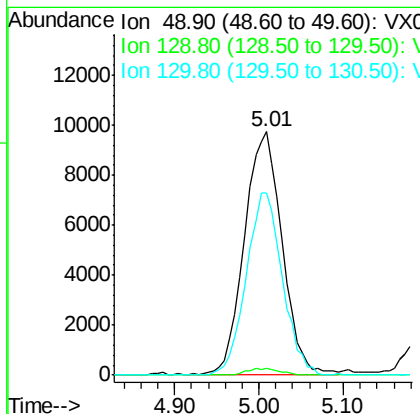
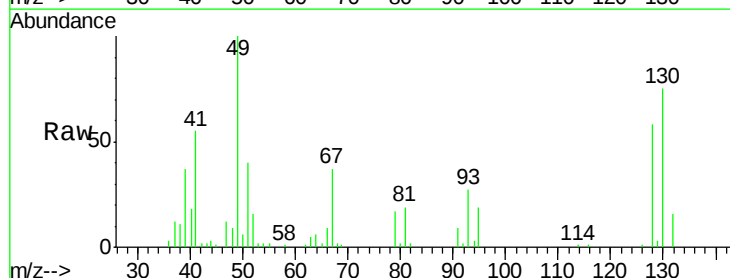
MMDadoda
9/23/2019 11:28:50 AM

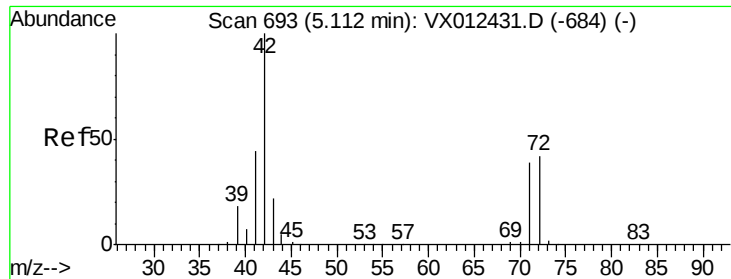


#28

Bromochloromethane
Concen: 20.690 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29662		
129	2.3	0.0	3.8	
130	71.6	58.2	87.4	





#29

Tetrahydrofuran

Concen: 107.361 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

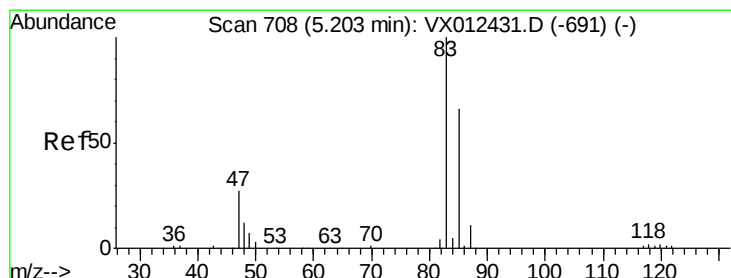
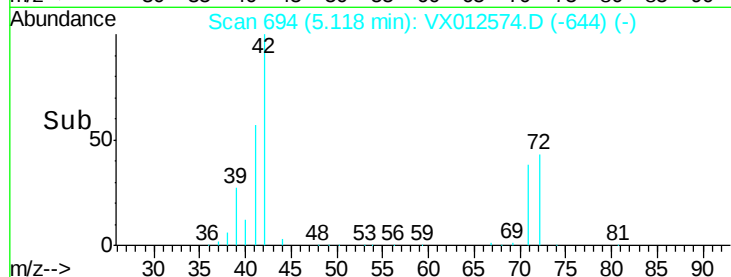
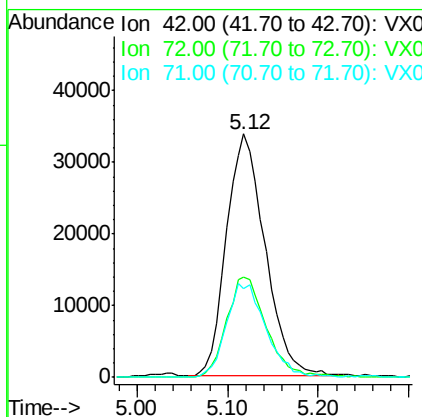
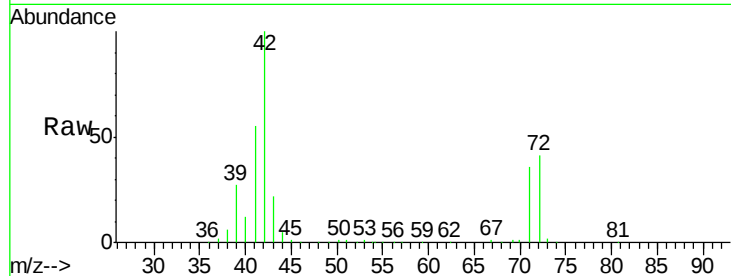
ClientSampleId :

VX0920WBS02

Tot Ion:	42	Resp:	99995
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.0	51.0
71	39.4	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 20.761 ug/l

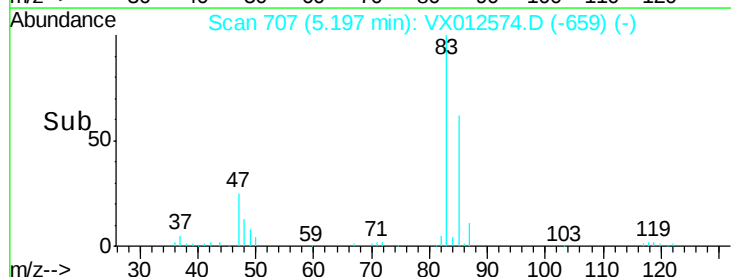
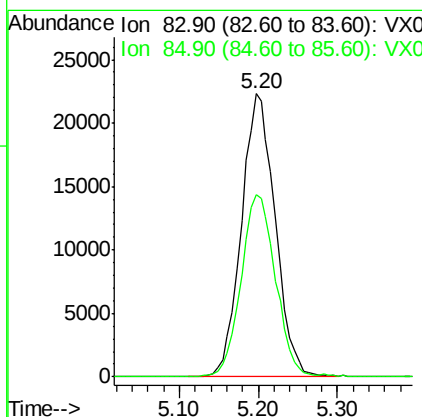
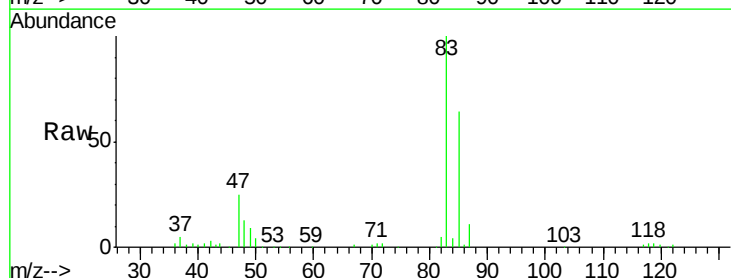
RT: 5.20 min Scan# 707

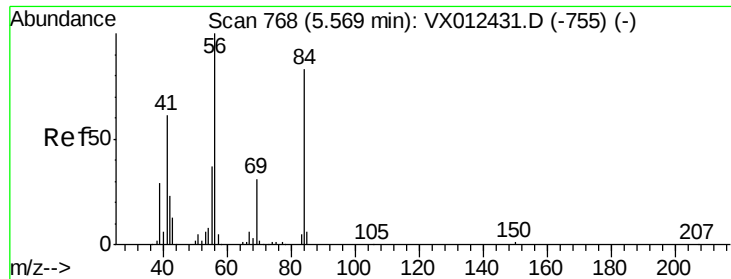
Delta R.T. -0.01 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion:	83	Resp:	66303
Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.0	79.4





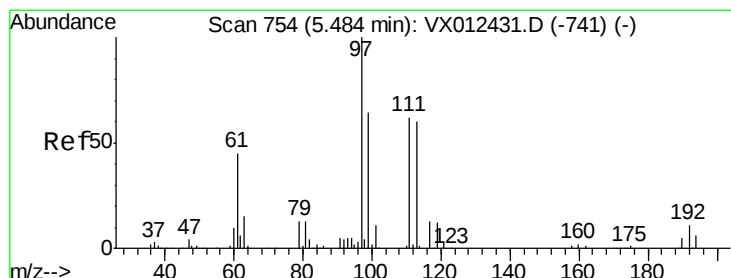
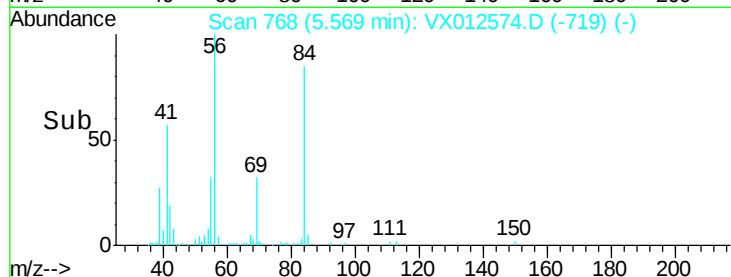
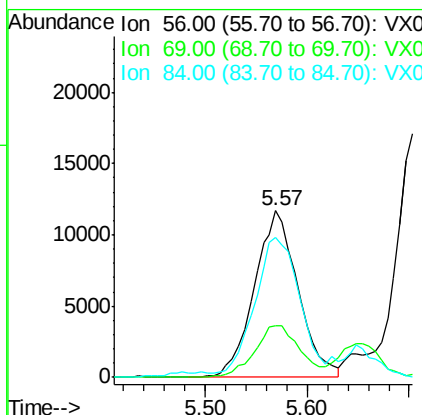
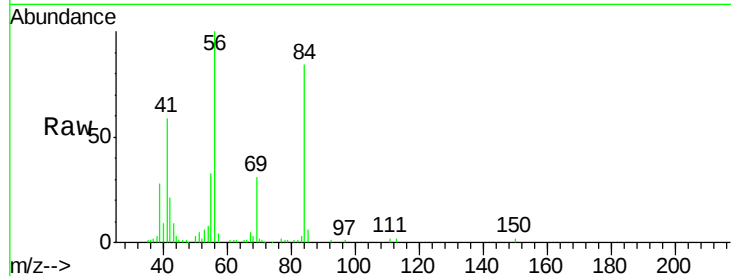
#31
Cyclohexane
Concen: 20.617 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.0	37.6
84	82.2	66.4	99.6

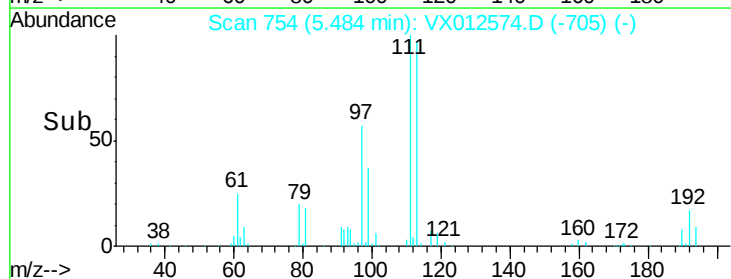
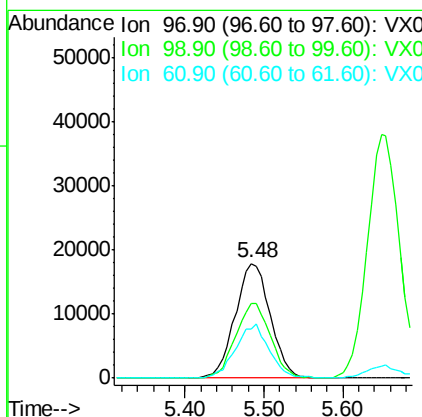
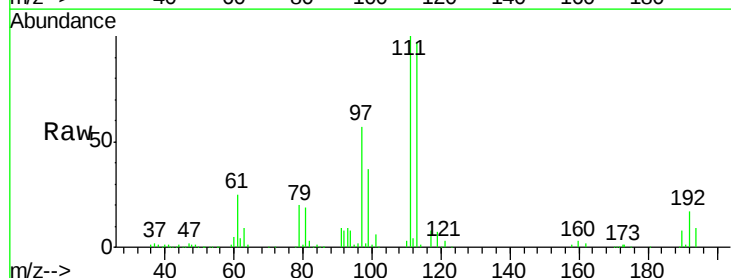
Manual Integrations
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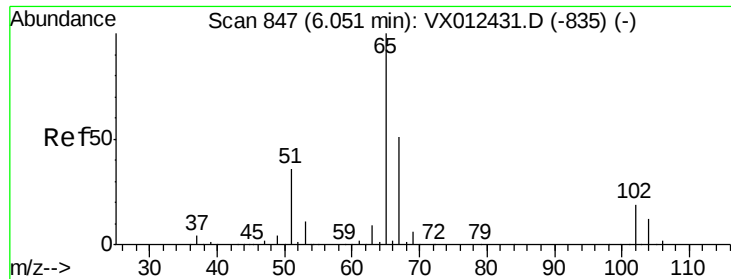
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.690 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	45.2	36.1	54.1





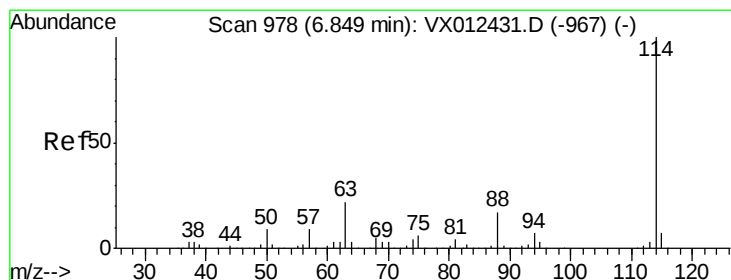
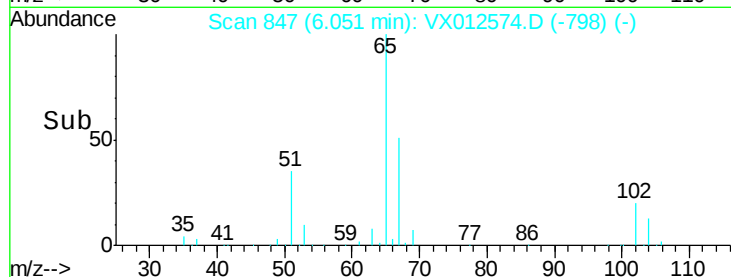
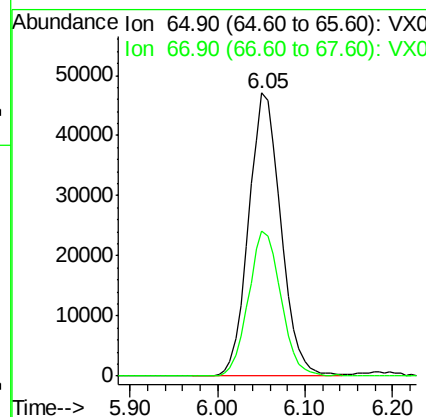
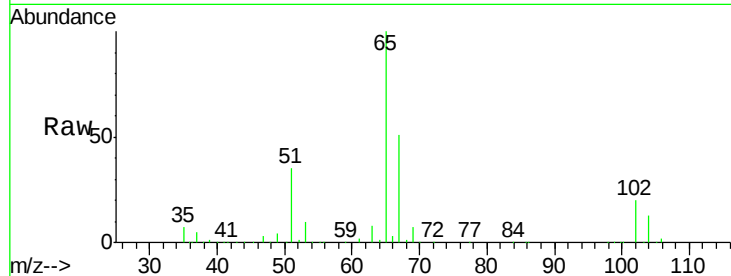
#33
 1,2-Dichloroethane-d4
 Concen: 49.683 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampled :
 VX0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120755		
67	51.8	0.0	101.2	

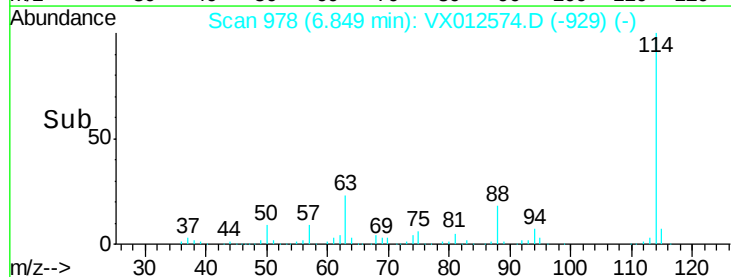
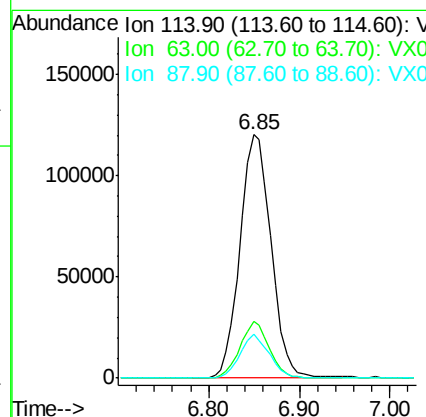
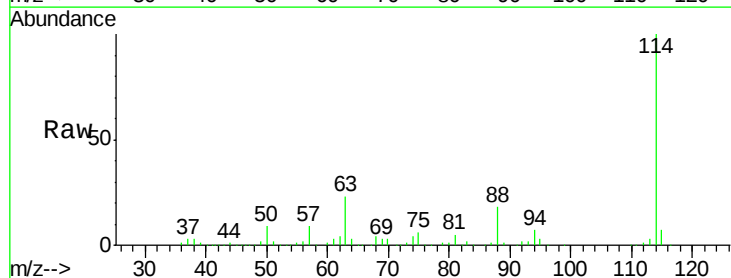
Manual Integrations
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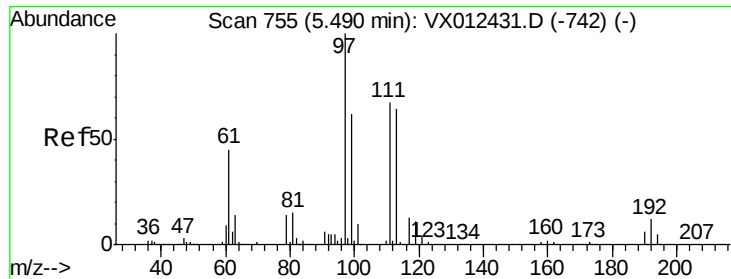
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 9/23/2019 11:28:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	286412		
63	23.0	0.0	43.2	
88	17.9	0.0	33.2	





#35

Dibromofluoromethane

Concen: 51.092 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

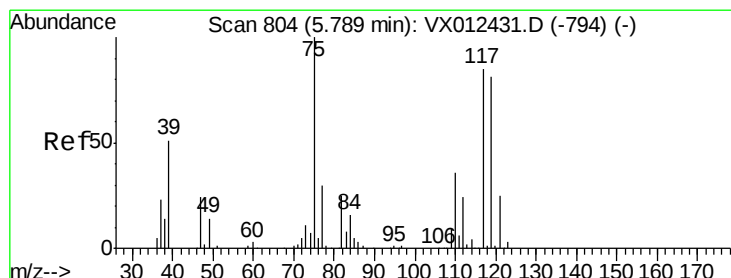
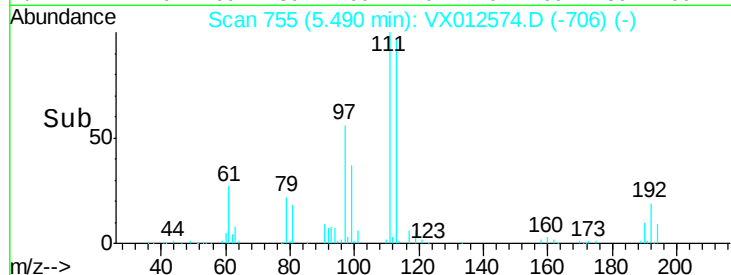
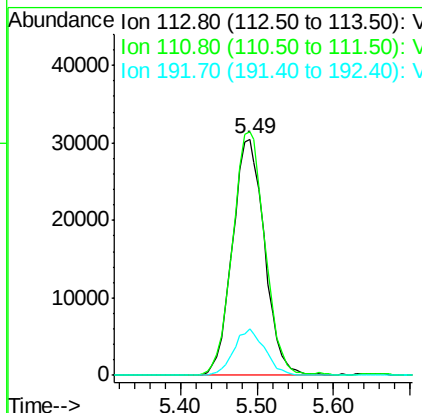
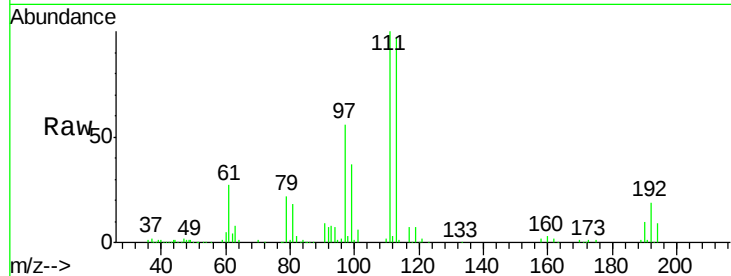
ClientSampleId :

VX0920WBS02

Tot Ion:	113	Resp:	88569
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.4	125.2
192	18.9	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.315 ug/l

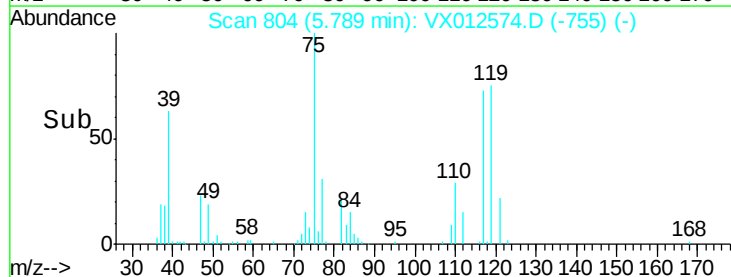
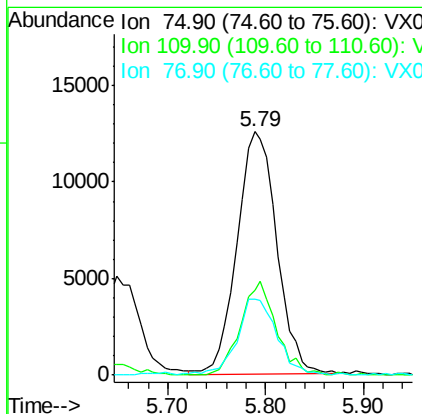
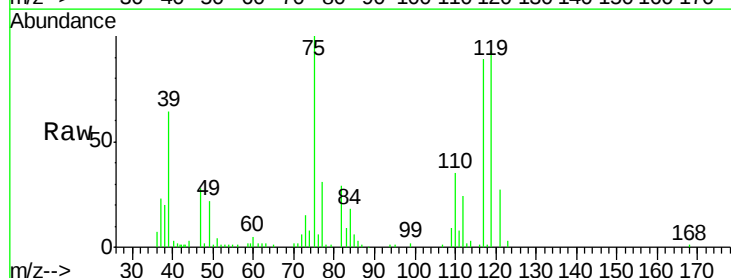
RT: 5.79 min Scan# 804

