

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX091219\
 Data File : VX012354.D
 Acq On : 12 Sep 2019 18:23
 Operator : SY/SP
 Sample : VX0912SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:11:58 AM

Quant Time: Sep 13 02:19:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	138338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	244185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	91135	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.48	113	70518	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
50) Toluene-d8	8.71	98	263631	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.14	95	112711	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22020	19.469	ug/l	93
3) Chloromethane	1.31	50	20770	20.373	ug/l	92
4) Vinyl Chloride	1.39	62	21110	20.883	ug/l	98
5) Bromomethane	1.62	94	9558	20.605	ug/l	92
6) Chloroethane	1.70	64	13732	20.315	ug/l	96
7) Trichlorofluoromethane	1.91	101	36671	20.044	ug/l	97
8) Diethyl Ether	2.17	74	13473	21.582	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25796	20.921	ug/l	98
10) Methyl Iodide	2.50	142	16872	14.377	ug/l	98
11) Tert butyl alcohol	3.03	59	19511m	87.959	ug/l	
12) 1,1-Dichloroethene	2.36	96	21962	20.980	ug/l	98
13) Acrolein	2.28	56	7523	73.582	ug/l	99
14) Allyl chloride	2.71	41	42050	19.703	ug/l	100
15) Acrylonitrile	3.12	53	41699	108.057	ug/l	99
16) Acetone	2.43	43	46206	99.796	ug/l	97
17) Carbon Disulfide	2.55	76	41452	18.857	ug/l	99
18) Methyl Acetate	2.76	43	20638	21.207	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	86364	20.892	ug/l	99
20) Methylene Chloride	2.84	84	34069	22.116	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	25806	20.663	ug/l	95
22) Diisopropyl ether	3.84	45	101128	20.719	ug/l	90
23) Vinyl Acetate	3.80	43	310646	103.736	ug/l	99
24) 1,1-Dichloroethane	3.69	63	54440	20.823	ug/l	100
25) 2-Butanone	4.66	43	61876	104.541	ug/l	93
26) 2,2-Dichloropropane	4.57	77	48177	19.628	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	32989	20.460	ug/l	98
28) Bromochloromethane	5.00	49	22527	18.372	ug/l	98
29) Tetrahydrofuran	5.11	42	34951	109.446	ug/l	99
30) Chloroform	5.19	83	60177	20.412	ug/l	93
31) Cyclohexane	5.56	56	36208	19.938	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	50135	19.805	ug/l	98
36) 1,1-Dichloropropene	5.79	75	35846	20.132	ug/l	96
37) Ethyl Acetate	4.82	43	25547	23.211	ug/l	98
38) Carbon Tetrachloride	5.77	117	39726	19.017	ug/l	90

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38525	19.716	ug/l	95
40) Benzene	6.13	78	112228	20.826	ug/l	99
41) Methacrylonitrile	5.03	41	14861	21.902	ug/l	96
42) 1,2-Dichloroethane	6.18	62	44949	21.104	ug/l	99
43) Isopropyl Acetate	6.43	43	47905	20.644	ug/l	99
44) Trichloroethene	7.20	130	30688	21.043	ug/l	93
45) 1,2-Dichloropropane	7.50	63	31923	21.401	ug/l	98
46) Dibromomethane	7.65	93	17885	21.939	ug/l	98
47) Bromodichloromethane	7.89	83	44416	19.965	ug/l	97
48) Methyl methacrylate	7.76	41	22994	20.702	ug/l	100
49) 1,4-Dioxane	7.74	88	5858	390.847	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	129156	105.459	ug/l	99
52) Toluene	8.78	92	74646	20.971	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	43685	19.673	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	49057	19.923	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	27202	21.538	ug/l	97
56) Ethyl methacrylate	9.17	69	35204	20.586	ug/l	100
57) 1,3-Dichloropropane	9.37	76	46387	21.504	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	84244	96.118	ug/l	99
59) 2-Hexanone	9.49	43	91368	107.296	ug/l	100
60) Dibromochloromethane	9.57	129	29735	20.167	ug/l	99
61) 1,2-Dibromoethane	9.67	107	25473	21.667	ug/l	99
64) Tetrachloroethene	9.33	164	26279	21.828	ug/l	95
65) Chlorobenzene	10.14	112	87601	21.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	32438	20.688	ug/l	100
67) Ethyl Benzene	10.25	91	150883	20.396	ug/l	100
68) m/p-Xylenes	10.36	106	112640	41.363	ug/l	99
69) o-Xylene	10.70	106	54343	20.371	ug/l	99
70) Styrene	10.71	104	96239	20.341	ug/l	99
71) Bromoform	10.86	173	15848	19.491	ug/l #	98
73) Isopropylbenzene	11.01	105	148474	19.421	ug/l	99
74) N-amyl acetate	10.89	43	43872	19.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	34847	21.224	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	29825m	19.992	ug/l	
77) Bromobenzene	11.25	156	36131	20.527	ug/l	97
78) n-propylbenzene	11.35	91	181491	19.659	ug/l	100
79) 2-Chlorotoluene	11.42	91	110838	19.378	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	135374	19.691	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8875	17.825	ug/l	96
82) 4-Chlorotoluene	11.51	91	136129	19.804	ug/l	100
83) tert-Butylbenzene	11.76	119	132708	19.879	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	139999	19.698	ug/l	98
85) sec-Butylbenzene	11.94	105	155923	19.575	ug/l	99
86) p-Isopropyltoluene	12.06	119	145888	19.822	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	72526	20.227	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	74701	20.604	ug/l	99
89) n-Butylbenzene	12.39	91	140710	19.506	ug/l	99
90) Hexachloroethane	12.59	117	24541	18.103	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	67728	20.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6390	19.067	ug/l	96

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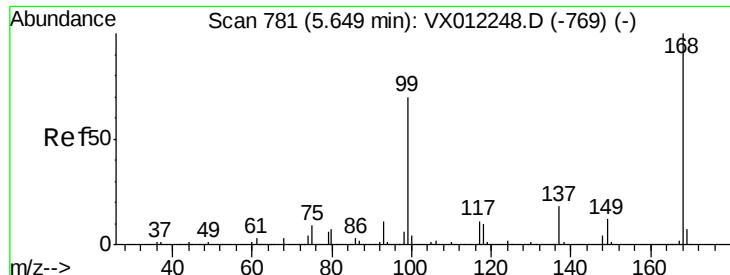
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	44599	19.471	µg/l	98
94) Hexachlorobutadiene	13.78	225	24005	21.067	µg/l	97
95) Naphthalene	13.83	128	95950	19.520	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	40213	19.842	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion:168 Resp: 138338

Ion Ratio Lower Upper

168 100

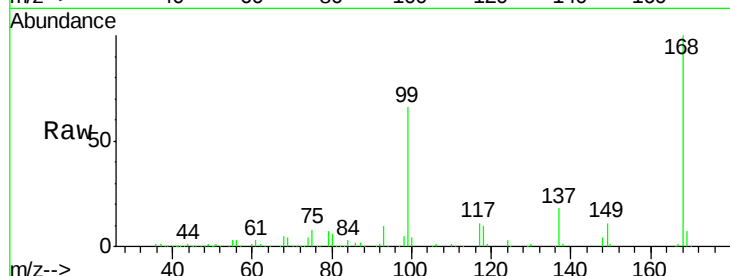
99 65.9 55.8 83.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

50000

40000

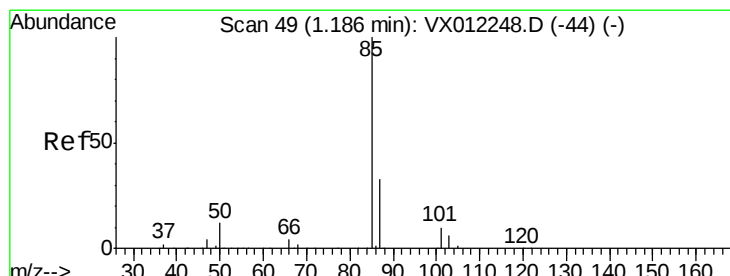
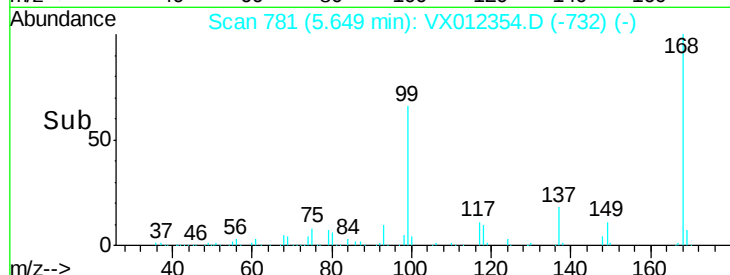
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.469 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012354.D

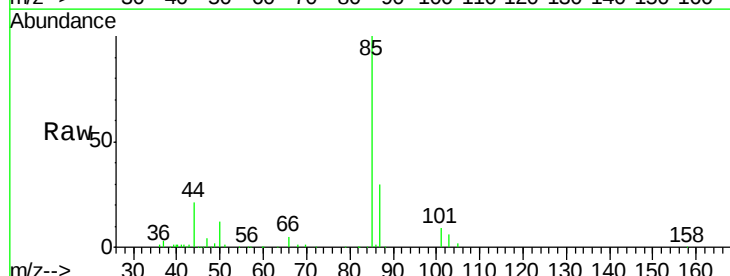
Acq: 12 Sep 2019 18:23

Tgt Ion: 85 Resp: 22020

Ion Ratio Lower Upper

85 100

87 29.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

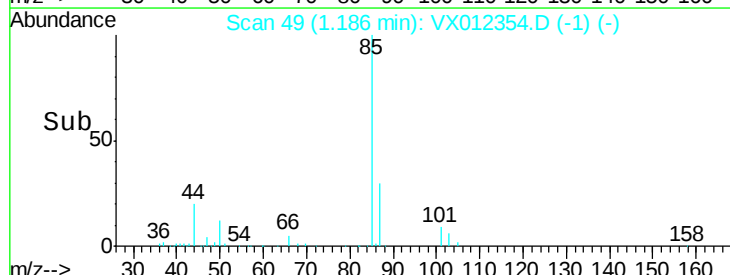
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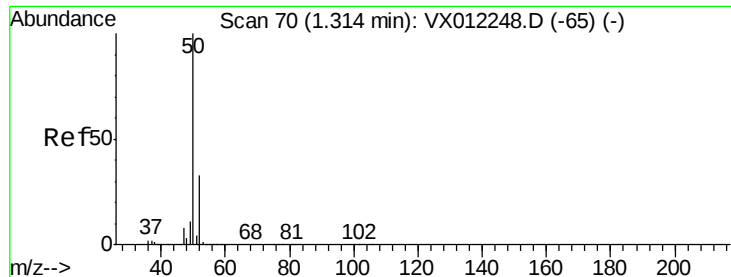
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.373 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 50 Resp: 20770

Ion Ratio Lower Upper

50 100

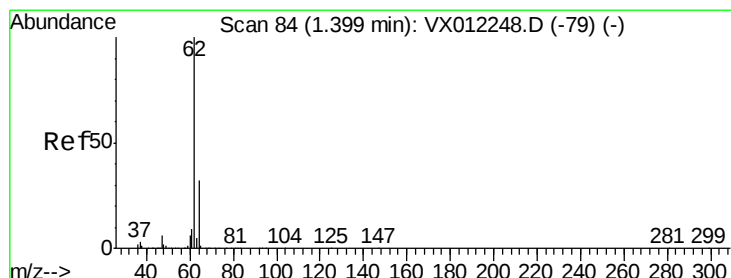
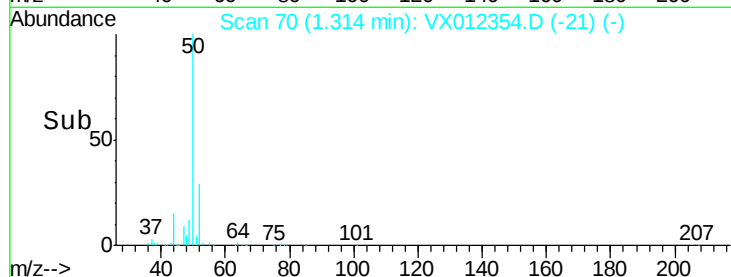
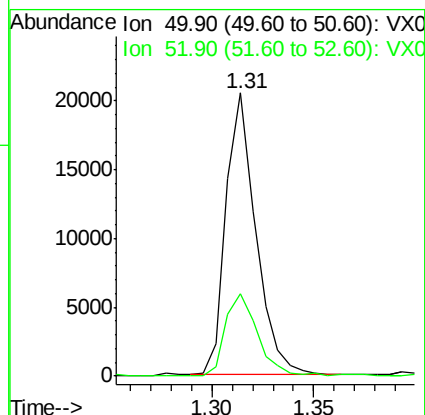
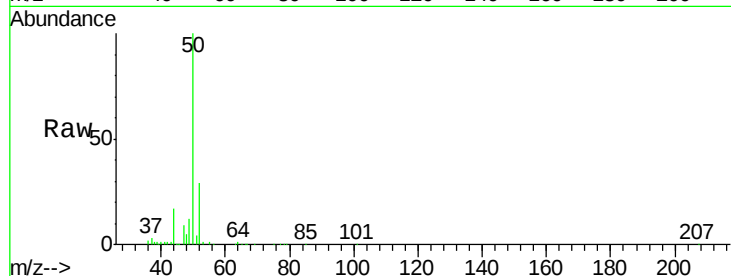
52 29.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.883 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012354.D

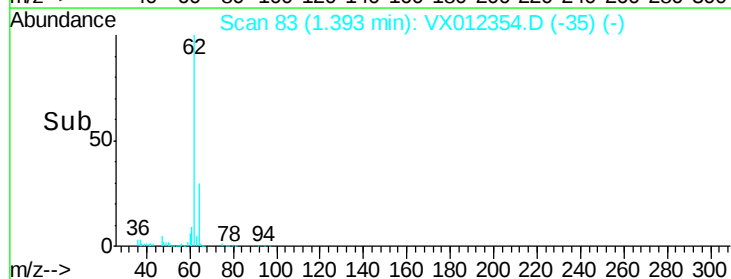
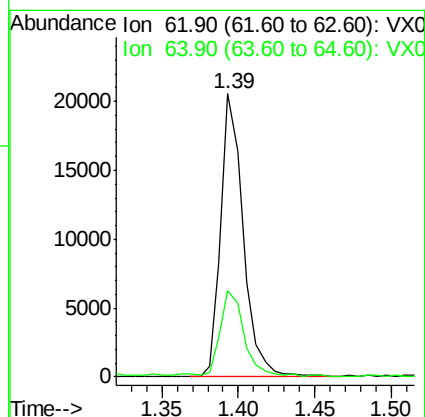
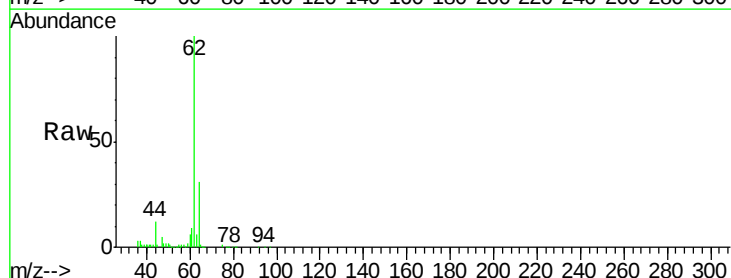
Acq: 12 Sep 2019 18:23

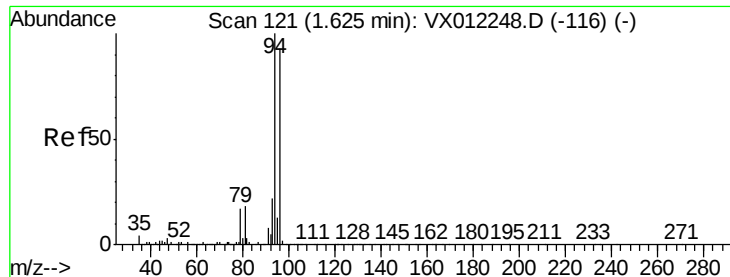
Tgt Ion: 62 Resp: 21110

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 20.605 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 94 Resp: 9558

Ion Ratio Lower Upper

94 100

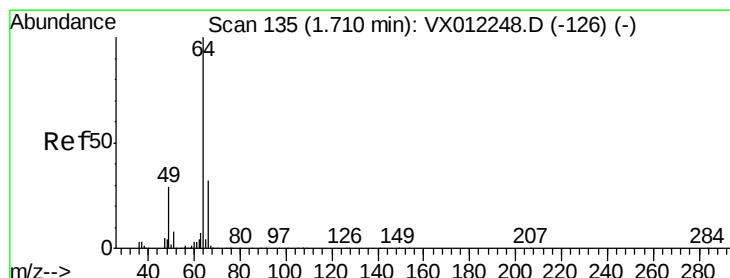
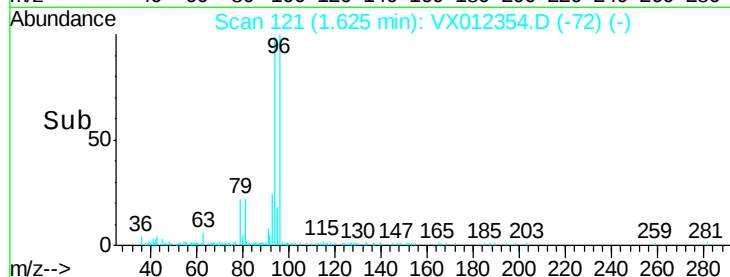
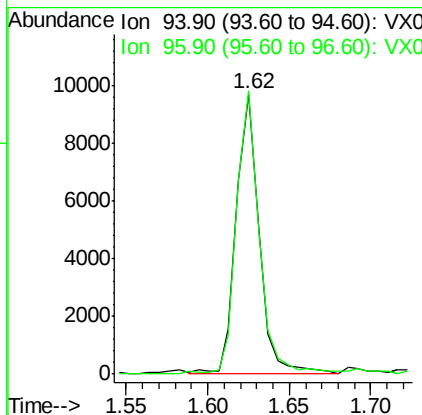
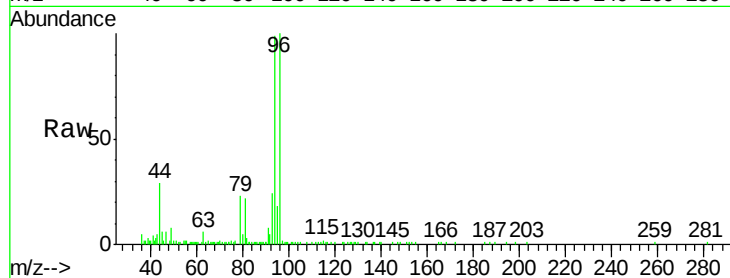
96 100.2 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 20.315 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012354.D

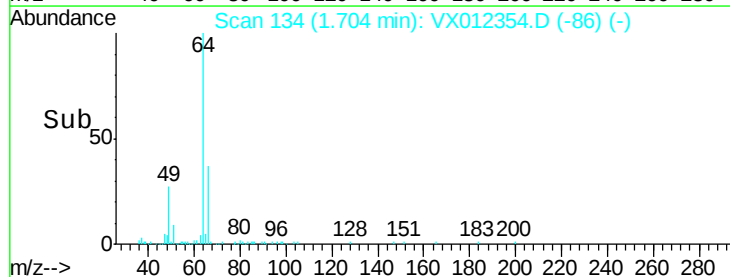
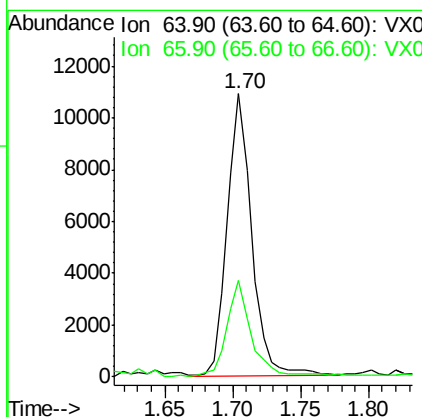
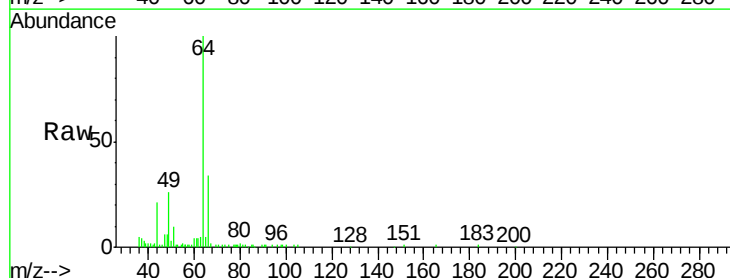
Acq: 12 Sep 2019 18:23

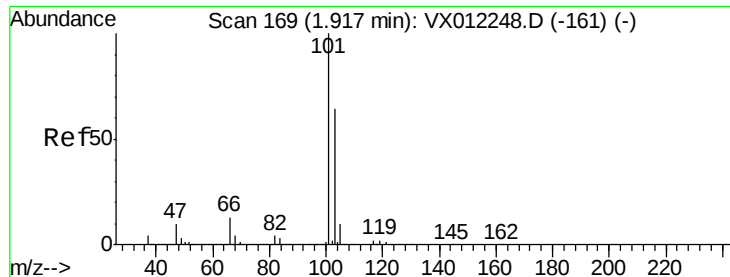
Tgt Ion: 64 Resp: 13732

Ion Ratio Lower Upper

64 100

66 34.4 25.8 38.6





#7

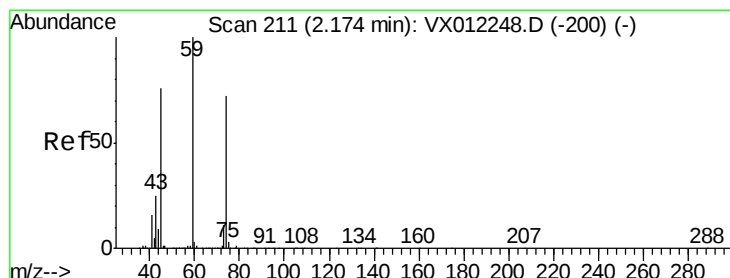
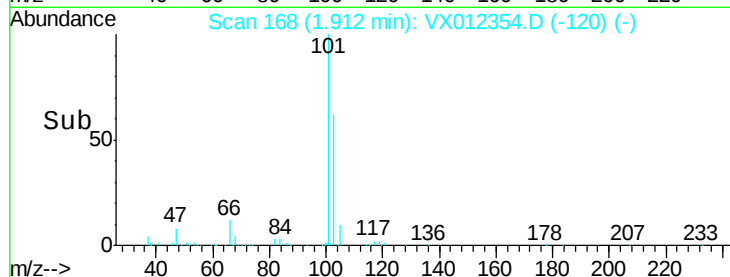
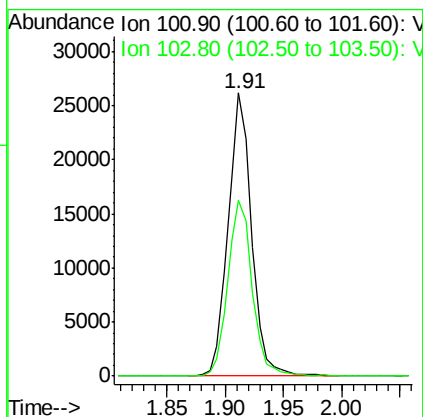
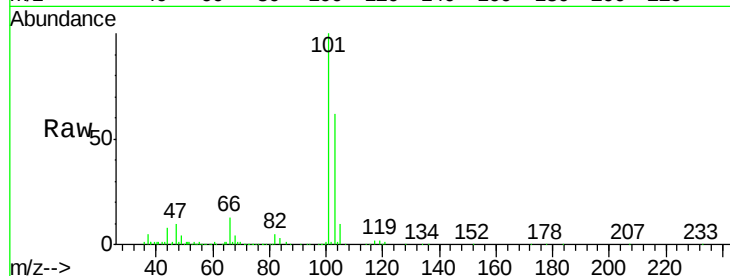
Trichlorofluoromethane
Concen: 20.044 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
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ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	36671		
103	62.3	51.4	77.2	

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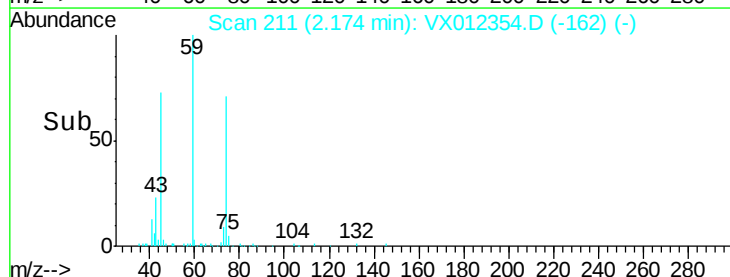
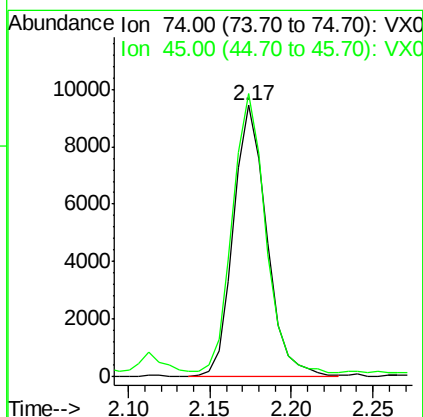
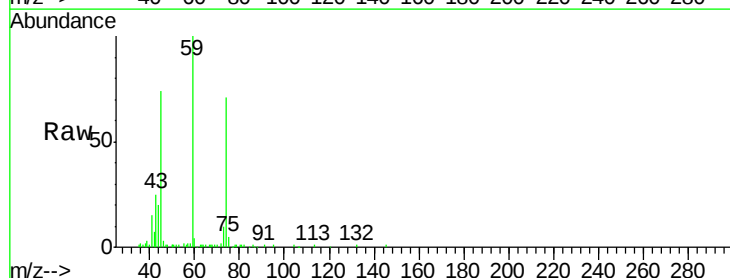
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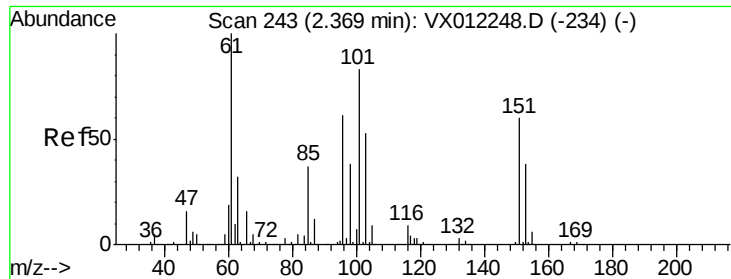


#8

Diethyl Ether
Concen: 21.582 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	13473		
45	101.4	51.3	153.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.921 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

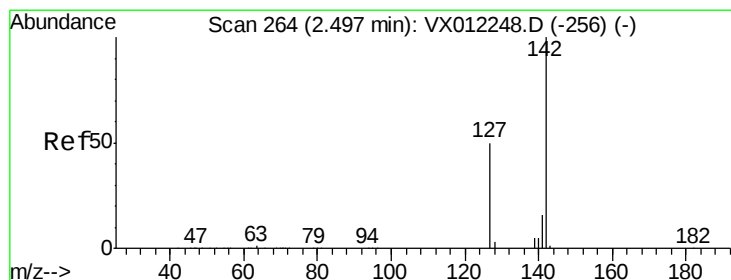
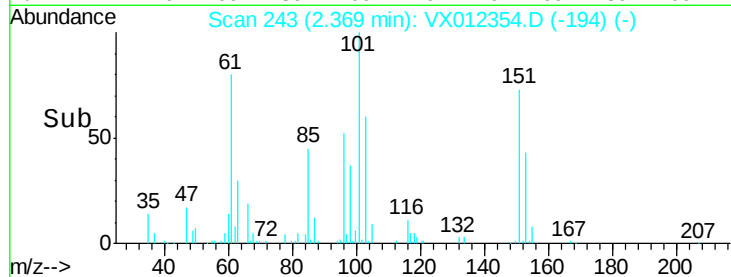
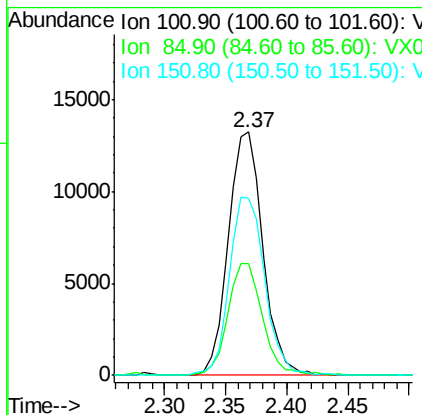
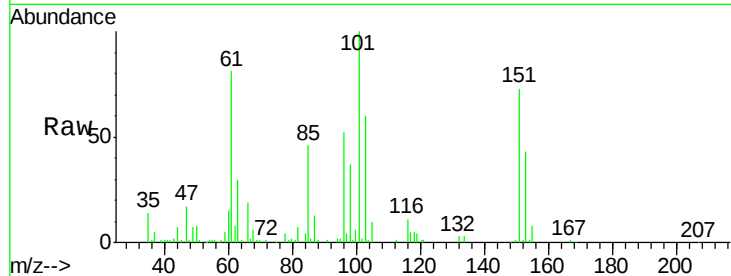
ClientSampleId :

VX0912SBS02

Tot Ion:	101	Resp:	25796
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.0	55.6
151	75.1	58.6	87.8

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#10

Methyl Iodide

Concen: 14.377 ug/l

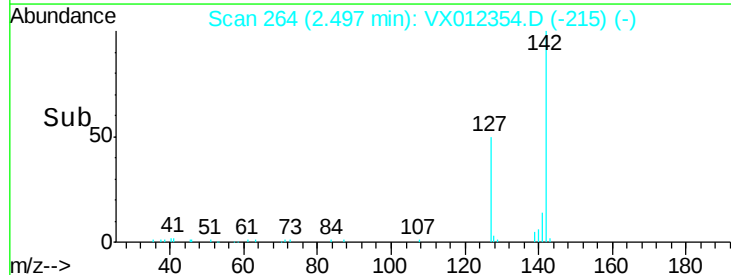
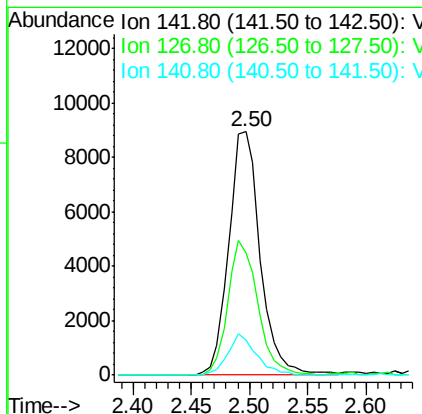
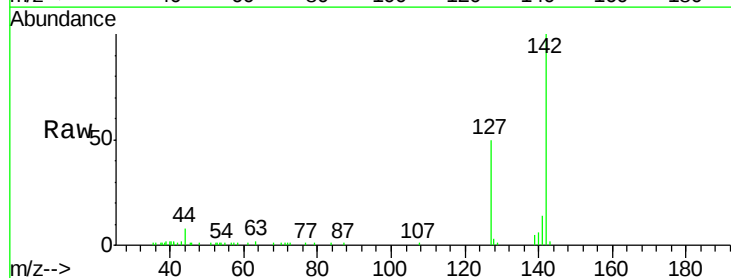
RT: 2.50 min Scan# 264

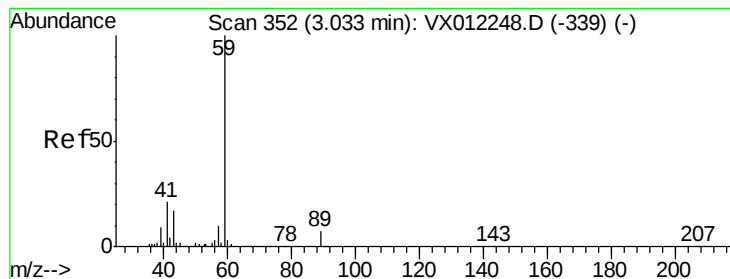
Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	142	Resp:	16872
Ion Ratio	Lower	Upper	
142	100		
127	52.5	40.6	61.0
141	15.4	12.0	18.0





