

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012384.D
 Acq On : 13 Sep 2019 14:01
 Operator : SY/SP
 Sample : VX0913SBS03
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:08 AM

Quant Time: Sep 14 00:22:53 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	135672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231544	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	91157	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	5.48	113	72500	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	8.71	98	273485	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	11.14	95	114884	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	20561	18.536	ug/l	97
3) Chloromethane	1.31	50	19336	19.339	ug/l	100
4) Vinyl Chloride	1.39	62	19209	19.376	ug/l	98
5) Bromomethane	1.62	94	9024	19.646	ug/l	96
6) Chloroethane	1.70	64	12937	19.515	ug/l	98
7) Trichlorofluoromethane	1.91	101	35041	19.530	ug/l	95
8) Diethyl Ether	2.17	74	11724	19.149	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24058	19.895	ug/l	98
10) Methyl Iodide	2.50	142	12437	10.806	ug/l	99
11) Tert butyl alcohol	3.03	59	16828m	76.198	ug/l	
12) 1,1-Dichloroethene	2.36	96	20036	19.516	ug/l	94
13) Acrolein	2.28	56	9055	90.306	ug/l	96
14) Allyl chloride	2.71	41	37735	18.029	ug/l	100
15) Acrylonitrile	3.13	53	37538	99.186	ug/l	99
16) Acetone	2.43	43	42985	94.664	ug/l	100
17) Carbon Disulfide	2.55	76	36409	16.889	ug/l	99
18) Methyl Acetate	2.76	43	19363	20.288	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	73788	18.200	ug/l	99
20) Methylene Chloride	2.84	84	28549	18.492	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	23426	19.126	ug/l	97
22) Diisopropyl ether	3.84	45	86601	18.092	ug/l	90
23) Vinyl Acetate	3.80	43	272357	92.737	ug/l	99
24) 1,1-Dichloroethane	3.68	63	48576	18.945	ug/l	97
25) 2-Butanone	4.65	43	56872	97.975	ug/l	94
26) 2,2-Dichloropropane	4.57	77	44072	18.308	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	29472	18.638	ug/l	99
28) Bromochloromethane	5.00	49	22187	18.450	ug/l	97
29) Tetrahydrofuran	5.12	42	32067	102.388	ug/l	100
30) Chloroform	5.19	83	53230	18.410	ug/l	99
31) Cyclohexane	5.56	56	33136	18.605	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	44769	18.033	ug/l	99
36) 1,1-Dichloropropene	5.79	75	32700	19.368	ug/l	96
37) Ethyl Acetate	4.82	43	21935	21.017	ug/l #	90
38) Carbon Tetrachloride	5.77	117	36253	18.302	ug/l	95

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Manual Integrations
 APPROVED

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Quant Time: Sep 14 00:22:53 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)
39) Methylcyclohexane	7.45	83	36122	19.496	ug/l	98
40) Benzene	6.13	78	99562	19.484	ug/l	97
41) Methacrylonitrile	5.02	41	12977	20.169	ug/l	96
42) 1,2-Dichloroethane	6.18	62	39215	19.417	ug/l	100
43) Isopropyl Acetate	6.43	43	43011	19.547	ug/l	100
44) Trichloroethene	7.20	130	27820	20.117	ug/l	95
45) 1,2-Dichloropropane	7.51	63	26961	19.062	ug/l	92
46) Dibromomethane	7.65	93	15219	19.687	ug/l	97
47) Bromodichloromethane	7.89	83	38055	18.039	ug/l #	98
48) Methyl methacrylate	7.76	41	20430	19.398	ug/l	98
49) 1,4-Dioxane	7.73	88	5752	404.726	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	117965	101.579	ug/l	99
52) Toluene	8.78	92	64402	19.081	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	37753	17.930	ug/l	93
54) cis-1,3-Dichloropropene	8.43	75	42105	18.034	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	23004	19.208	ug/l	96
56) Ethyl methacrylate	9.17	69	31633	19.508	ug/l	95
57) 1,3-Dichloropropane	9.37	76	40251	19.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	85106	102.403	ug/l	99
59) 2-Hexanone	9.48	43	84630	104.809	ug/l	100
60) Dibromochloromethane	9.57	129	24409	17.458	ug/l	96
61) 1,2-Dibromoethane	9.67	107	21970	19.708	ug/l	96
64) Tetrachloroethene	9.33	164	23806	20.852	ug/l	98
65) Chlorobenzene	10.14	112	75950	19.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	27725	18.646	ug/l	99
67) Ethyl Benzene	10.25	91	134720	19.203	ug/l	97
68) m/p-Xylenes	10.35	106	100780	39.025	ug/l	98
69) o-Xylene	10.70	106	47244	18.675	ug/l	99
70) Styrene	10.71	104	84979	18.940	ug/l	99
71) Bromoform	10.85	173	14220	18.442	ug/l #	98
73) Isopropylbenzene	11.01	105	134483	18.322	ug/l	99
74) N-amyl acetate	10.89	43	37846	17.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	30057	19.068	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	26186m	18.283	ug/l	
77) Bromobenzene	11.25	156	32048	18.965	ug/l	95
78) n-propylbenzene	11.35	91	160851	18.147	ug/l	99
79) 2-Chlorotoluene	11.42	91	100059	18.221	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	120409	18.242	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	7525	15.742	ug/l	91
82) 4-Chlorotoluene	11.51	91	119590	18.121	ug/l	100
83) tert-Butylbenzene	11.76	119	118246	18.449	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	123487	18.097	ug/l	98
85) sec-Butylbenzene	11.94	105	140075	18.317	ug/l	99
86) p-Isopropyltoluene	12.06	119	128161	18.138	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	64709	18.798	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	64048	18.400	ug/l	99
89) n-Butylbenzene	12.39	91	124111	17.920	ug/l	99
90) Hexachloroethane	12.59	117	21662	16.644	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	59446	18.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5644	17.541	ug/l	97

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MSVOA_X
ClientSampleId :
VX0913SBSD03

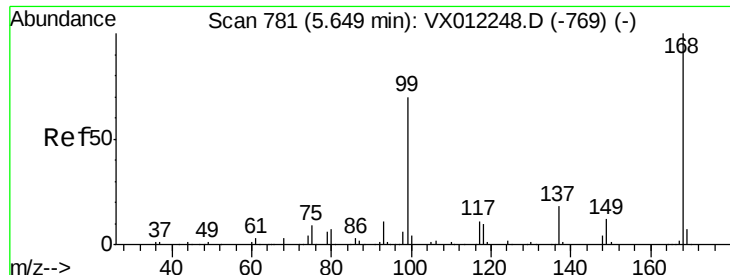
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	40886	18.592	ug/l	99
94) Hexachlorobutadiene	13.78	225	21504	19.656	ug/l	100
95) Naphthalene	13.83	128	86870	18.407	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	38357	19.713	ug/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: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion:168 Resp: 135672

Ion Ratio Lower Upper

168 100

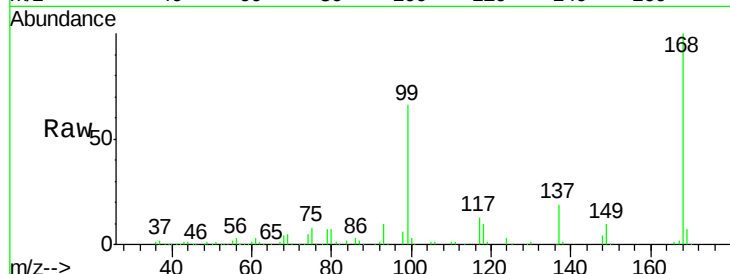
99 66.0 55.8 83.6

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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

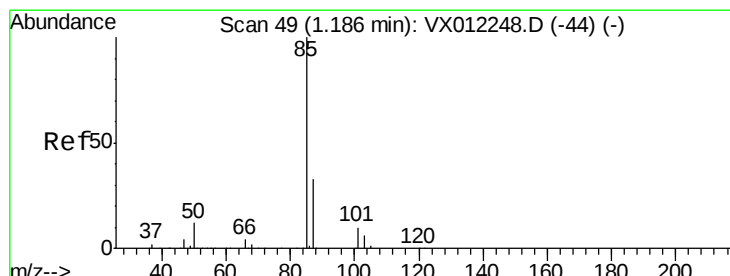
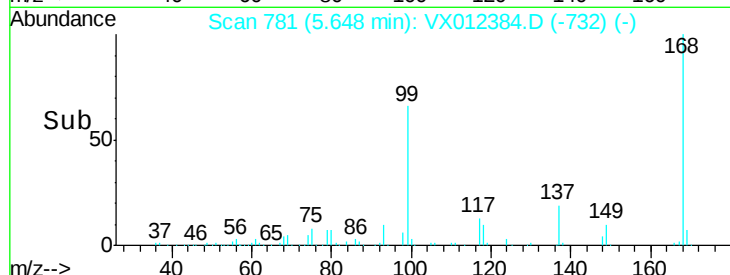
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.536 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012384.D

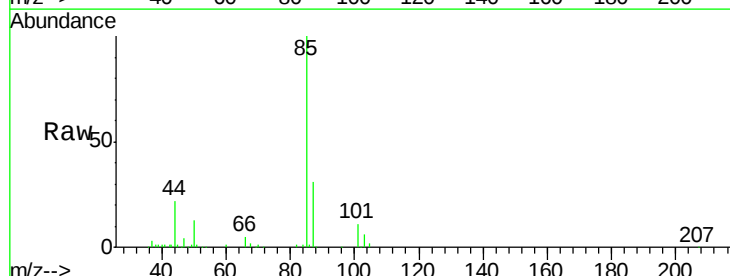
Acq: 13 Sep 2019 14:01

Tgt Ion: 85 Resp: 20561

Ion Ratio Lower Upper

85 100

87 31.3 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

20000

15000

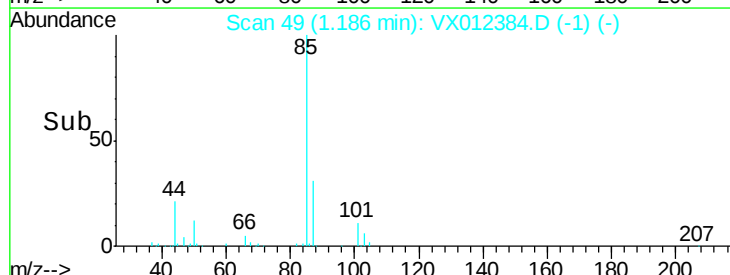
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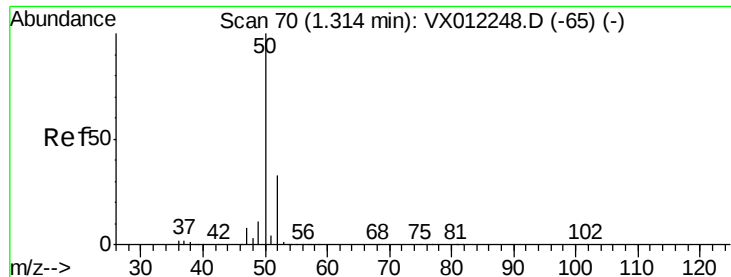
5000

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Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 19.339 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 50 Resp: 19336

Ion Ratio Lower Upper

50 100

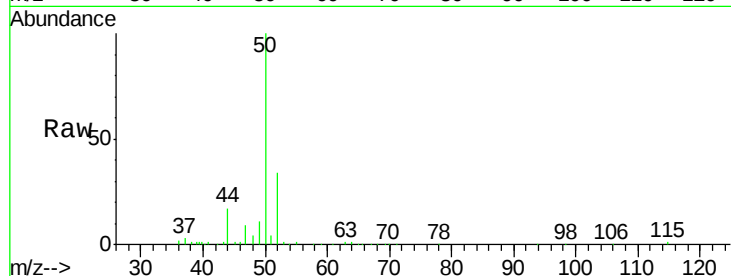
52 33.6 26.7 40.1

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

20000

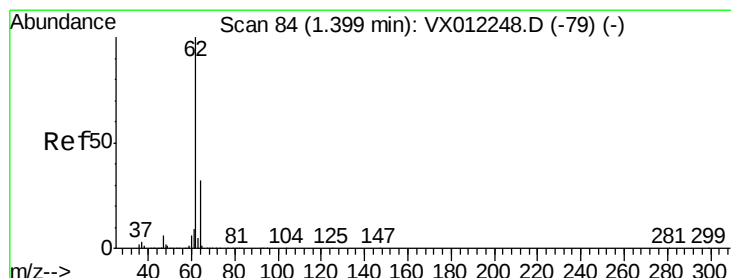
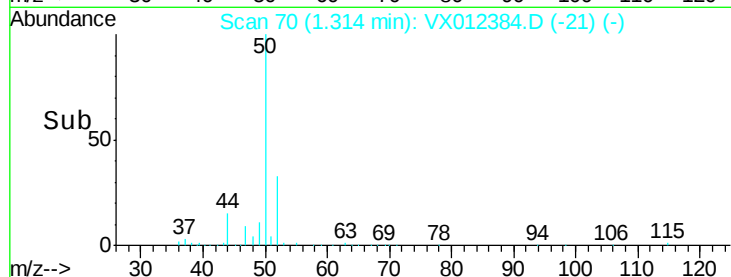
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 19.376 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012384.D

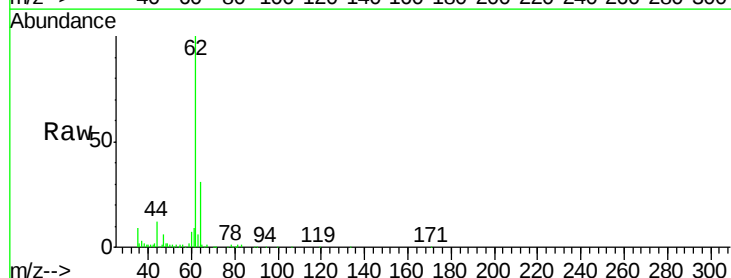
Acq: 13 Sep 2019 14:01

Tgt Ion: 62 Resp: 19209

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

20000

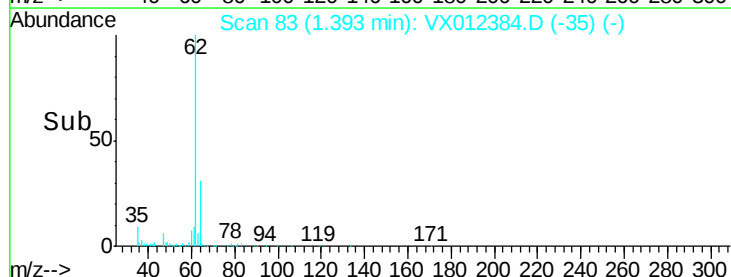
15000

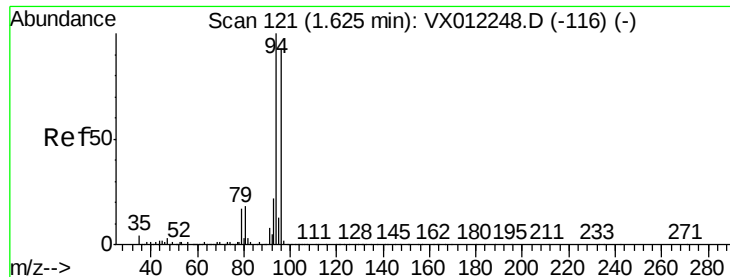
10000

5000

0

Time-->





#5

Bromomethane

Concen: 19.646 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 94 Resp: 9024

Ion Ratio Lower Upper

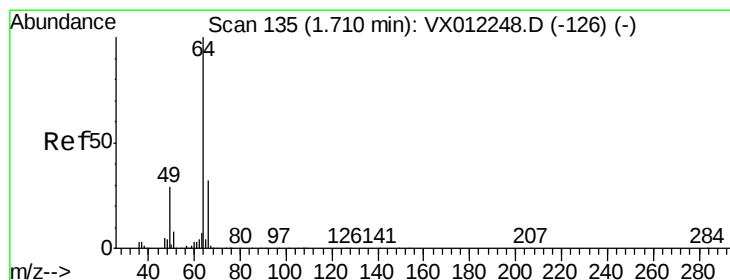
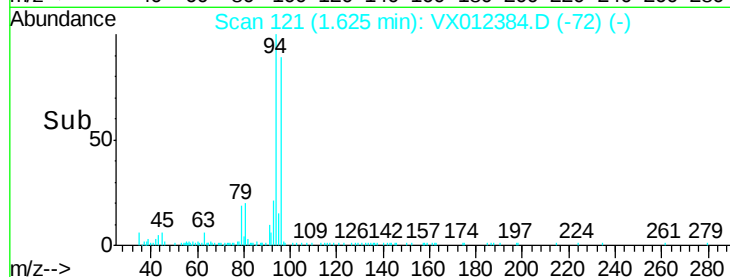
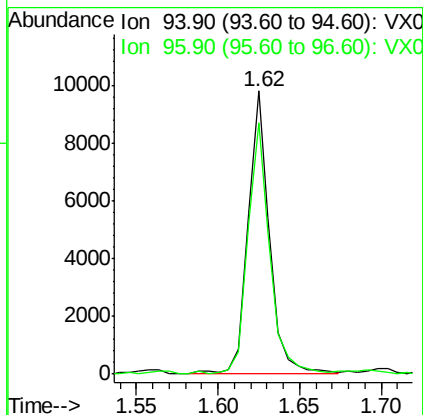
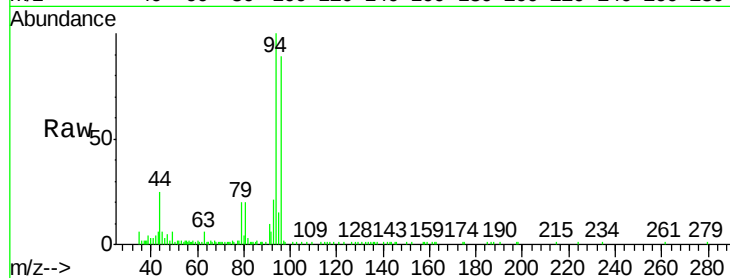
94 100

96 88.7 74.0 111.0

Manual Integrations
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9/16/2019 1:13:08 AM



#6

Chloroethane

Concen: 19.515 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012384.D

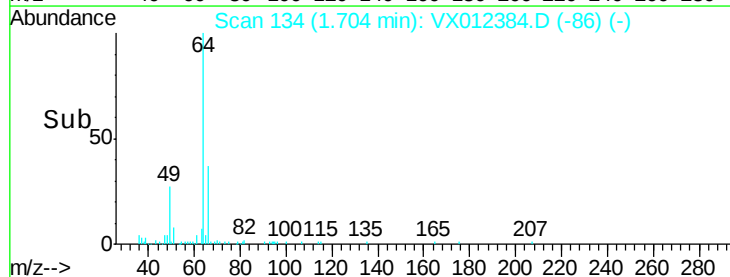
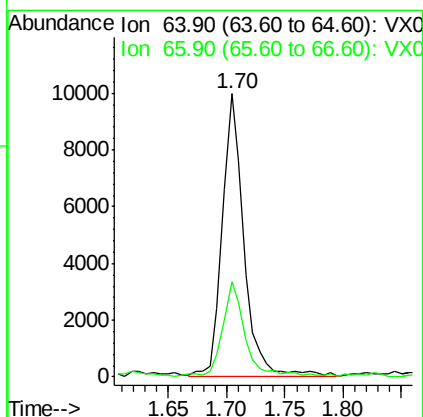
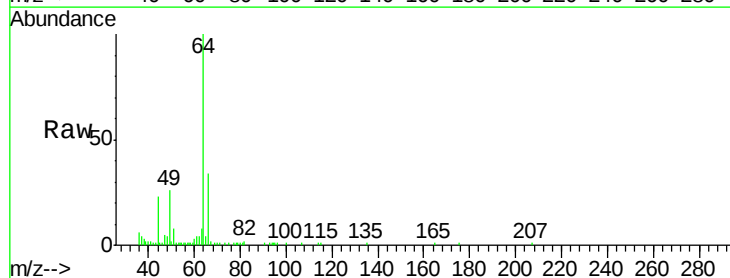
Acq: 13 Sep 2019 14:01

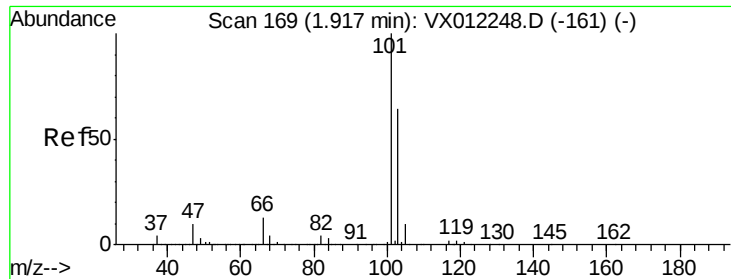
Tgt Ion: 64 Resp: 12937

Ion Ratio Lower Upper

64 100

66 33.5 25.8 38.6





#7

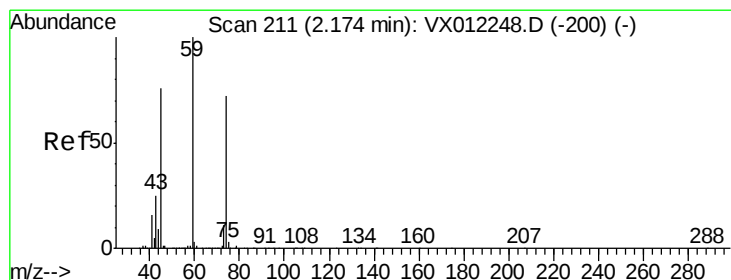
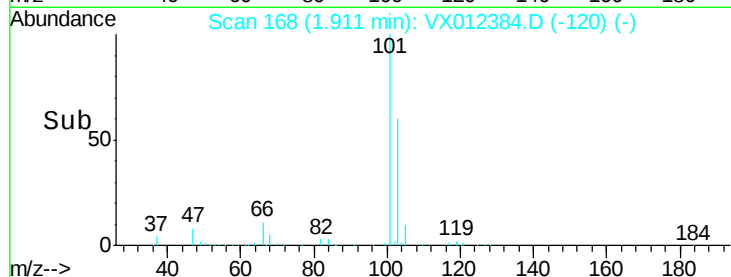
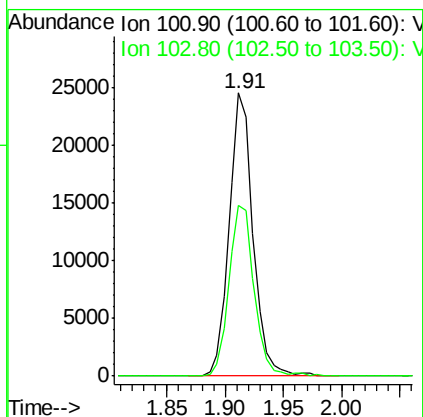
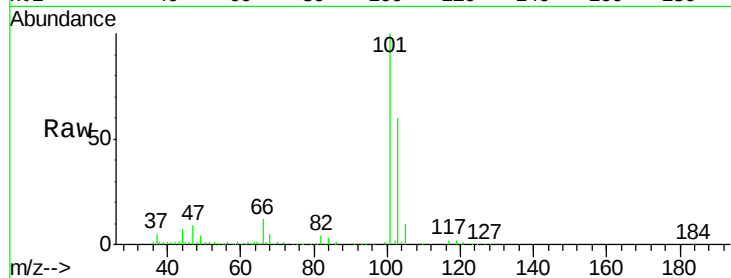
Trichlorofluoromethane
Concen: 19.530 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion:101 Resp: 35041
Ion Ratio Lower Upper
101 100
103 60.4 51.4 77.2

Manual Integrations
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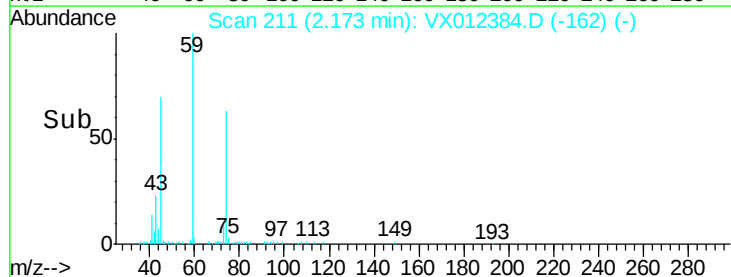
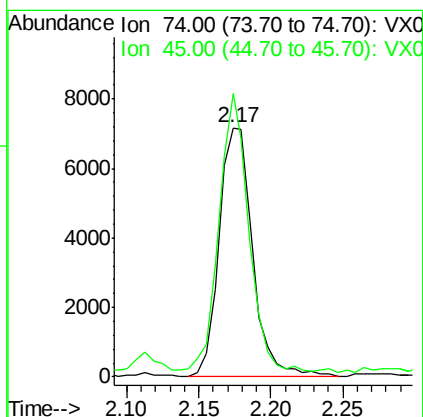
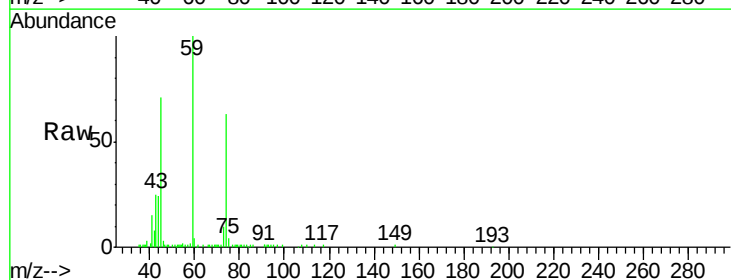
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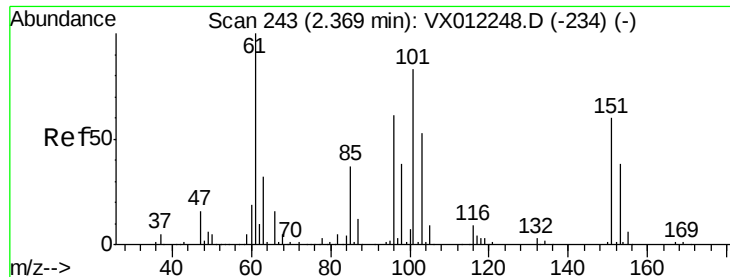


#8

Diethyl Ether
Concen: 19.149 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion: 74 Resp: 11724
Ion Ratio Lower Upper
74 100
45 98.7 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.895 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

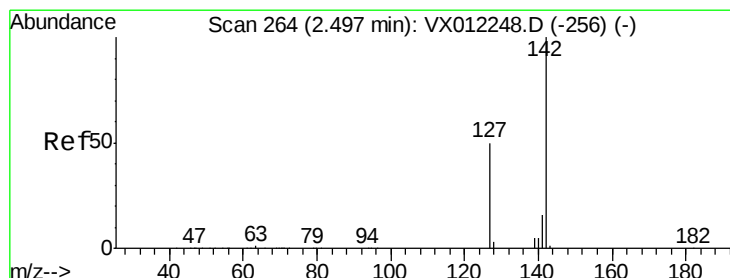
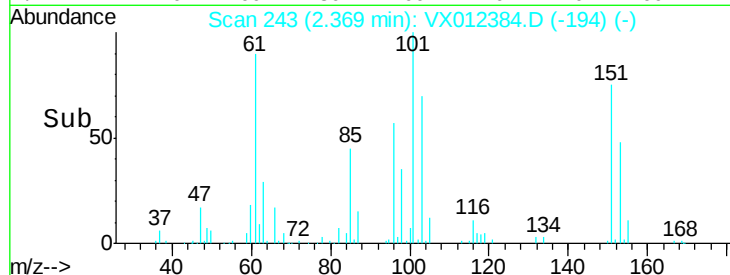
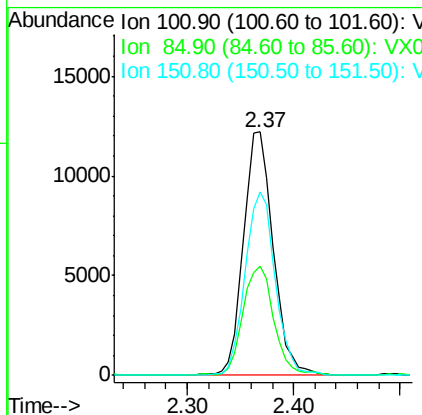
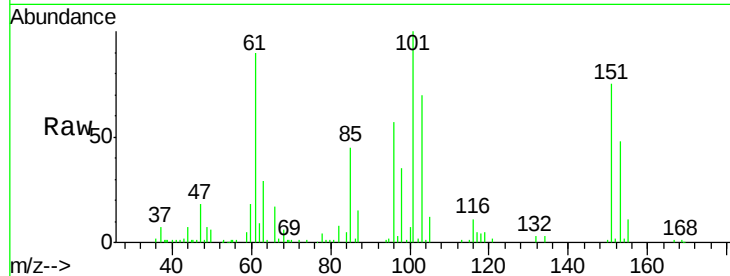
ClientSampleId :

VX0913SBS03

Tot Ion:	101	Resp:	24058
Ion Ratio	Lower	Upper	
101	100		
85	46.8	37.0	55.6
151	76.0	58.6	87.8

Manual Integrations
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9/16/2019 1:13:08 AM



#10

Methyl Iodide

Concen: 10.806 ug/l

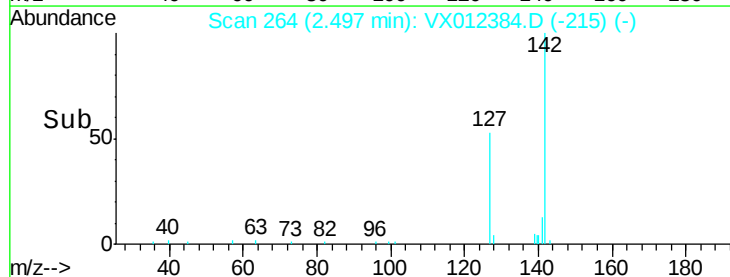
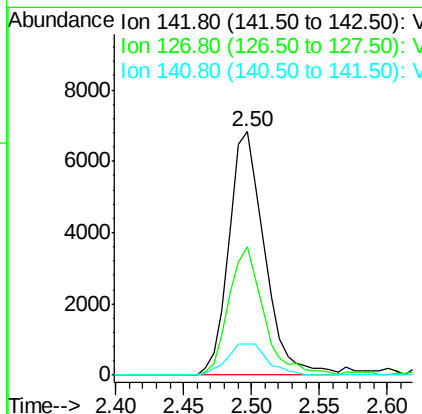
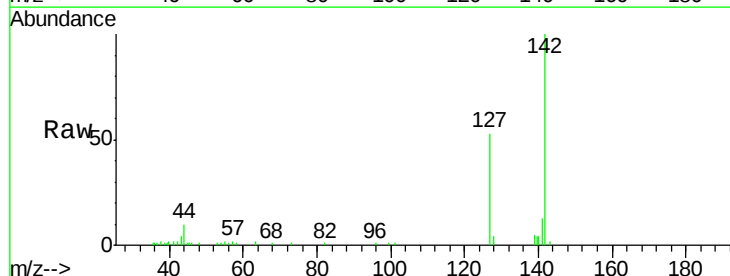
RT: 2.50 min Scan# 264

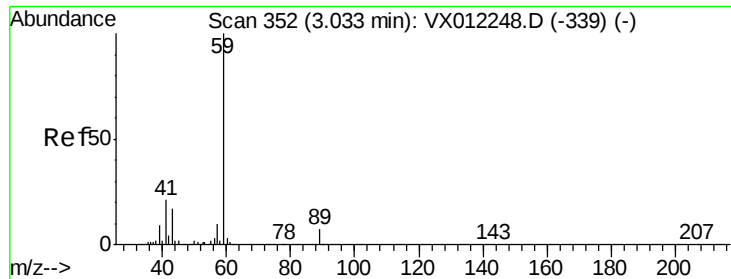
Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Tgt Ion:	142	Resp:	12437
Ion Ratio	Lower	Upper	
142	100		
127	51.7	40.6	61.0
141	14.7	12.0	18.0





