

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010533.D
 Acq On : 28 Jun 2019 13:51
 Operator : JC/SP
 Sample : VX0628WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 11:35:42 AM

Quant Time: Jun 29 05:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	231934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	317053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	109340	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	5.50	113	105570	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.71	98	398221	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.13	95	142508	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29165	18.087	ug/l	98
3) Chloromethane	1.33	50	33506	17.845	ug/l	98
4) Vinyl Chloride	1.41	62	37057	18.019	ug/l	95
5) Bromomethane	1.64	94	23762	23.716	ug/l	98
6) Chloroethane	1.72	64	24727	20.379	ug/l	94
7) Trichlorofluoromethane	1.93	101	64002	19.632	ug/l	99
8) Diethyl Ether	2.19	74	23478	20.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	37581	19.022	ug/l	100
10) Methyl Iodide	2.51	142	49659	17.612	ug/l	99
11) Tert butyl alcohol	3.04	59	58098	102.101	ug/l	99
12) 1,1-Dichloroethene	2.37	96	37410	18.609	ug/l	99
13) Acrolein	2.29	56	34119	90.387	ug/l	96
14) Allyl chloride	2.73	41	53349	18.692	ug/l	98
15) Acrylonitrile	3.14	53	111632	99.087	ug/l	99
16) Acetone	2.45	43	99543	91.337	ug/l	95
17) Carbon Disulfide	2.57	76	84128	15.598	ug/l	99
18) Methyl Acetate	2.78	43	44834	20.641	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	124760	19.727	ug/l	98
20) Methylene Chloride	2.85	84	44241	19.725	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	40232	18.607	ug/l	100
22) Diisopropyl ether	3.85	45	118400	19.841	ug/l	98
23) Vinyl Acetate	3.82	43	508353	98.611	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67548	19.583	ug/l	99
25) 2-Butanone	4.68	43	155525	97.284	ug/l	96
26) 2,2-Dichloropropane	4.58	77	51813	17.292	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	49303	19.733	ug/l	98
28) Bromochloromethane	5.02	49	31696	19.219	ug/l	95
29) Tetrahydrofuran	5.13	42	98557	99.530	ug/l	99
30) Chloroform	5.21	83	73024	19.676	ug/l	94
31) Cyclohexane	5.58	56	58093	18.494	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	63078	19.248	ug/l	99
36) 1,1-Dichloropropene	5.80	75	51770	18.784	ug/l	99
37) Ethyl Acetate	4.83	43	55861	19.702	ug/l	97
38) Carbon Tetrachloride	5.79	117	54608	18.297	ug/l	97

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	64463	17.794	ug/l	96
40) Benzene	6.14	78	167528	19.511	ug/l	99
41) Methacrylonitrile	5.04	41	30588	19.662	ug/l	98
42) 1,2-Dichloroethane	6.20	62	53486	20.463	ug/l	99
43) Isopropyl Acetate	6.45	43	91083	19.416	ug/l	100
44) Trichloroethene	7.21	130	49550	19.285	ug/l	94
45) 1,2-Dichloropropane	7.51	63	43368	20.001	ug/l	97
46) Dibromomethane	7.66	93	29729	19.109	ug/l	99
47) Bromodichloromethane	7.90	83	53510	18.768	ug/l	97
48) Methyl methacrylate	7.77	41	42982	19.712	ug/l	100
49) 1,4-Dioxane	7.74	88	24877	396.047	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	306950	102.310	ug/l	99
52) Toluene	8.79	92	108505	19.189	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	56154	17.568	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	62008	17.851	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	46672	20.013	ug/l	98
56) Ethyl methacrylate	9.18	69	68178	19.299	ug/l	97
57) 1,3-Dichloropropane	9.37	76	71849	19.848	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	159781	95.233	ug/l	99
59) 2-Hexanone	9.49	43	238674	101.079	ug/l	99
60) Dibromochloromethane	9.58	129	46380	17.763	ug/l	98
61) 1,2-Dibromoethane	9.67	107	48374	19.218	ug/l	98
64) Tetrachloroethene	9.34	164	49024	19.117	ug/l	98
65) Chlorobenzene	10.14	112	122774	19.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	44245	18.871	ug/l	99
67) Ethyl Benzene	10.25	91	208554	19.192	ug/l	100
68) m/p-Xylenes	10.36	106	162447	38.581	ug/l	99
69) o-Xylene	10.69	106	79849	19.284	ug/l	97
70) Styrene	10.71	104	133548	19.232	ug/l	100
71) Bromoform	10.85	173	34034	16.692	ug/l #	100
73) Isopropylbenzene	11.02	105	208337	19.285	ug/l	99
74) N-amyl acetate	10.90	43	79612	19.500	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	71508	19.987	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	57623m	19.842	ug/l	
77) Bromobenzene	11.26	156	57760	19.148	ug/l	100
78) n-propylbenzene	11.36	91	229728	19.349	ug/l	100
79) 2-Chlorotoluene	11.42	91	137830	19.495	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	171310	19.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19586	15.734	ug/l	91
82) 4-Chlorotoluene	11.51	91	156347	19.434	ug/l	99
83) tert-Butylbenzene	11.77	119	171046	19.136	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	174081	19.456	ug/l	98
85) sec-Butylbenzene	11.94	105	199932	19.050	ug/l	100
86) p-Isopropyltoluene	12.06	119	185115	19.069	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	100001	18.992	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	101765	18.984	ug/l	100
89) n-Butylbenzene	12.38	91	153939	18.661	ug/l	99
90) Hexachloroethane	12.60	117	28242	16.825	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	99826	19.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14299	18.537	ug/l	91

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

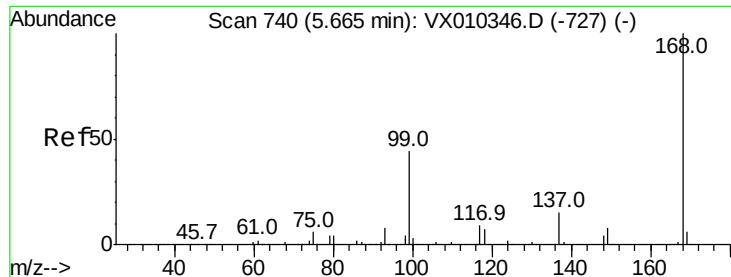
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	68416	18.852	ug/l	98
94) Hexachlorobutadiene	13.78	225	32228	18.170	ug/l	99
95) Naphthalene	13.83	128	214218	19.208	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	69578	19.283	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:168 Resp: 231934

Ion Ratio Lower Upper

168 100

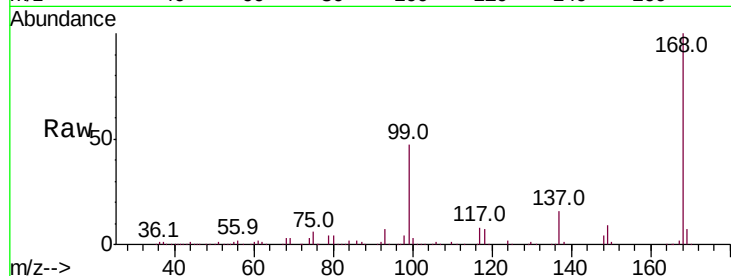
99 47.3 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

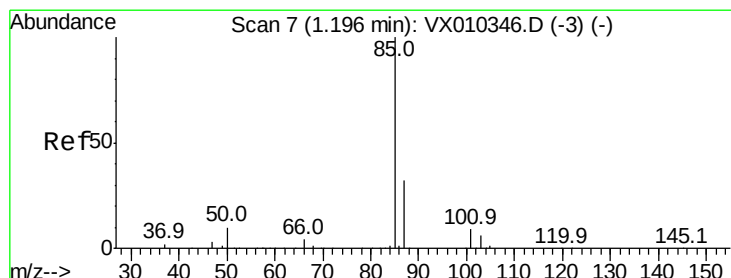
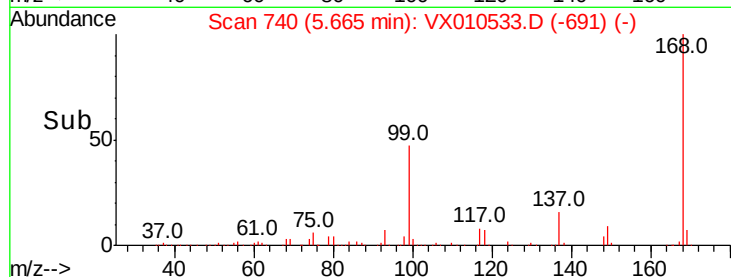
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.087 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010533.D

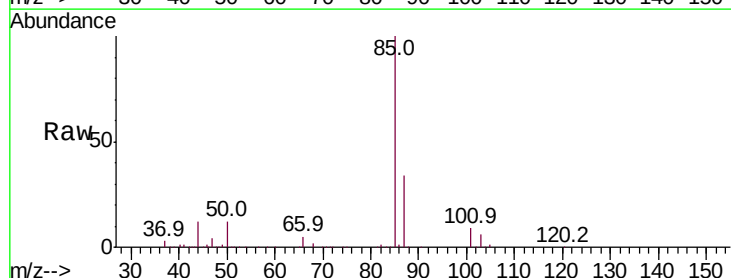
Acq: 28 Jun 2019 13:51

Tgt Ion: 85 Resp: 29165

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

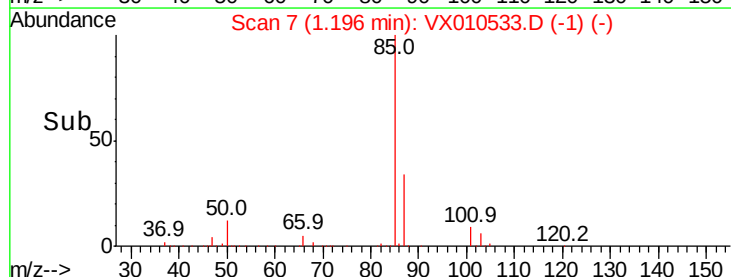
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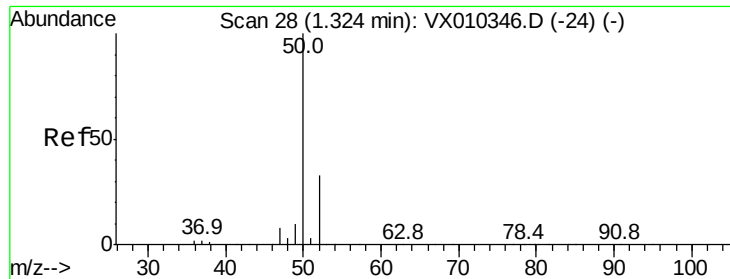
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.845 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampled :

VX0628WBSD01

Tot Ion: 50 Resp: 33506

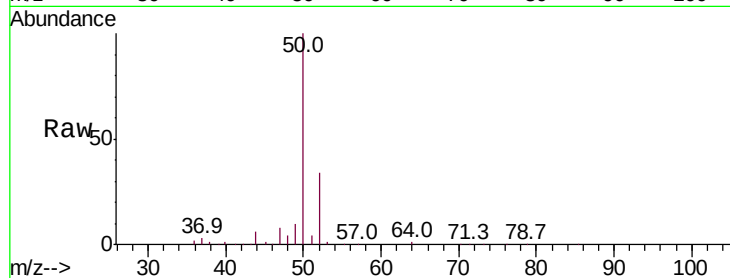
Ion Ratio Lower Upper

50 100

52 34.2 26.5 39.7

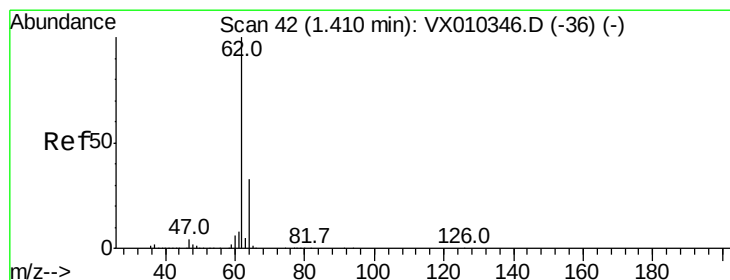
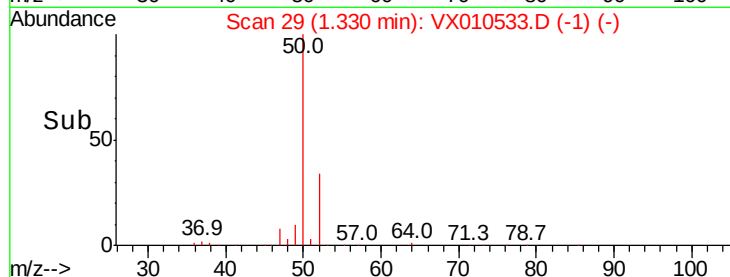
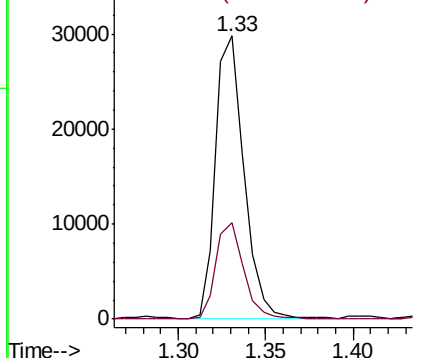
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.019 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010533.D

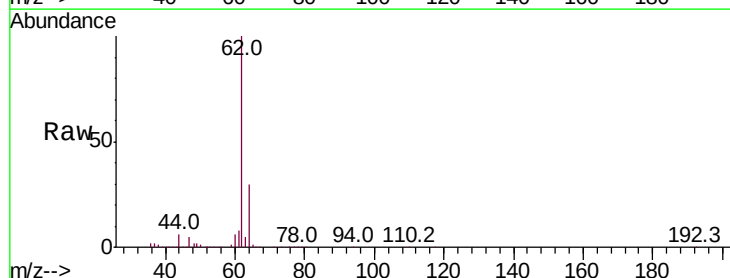
Acq: 28 Jun 2019 13:51

Tgt Ion: 62 Resp: 37057

Ion Ratio Lower Upper

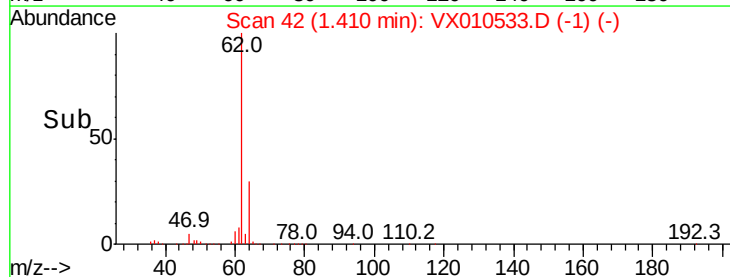
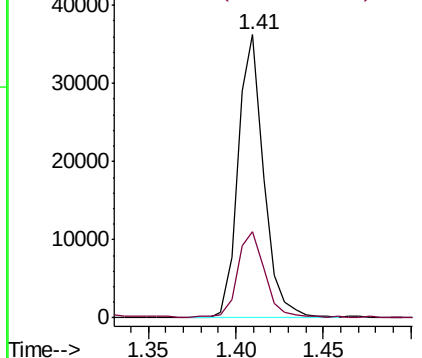
62 100