#11

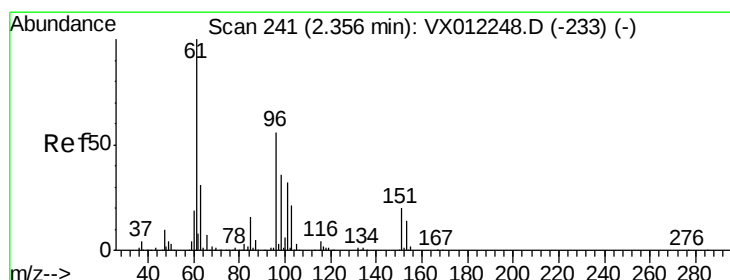
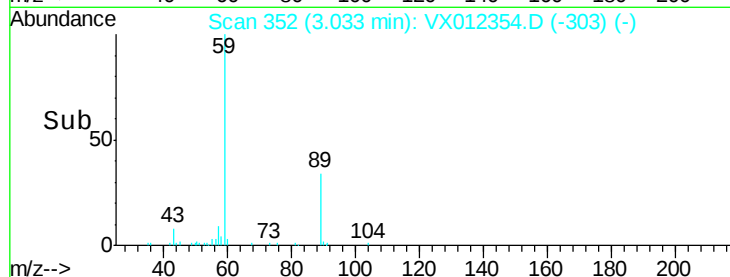
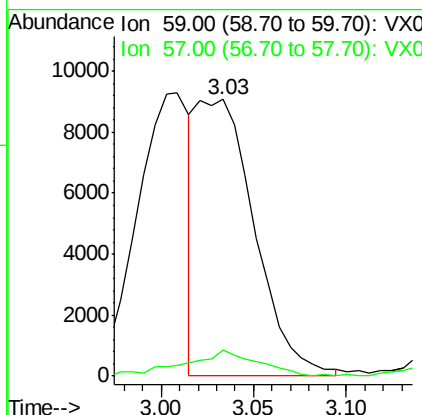
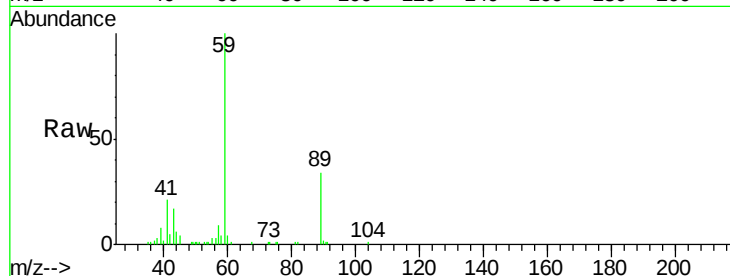
Tert butyl alcohol
 Concen: 87.959 ug/l m
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0912SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#

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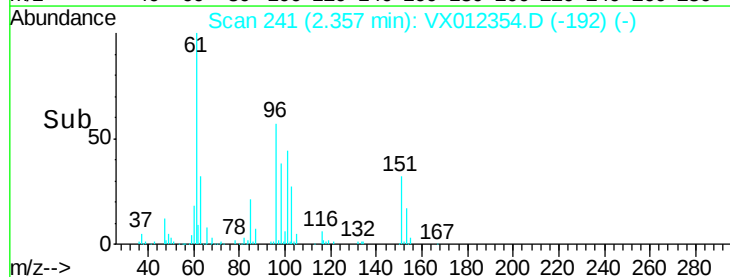
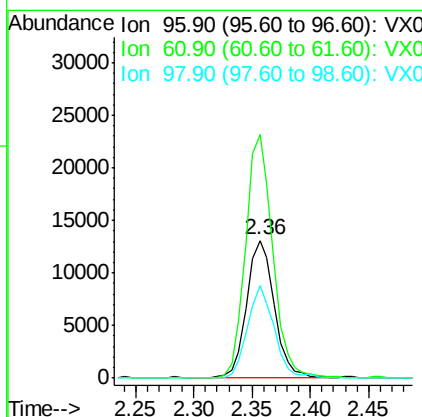
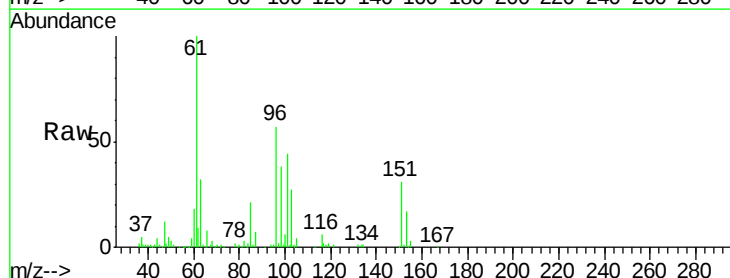
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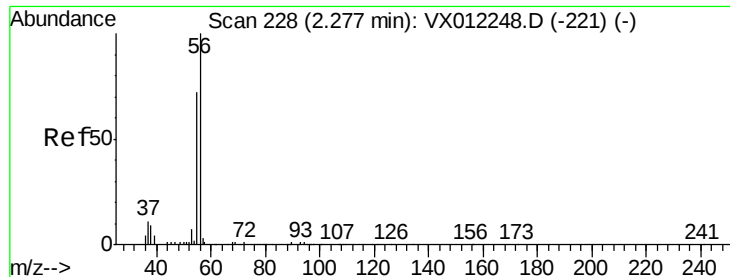


#12

1,1-Dichloroethene
 Concen: 20.980 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.8	142.2	213.2
98	67.7	51.3	76.9





#13

Acrolein

Concen: 73.582 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 56 Resp: 7523

Ion Ratio Lower Upper

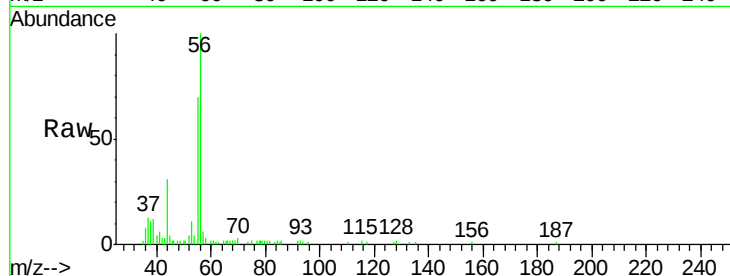
56 100

55 75.6 59.8 89.6

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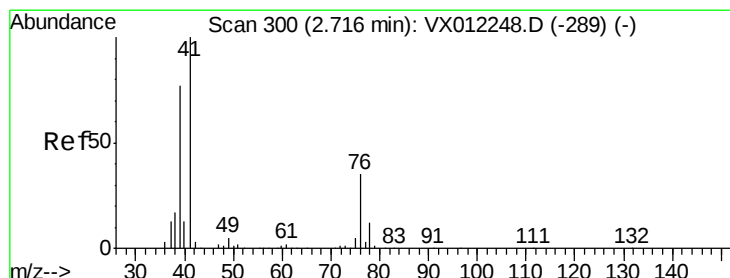
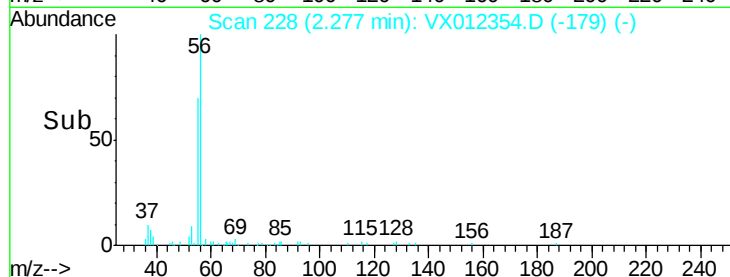
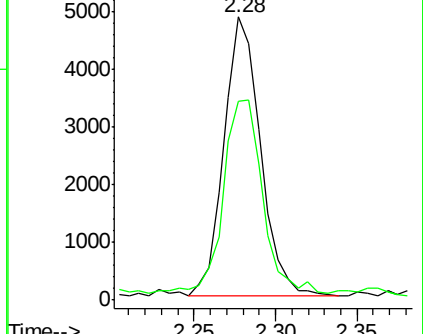
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.703 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

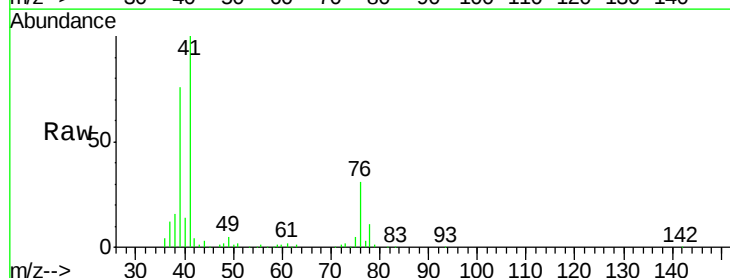
Tgt Ion: 41 Resp: 42050

Ion Ratio Lower Upper

41 100

39 72.8 58.6 87.8

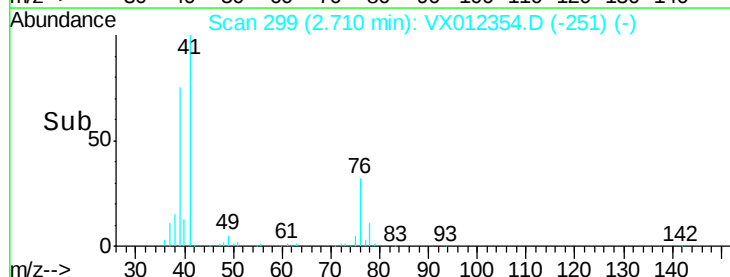
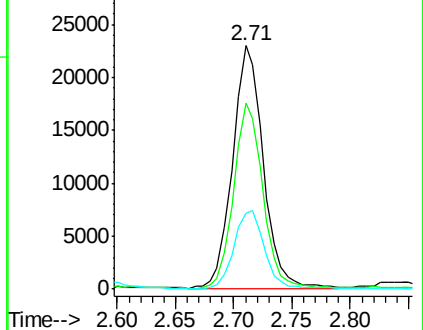
76 33.1 26.3 39.5

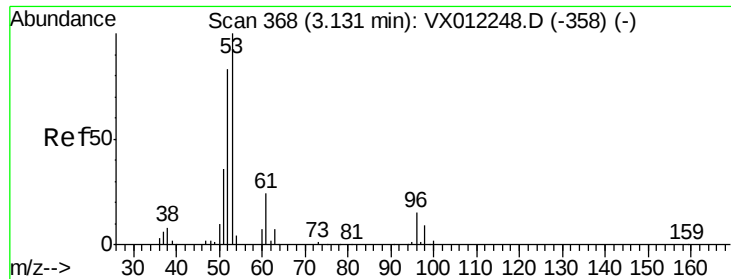


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 108.057 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

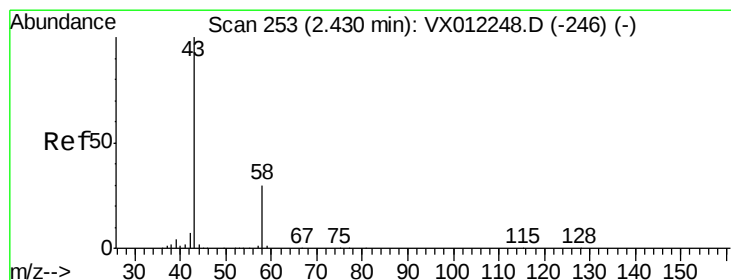
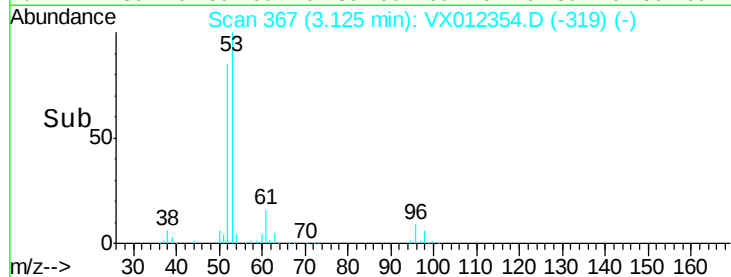
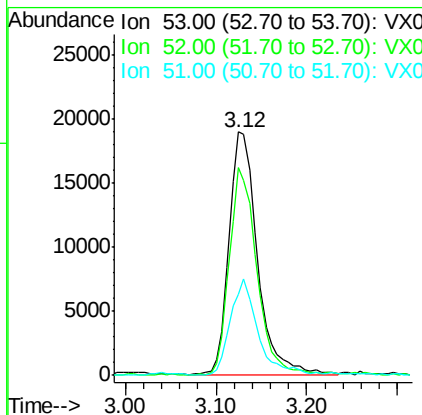
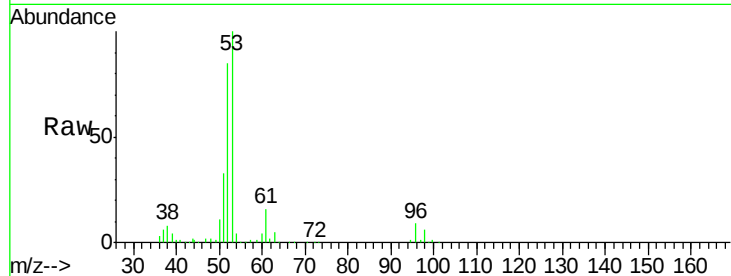
ClientSampleId :

VX0912SBS02

Tot Ion:	53	Resp:	41699
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.8	100.2
51	38.4	30.7	46.1

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#16

Acetone

Concen: 99.796 ug/l

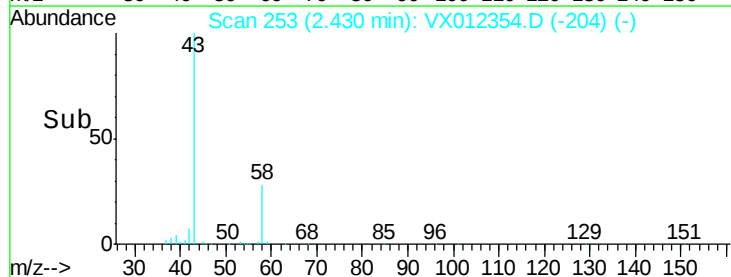
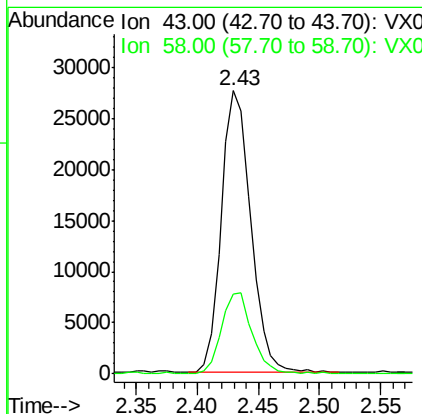
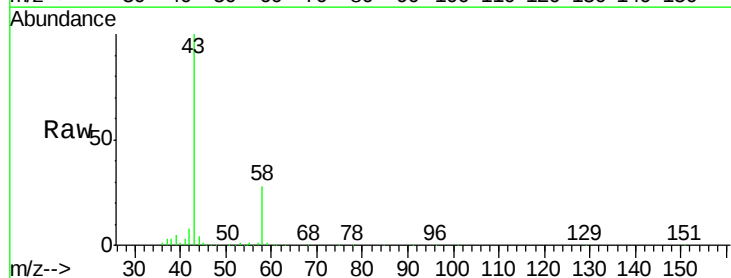
RT: 2.43 min Scan# 253

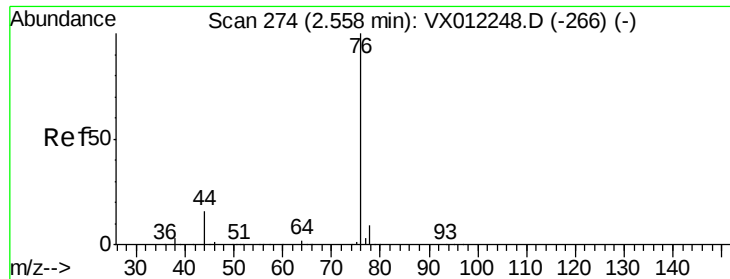
Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	43	Resp:	46206
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.6	35.4





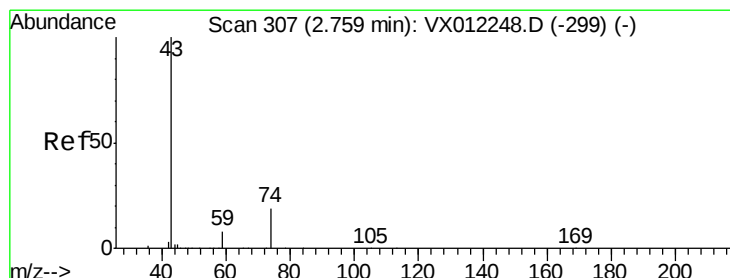
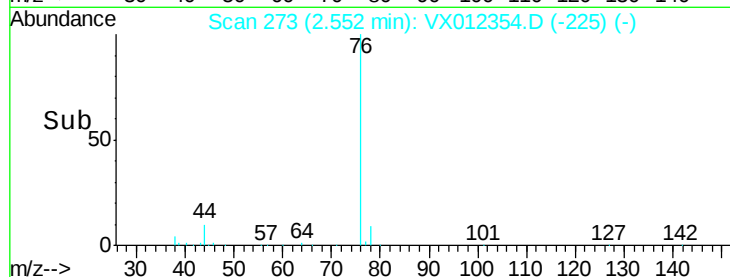
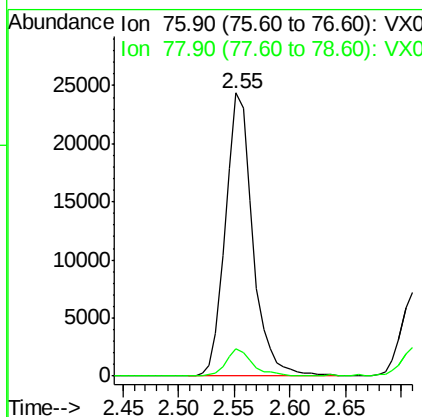
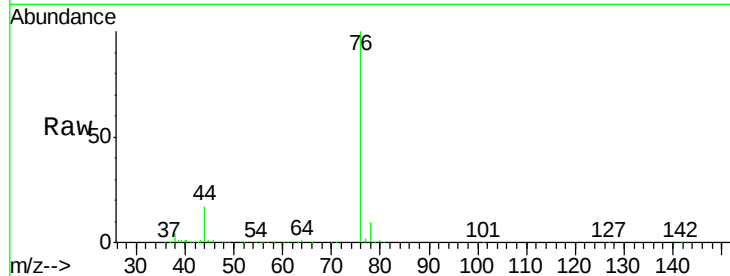
#17
Carbon Disulfide
Concen: 18.857 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion: 76 Resp: 41452
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

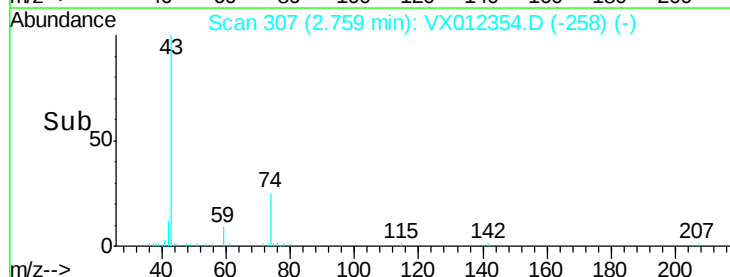
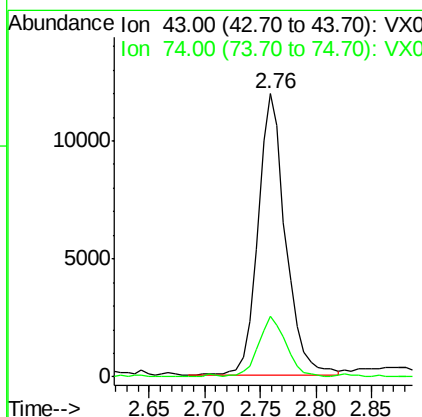
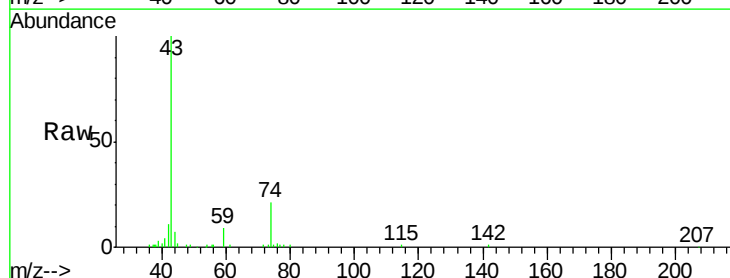
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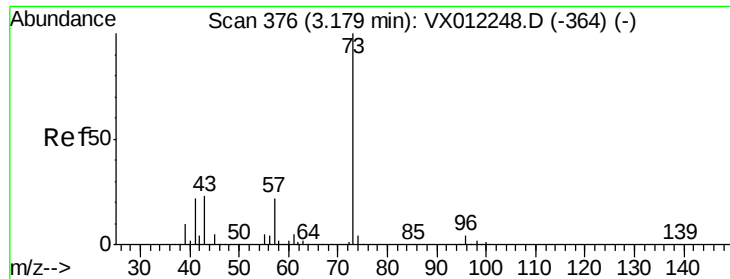
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#18
Methyl Acetate
Concen: 21.207 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 43 Resp: 20638
Ion Ratio Lower Upper
43 100
74 21.6 18.3 27.5





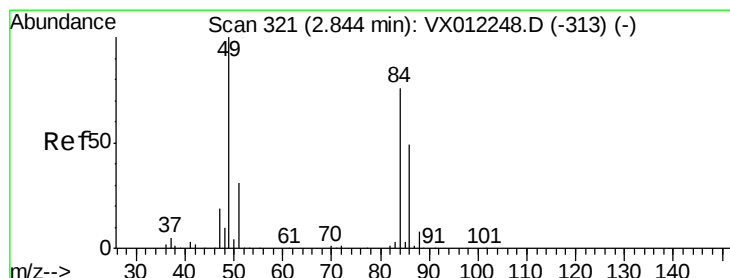
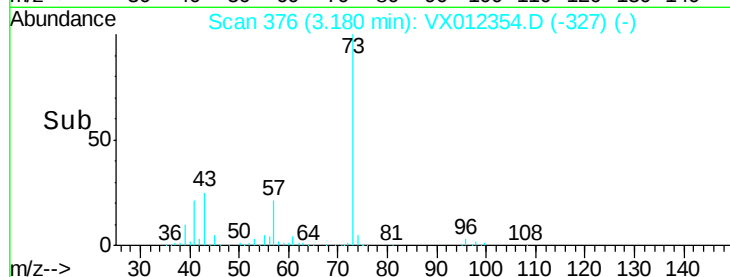
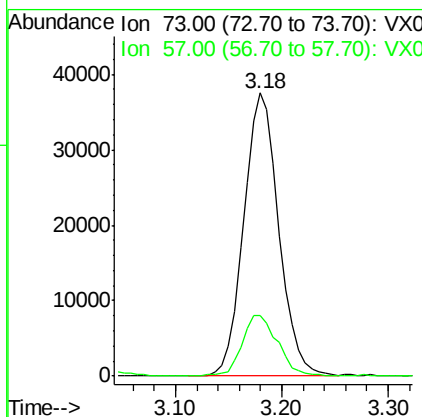
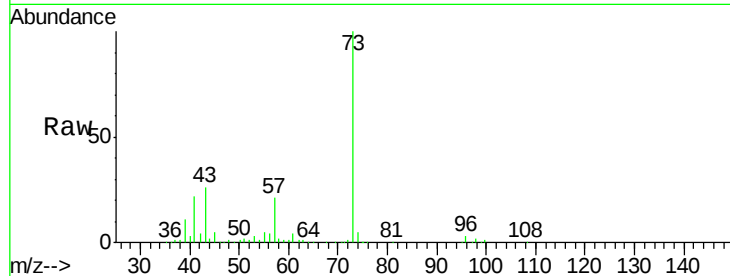
#19
Methvl tert-butvl Ether
Concen: 20.892 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.7	26.5

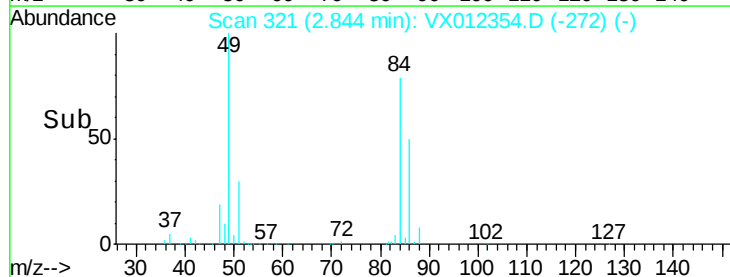
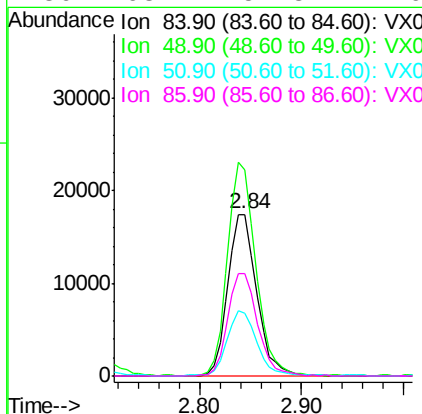
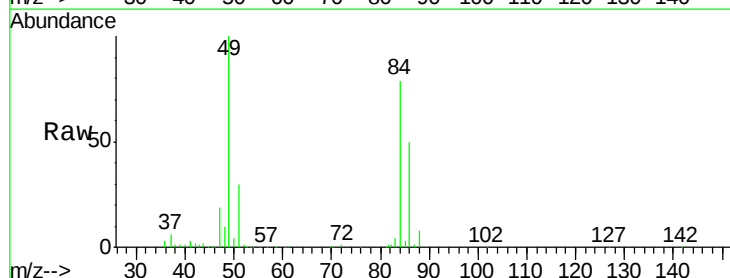
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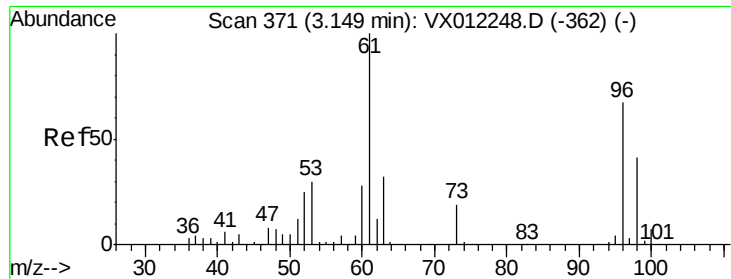
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#20
Methylene Chloride
Concen: 22.116 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.8	105.0	157.6
51	38.2	32.6	48.8
86	63.7	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 20.663 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

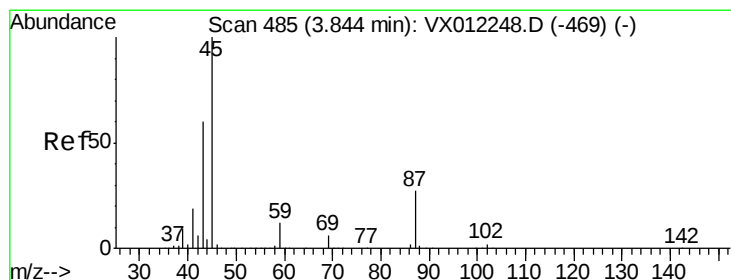
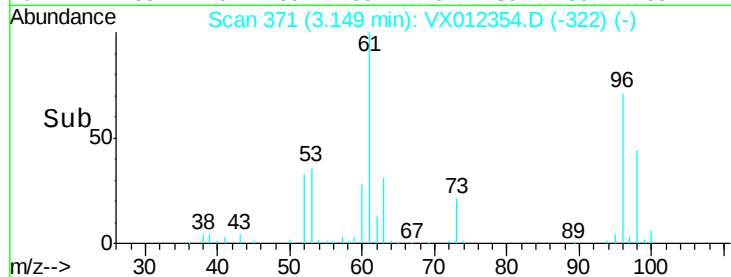
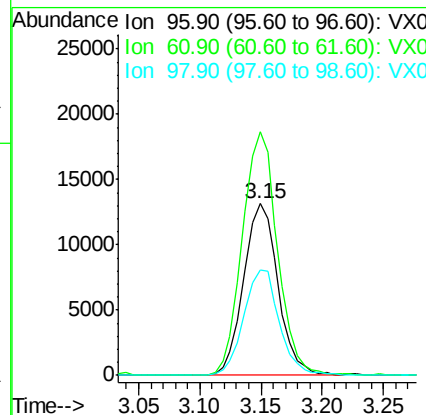
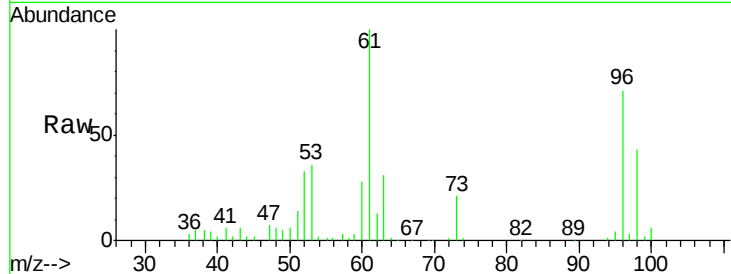
ClientSampleId :

VX0912SBS02

Tot Ion:	96	Resp:	25806
Ion	Ratio	Lower	Upper
96	100		
61	141.8	119.4	179.2
98	61.6	48.4	72.6

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#22

Diisopropyl ether

Concen: 20.719 ug/l

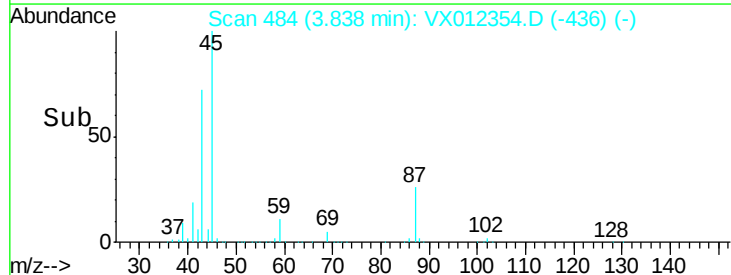
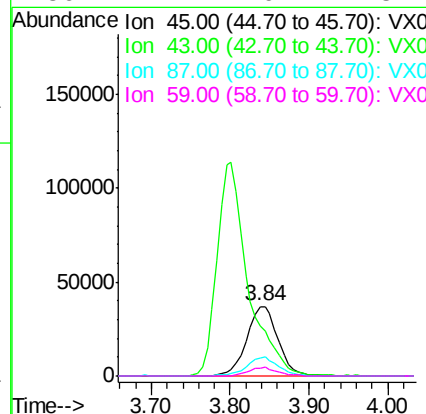
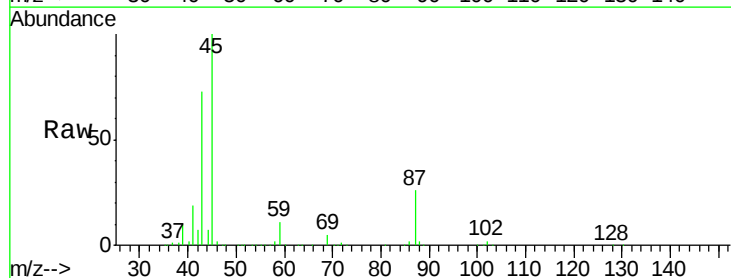
RT: 3.84 min Scan# 484

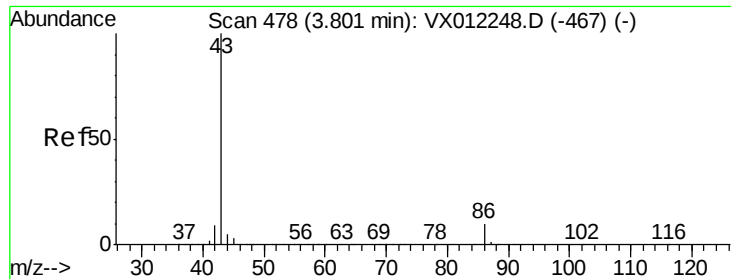
Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	45	Resp:	101128
Ion	Ratio	Lower	Upper
45	100		
43	72.0	48.3	72.5
87	26.3	21.8	32.8
59	11.1	9.1	13.7