#11

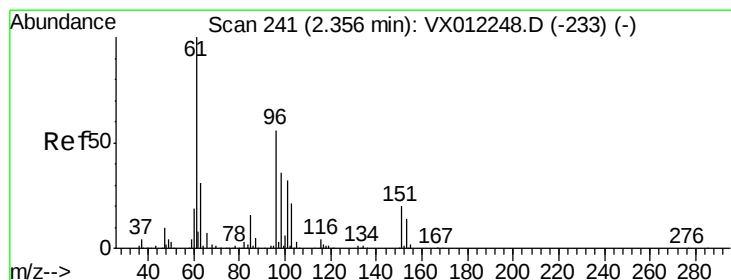
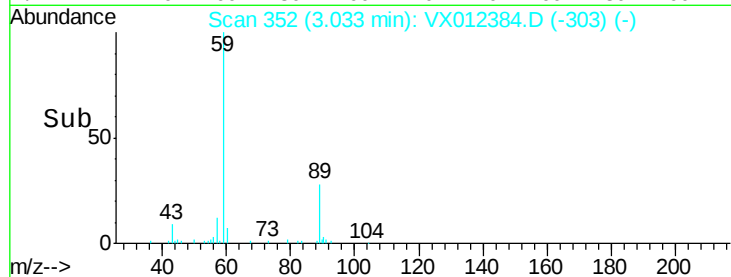
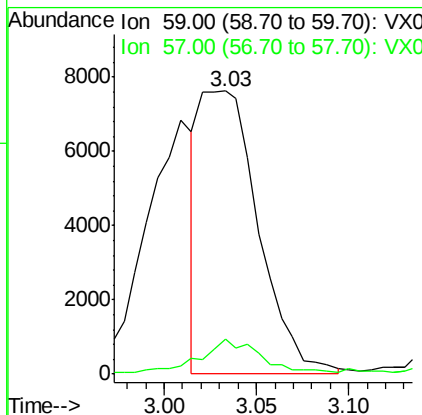
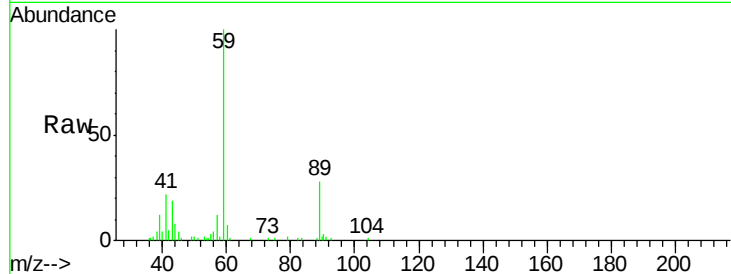
Tert butyl alcohol
 Concen: 76.198 ug/l m
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		16828		
57	11.4		7.8	11.6	

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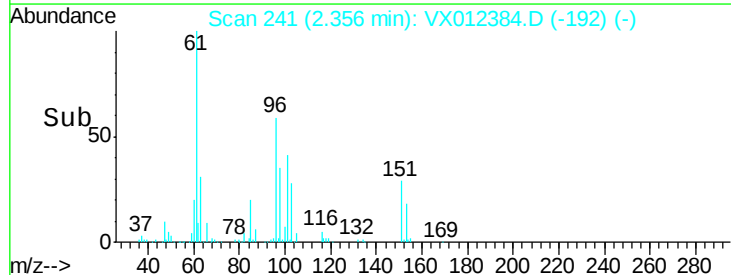
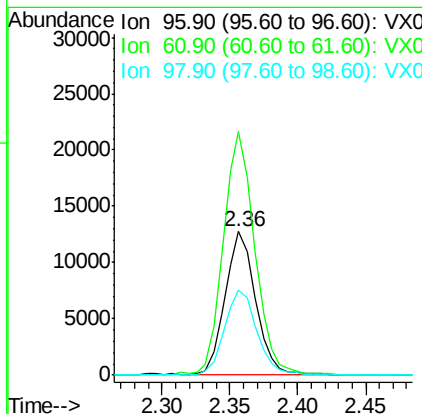
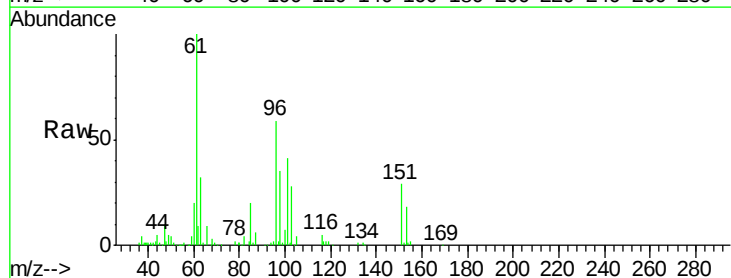
MMDadoda
 9/16/2019 1:13:08 AM

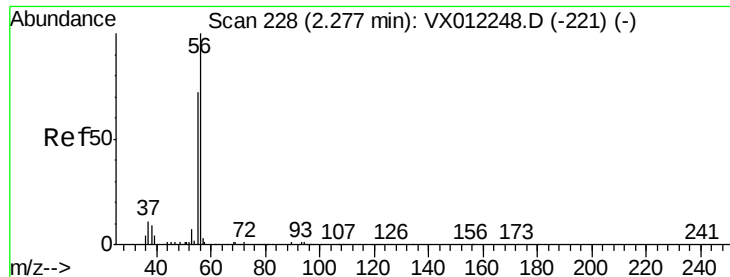


#12

1,1-Dichloroethene
 Concen: 19.516 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		20036		
61	169.2		142.2	213.2	
98	59.2		51.3	76.9	





#13

Acrolein

Concen: 90.306 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 56 Resp: 9055

Ion Ratio Lower Upper

56 100

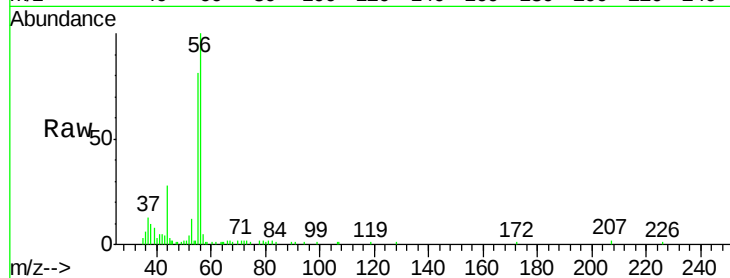
55 71.4 59.8 89.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

6000

5000

4000

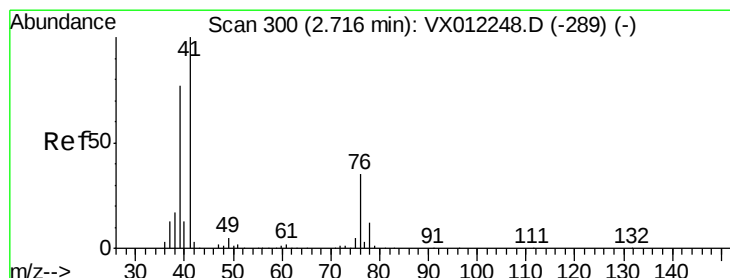
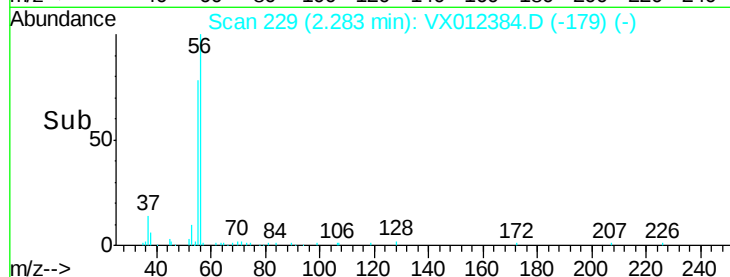
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 18.029 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

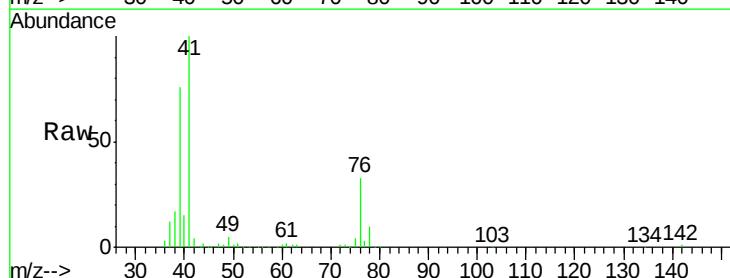
Tgt Ion: 41 Resp: 37735

Ion Ratio Lower Upper

41 100

39 73.4 58.6 87.8

76 33.2 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

2.71

25000

20000

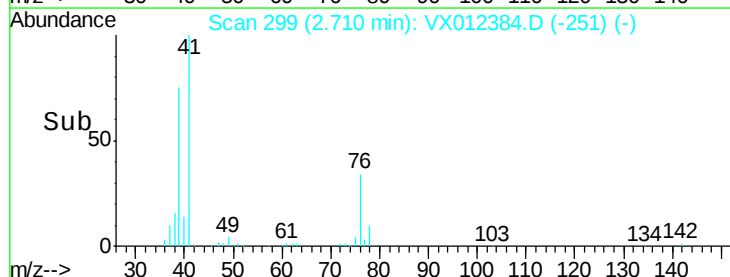
15000

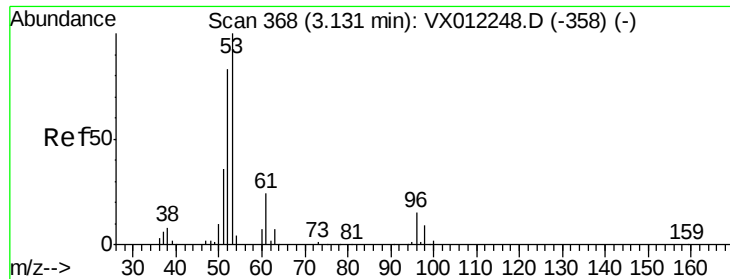
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 99.186 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

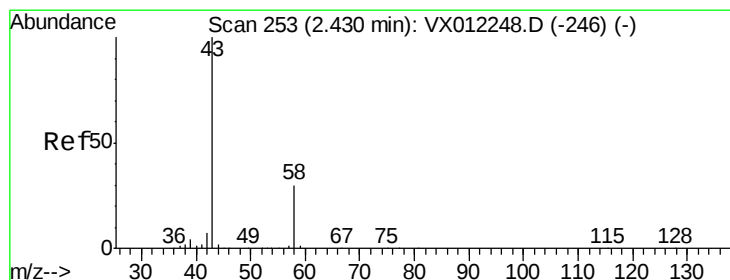
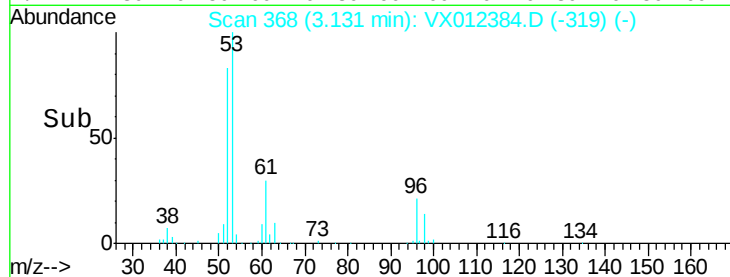
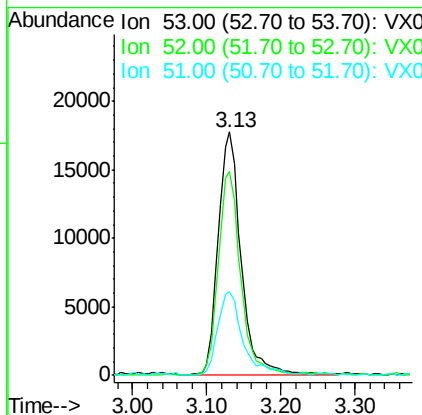
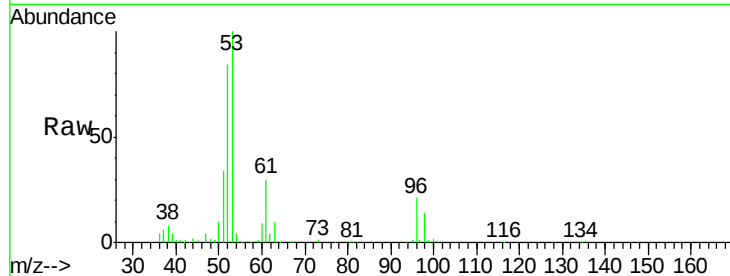
ClientSampleId :

VX0913SBS03

Tot Ion:	53	Resp:	37538
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.8	100.2
51	38.0	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 94.664 ug/l

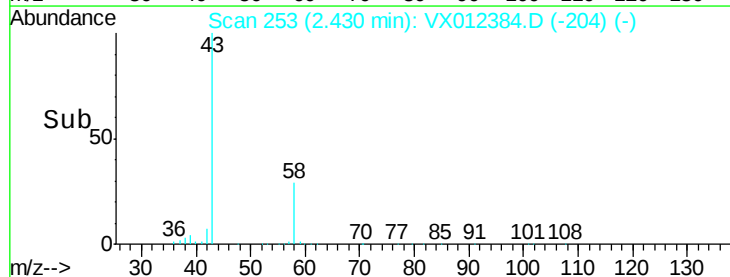
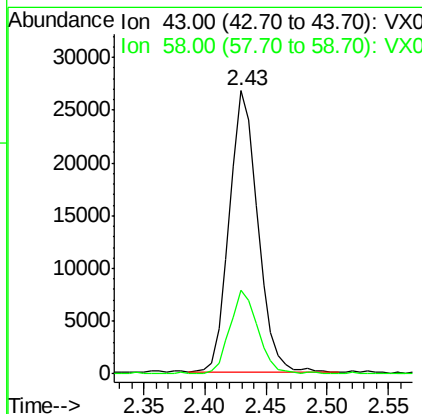
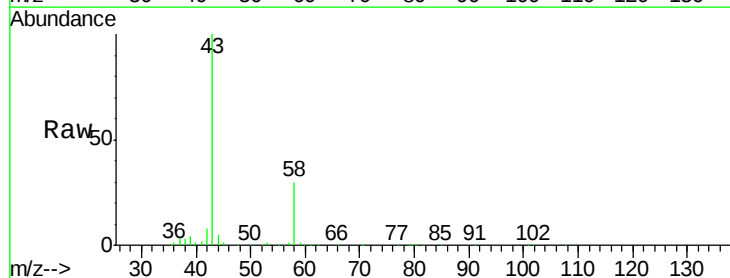
RT: 2.43 min Scan# 253

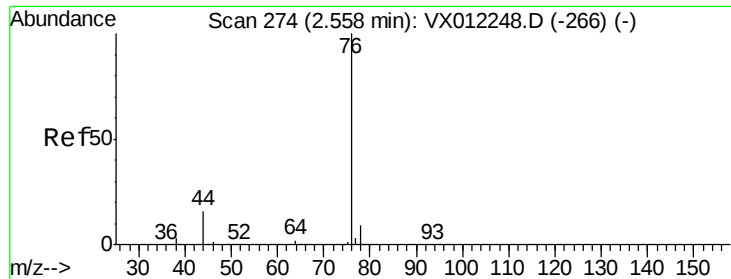
Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Tgt Ion:	43	Resp:	42985
Ion Ratio	Lower	Upper	
43	100		
58	29.6	23.6	35.4





#17

Carbon Disulfide

Concen: 16.889 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 76 Resp: 36409

Ion Ratio Lower Upper

76 100

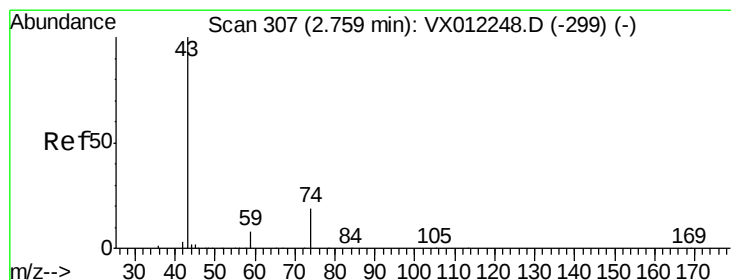
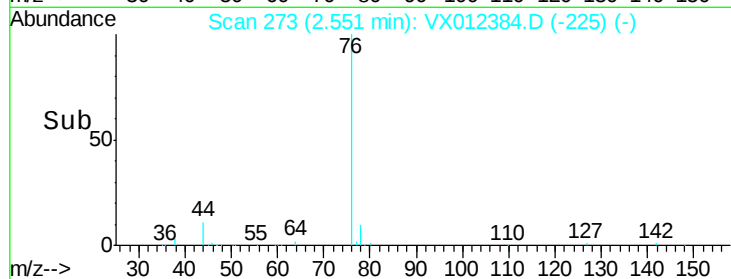
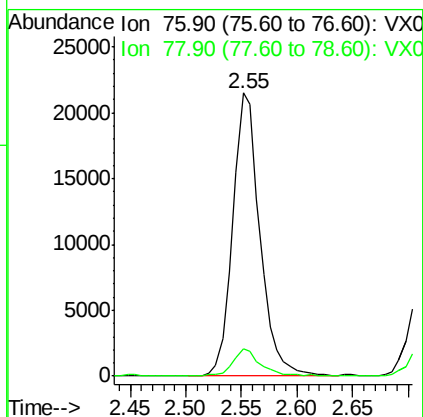
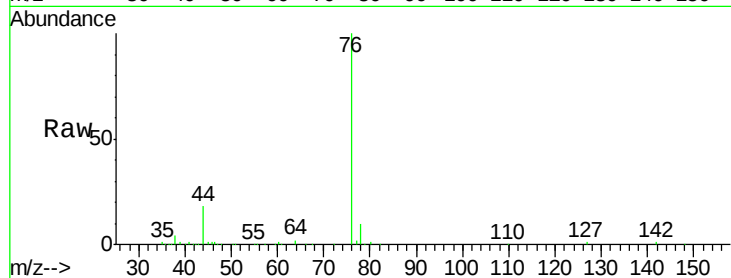
78 9.6 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 20.288 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012384.D

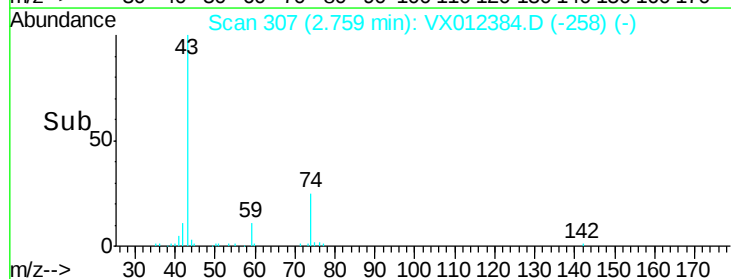
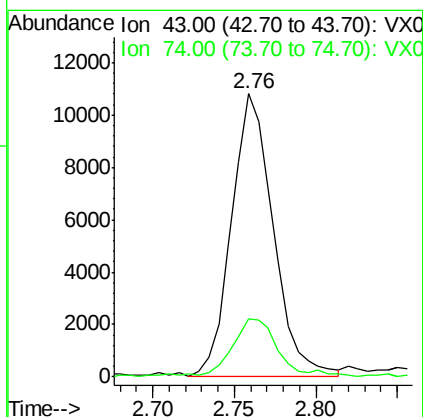
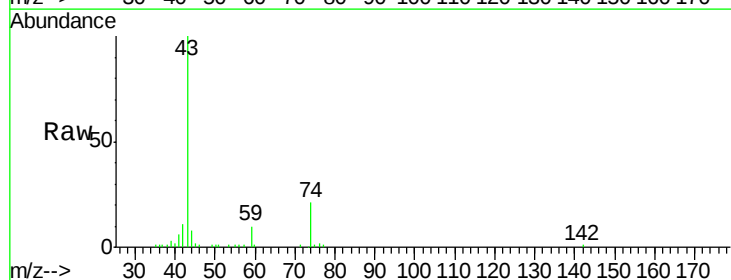
Acq: 13 Sep 2019 14:01

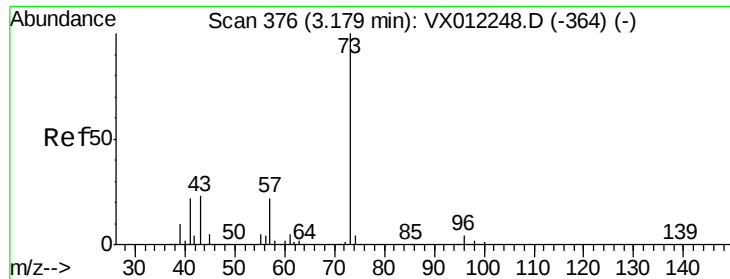
Tgt Ion: 43 Resp: 19363

Ion Ratio Lower Upper

43 100

74 22.2 18.3 27.5





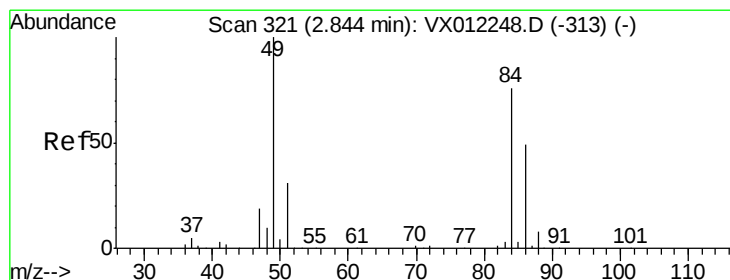
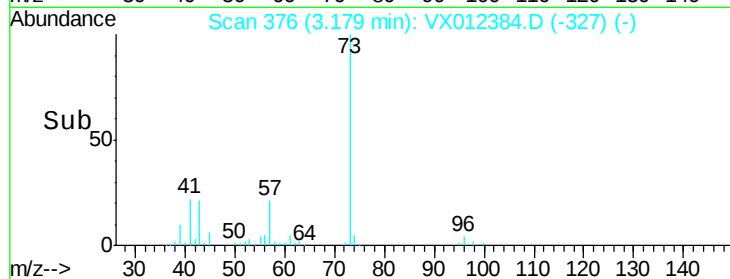
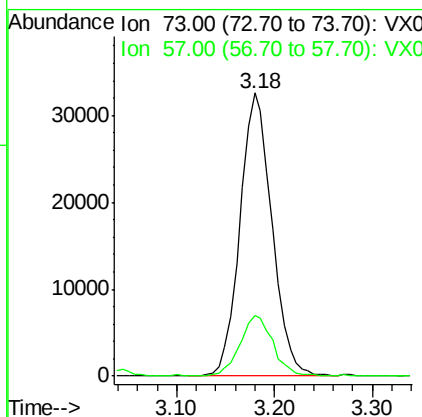
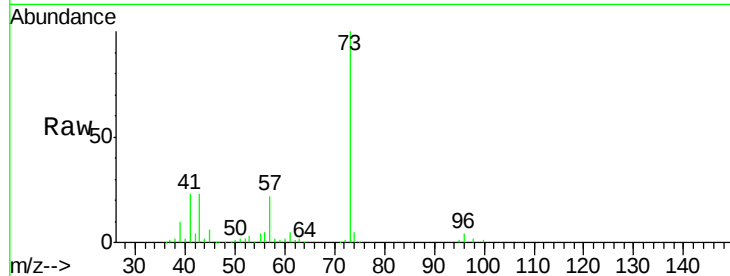
#19
Methyl tert-butyl Ether
Concen: 18.200 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.7	26.5

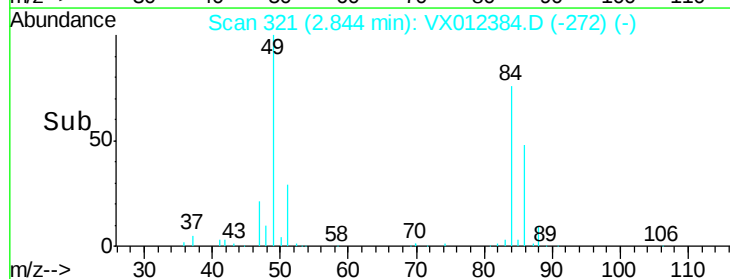
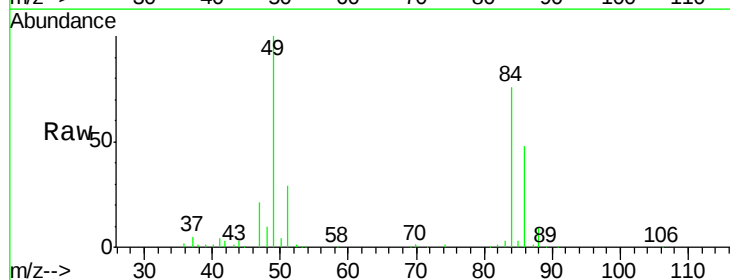
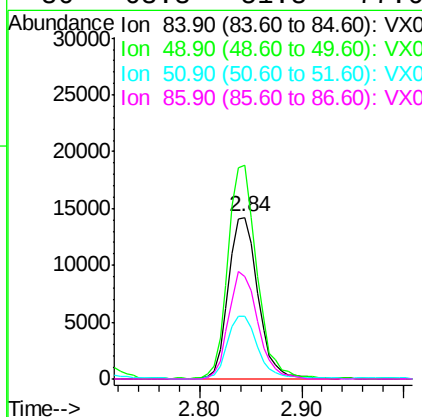
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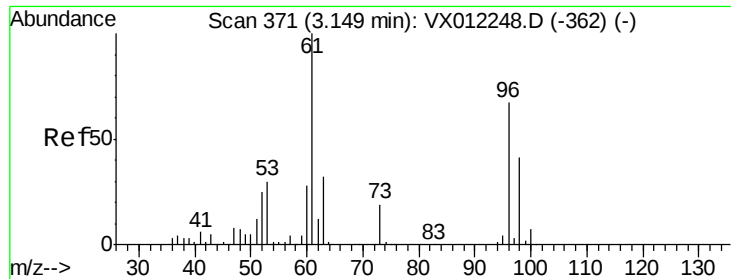
MMDadoda
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#20
Methylene Chloride
Concen: 18.492 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.2	105.0	157.6
51	38.7	32.6	48.8
86	63.3	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 19.126 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

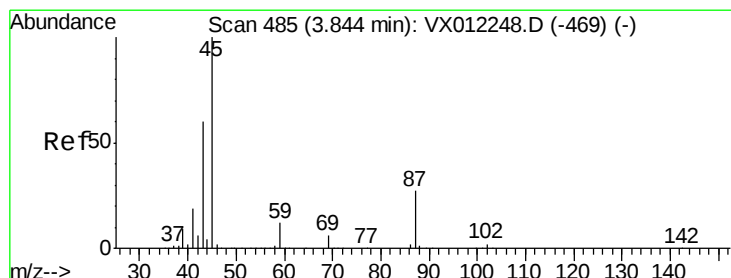
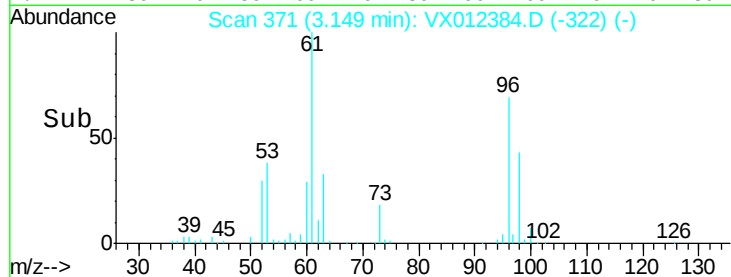
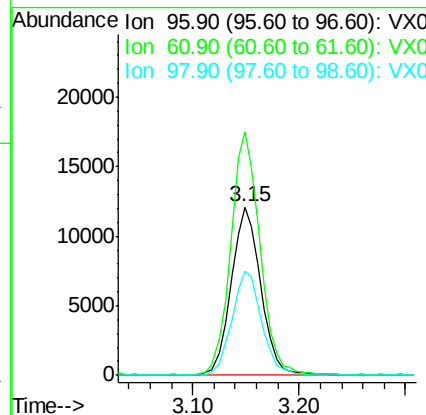
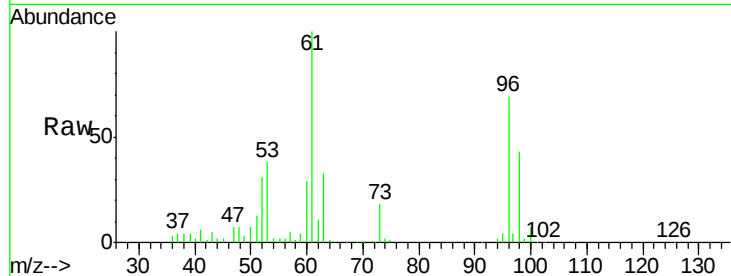
ClientSampleId :

VX0913SBS03

Tot Ion:	96	Resp:	23426
Ion	Ratio	Lower	Upper
96	100		
61	144.6	119.4	179.2
98	62.2	48.4	72.6

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#22

Diisopropyl ether

Concen: 18.092 ug/l

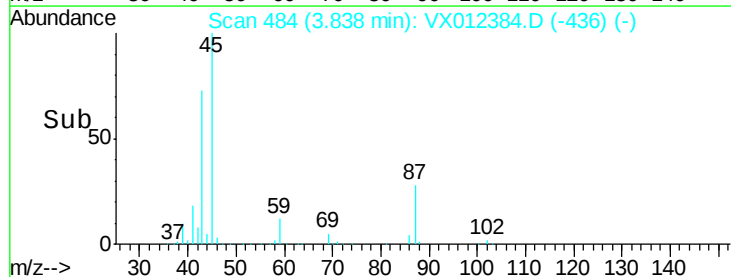
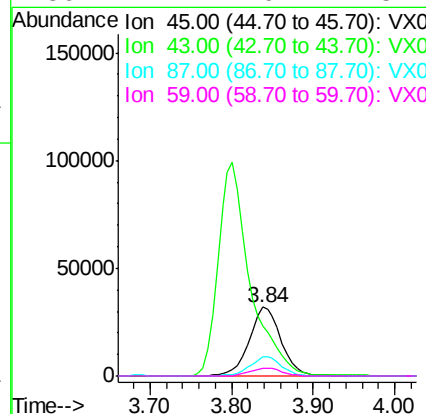
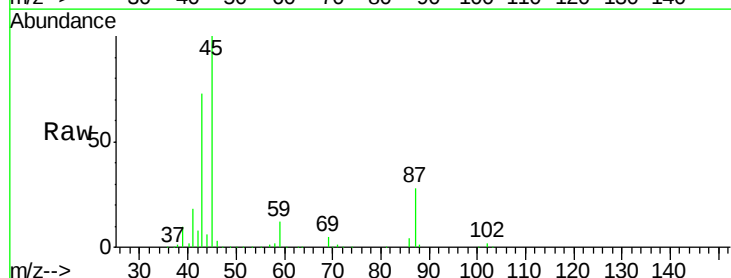
RT: 3.84 min Scan# 484

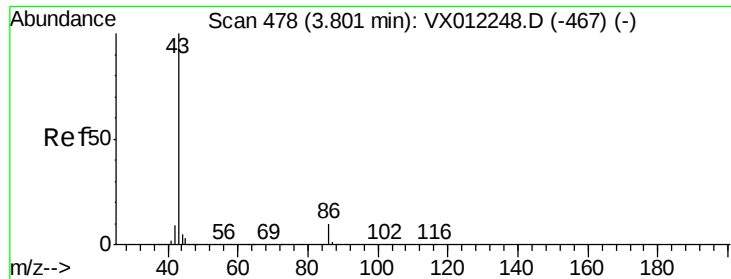
Delta R.T. -0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Tgt Ion:	45	Resp:	86601
Ion	Ratio	Lower	Upper
45	100		
43	71.8	48.3	72.5
87	27.7	21.8	32.8
59	12.2	9.1	13.7





#23

Vinyl Acetate

Concen: 92.737 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 43 Resp: 272357