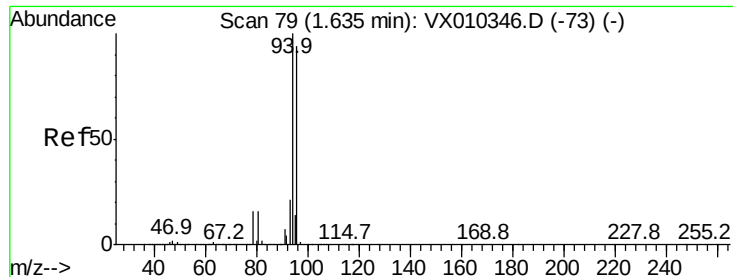
64 30.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.716 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampled :

VX0628WBSD01

Tot Ion: 94 Resp: 23762

Ion Ratio Lower Upper

94 100

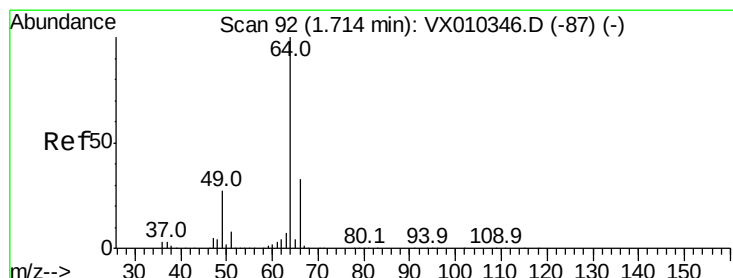
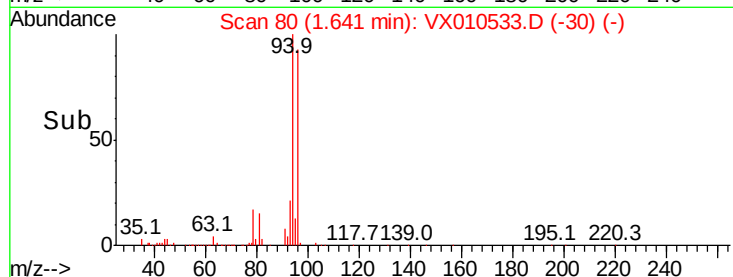
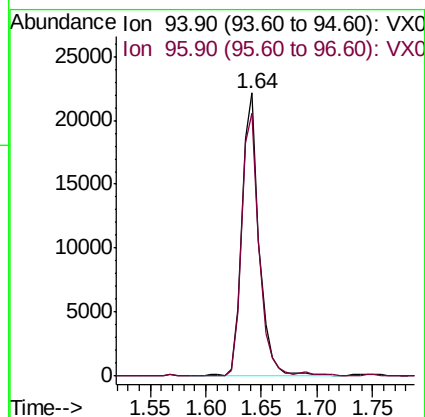
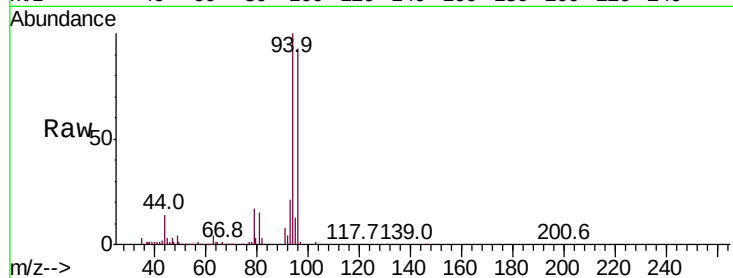
96 92.7 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 20.379 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010533.D

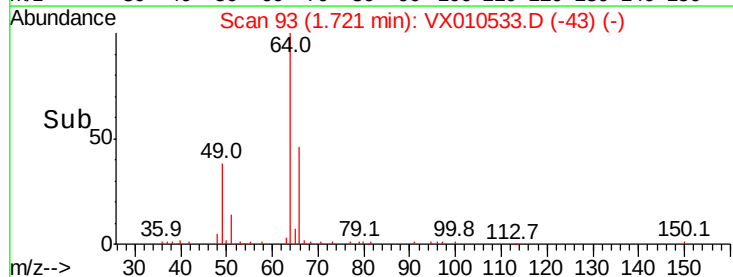
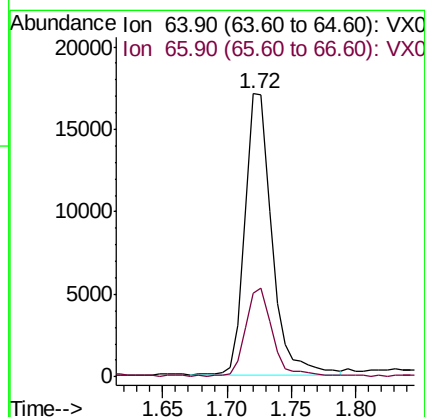
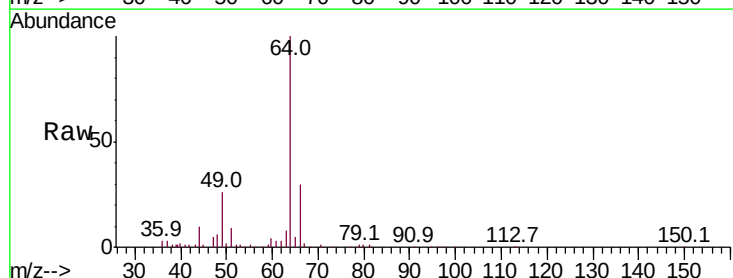
Acq: 28 Jun 2019 13:51

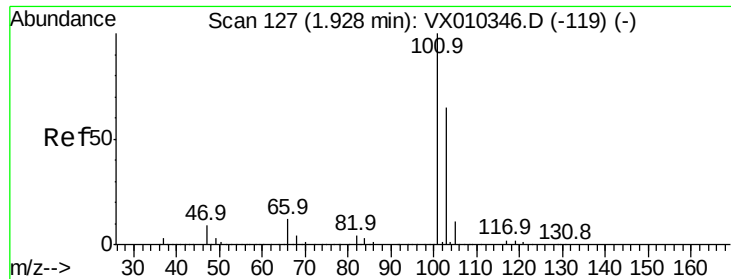
Tgt Ion: 64 Resp: 24727

Ion Ratio Lower Upper

64 100

66 29.7 26.6 40.0





#7

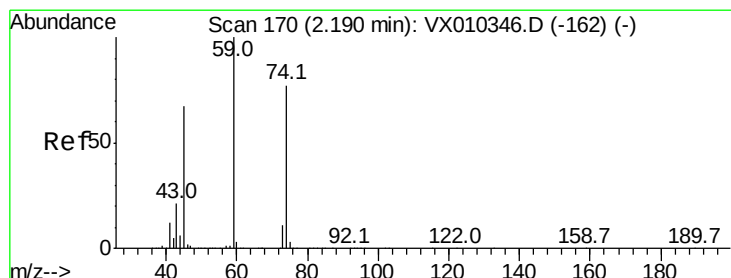
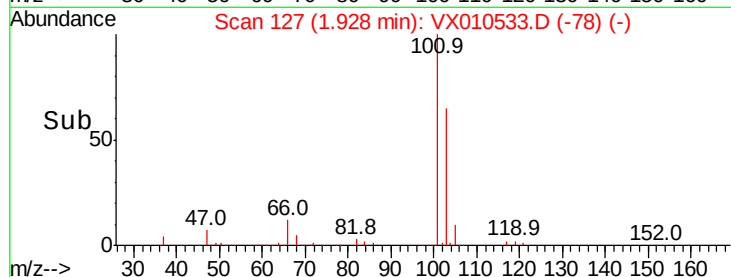
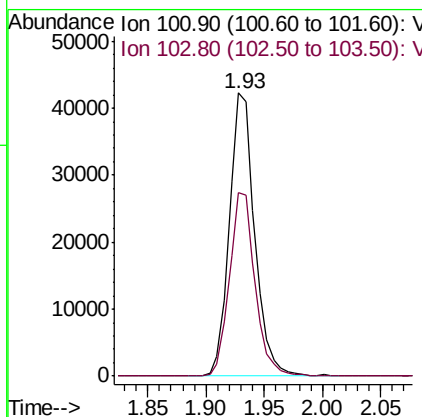
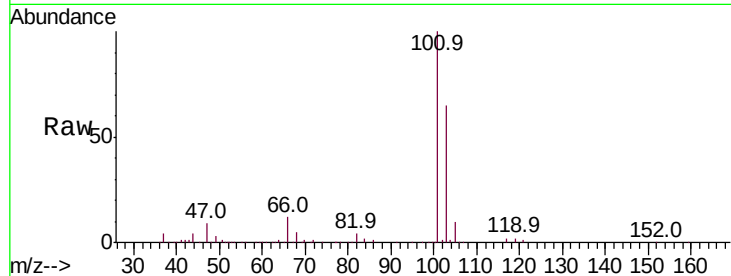
Trichlorofluoromethane
Concen: 19.632 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.3	78.5

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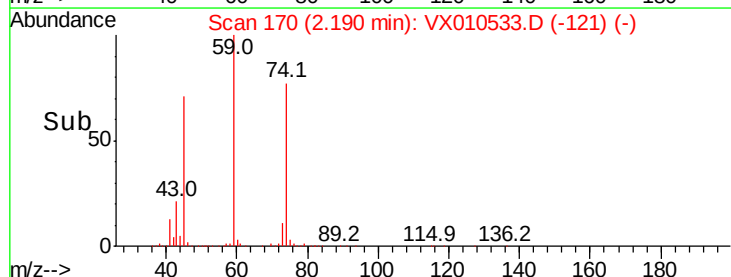
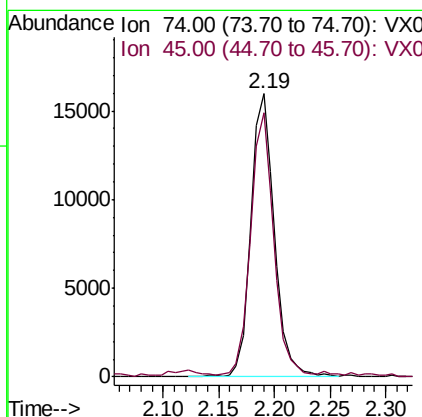
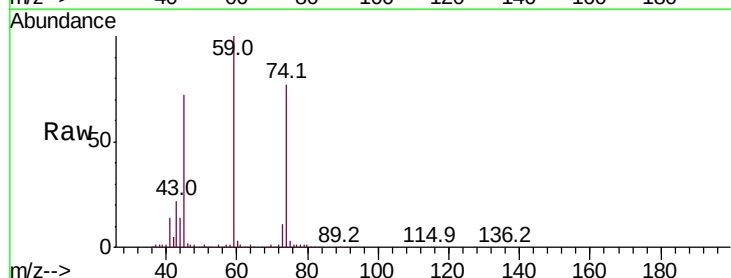
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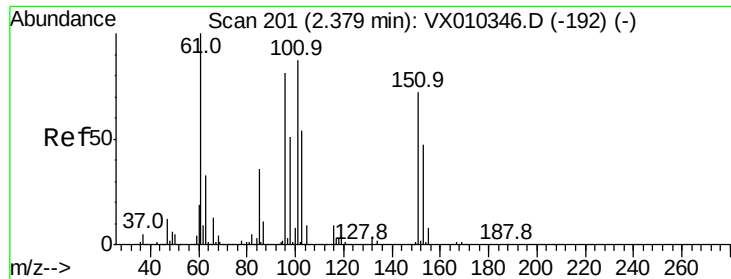


#8

Diethyl Ether
Concen: 20.082 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.022 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

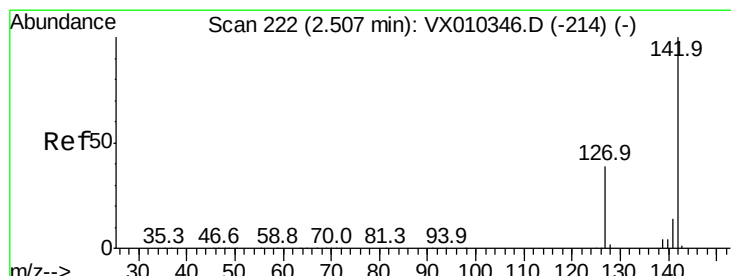
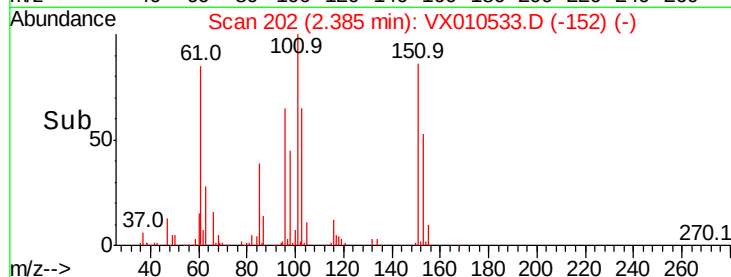
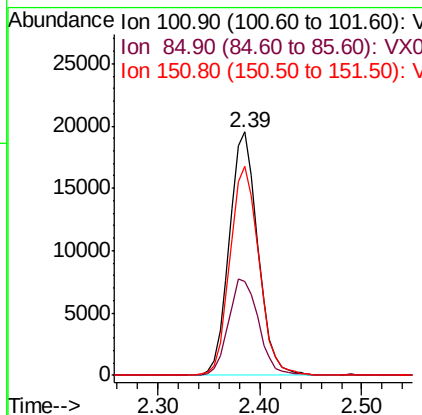
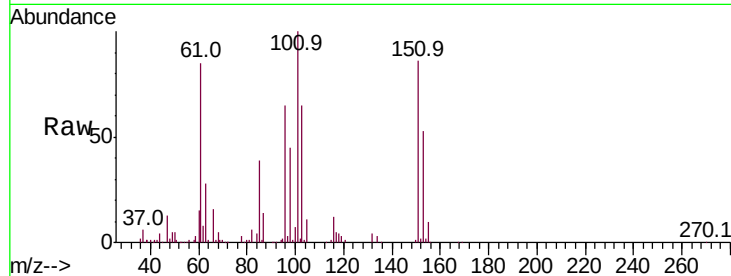
ClientSampled :

VX0628WBSD01

Tot Ion:	101	Resp:	37581
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.7	50.5
151	87.5	70.1	105.1

Manual Integrations
APPROVED

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7/1/2019 11:35:42 AM



#10

Methyl Iodide

Concen: 17.612 ug/l

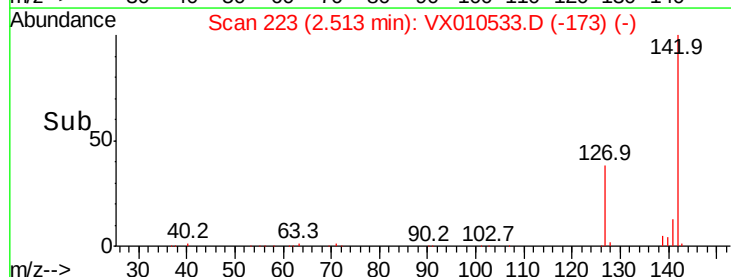
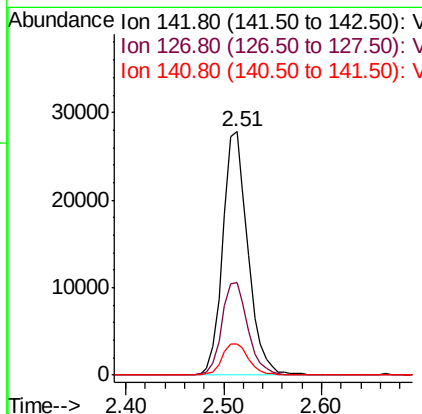
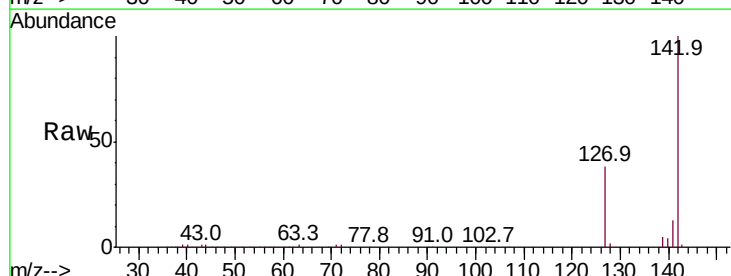
RT: 2.51 min Scan# 223