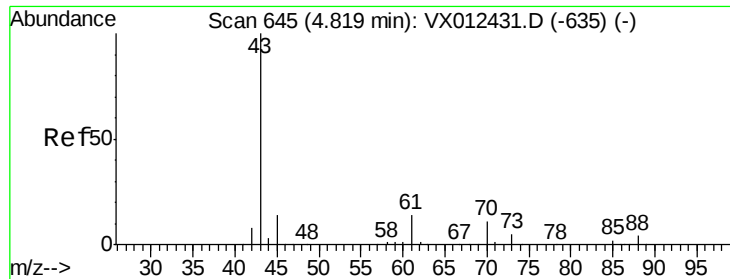
Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion:	75	Resp:	35361
Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.0
77	30.5	24.2	36.2





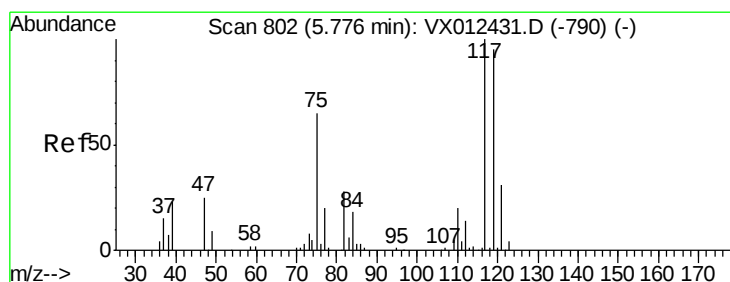
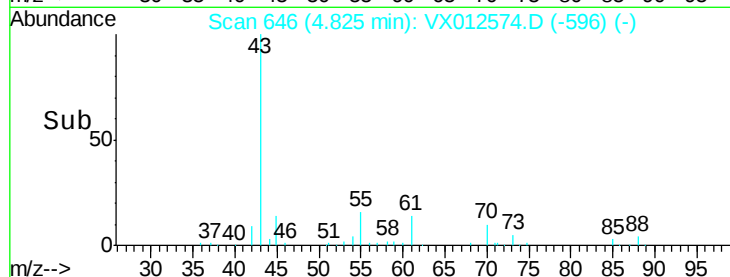
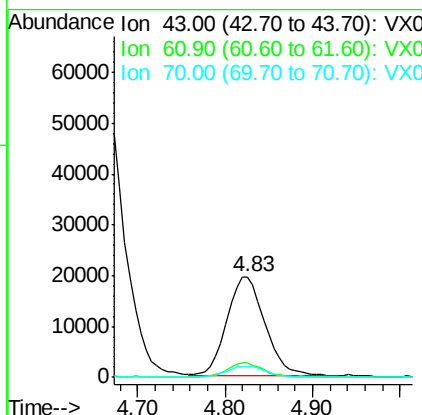
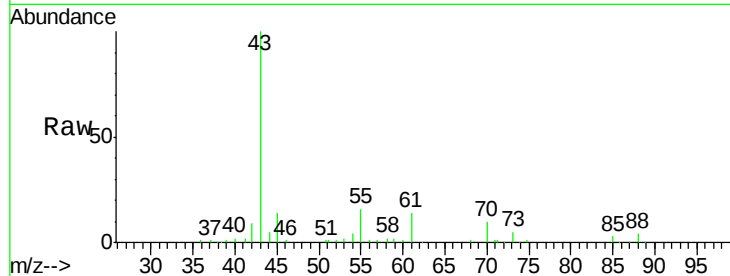
#37
Ethyl Acetate
Concen: 22.135 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.2	15.4
70	11.4	8.7	13.1

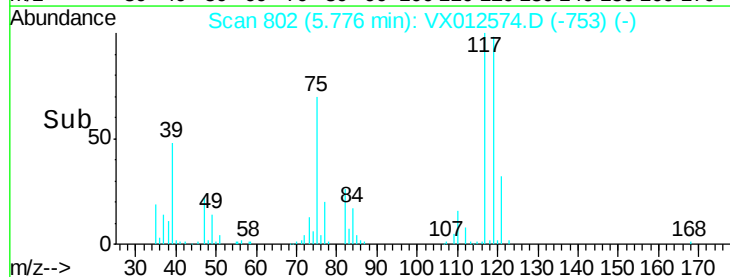
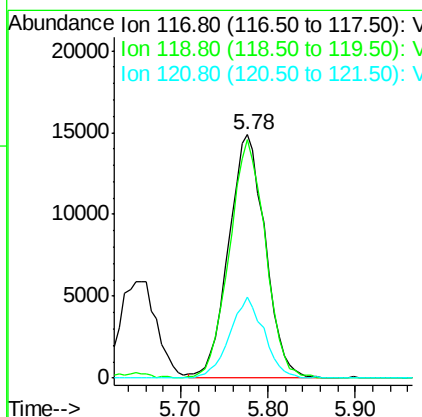
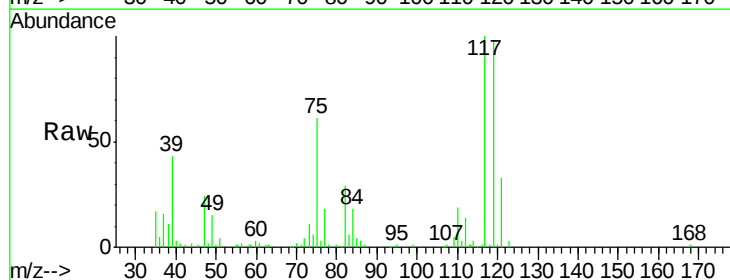
Manual Integrations
APPROVED

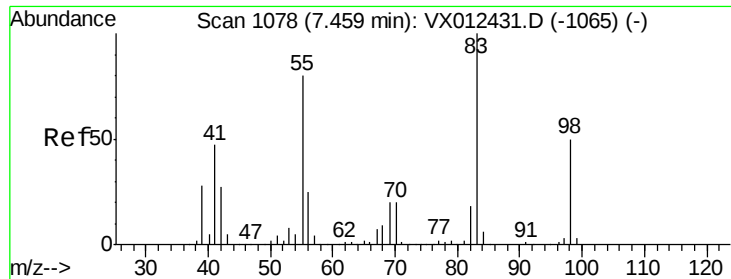
MMDadoda
9/23/2019 11:28:50 AM



#38
Carbon Tetrachloride
Concen: 20.020 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.7	113.5
121	33.2	24.2	36.4





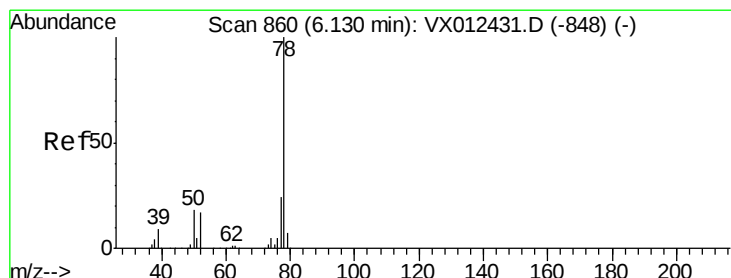
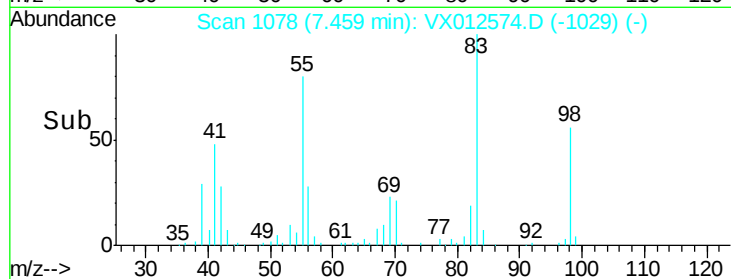
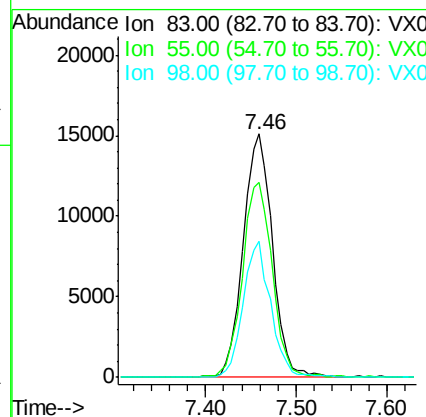
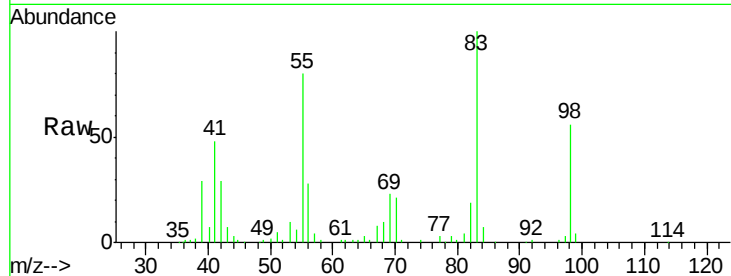
#39
Methvlcvclohexane
Concen: 19.921 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	64.4	96.6
98	55.7	40.1	60.1

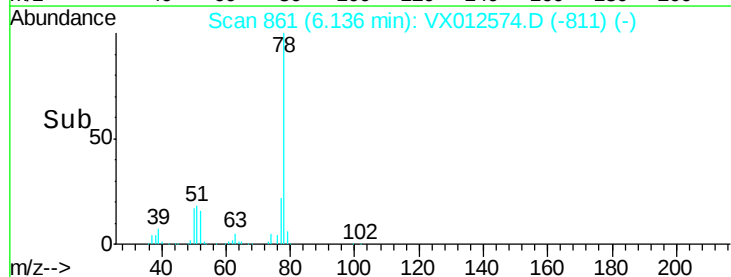
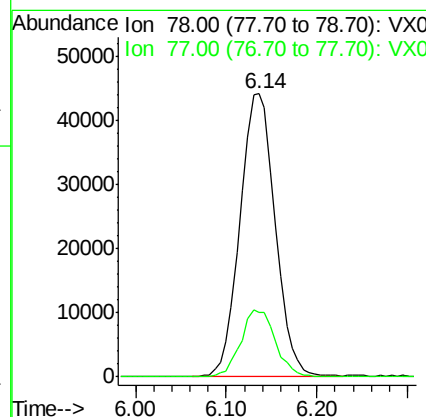
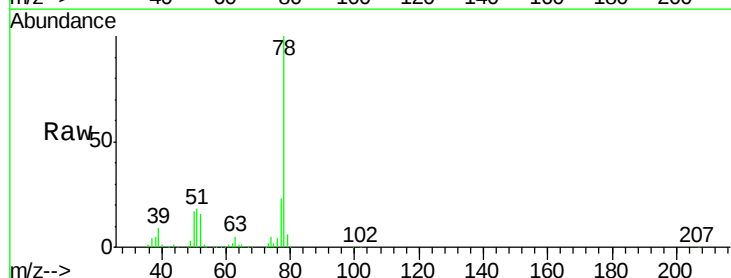
Manual Integrations
APPROVED

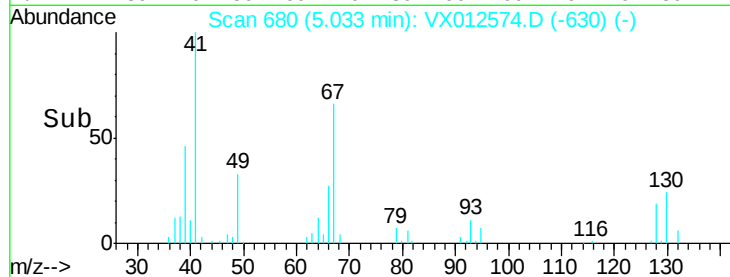
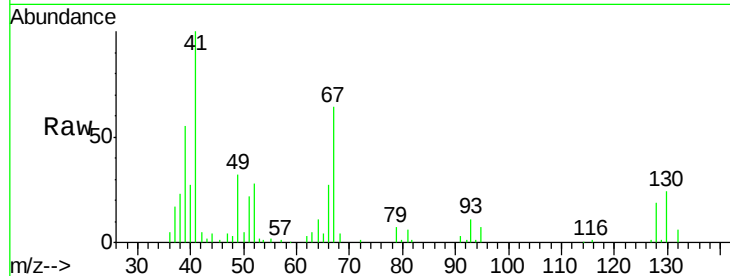
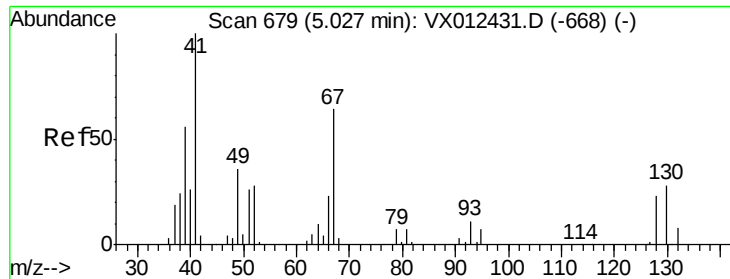
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#40
Benzene
Concen: 21.515 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.2	28.8





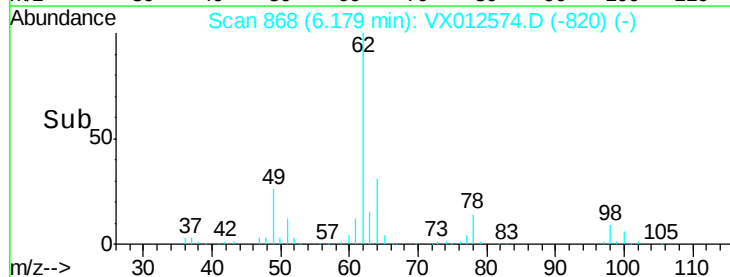
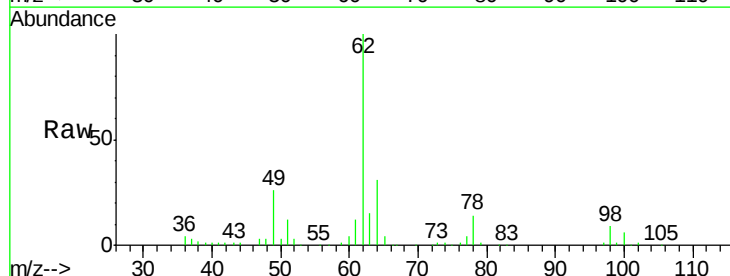
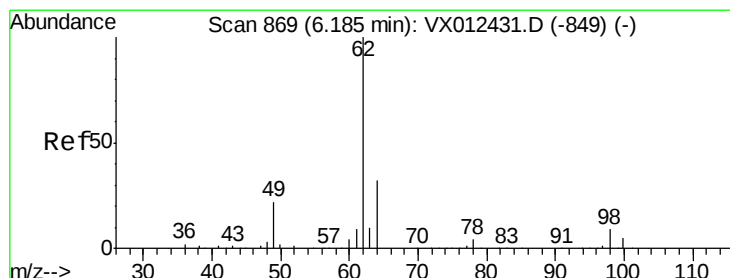
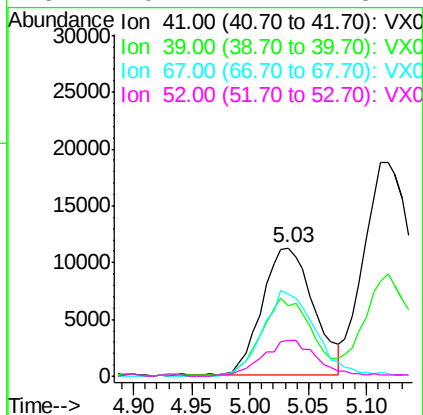
#41
Methacrylonitrile
Concen: 20.126 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tot Ion	41	Resp	34626
Ion Ratio	Lower	Upper	
41	100		
39	58.8	46.0	69.0
67	68.3	52.2	78.2
52	29.1	22.7	34.1

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

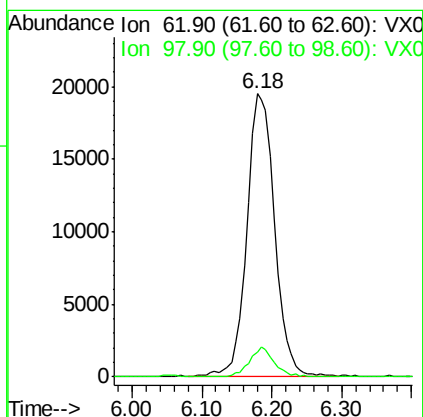
Manual Integrations
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9/23/2019 11:28:50 AM



#42
1,2-Dichloroethane
Concen: 21.012 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	62	Resp	53944
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	17.8





#43

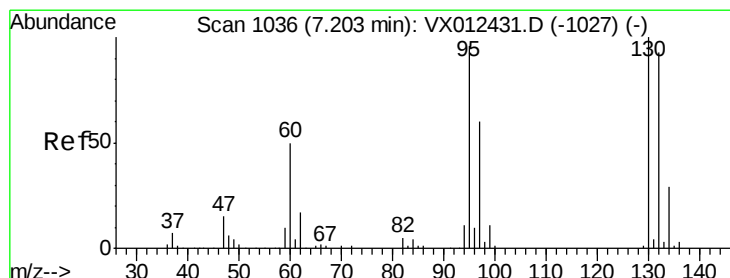
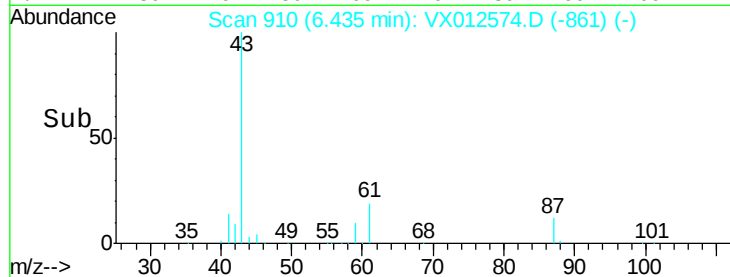
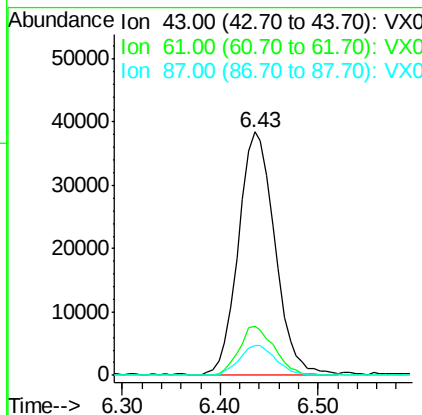
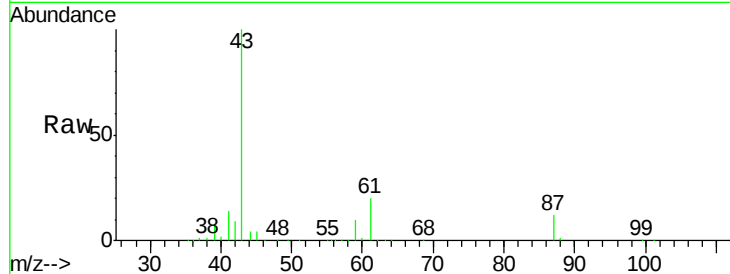
Isopropyl Acetate
 Concen: 20.588 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS02

Tot Ion	43	61	87
Resp	98734		
Ratio	100	19.9	12.5
Lower		15.4	9.8
Upper		23.0	14.8

Manual Integrations
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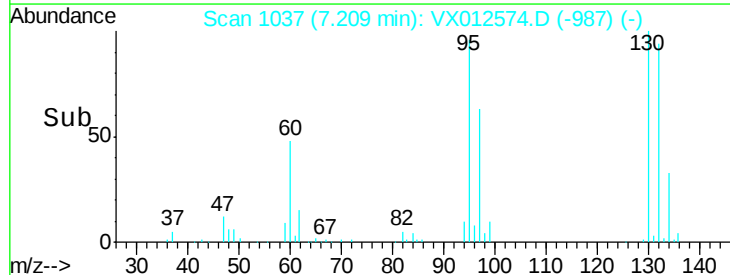
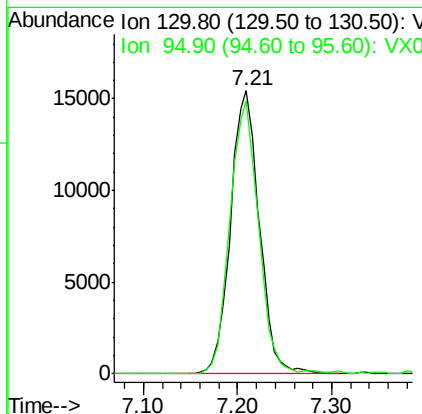
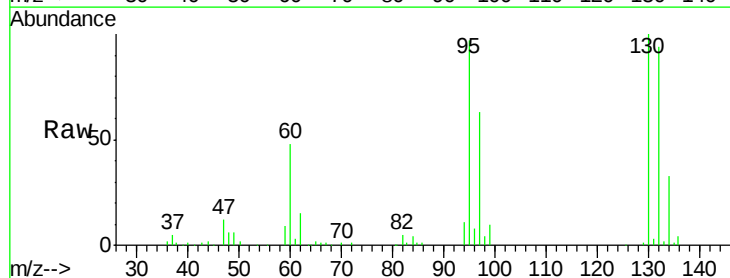
MMDadoda
 9/23/2019 11:28:50 AM



#44

Trichloroethene
 Concen: 22.536 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Tgt Ion	130	95
Resp	32814	
Ratio	100	96.5
Lower		0.0
Upper		193.0





#45

1,2-Dichloropropane

Concen: 20.927 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 63 Resp: 35588