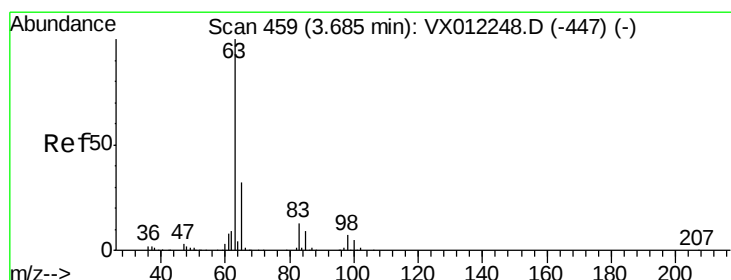
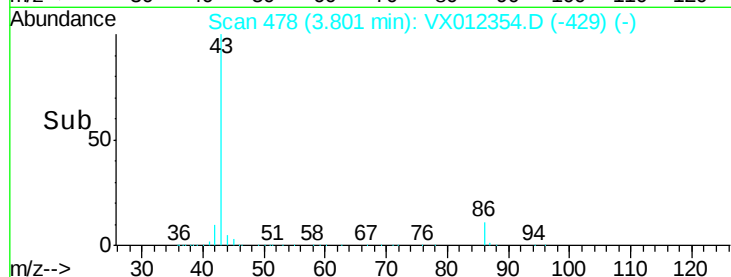
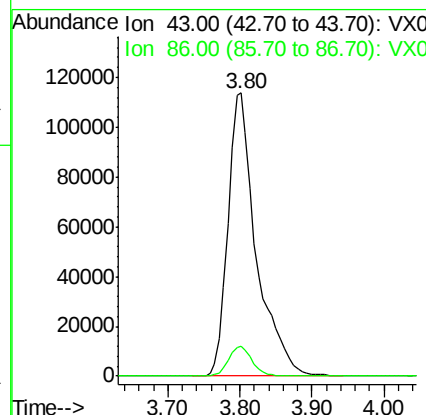
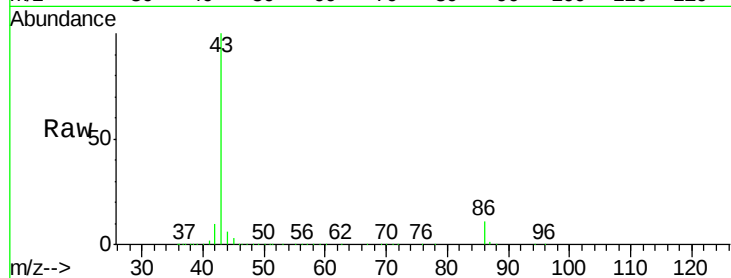
#23
 Vinyl Acetate
 Concen: 103.736 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	43	86	Resp	Lower	Upper
310646	100	10.8		8.3	12.5

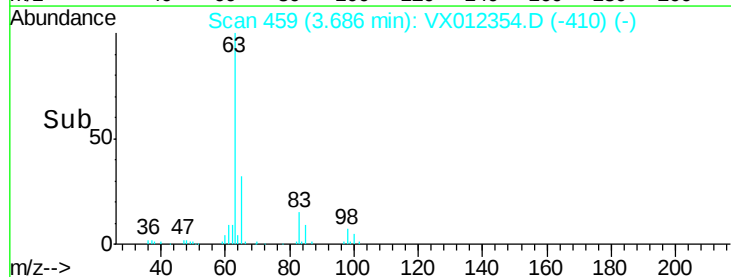
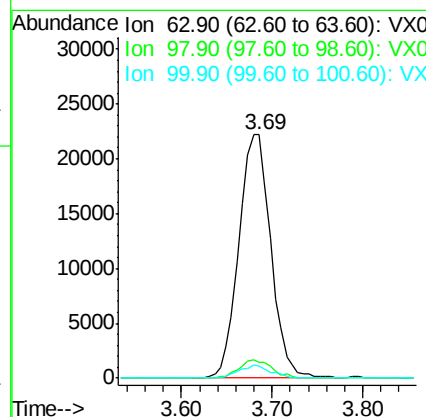
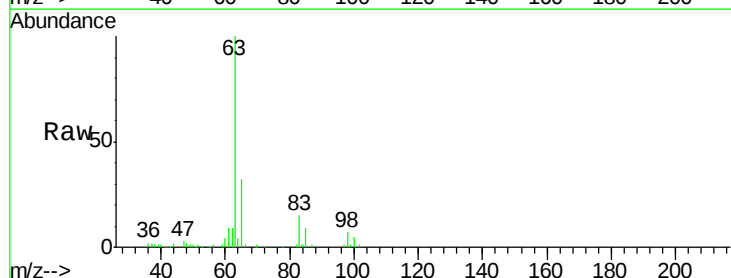
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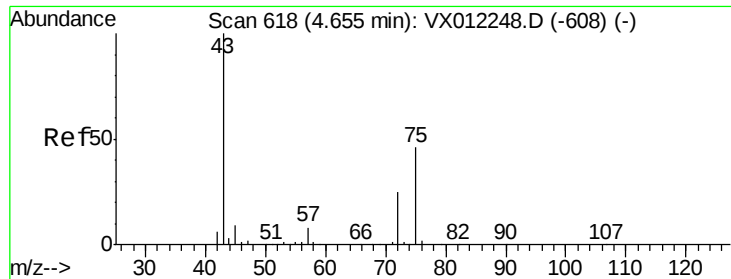
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#24
 1,1-Dichloroethane
 Concen: 20.823 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion	63	98	100	Resp	Lower	Upper
54440	100	6.7	4.7		3.4	10.1
					2.4	7.2





#25

2-Butanone

Concen: 104.541 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 43 Resp: 61876

Ion Ratio Lower Upper

43 100

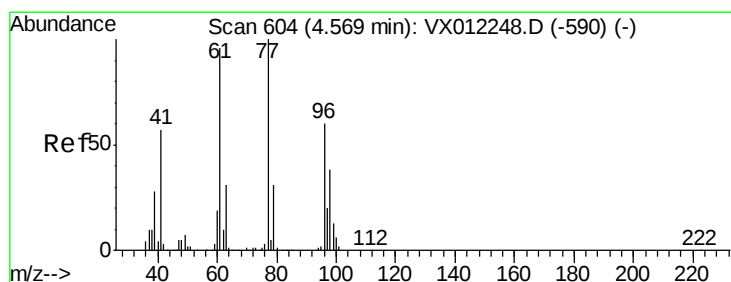
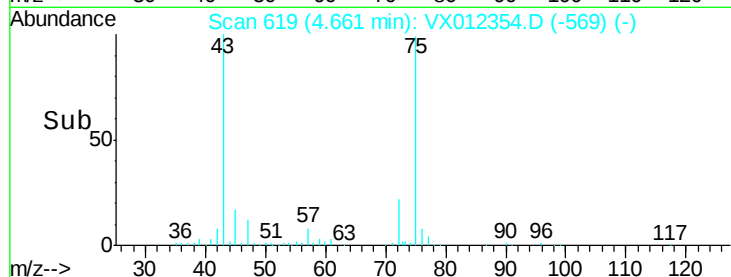
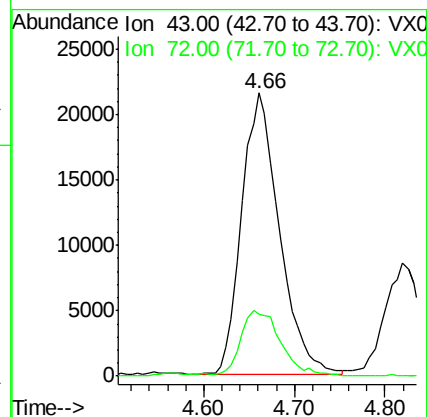
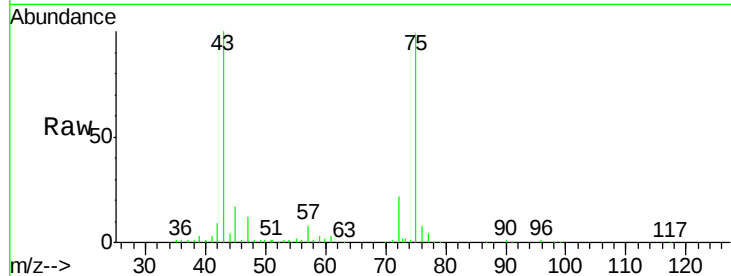
72 21.8 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.628 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012354.D

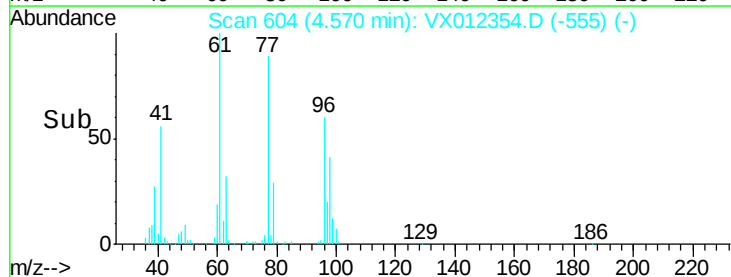
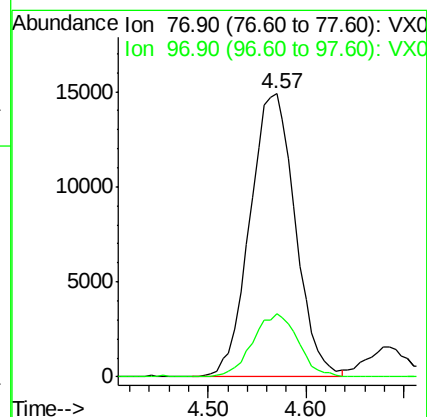
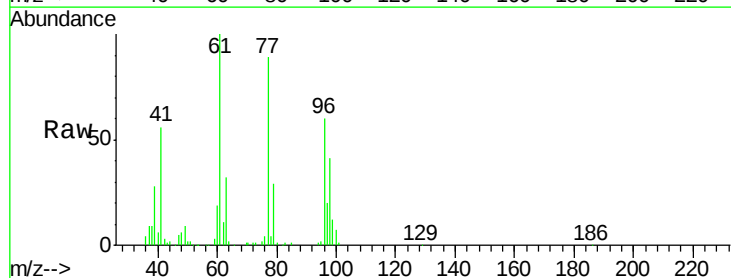
Acq: 12 Sep 2019 18:23

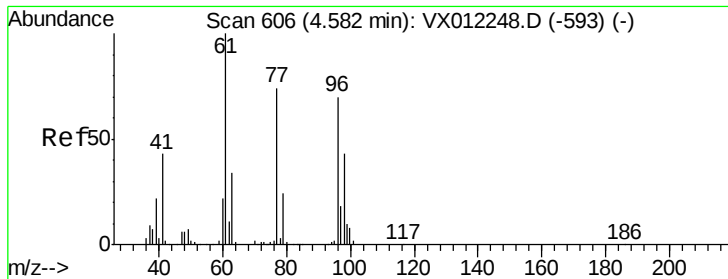
Tgt Ion: 77 Resp: 48177

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1





#27

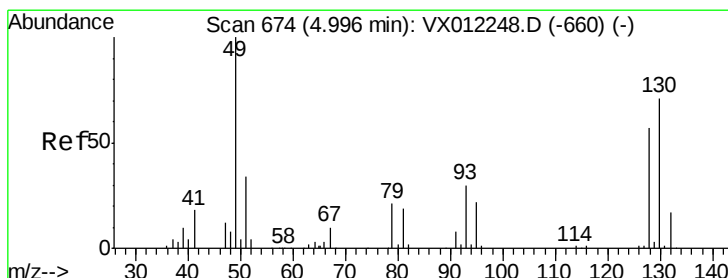
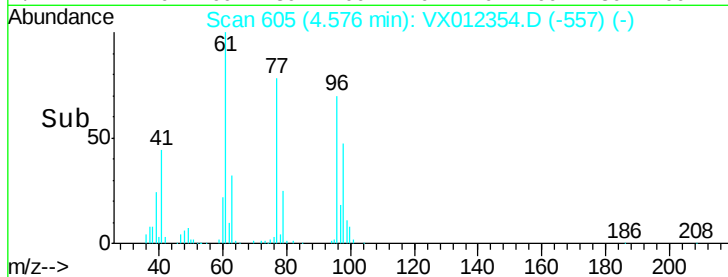
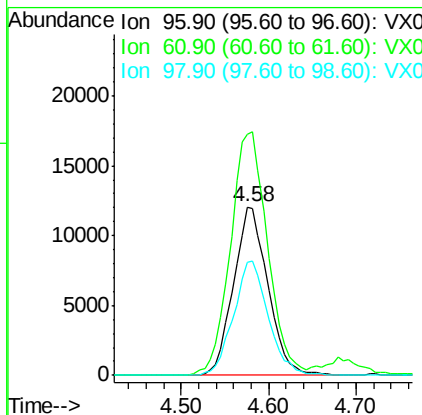
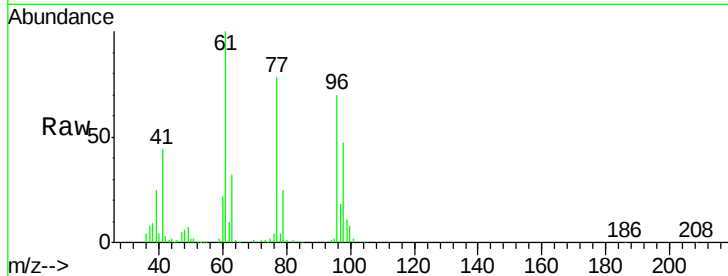
cis-1,2-Dichloroethene
Concen: 20.460 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.2	0.0	310.4	
98	68.4	0.0	128.8	

Manual Integrations
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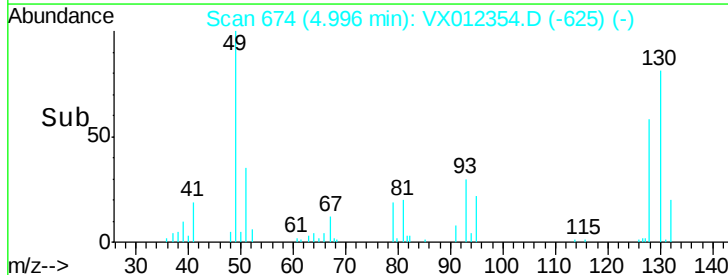
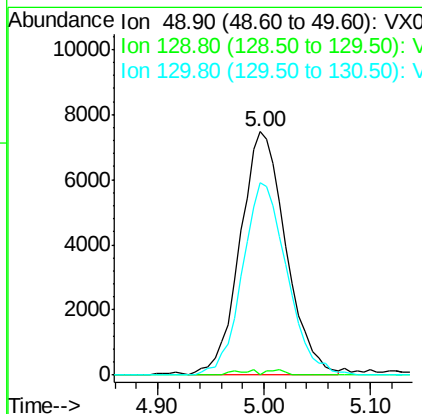
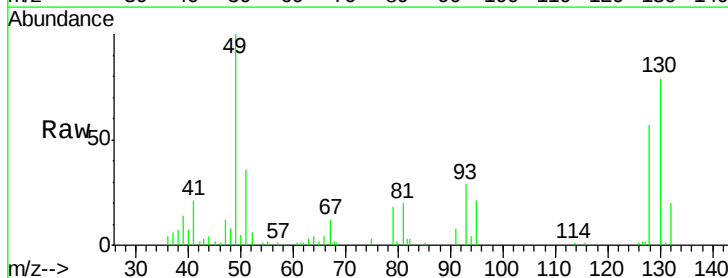
MMDadoda
9/13/2019 10:11:58 AM

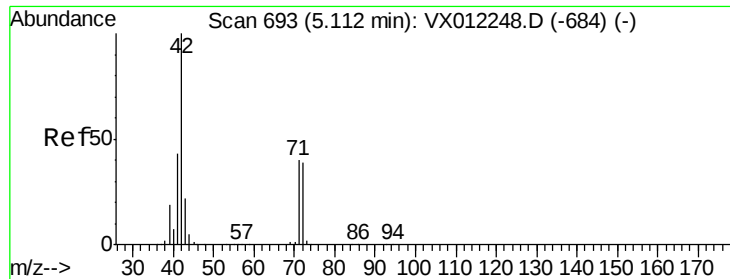


#28

Bromochloromethane
Concen: 18.372 ug/l
RT: 5.00 min Scan# 674
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	5.2	
130	77.0	60.1	90.1	





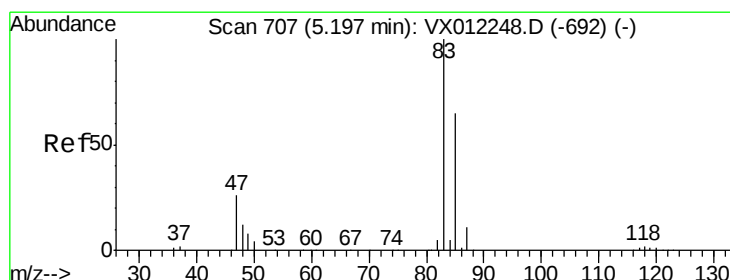
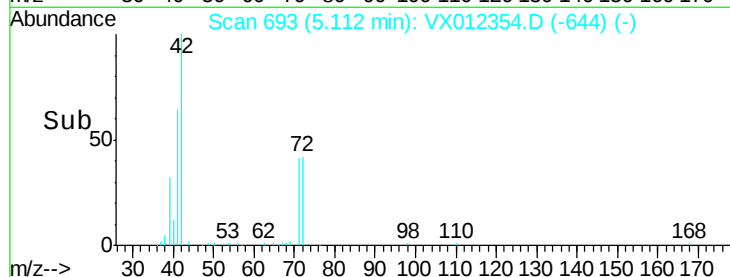
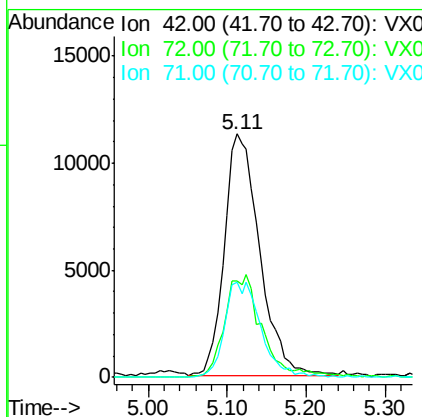
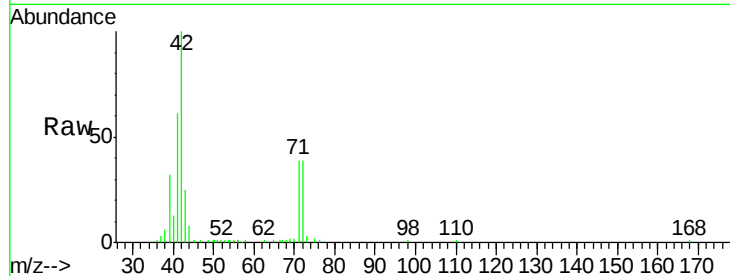
#29
Tetrahydrofuran
Concen: 109.446 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.2	52.8
71	40.7	32.5	48.7

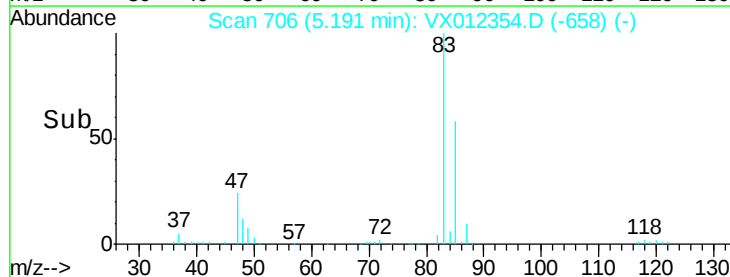
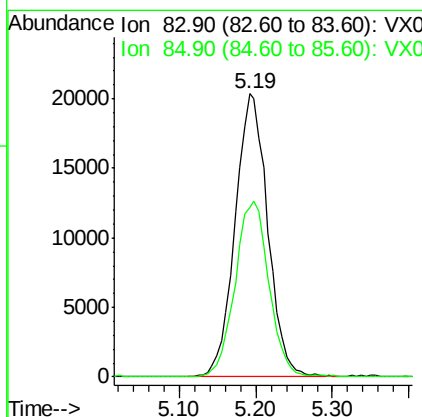
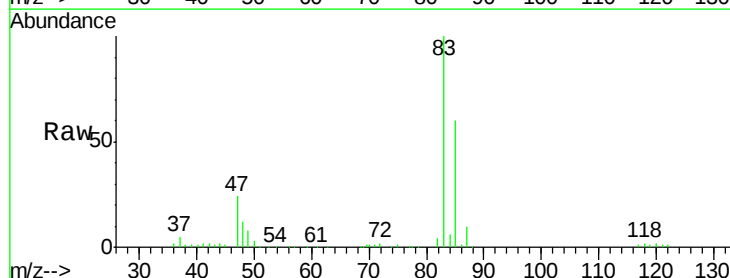
Manual Integrations
APPROVED

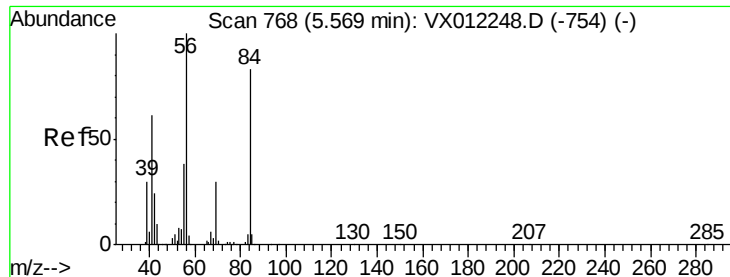
MMDadoda
9/13/2019 10:11:58 AM



#30
Chloroform
Concen: 20.412 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.3	78.5





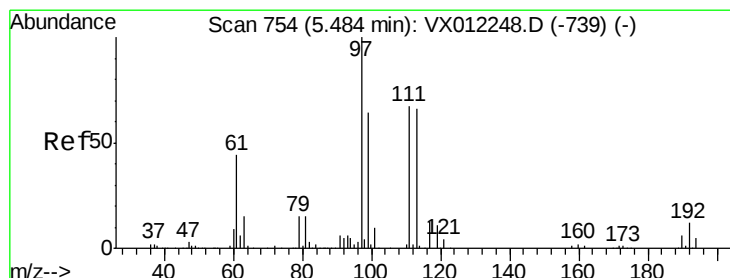
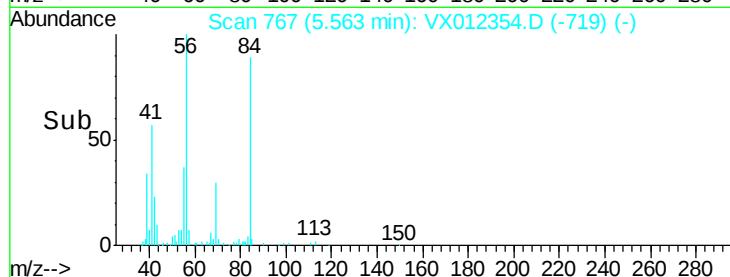
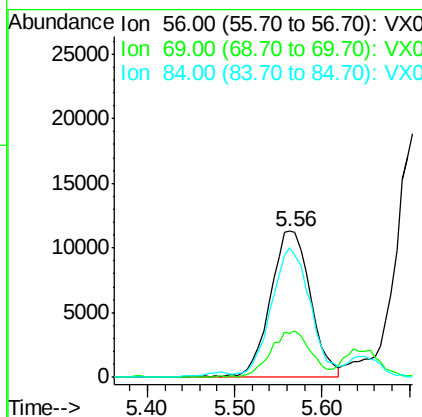
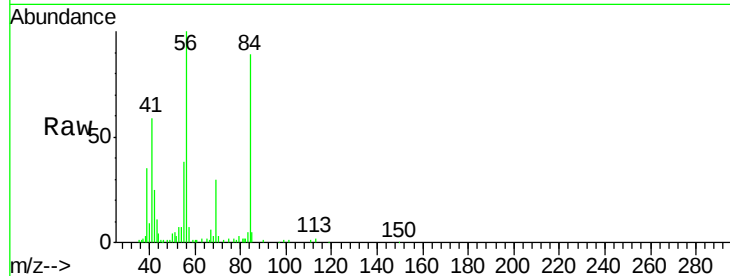
#31
Cyclohexane
Concen: 19.938 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.6
84	87.7	66.6	100.0

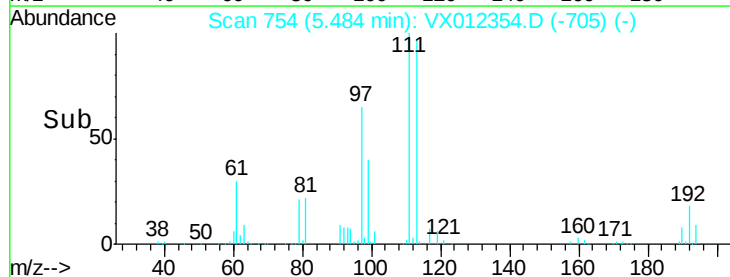
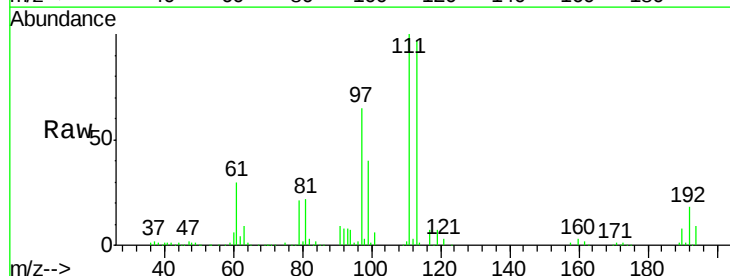
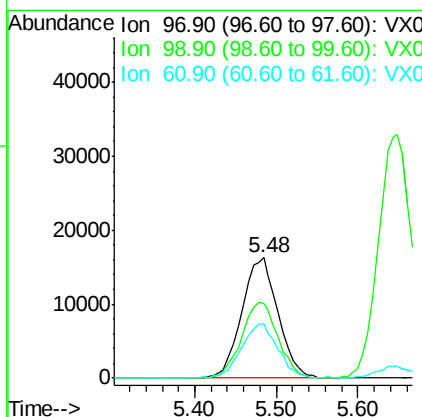
Manual Integrations
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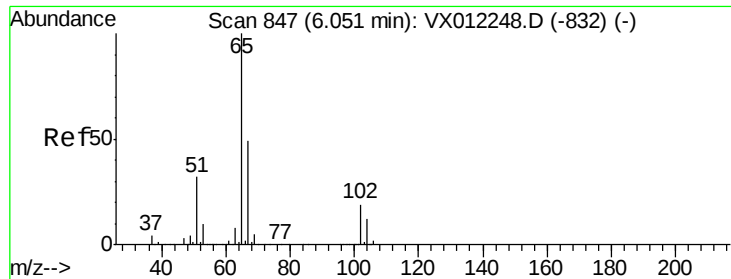
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#32
1,1,1-Trichloroethane
Concen: 19.805 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	46.0	35.4	53.0





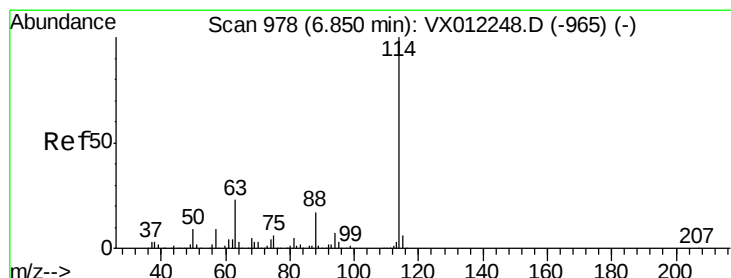
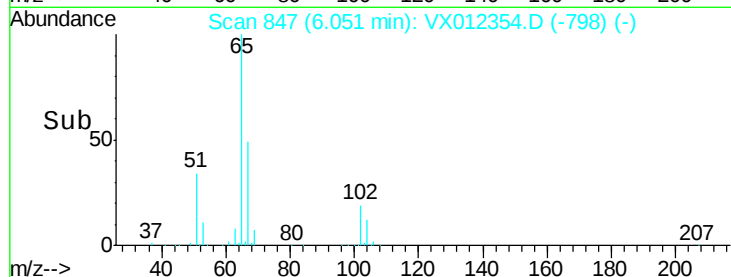
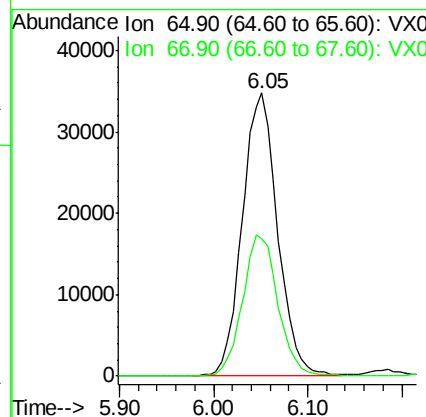
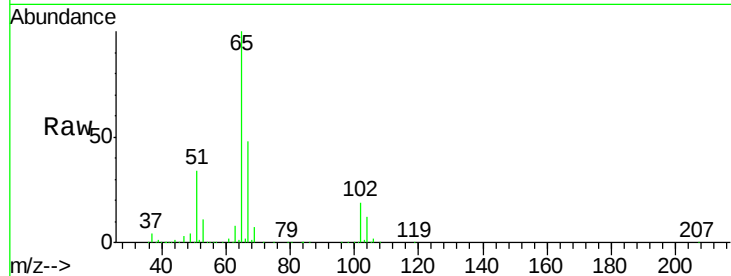
#33
 1,2-Dichloroethane-d4
 Concen: 46.597 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	91135		
67	50.2	0.0	99.8	

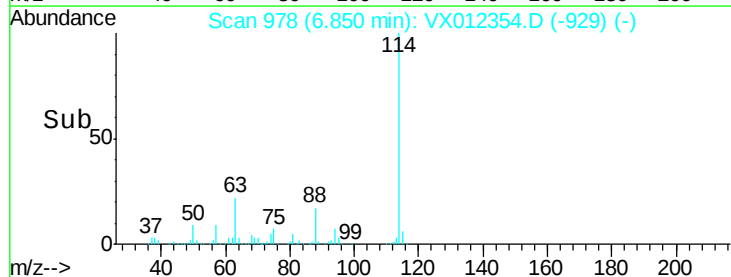
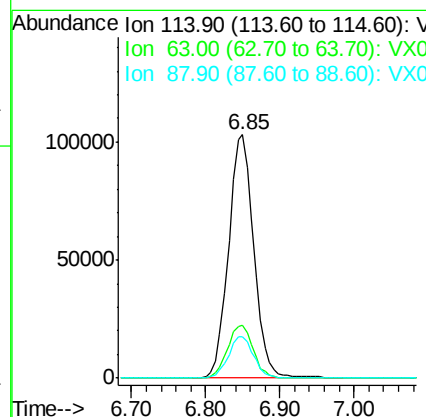
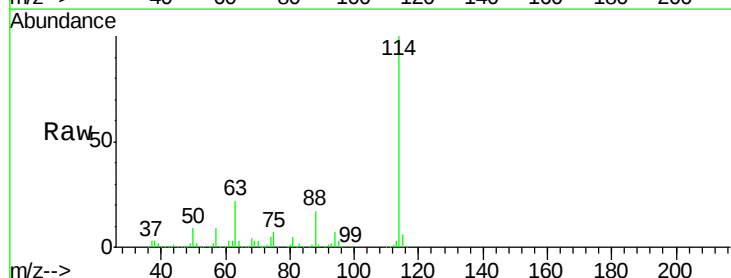
Manual Integrations
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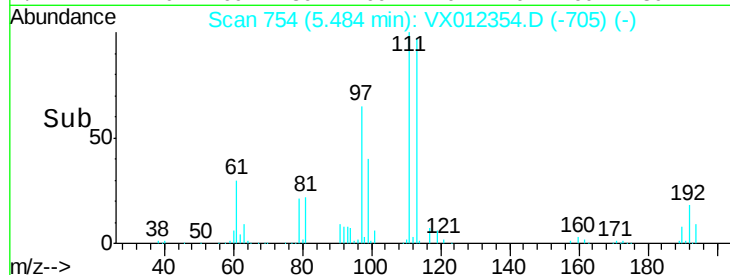
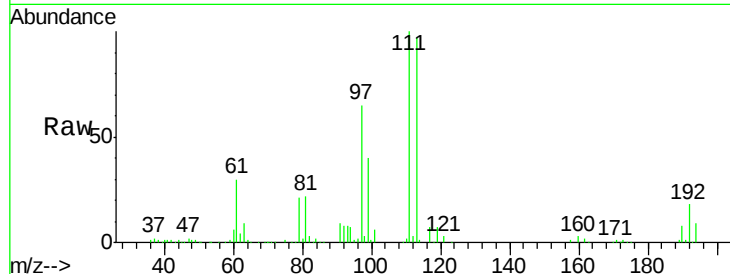
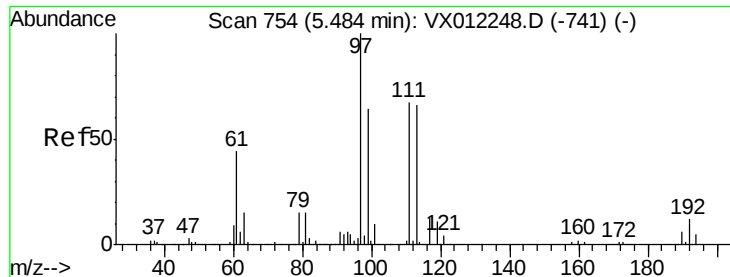
MMDadoda
 9/13/2019 10:11:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	244185		
63	21.7	0.0	45.2	
88	17.1	0.0	34.8	