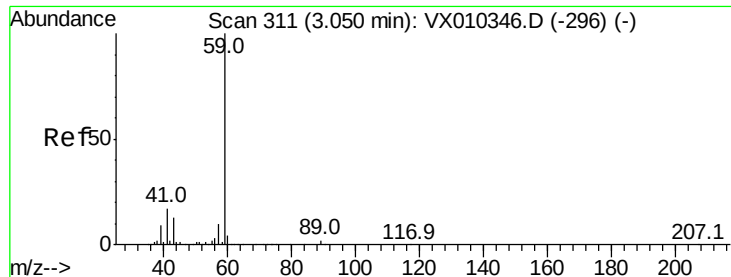
Delta R.T. 0.01 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion:	142	Resp:	49659
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.1	46.7
141	13.5	11.2	16.8





#11

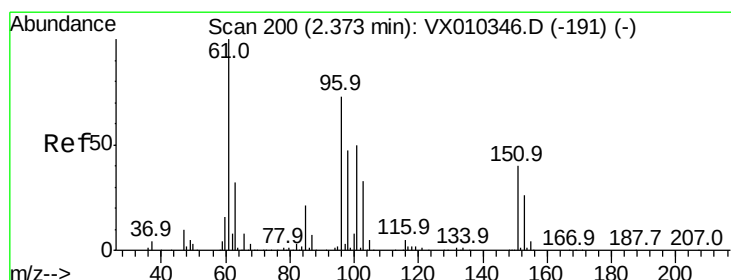
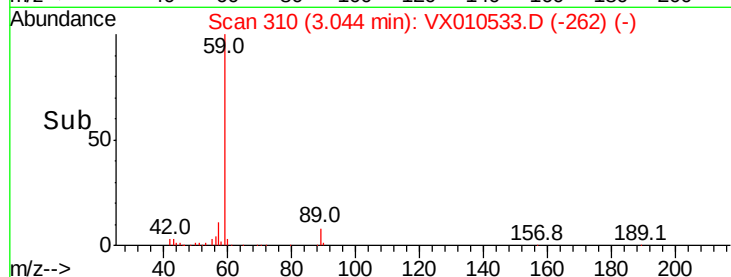
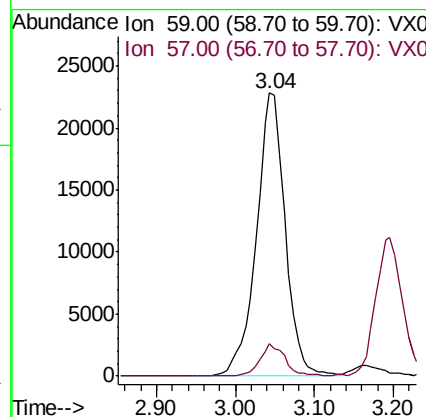
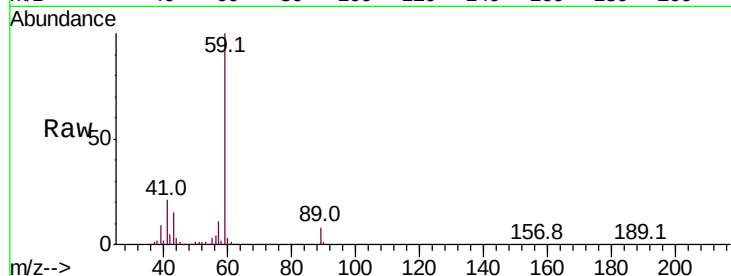
Tert butyl alcohol
Concen: 102.101 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampled :
VX0628WBSD01

Tot Ion	59	Resp	58098
Ion Ratio	100	Lower	Upper
57	10.1	7.7	11.5

Manual Integrations
APPROVED

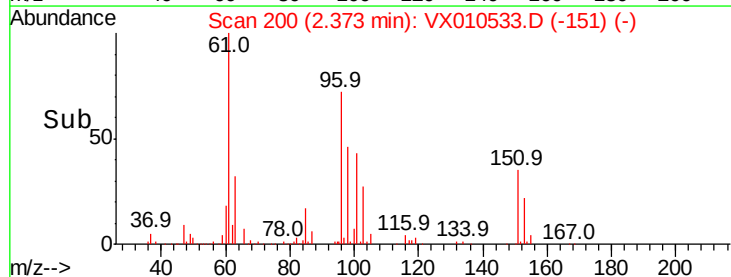
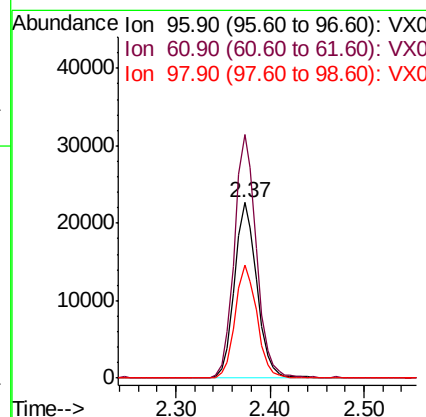
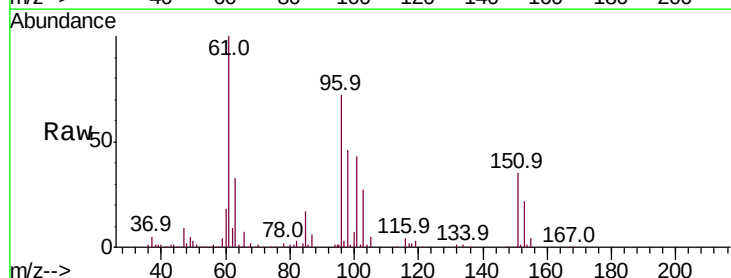
MMDadoda
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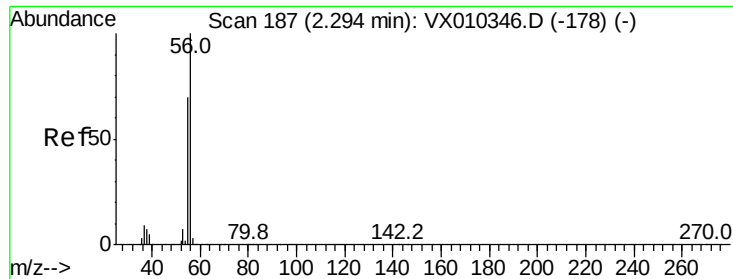


#12

1,1-Dichloroethene
Concen: 18.609 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	96	Resp	37410
Ion Ratio	100	Lower	Upper
61	138.6	109.2	163.8
98	64.2	51.1	76.7





#13

Acrolein

Concen: 90.387 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 56 Resp: 34119

Ion Ratio Lower Upper

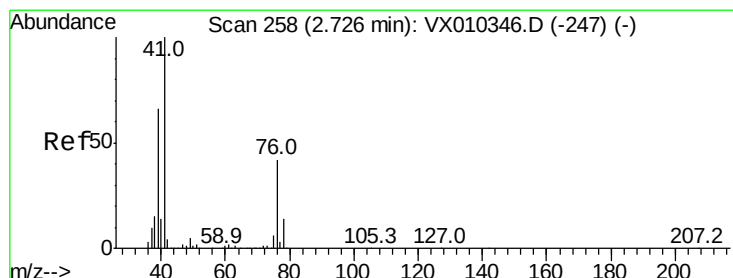
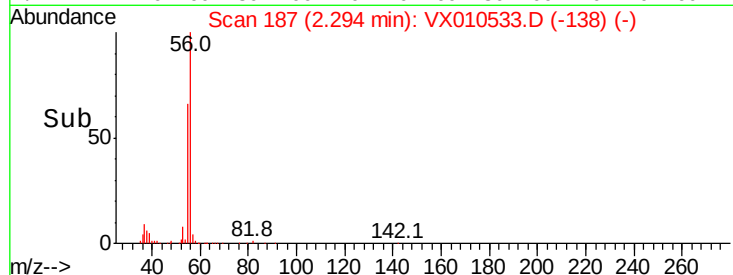
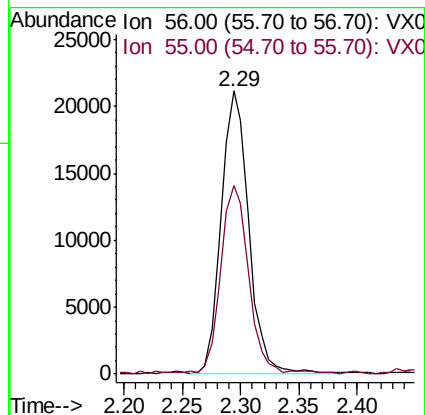
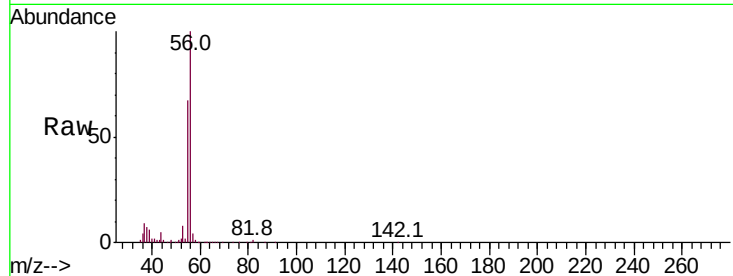
56 100

55 67.6 56.9 85.3

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 18.692 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

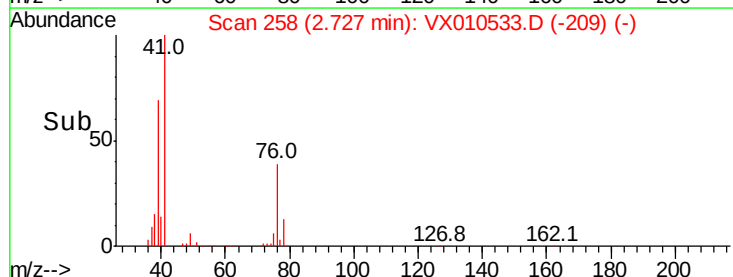
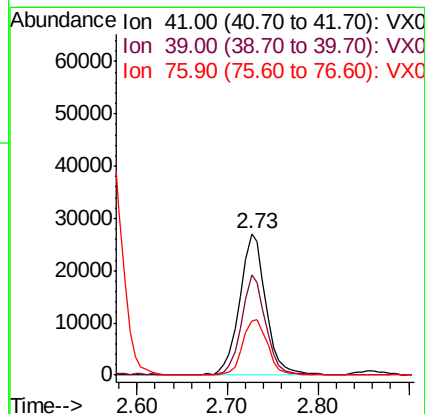
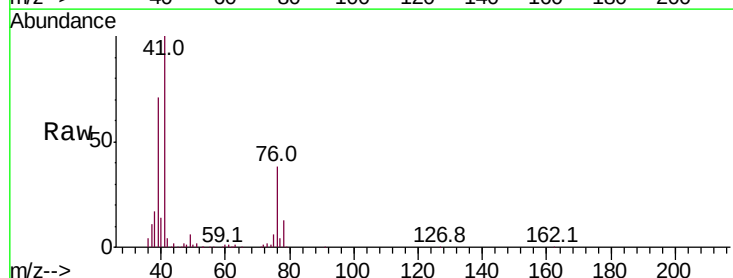
Tgt Ion: 41 Resp: 53349

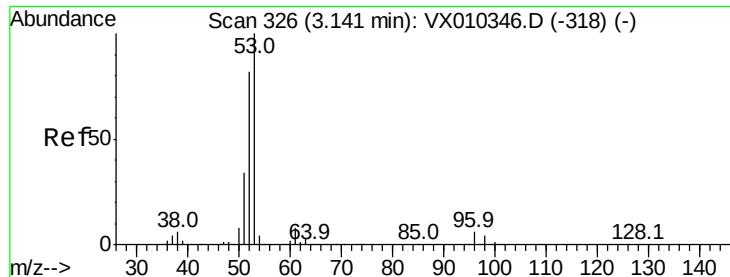
Ion Ratio Lower Upper

41 100

39 64.8 50.3 75.5

76 38.1 31.3 46.9





#15

Acrylonitrile

Concen: 99.087 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

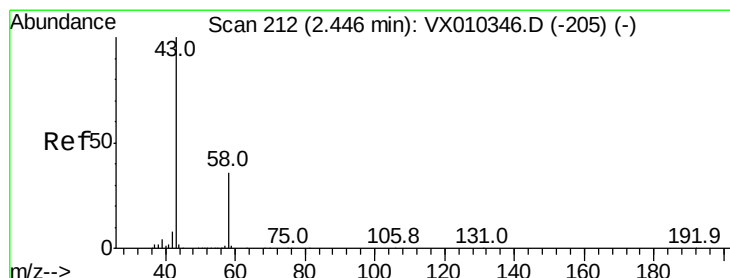
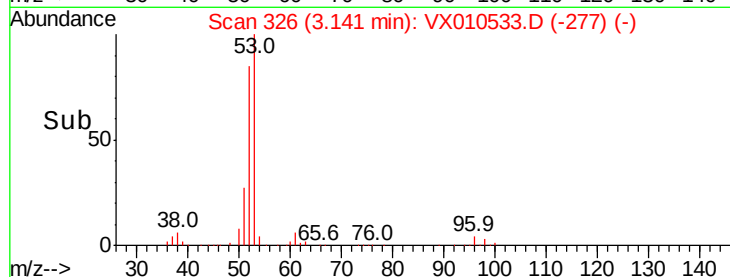
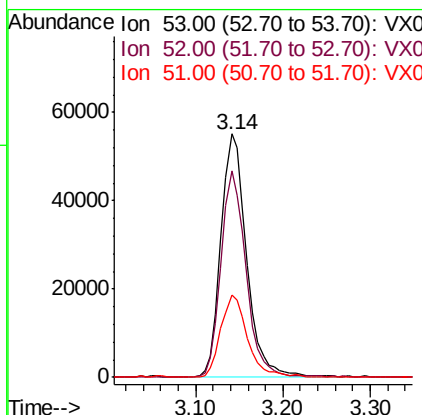
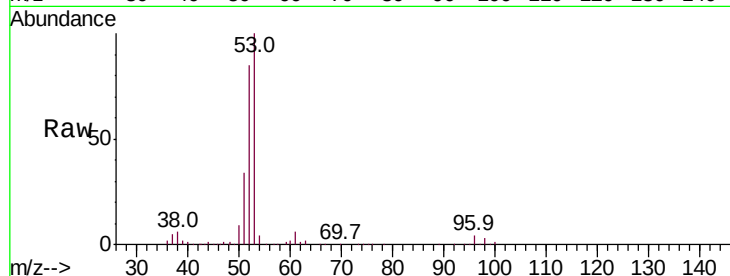
ClientSampled :

VX0628WBSD01

Tot Ion:	53	Resp:	111632
Ion Ratio	Lower	Upper	
53	100		
52	83.7	65.5	98.3
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 91.337 ug/l