Ion Ratio Lower Upper

63 100

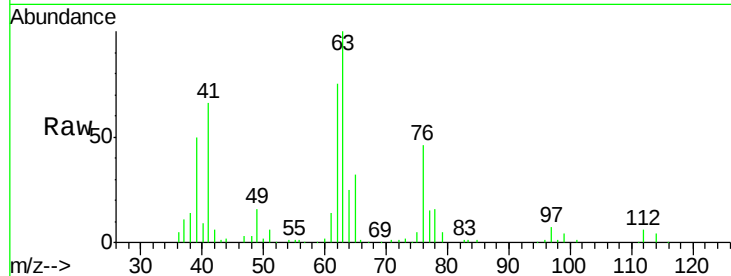
65 31.9 25.0 37.6

Manual Integrations

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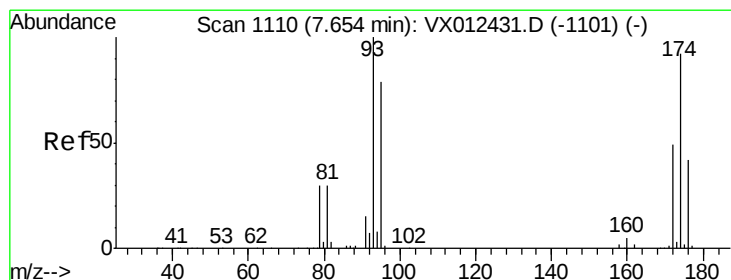
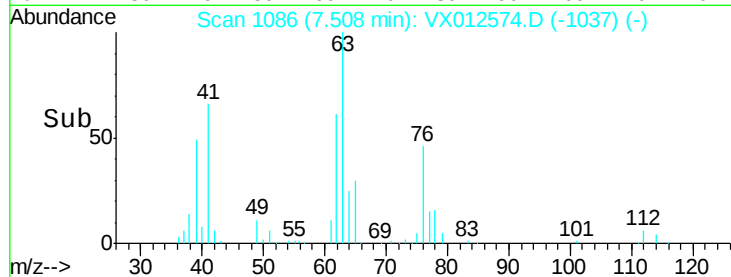
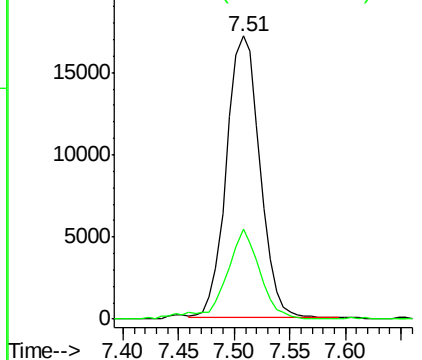
MMDadoda

9/23/2019 11:28:50 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.502 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

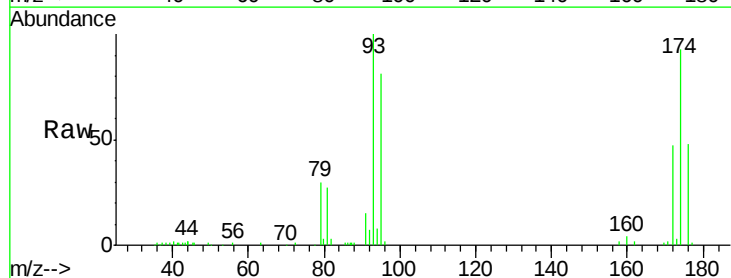
Tgt Ion: 93 Resp: 23663

Ion Ratio Lower Upper

93 100

95 82.4 66.6 100.0

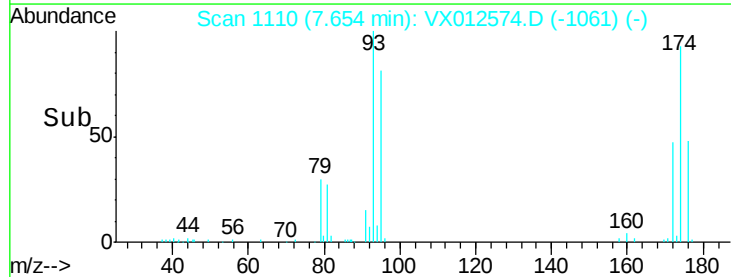
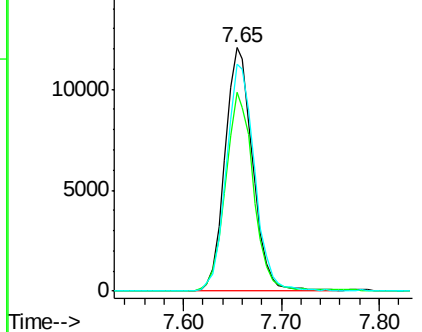
174 95.3 77.4 116.0

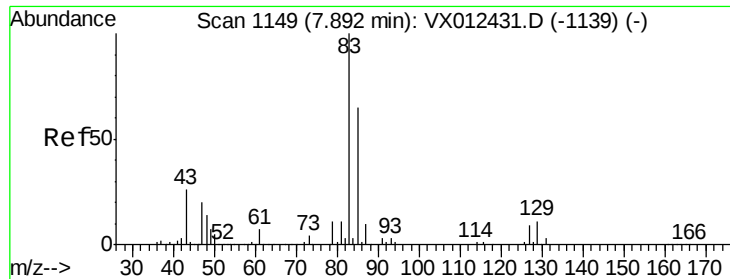


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





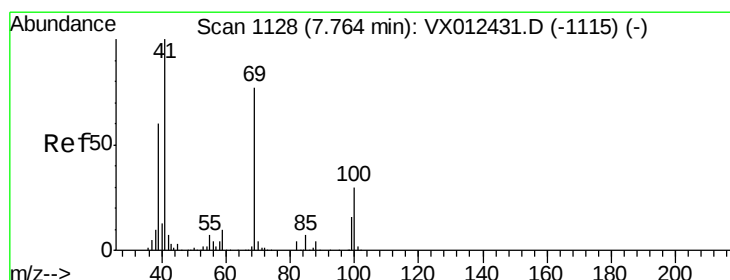
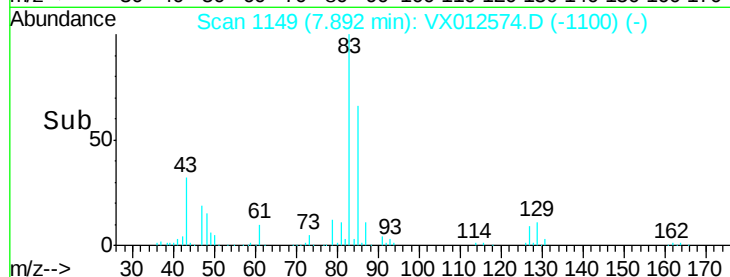
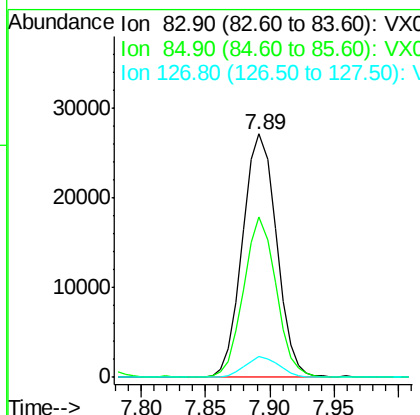
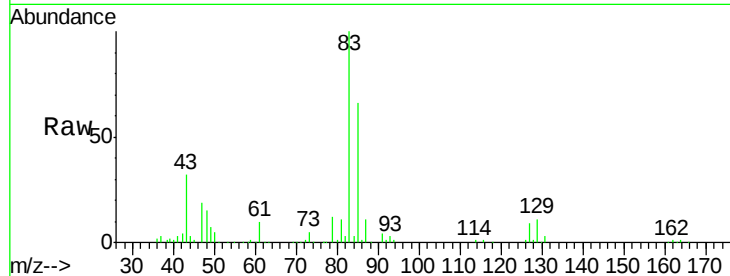
#47
Bromodichloromethane
Concen: 20.269 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	49665		
85	66.1		51.8	77.6
127	8.6		7.3	10.9

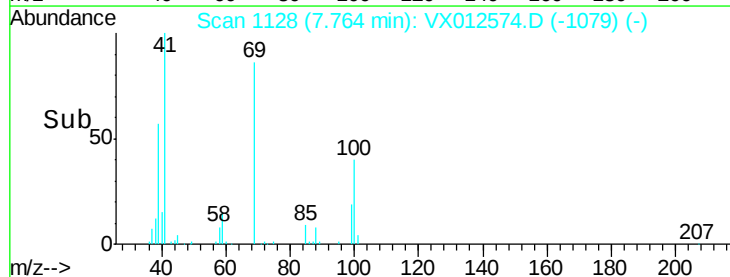
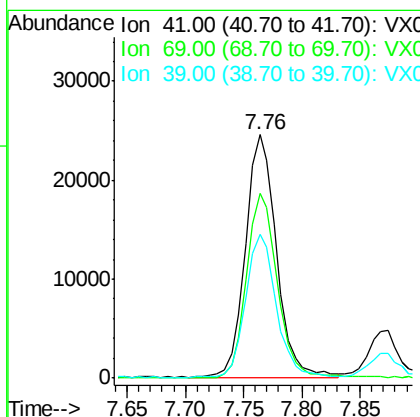
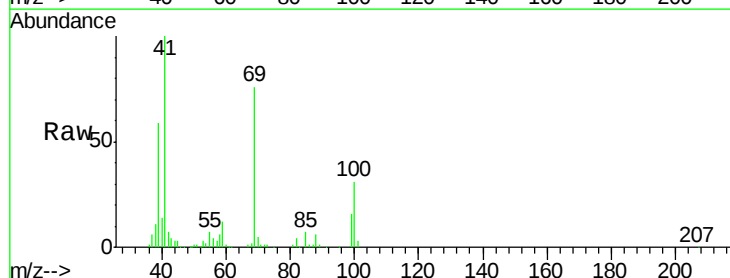
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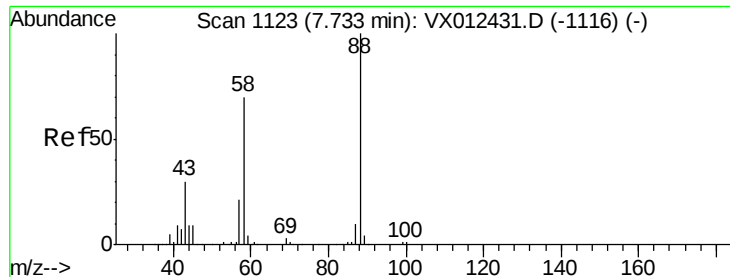
MMDadoda
9/23/2019 11:28:50 AM



#48
Methyl methacrylate
Concen: 20.147 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45544		
69	76.0		59.9	89.9
39	58.5		47.8	71.6





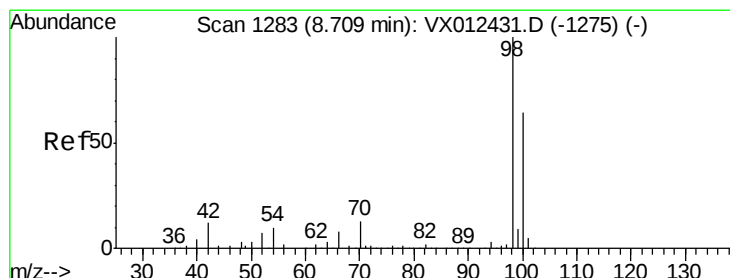
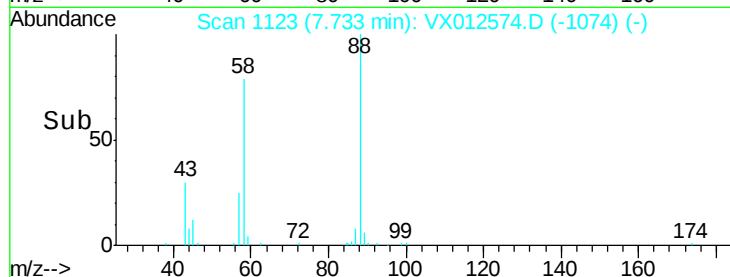
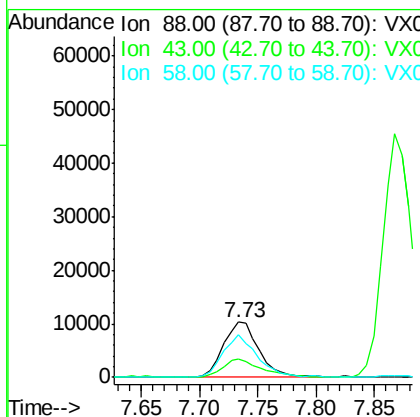
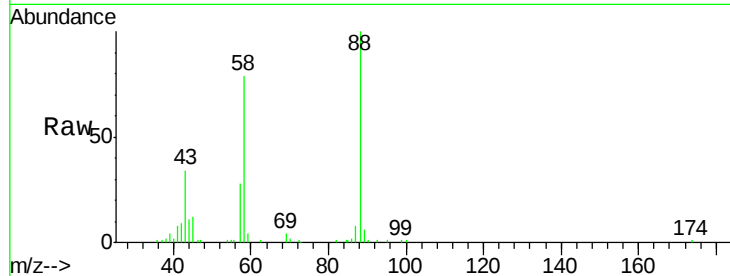
#49
1,4-Dioxane
Concen: 398.442 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.4	44.0
58	74.6	57.5	86.3

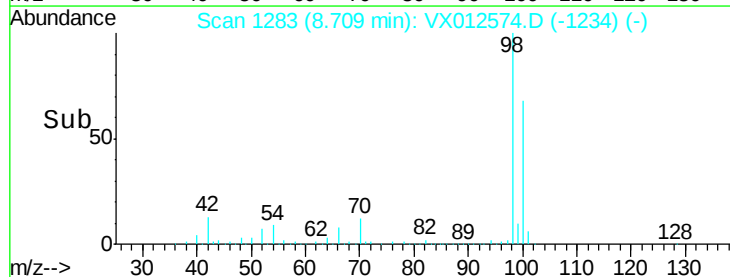
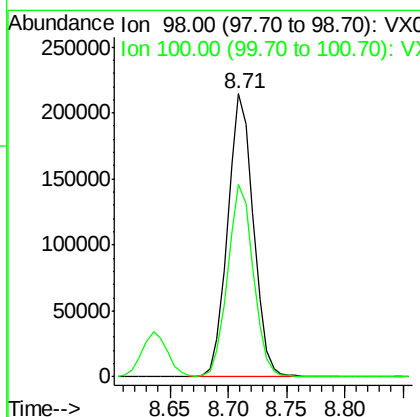
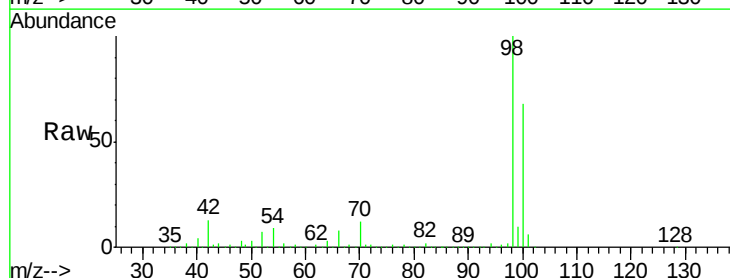
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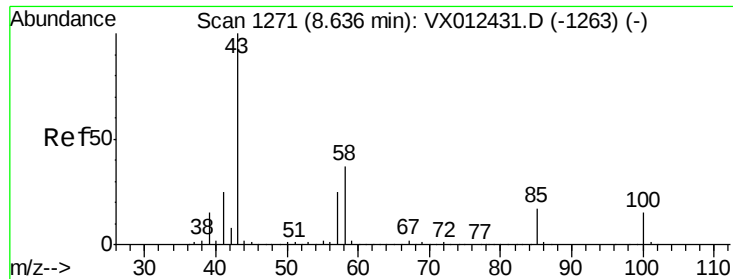
MMDadoda
9/23/2019 11:28:50 AM



#50
Toluene-d8
Concen: 51.379 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 105.824 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 43 Resp: 332810

Ion Ratio Lower Upper

43 100

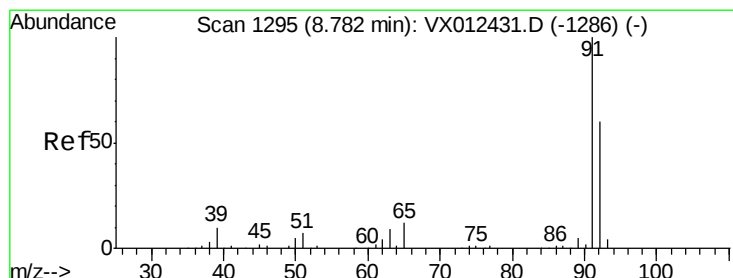
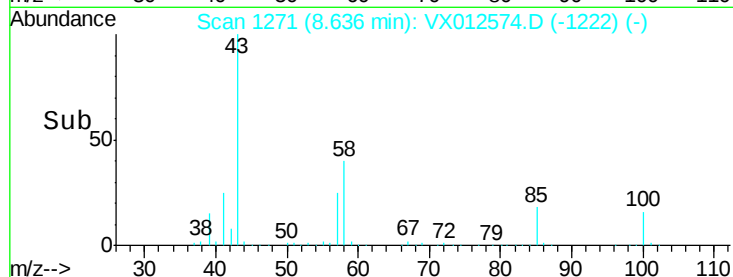
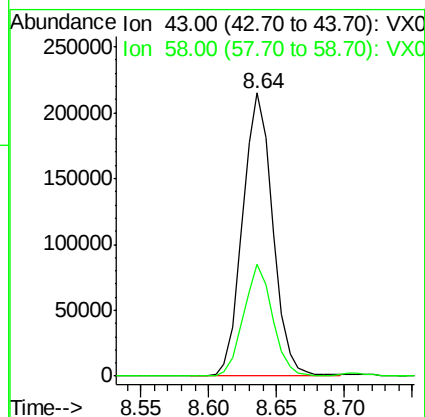
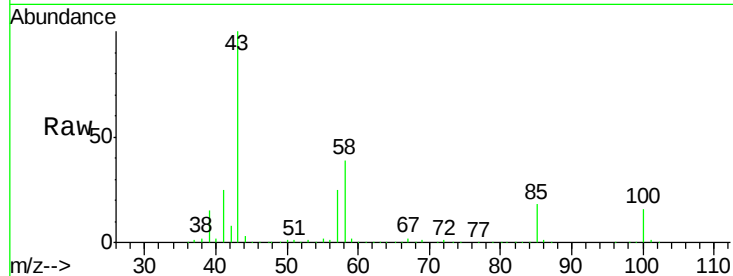
58 38.0 29.8 44.6

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 21.478 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012574.D

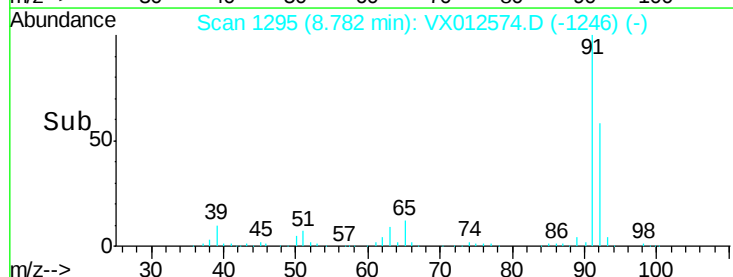
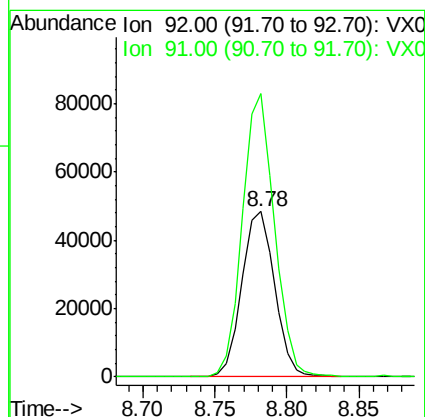
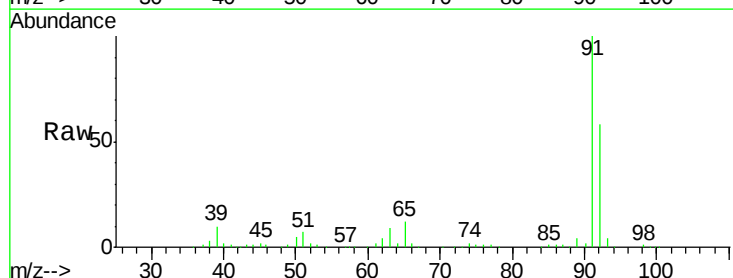
Acq: 20 Sep 2019 22:35

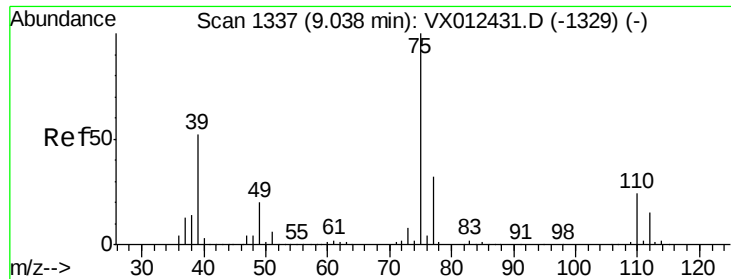
Tgt Ion: 92 Resp: 76606

Ion Ratio Lower Upper

92 100

91 167.4 135.4 203.0





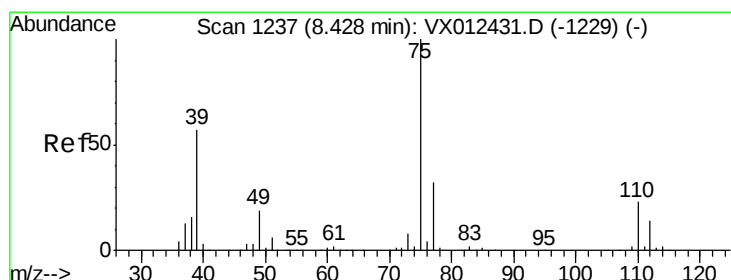
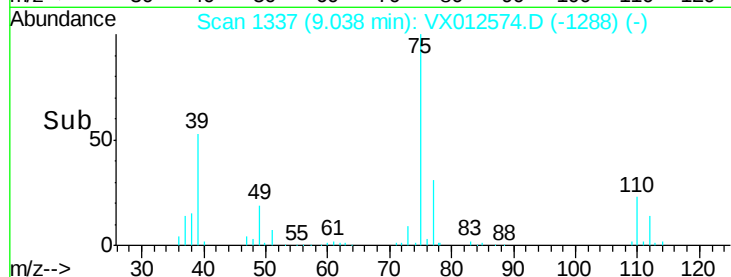
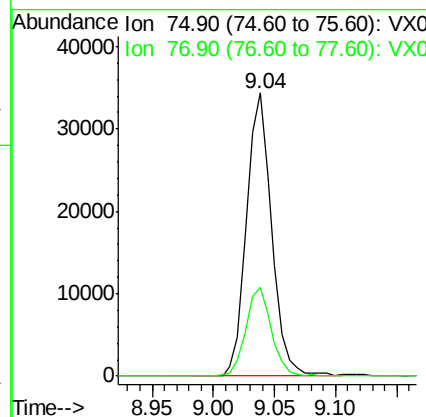
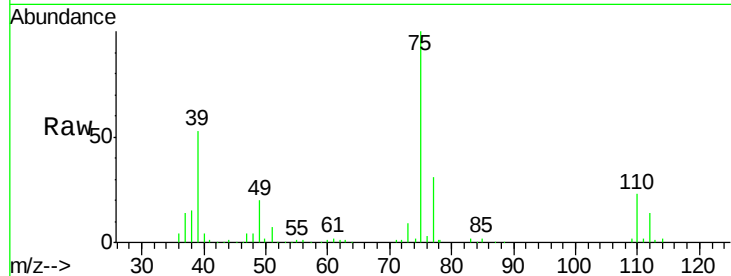
#53
t-1,3-Dichloropropene
Concen: 19.213 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion: 75 Resp: 48938
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8