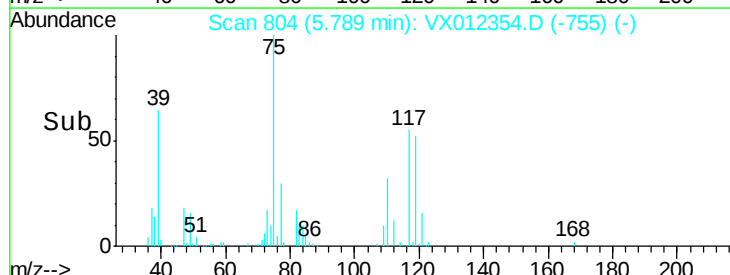
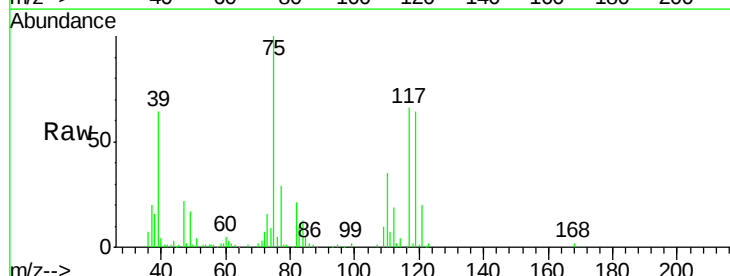
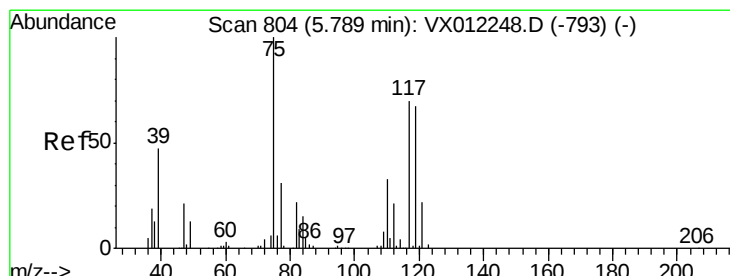
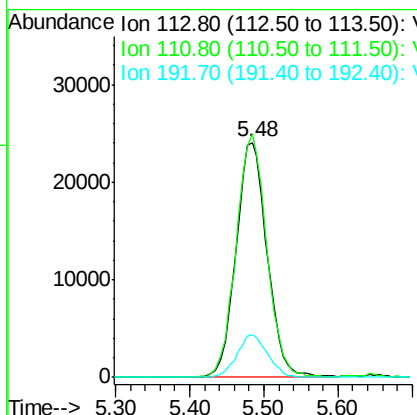
#35
Dibromofluoromethane
Concen: 45.050 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tot Ion	Ratio	Resp	Lower	Upper
113	100	70518		
111	102.0	83.0	124.6	
192	17.8	14.3	21.5	

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

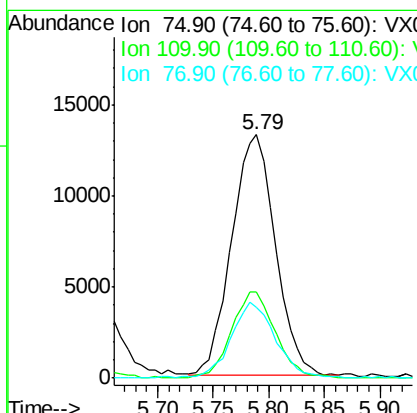
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 20.132 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35846		
110	36.3	16.8	50.4	
77	32.1	24.5	36.7	





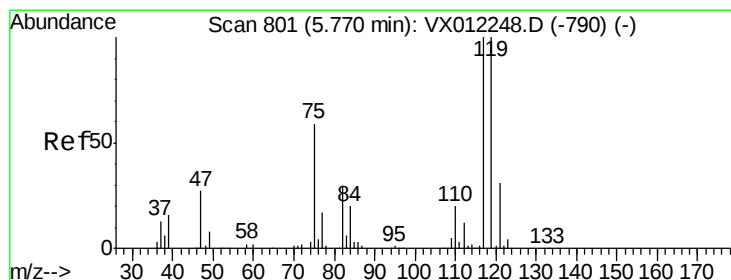
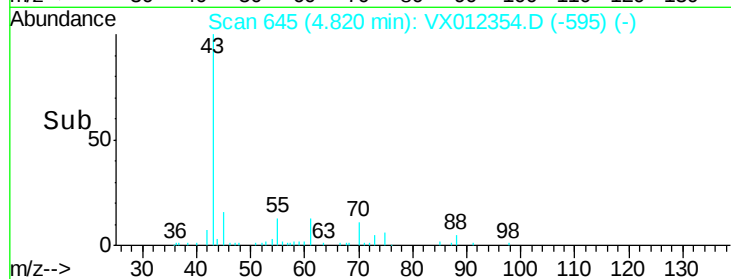
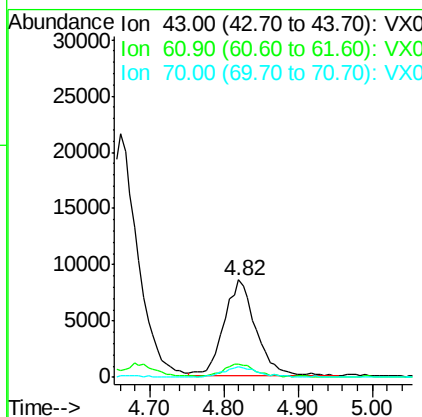
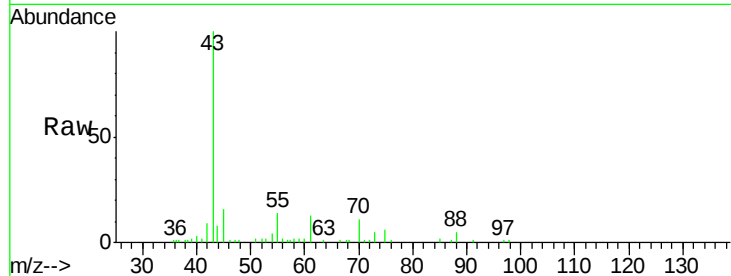
#37
Ethyl Acetate
Concen: 23.211 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	12.3	9.1	13.7

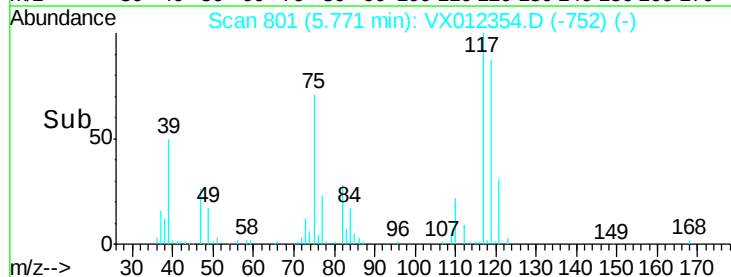
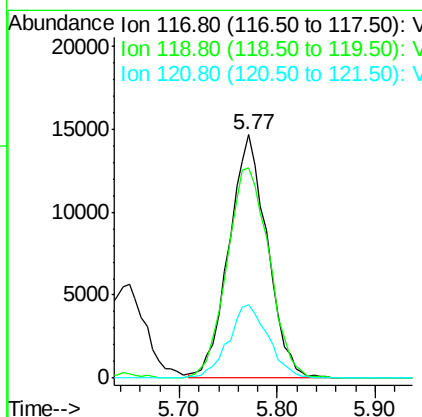
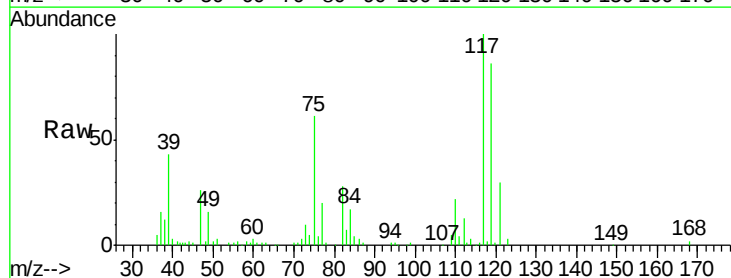
Manual Integrations
APPROVED

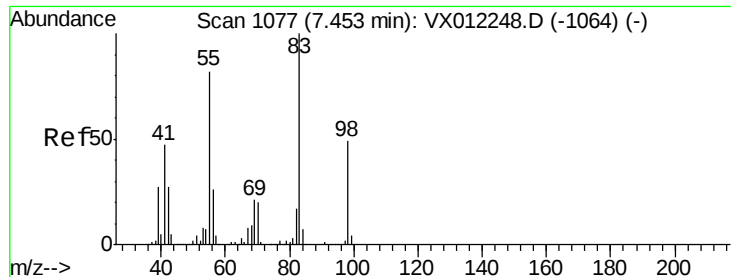
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#38
Carbon Tetrachloride
Concen: 19.017 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.4	79.6	119.4
121	30.2	24.7	37.1





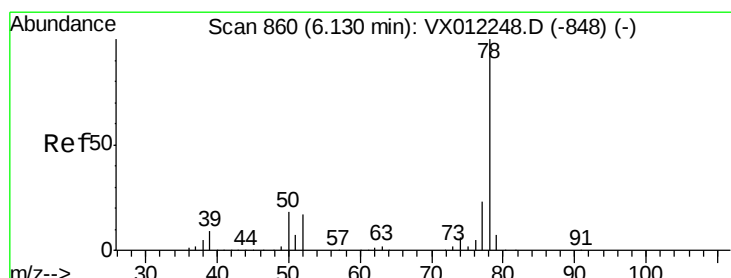
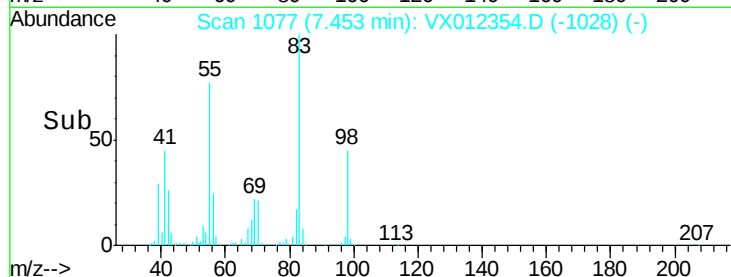
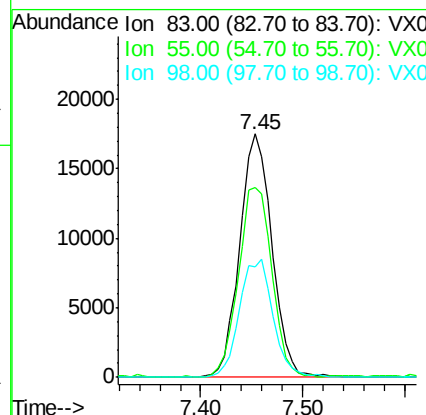
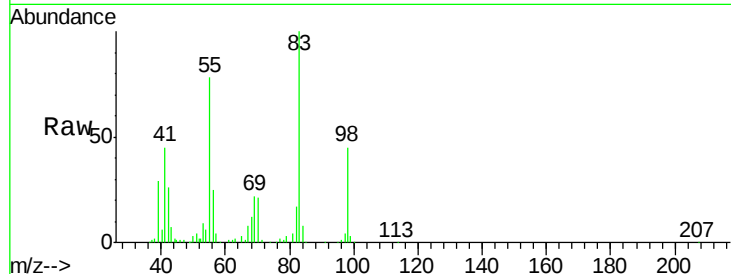
#39
Methvlcvclohexane
Concen: 19.716 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	83	Resp	38525
Ion Ratio	100	Lower	Upper
83	100		
55	77.4	65.4	98.2
98	45.4	39.6	59.4

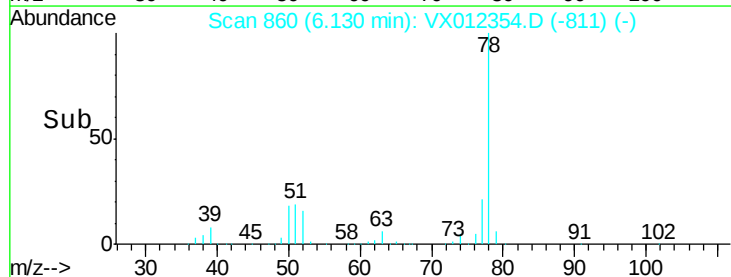
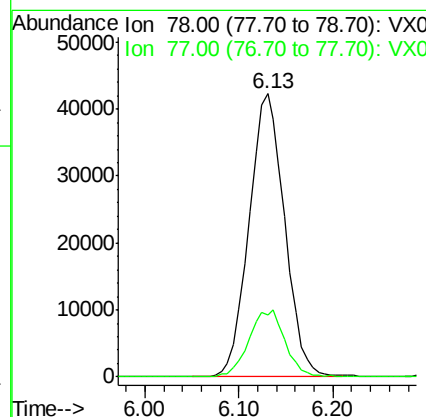
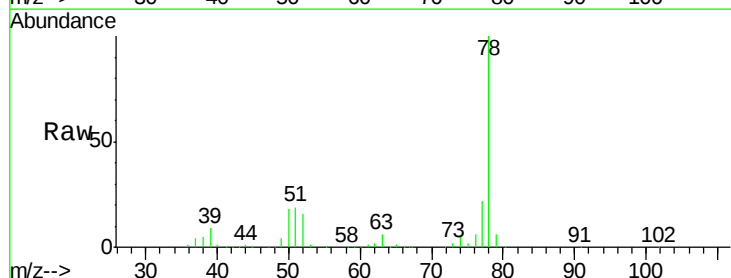
Manual Integrations
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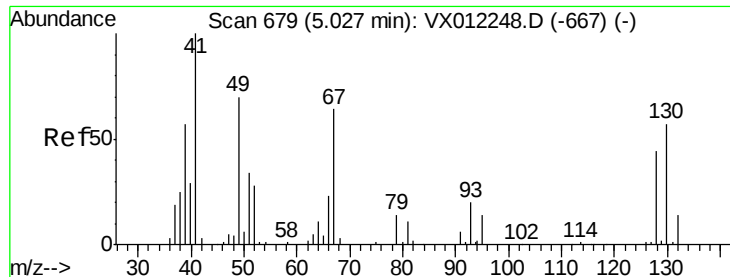
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#40
Benzene
Concen: 20.826 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	78	Resp	112228
Ion Ratio	100	Lower	Upper
78	100		
77	21.9	18.0	27.0





#41

Methacrylonitrile

Concen: 21.902 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBSD02

Tot Ion: 41 Resp: 14861

Ion Ratio Lower Upper

41 100

39 54.1 49.0 73.4

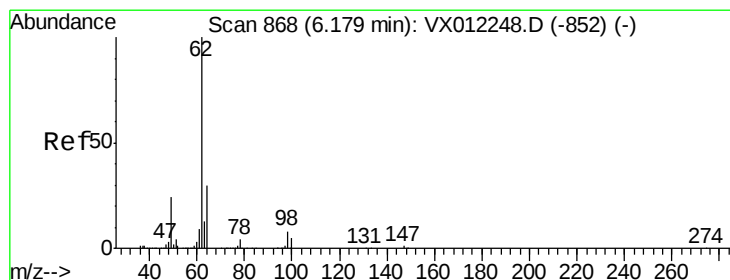
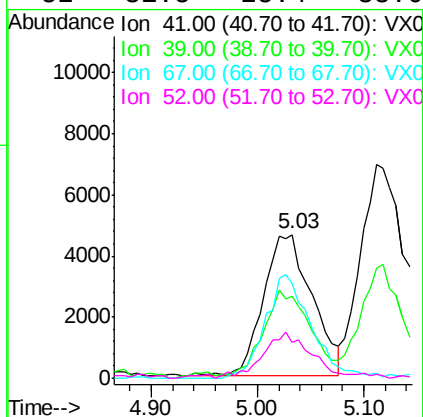
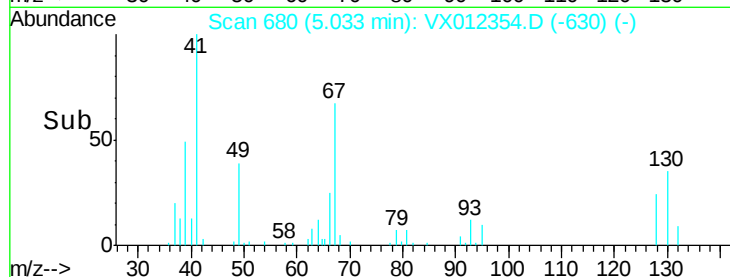
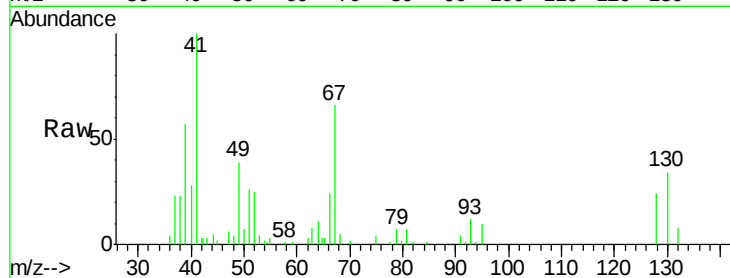
67 68.7 55.0 82.4

52 31.5 25.4 38.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.104 ug/l

RT: 6.18 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX012354.D

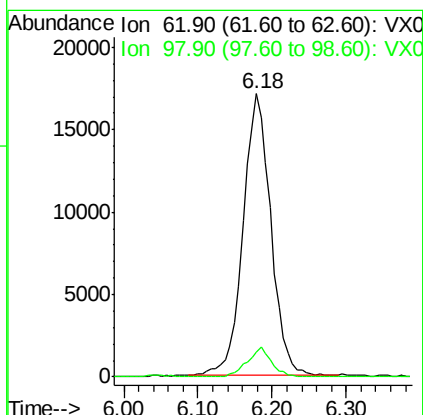
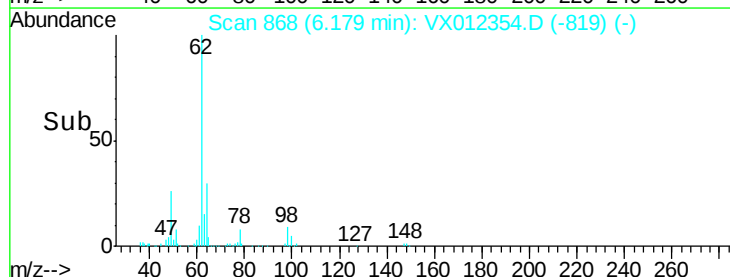
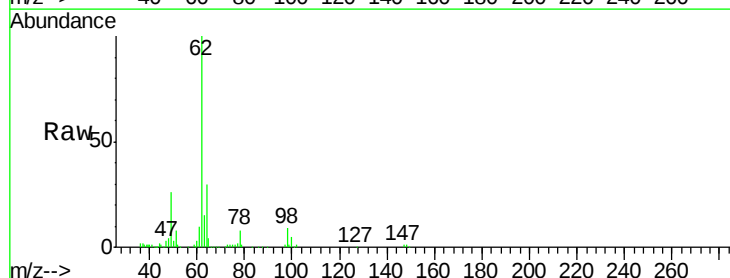
Acq: 12 Sep 2019 18:23

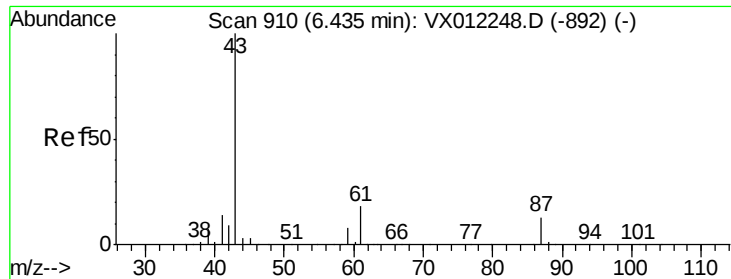
Tgt Ion: 62 Resp: 44949

Ion Ratio Lower Upper

62 100

98 9.1 0.0 17.2





#43

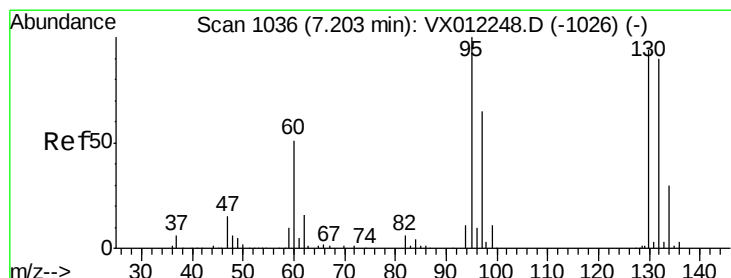
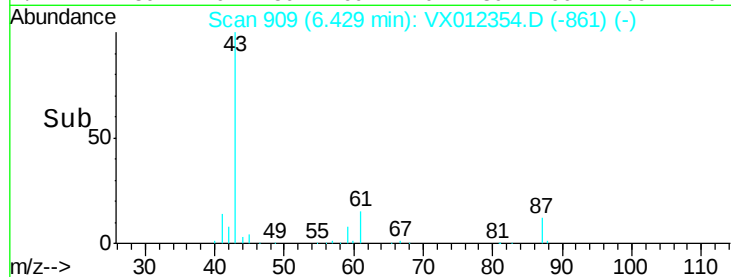
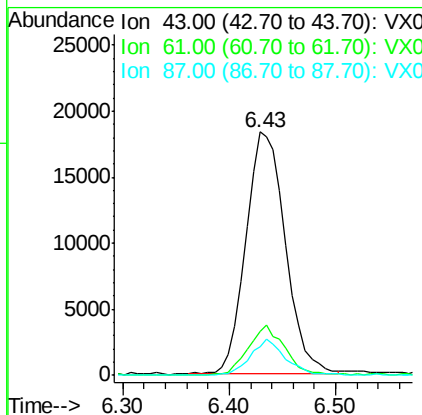
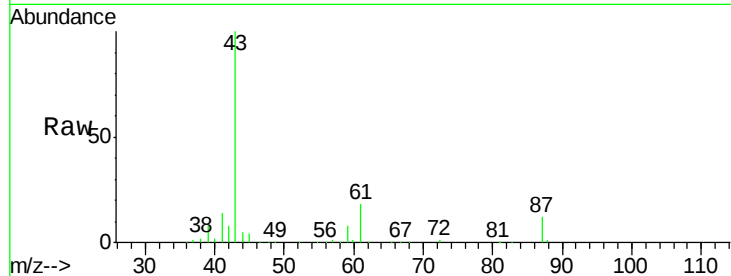
Isopropyl Acetate
 Concen: 20.644 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.2
87	13.3	10.5	15.7

Manual Integrations
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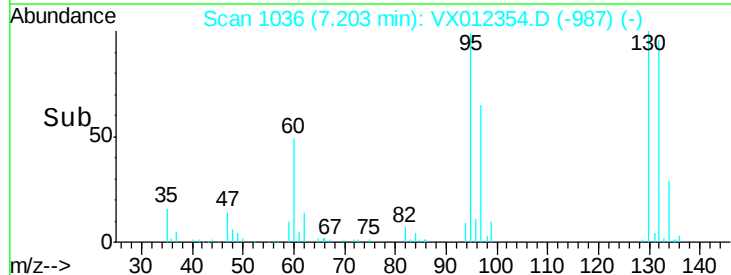
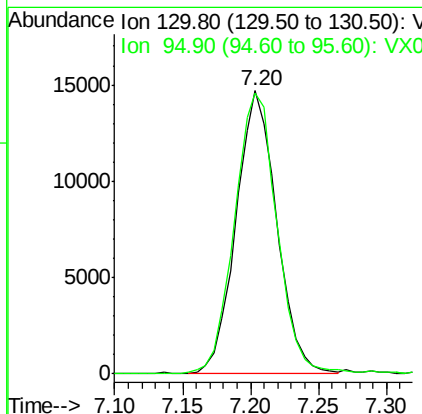
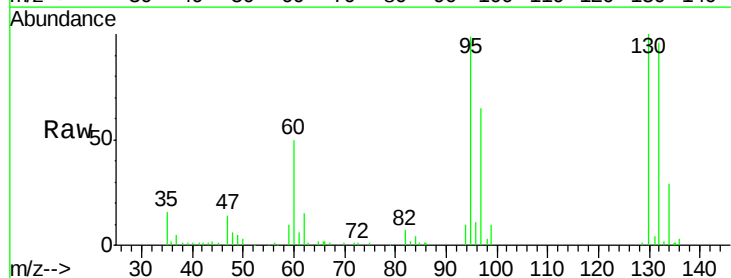
MMDadoda
 9/13/2019 10:11:58 AM

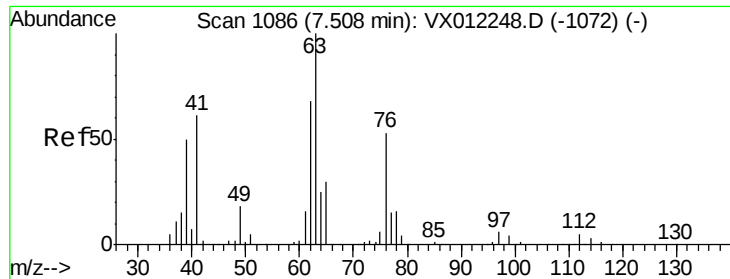


#44

Trichloroethene
 Concen: 21.043 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	212.0





#45

1,2-Dichloropropane

Concen: 21.401 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 63 Resp: 31923

Ion Ratio Lower Upper

63 100

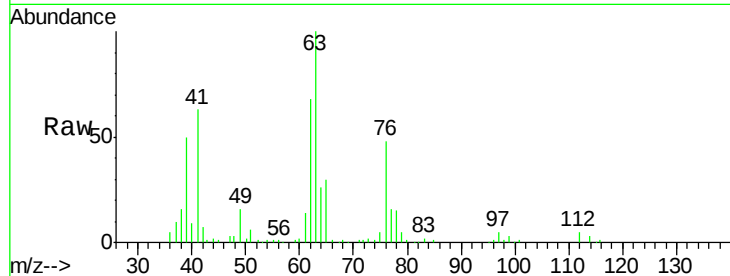
65 29.3 24.3 36.5

Manual Integrations

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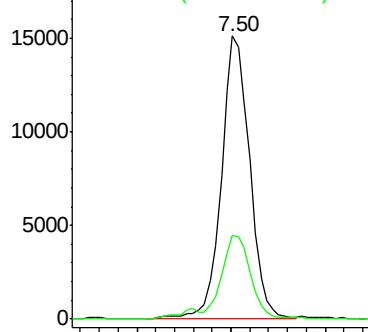
MMDadoda

9/13/2019 10:11:58 AM

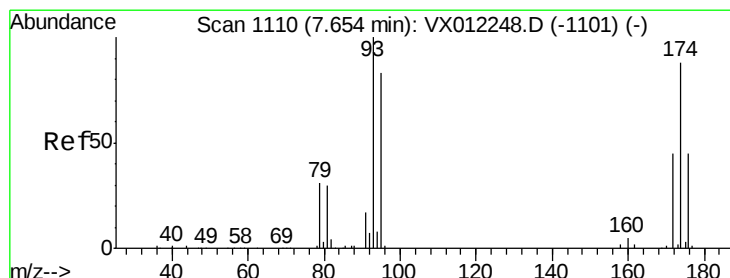
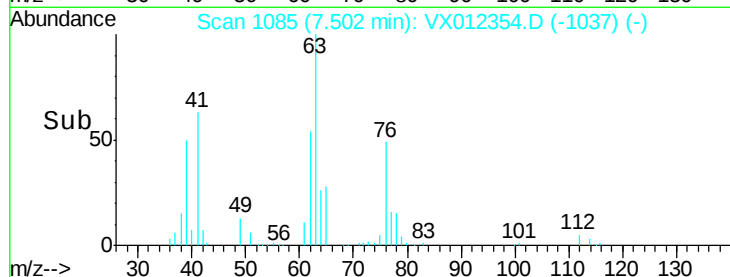


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



Time-->



#46

Dibromomethane

Concen: 21.939 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

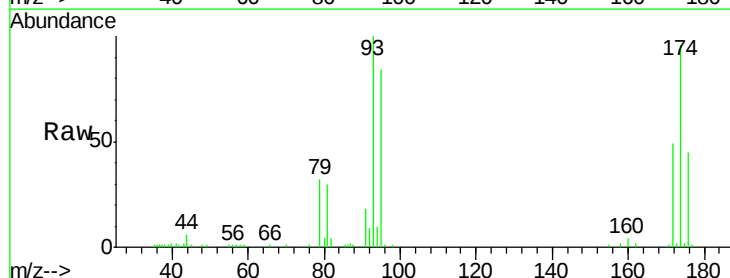
Tgt Ion: 93 Resp: 17885

Ion Ratio Lower Upper

93 100

95 82.9 65.7 98.5

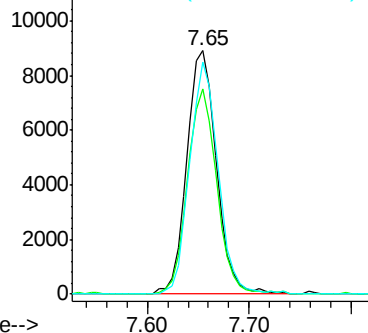
174 91.1 71.0 106.4



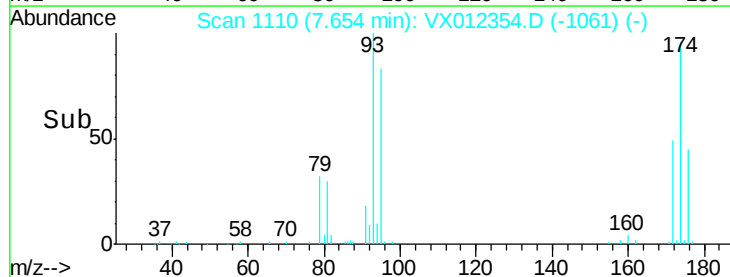
Abundance Ion 92.80 (92.50 to 93.50): VX0

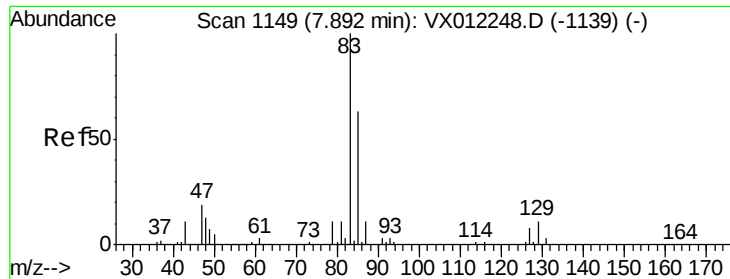
Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 19.965 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

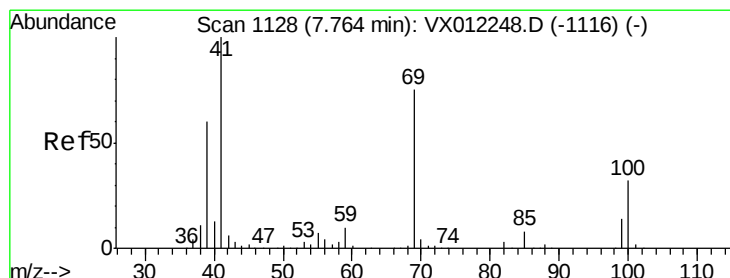
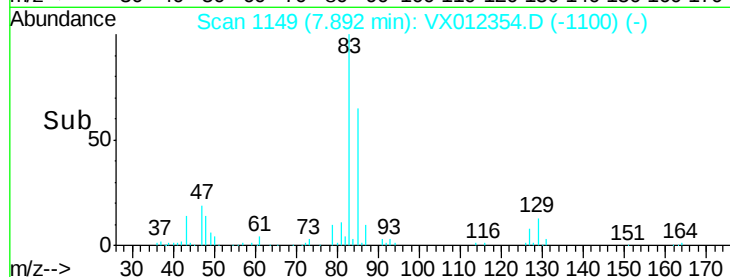
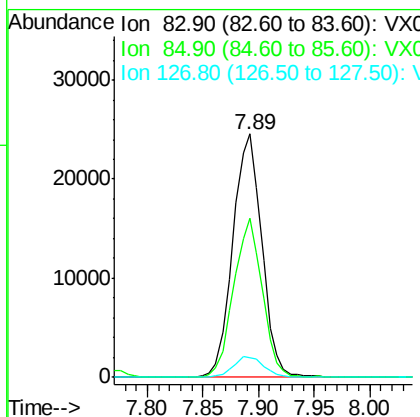
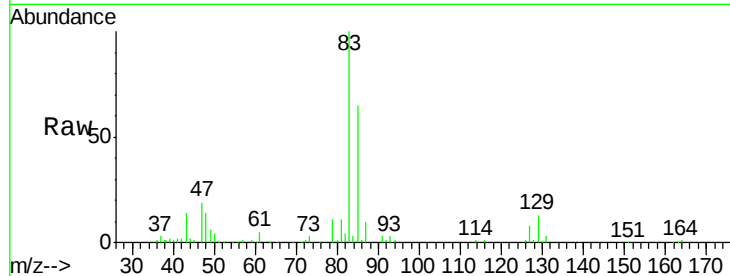
ClientSampleId :