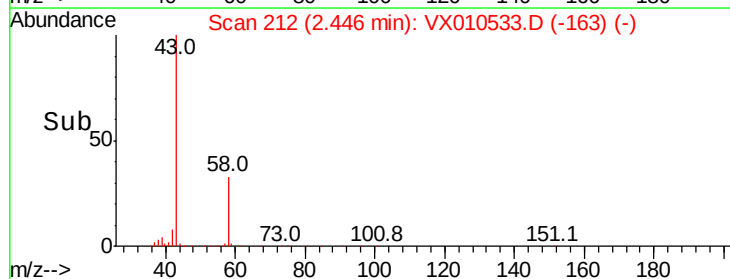
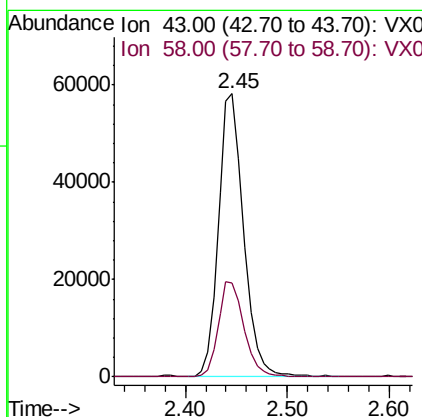
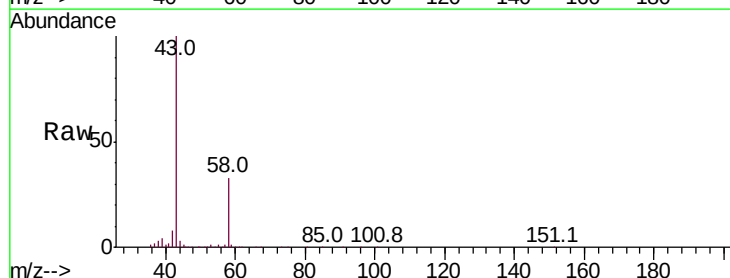
RT: 2.45 min Scan# 212

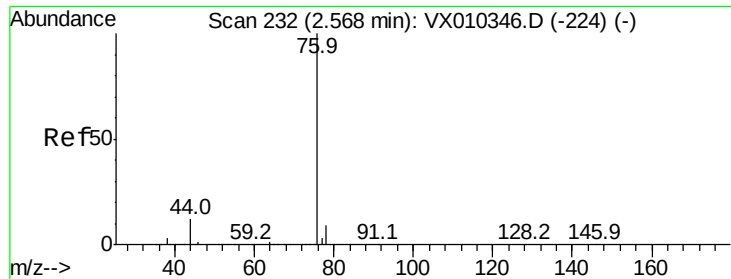
Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion:	43	Resp:	99543
Ion Ratio	Lower	Upper	
43	100		
58	33.3	28.9	43.3





#17

Carbon Disulfide

Concen: 15.598 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 76 Resp: 84128

Ion Ratio Lower Upper

76 100

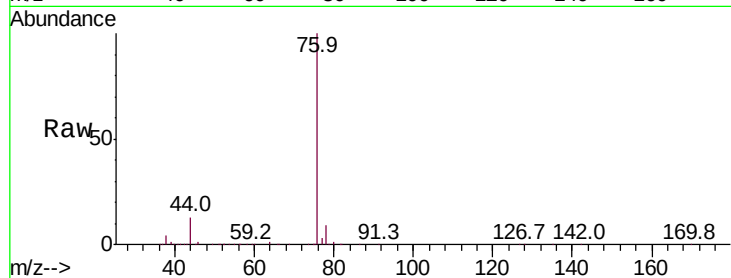
78 8.7 7.3 10.9

Manual Integrations

APPROVED

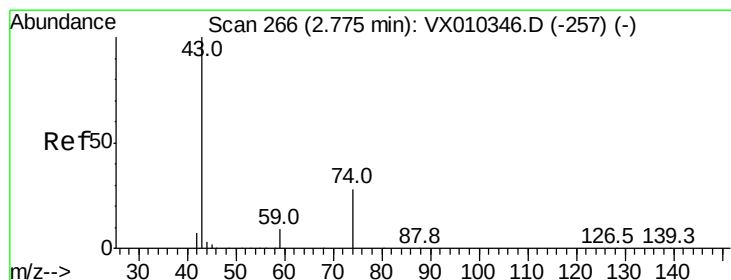
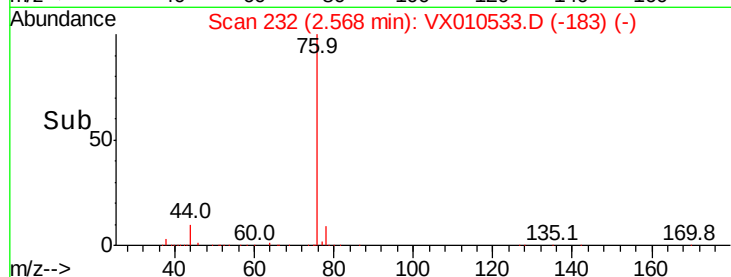
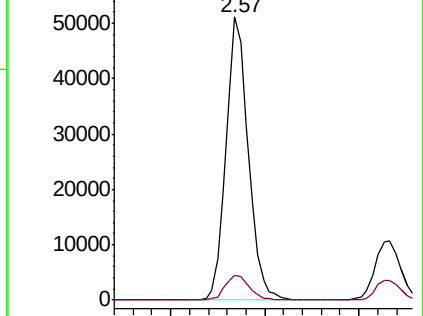
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.641 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010533.D

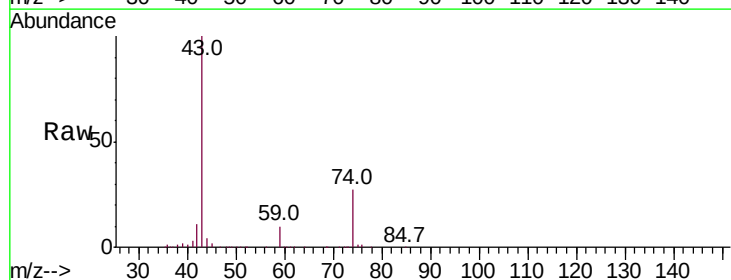
Acq: 28 Jun 2019 13:51

Tgt Ion: 43 Resp: 44834

Ion Ratio Lower Upper

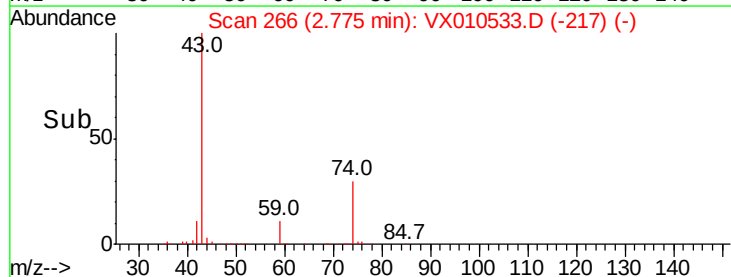
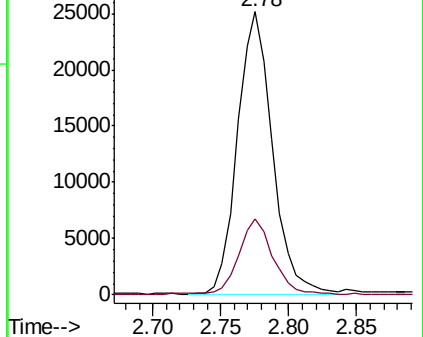
43 100

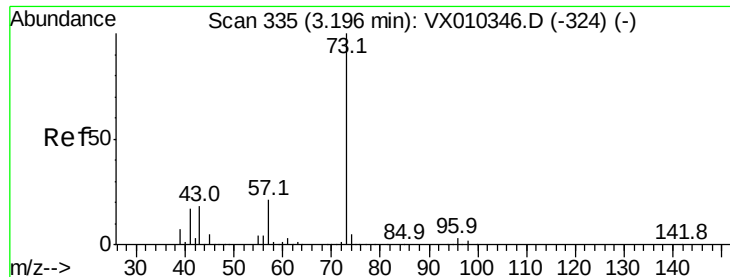
74 27.3 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

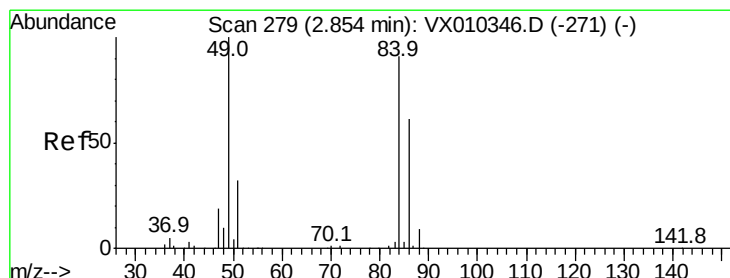
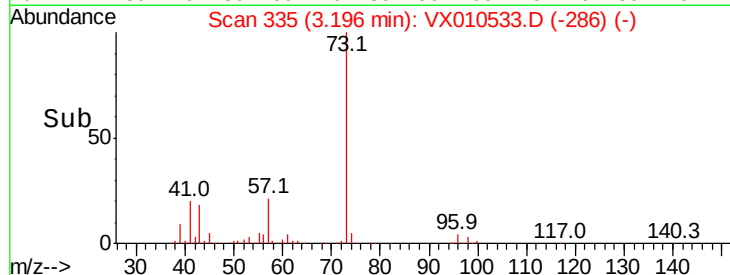
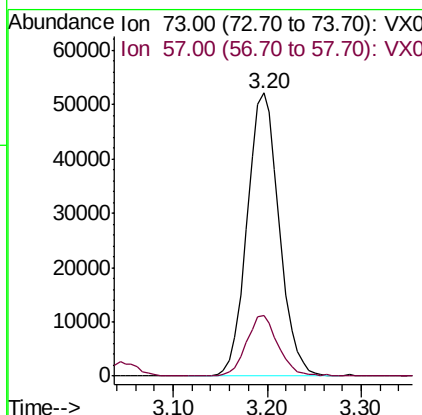
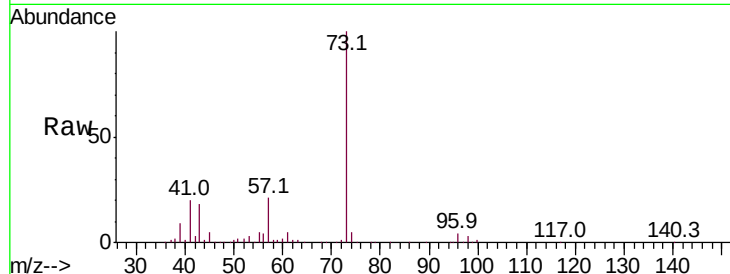
Methyl tert-butyl Ether
 Concen: 19.727 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.4	24.6

Manual Integrations
 APPROVED

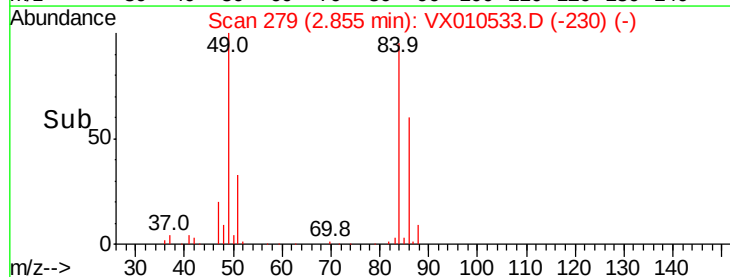
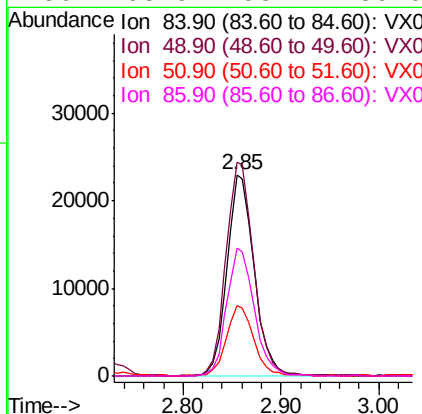
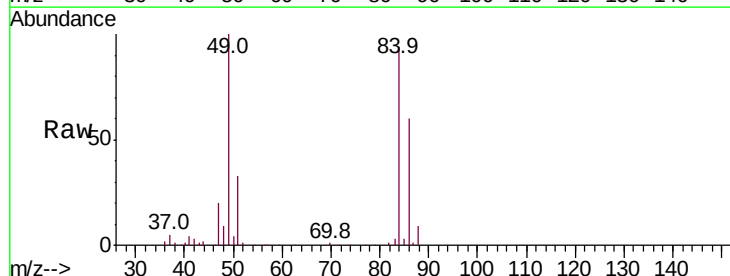
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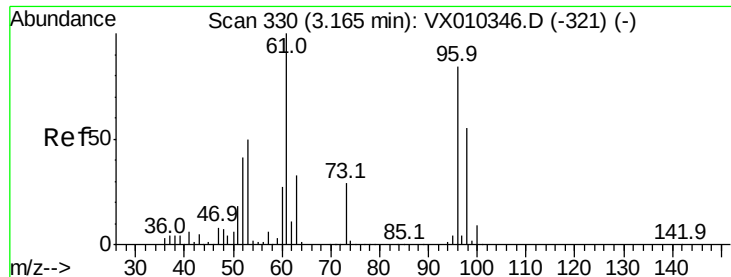


#20

Methylene Chloride
 Concen: 19.725 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.7	87.5	131.3
51	34.6	27.7	41.5
86	63.9	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 18.607 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 96 Resp: 40232

Ion Ratio Lower Upper

96 100

61 119.3 95.6 143.4

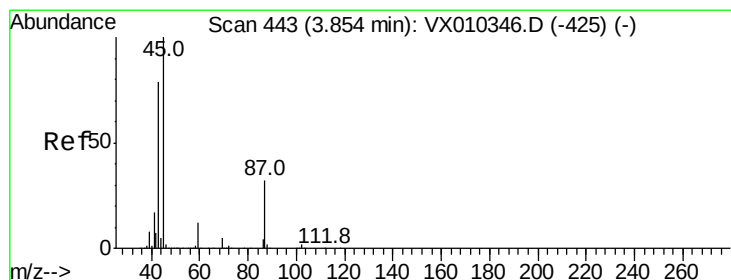
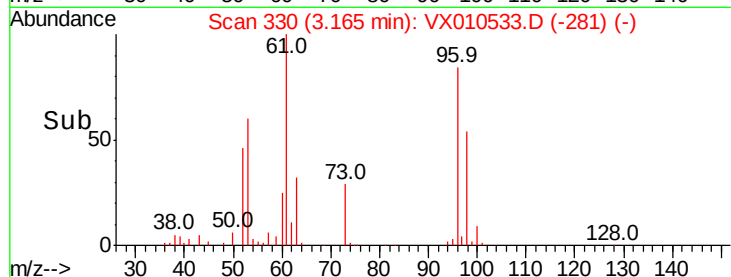
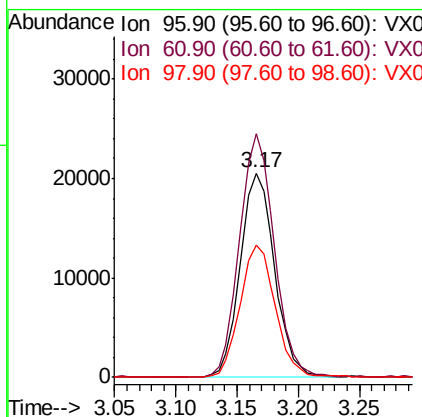
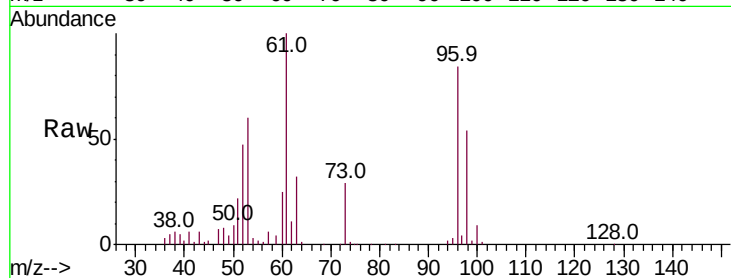
98 64.9 52.5 78.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.841 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion: 45 Resp: 118400