Ion Ratio Lower Upper

43 100

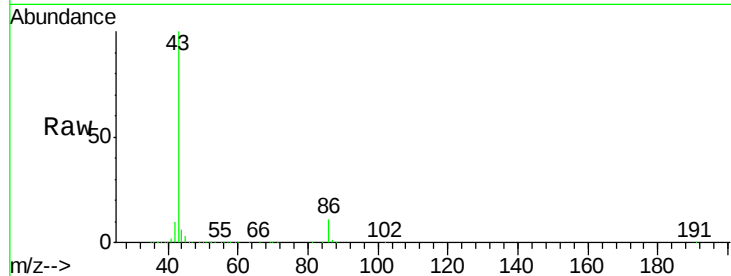
86 11.0 8.3 12.5

Manual Integrations

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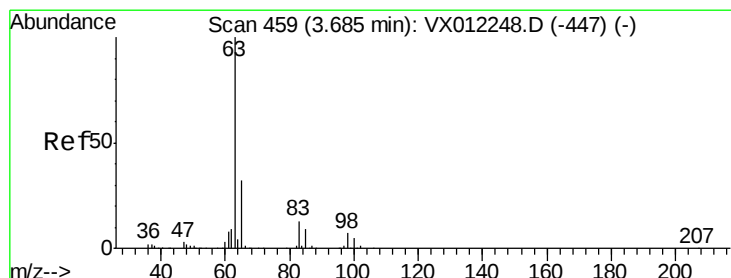
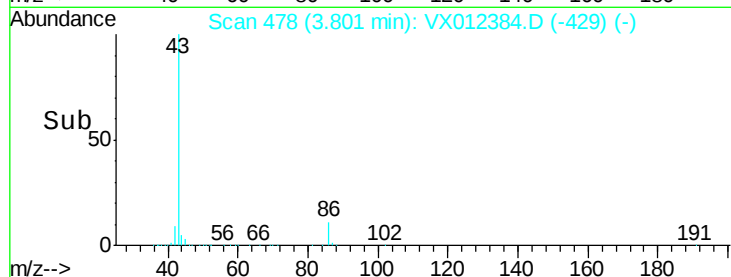
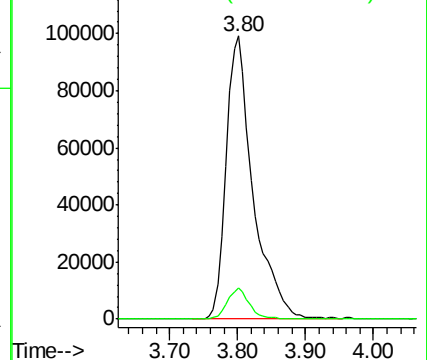
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.945 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

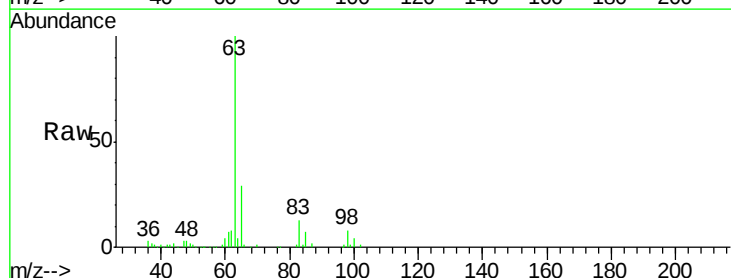
Tgt Ion: 63 Resp: 48576

Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.1

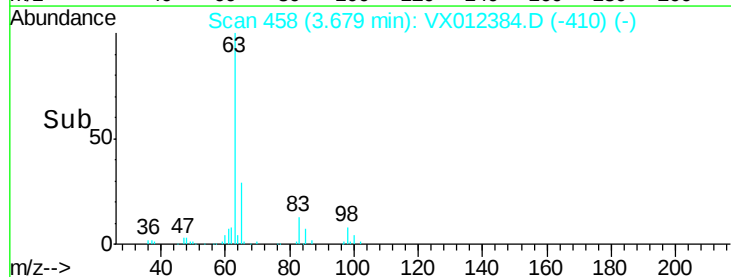
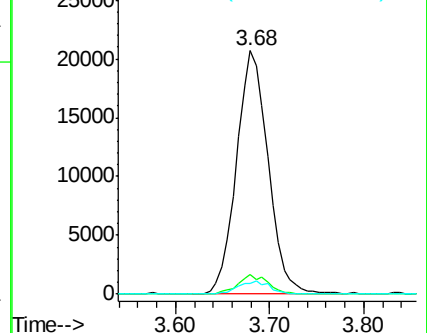
100 4.4 2.4 7.2

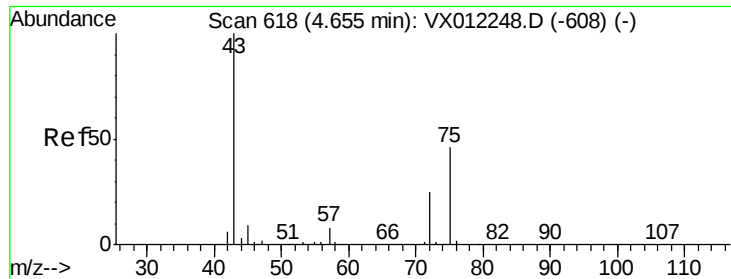


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 97.975 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 43 Resp: 56872

Ion Ratio Lower Upper

43 100

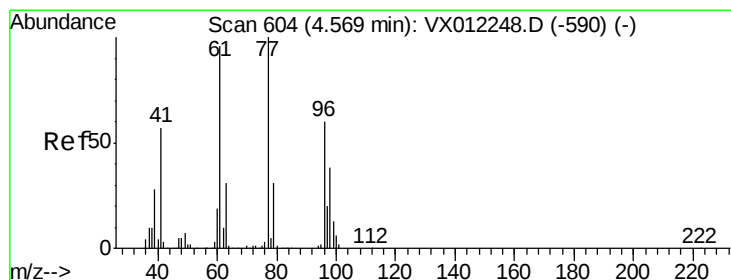
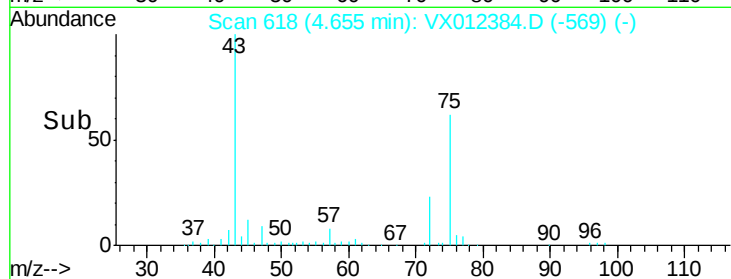
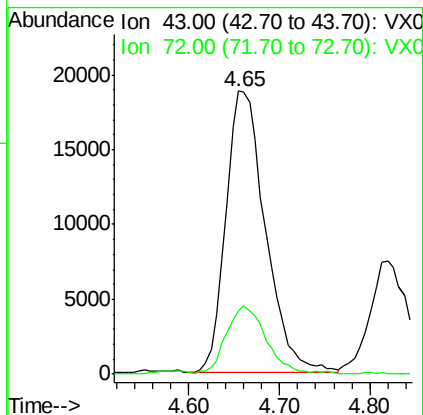
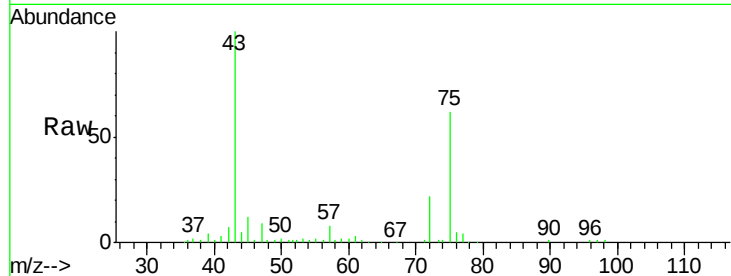
72 22.2 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.308 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012384.D

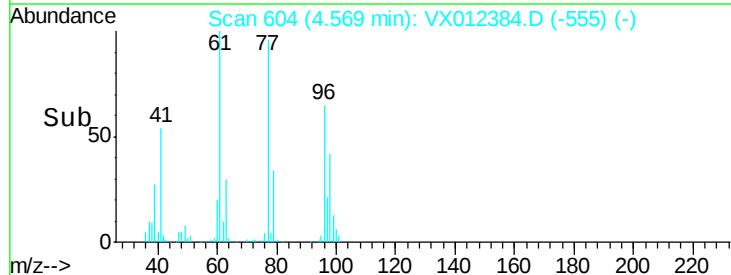
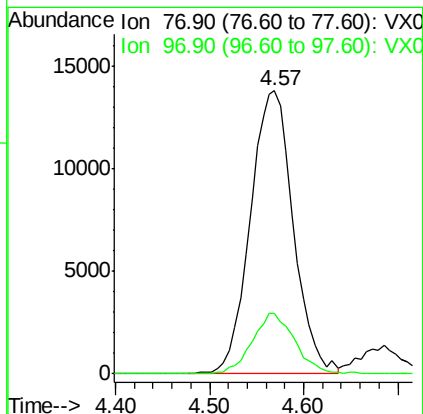
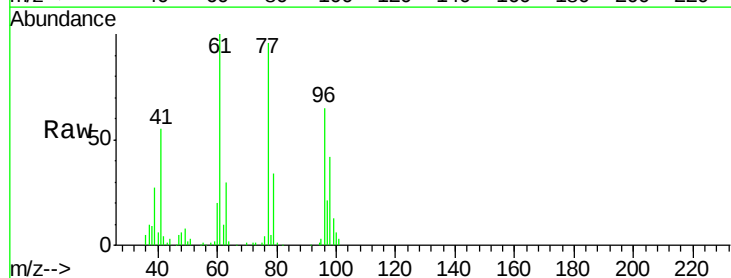
Acq: 13 Sep 2019 14:01

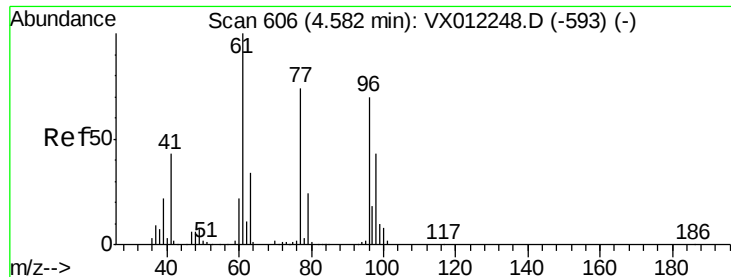
Tgt Ion: 77 Resp: 44072

Ion Ratio Lower Upper

77 100

97 21.3 10.7 32.1





#27

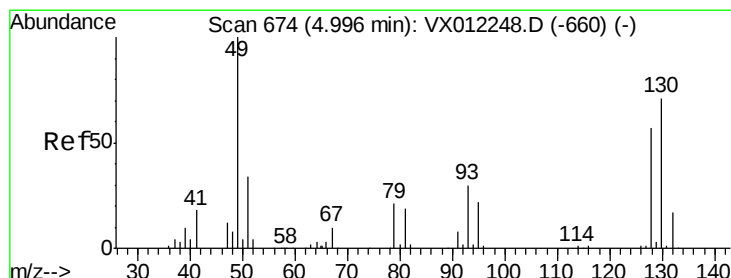
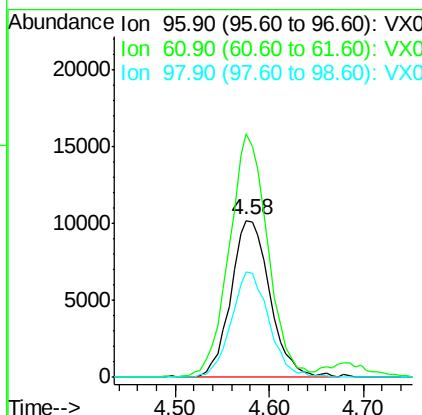
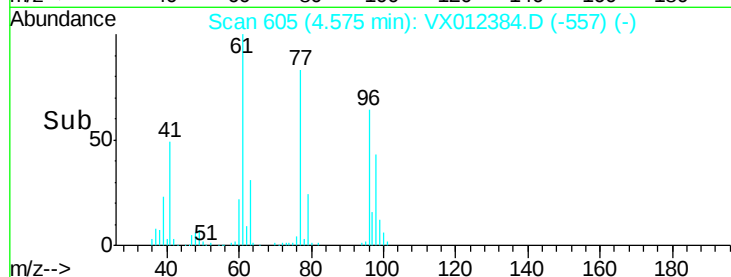
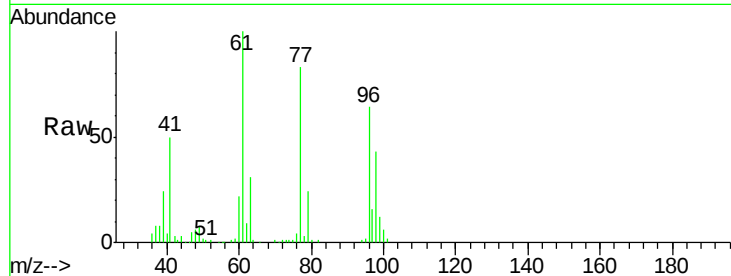
cis-1,2-Dichloroethene
Concen: 18.638 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.2	0.0	310.4	
98	64.7	0.0	128.8	

Manual Integrations
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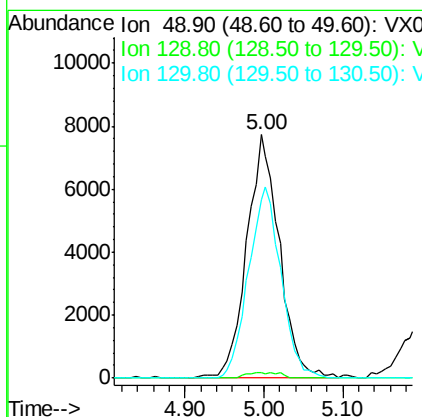
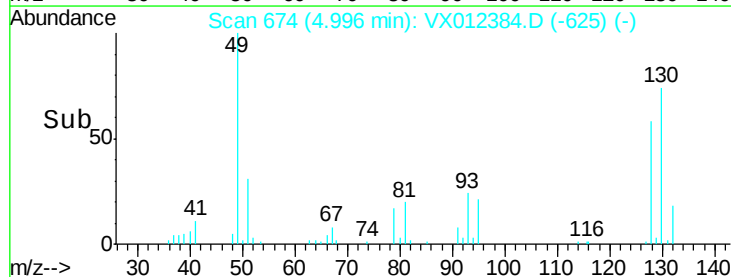
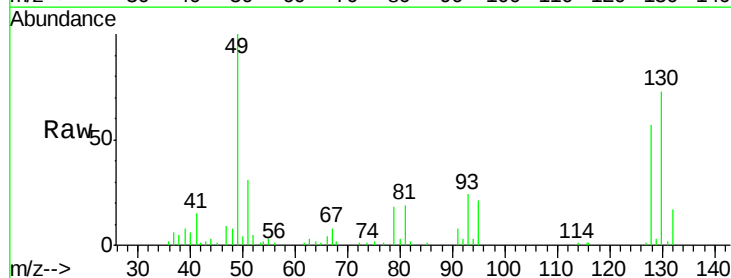
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9/16/2019 1:13:08 AM

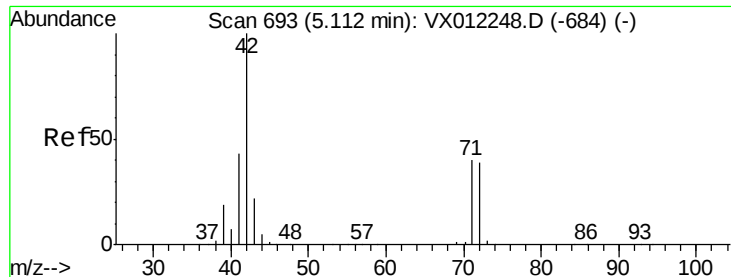


#28

Bromochloromethane
Concen: 18.450 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	5.2	
130	77.9	60.1	90.1	





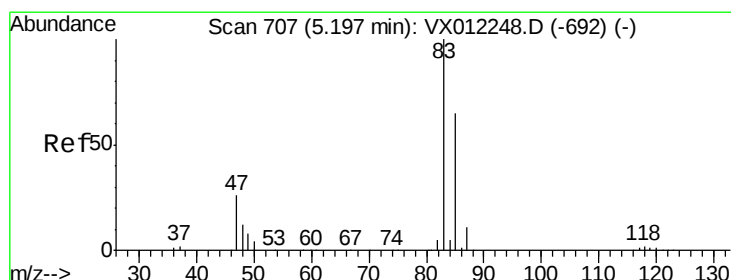
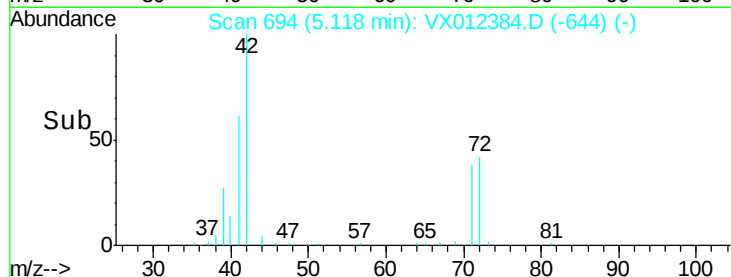
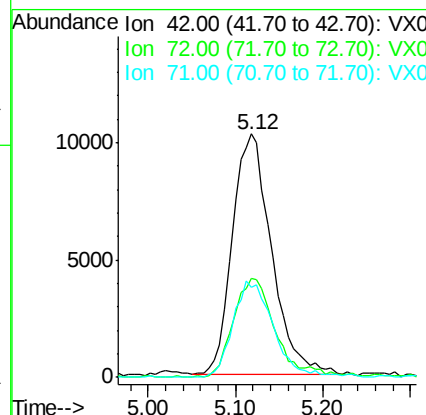
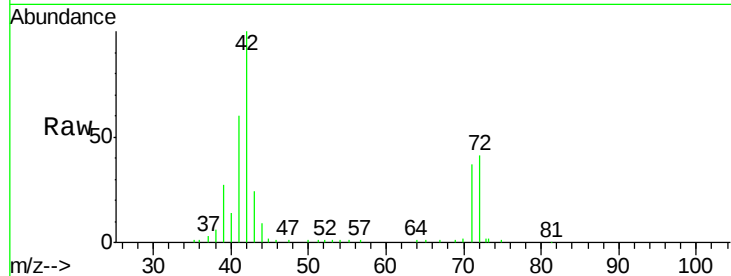
#29
Tetrahydrofuran
Concen: 102.388 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.2	52.8
71	40.8	32.5	48.7

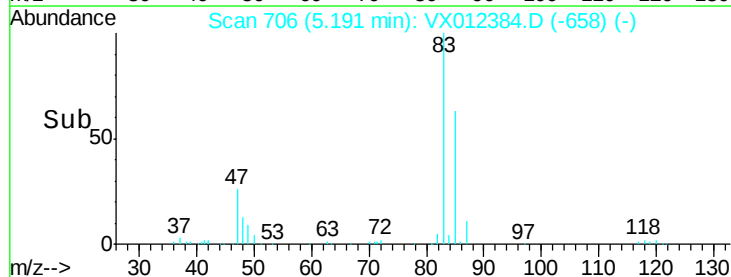
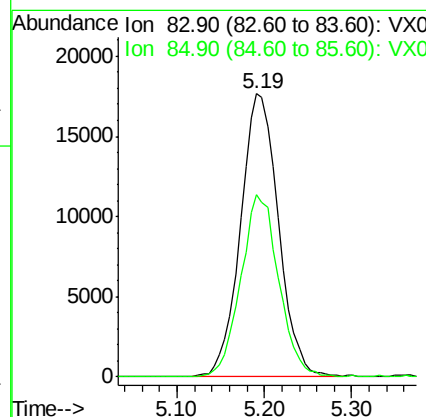
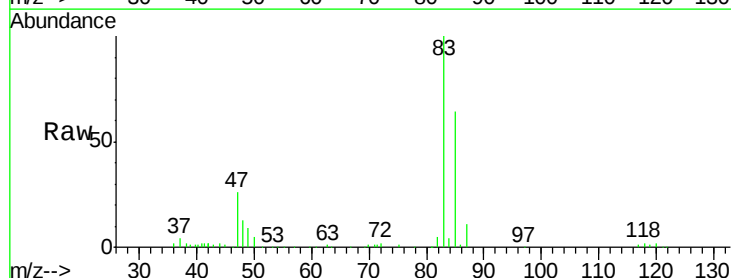
Manual Integrations
APPROVED

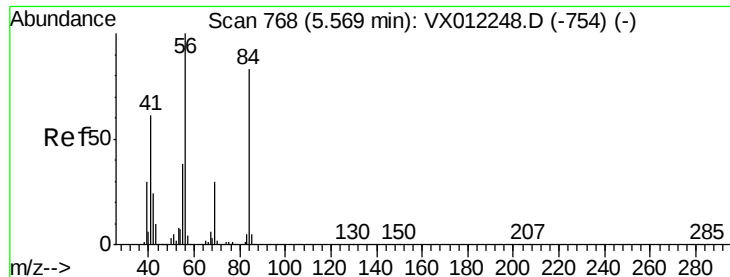
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#30
Chloroform
Concen: 18.410 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.3	78.5





#31

Cyclohexane

Concen: 18.605 ug/l

RT: 5.56 min Scan# 766

Delta R.T. -0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

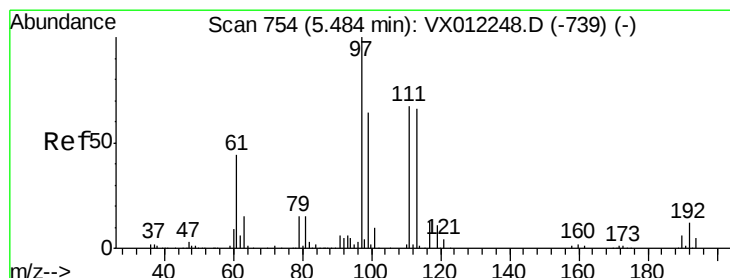
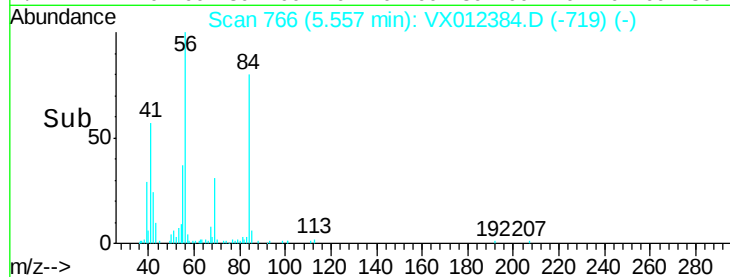
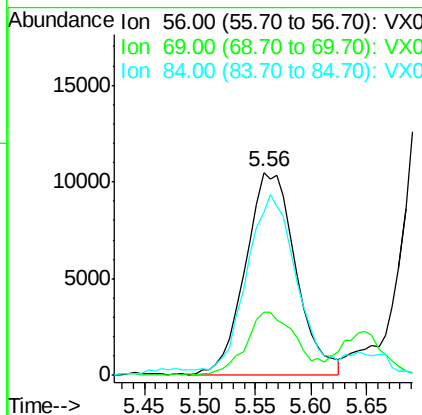
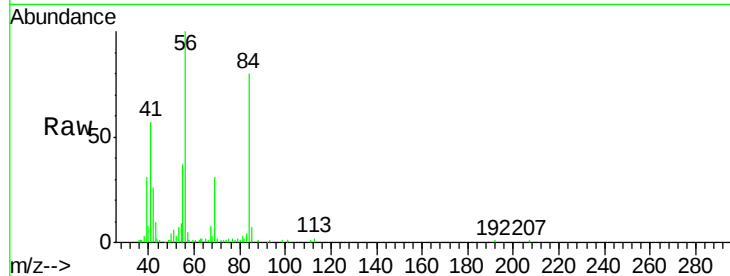
ClientSampleId :

VX0913SBS03

Tot Ion:	56	Resp:	33136
Ion Ratio	Lower	Upper	
56	100		
69	30.3	23.8	35.6
84	77.7	66.6	100.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.033 ug/l

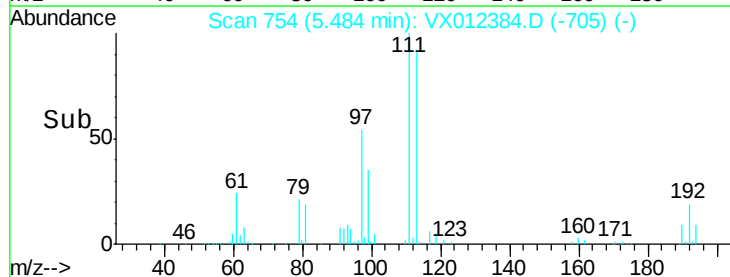
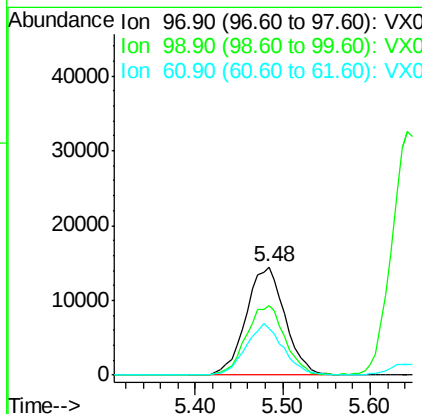
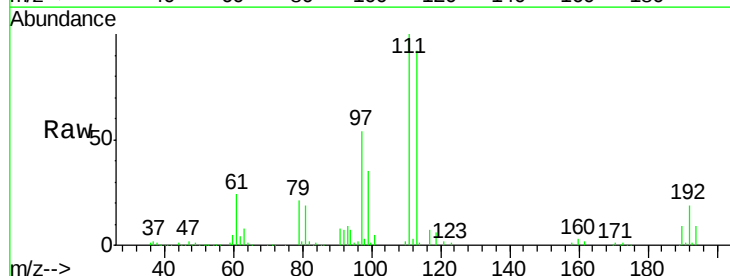
RT: 5.48 min Scan# 754

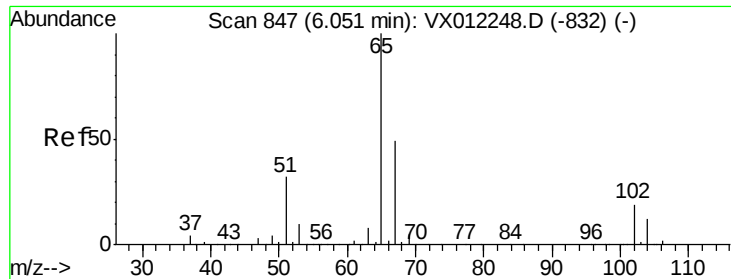
Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Tgt Ion:	97	Resp:	44769
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.3	76.9
61	45.4	35.4	53.0





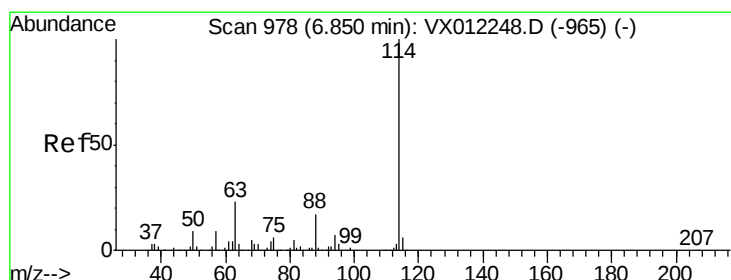
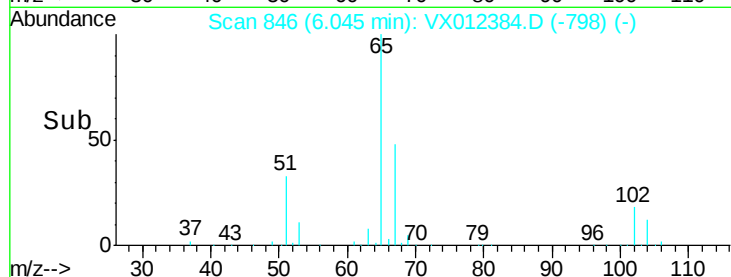
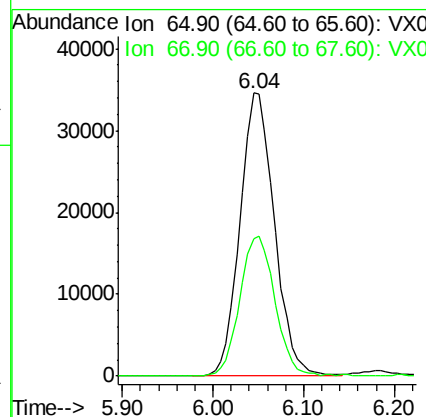
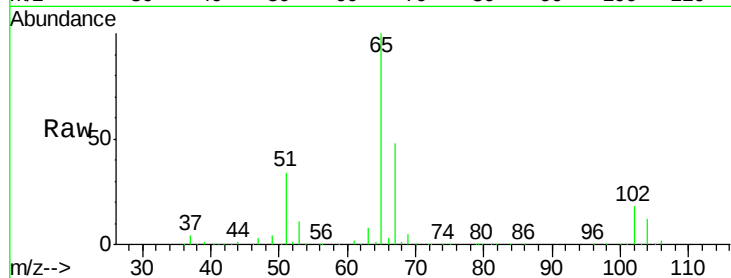
#33
 1,2-Dichloroethane-d4
 Concen: 47.524 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	91157		
67	50.2	0.0	99.8	

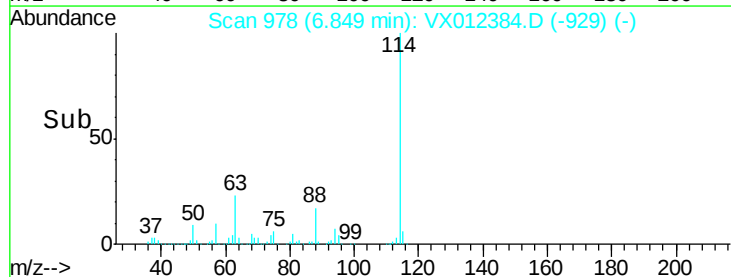
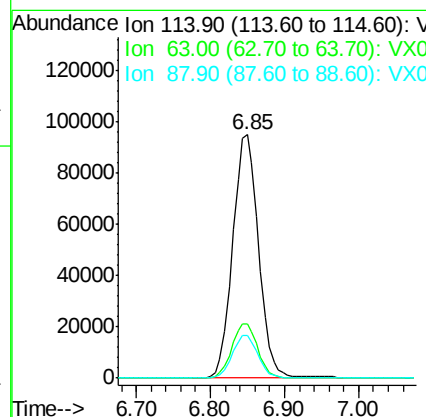
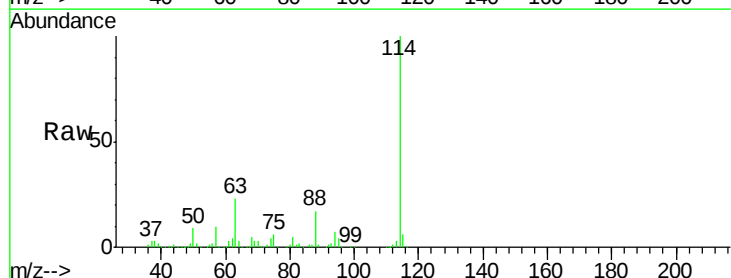
Manual Integrations
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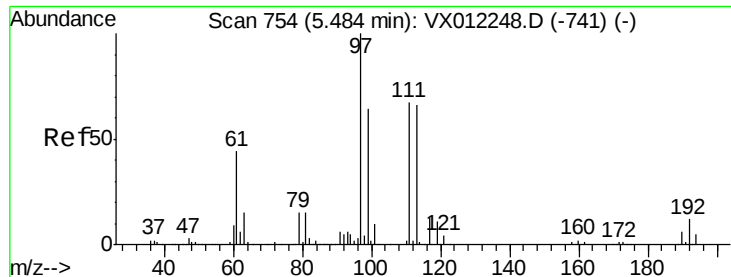
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	231544		
63	22.5	0.0	45.2	
88	17.4	0.0	34.8	