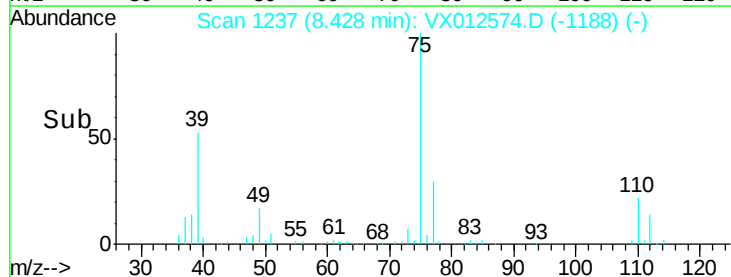
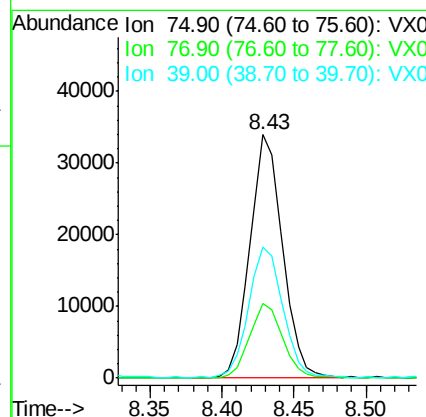
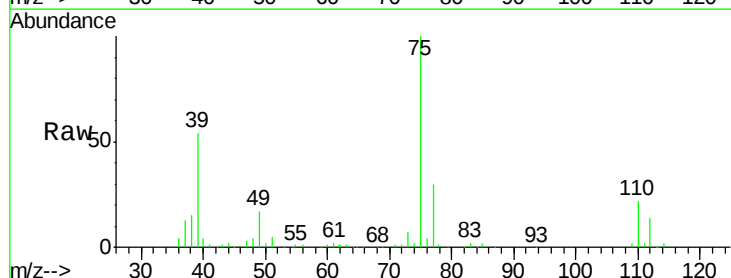
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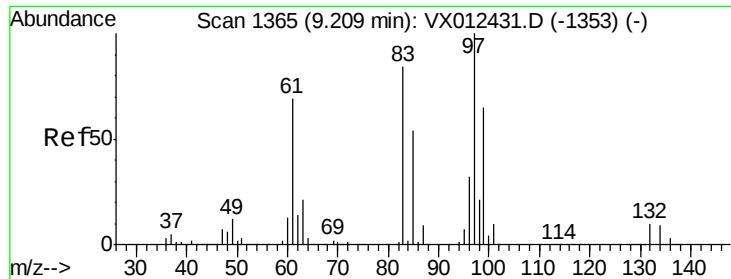
MMDadoda
9/23/2019 11:28:50 AM



#54
cis-1,3-Dichloropropene
Concen: 20.195 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion: 75 Resp: 53252
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.8
39 52.9 45.5 68.3





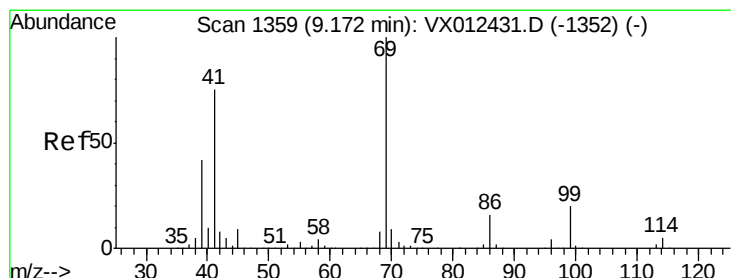
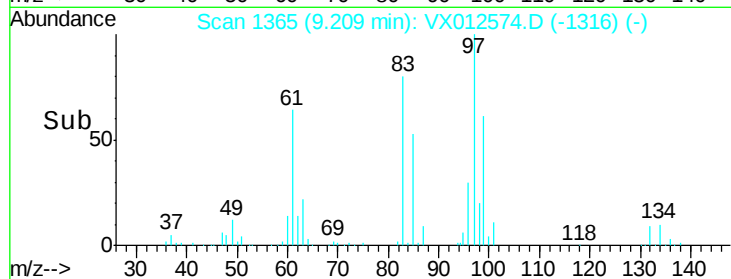
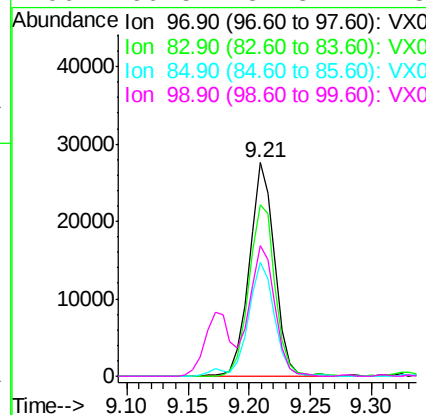
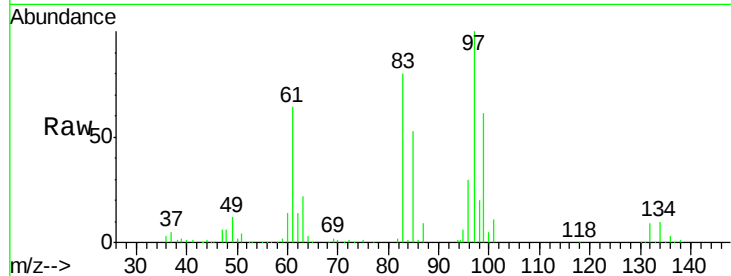
#55
 1,1,2-Trichloroethane
 Concen: 21.628 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS02

Tot Ion:	97	Resp:	39743
Ion	Ratio	Lower	Upper
97	100		
83	80.1	67.4	101.2
85	53.3	43.5	65.3
99	60.5	51.8	77.8

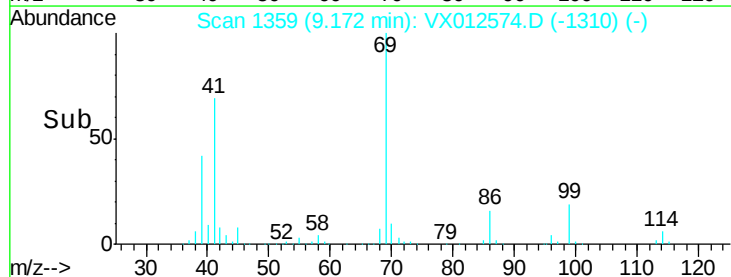
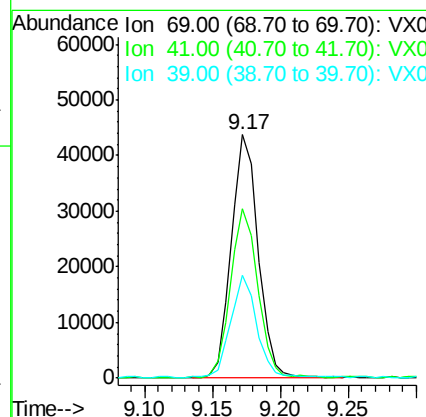
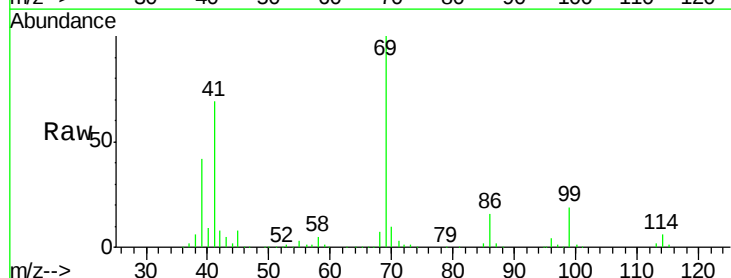
Manual Integrations
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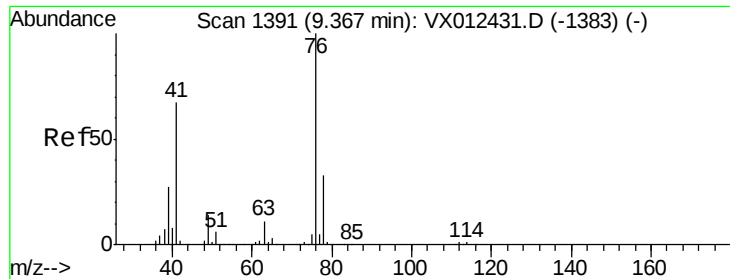
MMDadoda
 9/23/2019 11:28:50 AM



#56
 Ethyl methacrylate
 Concen: 20.988 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Tgt Ion:	69	Resp:	60299
Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.4	87.6
39	40.5	33.4	50.0





#57

1,3-Dichloropropane

Concen: 21.648 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 76 Resp: 63470

Ion Ratio Lower Upper

76 100

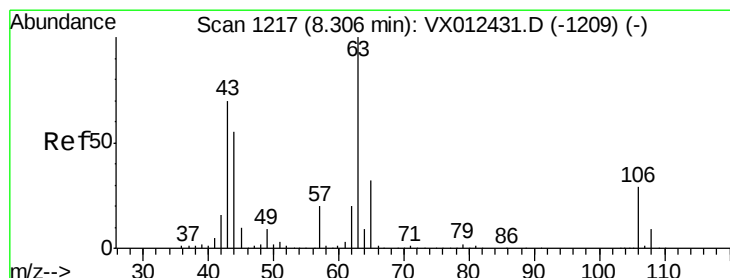
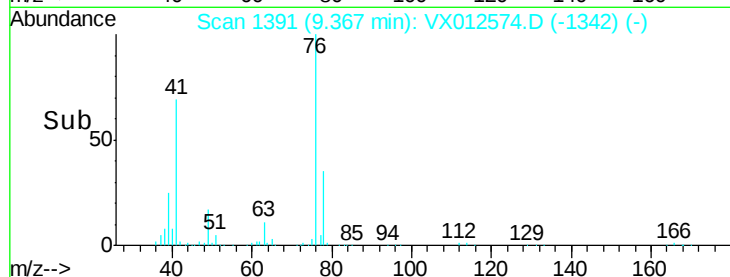
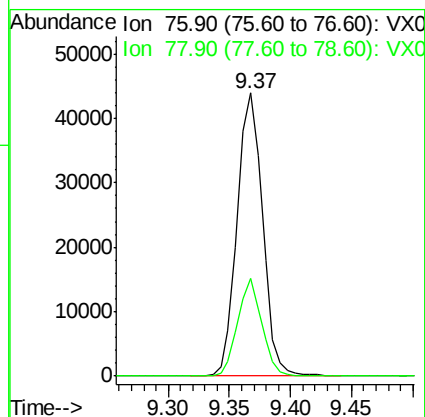
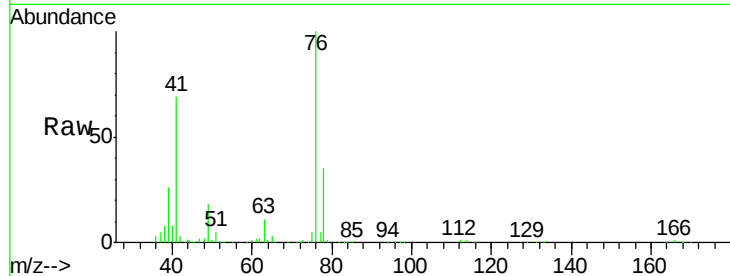
78 32.6 26.2 39.2

Manual Integrations

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MMDadoda

9/23/2019 11:28:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.351 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012574.D

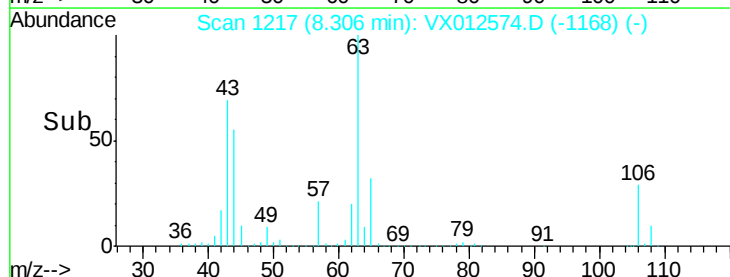
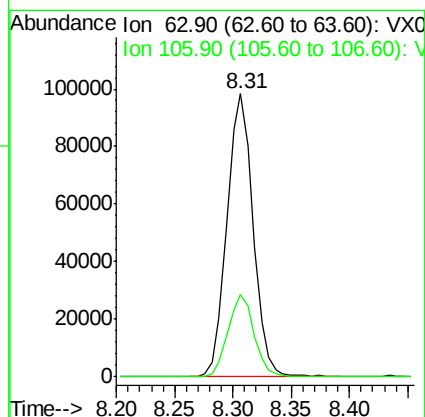
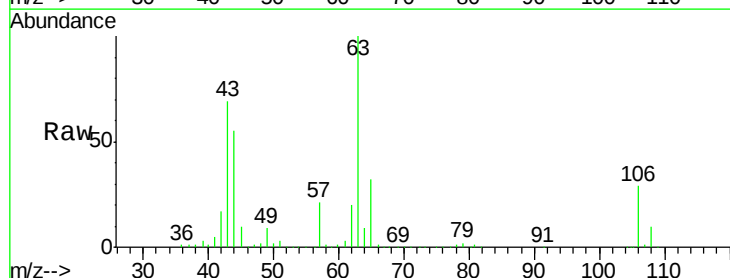
Acq: 20 Sep 2019 22:35

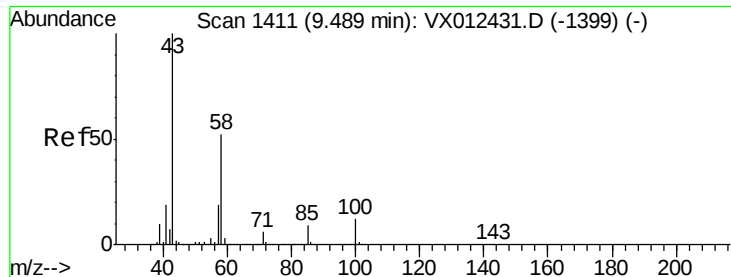
Tgt Ion: 63 Resp: 153703

Ion Ratio Lower Upper

63 100

106 29.1 23.8 35.6





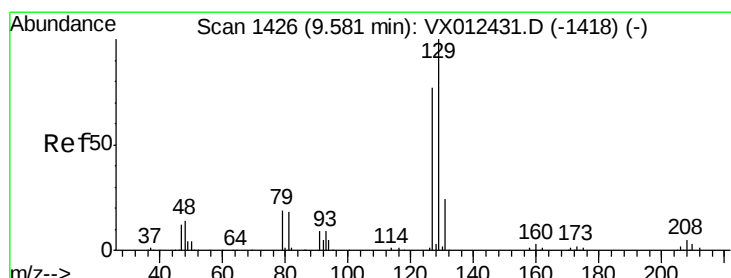
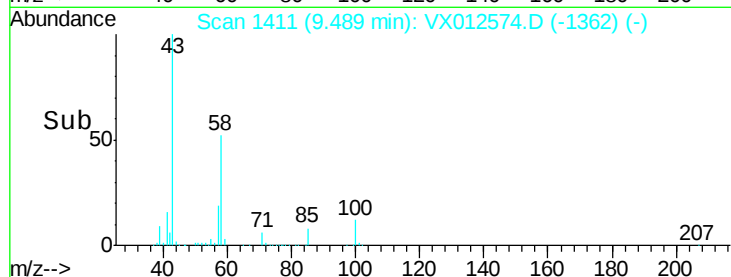
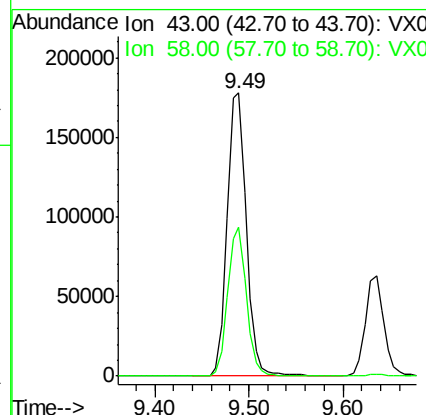
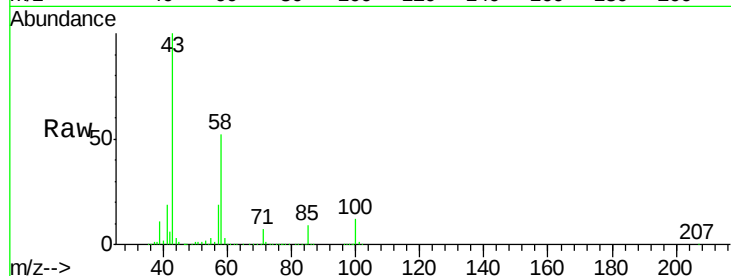
#59
2-Hexanone
Concen: 102.278 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion: 43 Resp: 250947
Ion Ratio Lower Upper
43 100
58 51.6 25.7 77.1

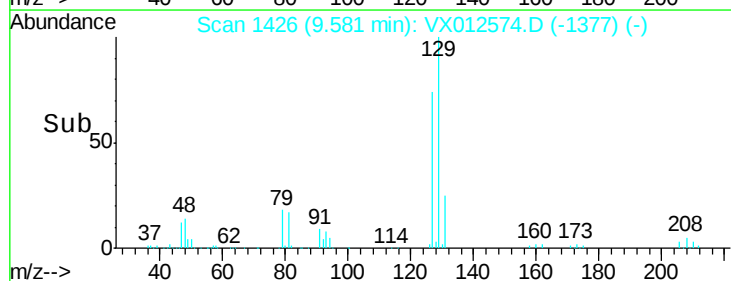
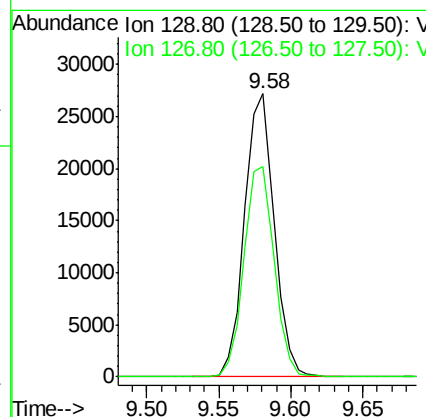
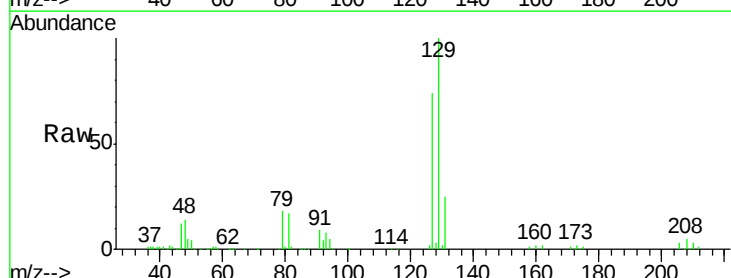
Manual Integrations
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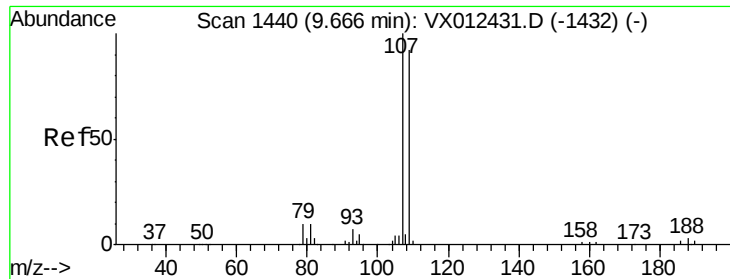
MMDadoda
9/23/2019 11:28:50 AM



#60
Dibromochloromethane
Concen: 20.800 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion: 129 Resp: 38933
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.952 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion:107 Resp: 36842

Ion Ratio Lower Upper

107 100

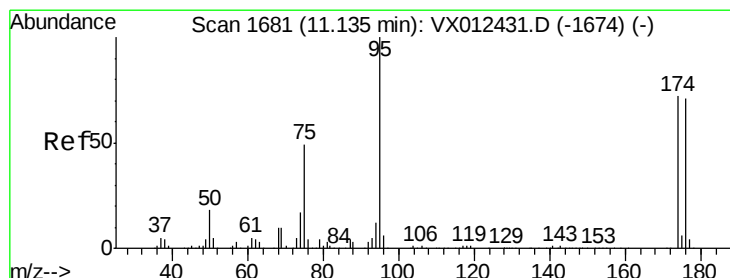
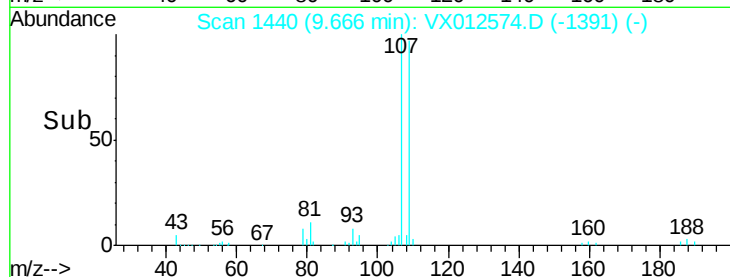
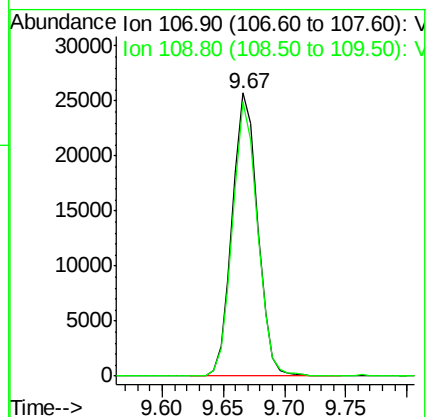
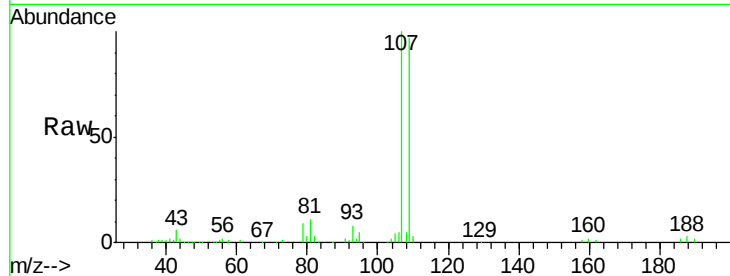
109 95.2 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 49.001 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