VX0912SBS02

Tot Ion:	83	Resp:	44416
Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.2	75.4
127	8.3	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.702 ug/l

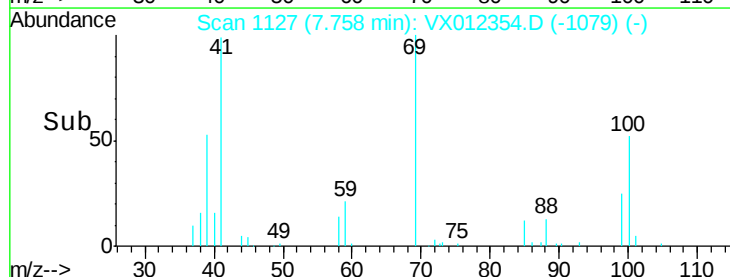
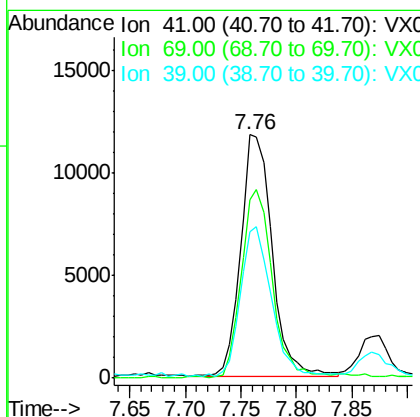
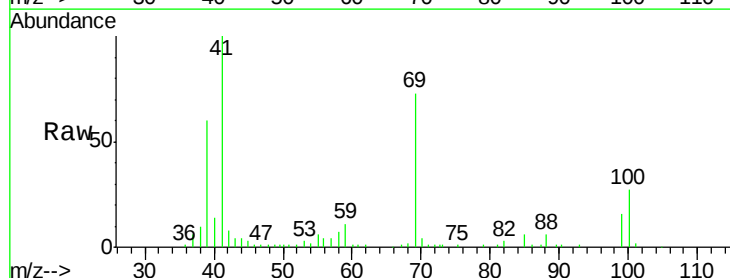
RT: 7.76 min Scan# 1127

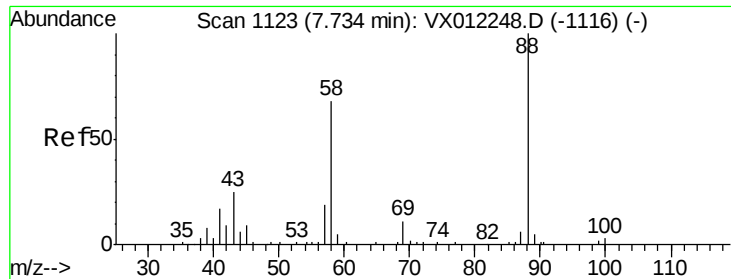
Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	41	Resp:	22994
Ion	Ratio	Lower	Upper
41	100		
69	77.5	61.8	92.6
39	61.3	48.6	73.0





#49

1,4-Dioxane

Concen: 390.847 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

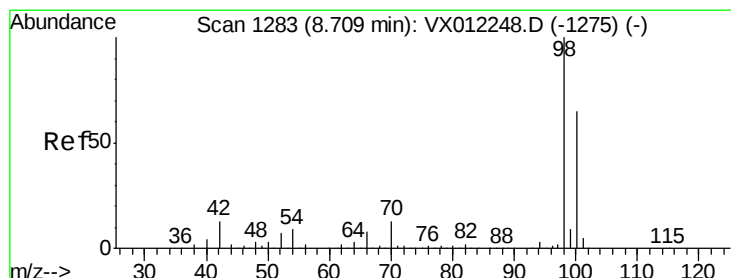
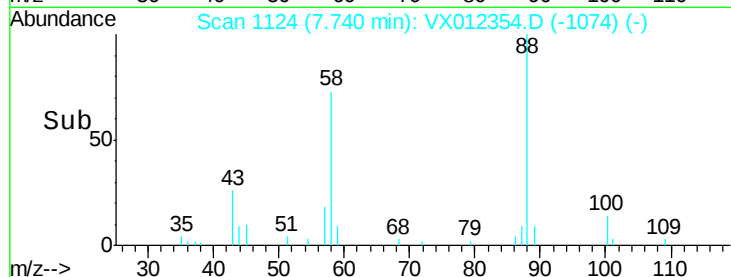
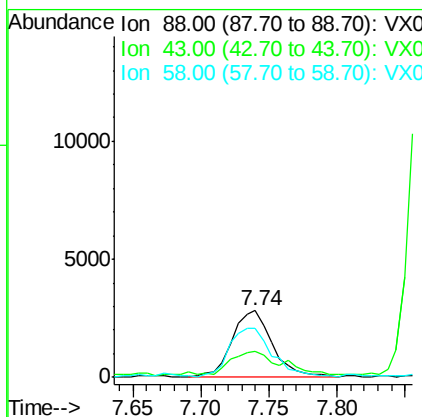
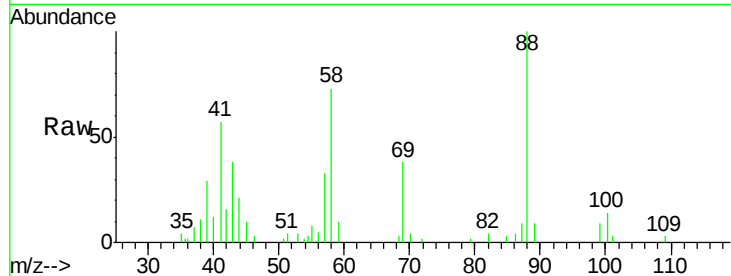
ClientSampleId :

VX0912SBS02

Tot Ion:	88	Resp:	5858
Ion	Ratio	Lower	Upper
88	100		
43	43.2	31.0	46.4
58	79.3	61.5	92.3

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#50

Toluene-d8

Concen: 48.019 ug/l

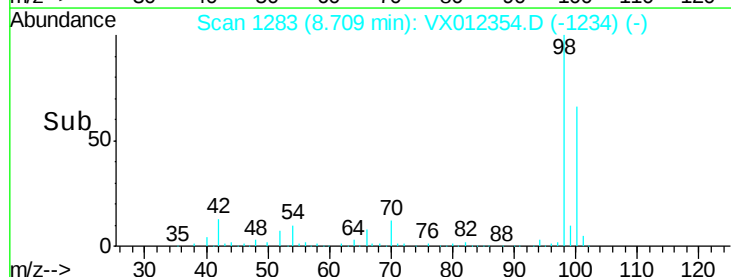
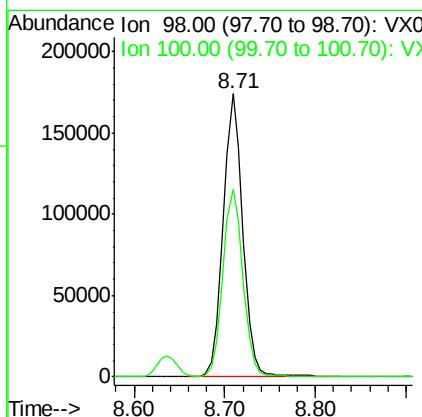
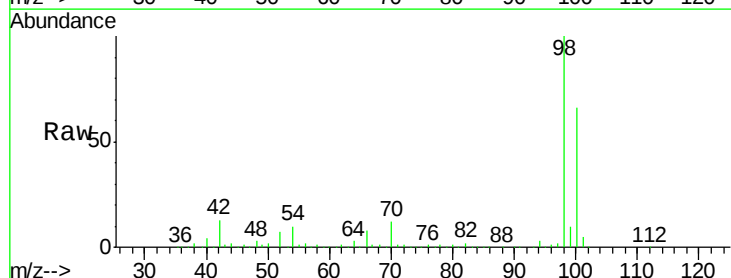
RT: 8.71 min Scan# 1283

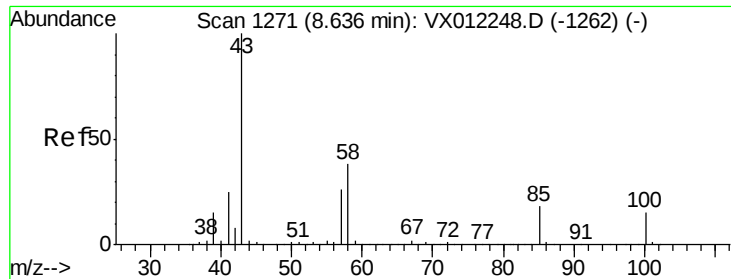
Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	98	Resp:	263631
Ion	Ratio	Lower	Upper
98	100		
100	67.6	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 105.459 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 43 Resp: 129156

Ion Ratio Lower Upper

43 100

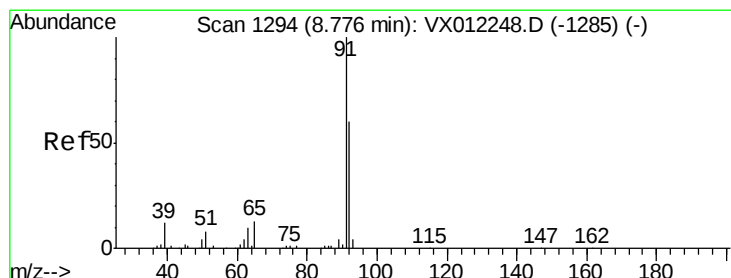
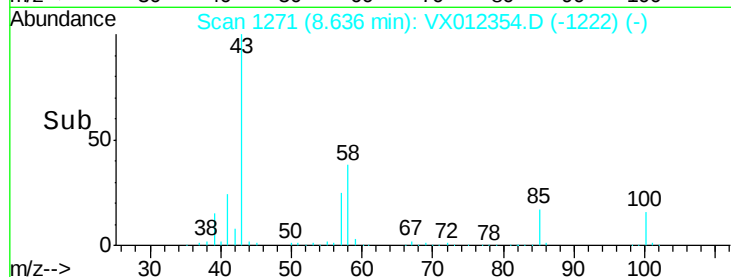
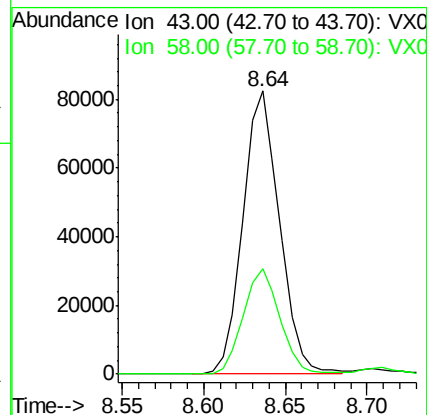
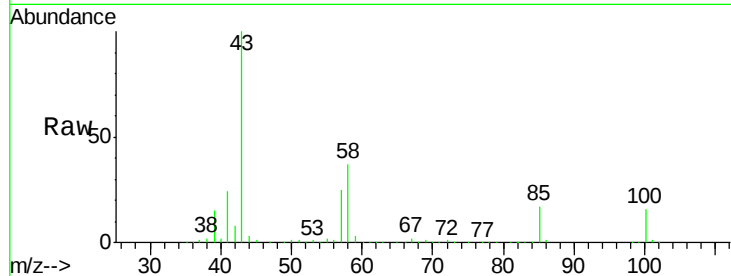
58 37.3 30.1 45.1

Manual Integrations

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#52

Toluene

Concen: 20.971 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012354.D

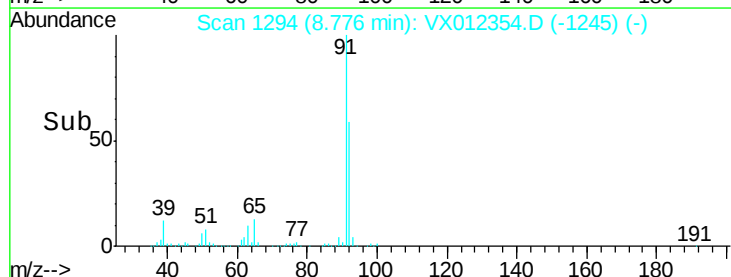
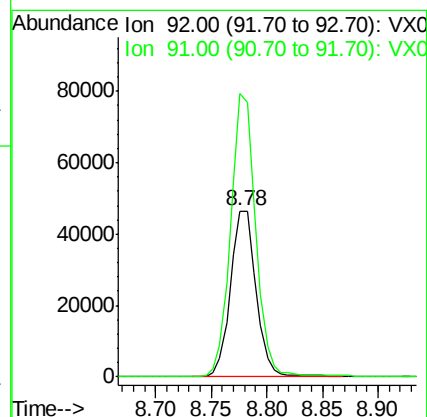
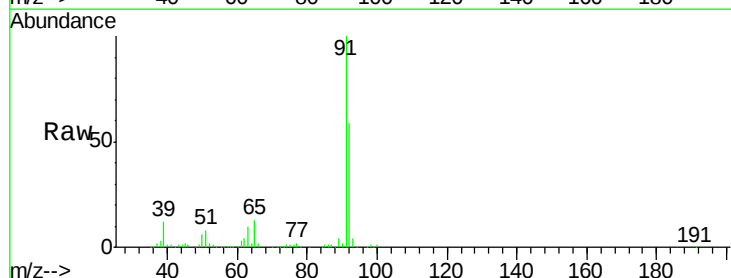
Acq: 12 Sep 2019 18:23

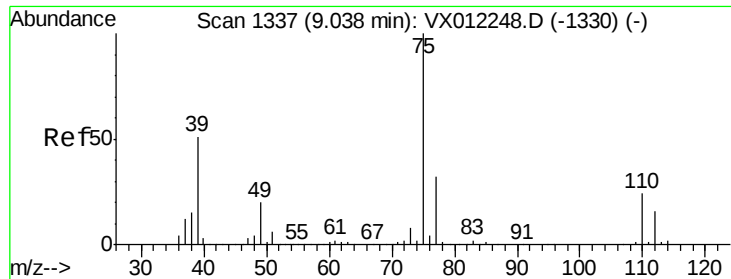
Tgt Ion: 92 Resp: 74646

Ion Ratio Lower Upper

92 100

91 166.2 133.6 200.4





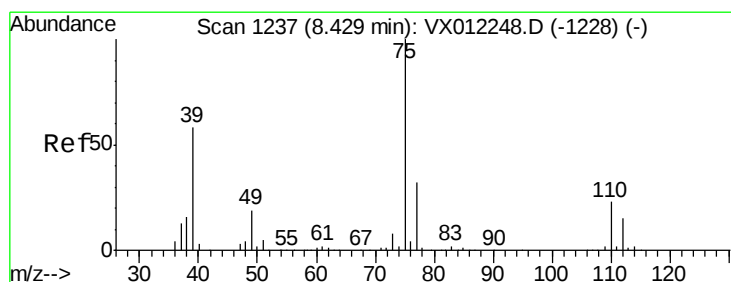
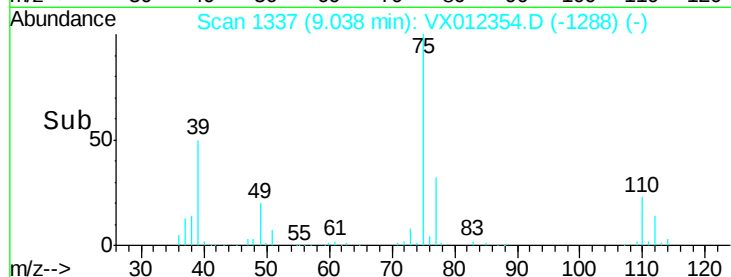
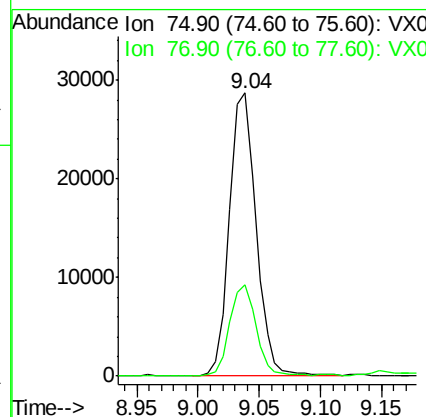
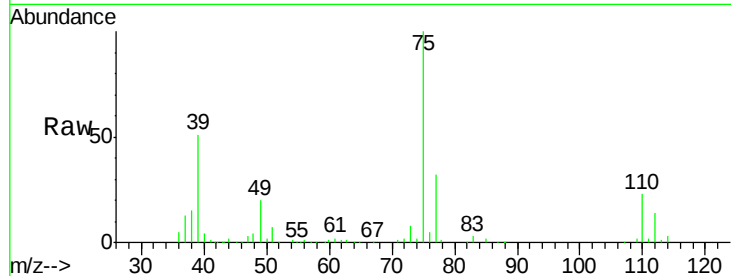
#53
t-1,3-Dichloropropene
Concen: 19.673 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion: 75 Resp: 43685
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

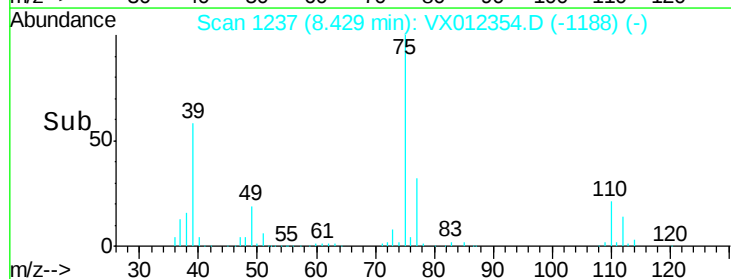
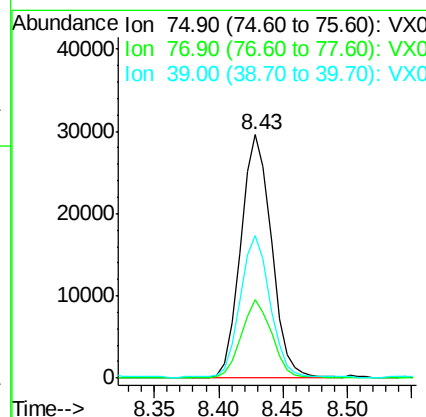
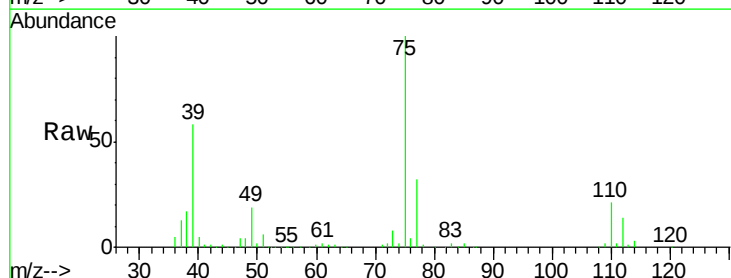
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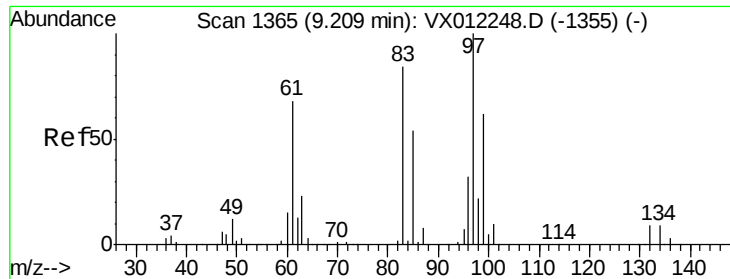
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#54
cis-1,3-Dichloropropene
Concen: 19.923 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 75 Resp: 49057
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2
39 57.7 46.5 69.7





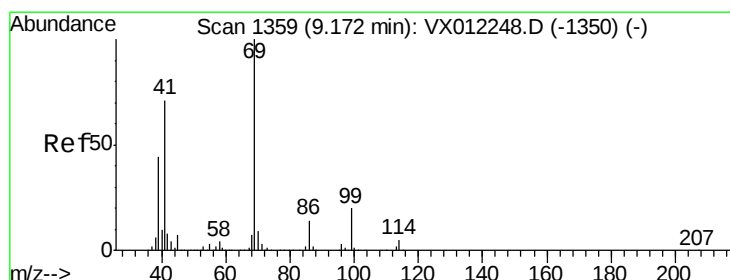
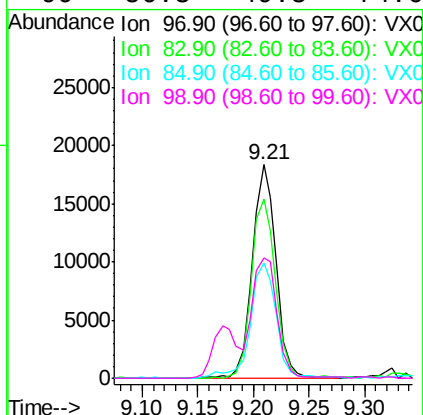
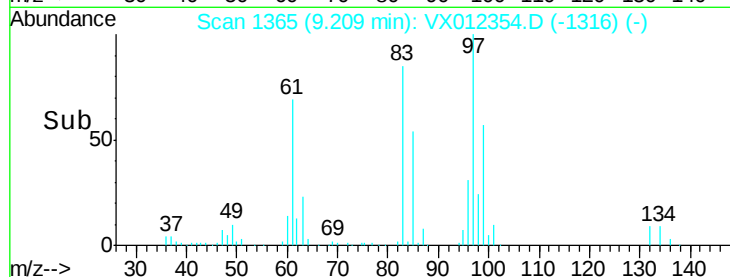
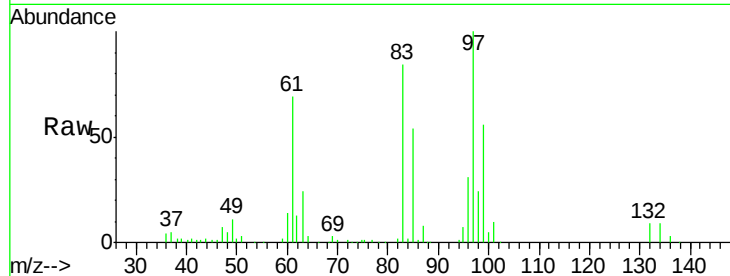
#55
 1,1,2-Trichloroethane
 Concen: 21.538 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion:	97	Resp:	27202
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.4	101.2
85	53.7	43.4	65.2
99	56.3	49.8	74.6

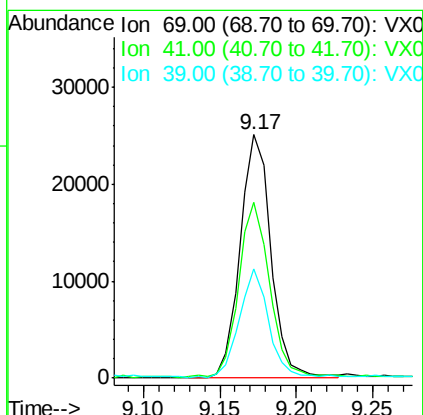
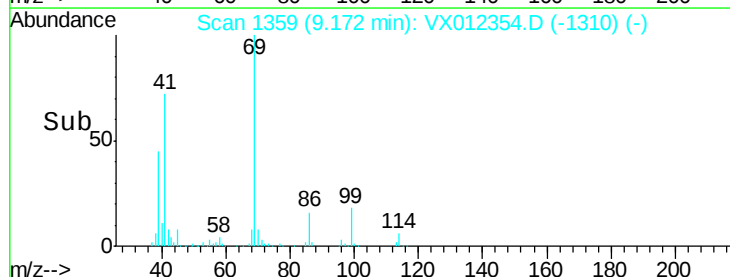
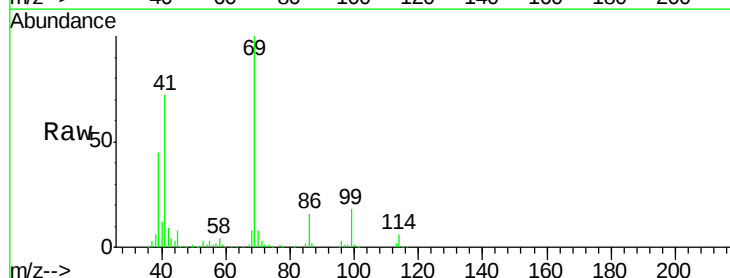
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#56
 Ethyl methacrylate
 Concen: 20.586 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion:	69	Resp:	35204
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.7	86.5
39	42.2	34.0	51.0





#57

1,3-Dichloropropane

Concen: 21.504 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 76 Resp: 46387

Ion Ratio Lower Upper

76 100

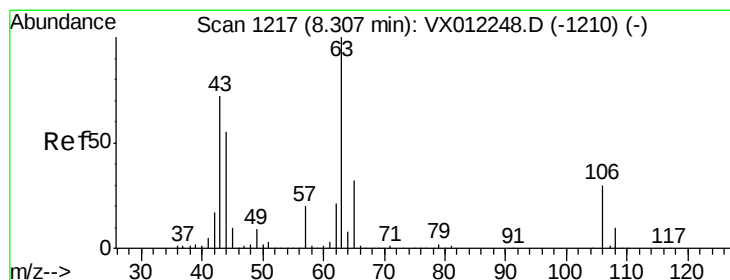
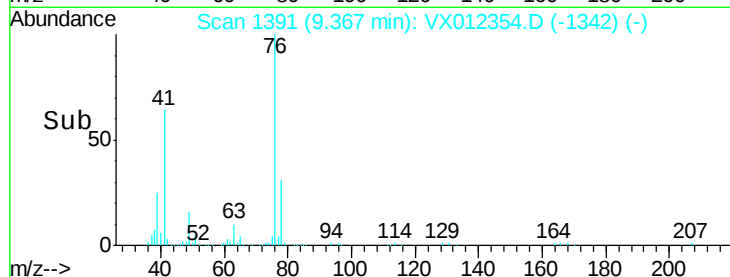
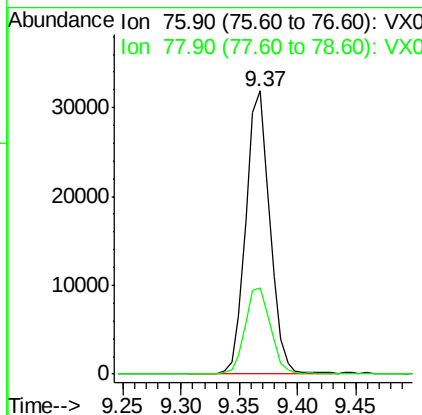
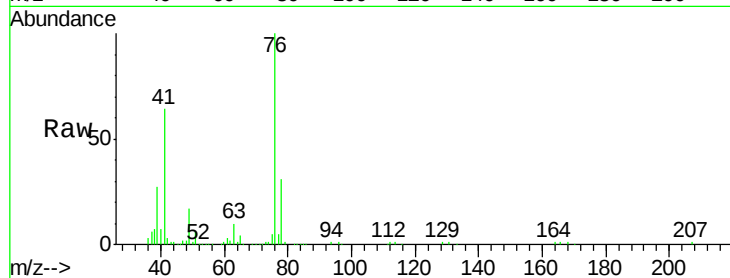
78 32.3 26.0 39.0

Manual Integrations

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9/13/2019 10:11:58 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.118 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX012354.D

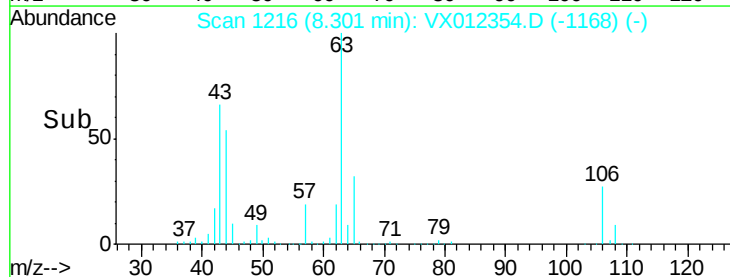
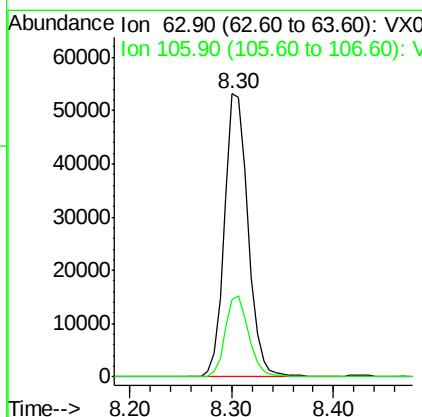
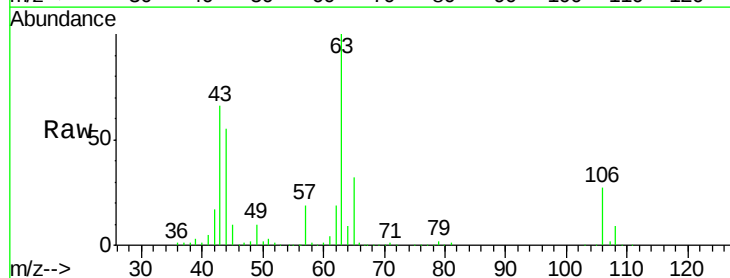
Acq: 12 Sep 2019 18:23

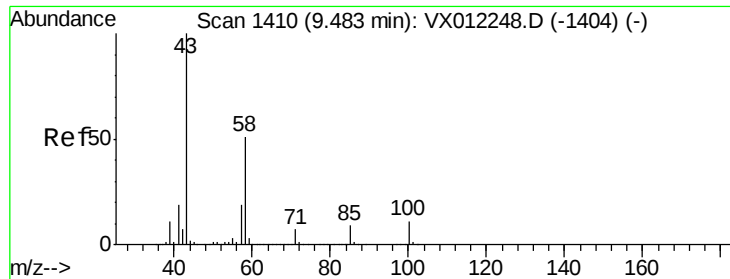
Tgt Ion: 63 Resp: 84244

Ion Ratio Lower Upper

63 100

106 28.9 23.4 35.2





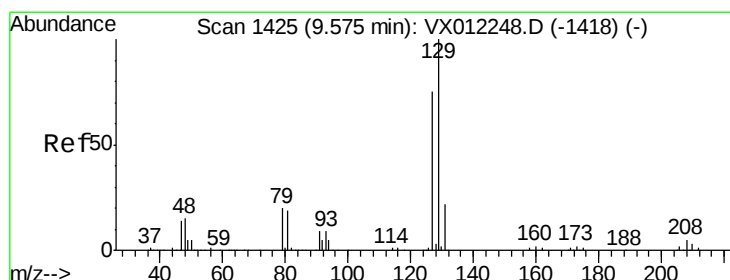
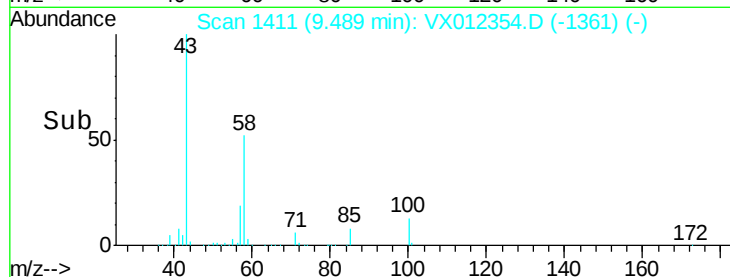
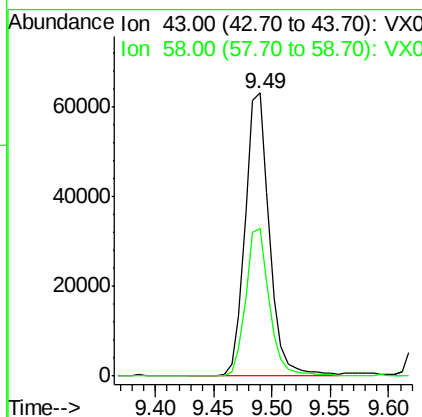
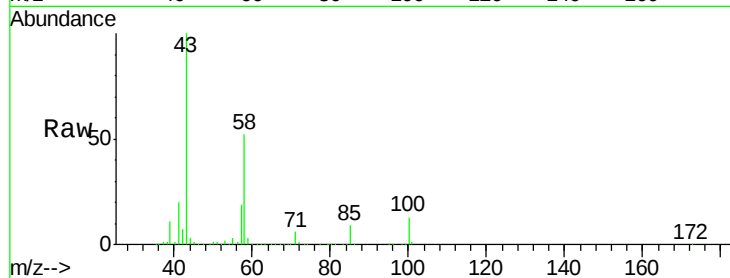
#59
2-Hexanone
Concen: 107.296 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion: 43 Resp: 91368
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3