#35

Dibromofluoromethane

Concen: 48.844 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

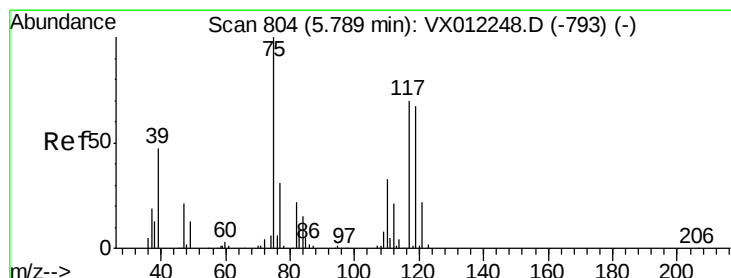
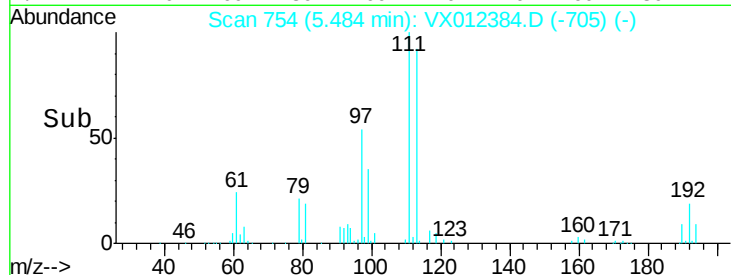
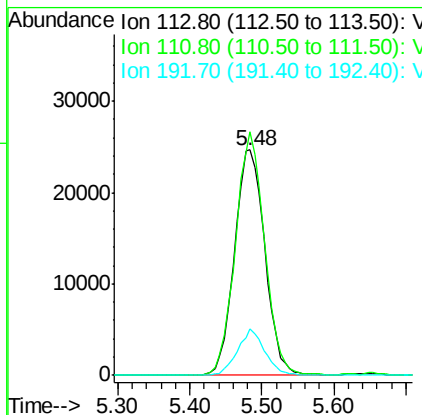
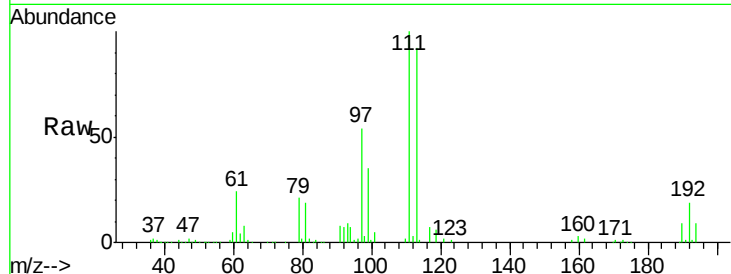
ClientSampleId :

VX0913SBS03

Tot Ion:	113	Resp:	72500
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.0	124.6
192	18.4	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 19.368 ug/l

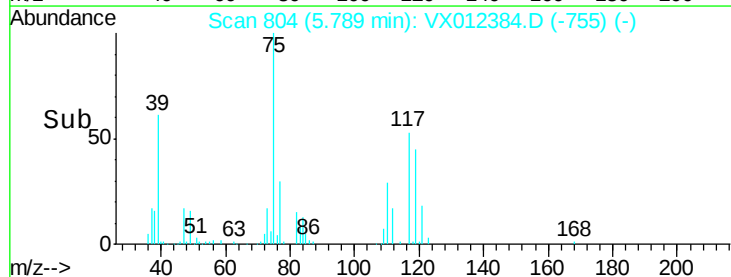
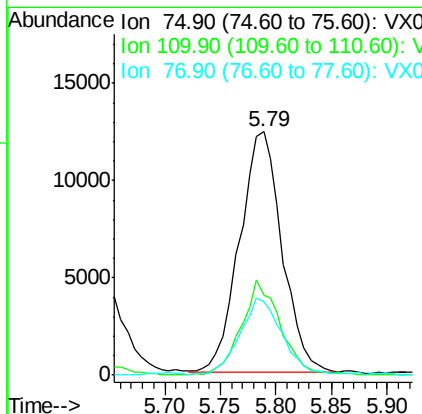
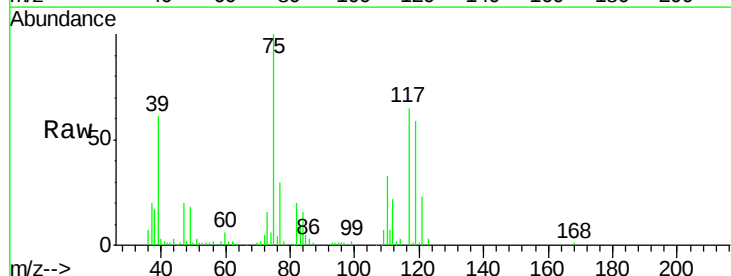
RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Tgt Ion:	75	Resp:	32700
Ion	Ratio	Lower	Upper
75	100		
110	36.6	16.8	50.4
77	32.2	24.5	36.7





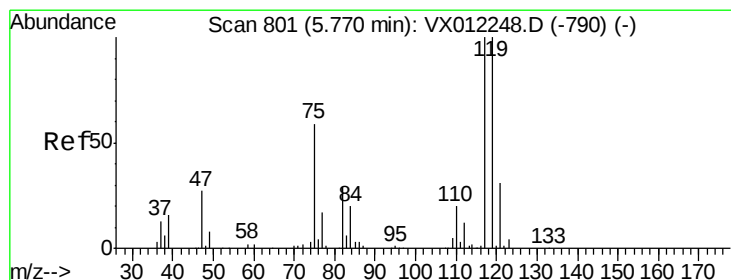
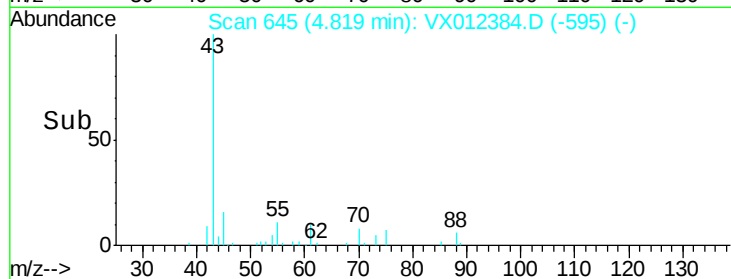
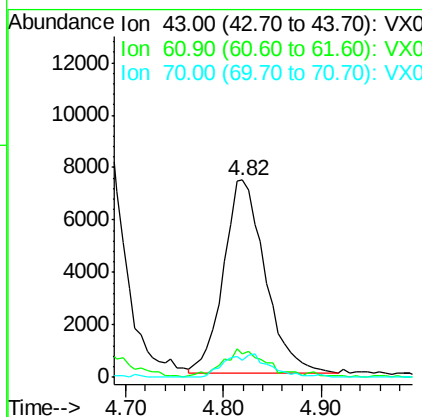
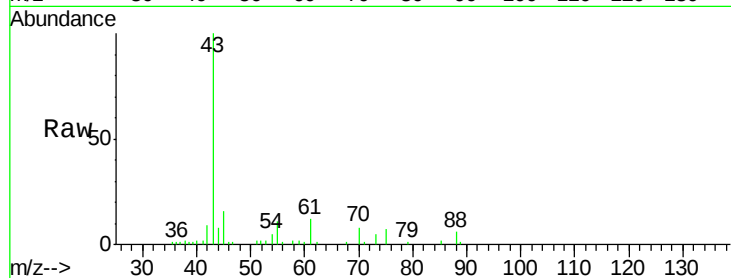
#37
Ethyl Acetate
Concen: 21.017 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.3	15.5
70	5.8	9.1	13.7

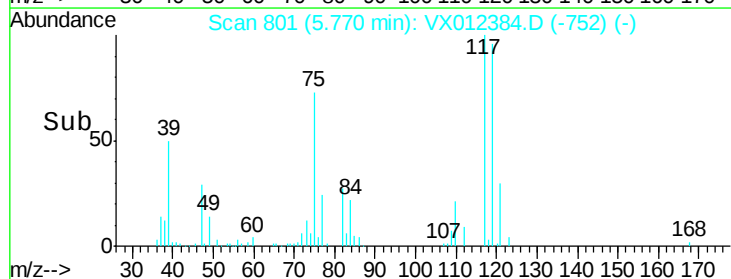
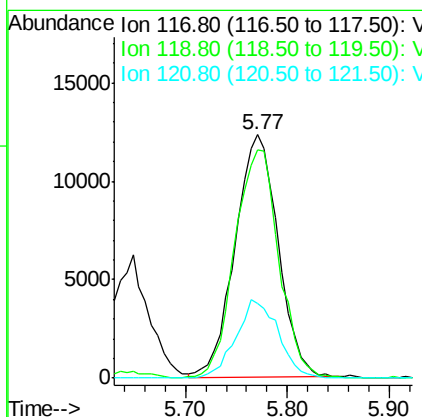
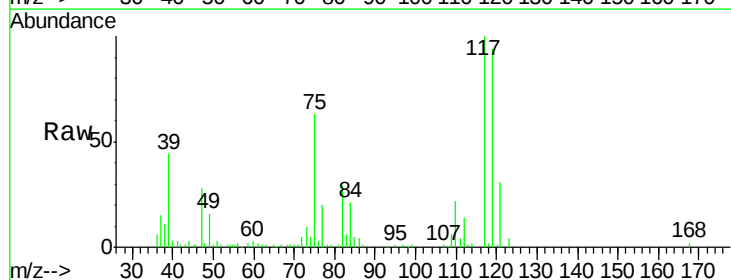
Manual Integrations
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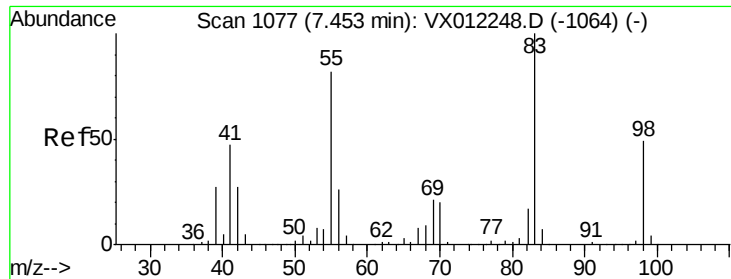
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#38
Carbon Tetrachloride
Concen: 18.302 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	79.6	119.4
121	30.7	24.7	37.1





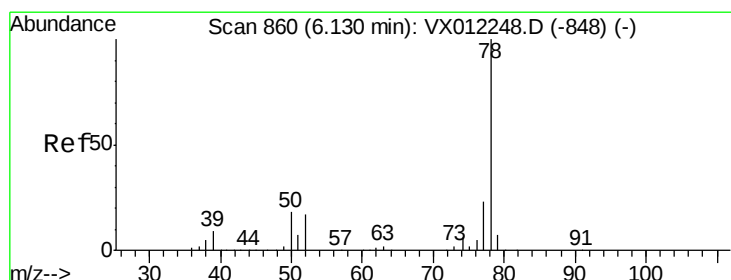
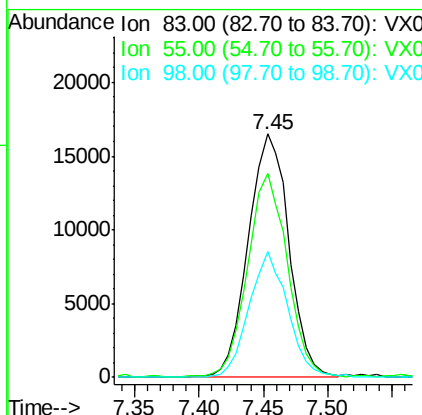
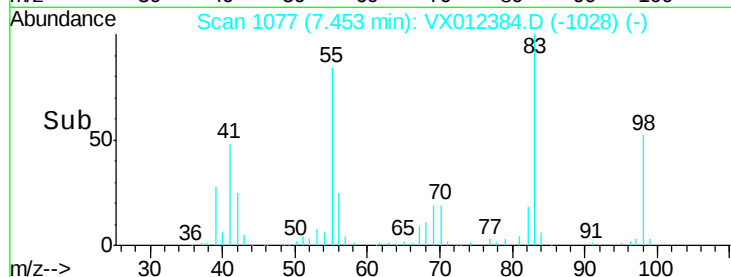
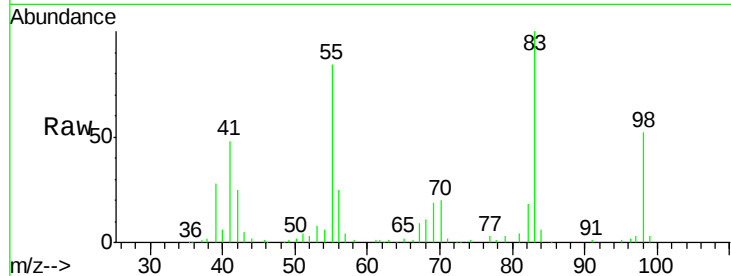
#39
Methvlcvclohexane
Concen: 19.496 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	65.4	98.2
98	51.9	39.6	59.4

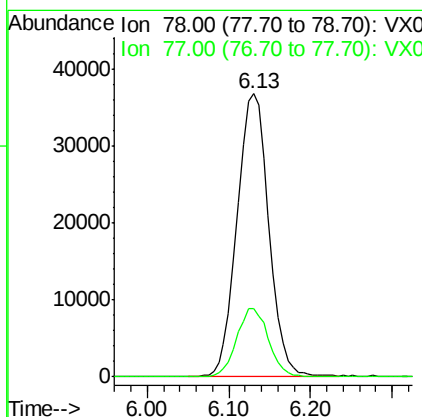
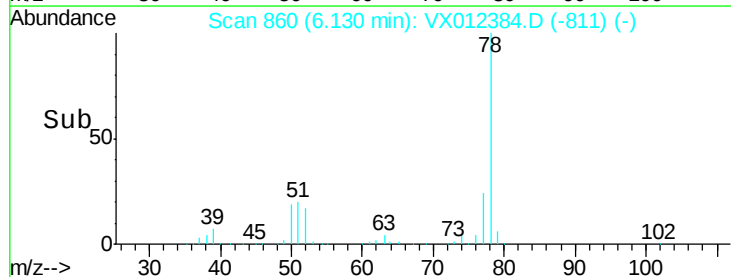
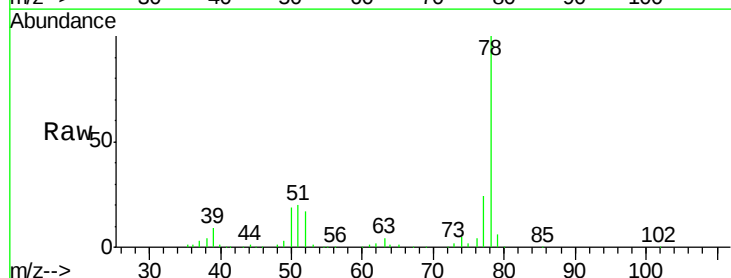
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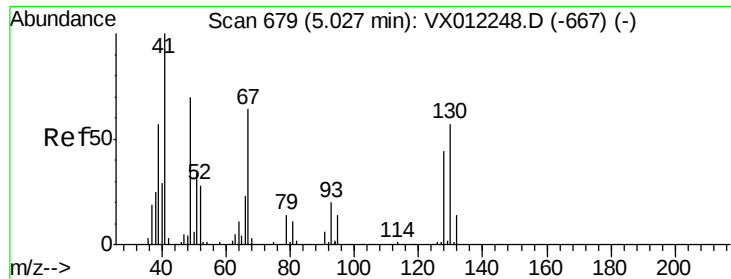
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#40
Benzene
Concen: 19.484 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.0	27.0





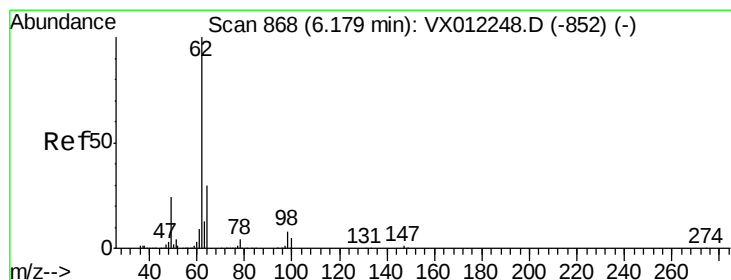
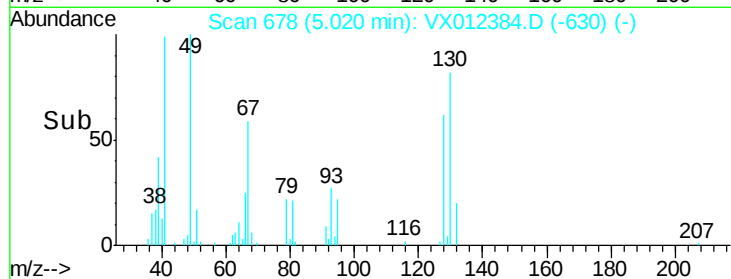
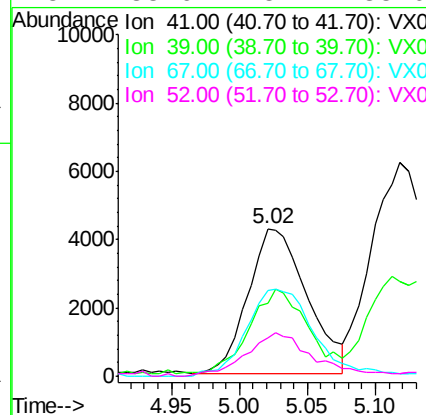
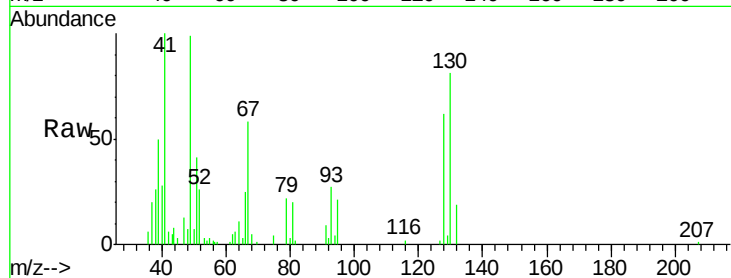
#41
Methacrylonitrile
Concen: 20.169 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.0	49.0	73.4
67	68.1	55.0	82.4
52	33.6	25.4	38.0

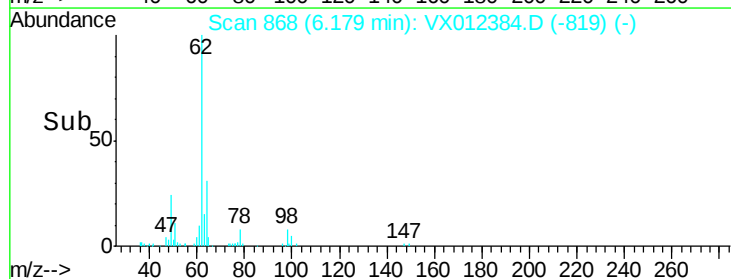
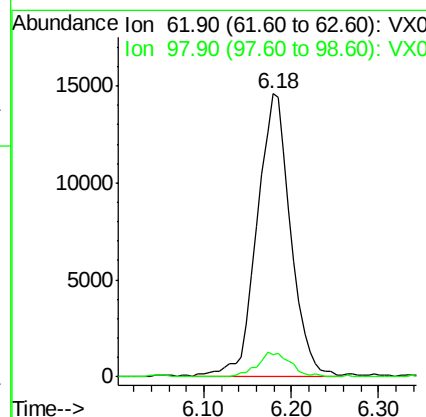
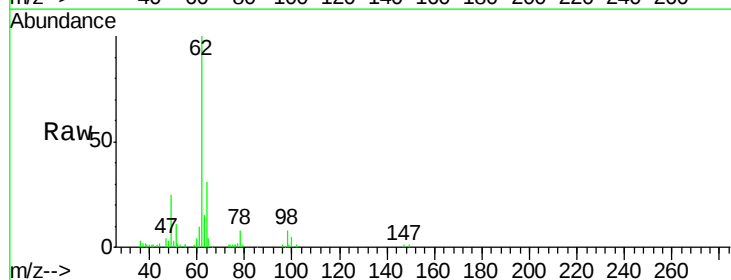
Manual Integrations
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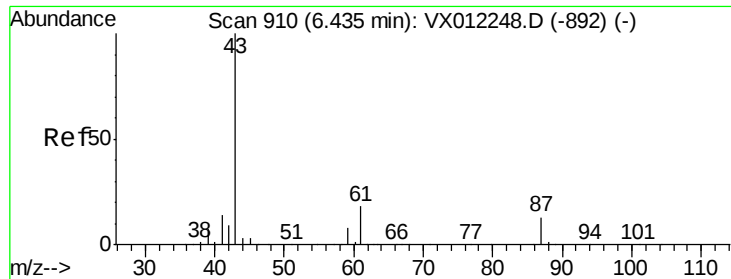
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#42
1,2-Dichloroethane
Concen: 19.417 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

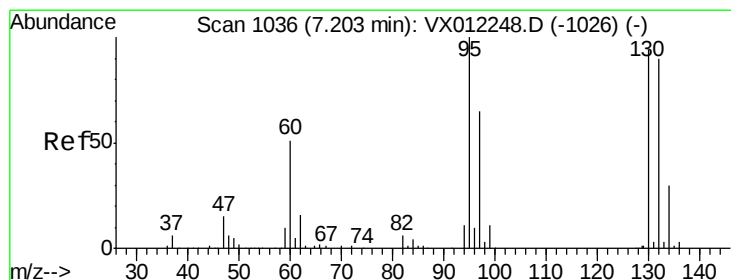
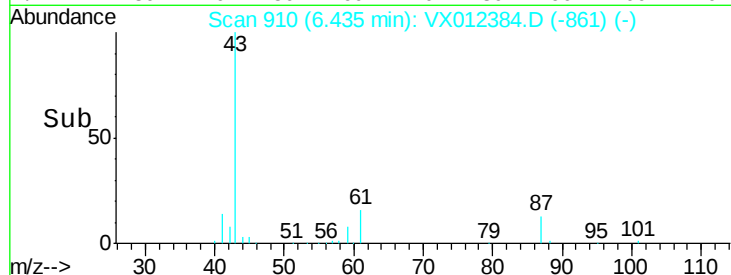
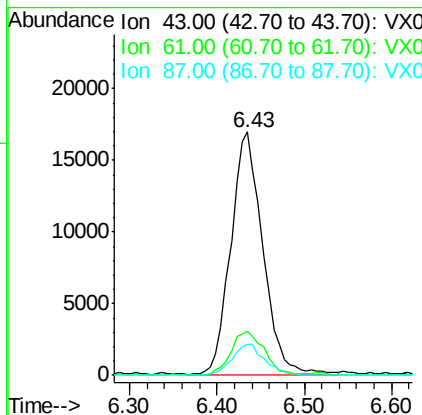
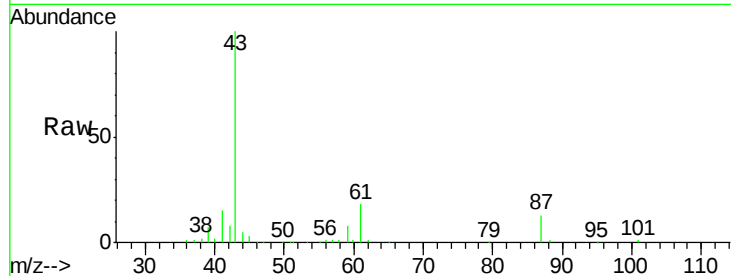
Isopropyl Acetate
 Concen: 19.547 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.2
87	13.0	10.5	15.7

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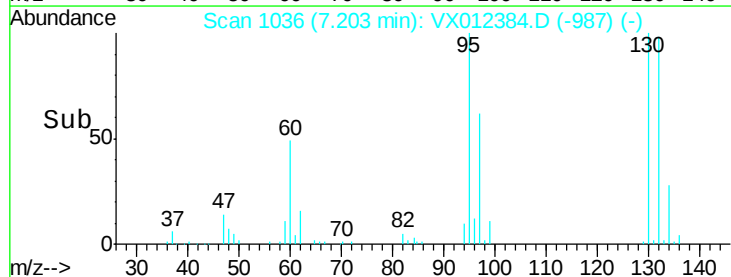
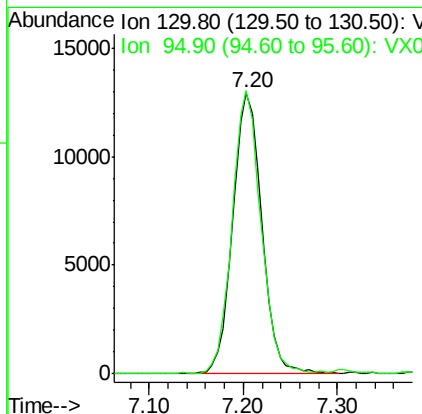
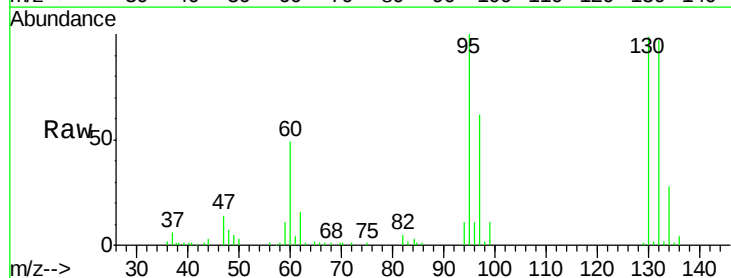
MMDadoda
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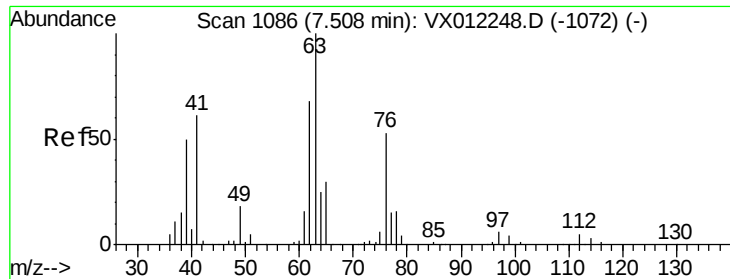


#44

Trichloroethene
 Concen: 20.117 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	212.0





#45

1,2-Dichloropropane

Concen: 19.062 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 63 Resp: 26961

Ion Ratio Lower Upper

63 100

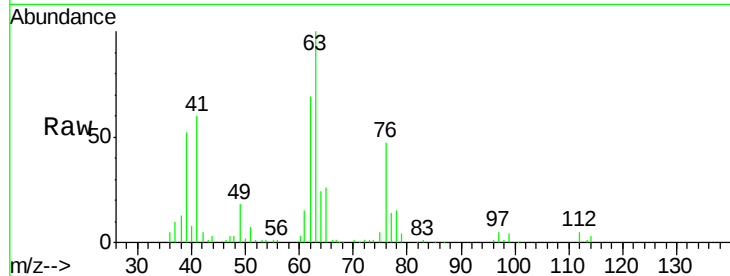
65 26.3 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

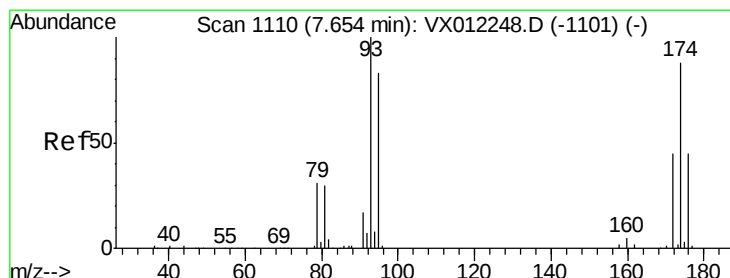
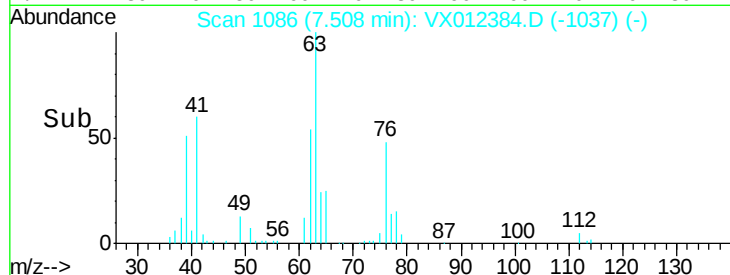
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 19.687 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

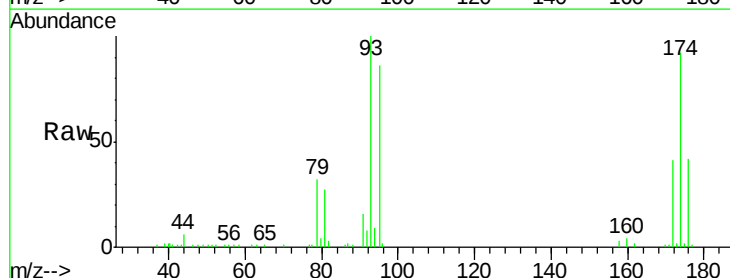
Tgt Ion: 93 Resp: 15219

Ion Ratio Lower Upper

93 100

95 84.4 65.7 98.5

174 92.4 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

10000

8000

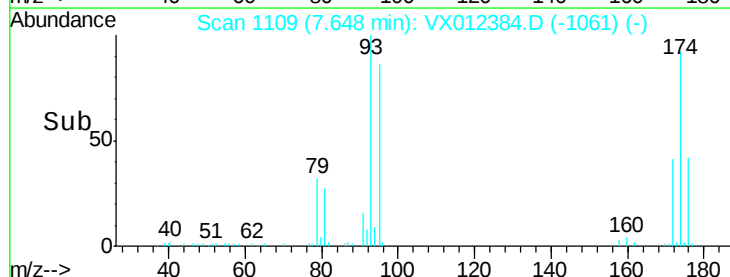
6000

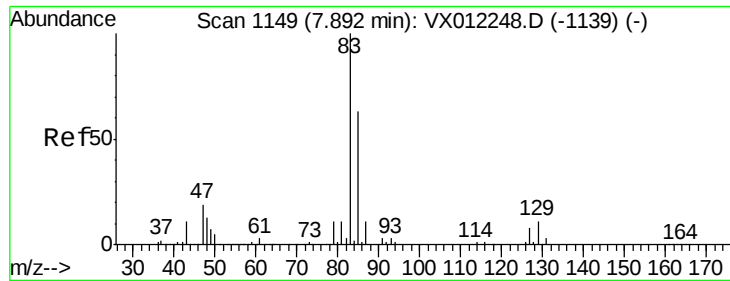
4000

2000

0

Time-->





#47

Bromodichloromethane

Concen: 18.039 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 83 Resp: 38055

Ion Ratio Lower Upper

83 100

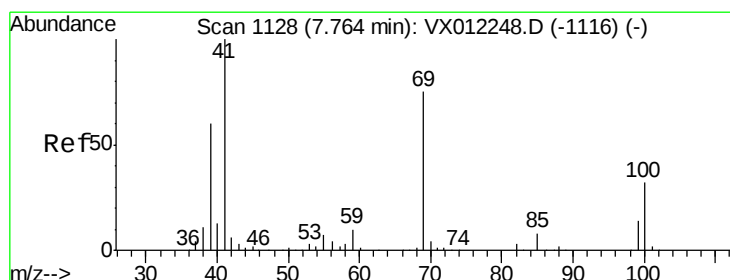
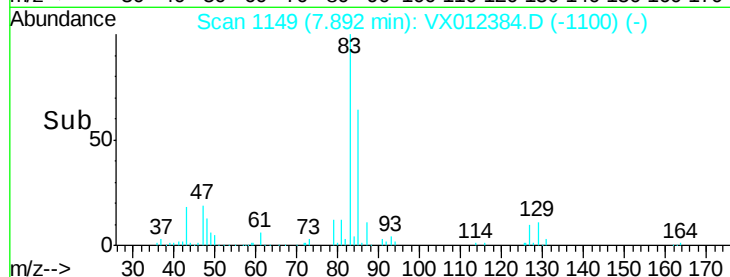
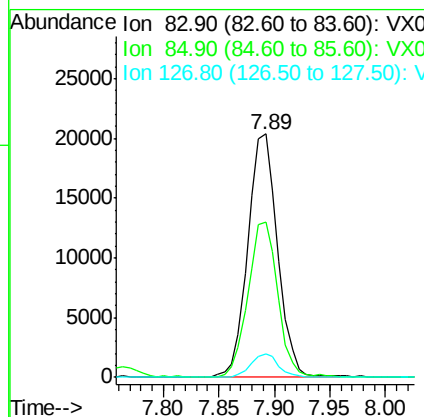
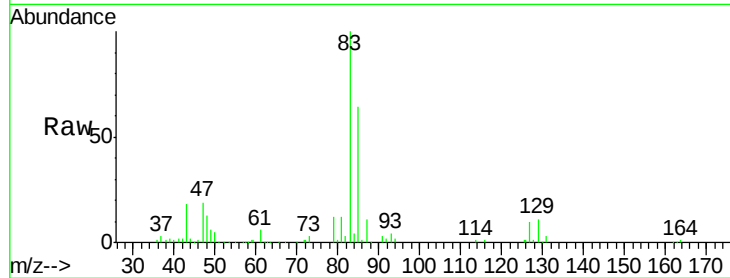
85 63.7 50.2 75.4