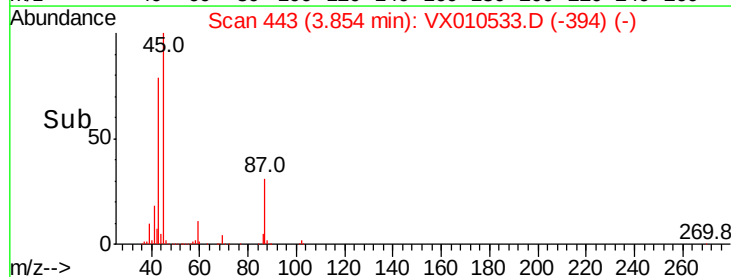
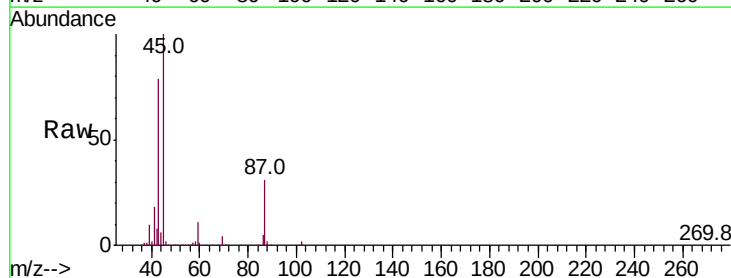
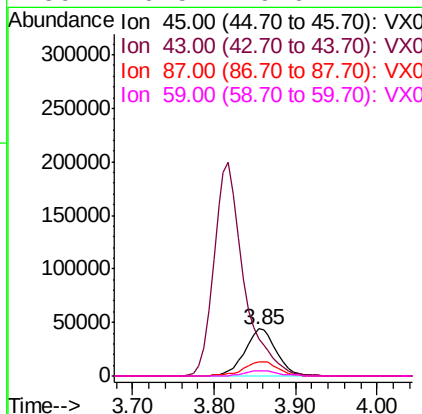
Ion Ratio Lower Upper

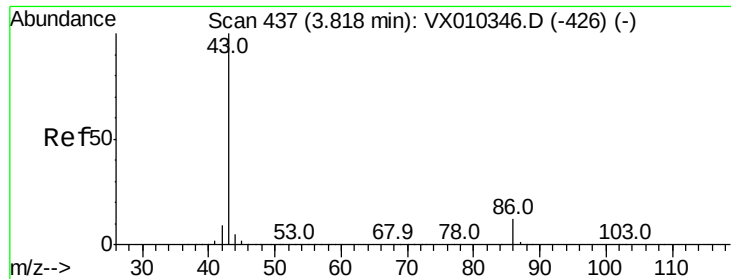
45 100

43 77.9 63.3 94.9

87 30.9 25.8 38.8

59 10.5 9.6 14.4





#23

Vinyl Acetate

Concen: 98.611 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 43 Resp: 508353

Ion Ratio Lower Upper

43 100

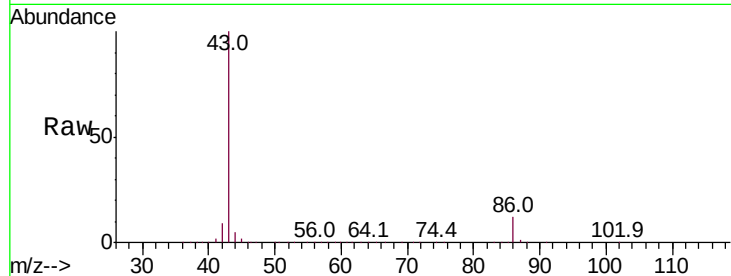
86 12.2 9.9 14.9

Manual Integrations

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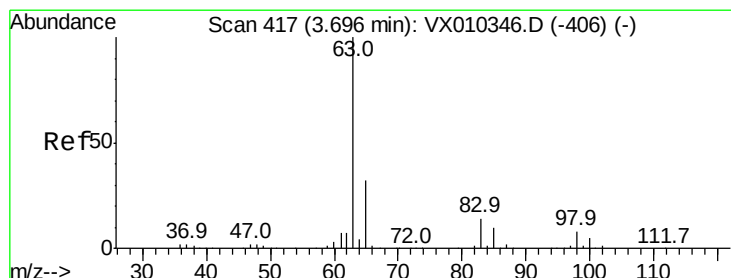
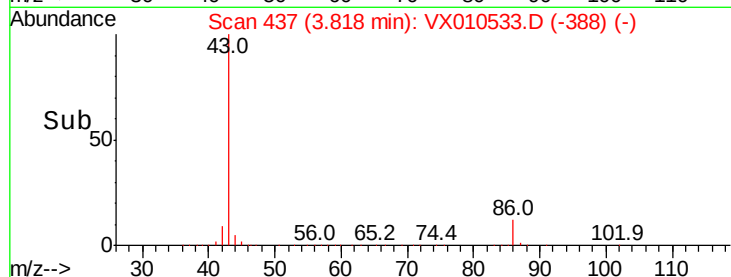
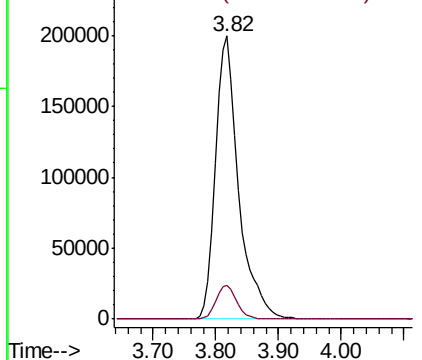
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.583 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

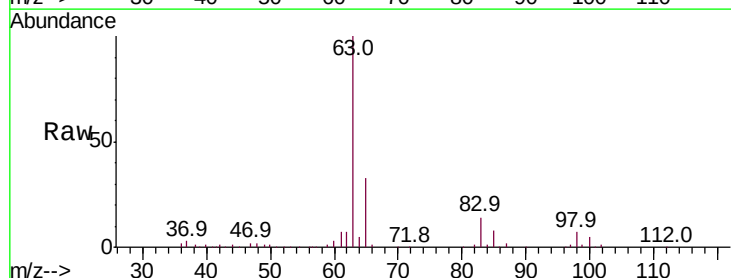
Tgt Ion: 63 Resp: 67548

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

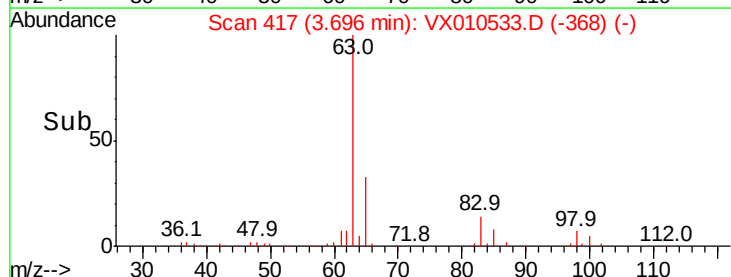
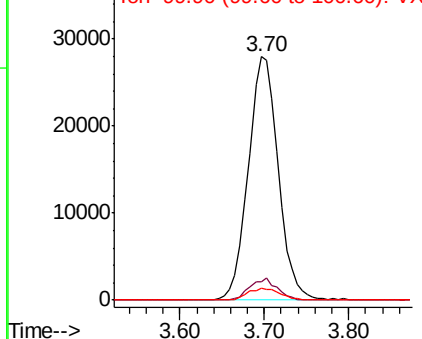
100 5.0 2.4 7.1

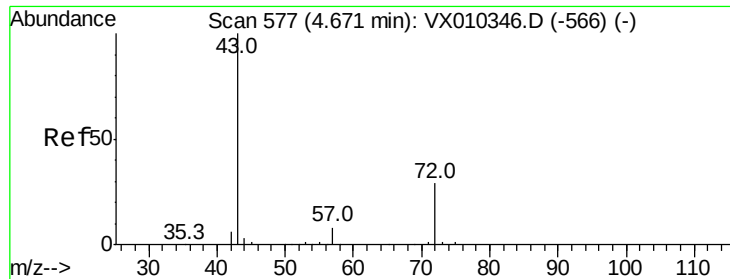


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 97.284 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 43 Resp: 15525

Ion Ratio Lower Upper

43 100

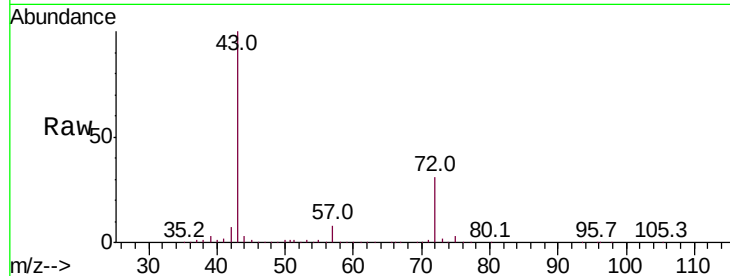
72 31.1 23.3 34.9

Manual Integrations

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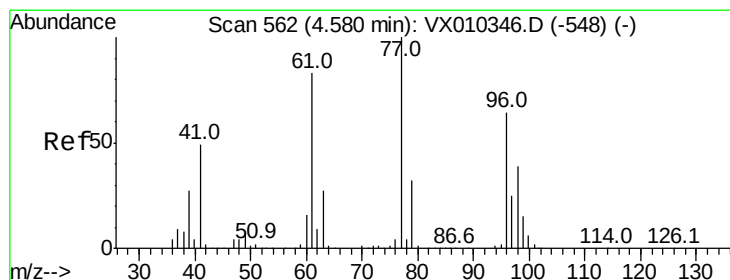
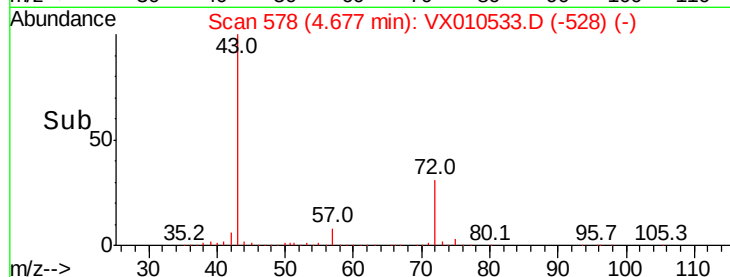
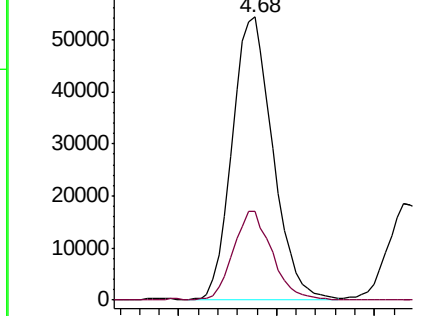
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.292 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010533.D

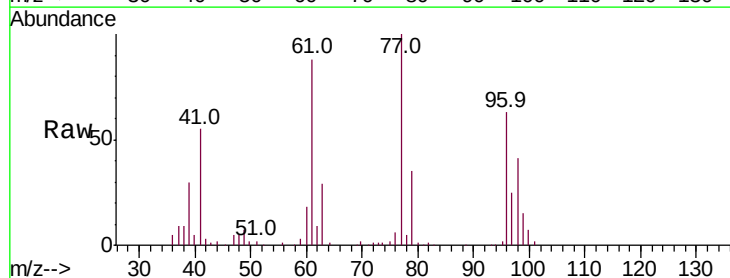
Acq: 28 Jun 2019 13:51

Tgt Ion: 77 Resp: 51813

Ion Ratio Lower Upper

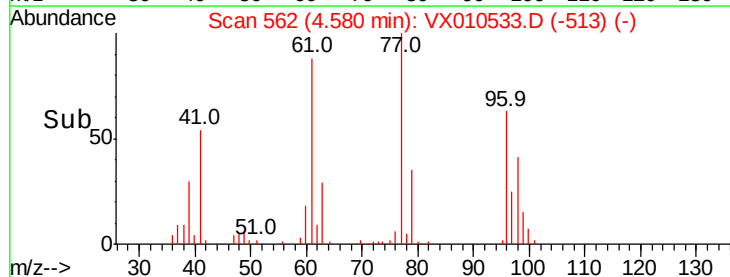
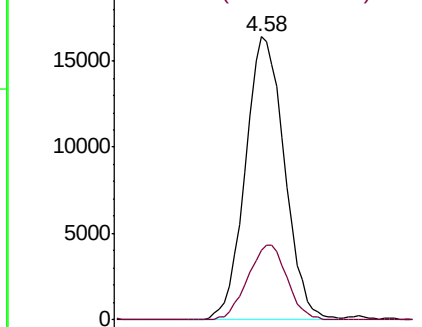
77 100

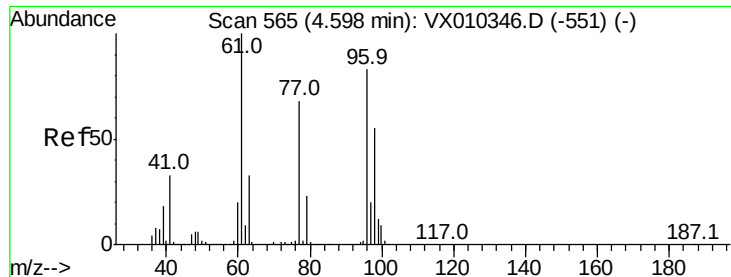
97 26.6 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





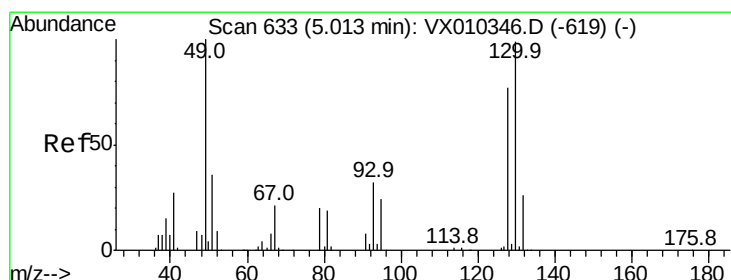
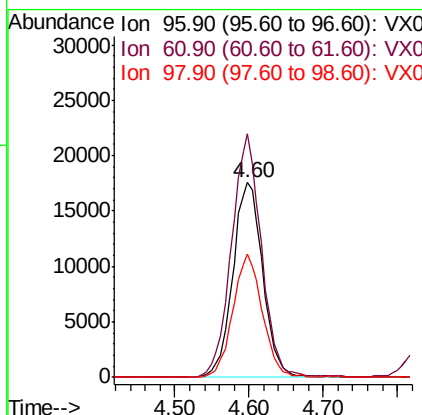
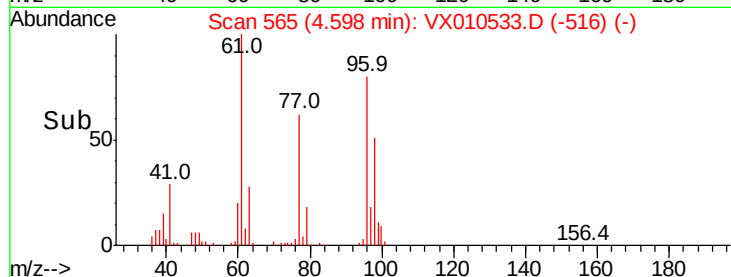
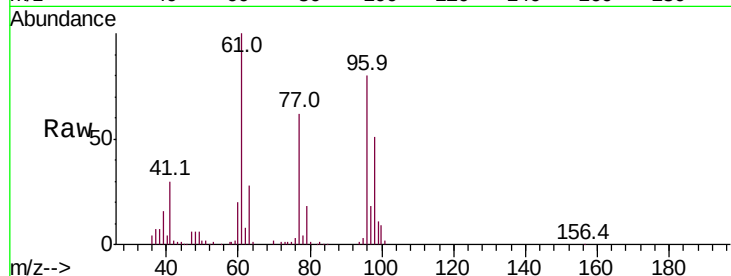
#27
 cis-1,2-Dichloroethene
 Concen: 19.733 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.7	0.0	251.8
98	62.3	0.0	129.4