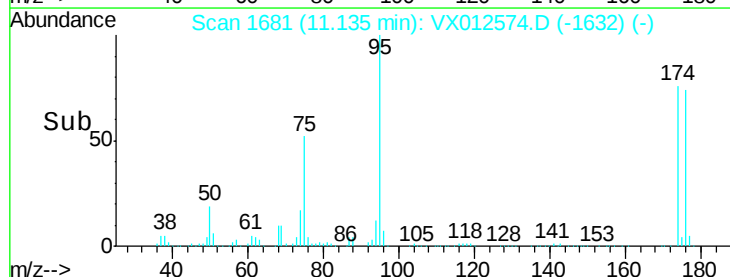
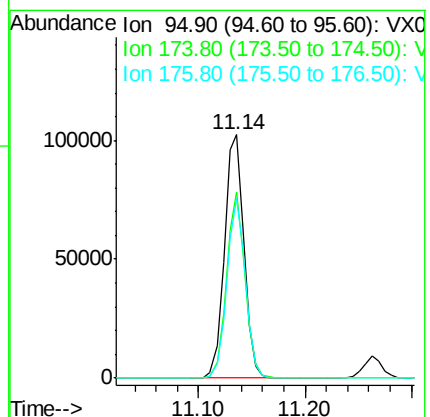
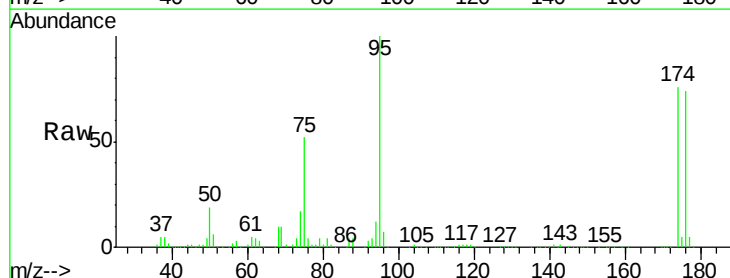
Tgt Ion: 95 Resp: 130549

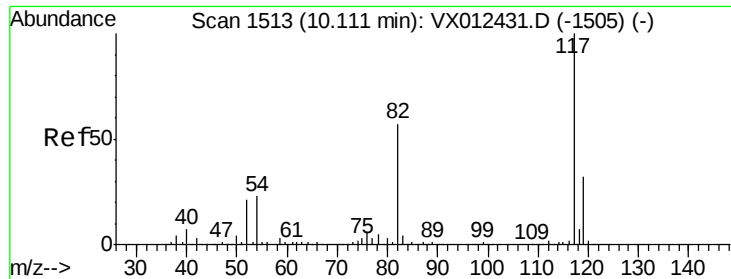
Ion Ratio Lower Upper

95 100

174 72.5 0.0 140.0

176 70.3 0.0 135.4





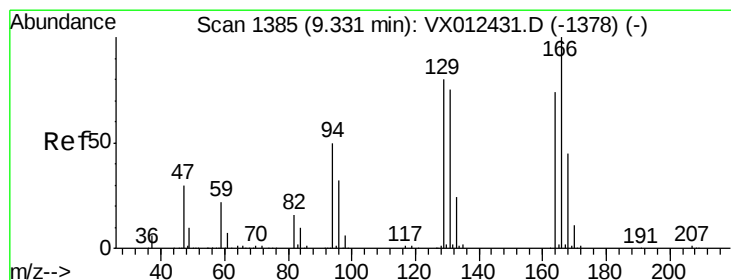
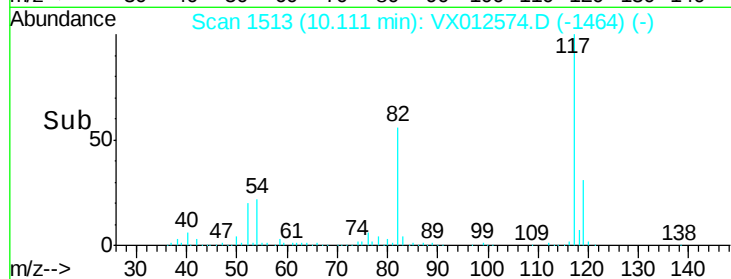
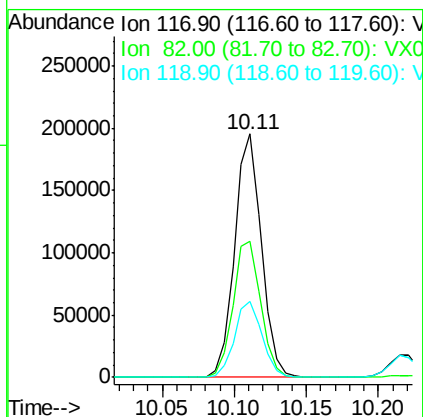
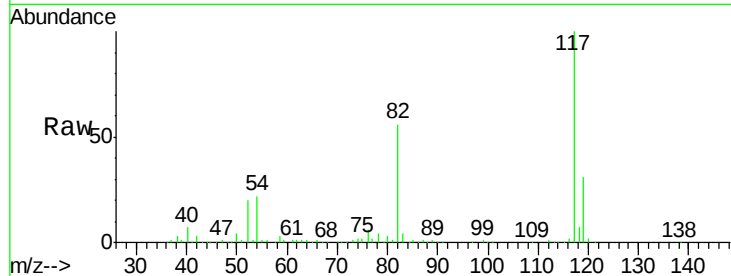
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254055		
82	55.7	45.9	68.9	
119	31.1	25.3	37.9	

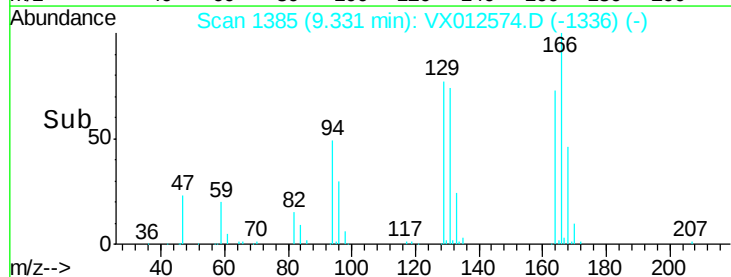
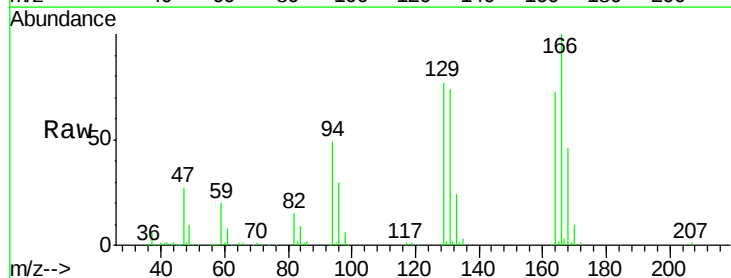
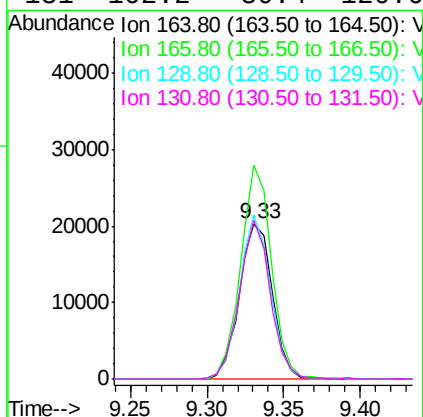
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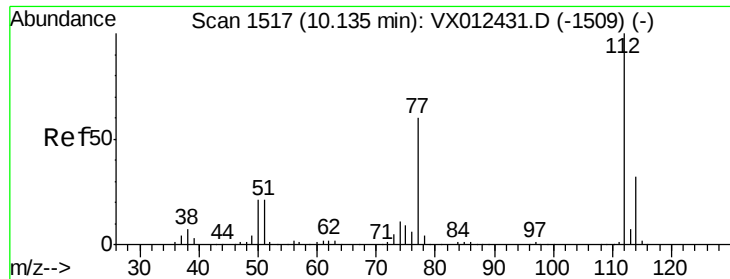
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#64
Tetrachloroethene
Concen: 26.048 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30324		
166	137.5	107.8	161.6	
129	105.4	86.2	129.2	
131	102.2	80.4	120.6	





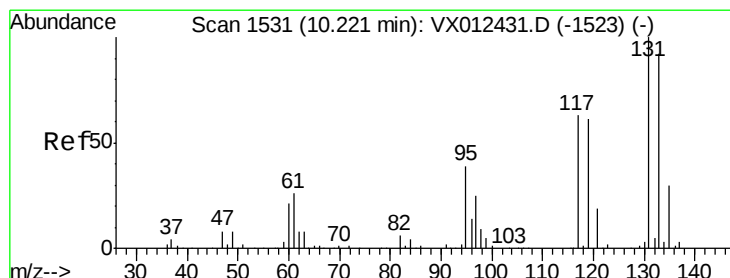
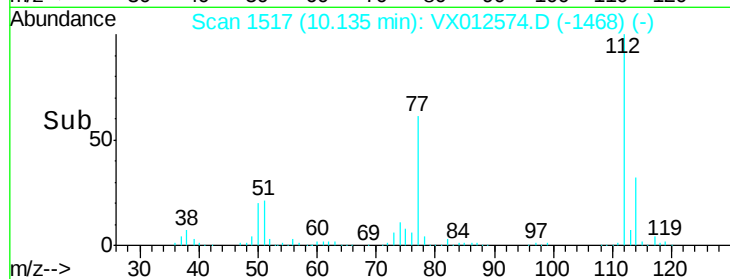
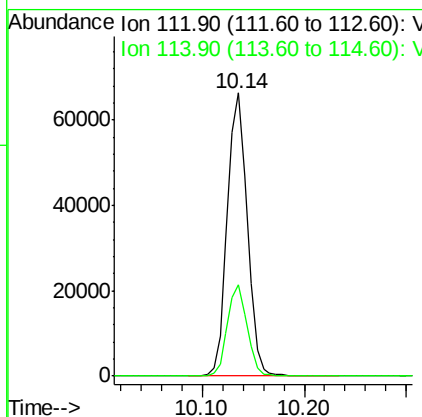
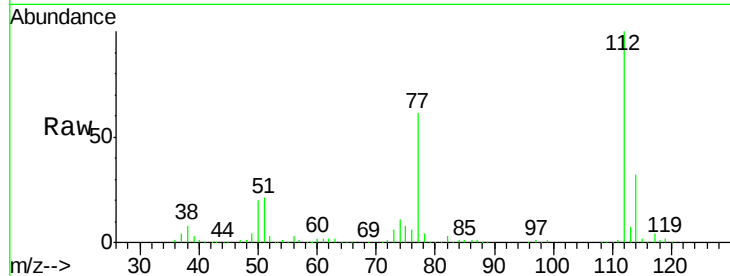
#65
Chlorobenzene
Concen: 21.413 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion:112 Resp: 89790
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0

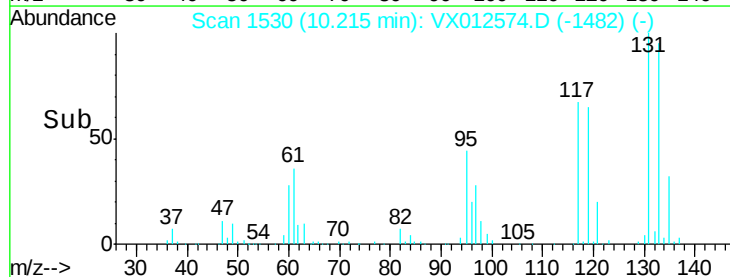
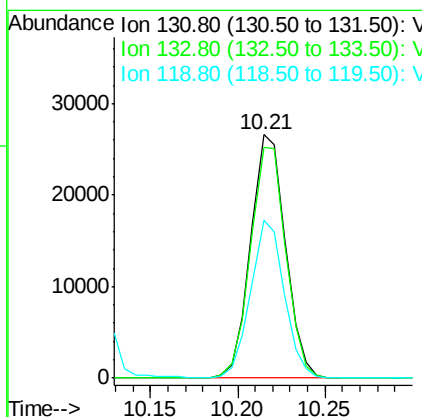
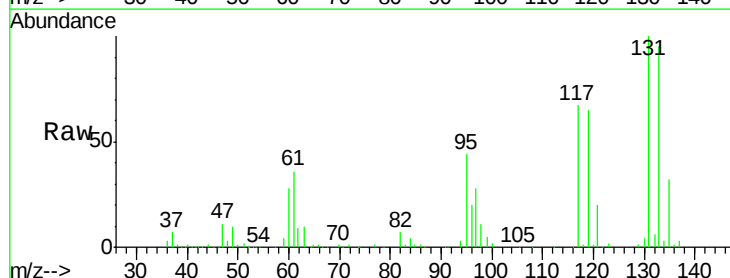
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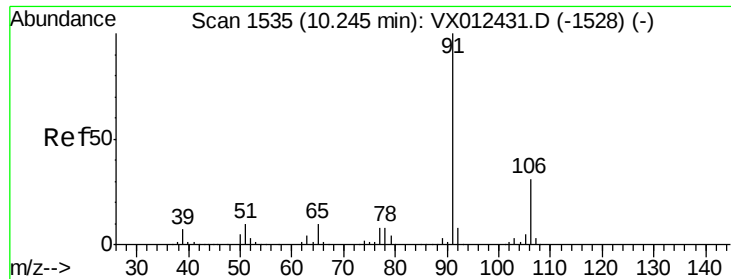
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.212 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion:131 Resp: 36914
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 63.1 31.3 93.8





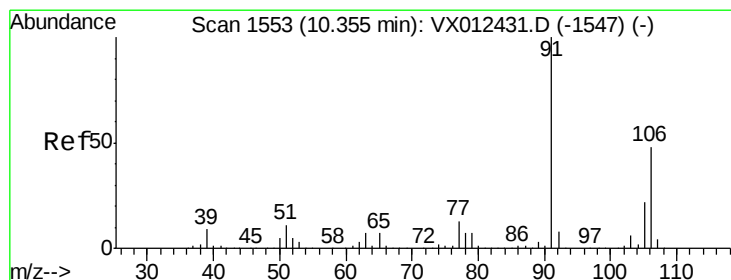
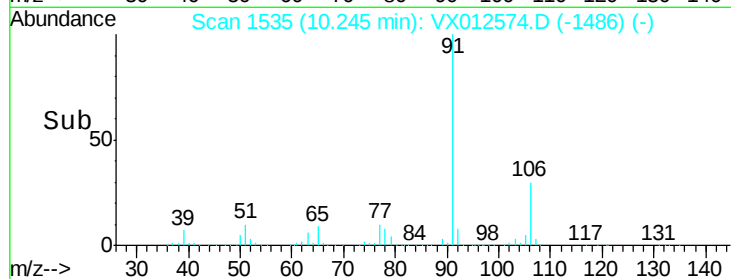
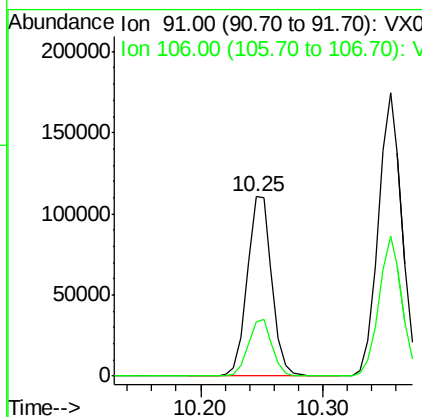
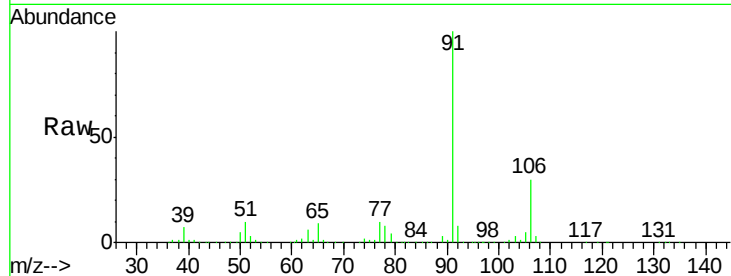
#67
Ethyl Benzene
Concen: 21.457 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion: 91 Resp: 154578
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0

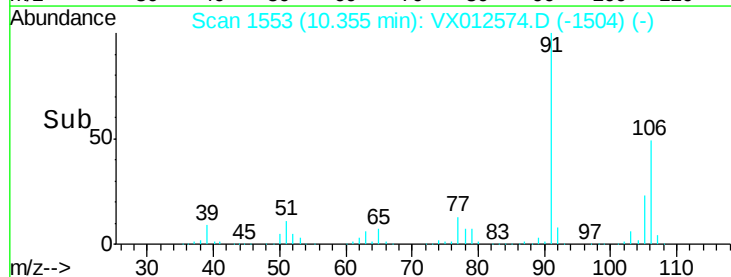
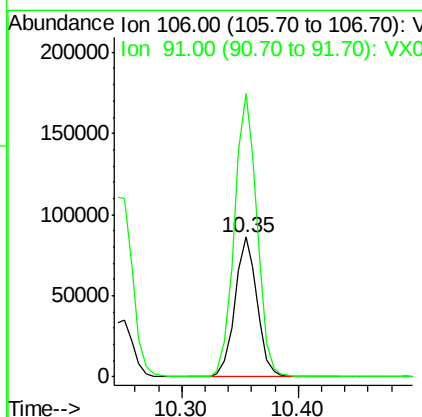
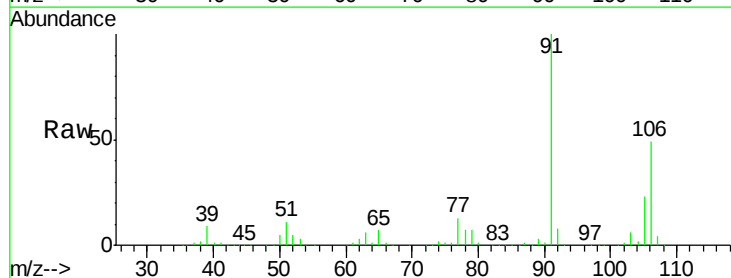
Manual Integrations
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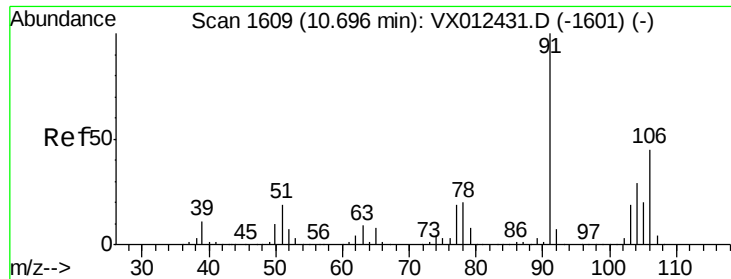
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#68
m/p-Xylenes
Concen: 43.616 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion: 106 Resp: 114327
Ion Ratio Lower Upper
106 100
91 206.0 166.6 250.0





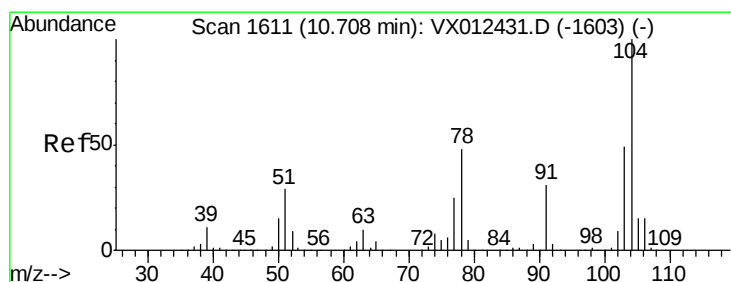
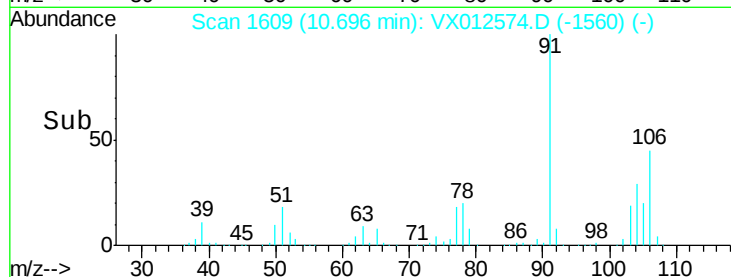
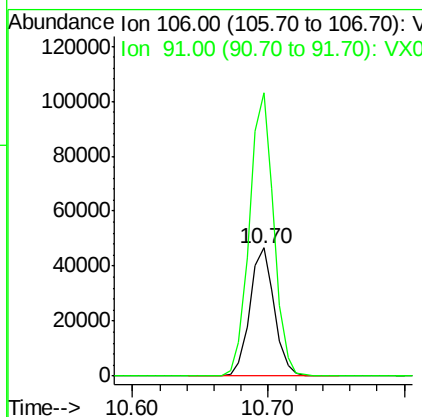
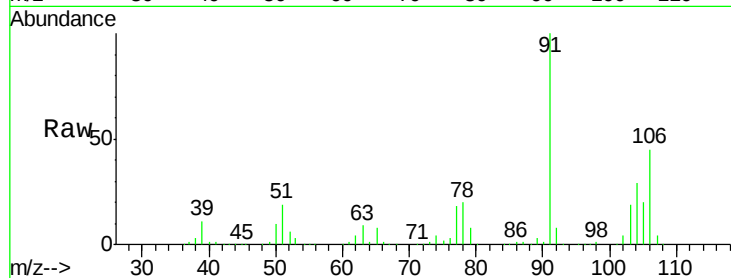
#69
o-Xylene
Concen: 21.738 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion:106 Resp: 58600
Ion Ratio Lower Upper
106 100
91 220.1 109.4 328.2