127 9.7 6.3 9.5#

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#48

Methyl methacrylate

Concen: 19.398 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

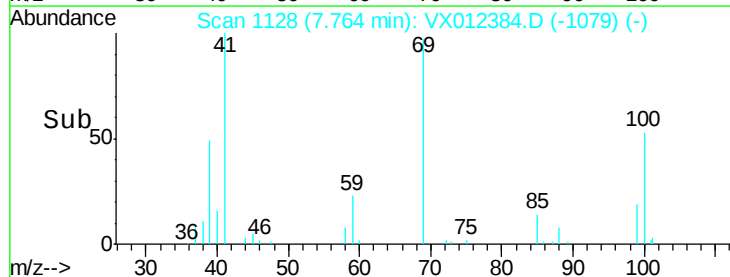
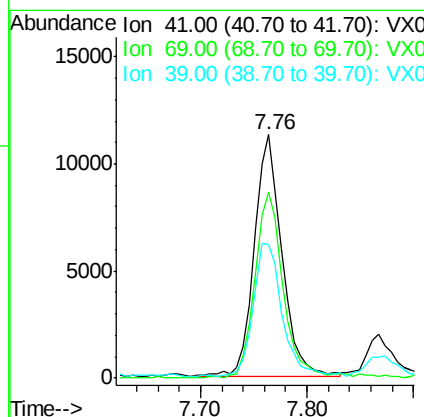
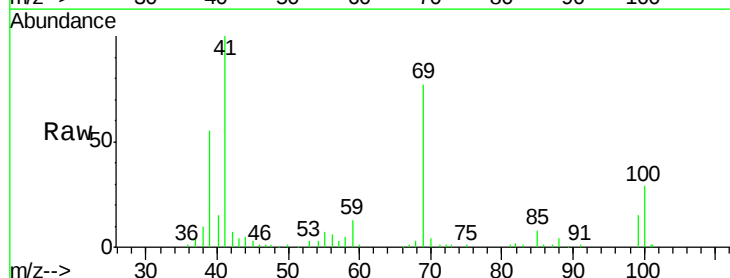
Tgt Ion: 41 Resp: 20430

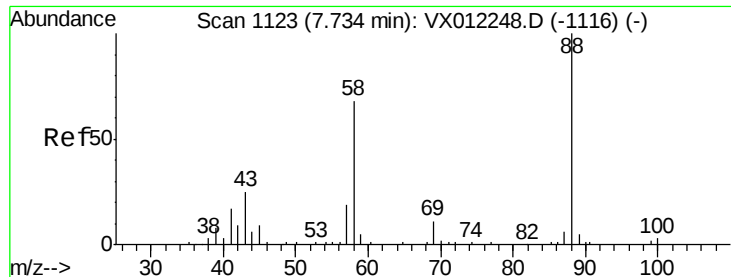
Ion Ratio Lower Upper

41 100

69 78.5 61.8 92.6

39 58.5 48.6 73.0





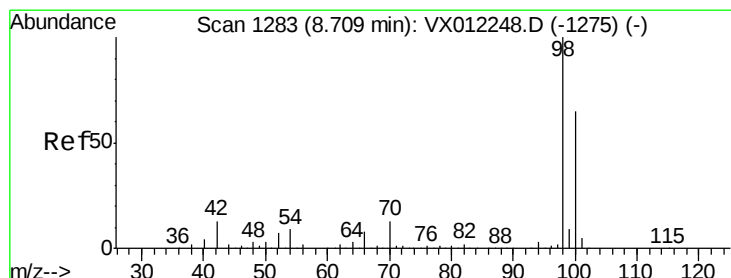
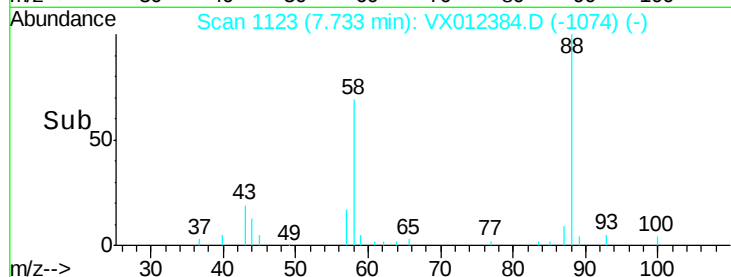
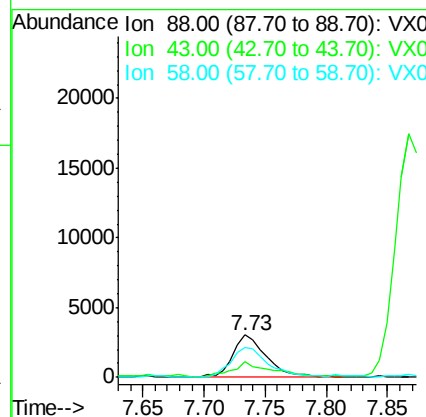
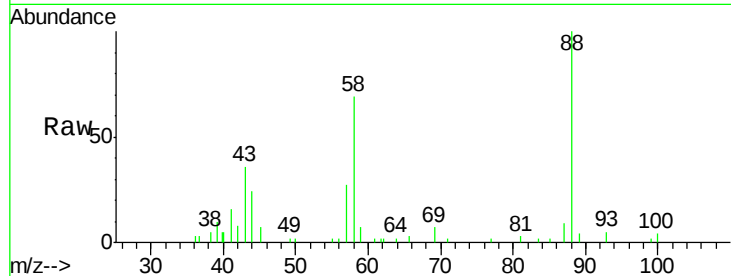
#49
1,4-Dioxane
Concen: 404.726 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.0	31.0	46.4#
58	80.6	61.5	92.3

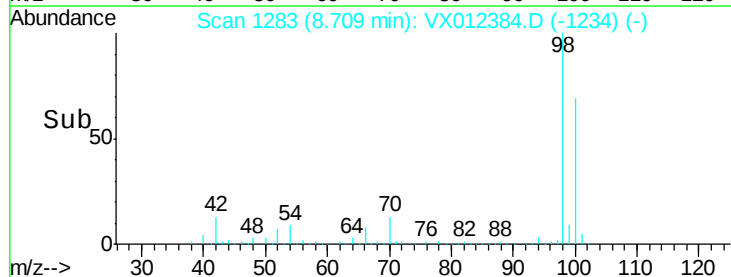
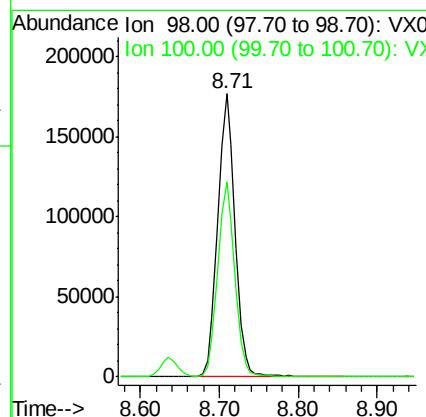
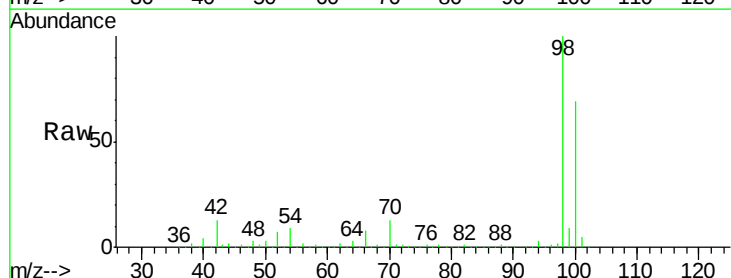
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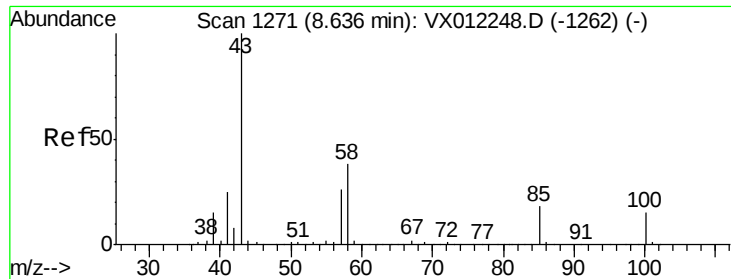
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#50
Toluene-d8
Concen: 52.533 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 101.579 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 43 Resp: 117965

Ion Ratio Lower Upper

43 100

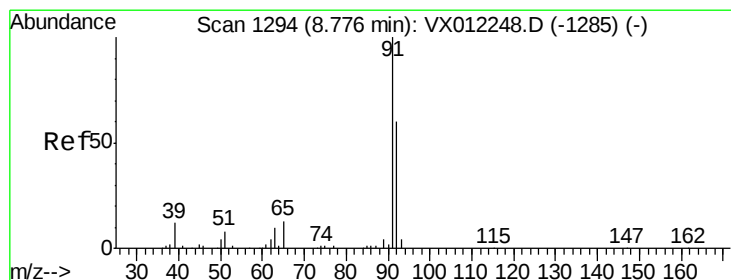
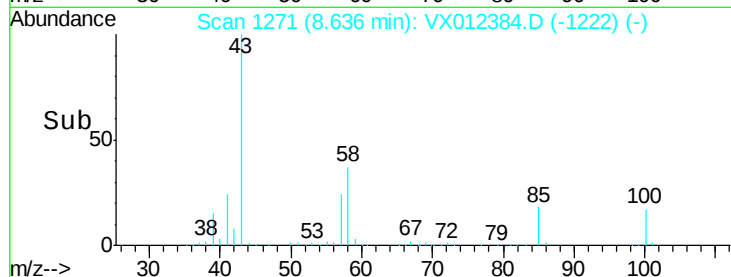
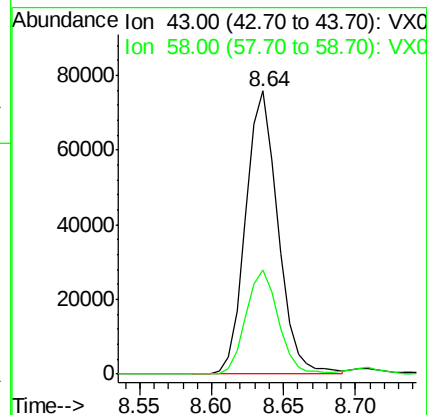
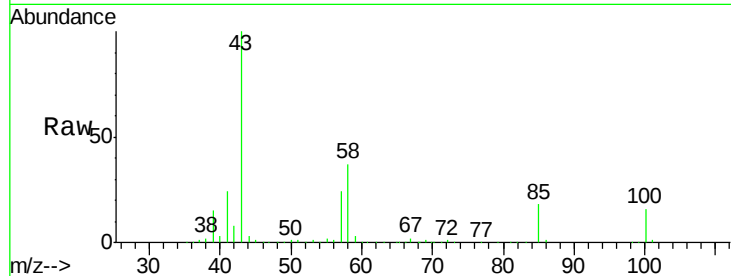
58 36.9 30.1 45.1

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#52

Toluene

Concen: 19.081 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012384.D

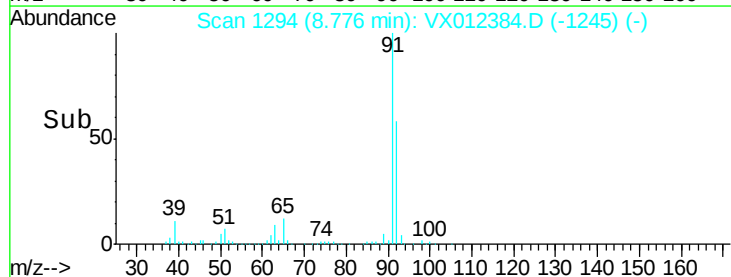
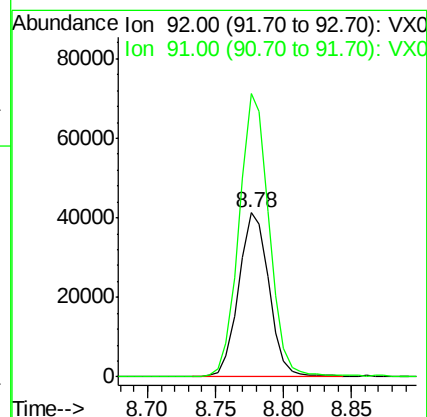
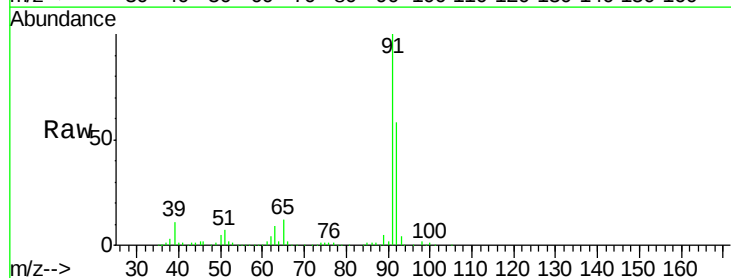
Acq: 13 Sep 2019 14:01

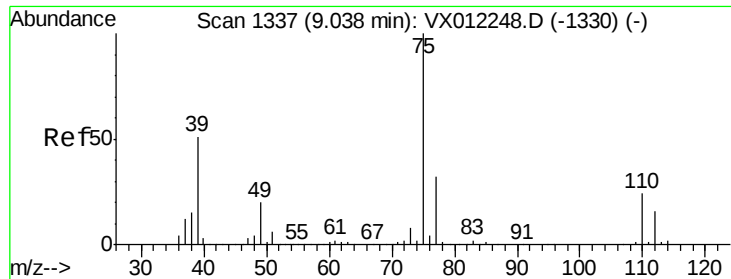
Tgt Ion: 92 Resp: 64402

Ion Ratio Lower Upper

92 100

91 171.0 133.6 200.4





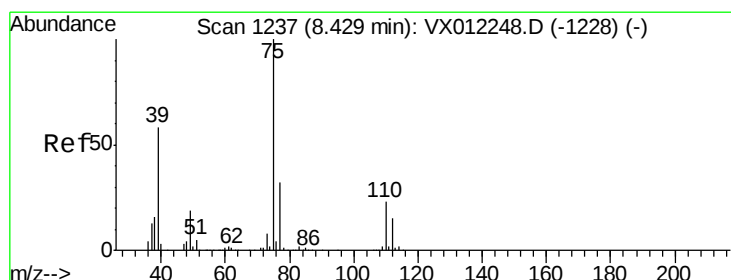
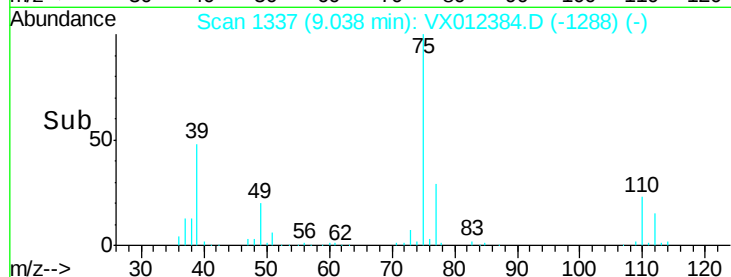
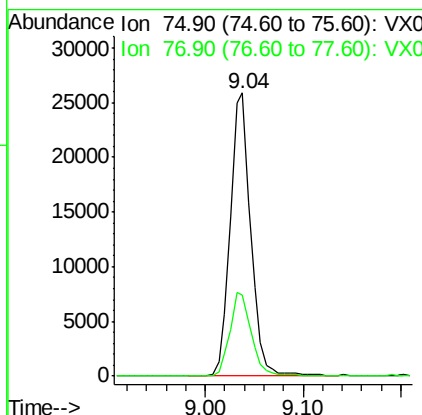
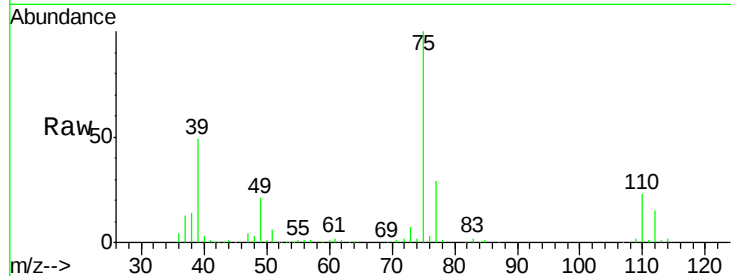
#53
 t-1,3-Dichloropropene
 Concen: 17.930 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.8	38.6

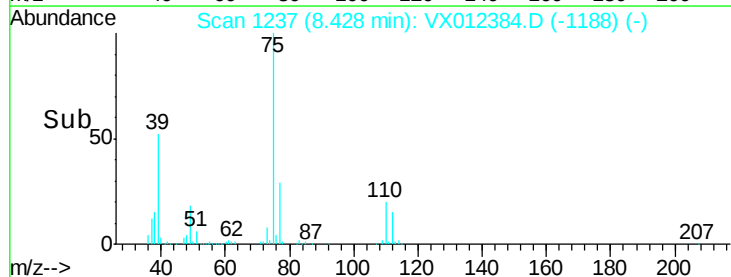
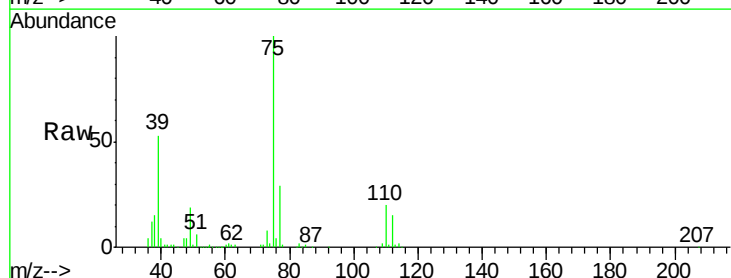
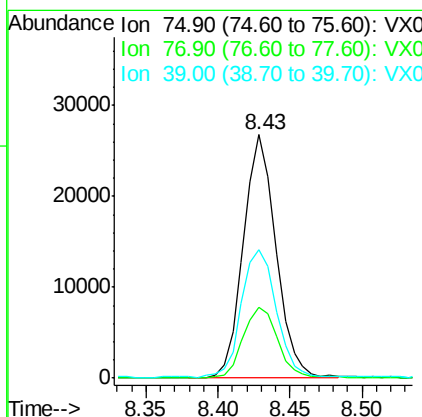
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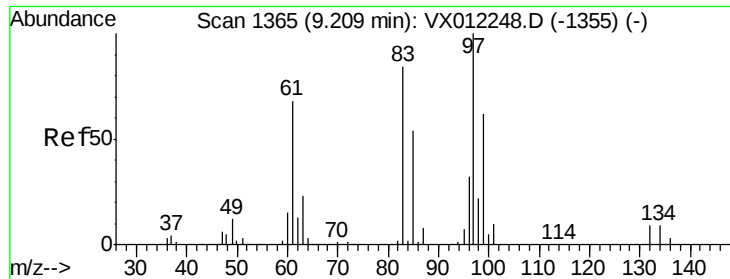
MMDadoda
 9/16/2019 1:13:08 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.034 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.4	38.2
39	52.3	46.5	69.7





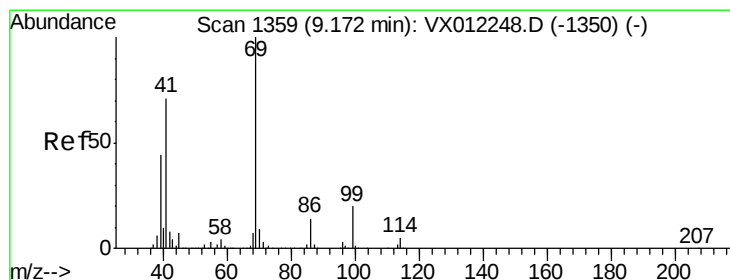
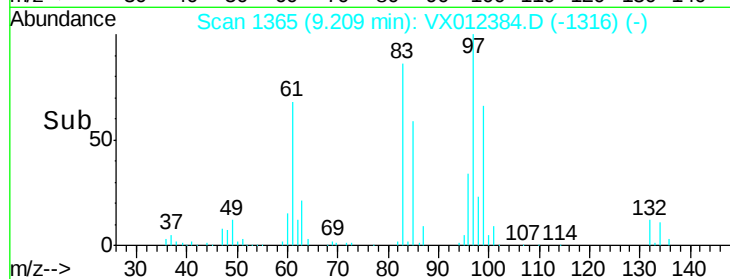
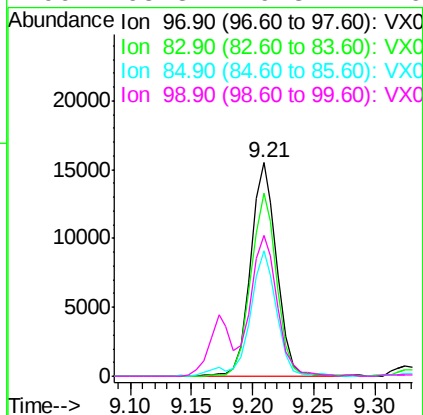
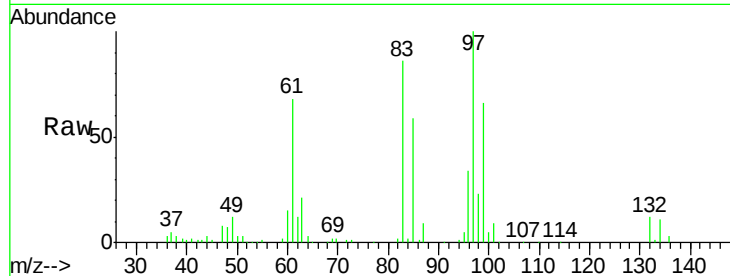
#55
 1,1,2-Trichloroethane
 Concen: 19.208 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion:	97	Resp:	23004
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.4	101.2
85	58.9	43.4	65.2
99	65.8	49.8	74.6

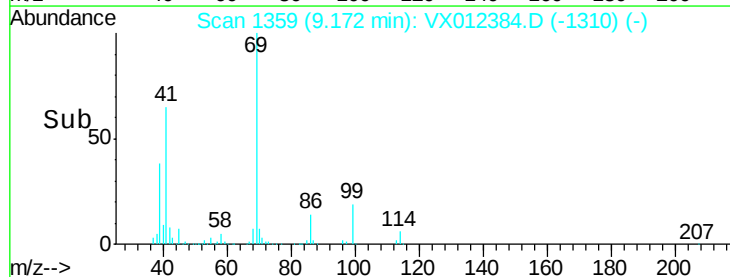
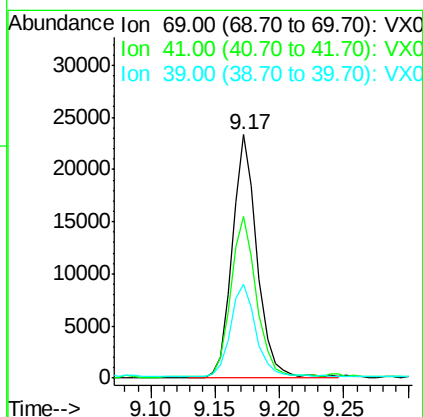
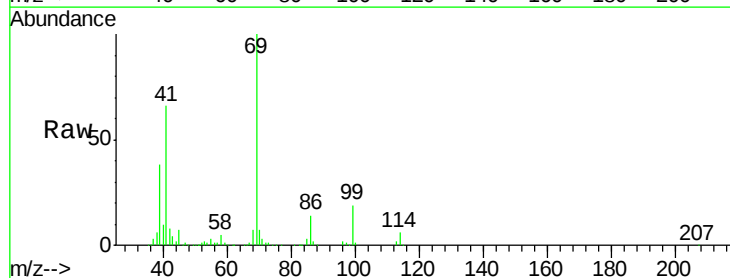
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#56
 Ethyl methacrylate
 Concen: 19.508 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion:	69	Resp:	31633
Ion	Ratio	Lower	Upper
69	100		
41	67.4	57.7	86.5
39	40.0	34.0	51.0





#57

1,3-Dichloropropane

Concen: 19.678 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 76 Resp: 40251

Ion Ratio Lower Upper

76 100

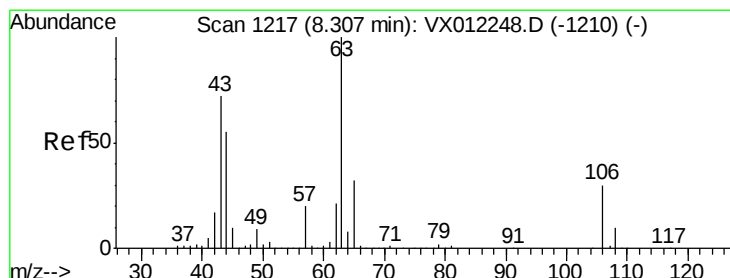
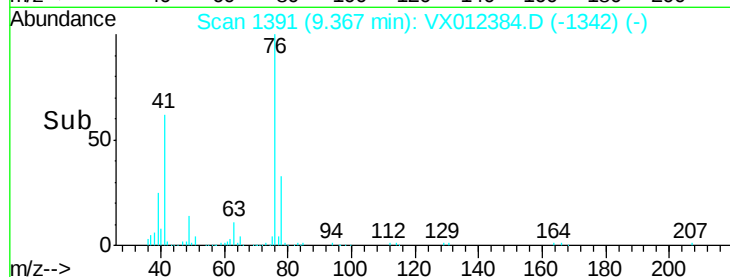
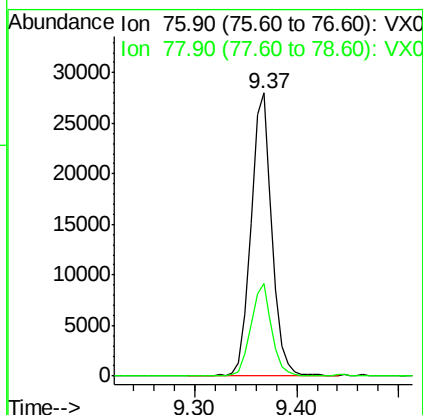
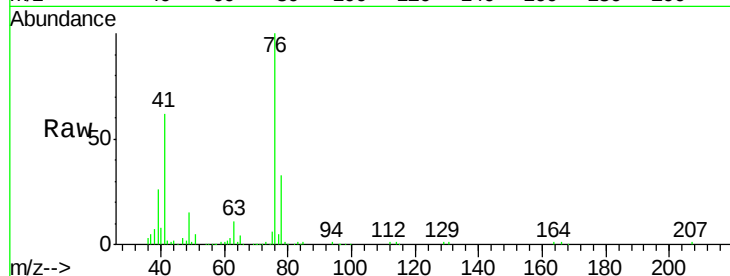
78 32.3 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 102.403 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012384.D

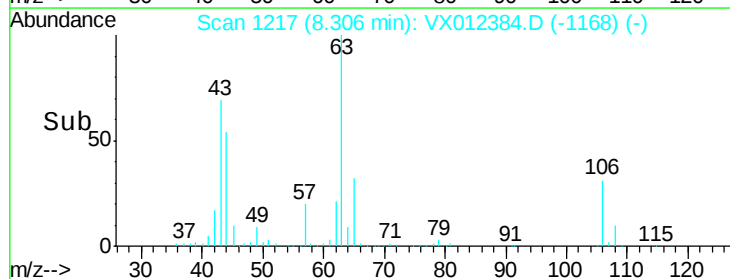
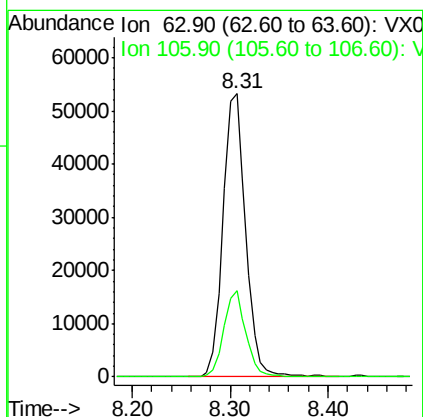
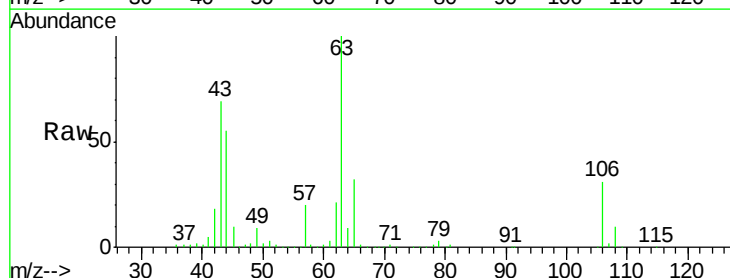
Acq: 13 Sep 2019 14:01

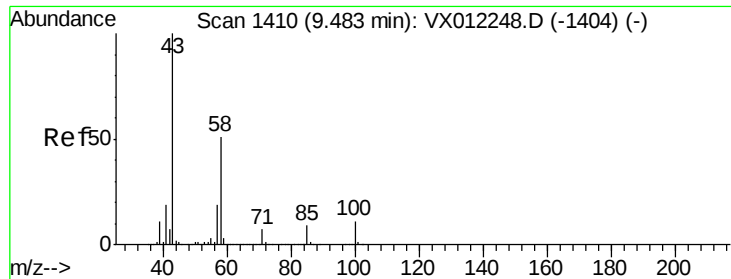
Tgt Ion: 63 Resp: 85106

Ion Ratio Lower Upper

63 100

106 29.6 23.4 35.2





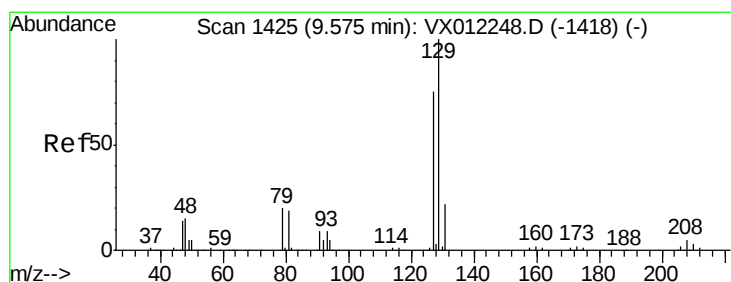
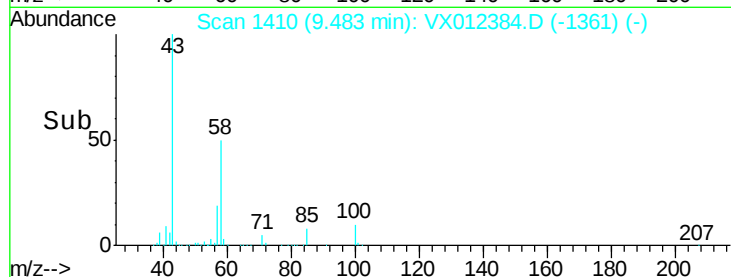
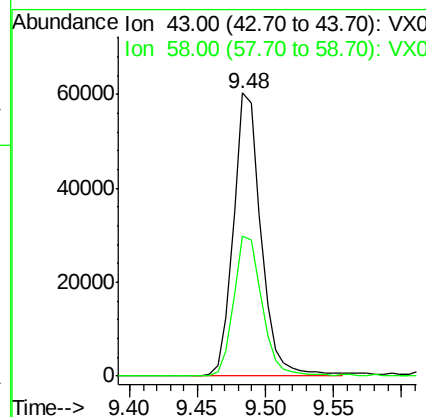
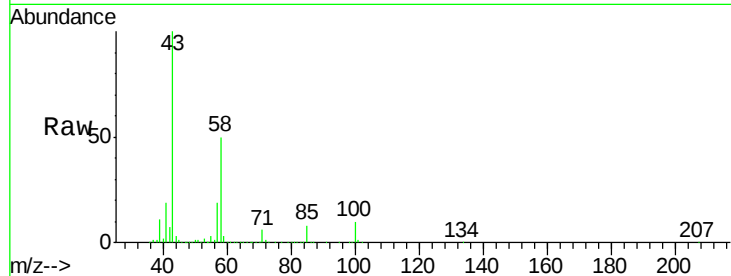
#59
2-Hexanone
Concen: 104.809 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBSD03