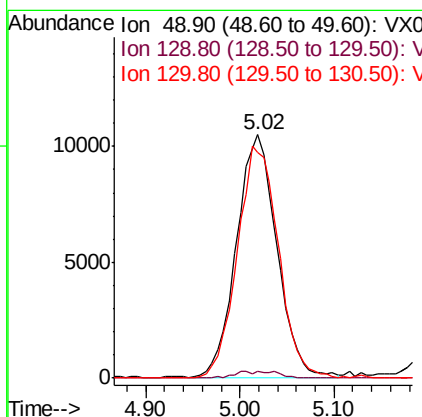
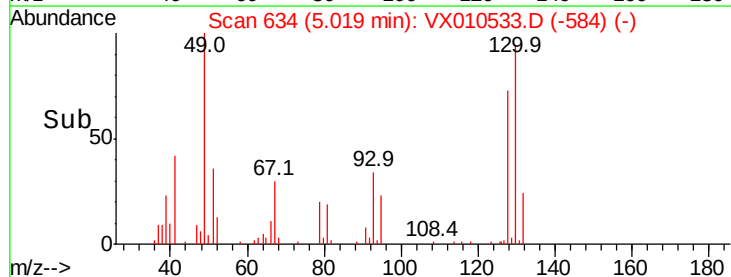
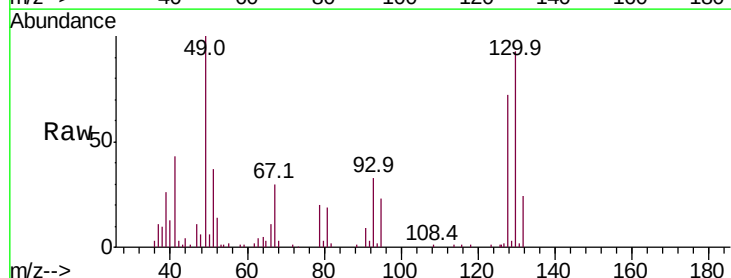
Manual Integrations
 APPROVED

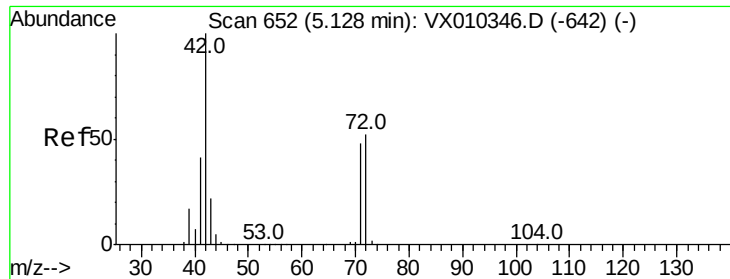
MMDadoda
 7/1/2019 11:35:42 AM



#28
 Bromochloromethane
 Concen: 19.219 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.6
130	96.6	81.4	122.0





#29

Tetrahydrofuran

Concen: 99.530 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

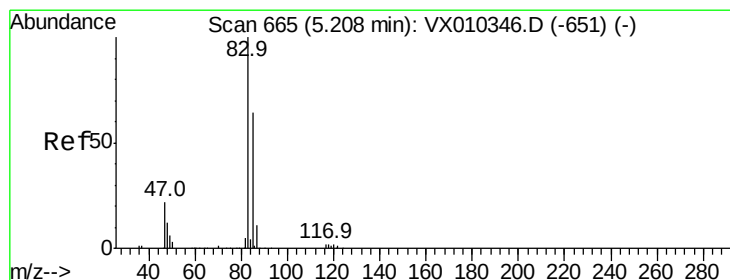
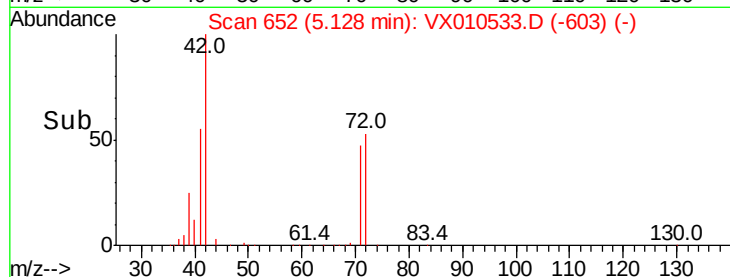
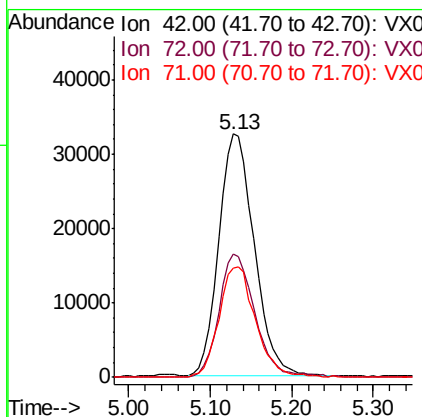
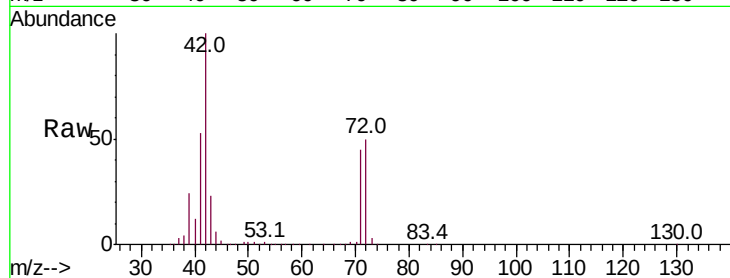
ClientSampleId :

VX0628WBSD01

Tot Ion:	42	Resp:	98557
Ion Ratio	Lower	Upper	
42	100		
72	51.7	40.6	60.8
71	47.1	37.8	56.8

Manual Integrations
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7/1/2019 11:35:42 AM



#30

Chloroform

Concen: 19.676 ug/l

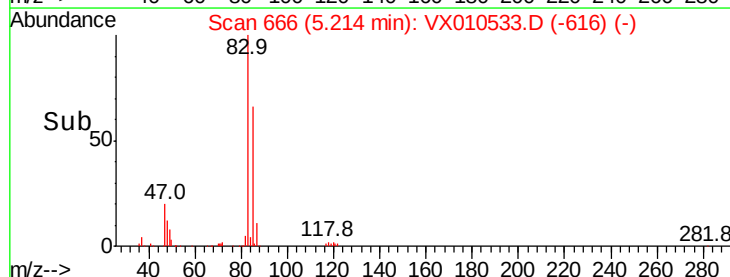
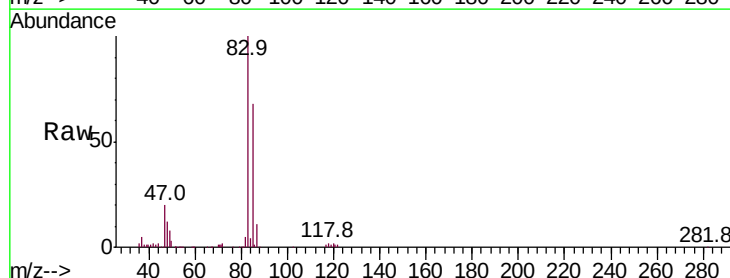
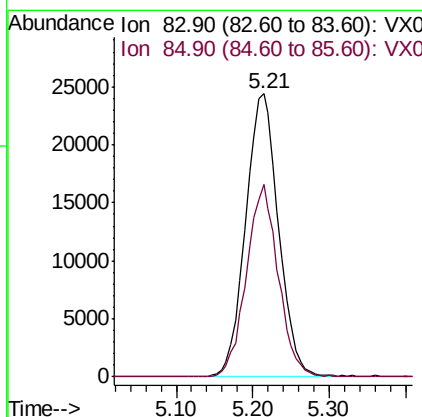
RT: 5.21 min Scan# 666

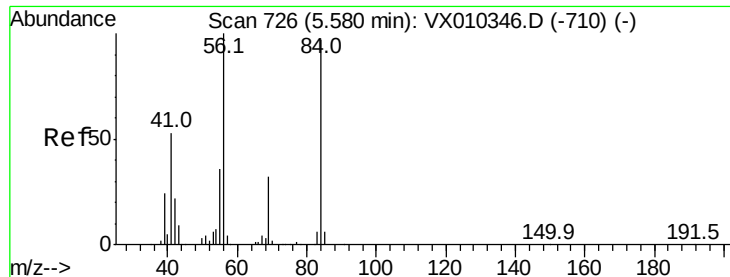
Delta R.T. 0.01 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion:	83	Resp:	73024
Ion Ratio	Lower	Upper	
83	100		
85	68.0	50.9	76.3





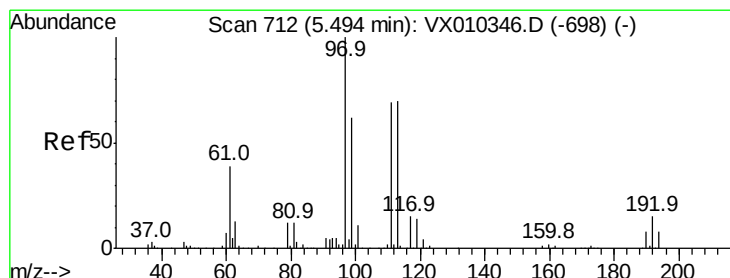
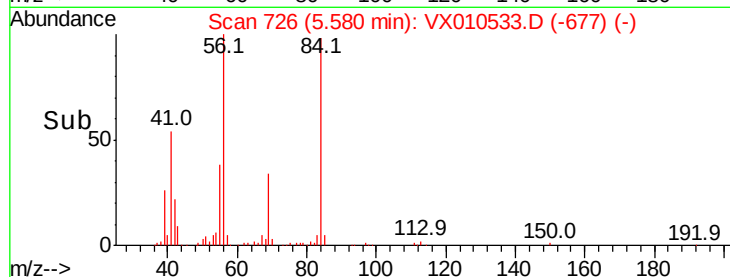
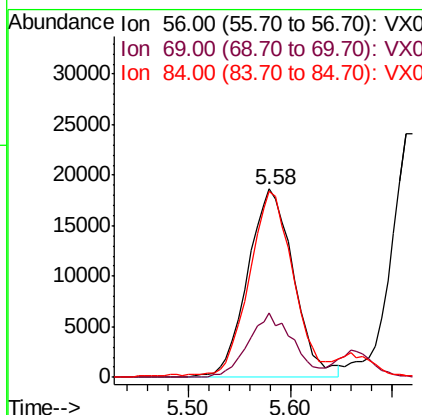
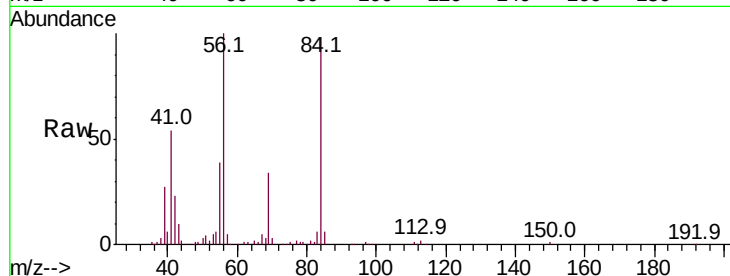
#31
Cyclohexane
Concen: 18.494 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	34.4	25.9	38.9	
84	96.6	78.0	117.0	

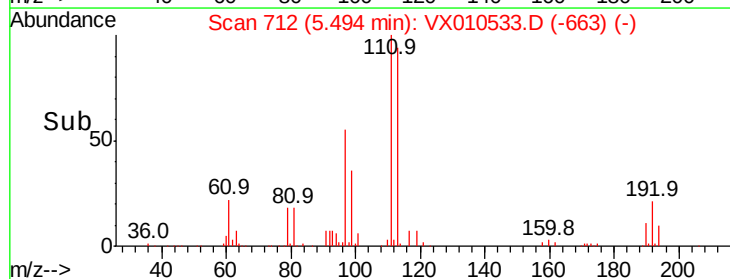
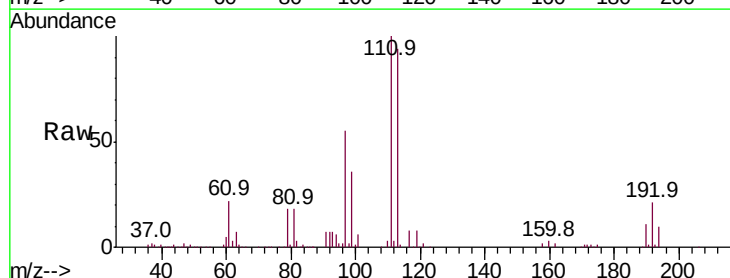
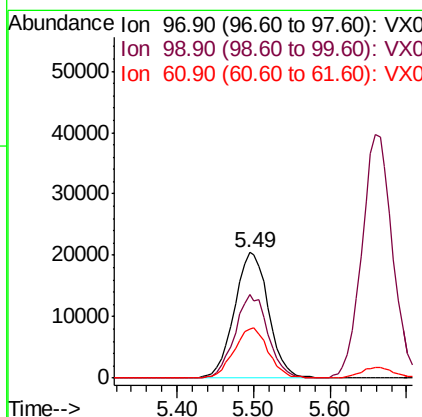
Manual Integrations
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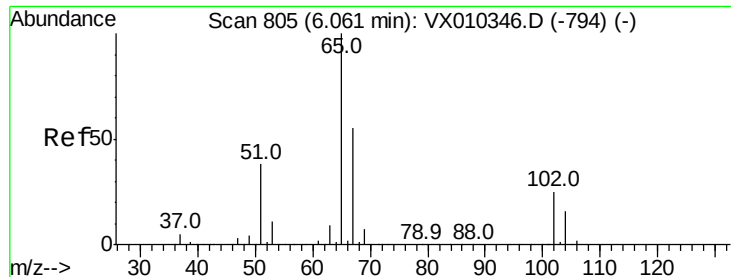
MMDadoda
7/1/2019 11:35:42 AM



#32
1,1,1-Trichloroethane
Concen: 19.248 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	64.3	51.8	77.8	
61	40.4	32.1	48.1	