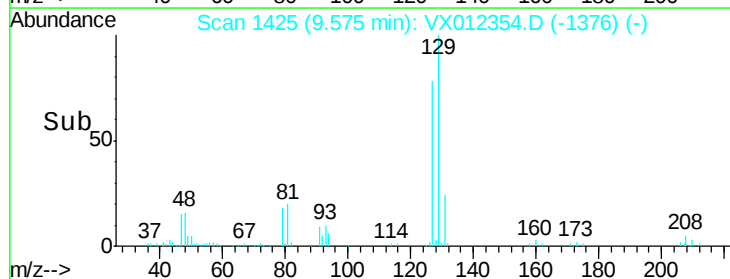
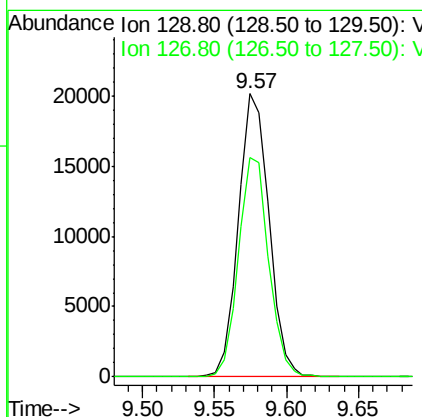
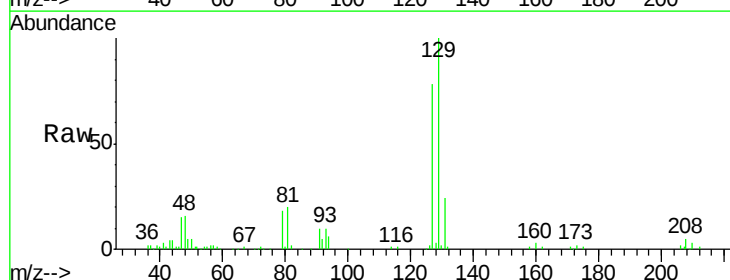
Manual Integrations
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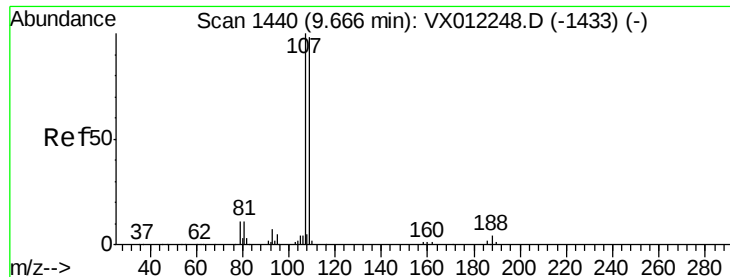
MMDadoda
9/13/2019 10:11:58 AM



#60
Dibromochloromethane
Concen: 20.167 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 129 Resp: 29735
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.667 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion:107 Resp: 25473

Ion Ratio Lower Upper

107 100

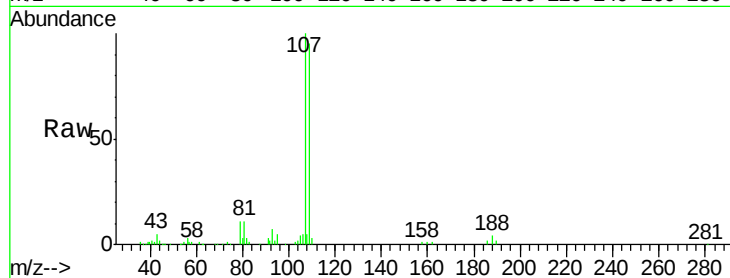
109 94.2 76.3 114.5

Manual Integrations

APPROVED

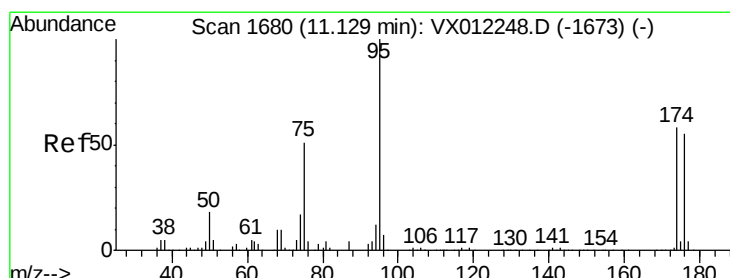
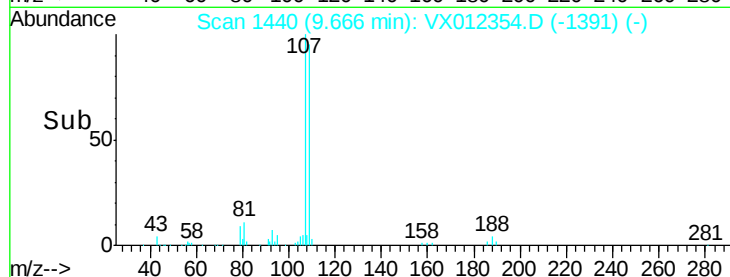
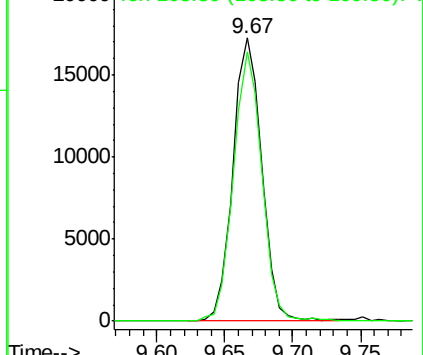
MMDadoda

9/13/2019 10:11:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.283 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

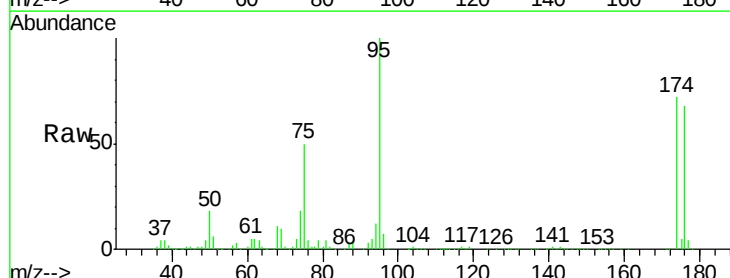
Tgt Ion: 95 Resp: 112711

Ion Ratio Lower Upper

95 100

174 68.9 0.0 127.0

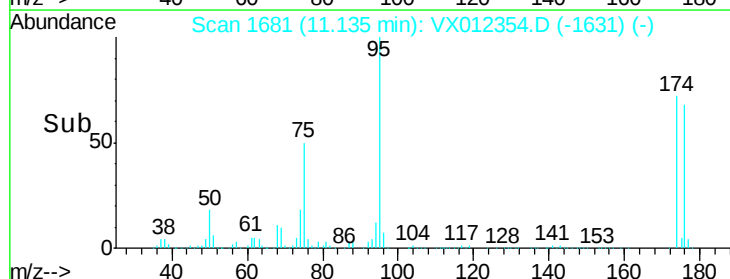
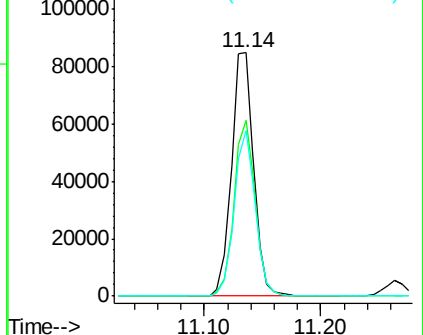
176 64.5 0.0 125.8

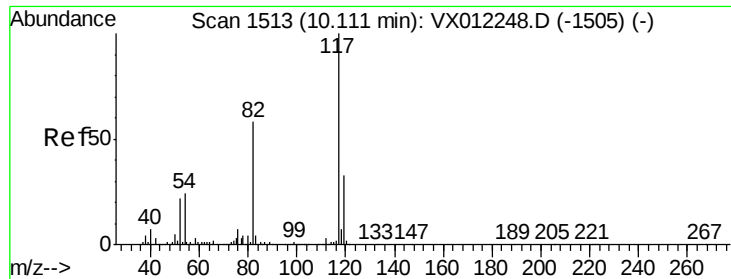


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





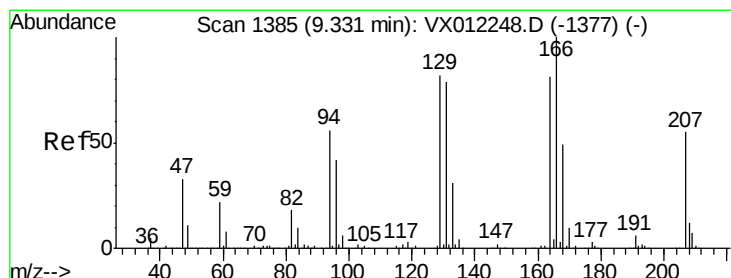
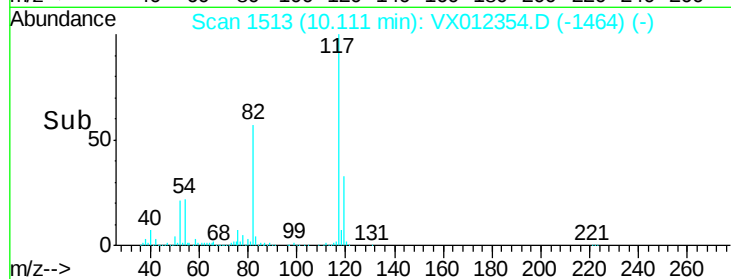
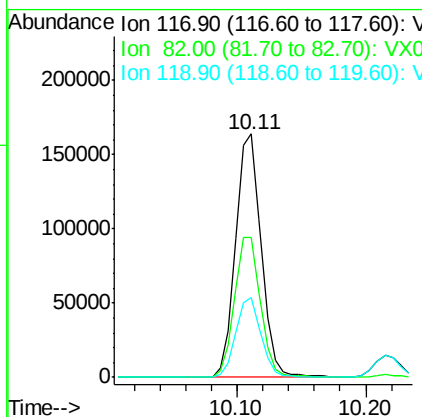
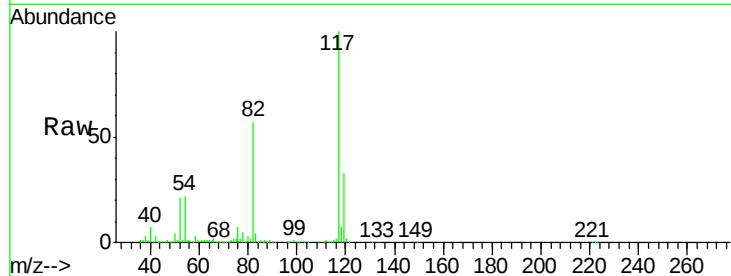
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	227642		
82	57.5	46.4	69.6	
119	32.5	26.6	39.8	

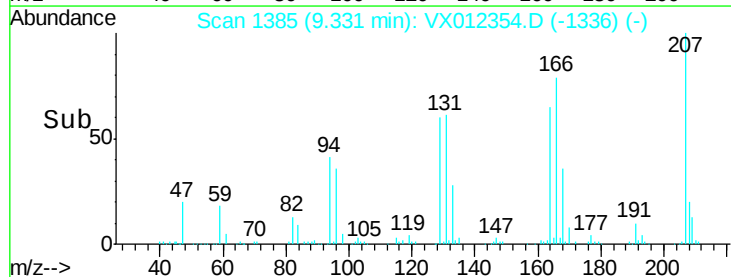
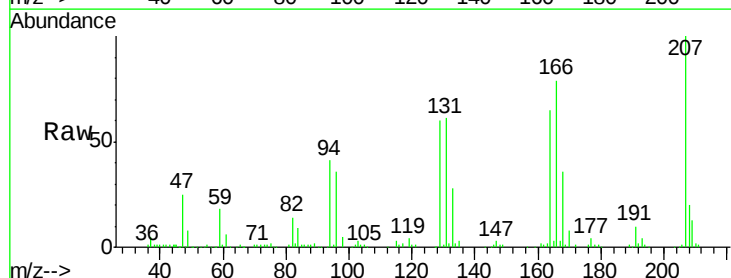
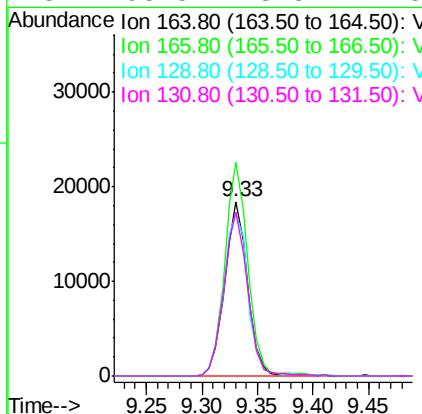
Manual Integrations
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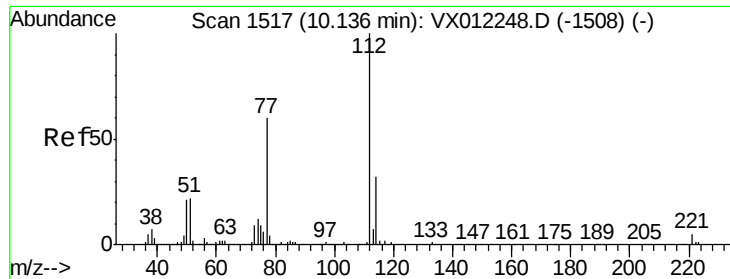
MMDadoda
9/13/2019 10:11:58 AM



#64
Tetrachloroethene
Concen: 21.828 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26279		
166	122.3	99.4	149.0	
129	93.1	81.8	122.8	
131	93.5	78.3	117.5	





#65

Chlorobenzene

Concen: 21.061 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion:112 Resp: 87601

Ion Ratio Lower Upper

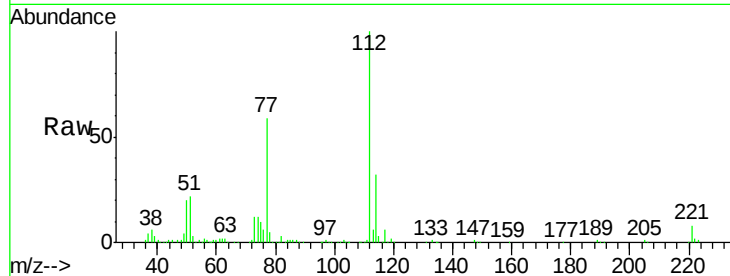
112 100

114 31.8 25.4 38.0

Manual Integrations
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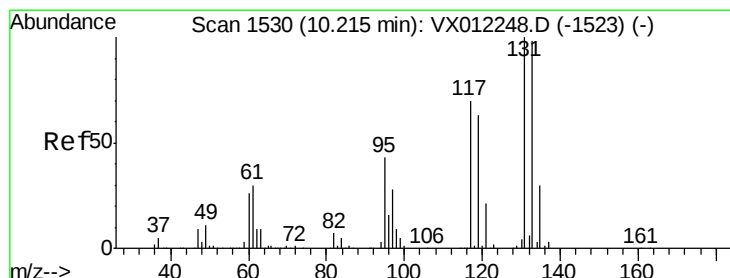
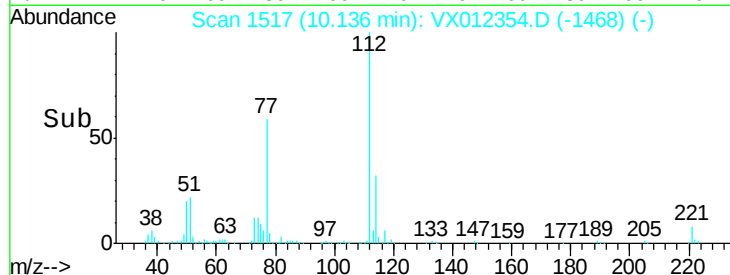
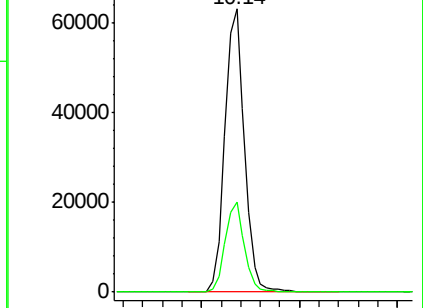
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.688 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

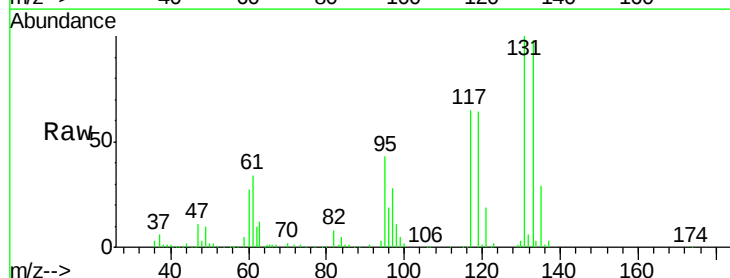
Tgt Ion:131 Resp: 32438

Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.2

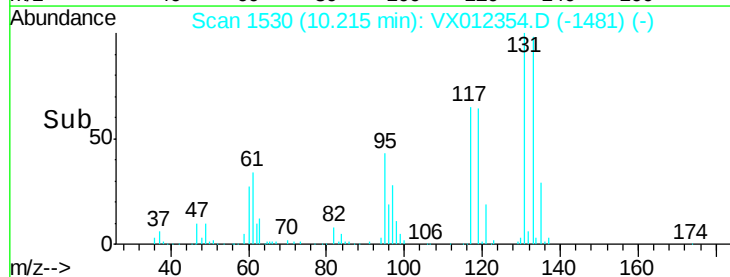
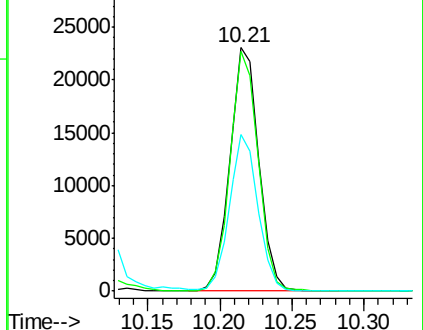
119 63.4 31.6 95.0

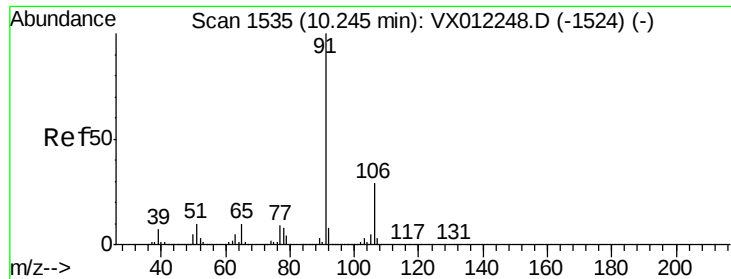


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





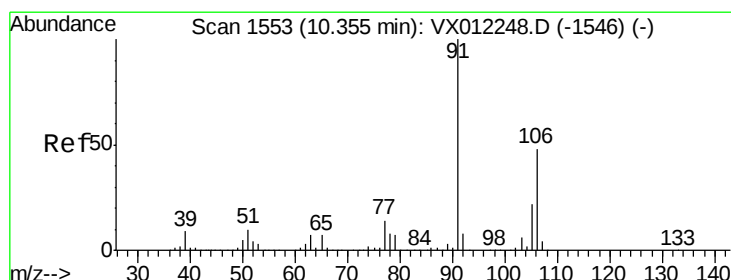
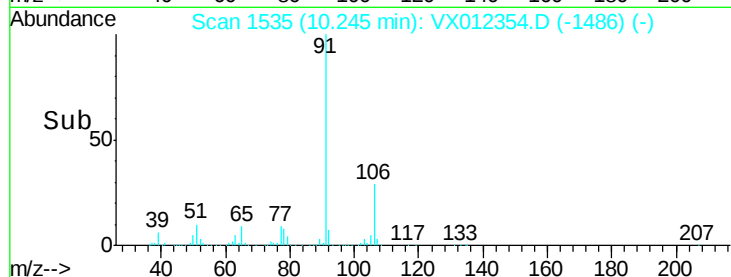
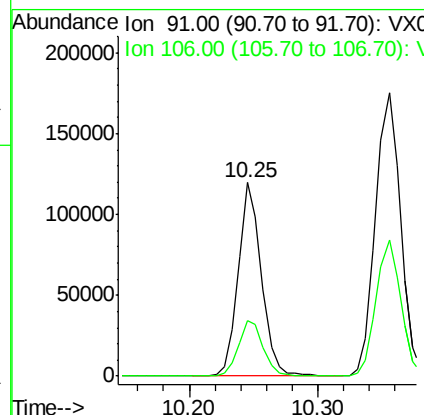
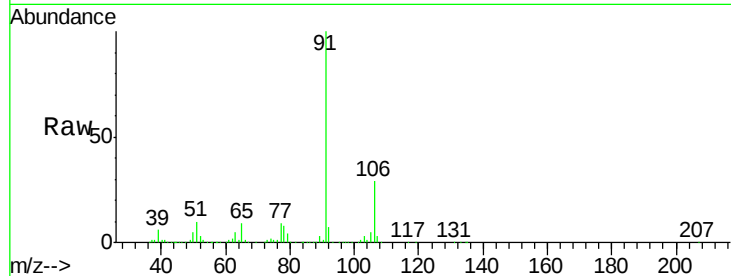
#67
Ethyl Benzene
Concen: 20.396 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion: 91 Resp: 150883
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7

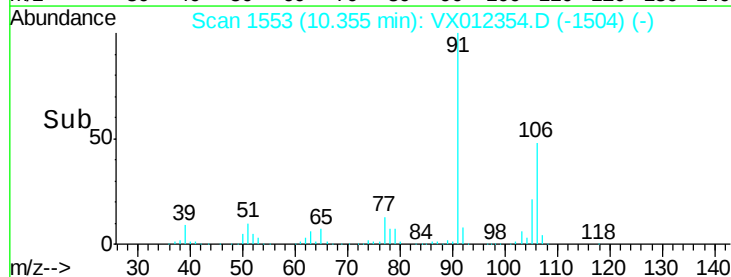
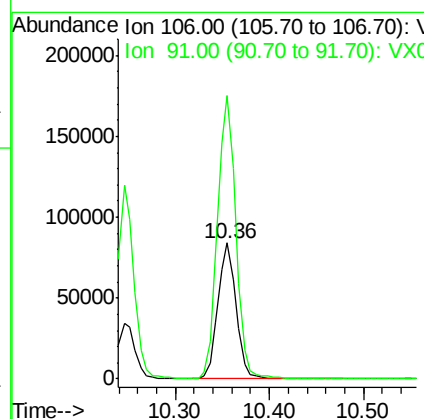
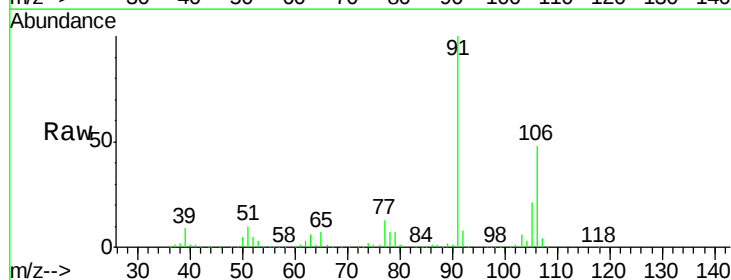
Manual Integrations
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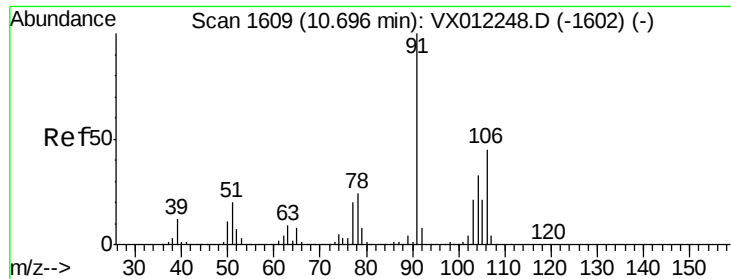
MMDadoda
9/13/2019 10:11:58 AM



#68
m/p-Xylenes
Concen: 41.363 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 106 Resp: 112640
Ion Ratio Lower Upper
106 100
91 210.5 167.0 250.6





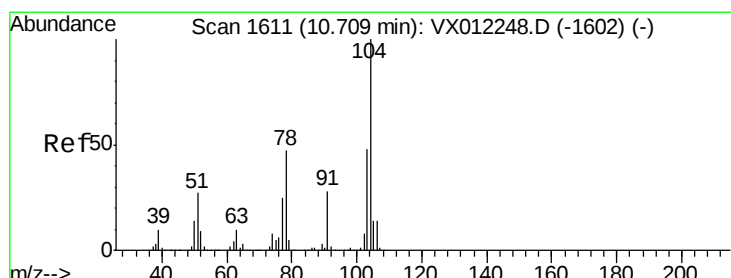
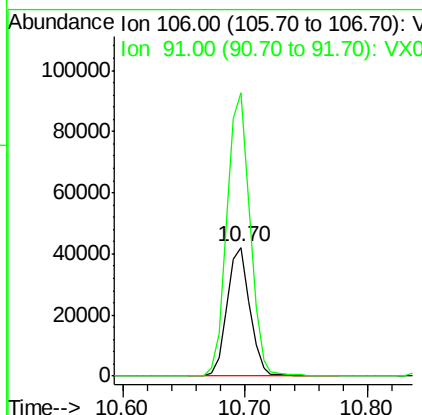
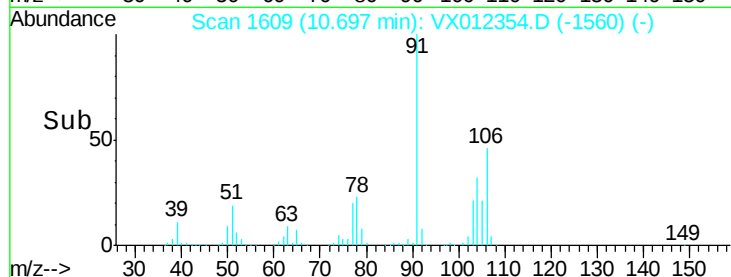
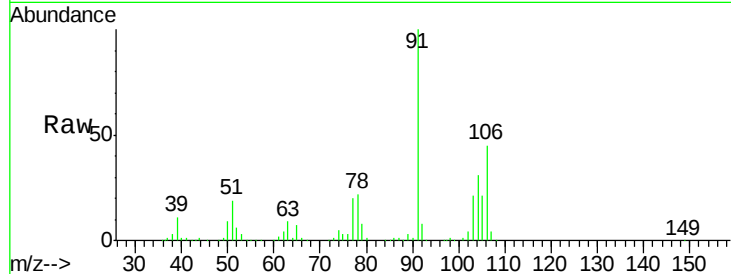
#69
o-Xylene
Concen: 20.371 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion:106 Resp: 54343
Ion Ratio Lower Upper
106 100
91 221.8 110.5 331.4

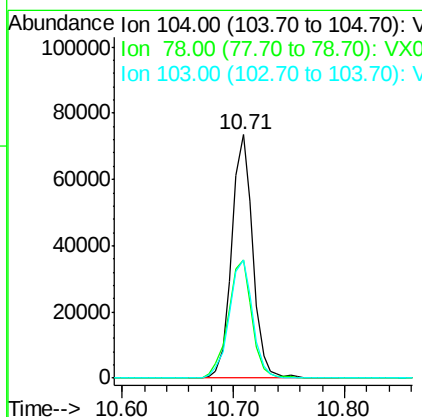
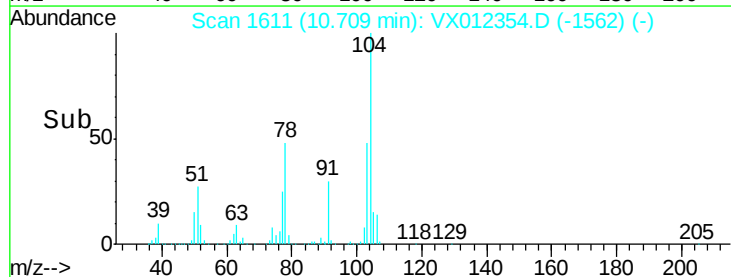
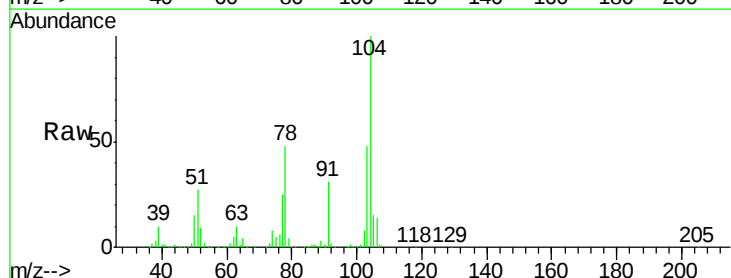
Manual Integrations
APPROVED

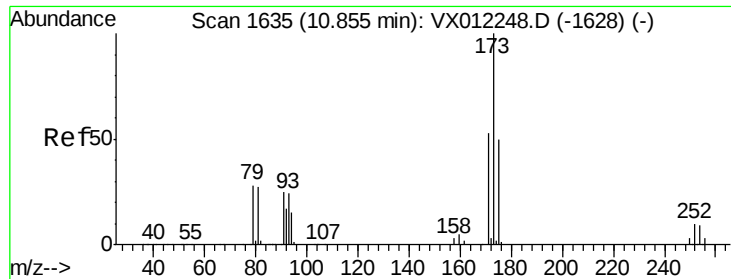
MMDadoda
9/13/2019 10:11:58 AM



#70
Styrene
Concen: 20.341 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion:104 Resp: 96239
Ion Ratio Lower Upper
104 100
78 54.9 44.2 66.2
103 54.4 42.5 63.7





#71

Bromoform

Concen: 19.491 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion:173 Resp: 15848

Ion Ratio Lower Upper

173 100

175 50.1 24.5 73.5

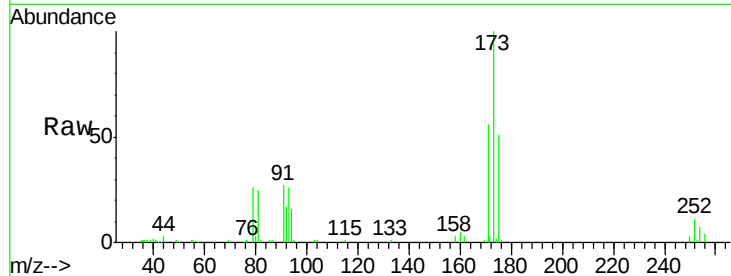
254 0.0 0.2 0.4#

Manual Integrations

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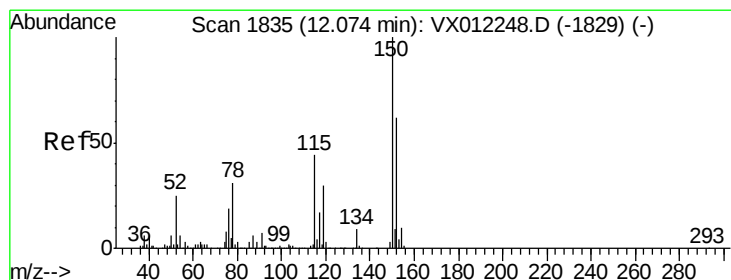
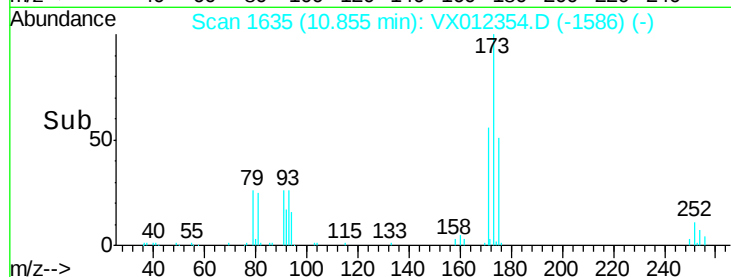
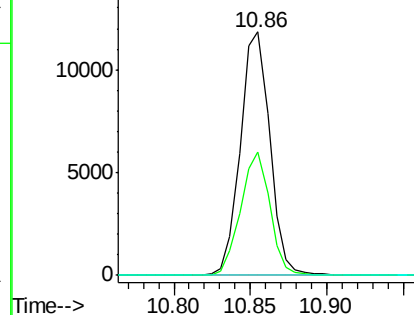
9/13/2019 10:11:58 AM