Tot Ion: 43 Resp: 84630
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

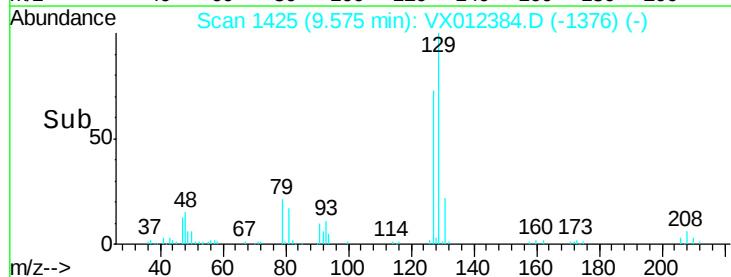
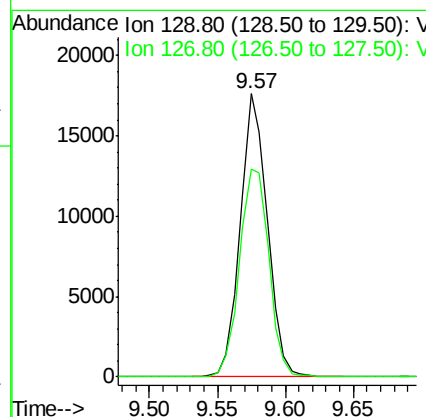
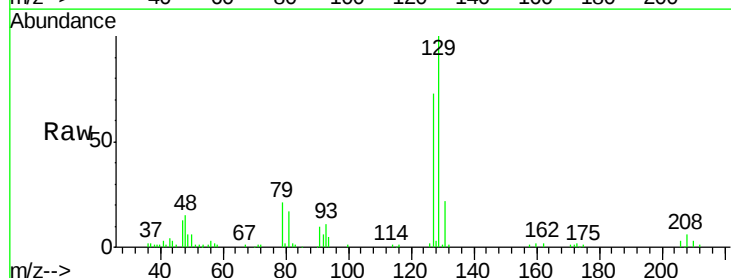
Manual Integrations
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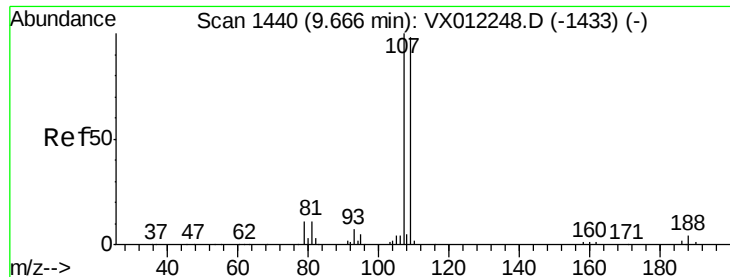
MMDadoda
9/16/2019 1:13:08 AM



#60
Dibromochloromethane
Concen: 17.458 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion: 129 Resp: 24409
Ion Ratio Lower Upper
129 100
127 79.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.708 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 107 Resp: 21970

Ion Ratio Lower Upper

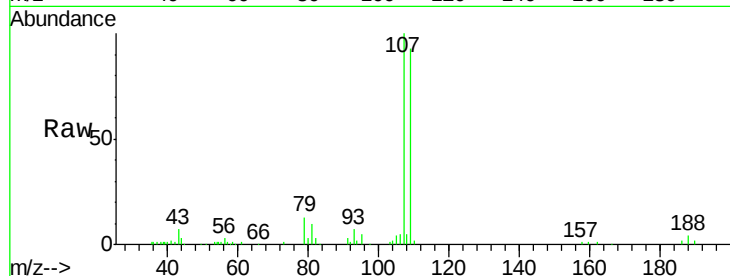
107 100

109 91.2 76.3 114.5

Manual Integrations
APPROVED

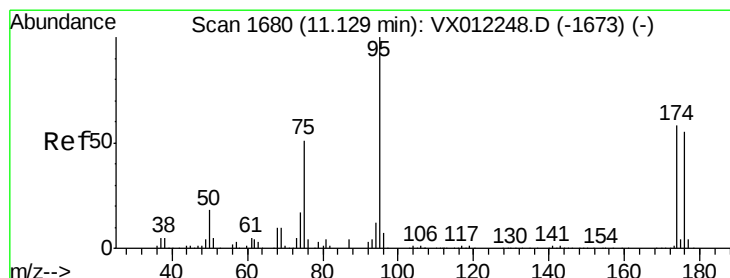
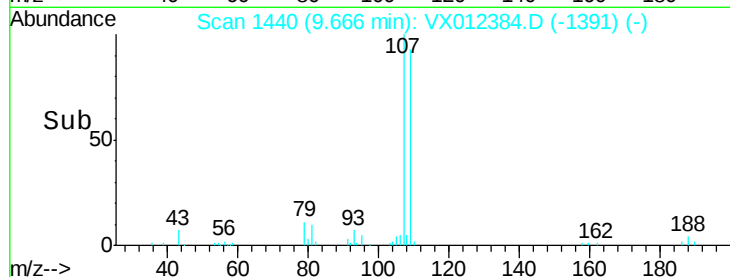
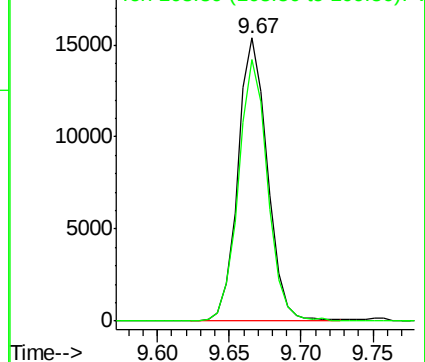
MMDadoda

9/16/2019 1:13:08 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.601 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

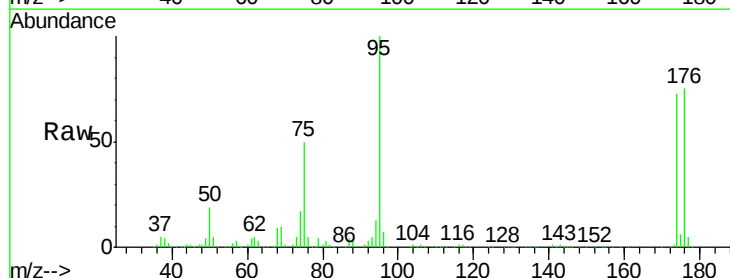
Tgt Ion: 95 Resp: 114884

Ion Ratio Lower Upper

95 100

174 69.9 0.0 127.0

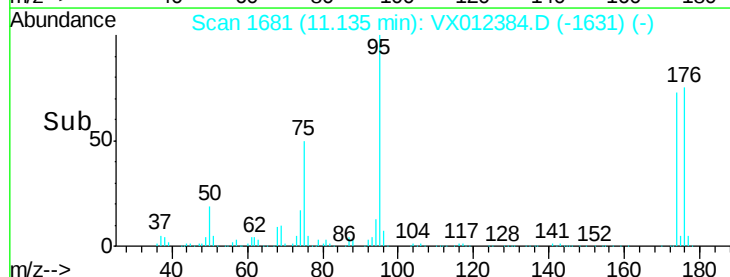
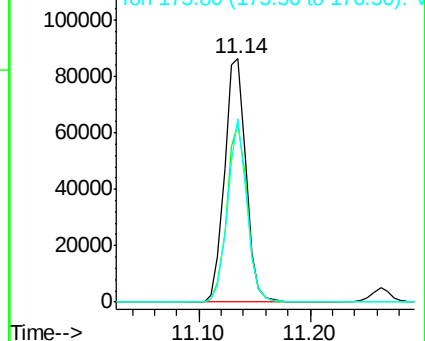
176 66.9 0.0 125.8

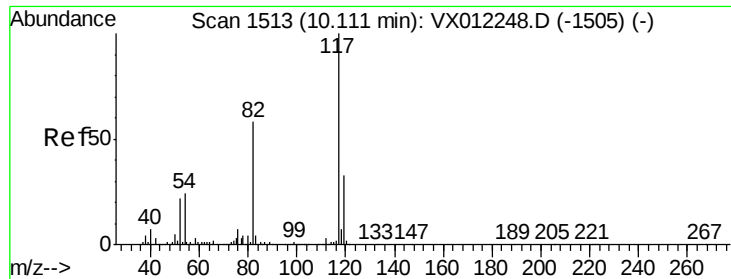


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





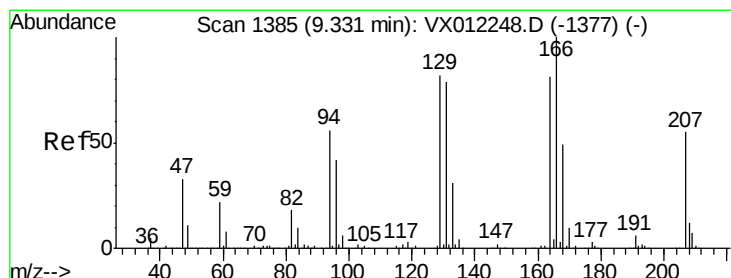
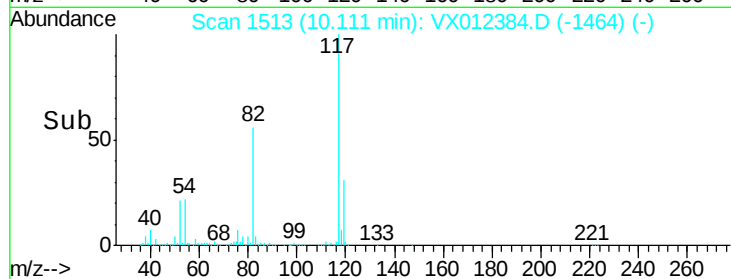
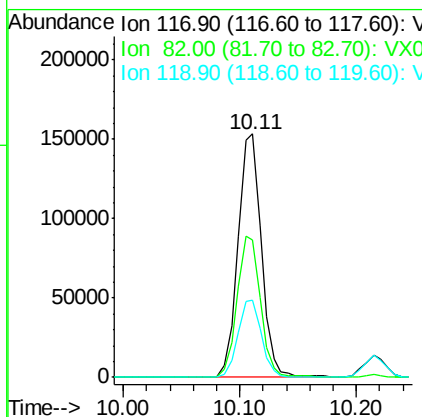
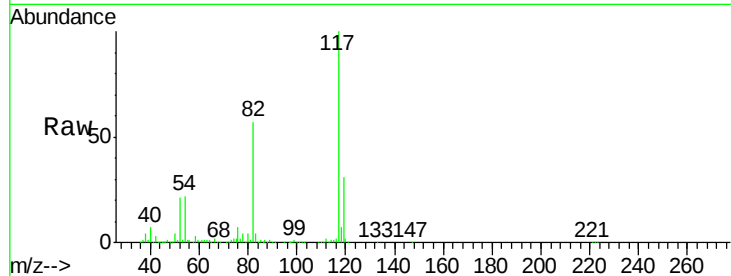
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	215875		
82	56.5	46.4	69.6	
119	31.5	26.6	39.8	

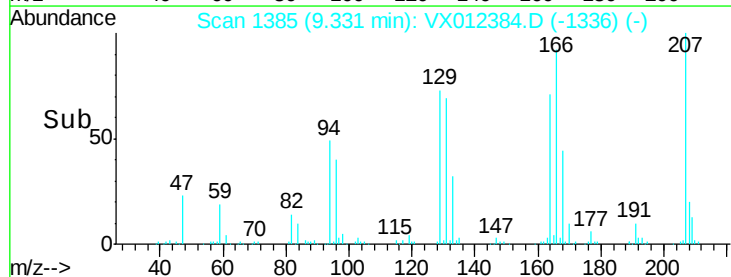
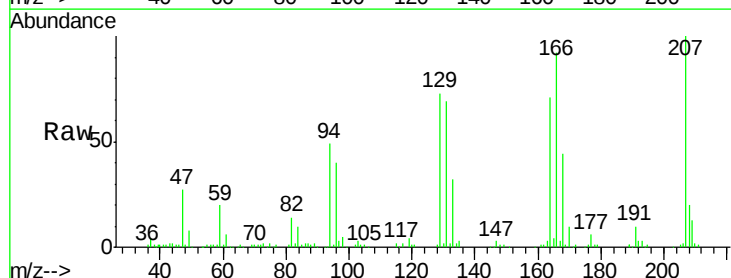
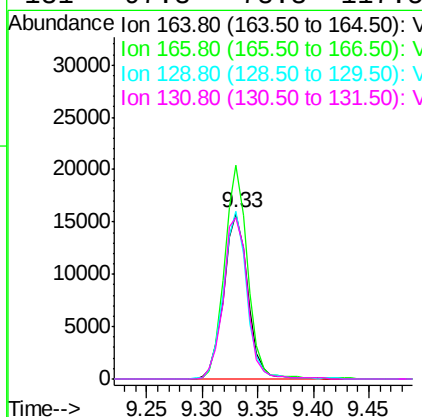
Manual Integrations
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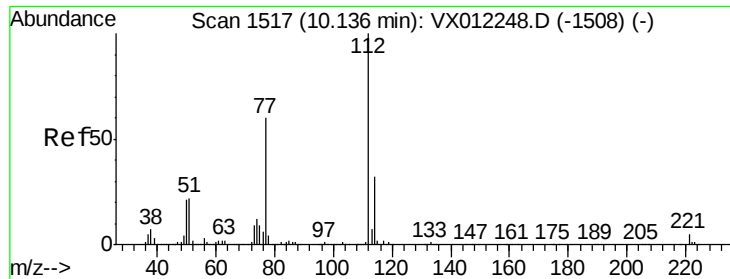
MMDadoda
9/16/2019 1:13:08 AM



#64
Tetrachloroethene
Concen: 20.852 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23806		
166	129.2	99.4	149.0	
129	101.7	81.8	122.8	
131	97.3	78.3	117.5	





#65

Chlorobenzene

Concen: 19.255 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion:112 Resp: 75950

Ion Ratio Lower Upper

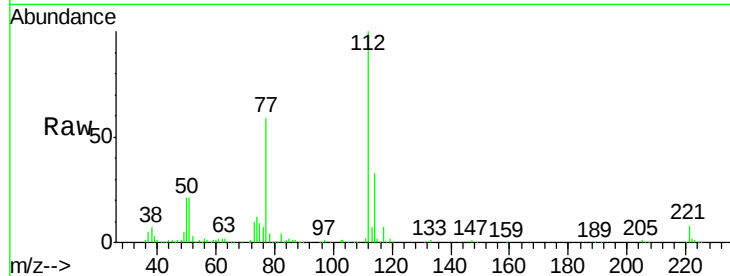
112 100

114 32.9 25.4 38.0

Manual Integrations
APPROVED

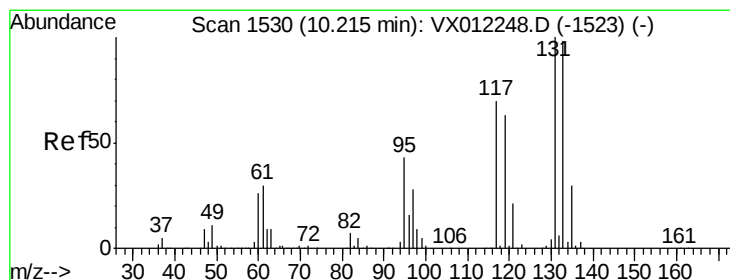
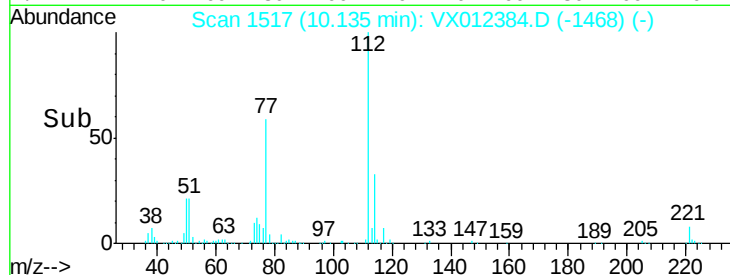
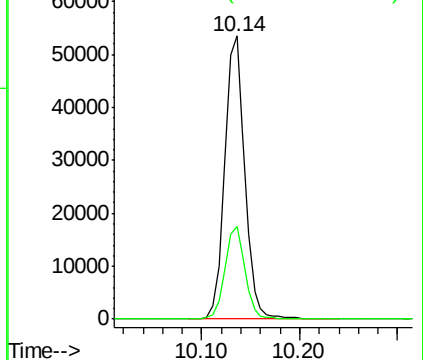
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.646 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

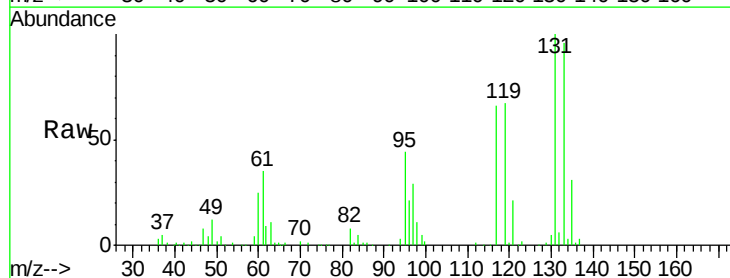
Tgt Ion:131 Resp: 27725

Ion Ratio Lower Upper

131 100

133 96.2 48.0 144.2

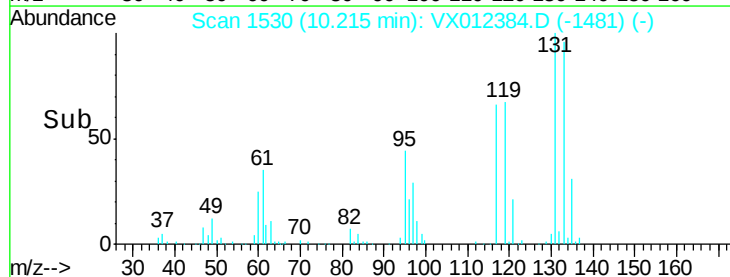
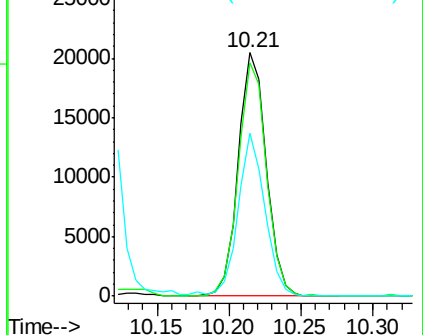
119 64.1 31.6 95.0

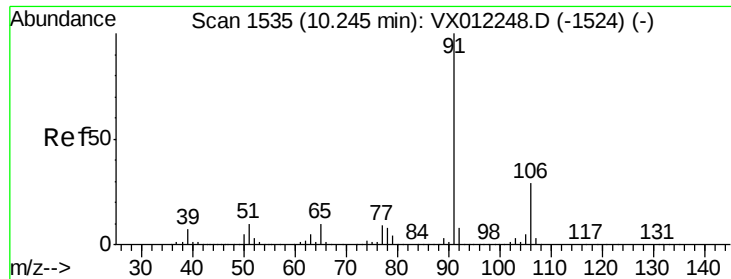


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





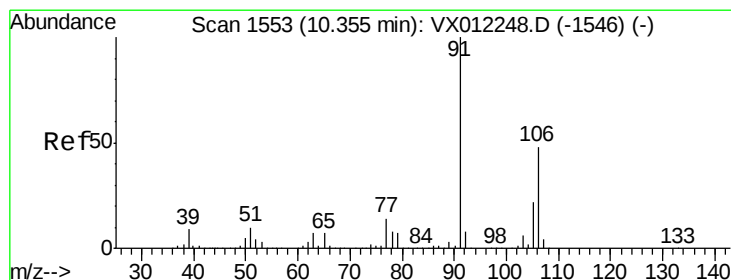
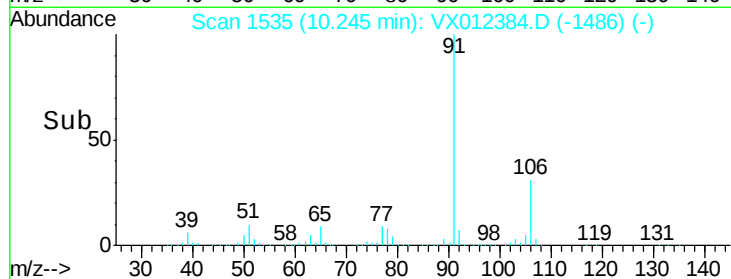
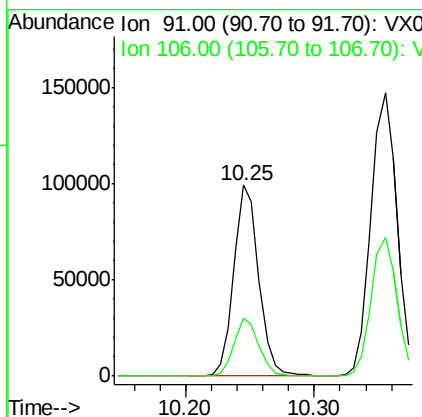
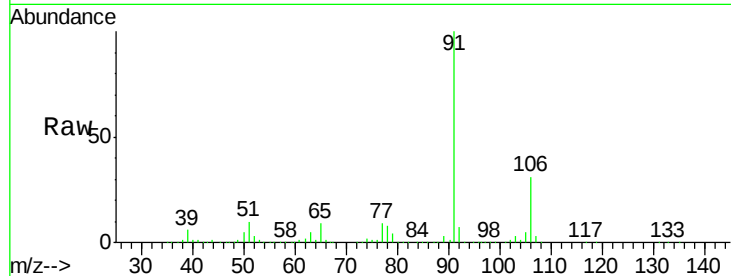
#67
Ethyl Benzene
Concen: 19.203 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion: 91 Resp: 134720
Ion Ratio Lower Upper
91 100
106 30.7 23.1 34.7

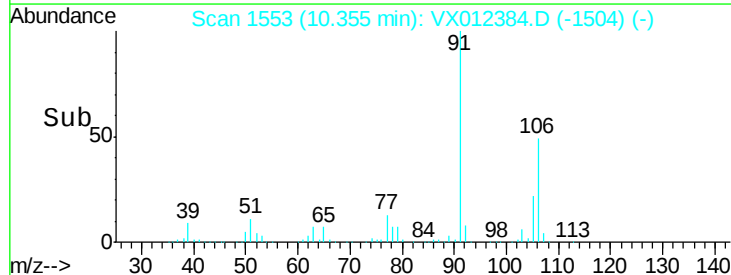
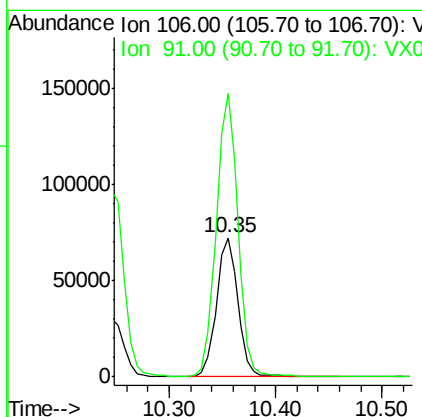
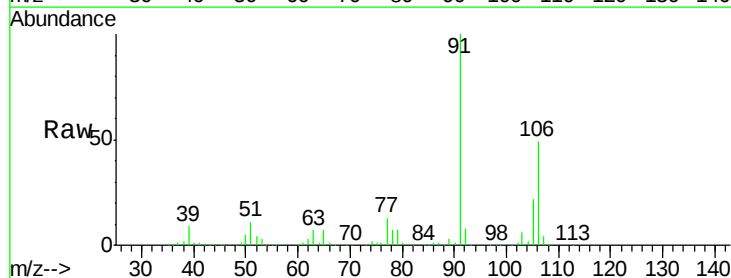
Manual Integrations
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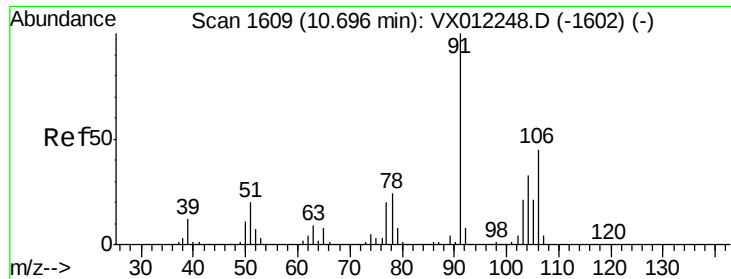
MMDadoda
9/16/2019 1:13:08 AM



#68
m/p-Xylenes
Concen: 39.025 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion: 106 Resp: 100780
Ion Ratio Lower Upper
106 100
91 205.9 167.0 250.6





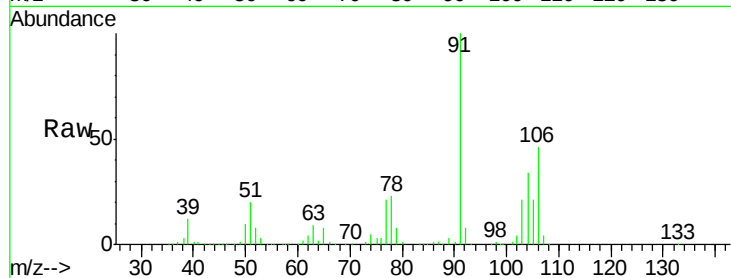
#69
o-Xylene
Concen: 18.675 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

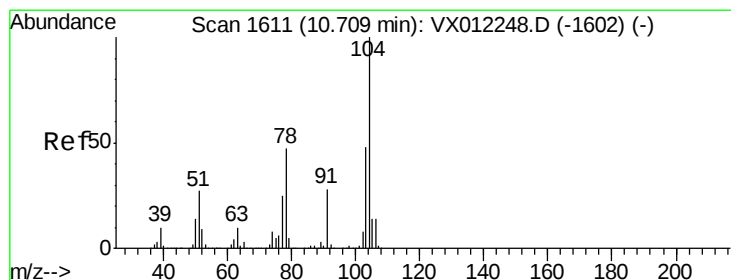
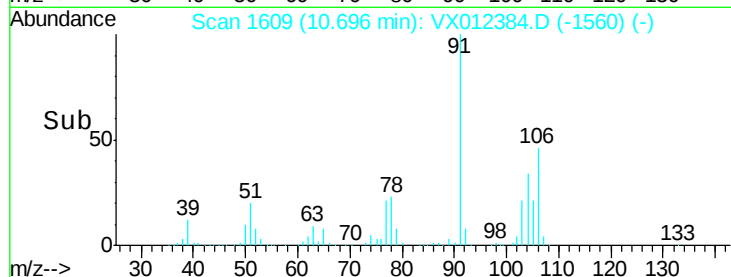
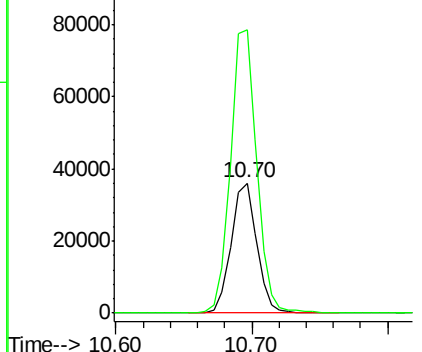
Tot Ion:106 Resp: 47244
Ion Ratio Lower Upper
106 100
91 223.3 110.5 331.4

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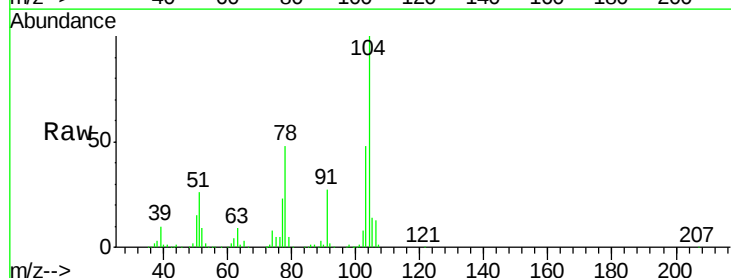


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

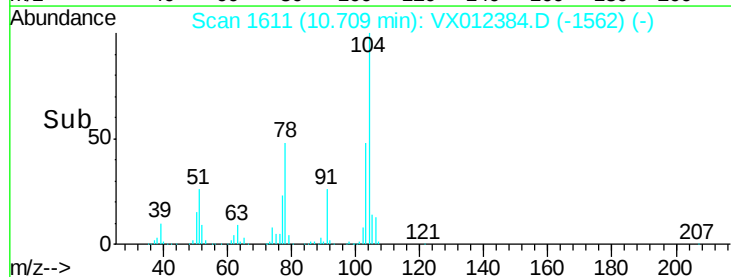
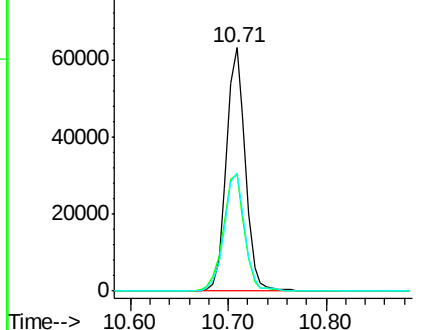


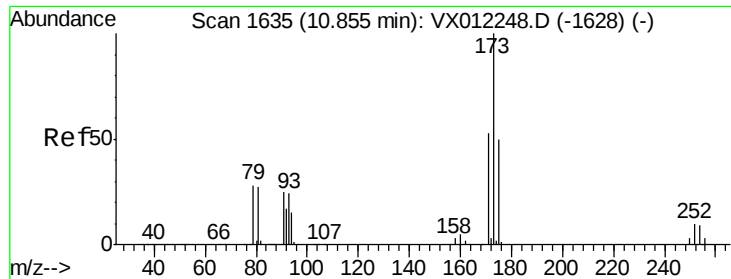
#70
Styrene
Concen: 18.940 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion:104 Resp: 84979
Ion Ratio Lower Upper
104 100
78 53.5 44.2 66.2
103 52.8 42.5 63.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.442 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

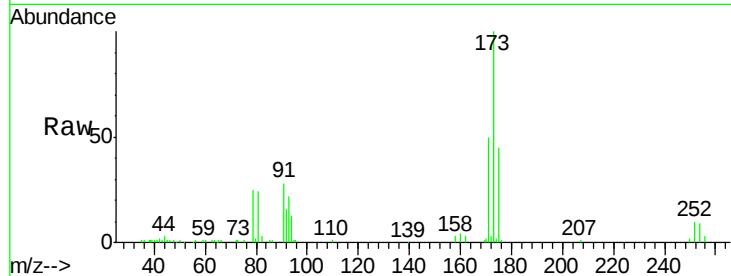
ClientSampleId :

VX0913SBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.5	73.5
254	0.0	0.2	0.4

Manual Integrations
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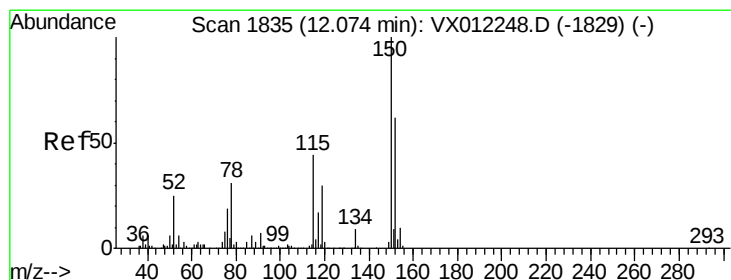
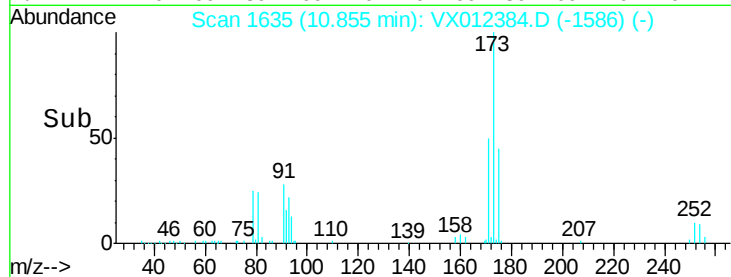
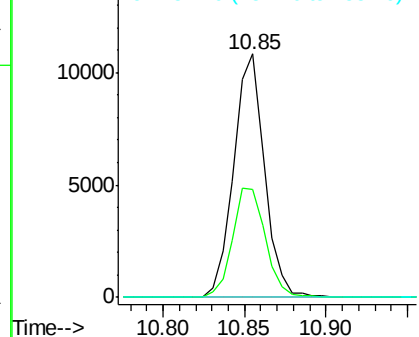