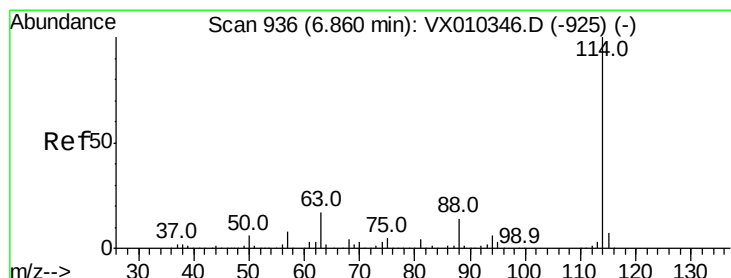
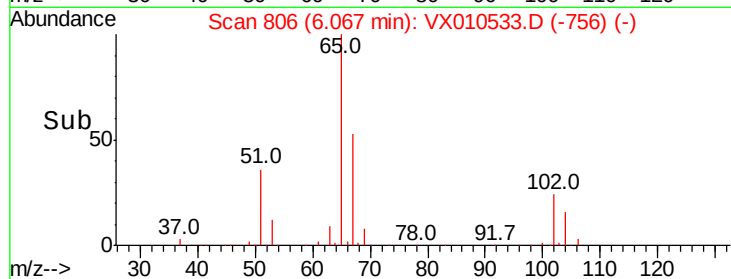
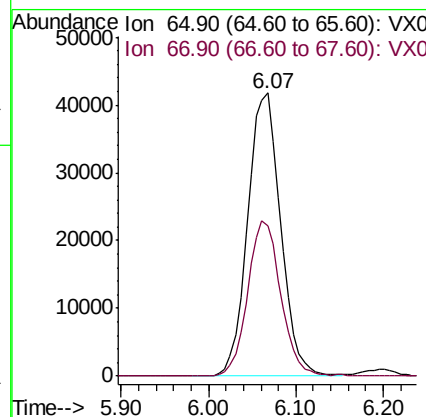
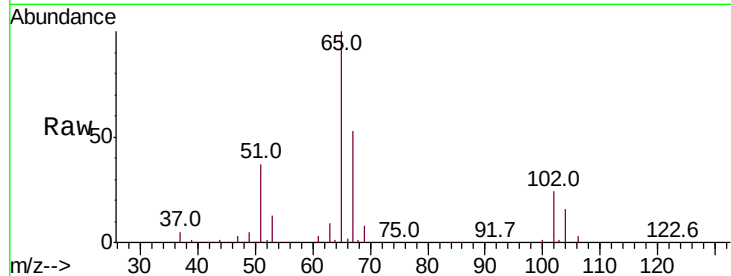
#33
 1,2-Dichloroethane-d4
 Concen: 50.280 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109340		
67	54.9	0.0	110.2	

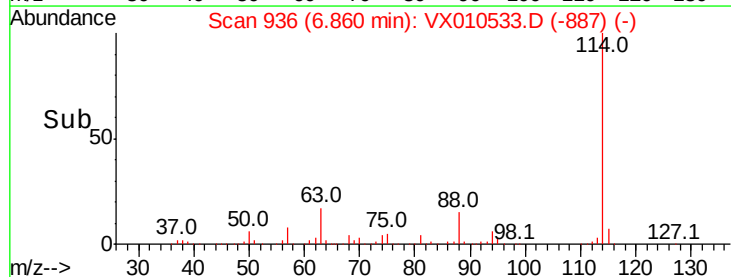
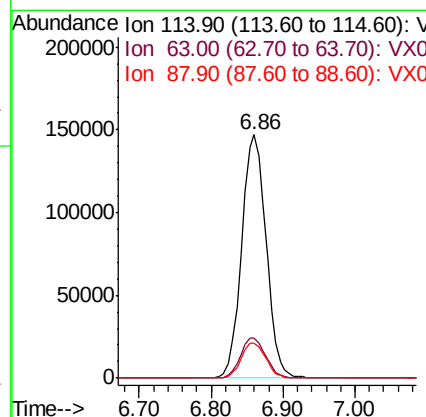
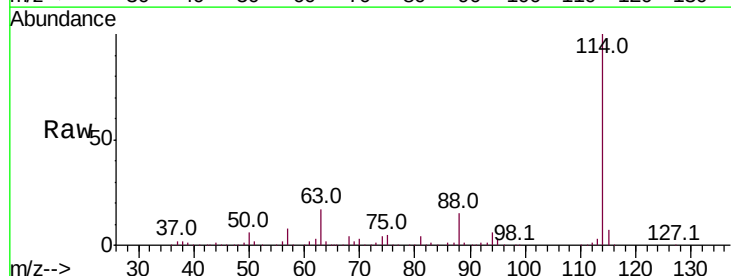
Manual Integrations
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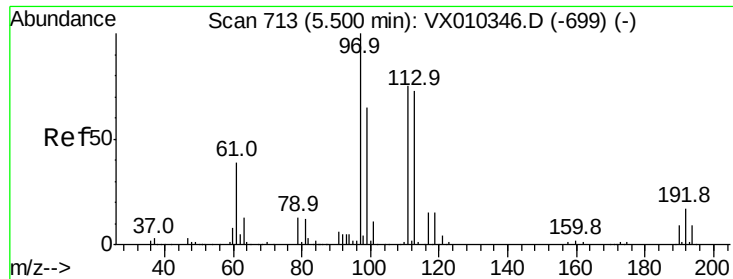
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	346827		
63	16.6	0.0	33.8	
88	14.6	0.0	27.6	





#35

Dibromofluoromethane

Concen: 49.750 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

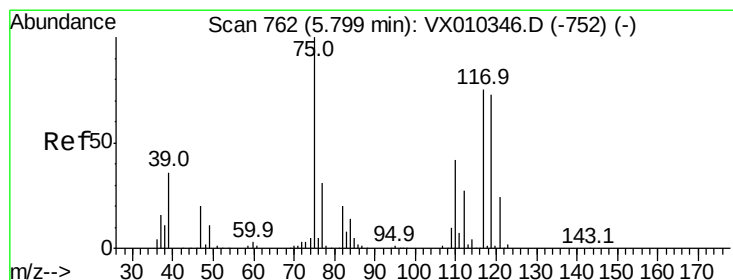
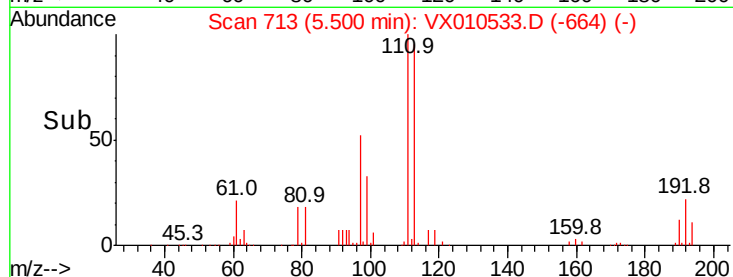
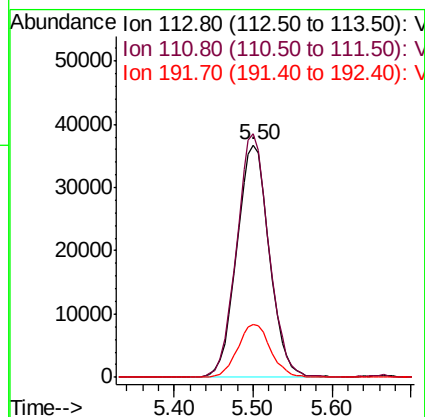
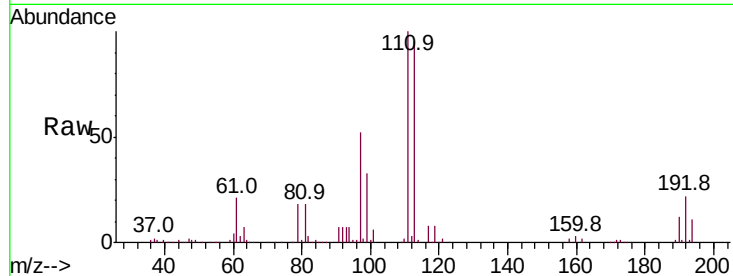
ClientSampleId :

VX0628WBSD01

Tot Ion:	113	Resp:	105570
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.2	121.8
192	23.0	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.784 ug/l

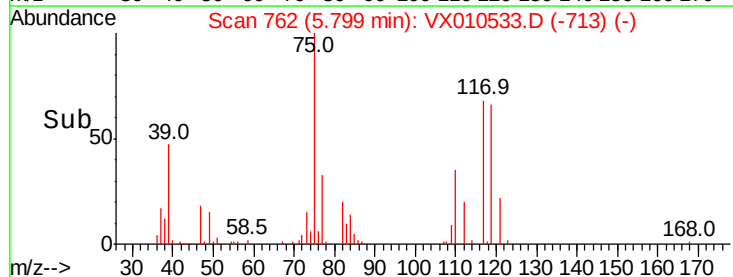
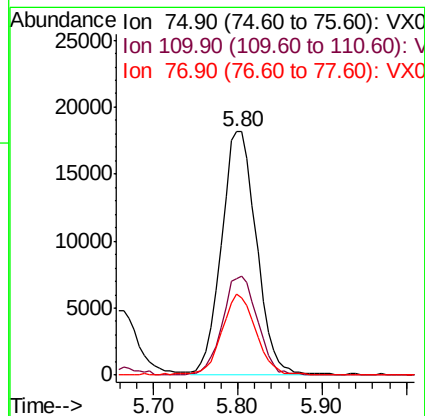
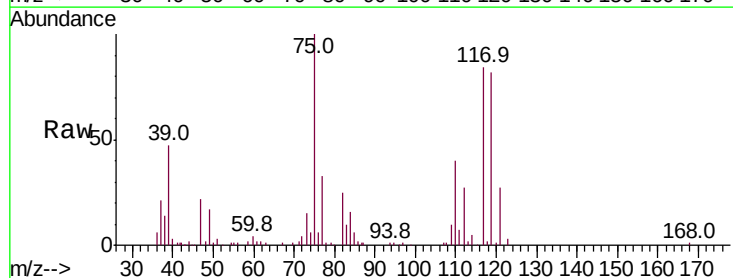
RT: 5.80 min Scan# 762

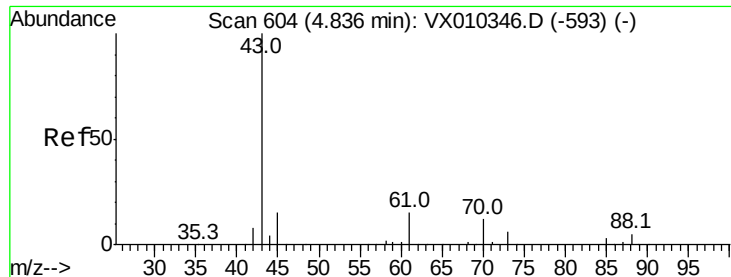
Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion:	75	Resp:	51770
Ion Ratio	Lower	Upper	
75	100		
110	40.5	20.8	62.2
77	32.4	25.4	38.0





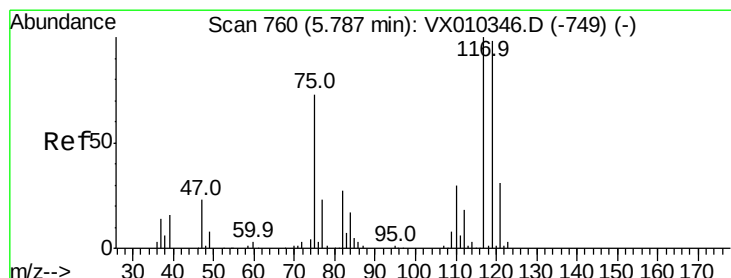
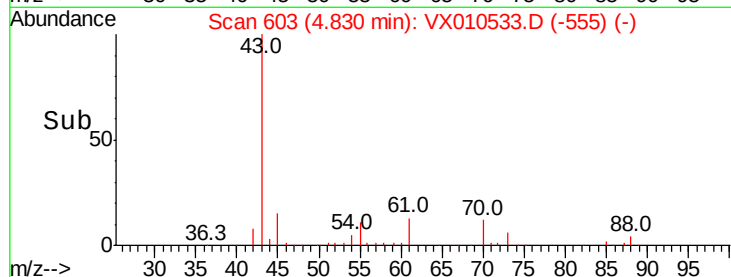
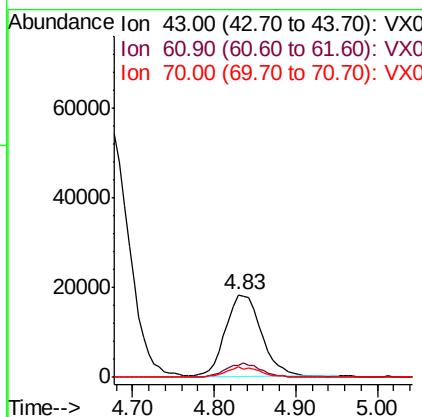
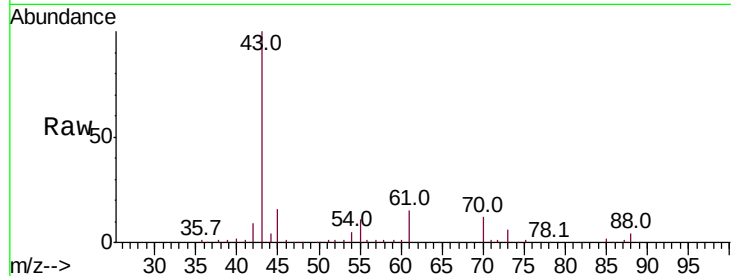
#37
Ethyl Acetate
Concen: 19.702 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampled :
VX0628WBSD01

Tot Ion	43	Resp	55861
Ion Ratio	100	Lower	Upper
43	100		
61	17.3	12.4	18.6
70	12.4	9.8	14.8

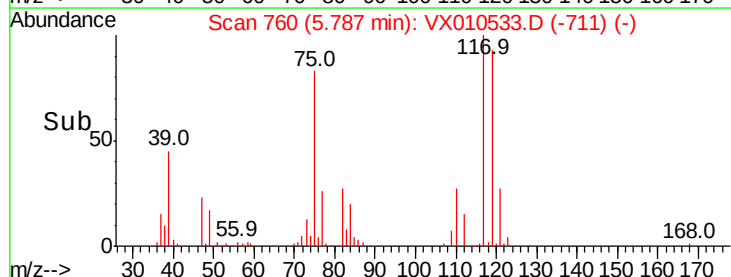
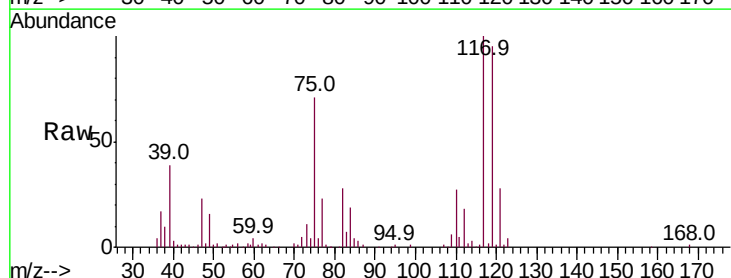
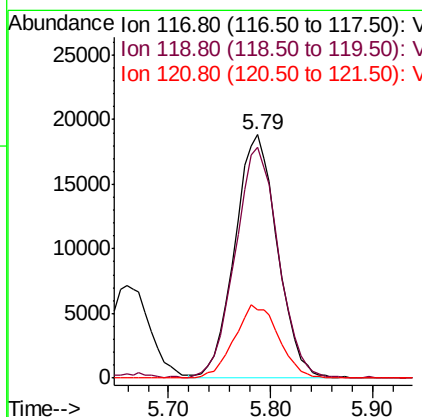
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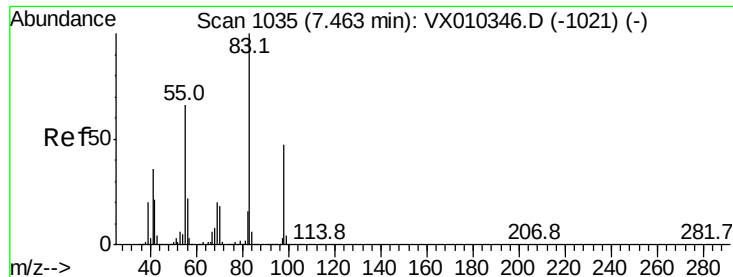
MMDadoda
7/1/2019 11:35:42 AM