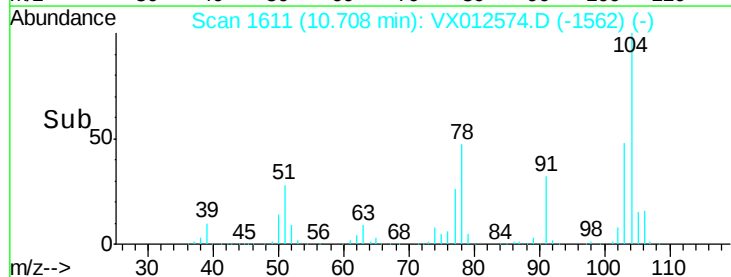
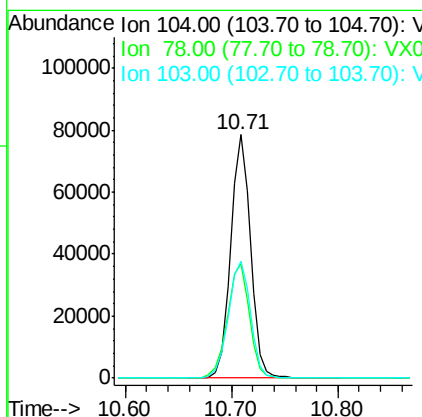
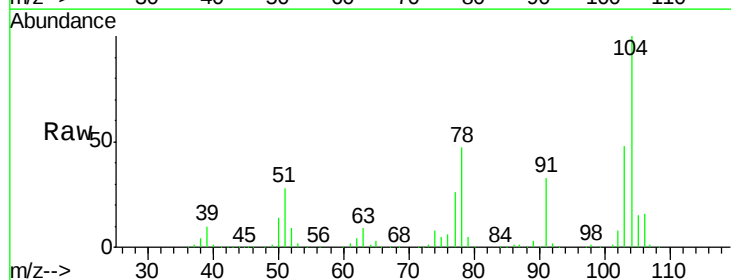
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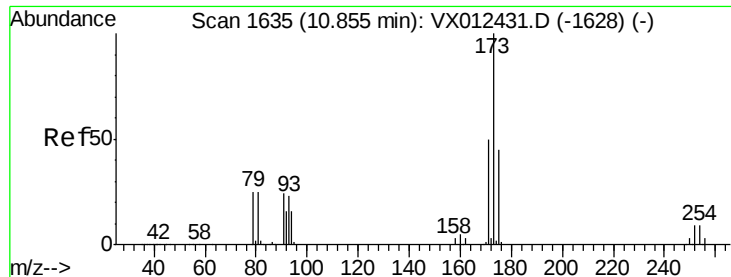
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#70
Styrene
Concen: 21.686 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion:104 Resp: 103429
Ion Ratio Lower Upper
104 100
78 52.3 43.4 65.2
103 53.3 43.3 64.9





#71

Bromoform

Concen: 19.040 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion:173 Resp: 25704

Ion Ratio Lower Upper

173 100

175 48.2 23.7 71.1

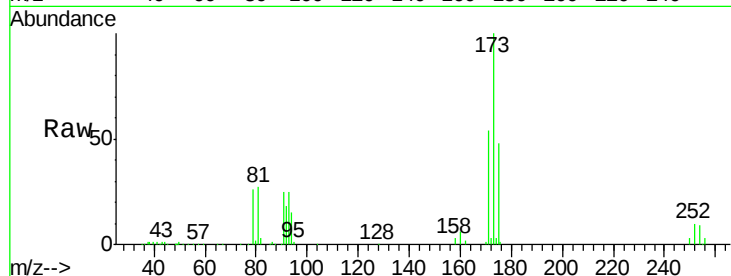
254 0.3 0.1 0.1#

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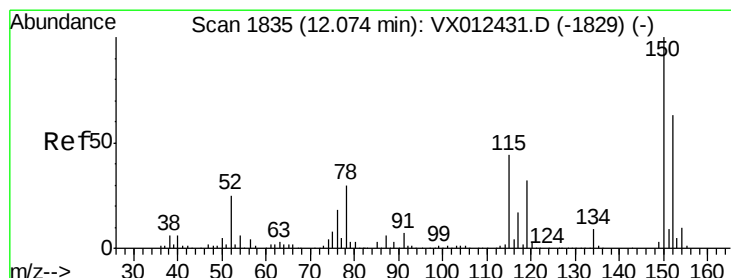
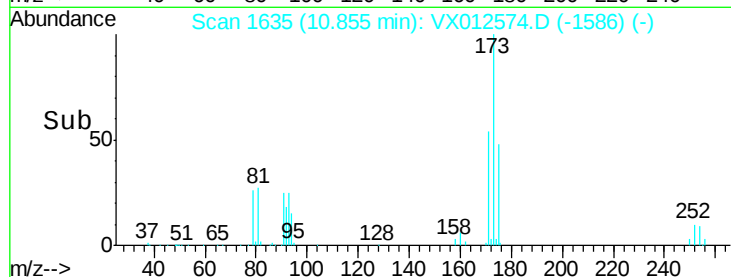
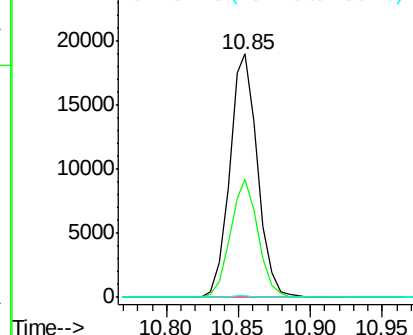
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

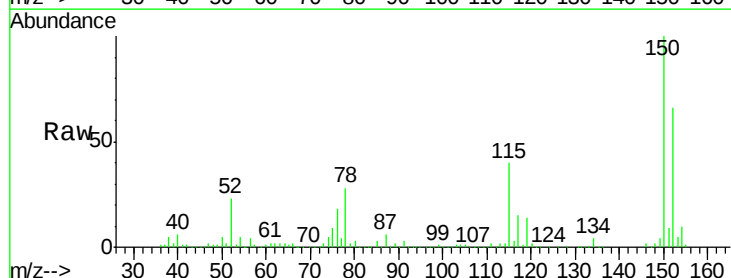
Tgt Ion:152 Resp: 123088

Ion Ratio Lower Upper

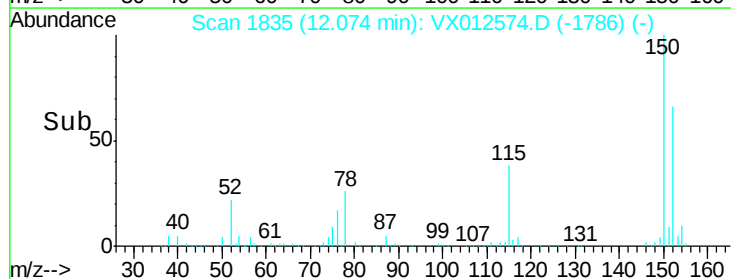
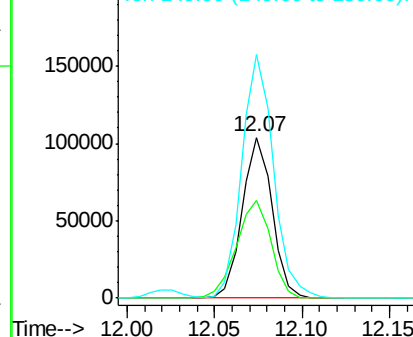
152 100

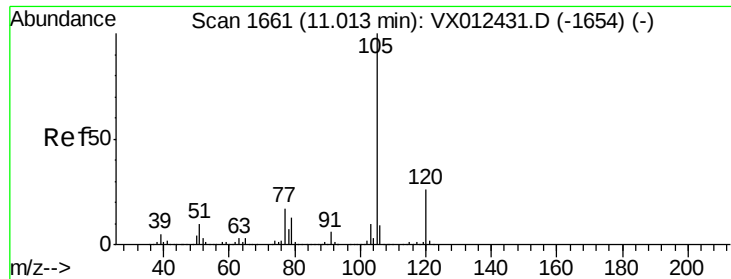
115 70.7 44.1 132.3

150 161.2 0.0 343.8



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





#73

Isopropylbenzene

Concen: 21.780 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion:105 Resp: 168208

Ion Ratio Lower Upper

105 100

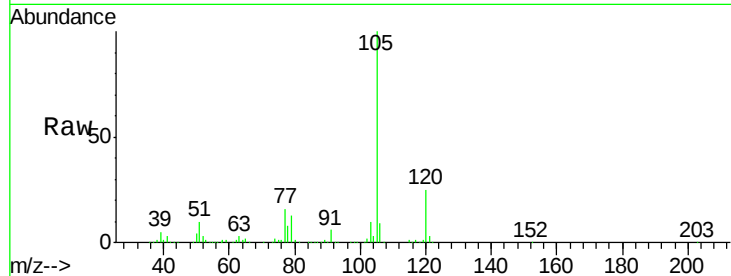
120 25.7 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

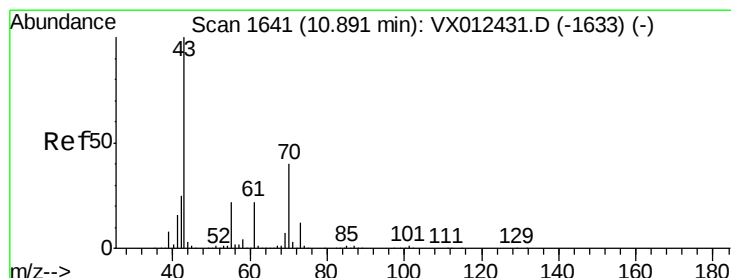
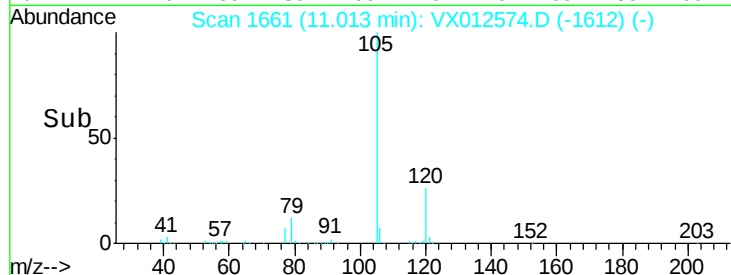
1101

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.174 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion: 43 Resp: 83883

Ion Ratio Lower Upper

43 100

70 41.1 32.4 48.6

55 24.0 18.2 27.4

61 23.0 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

80000

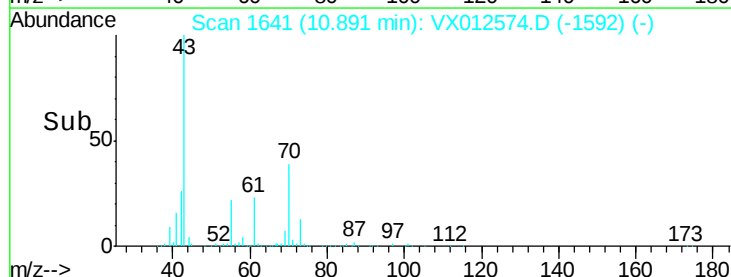
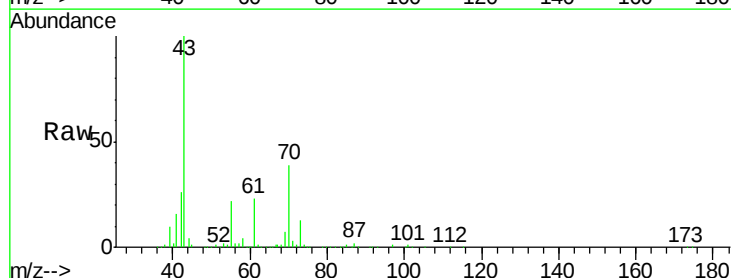
60000

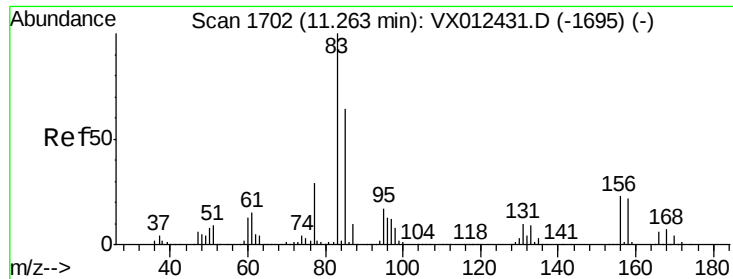
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.213 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

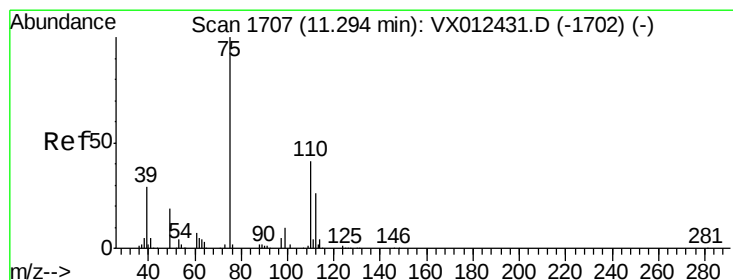
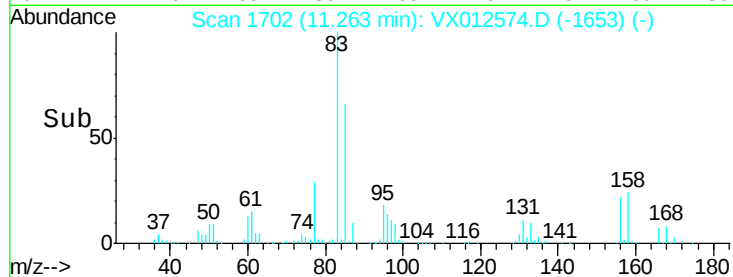
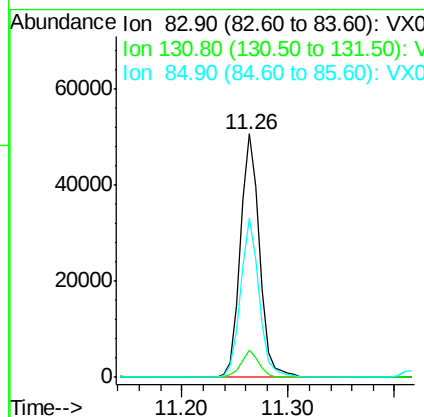
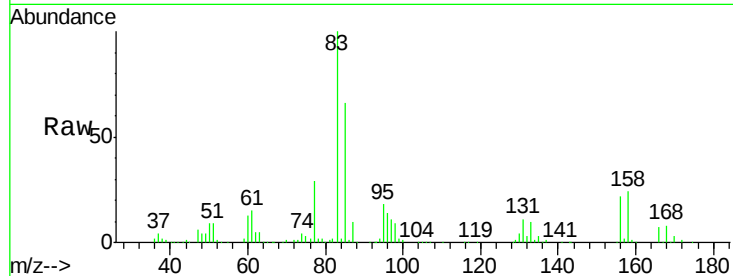
ClientSampleId :

VX0920WBS02

Tot Ion:	83	Resp:	64267
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.979 ug/l m

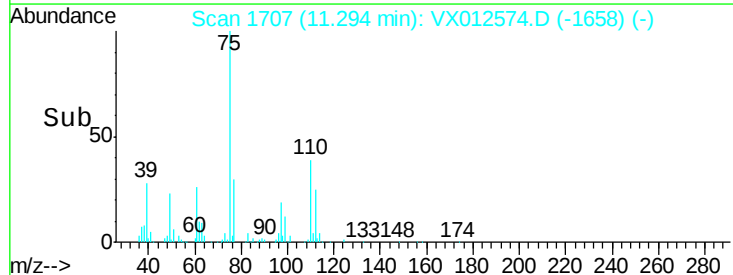
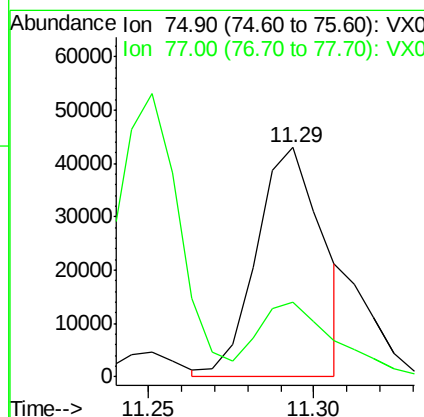
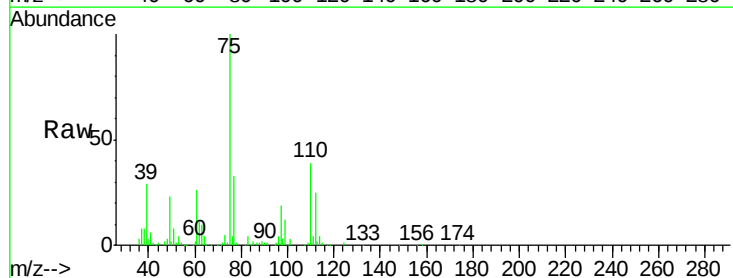
RT: 11.29 min Scan# 1707

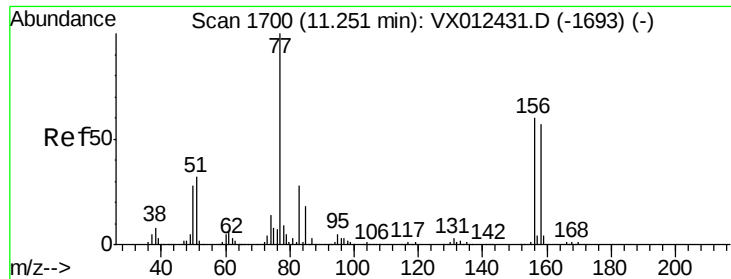
Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion:	75	Resp:	59317
Ion Ratio	Lower	Upper	
75	100		
77	37.8	19.7	59.0





#77

Bromobenzene

Concen: 21.386 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

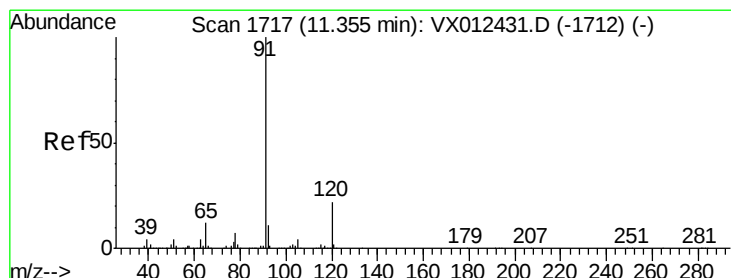
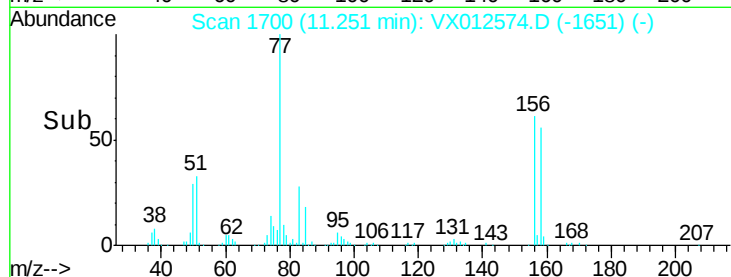
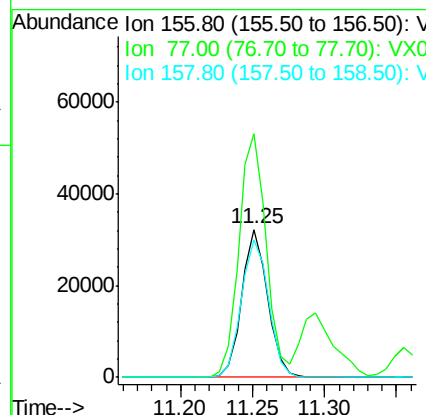
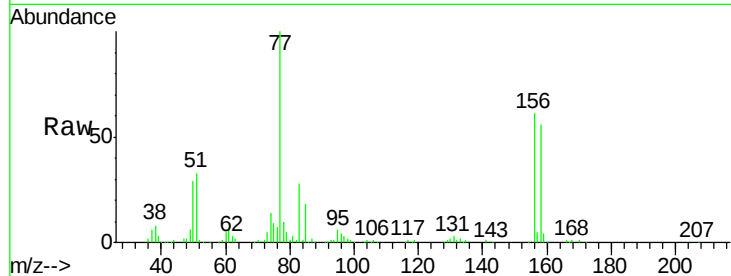
ClientSampleId :

VX0920WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		40281		
77	174.3	87.3	261.8		
158	97.9	48.5	145.6		

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#78

n-propylbenzene

Concen: 20.619 ug/l

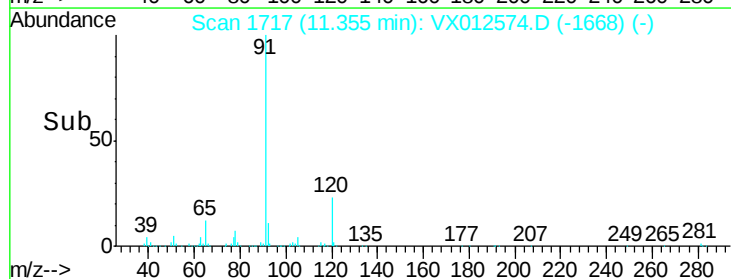
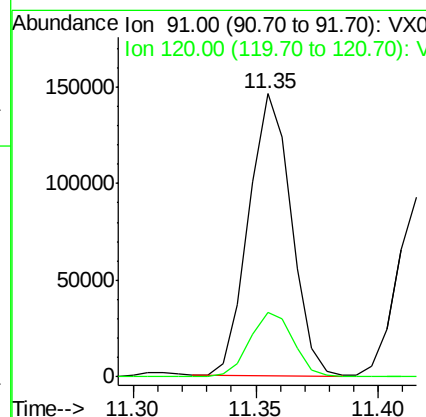
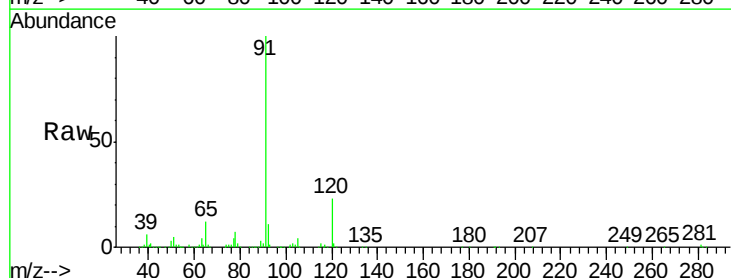
RT: 11.35 min Scan# 1717

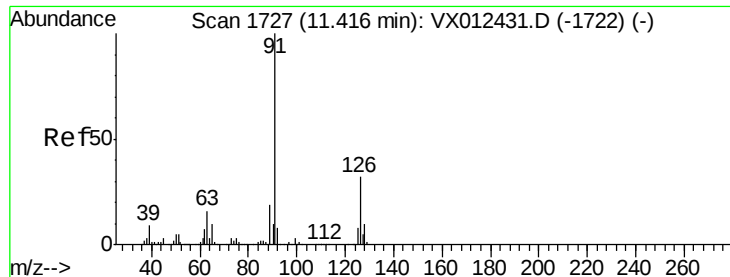
Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		177478		
120	23.5	11.3	33.8		