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: VX012354.D

Acq: 12 Sep 2019 18:23

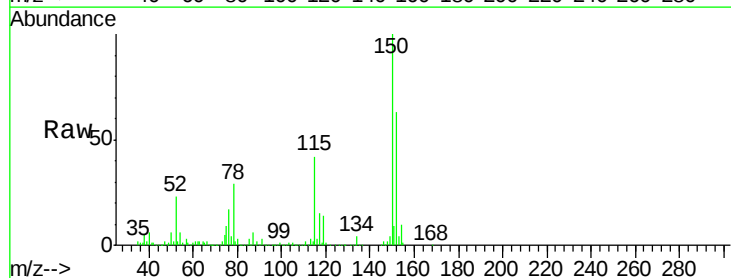
Tgt Ion:152 Resp: 116127

Ion Ratio Lower Upper

152 100

115 76.6 45.5 136.4

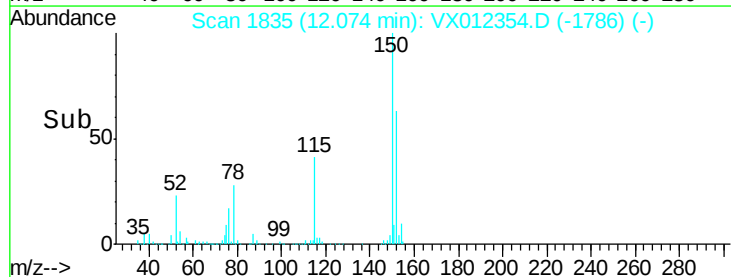
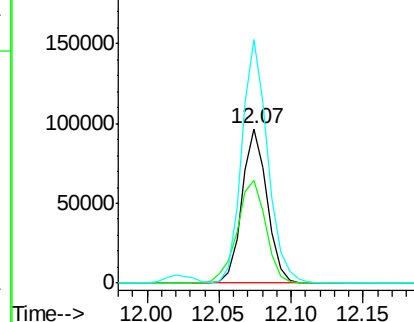
150 164.0 0.0 346.4

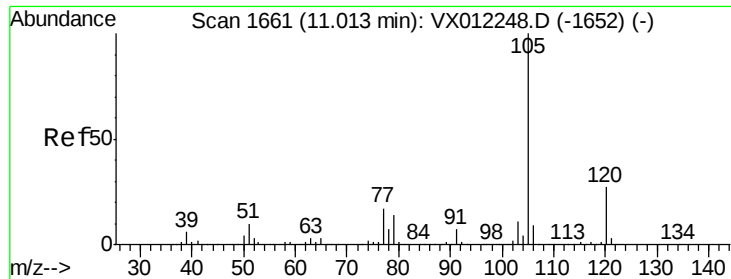


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.421 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 105 Resp: 148474

Ion Ratio Lower Upper

105 100

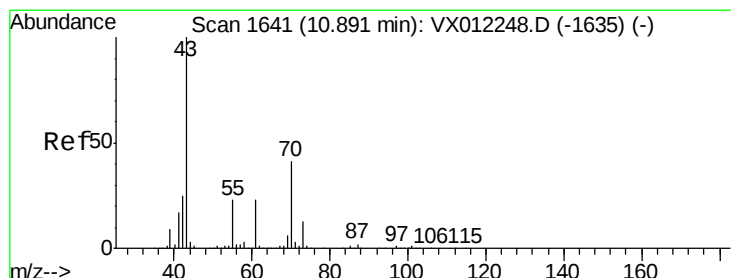
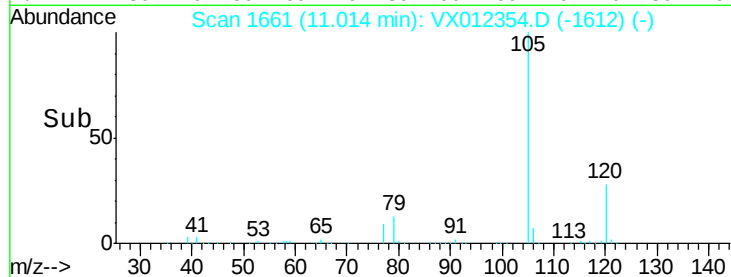
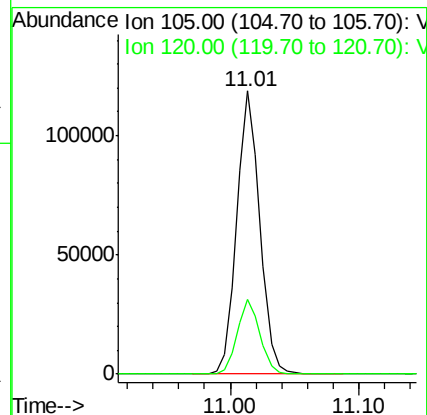
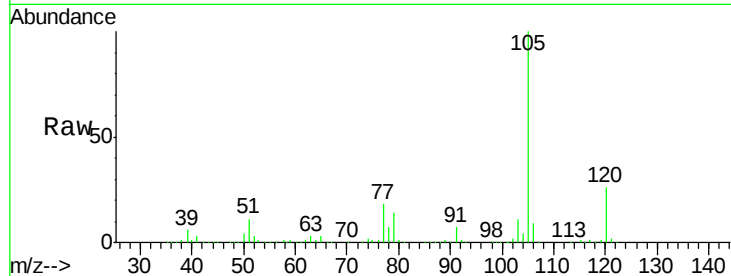
120 26.0 13.2 39.5

Manual Integrations

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9/13/2019 10:11:58 AM



#74

N-ethyl acetate

Concen: 19.300 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion: 43 Resp: 43872

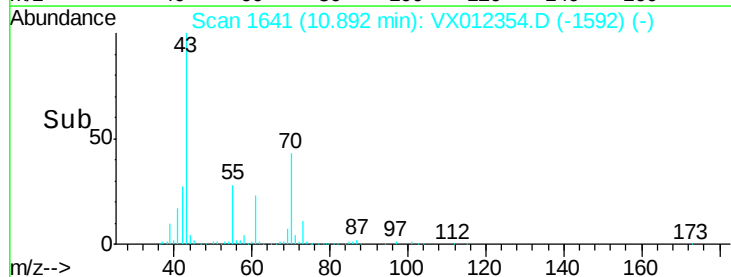
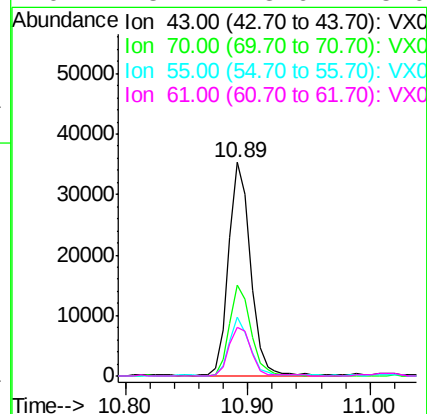
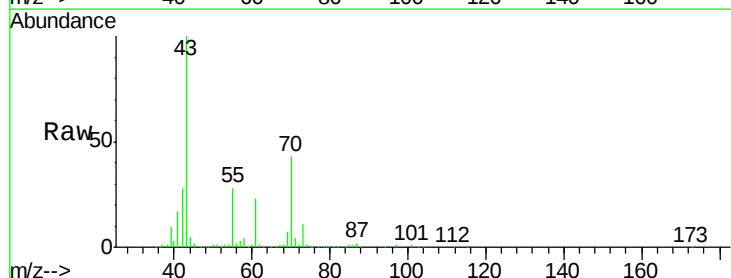
Ion Ratio Lower Upper

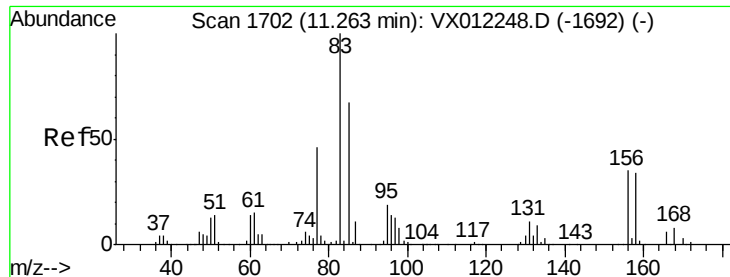
43 100

70 41.7 32.9 49.3

55 25.7 19.1 28.7

61 23.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.224 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

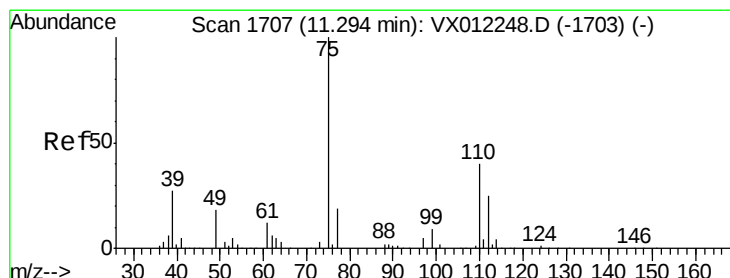
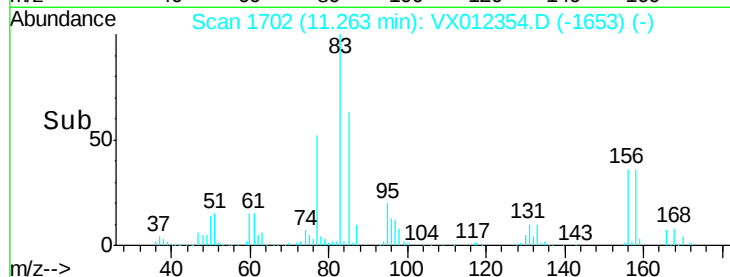
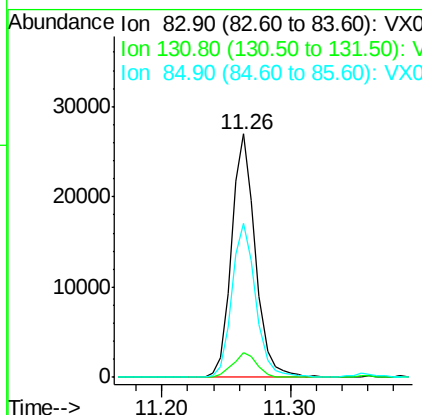
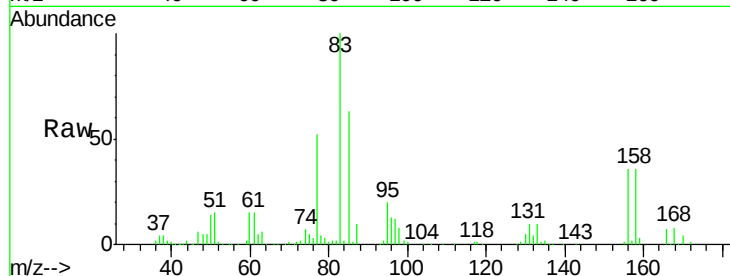
ClientSampleId :

VX0912SBS02

Tot Ion:	83	Resp:	34847
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	63.6	32.8	98.4

Manual Integrations
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MMDadoda
9/13/2019 10:11:58 AM



#76

1,2,3-Trichloropropane

Concen: 19.992 ug/l m

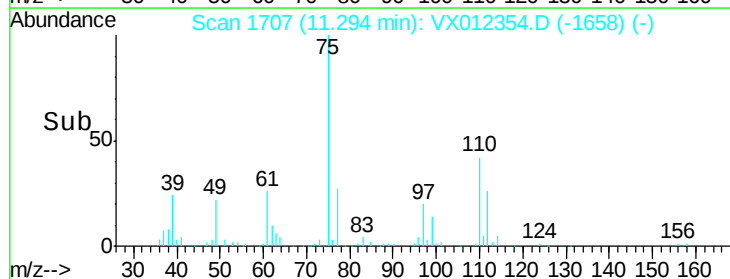
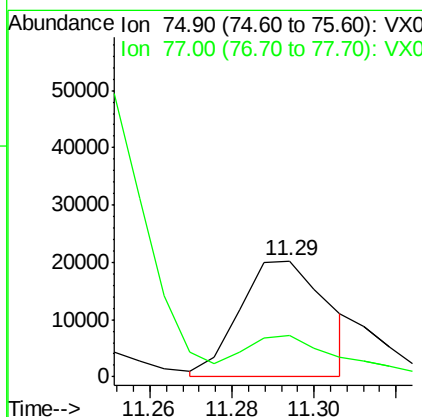
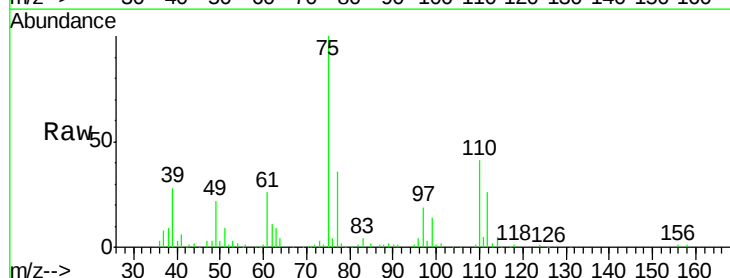
RT: 11.29 min Scan# 1707

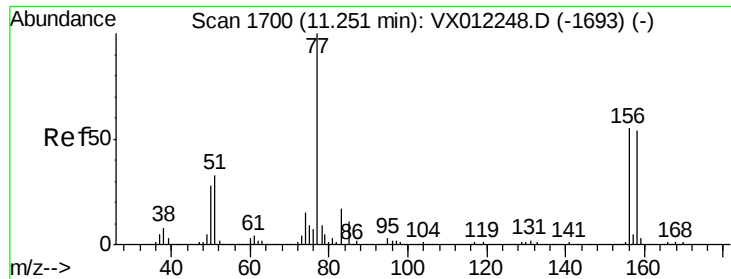
Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	75	Resp:	29825
Ion Ratio	Lower	Upper	
75	100		
77	39.4	19.7	59.0





#77

Bromobenzene

Concen: 20.527 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

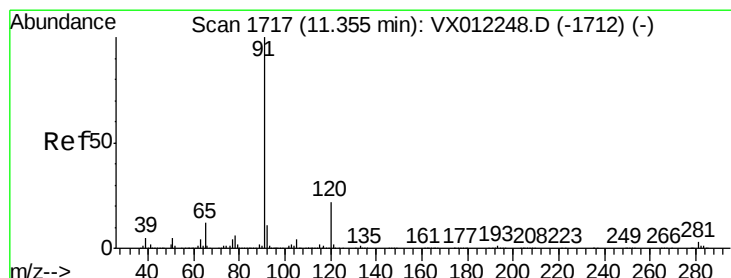
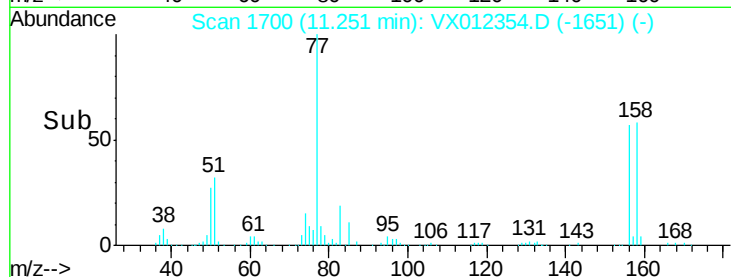
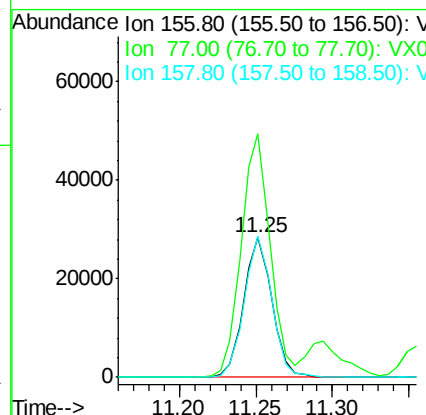
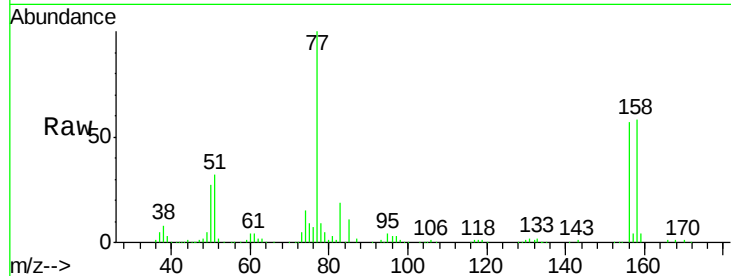
ClientSampleId :

VX0912SBSD02

Tot Ion:	156	Resp:	36131
Ion Ratio	Lower	Upper	
156	100		
77	179.2	92.2	276.6
158	98.7	48.8	146.3

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#78

n-propylbenzene

Concen: 19.659 ug/l

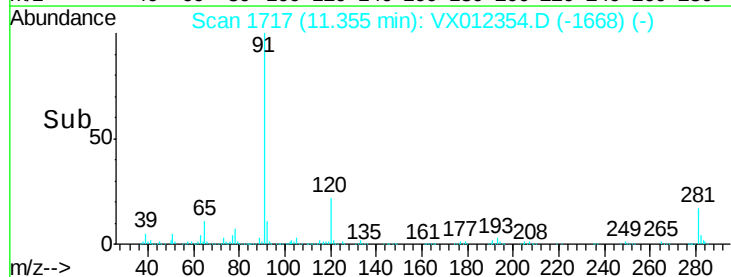
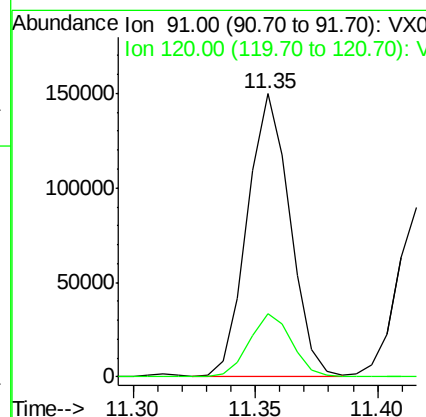
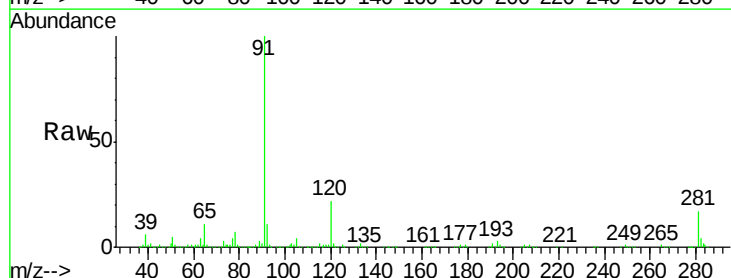
RT: 11.35 min Scan# 1717

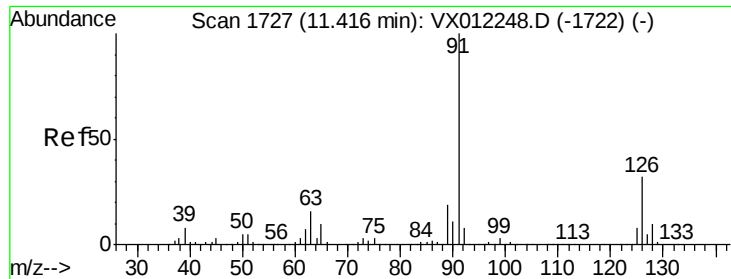
Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	91	Resp:	181491
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.6





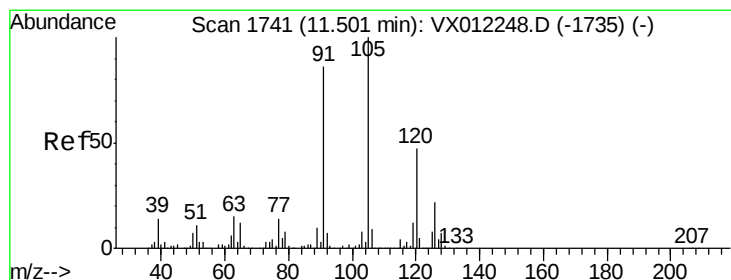
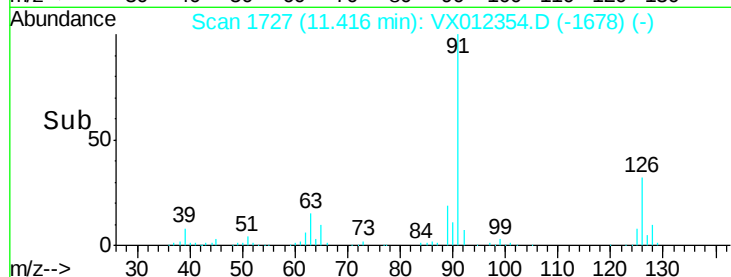
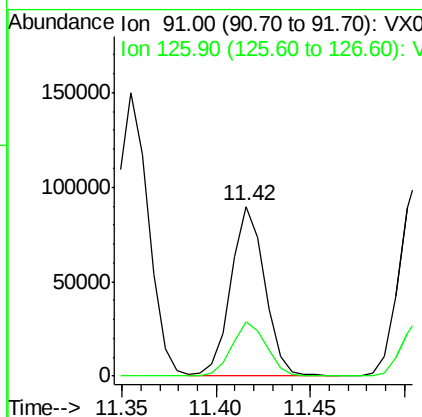
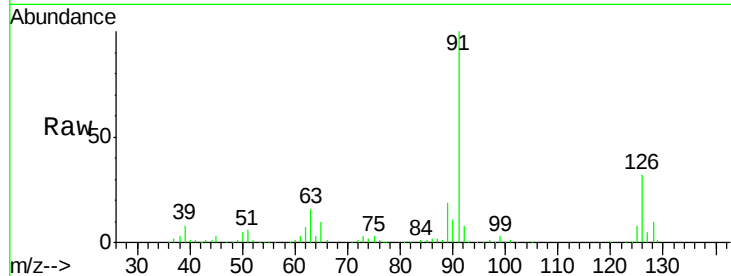
#79
 2-Chlorotoluene
 Concen: 19.378 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion: 91 Resp: 110838
 Ion Ratio Lower Upper
 91 100
 126 32.9 15.9 47.7

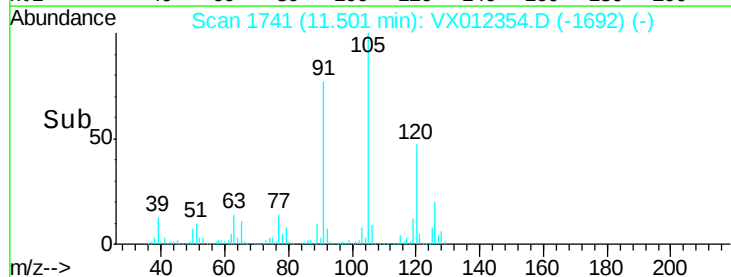
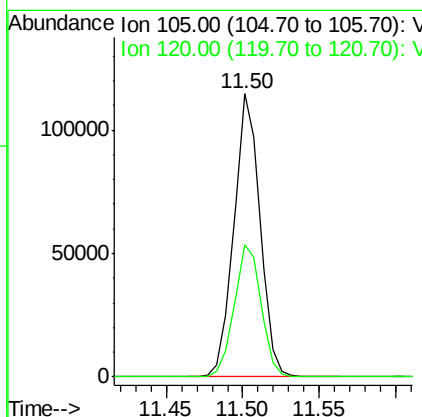
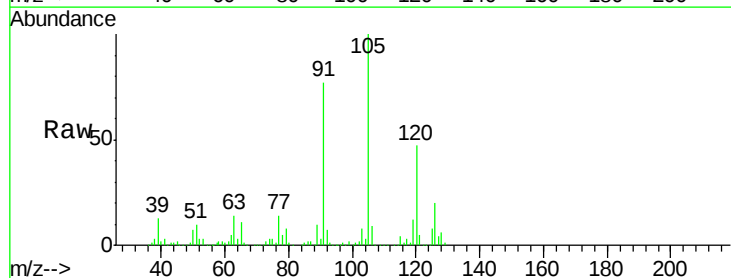
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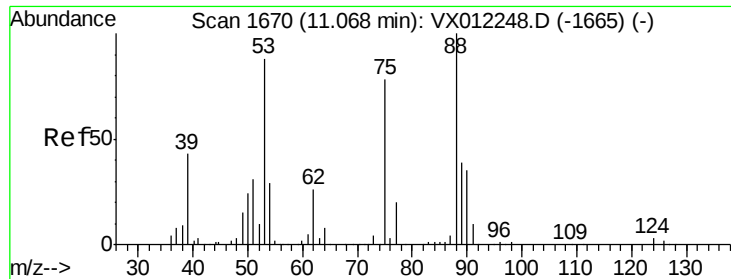
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.691 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion: 105 Resp: 135374
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.7 71.1





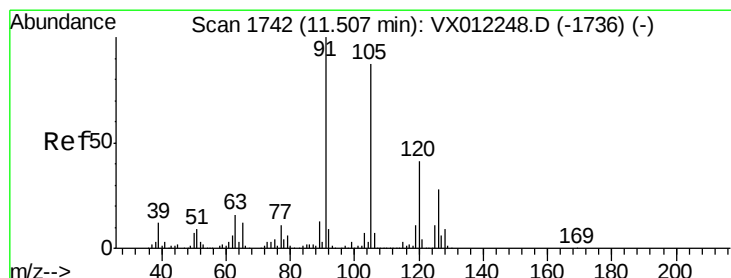
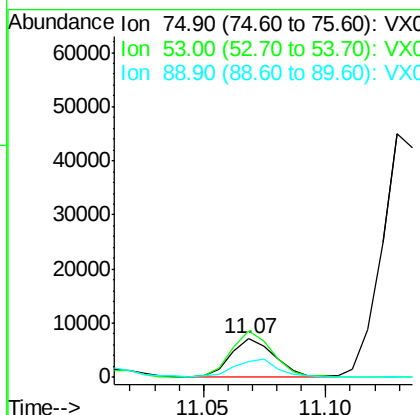
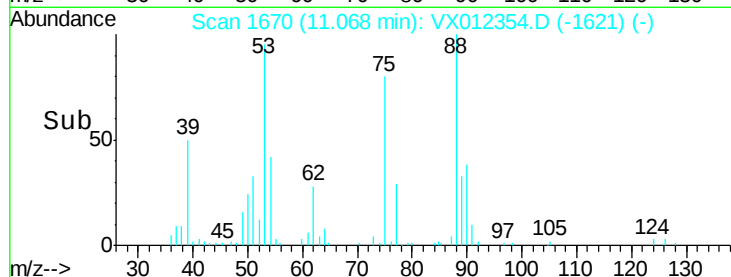
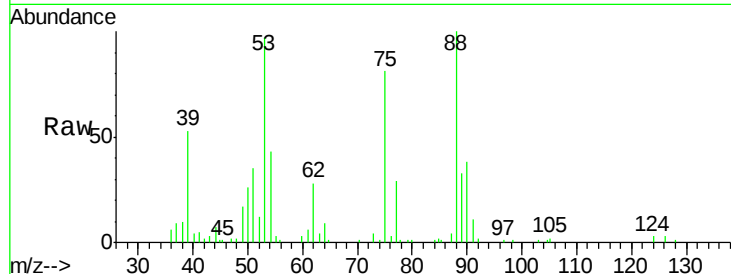
#81
trans-1,4-Dichloro-2-butene
Concen: 17.825 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.6	88.1	132.1
89	48.2	43.5	65.3

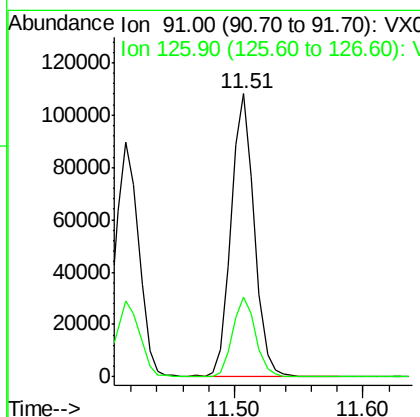
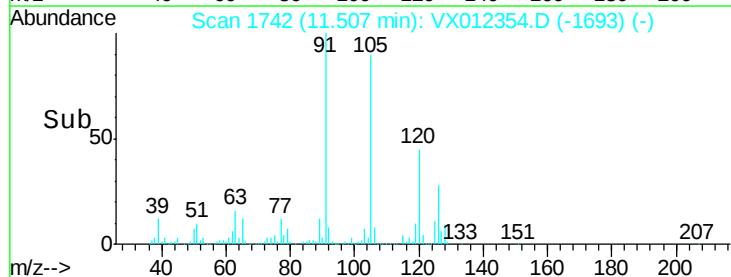
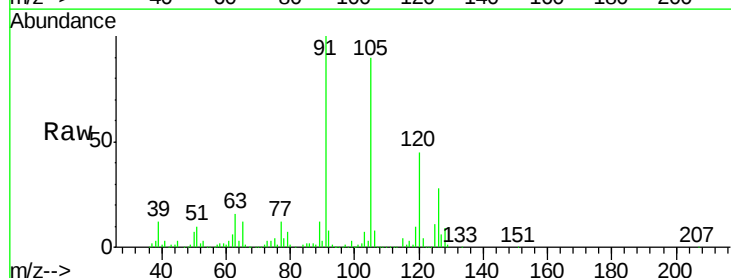
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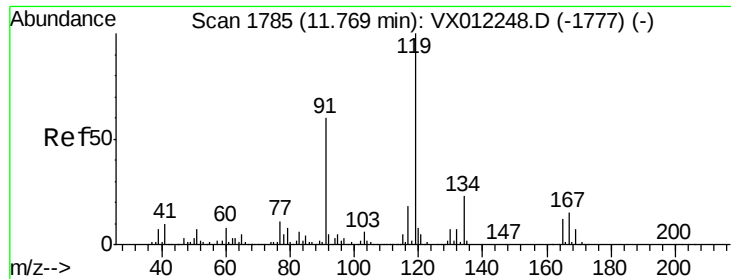
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#82
4-Chlorotoluene
Concen: 19.804 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.0	42.0





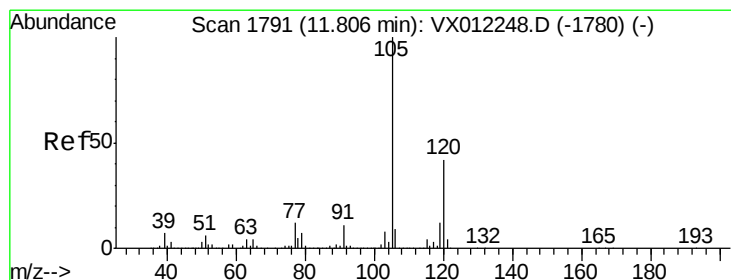
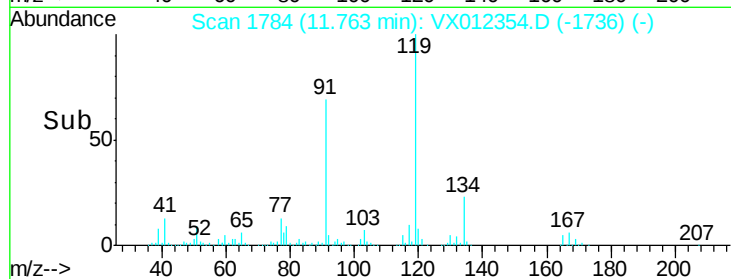
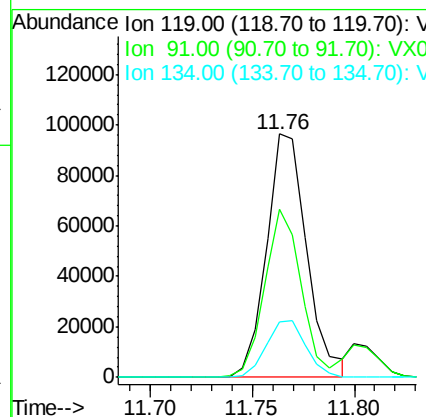
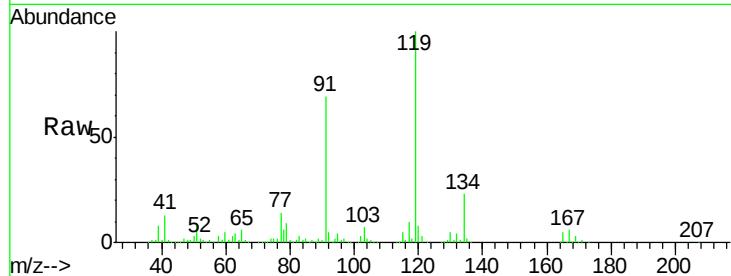
#83
tert-Butylbenzene
Concen: 19.879 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132708		
91	62.3	30.9	92.8	
134	23.0	11.2	33.6	