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

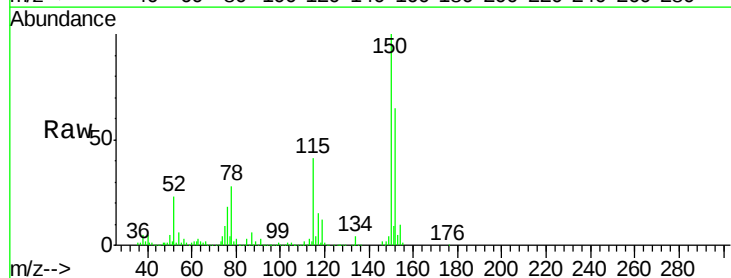
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.9	45.5	136.4
150	162.3	0.0	346.4

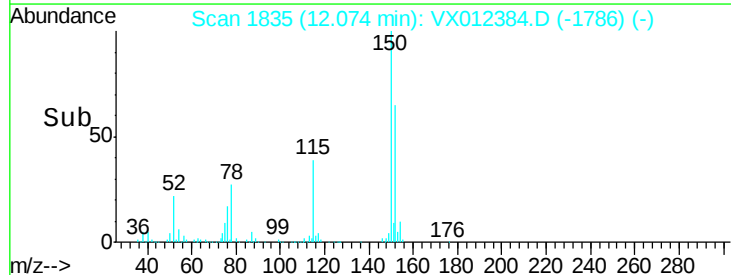
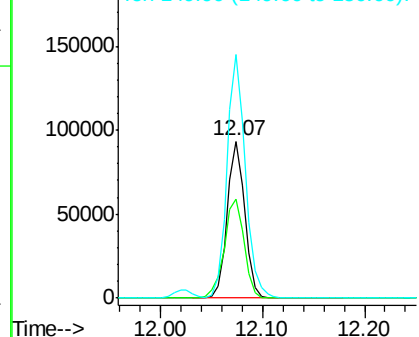


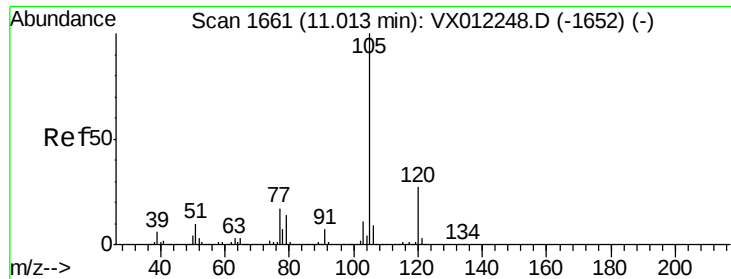
Abundance

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: 18.322 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VX0913SBS03

Tot Ion: 105 Resp: 134483

Ion Ratio Lower Upper

105 100

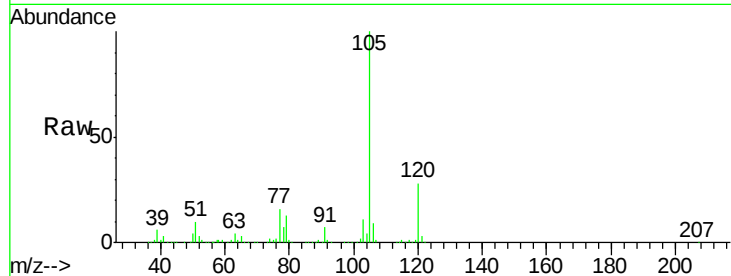
120 26.6 13.2 39.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

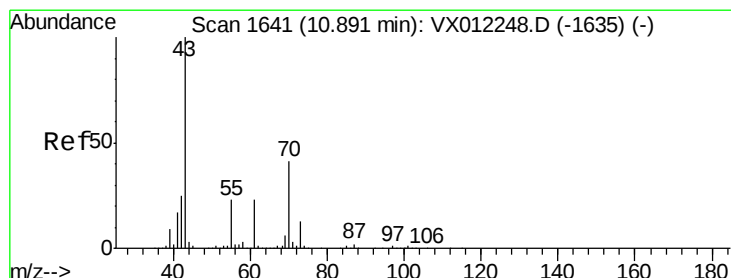
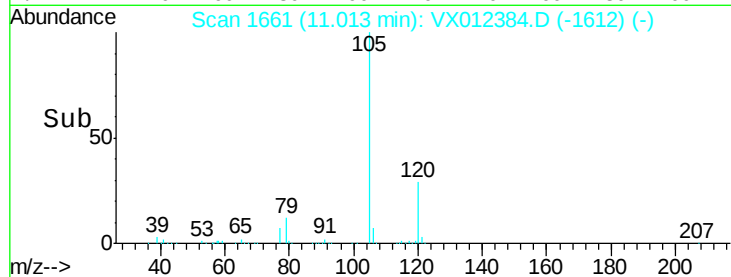
20000

0

11.01

11.10

Time-->



#74

N-ethyl acetate

Concen: 17.342 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Tgt Ion: 43 Resp: 37846

Ion Ratio Lower Upper

43 100

70 41.6 32.9 49.3

55 24.5 19.1 28.7

61 23.7 18.6 28.0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

40000

30000

20000

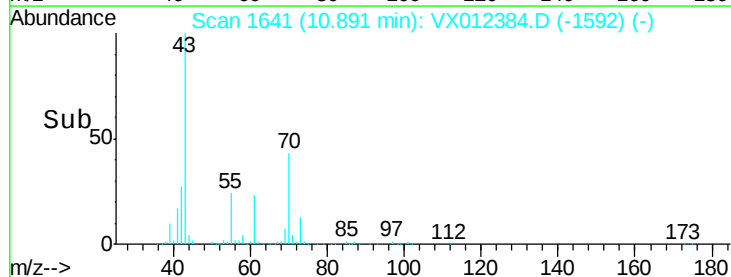
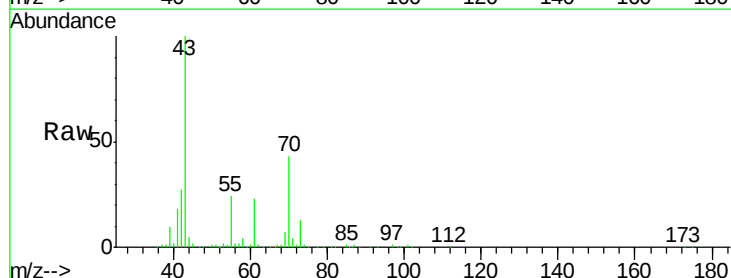
10000

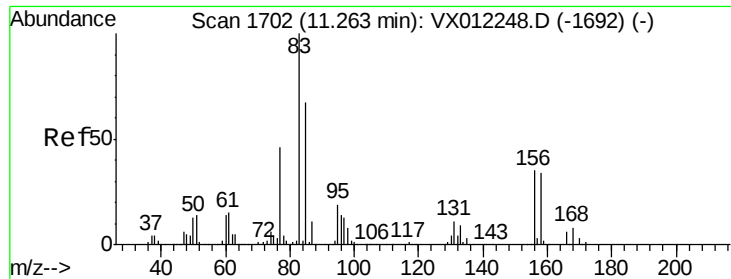
0

10.89

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.068 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Instrument :

MSVOA_X

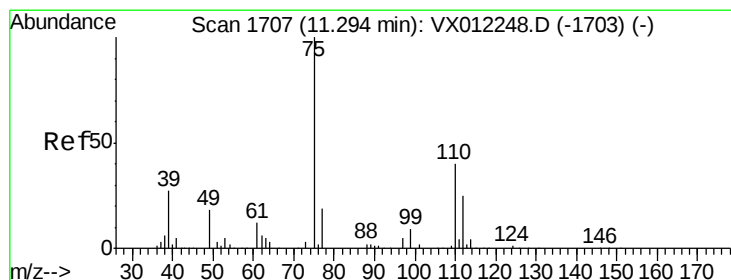
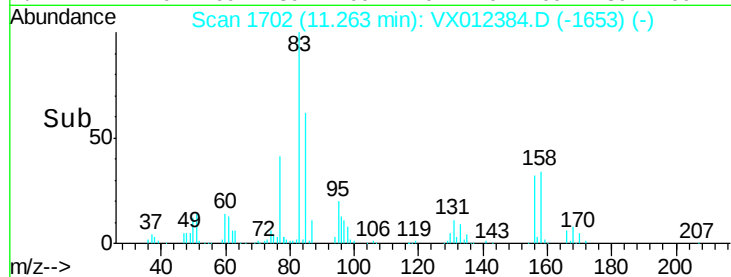
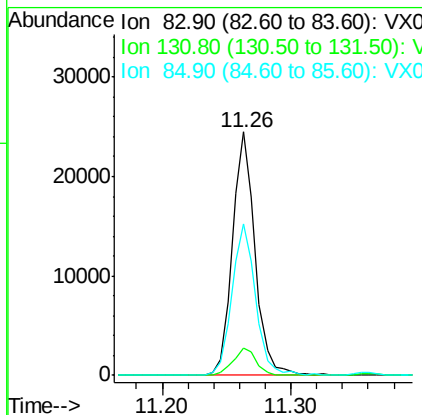
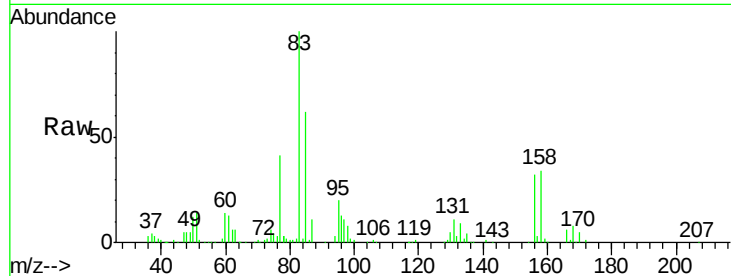
ClientSampleId :

VX0913SBS03

Tot Ion:	83	Resp:	30057
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.4
85	65.2	32.8	98.4

Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:13:08 AM



#76

1,2,3-Trichloropropane

Concen: 18.283 ug/l m

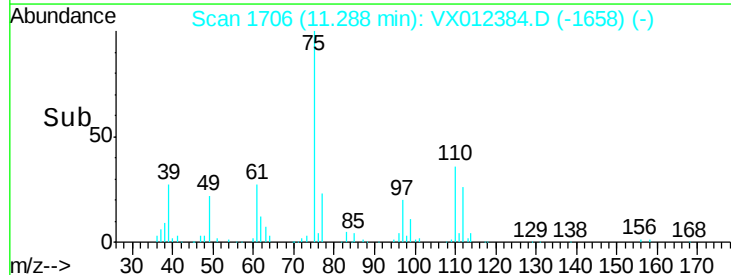
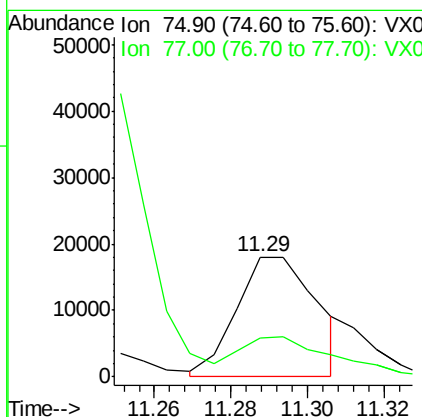
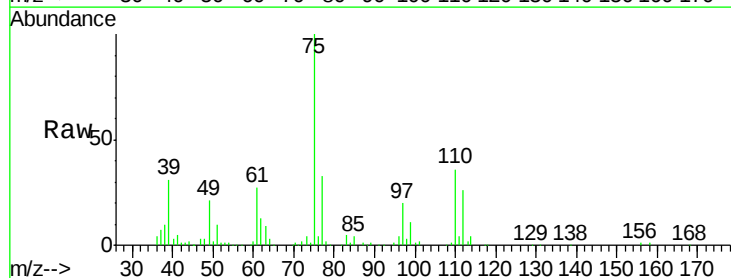
RT: 11.29 min Scan# 1706

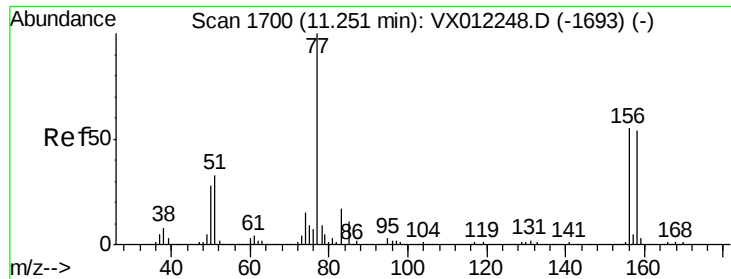
Delta R.T. -0.01 min

Lab File: VX012384.D

Acq: 13 Sep 2019 14:01

Tgt Ion:	75	Resp:	26186
Ion Ratio	Lower	Upper	
75	100		
77	39.1	19.7	59.0





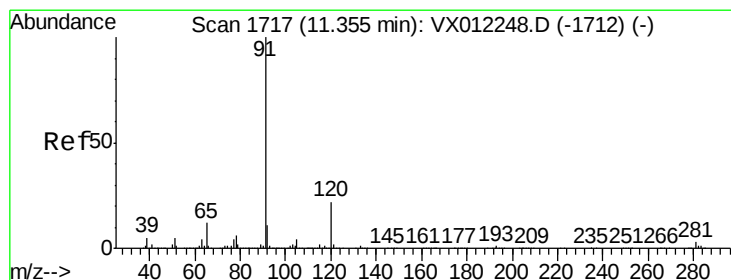
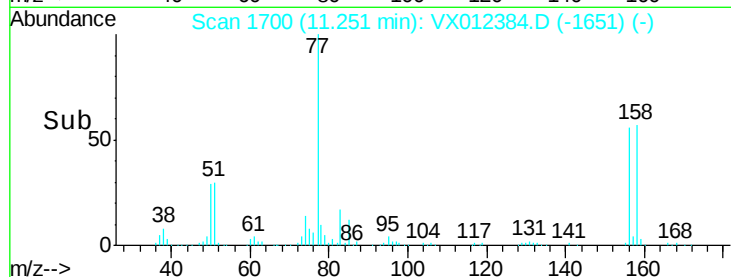
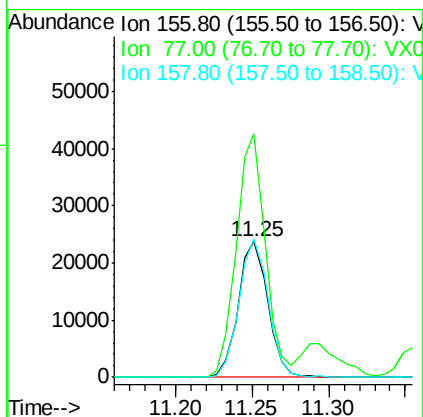
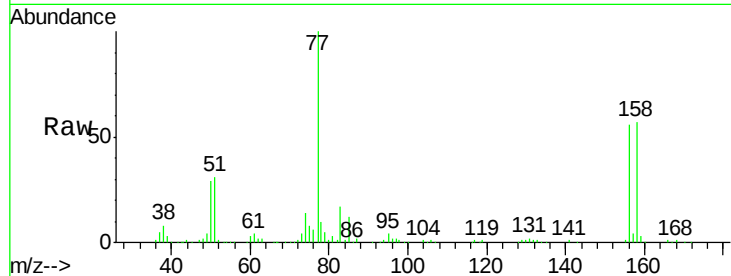
#77
Bromobenzene
Concen: 18.965 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.1	92.2	276.6
158	100.7	48.8	146.3

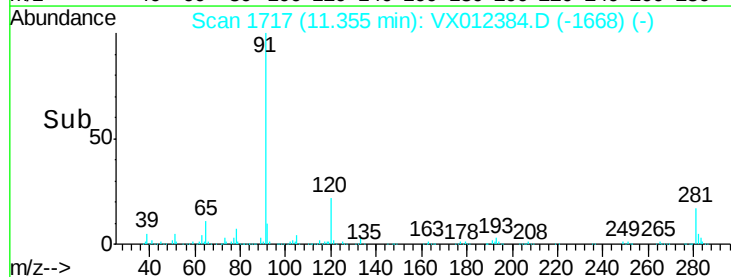
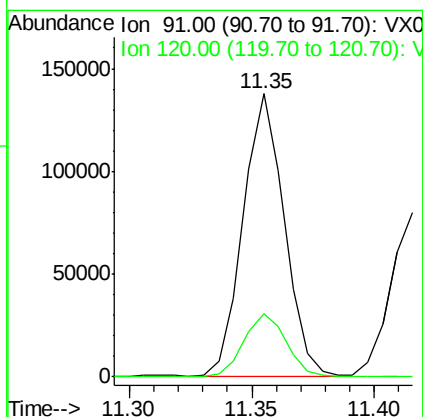
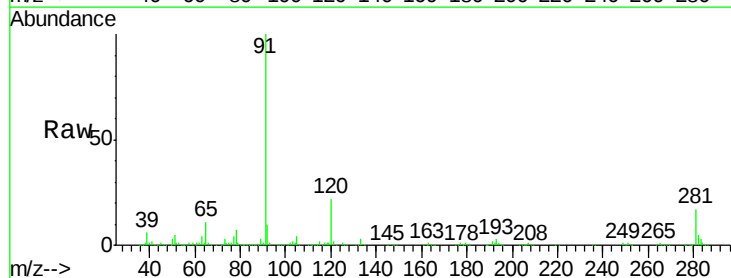
Manual Integrations
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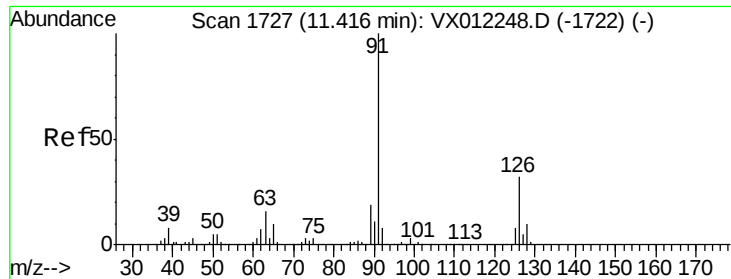
MMDadoda
9/16/2019 1:13:08 AM



#78
n-propylbenzene
Concen: 18.147 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.6





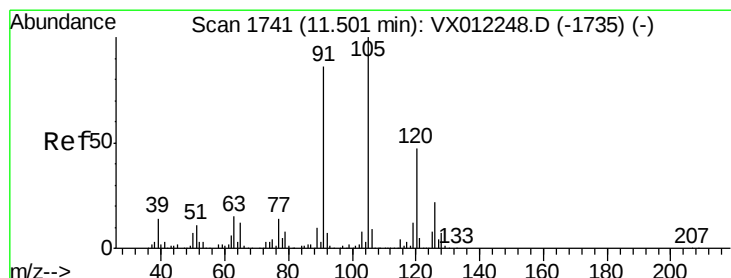
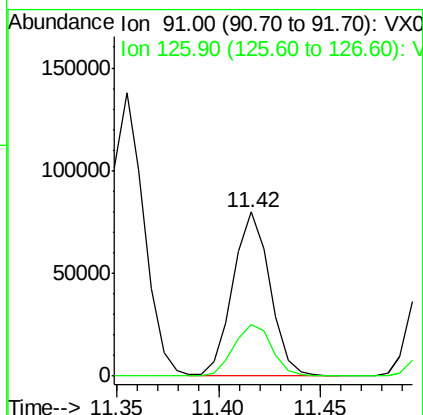
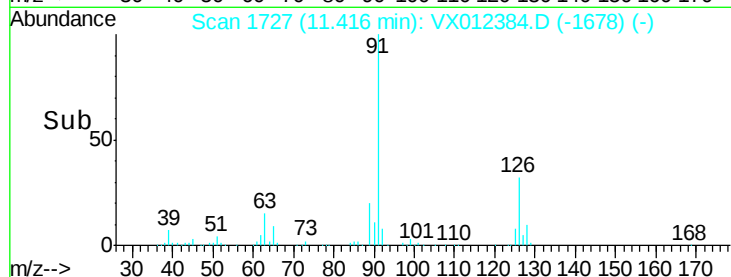
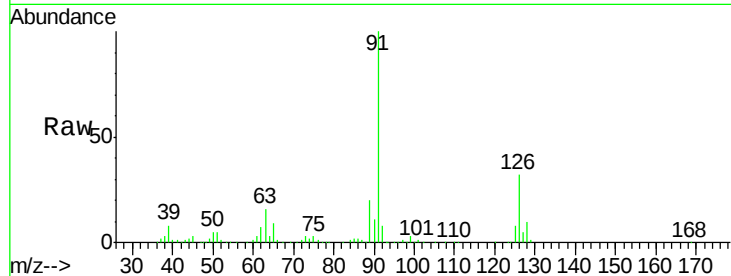
#79
 2-Chlorotoluene
 Concen: 18.221 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion: 91 Resp: 100059
 Ion Ratio Lower Upper
 91 100
 126 32.8 15.9 47.7

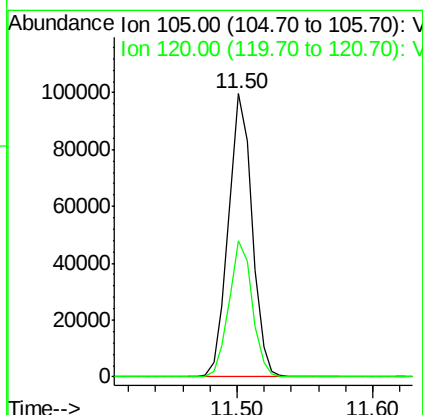
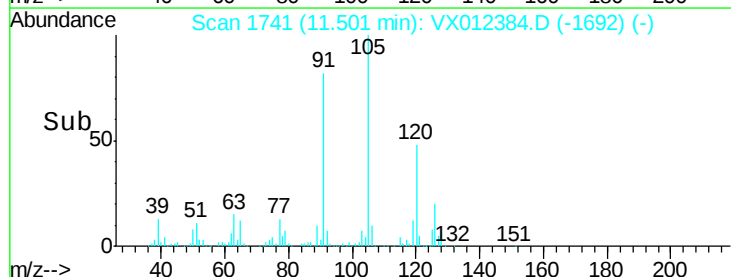
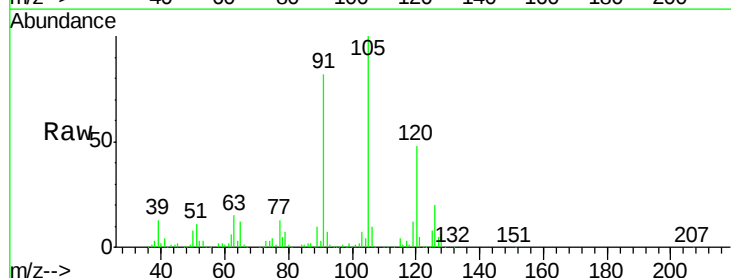
Manual Integrations
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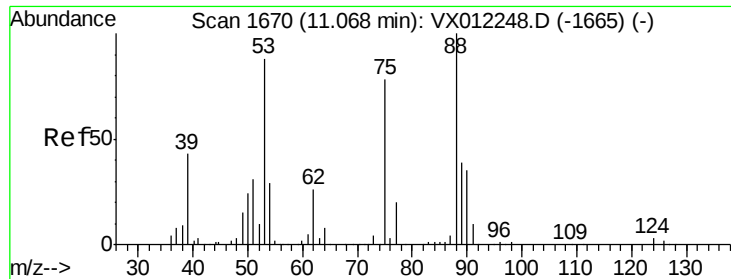
MMDadoda
 9/16/2019 1:13:08 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.242 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion: 105 Resp: 120409
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





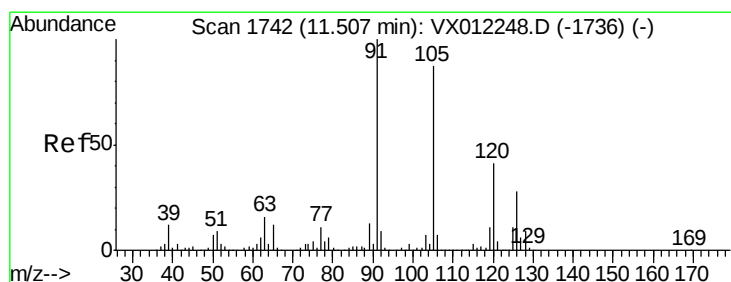
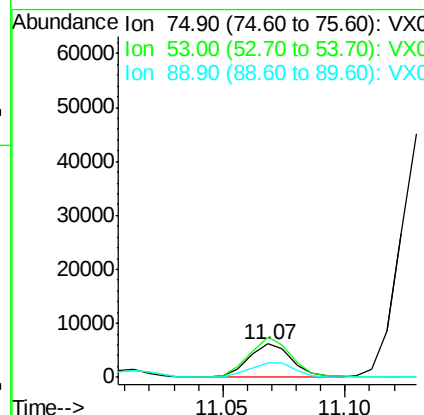
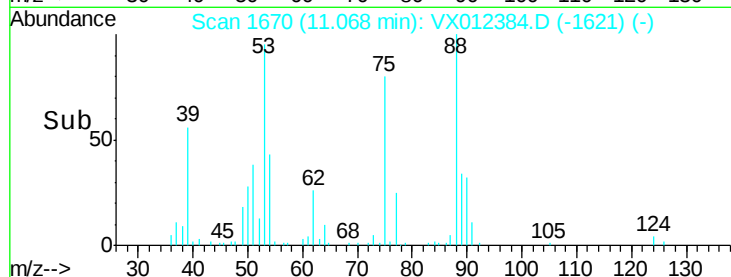
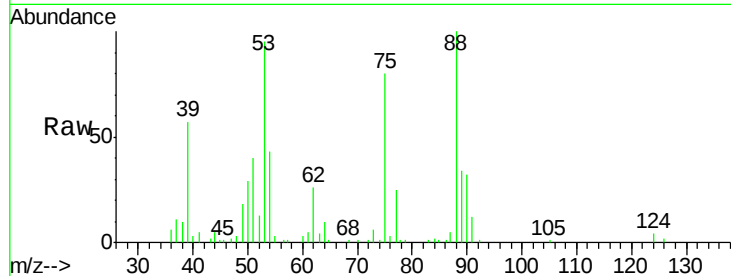
#81
trans-1,4-Dichloro-2-butene
Concen: 15.742 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.3	88.1	132.1
89	49.0	43.5	65.3

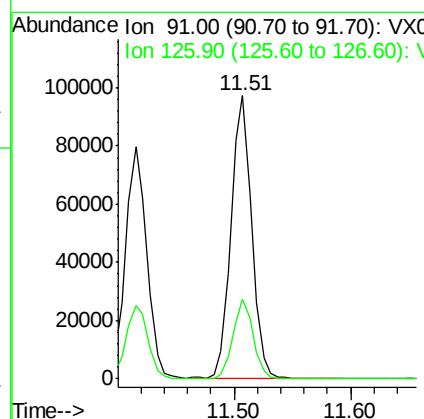
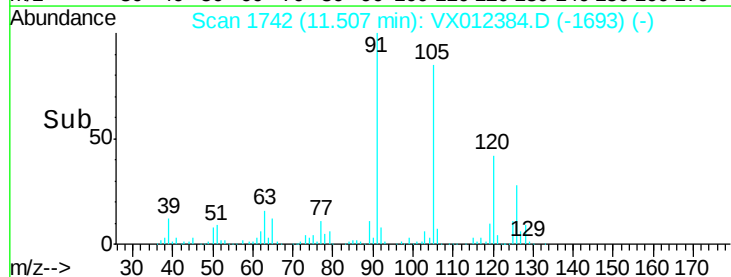
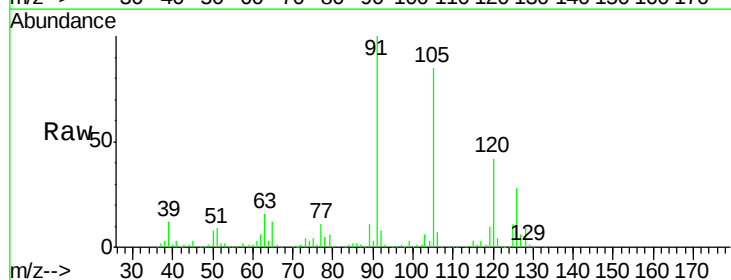
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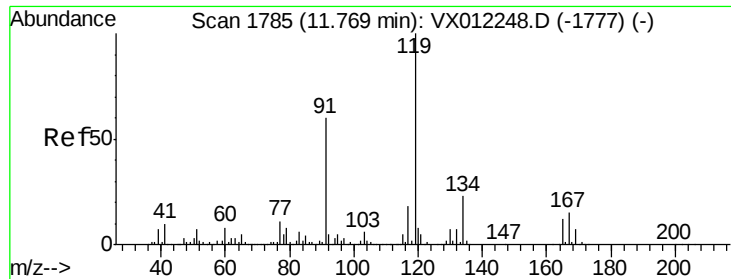
MMDadoda
9/16/2019 1:13:08 AM



#82
4-Chlorotoluene
Concen: 18.121 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.0	42.0





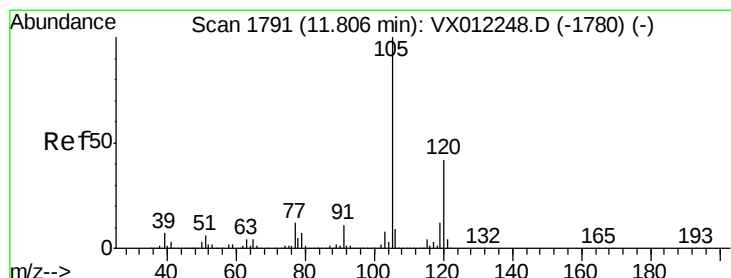
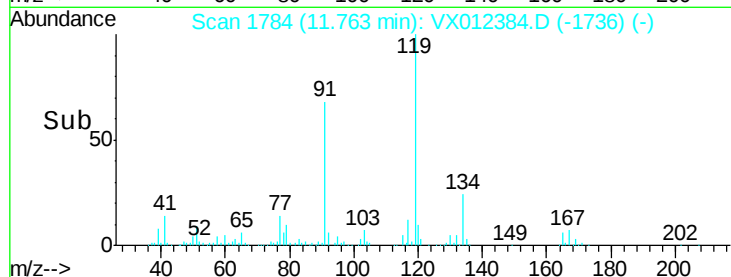
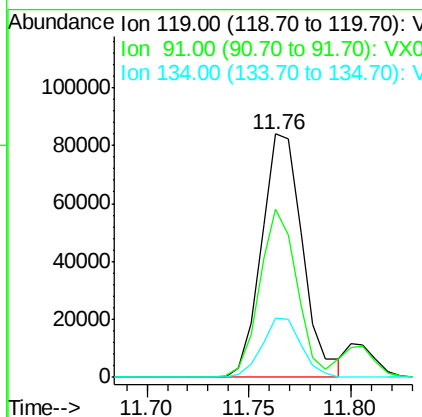
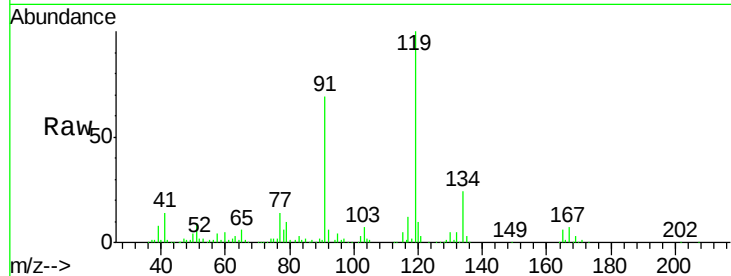
#83
 tert-Butylbenzene
 Concen: 18.449 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.9	92.8
134	23.3	11.2	33.6