#79

2-Chlorotoluene

Concen: 20.563 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 91 Resp: 115146

Ion Ratio Lower Upper

91 100

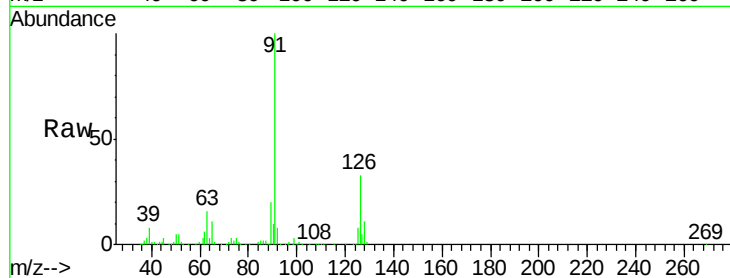
126 33.3 16.4 49.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

150000

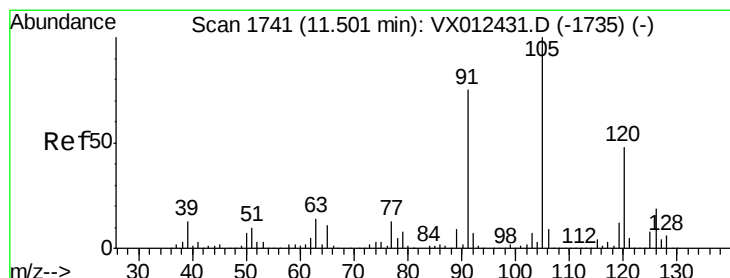
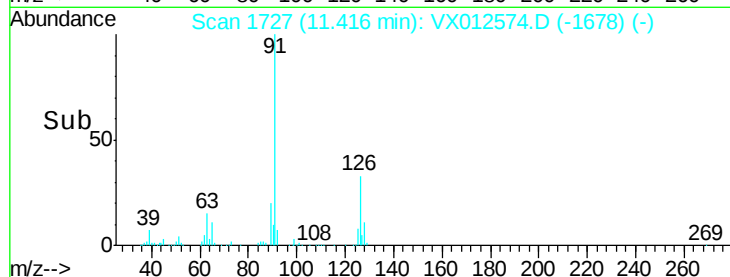
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.872 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012574.D

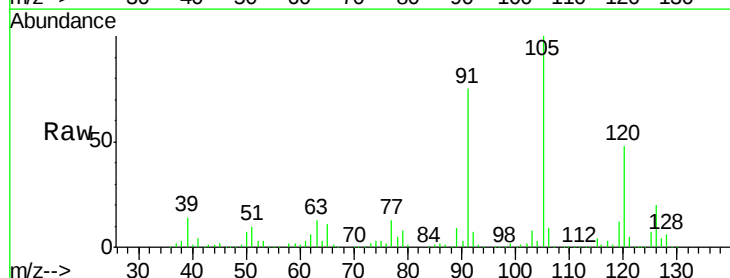
Acq: 20 Sep 2019 22:35

Tgt Ion:105 Resp: 137474

Ion Ratio Lower Upper

105 100

120 49.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

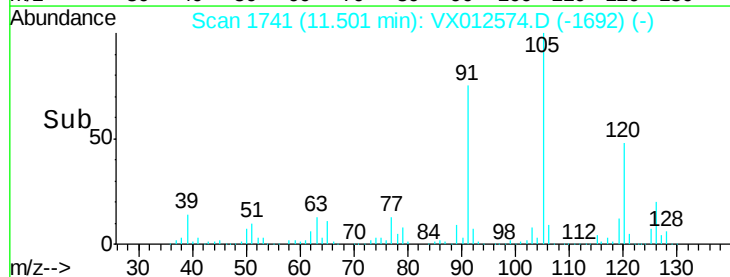
40000

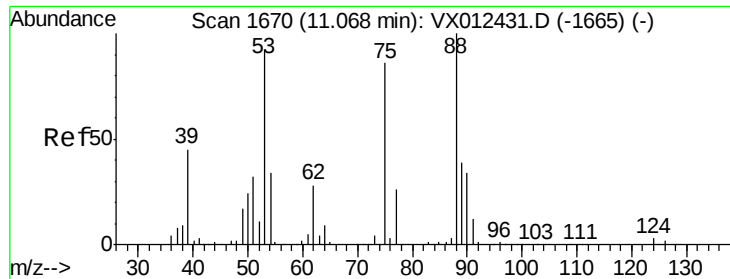
20000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.724 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS02

Tot Ion: 75 Resp: 16060

Ion Ratio Lower Upper

75 100

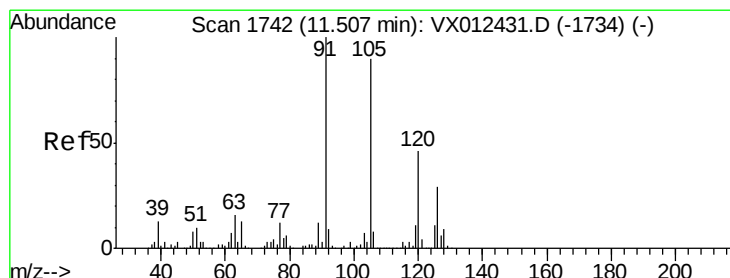
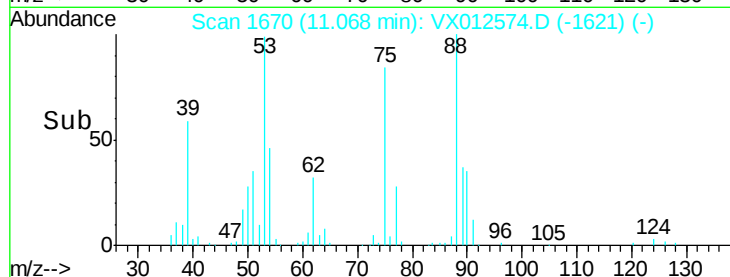
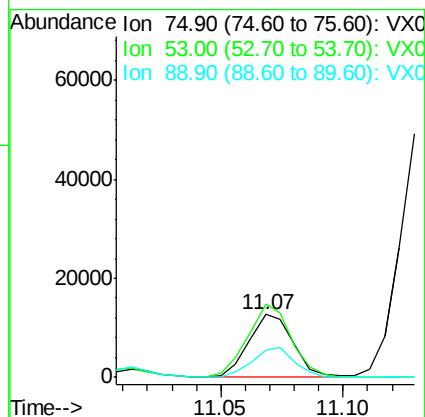
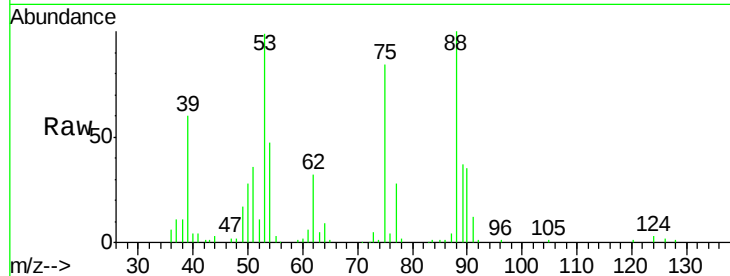
53 116.3 83.6 125.4

89 47.1 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.708 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012574.D

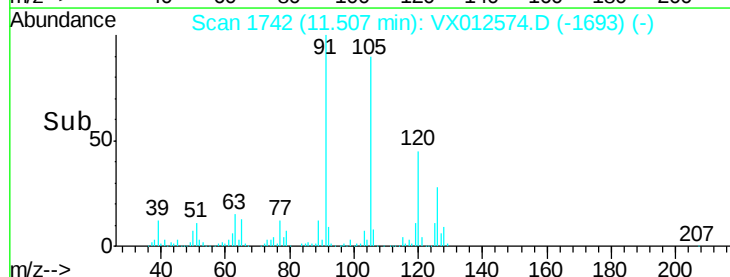
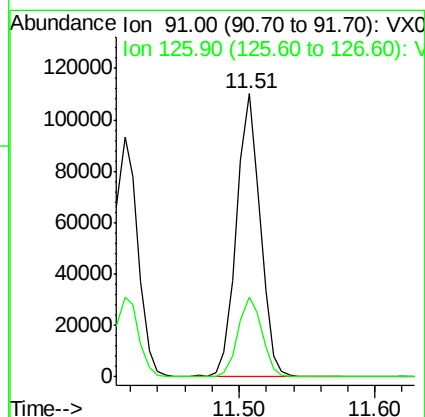
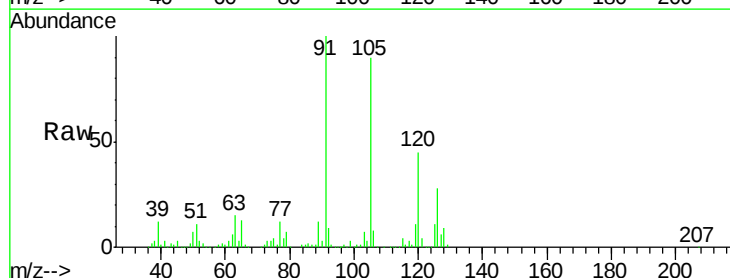
Acq: 20 Sep 2019 22:35

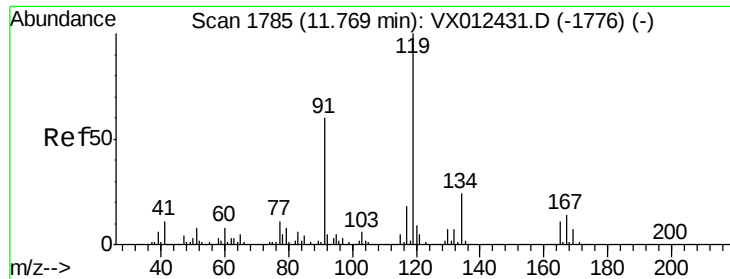
Tgt Ion: 91 Resp: 133088

Ion Ratio Lower Upper

91 100

126 28.8 14.4 43.0





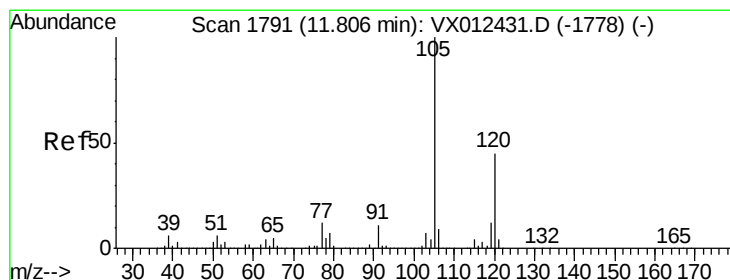
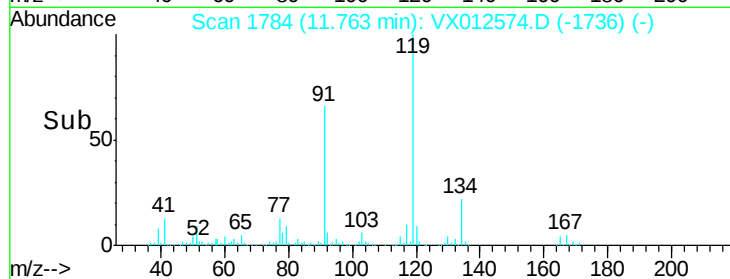
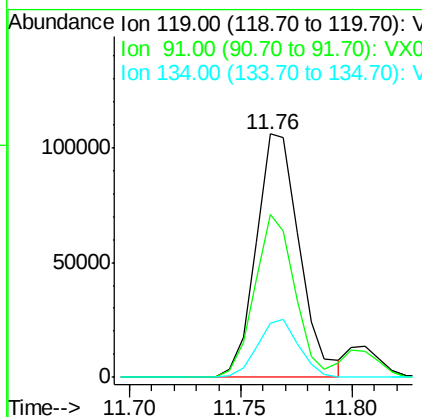
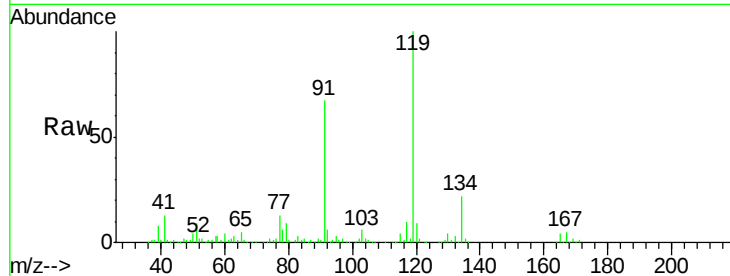
#83
tert-Butylbenzene
Concen: 20.360 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143698		
91	61.6	30.0	90.0	
134	22.8	11.3	33.9	

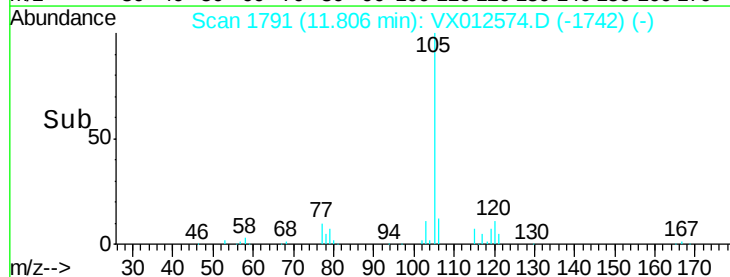
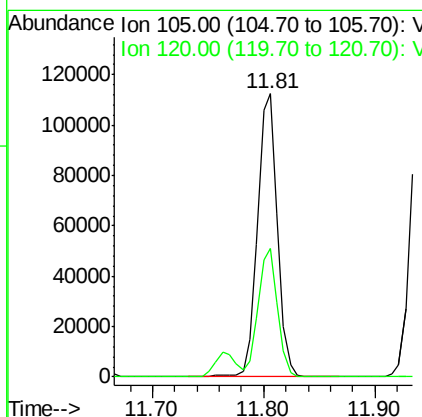
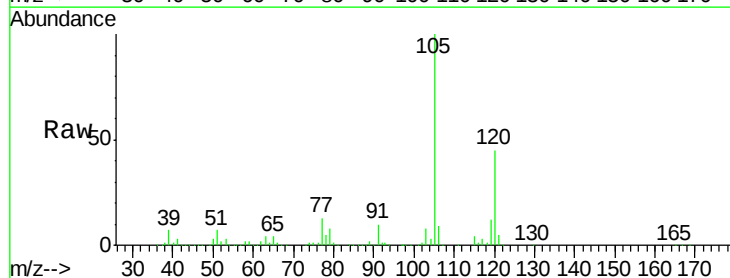
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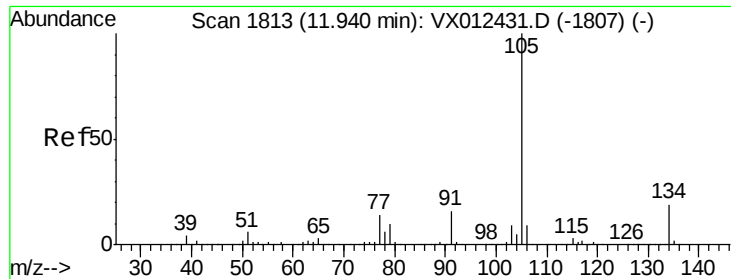
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.753 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140348		
120	44.3	22.2	66.6	





#85

sec-Butylbenzene

Concen: 20.914 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampled :

VX0920WBS02

Tot Ion:105 Resp: 162654

Ion Ratio Lower Upper

105 100

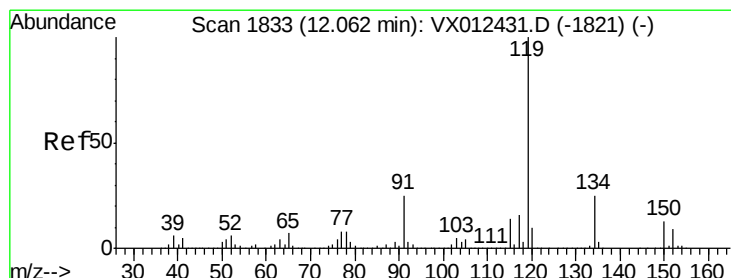
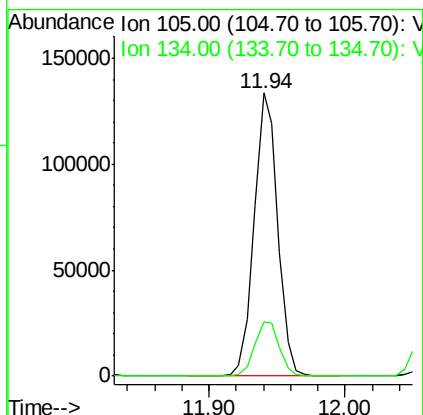
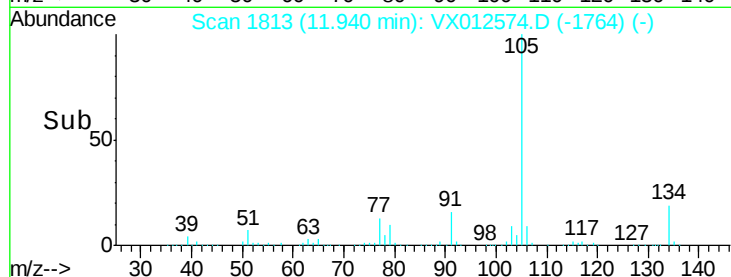
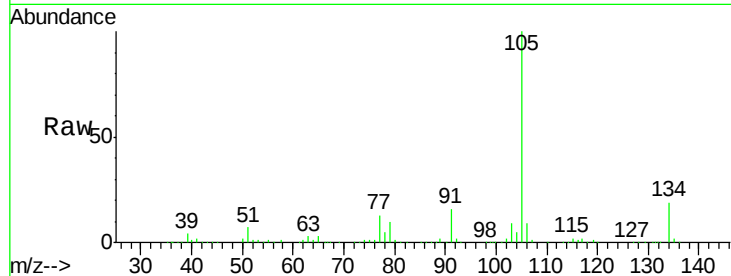
134 20.3 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 20.292 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

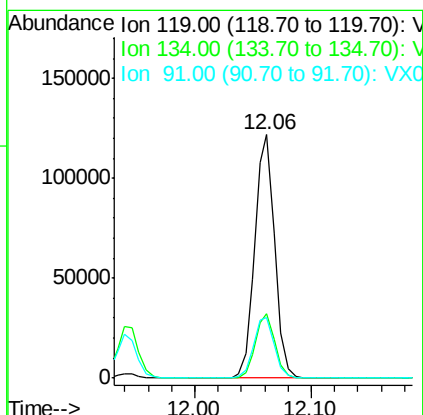
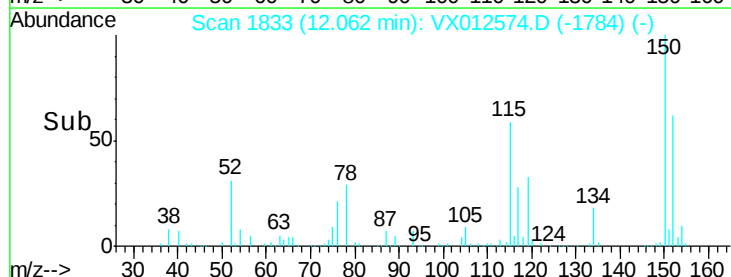
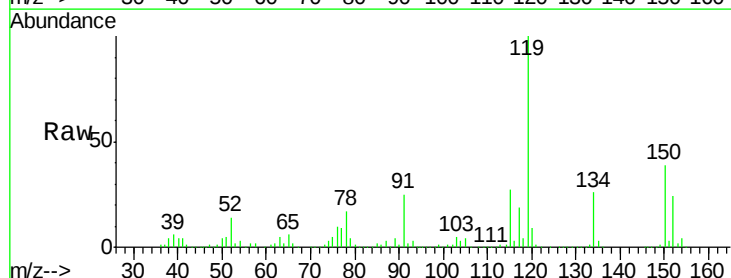
Tgt Ion:119 Resp: 144910

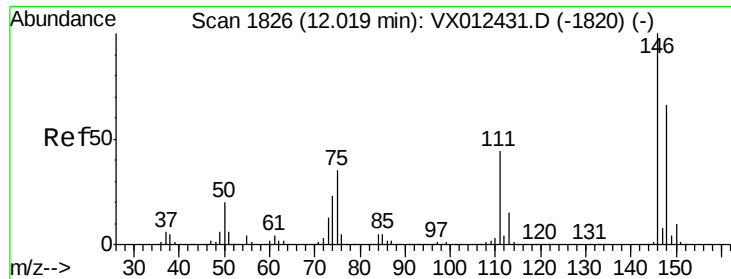
Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 25.8 12.8 38.4





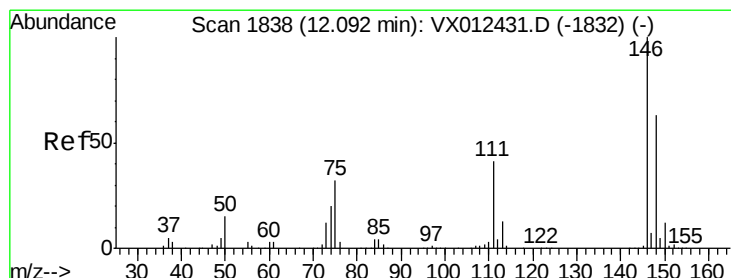
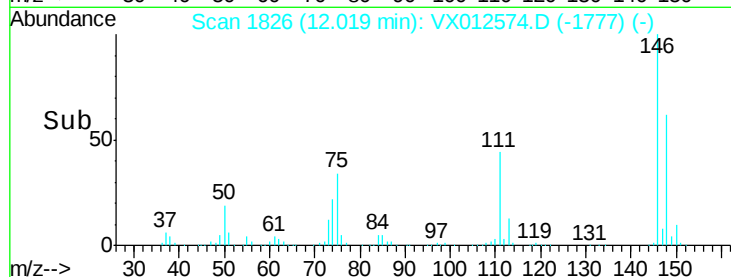
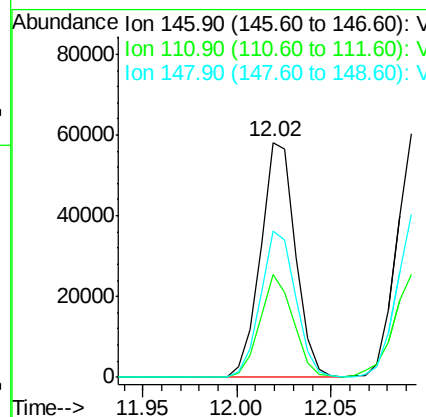
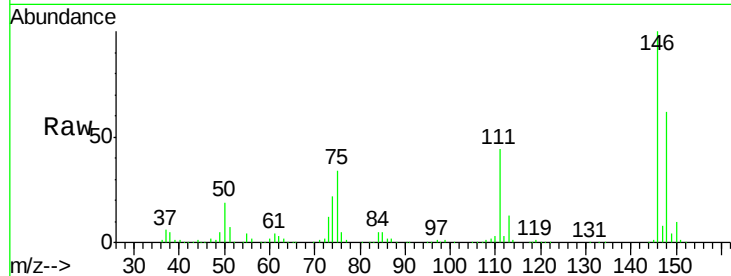
#87
 1,3-Dichlorobenzene
 Concen: 21.070 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	62.5	32.4	97.2