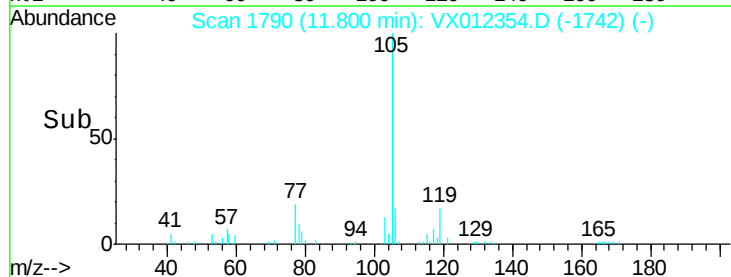
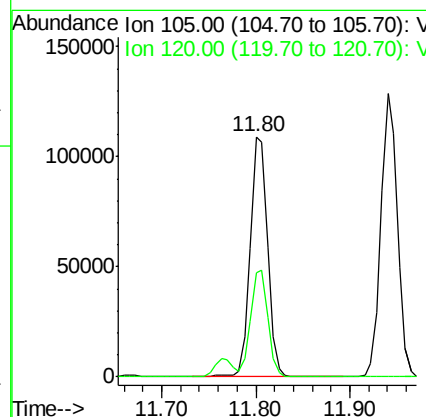
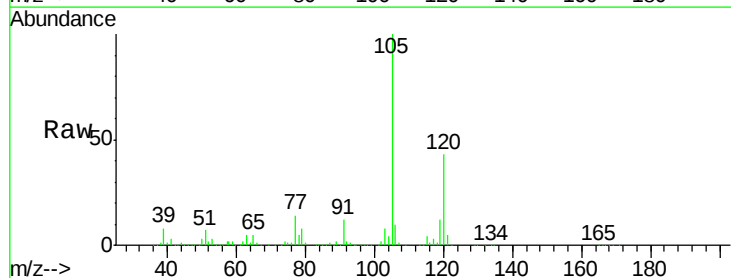
Manual Integrations
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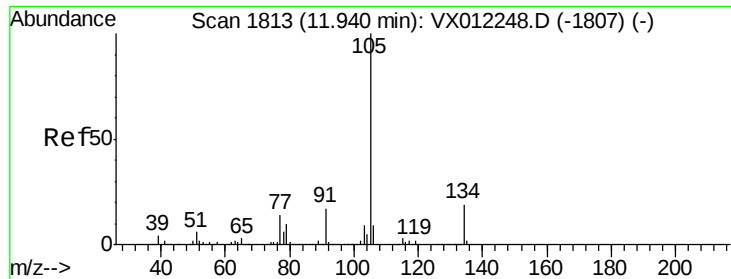
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#84
1,2,4-Trimethylbenzene
Concen: 19.698 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139999		
120	43.8	21.3	63.9	





#85

sec-Butylbenzene

Concen: 19.575 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion:105 Resp: 155923

Ion Ratio Lower Upper

105 100

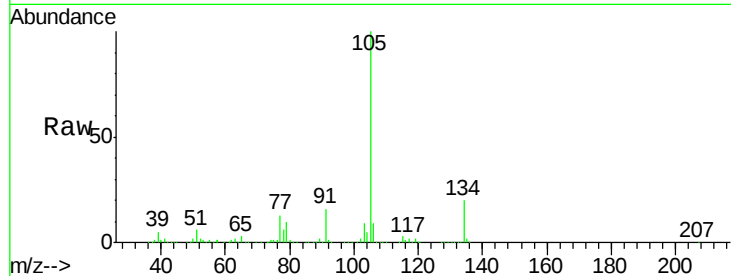
134 20.3 9.9 29.7

Manual Integrations

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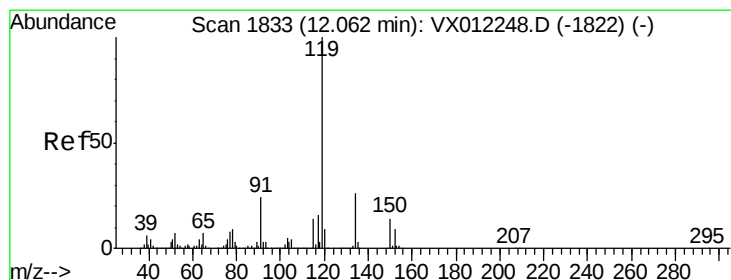
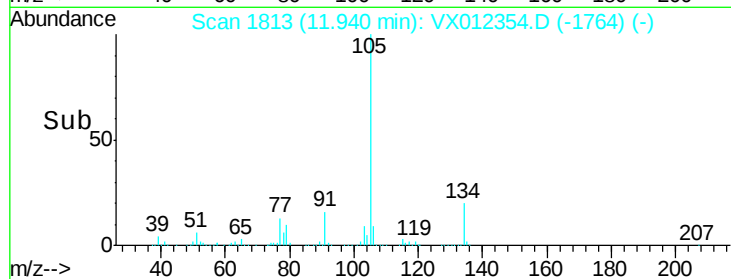
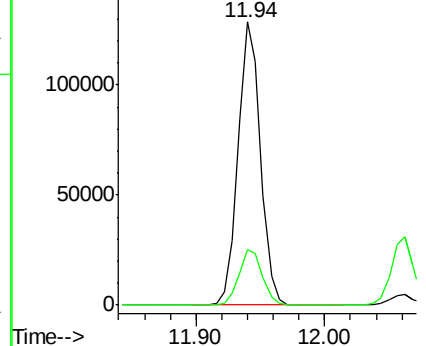
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.822 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

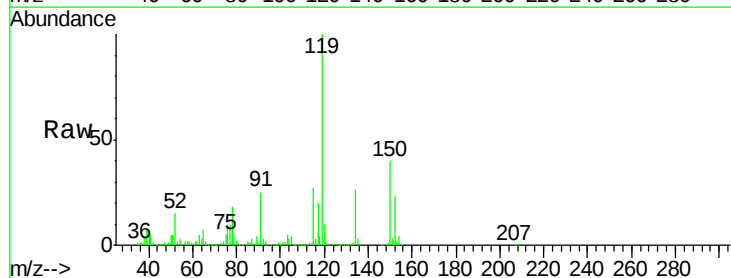
Tgt Ion:119 Resp: 145888

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

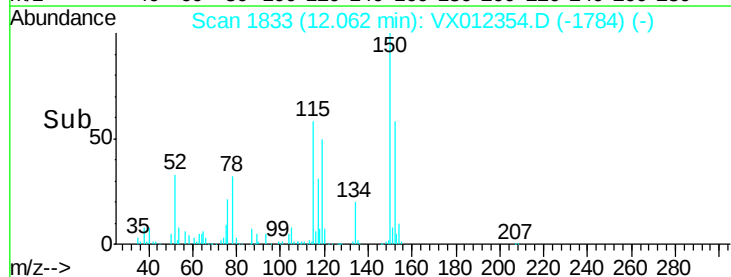
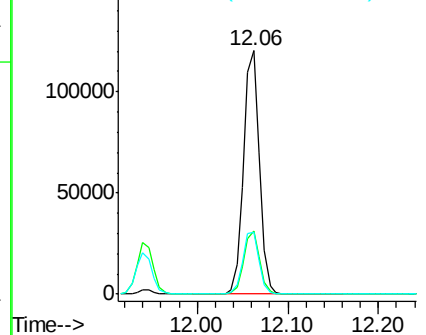
91 26.0 13.1 39.1

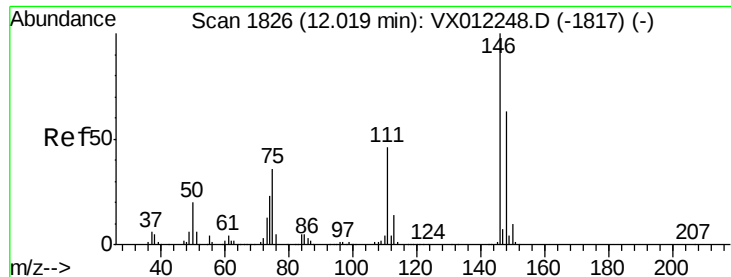


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.227 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

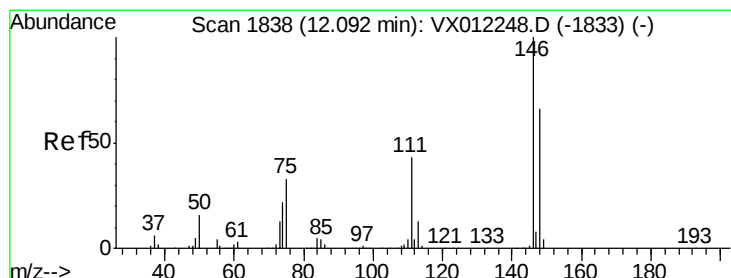
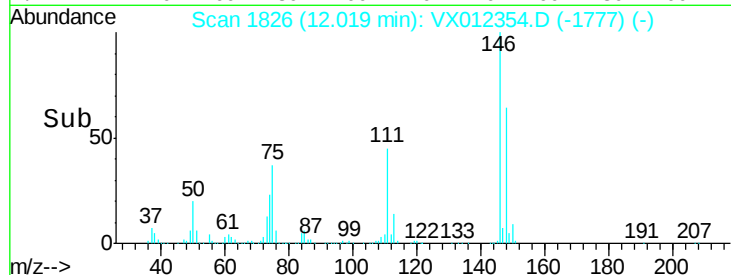
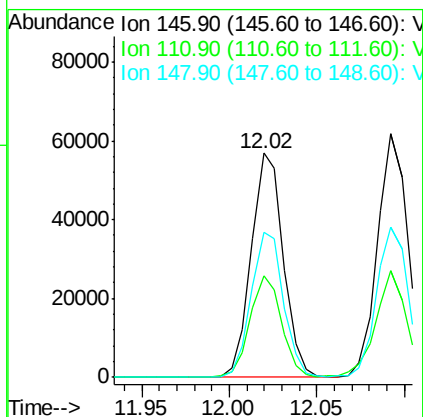
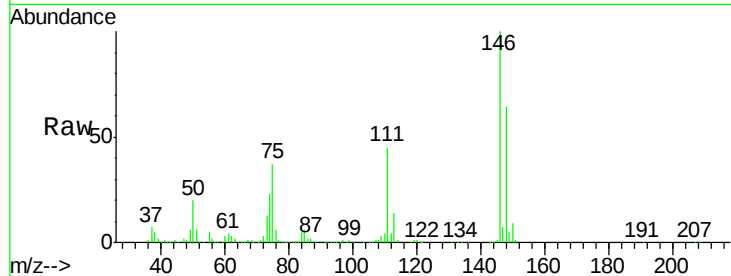
ClientSampleId :

VX0912SBS02

Tot Ion:	146	Resp:	72526
Ion Ratio	Lower	Upper	
146	100		
111	44.8	22.3	66.8
148	65.0	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 20.604 ug/l

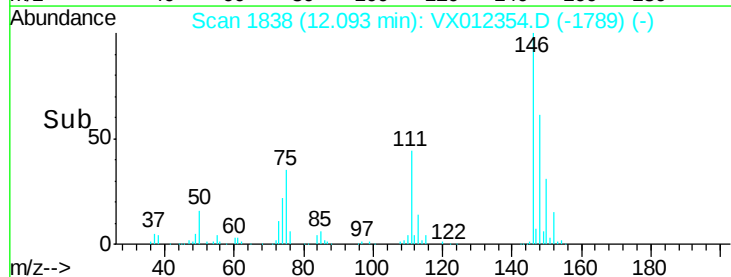
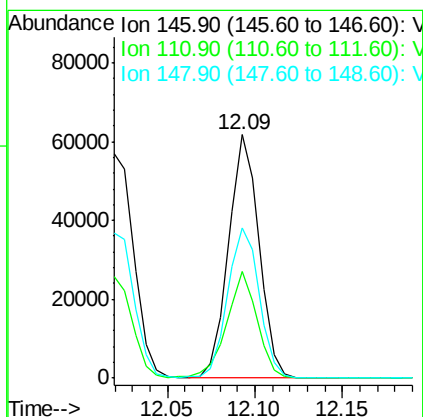
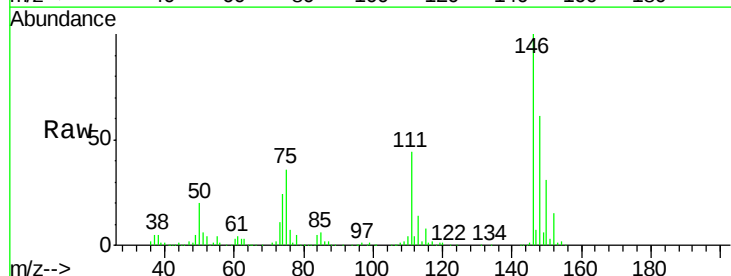
RT: 12.09 min Scan# 1838

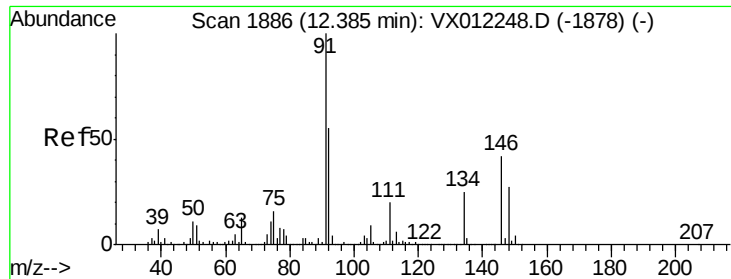
Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	146	Resp:	74701
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.6	64.8
148	64.3	32.4	97.2





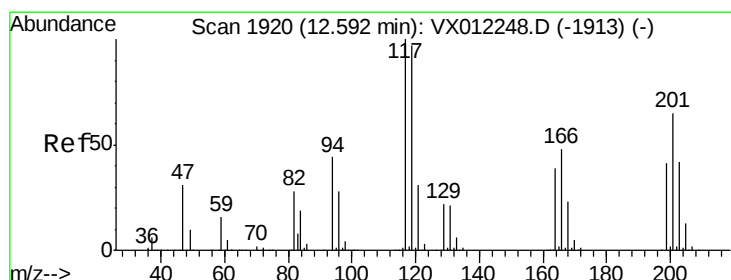
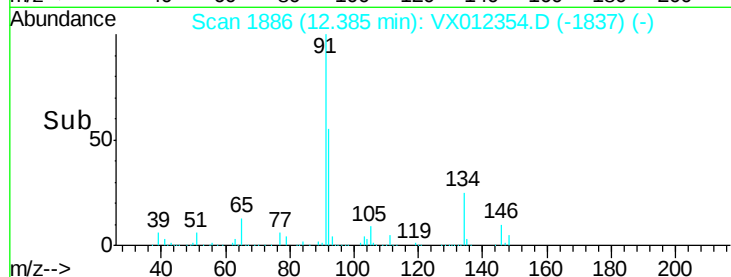
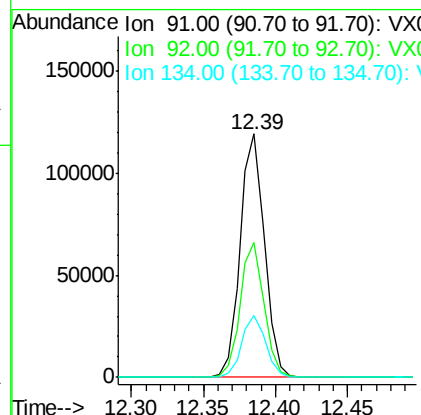
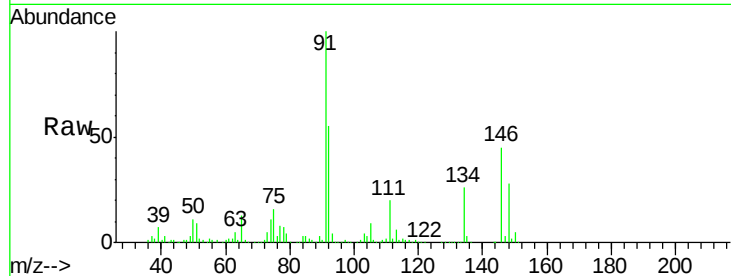
#89
n-Butylbenzene
Concen: 19.506 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	140710		
92	54.3	27.6	82.7	
134	25.3	12.5	37.5	

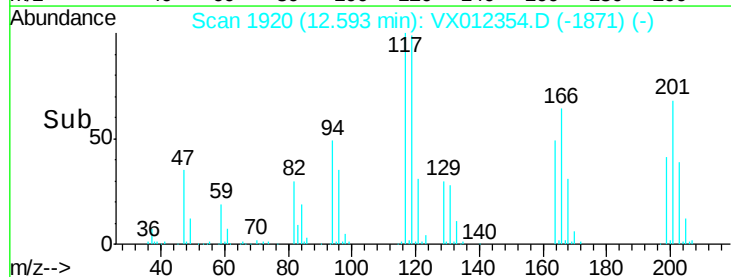
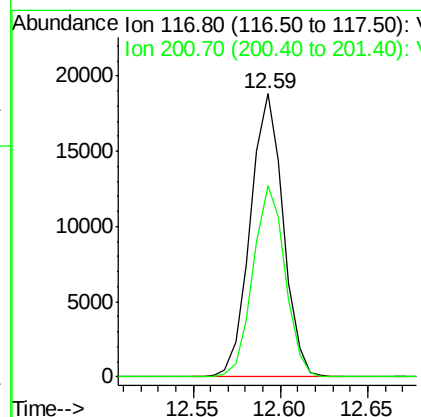
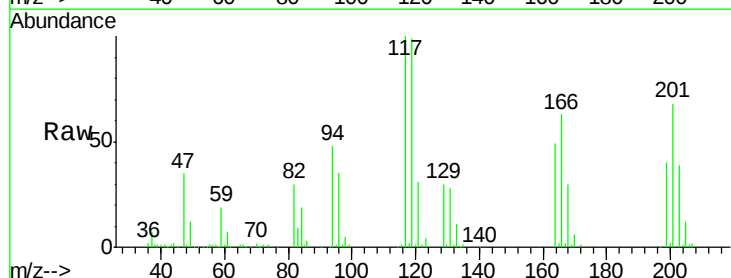
Manual Integrations
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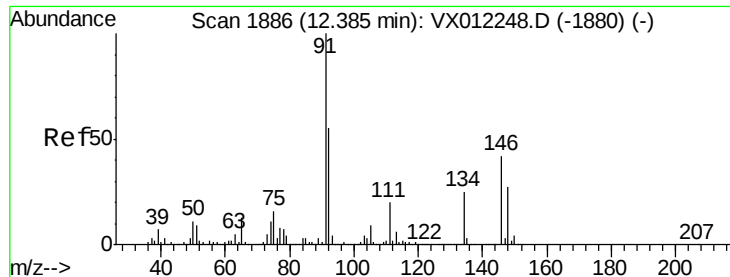
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#90
Hexachloroethane
Concen: 18.103 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24541		
201	65.8	32.2	96.6	





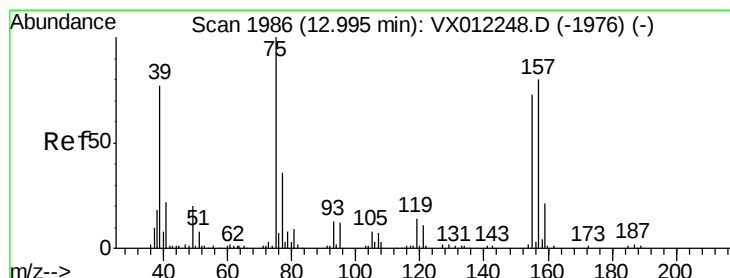
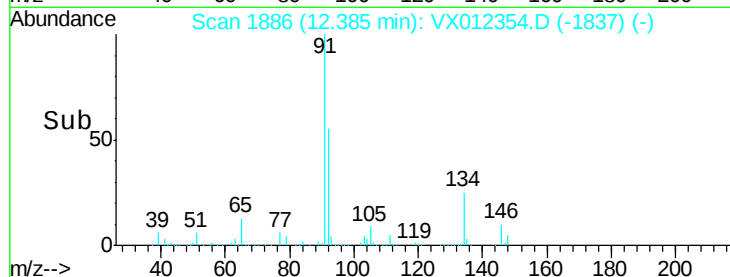
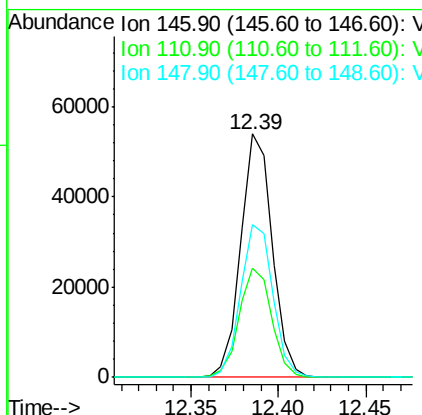
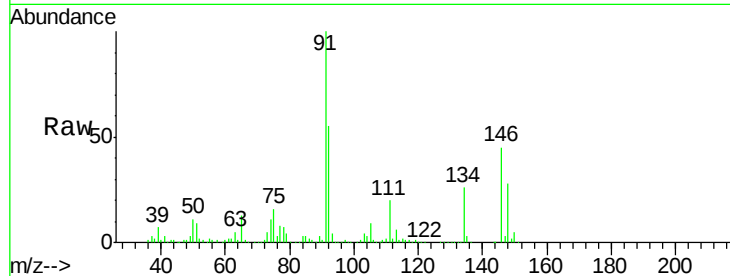
#91
 1,2-Dichlorobenzene
 Concen: 20.420 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.2	69.6
148	64.1	32.4	97.0

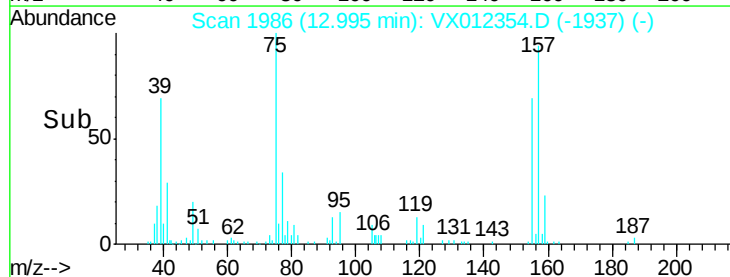
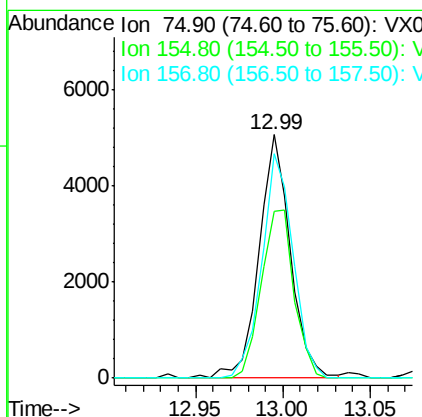
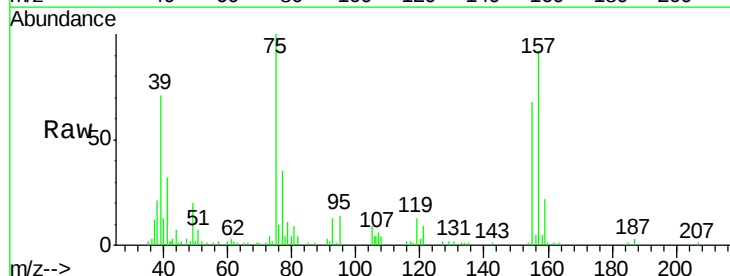
Manual Integrations
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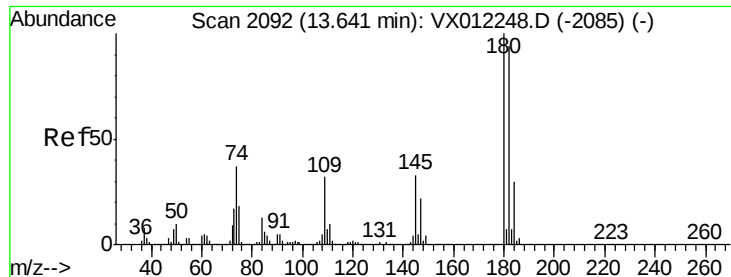
MMDadoda
 9/13/2019 10:11:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.067 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	35.3	105.7
157	91.7	43.2	129.6





#93

1,2,4-Trichlorobenzene

Concen: 19.471 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

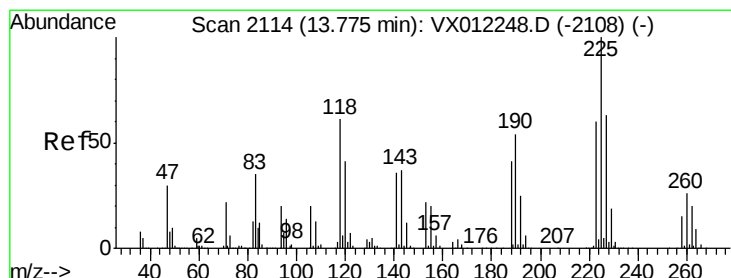
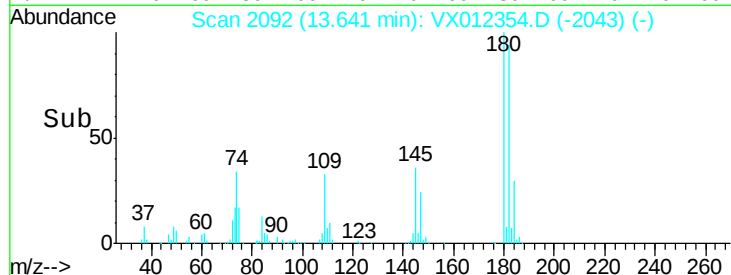
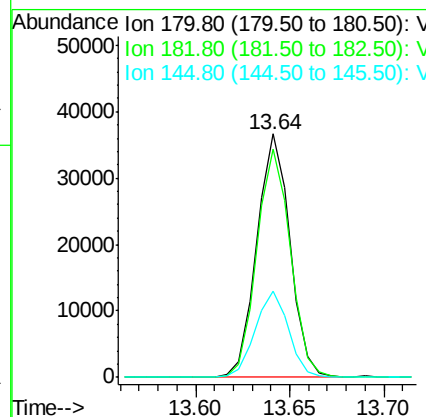
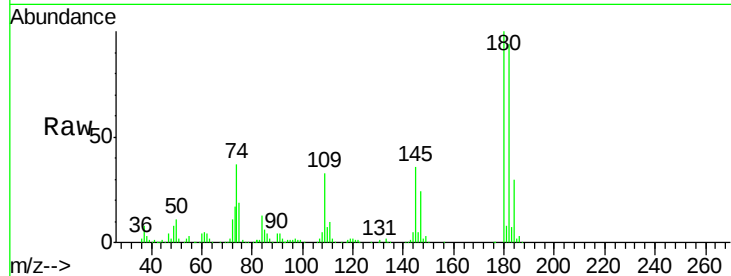
ClientSampleId :

VX0912SBS02

Tot Ion:	180	Resp:	44599
Ion Ratio	Lower	Upper	
180	100		
182	95.0	46.9	140.8
145	35.7	17.1	51.2

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 21.067 ug/l

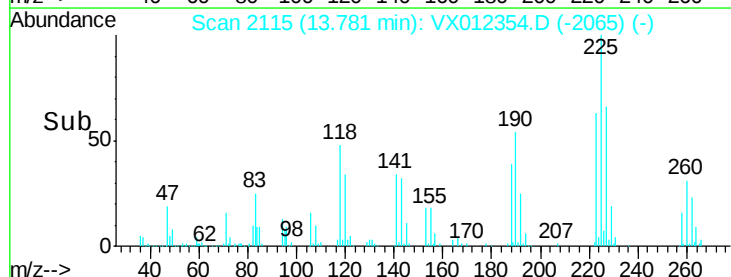
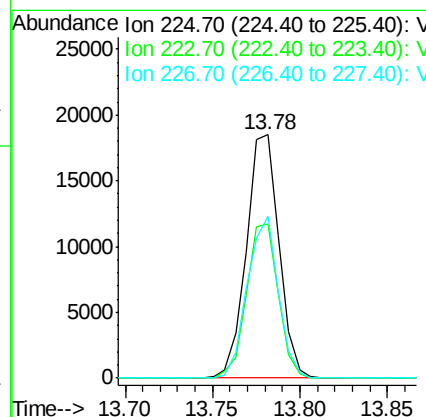
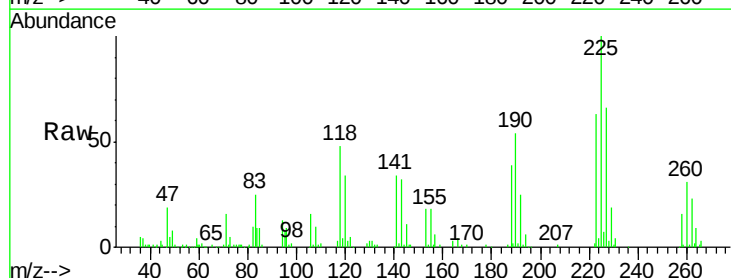
RT: 13.78 min Scan# 2115

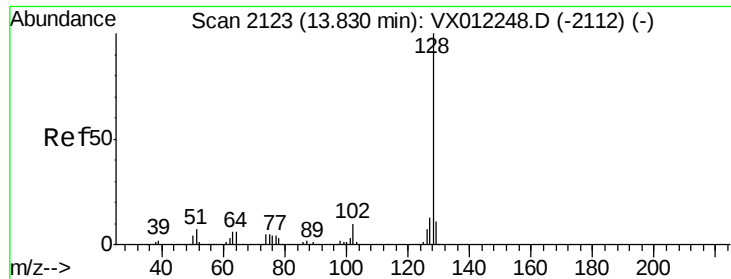
Delta R.T. 0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion:	225	Resp:	24005
Ion Ratio	Lower	Upper	
225	100		
223	61.6	32.1	96.5
227	62.4	32.5	97.5





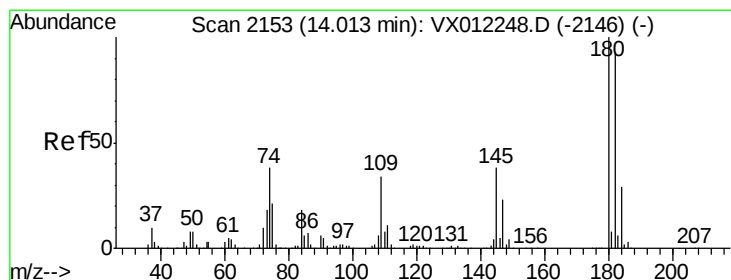
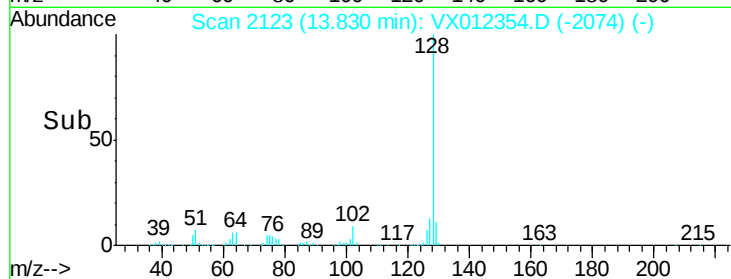
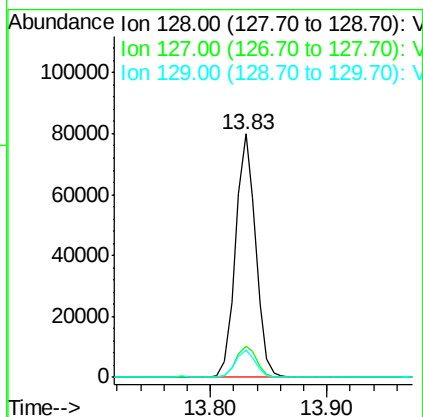
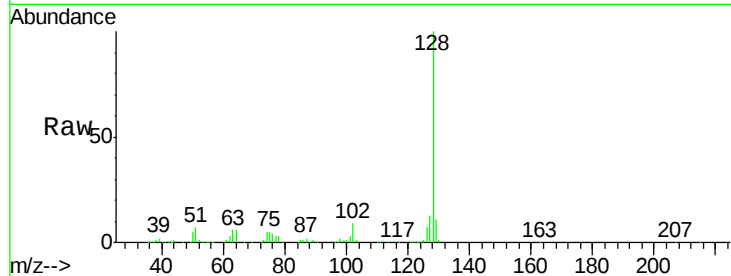
#95
Naphthalene
Concen: 19.520 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.1	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.842 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	37.7	18.6	55.8