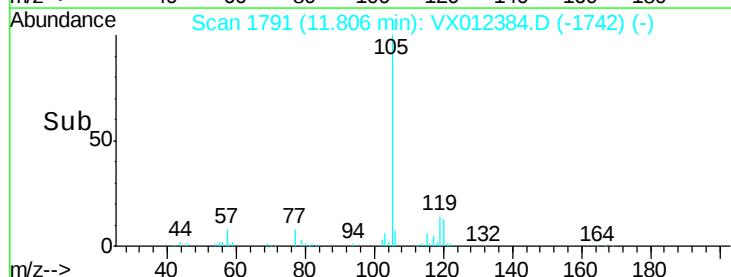
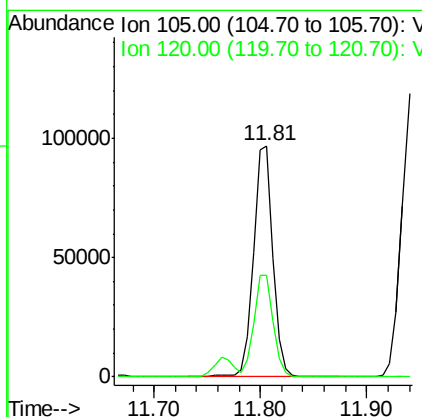
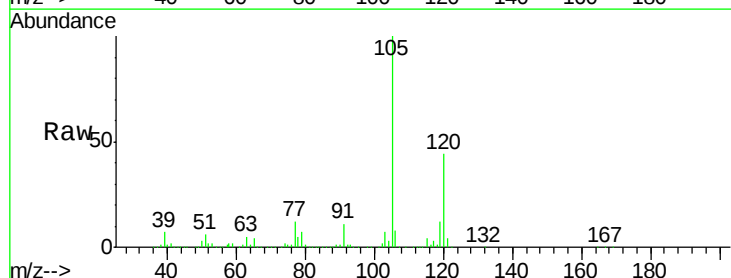
Manual Integrations
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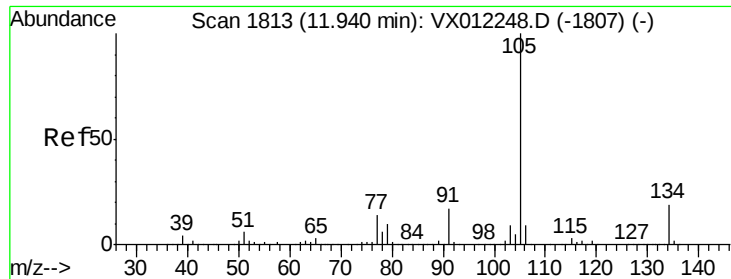
MMDadoda
 9/16/2019 1:13:08 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.097 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.3	63.9





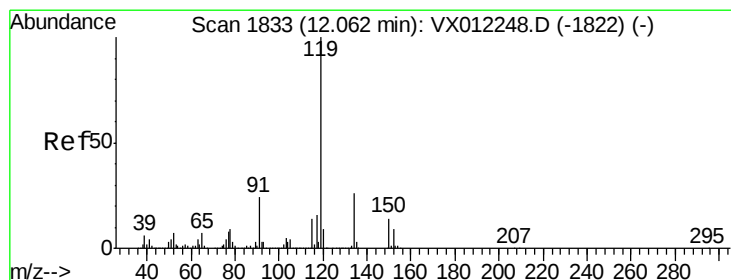
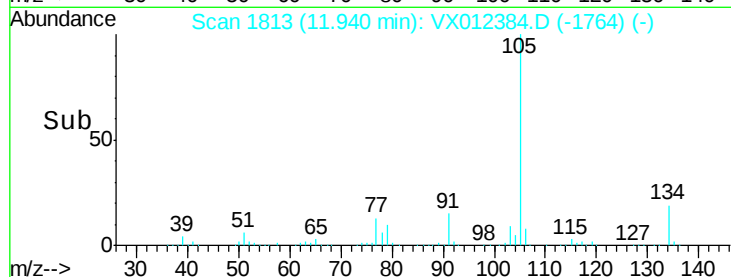
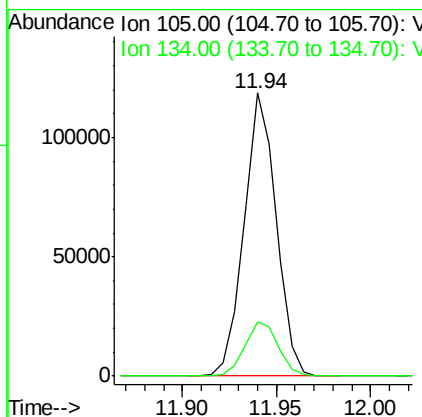
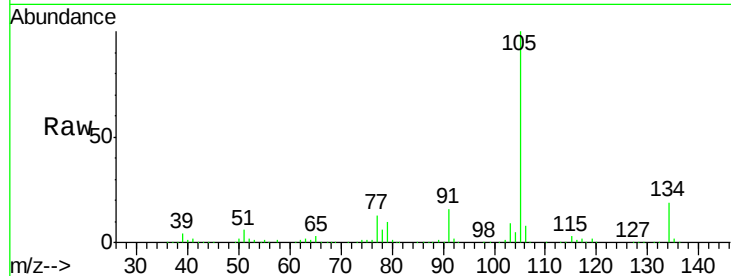
#85
 sec-Butylbenzene
 Concen: 18.317 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0913SBS03

Tot Ion:105 Resp: 140075
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7

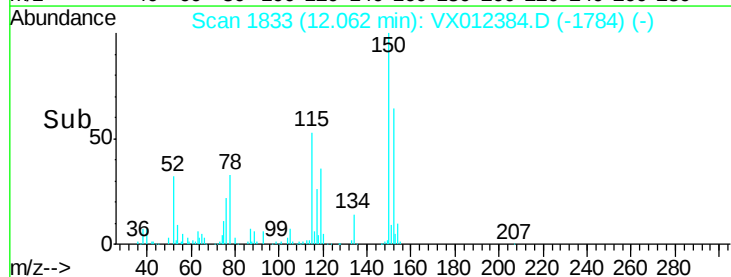
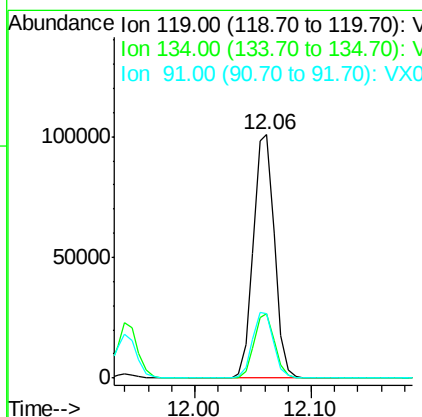
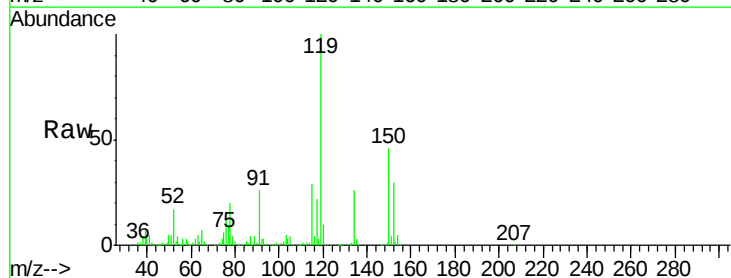
Manual Integrations
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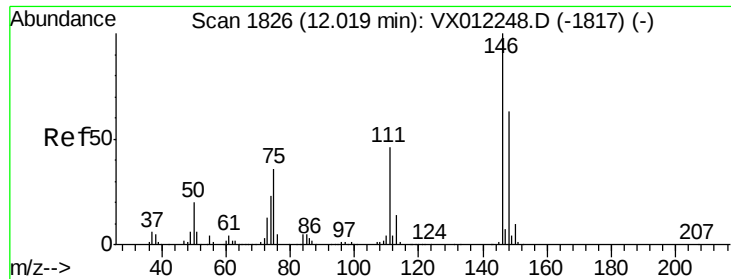
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 18.138 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion:119 Resp: 128161
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 27.2 13.1 39.1





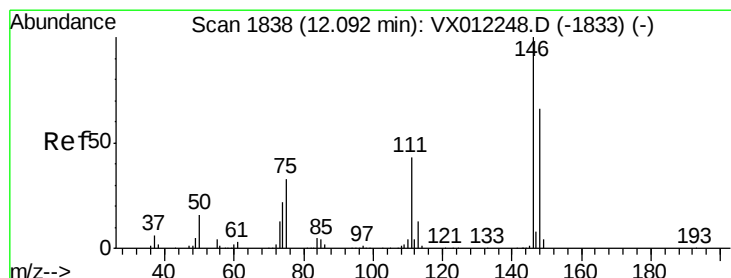
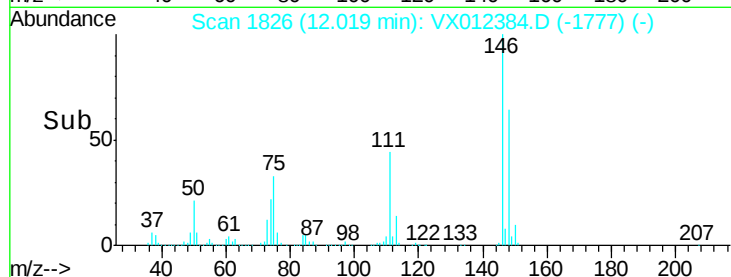
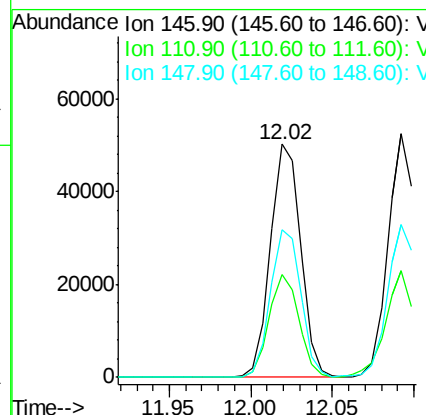
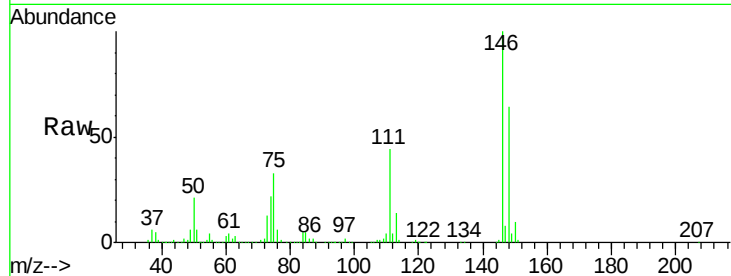
#87
 1,3-Dichlorobenzene
 Concen: 18.798 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.3	66.8
148	64.2	31.5	94.5

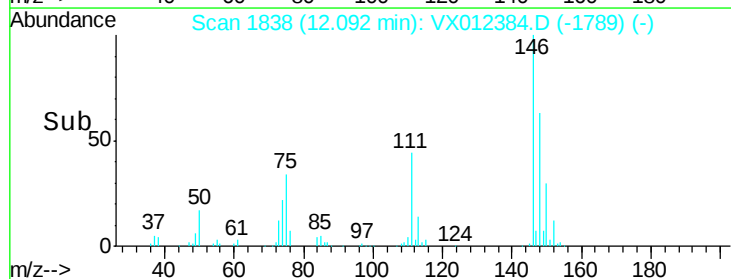
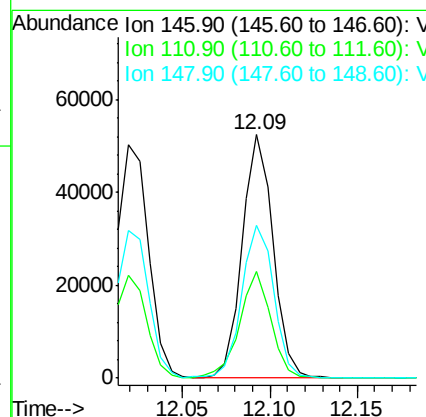
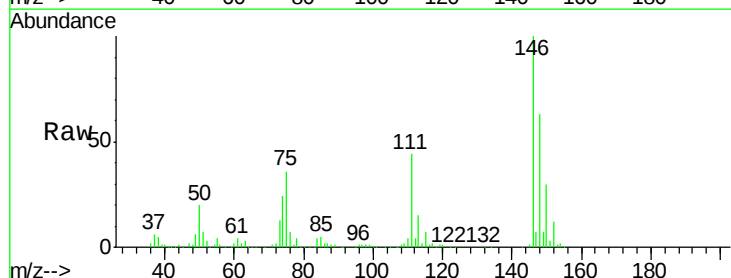
Manual Integrations
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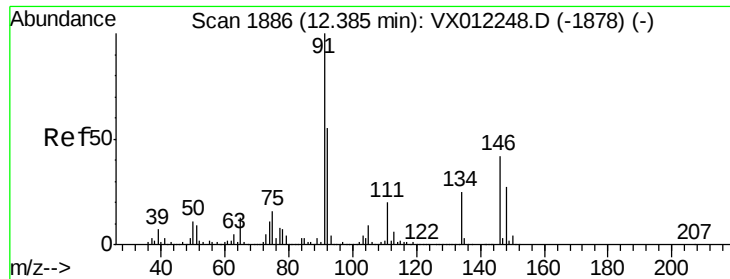
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#88
 1,4-Dichlorobenzene
 Concen: 18.400 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	64.8
148	65.6	32.4	97.2





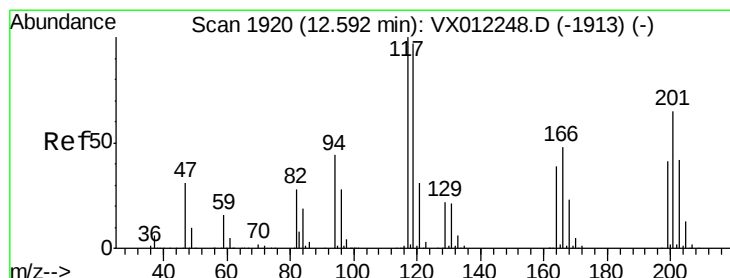
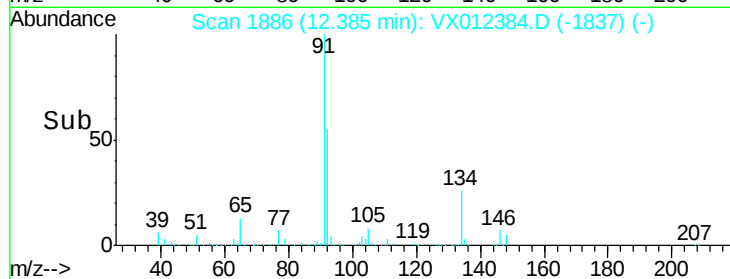
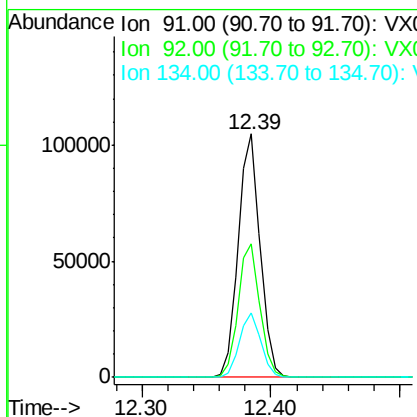
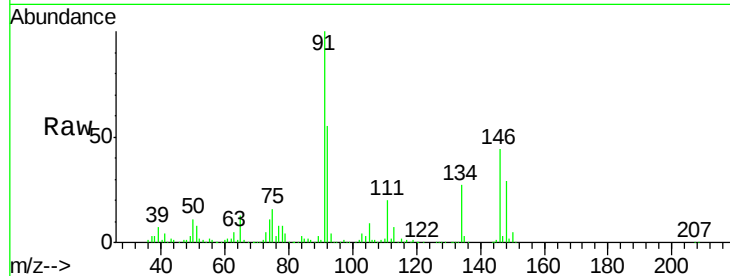
#89
n-Butylbenzene
Concen: 17.920 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	124111		
92	54.3	27.6	82.7	
134	26.0	12.5	37.5	

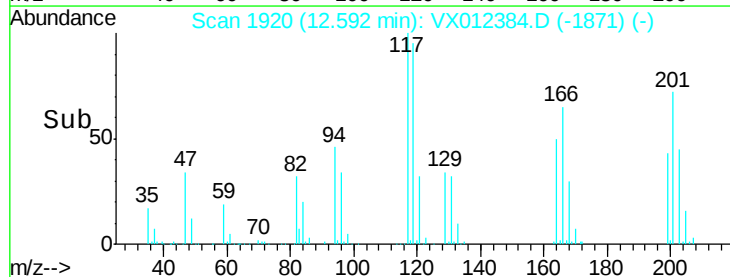
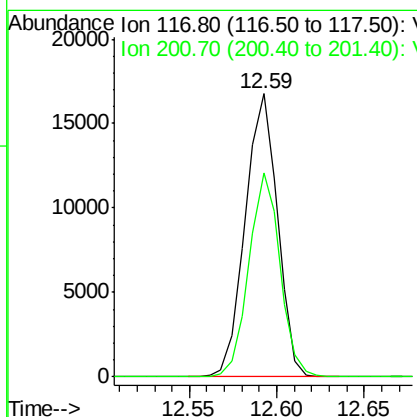
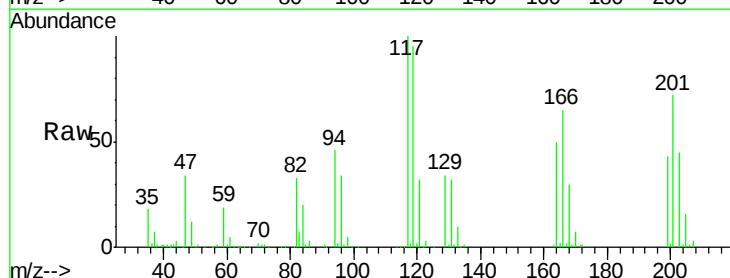
Manual Integrations
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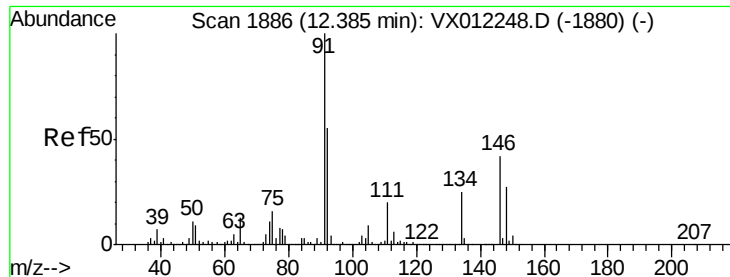
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#90
Hexachloroethane
Concen: 16.644 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	21662		
201	69.4	32.2	96.6	





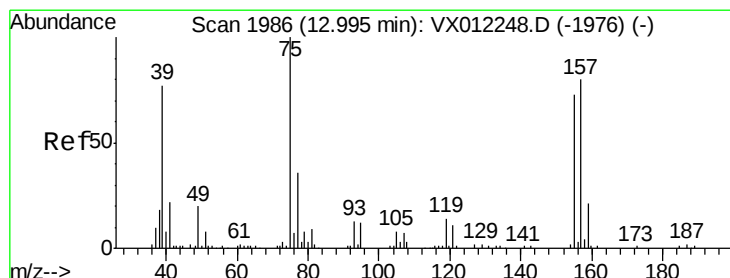
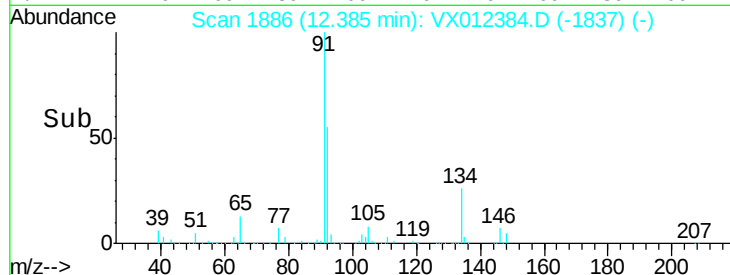
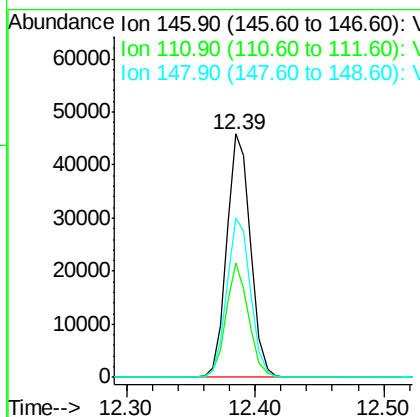
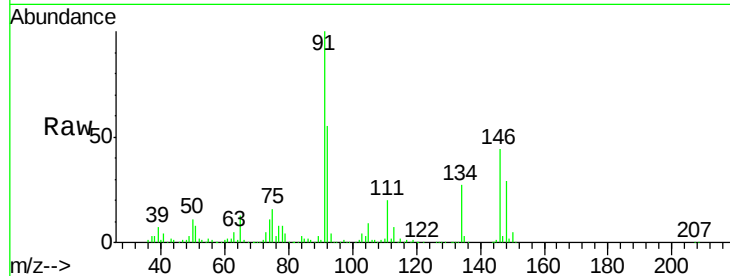
#91
 1,2-Dichlorobenzene
 Concen: 18.668 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.2	69.6
148	65.4	32.4	97.0

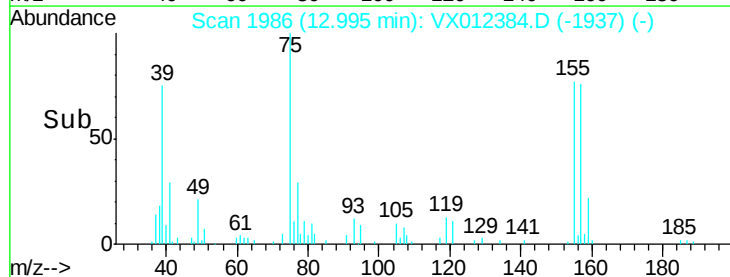
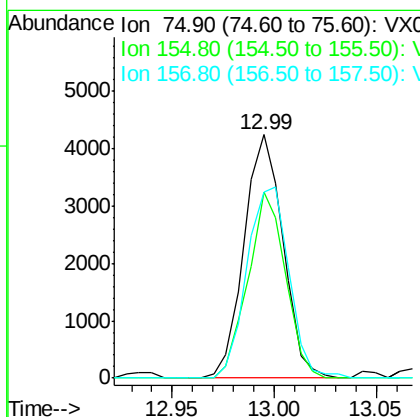
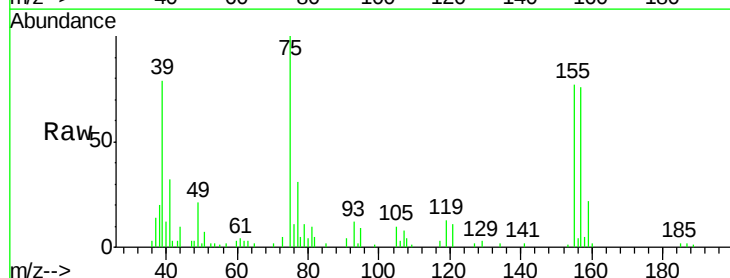
Manual Integrations
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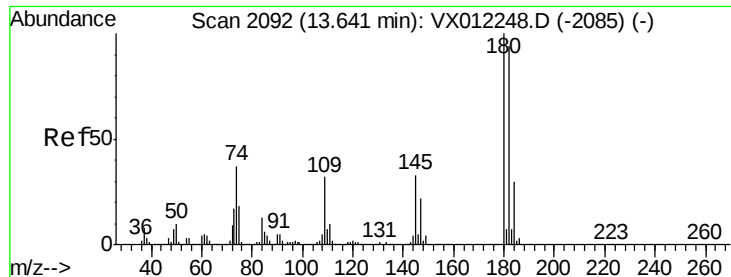
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.541 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	35.3	105.7
157	84.4	43.2	129.6





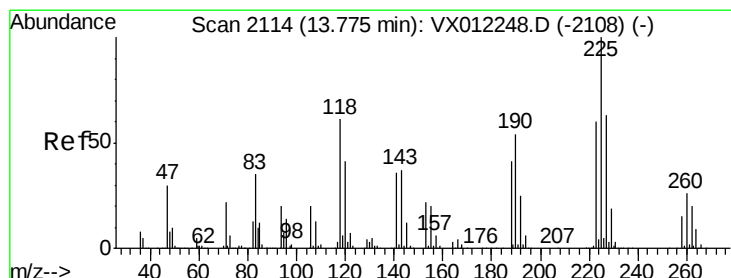
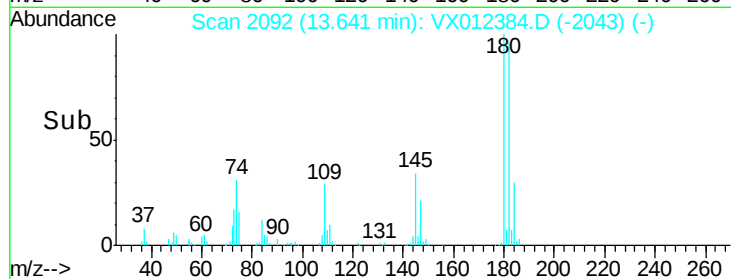
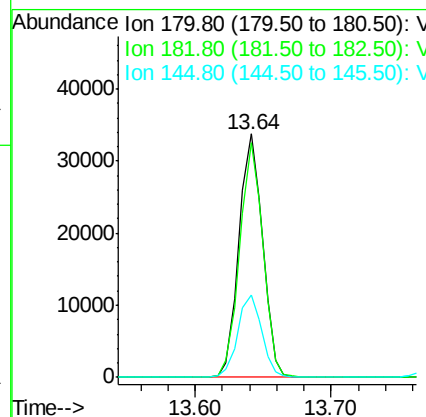
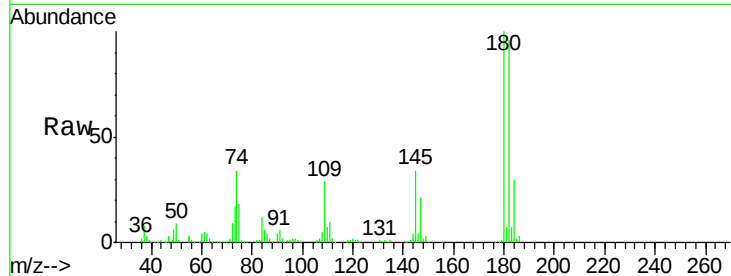
#93
 1,2,4-Trichlorobenzene
 Concen: 18.592 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	46.9	140.8	
145	34.7	17.1	51.2	

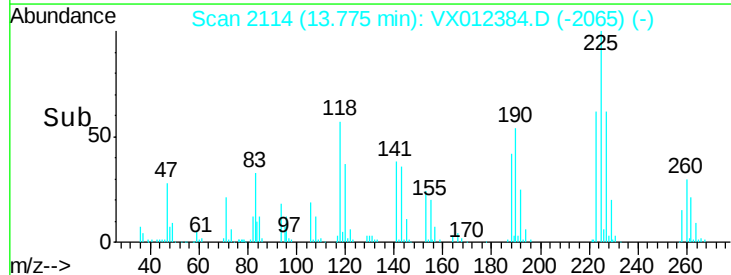
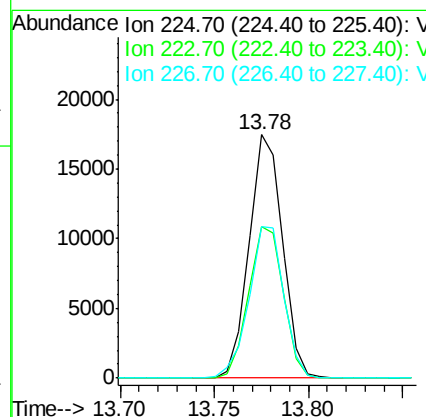
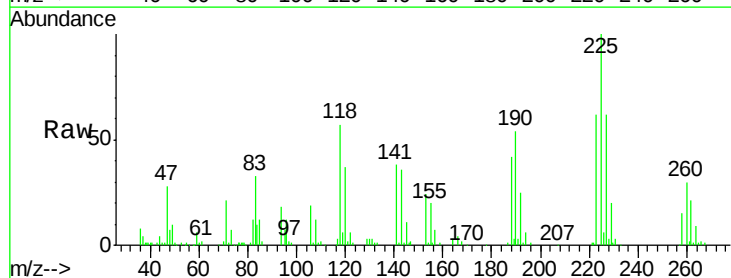
Manual Integrations
 APPROVED

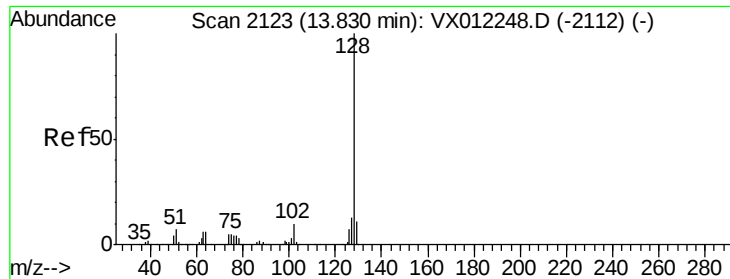
MMDadoda
 9/16/2019 1:13:08 AM



#94
 Hexachlorobutadiene
 Concen: 19.656 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX012384.D
 Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	32.1	96.5	
227	65.0	32.5	97.5	





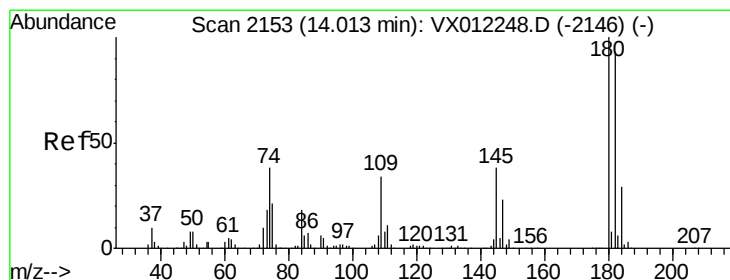
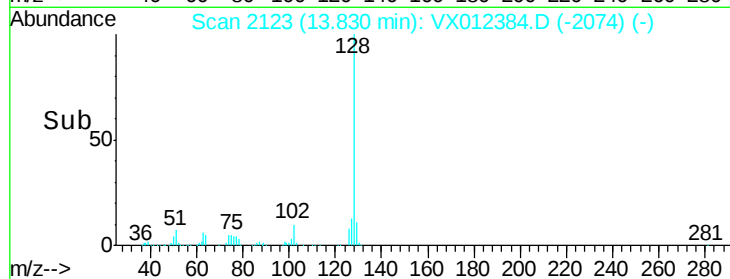
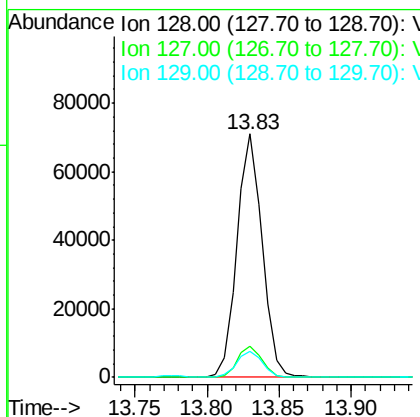
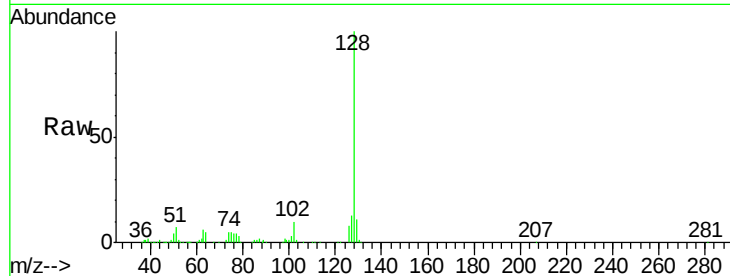
#95
Naphthalene
Concen: 18.407 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:13:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.713 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012384.D
Acq: 13 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.0	141.0
145	36.2	18.6	55.8