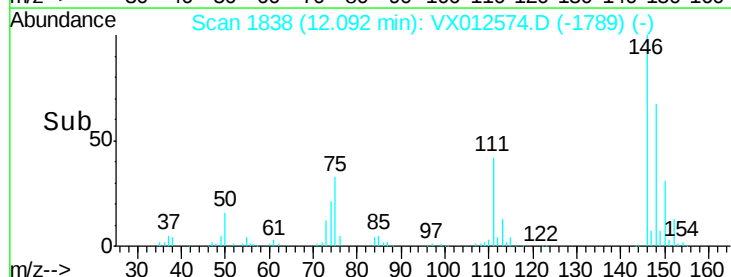
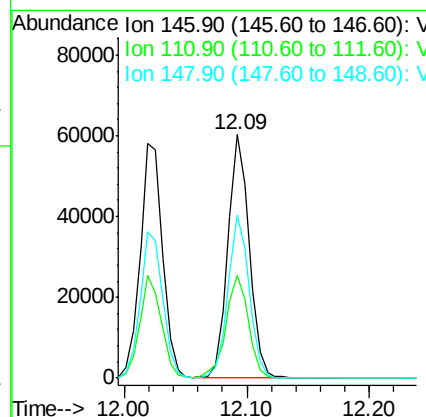
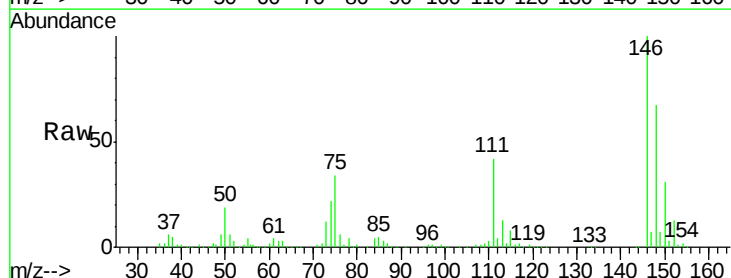
Manual Integrations
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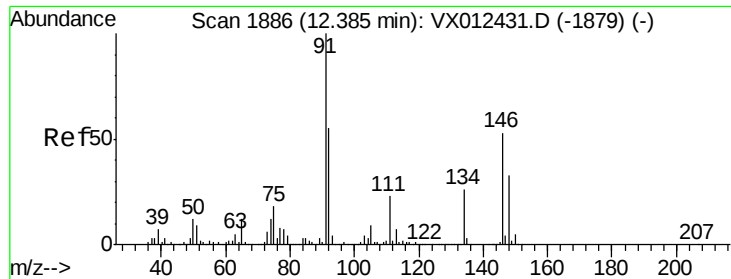
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.083 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.1	63.3
148	66.4	32.1	96.5





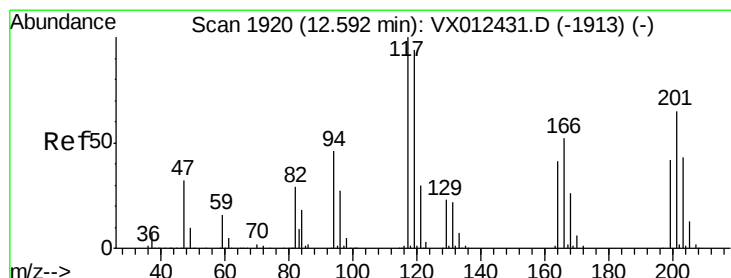
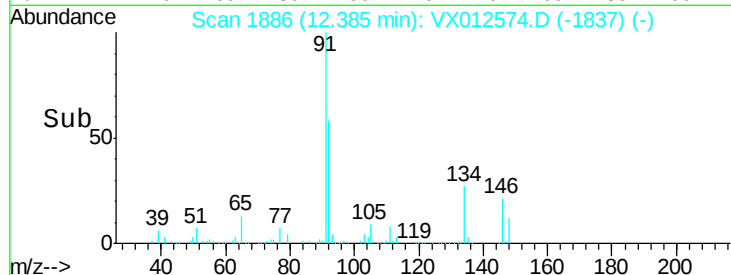
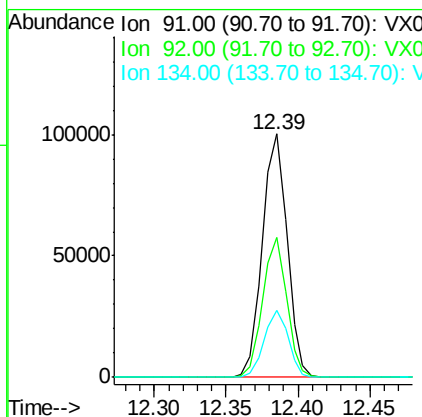
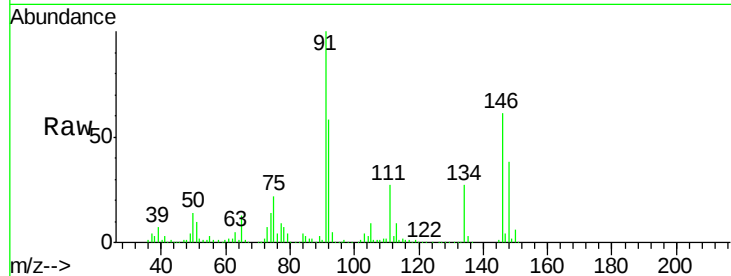
#89
n-Butylbenzene
Concen: 18.692 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	119100		
92	55.7	27.7	83.0	
134	26.7	12.9	38.6	

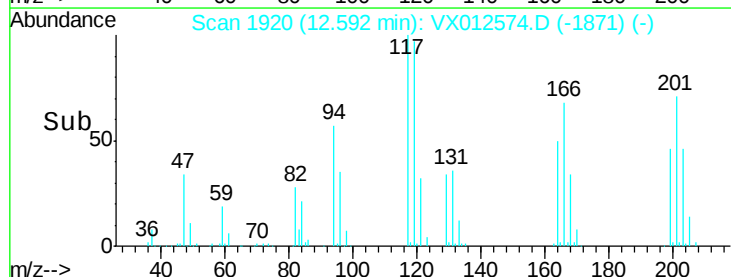
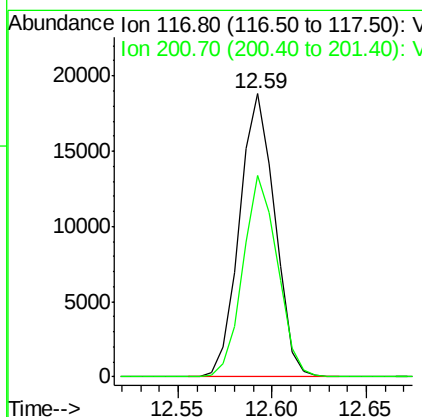
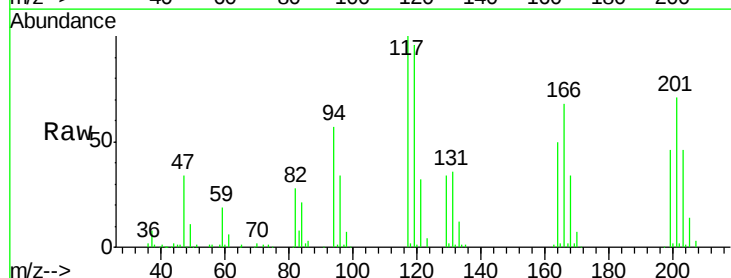
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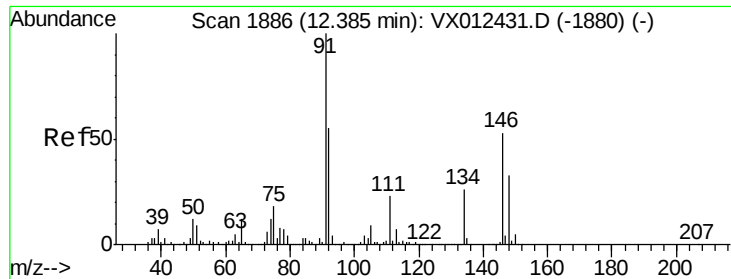
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#90
Hexachloroethane
Concen: 18.682 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24463		
201	69.6	33.3	99.8	





#91

1,2-Dichlorobenzene

Concen: 21.385 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Instrument :

MSVOA_X

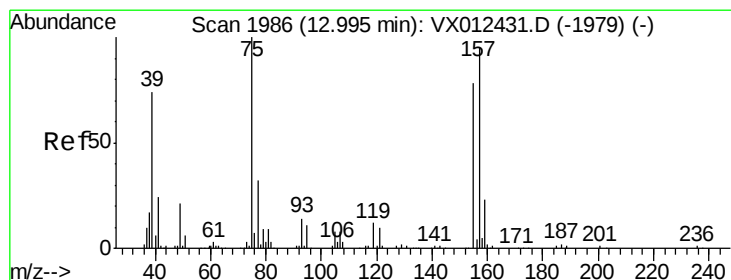
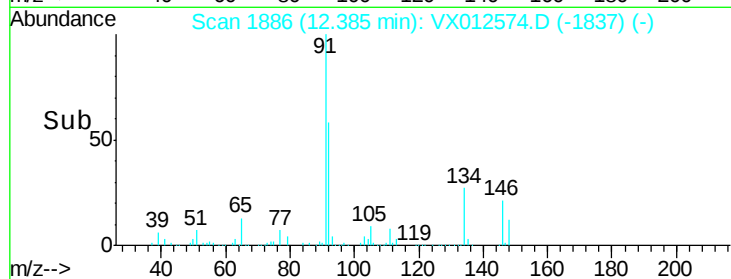
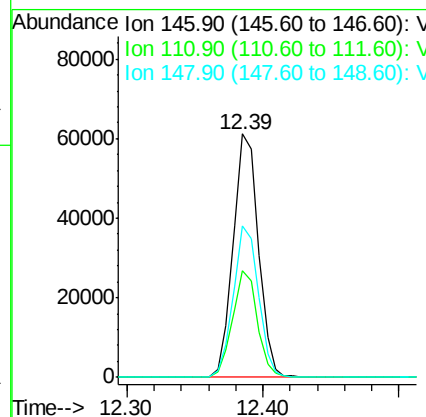
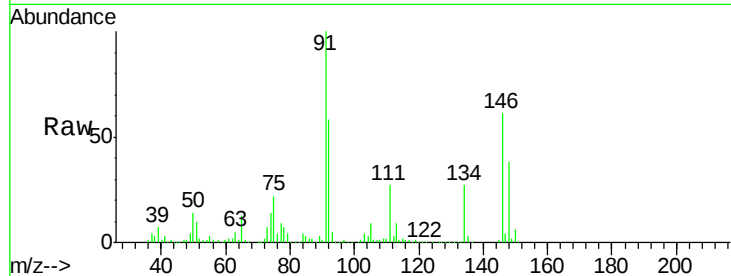
ClientSampleId :

VX0920WBS02

Tot Ion:	146	Resp:	79192
Ion Ratio	Lower	Upper	
146	100		
111	43.1	22.1	66.1
148	62.0	31.3	93.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.015 ug/l

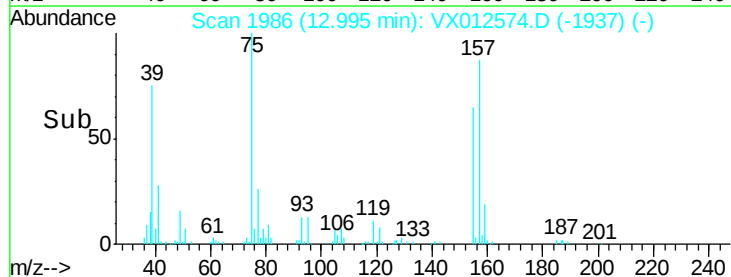
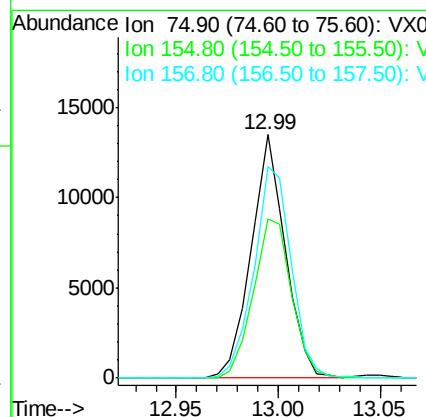
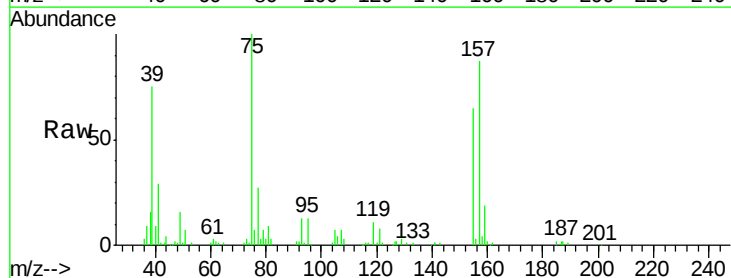
RT: 12.99 min Scan# 1986

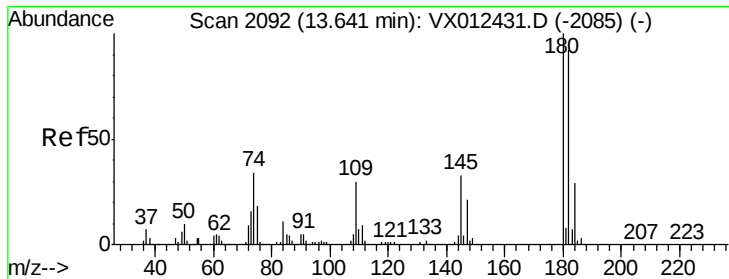
Delta R.T. 0.00 min

Lab File: VX012574.D

Acq: 20 Sep 2019 22:35

Tgt Ion:	75	Resp:	15720
Ion Ratio	Lower	Upper	
75	100		
155	73.3	38.6	115.8
157	95.5	50.6	151.9





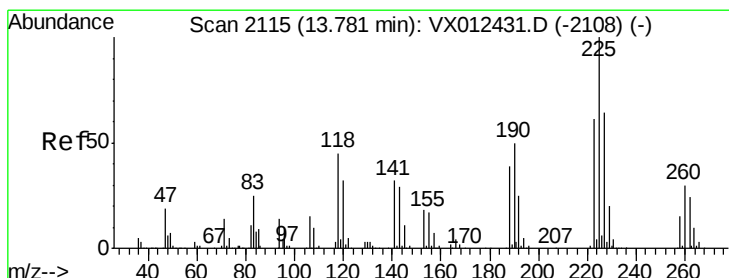
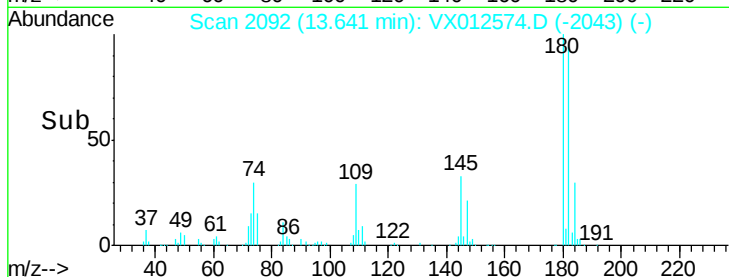
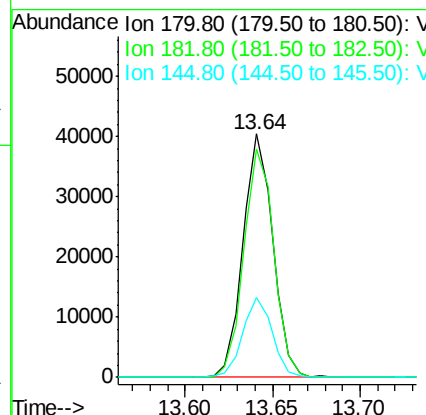
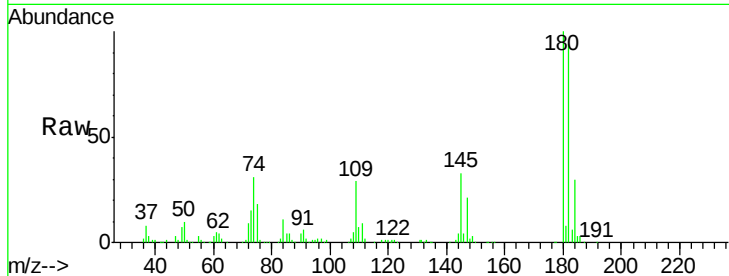
#93
 1,2,4-Trichlorobenzene
 Concen: 20.133 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	32.4	16.8	50.4

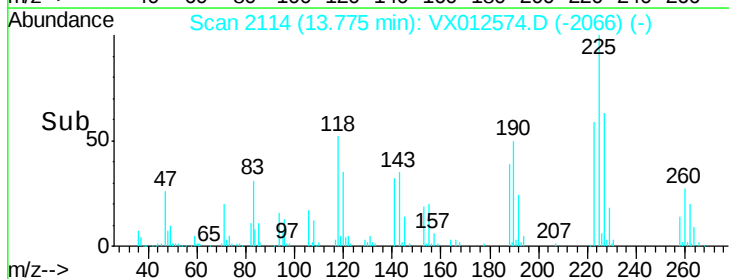
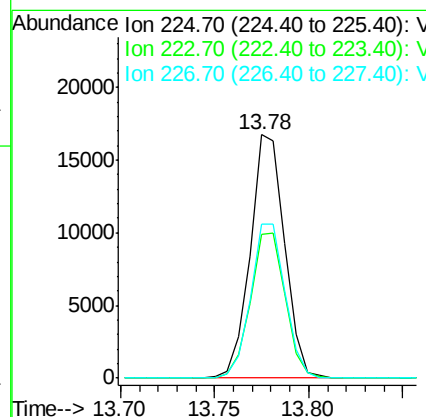
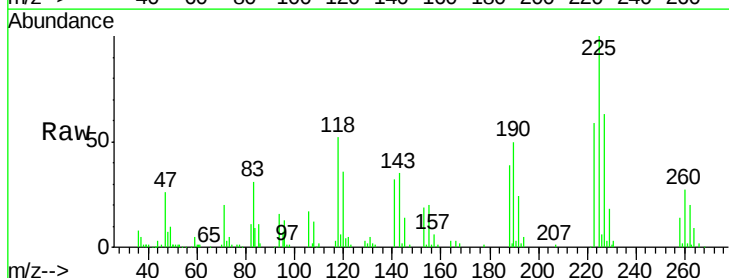
Manual Integrations
 APPROVED

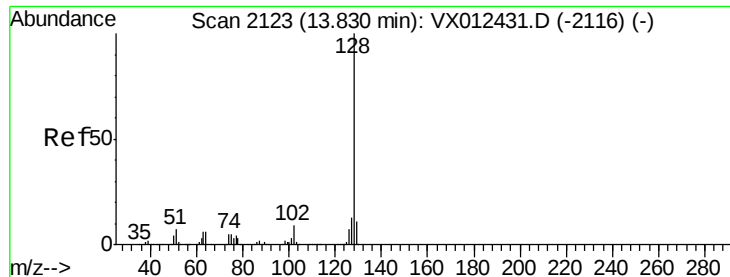
MMDadoda
 9/23/2019 11:28:50 AM



#94
 Hexachlorobutadiene
 Concen: 18.822 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012574.D
 Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	32.0	96.2
227	63.6	31.9	95.5





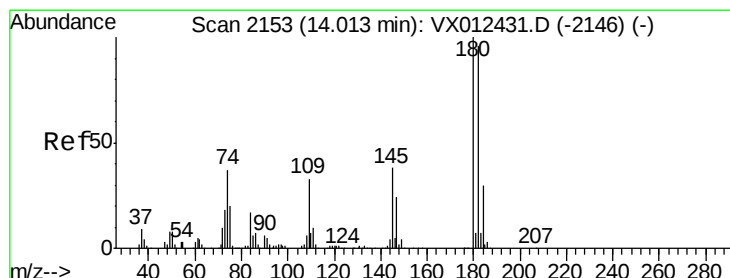
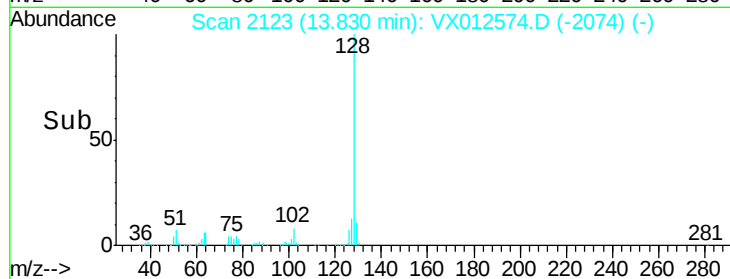
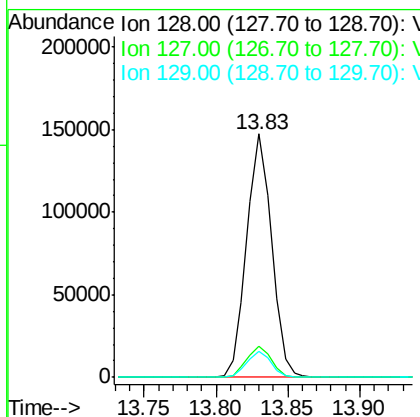
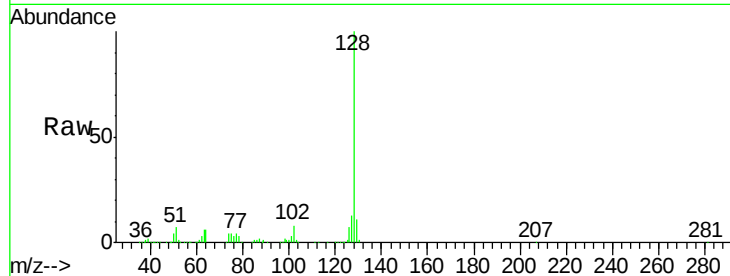
#95
Naphthalene
Concen: 20.877 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/23/2019 11:28:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.595 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012574.D
Acq: 20 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.1	141.3
145	35.0	18.0	54.0