#38
Carbon Tetrachloride
Concen: 18.297 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	117	Resp	54608
Ion Ratio	100	Lower	Upper
117	100		
119	94.8	78.2	117.4
121	28.2	24.7	37.1





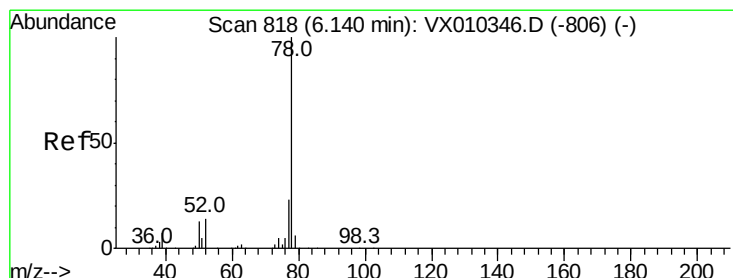
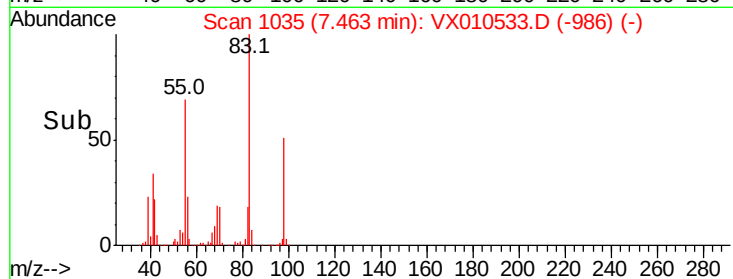
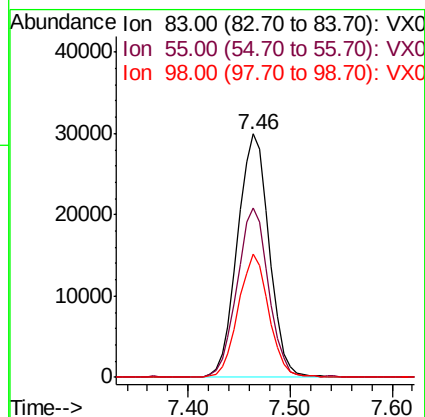
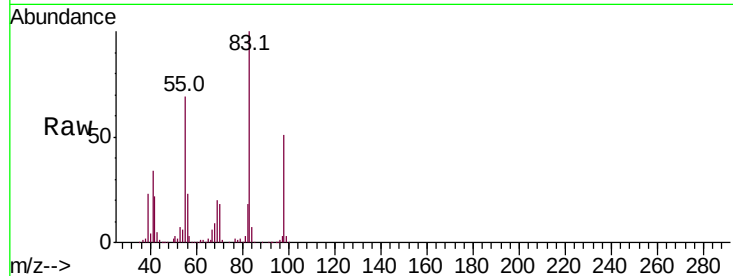
#39
Methylvlcyclohexane
Concen: 17.794 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	53.0	79.6
98	50.6	37.8	56.8

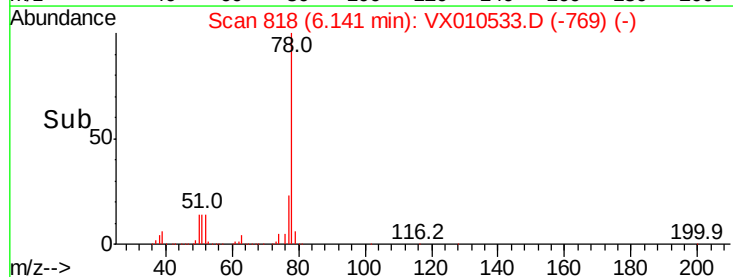
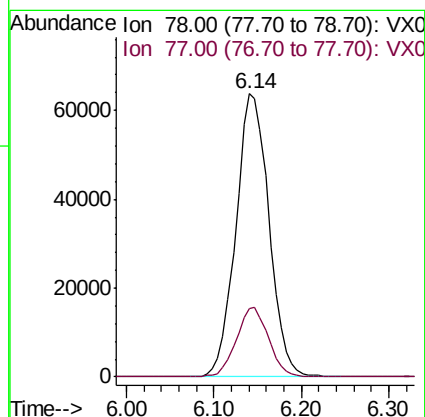
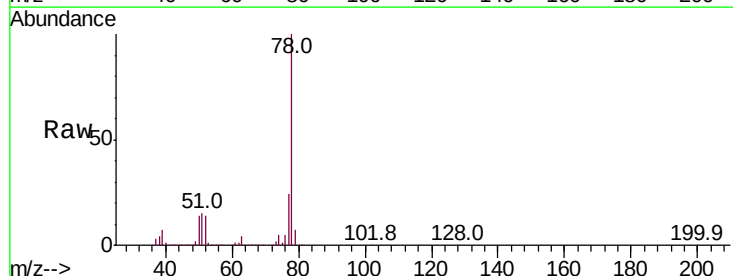
Manual Integrations
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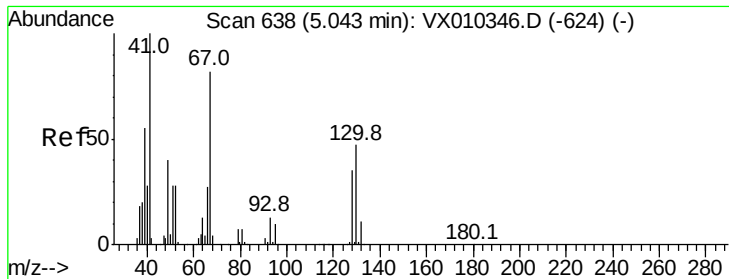
MMDadoda
7/1/2019 11:35:42 AM



#40
Benzene
Concen: 19.511 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





#41

Methacrylonitrile

Concen: 19.662 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampled :

VX0628WBSD01

Tot Ion: 41 Resp: 30588

Ion Ratio Lower Upper

41 100

39 54.1 43.8 65.8

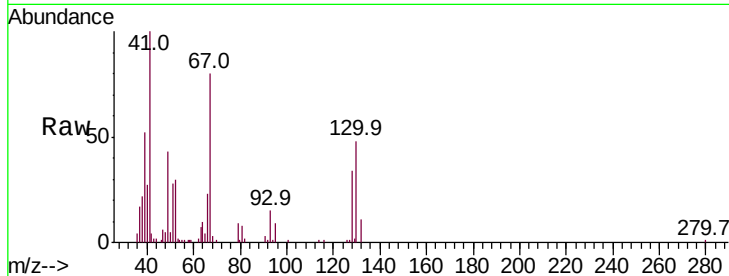
67 85.4 66.6 100.0

52 33.6 24.5 36.7

Manual Integrations
APPROVED

MMDadoda

7/1/2019 11:35:42 AM

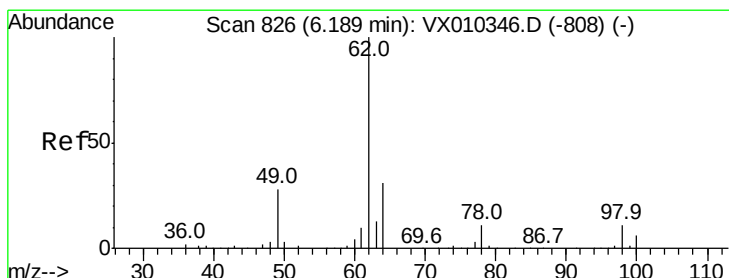
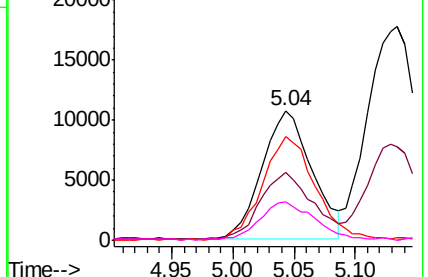
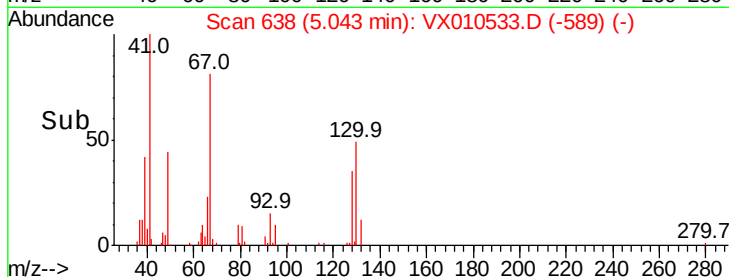


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.463 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010533.D

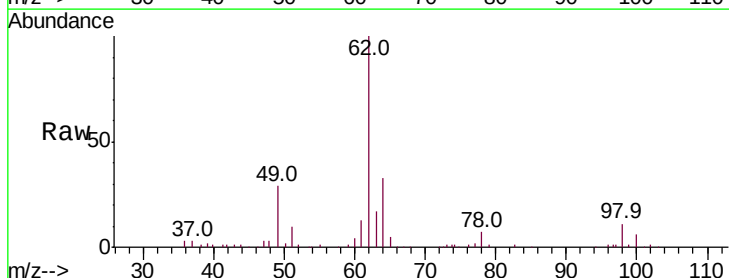
Acq: 28 Jun 2019 13:51

Tgt Ion: 62 Resp: 53486

Ion Ratio Lower Upper

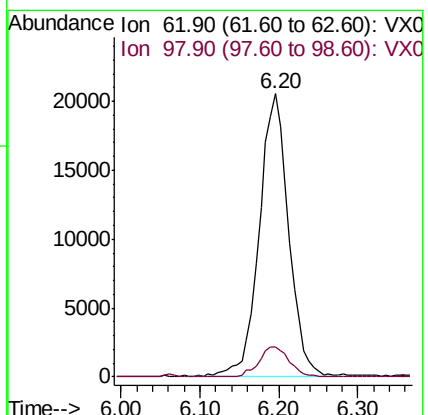
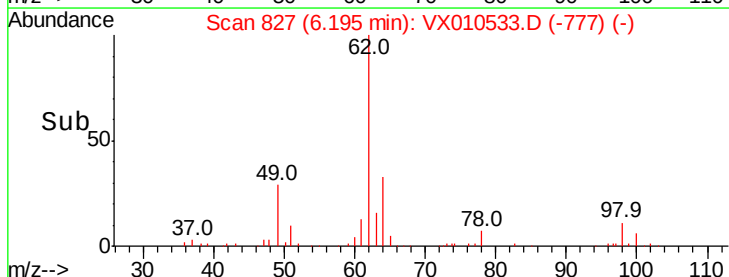
62 100

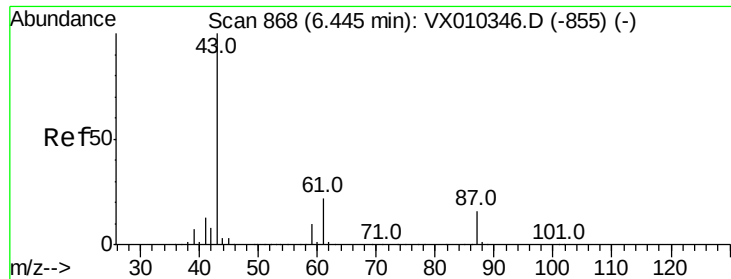
98 10.8 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

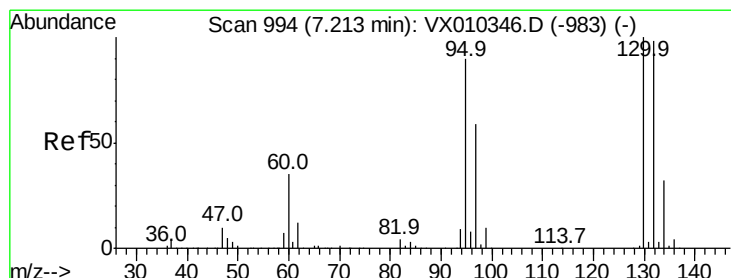
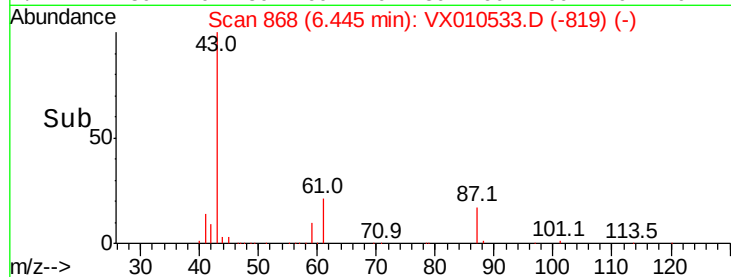
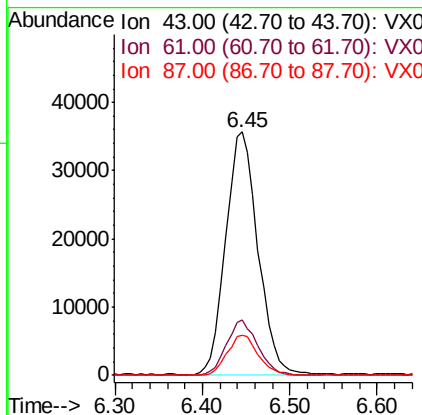
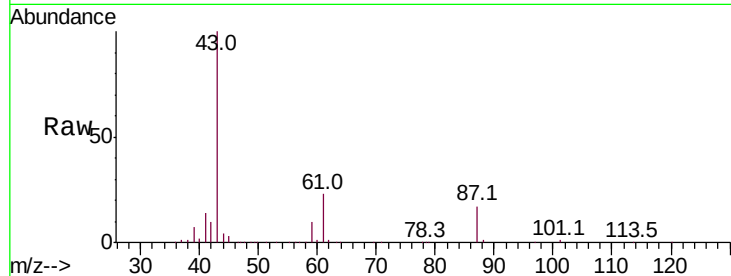
Isopropyl Acetate
 Concen: 19.416 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	43	61	87
Ion	43	61	87
Ratio	100	22.3	16.1
Lower		17.8	13.0
Upper		26.6	19.4

Manual Integrations
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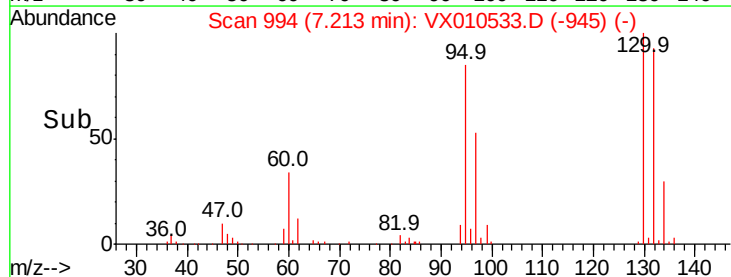
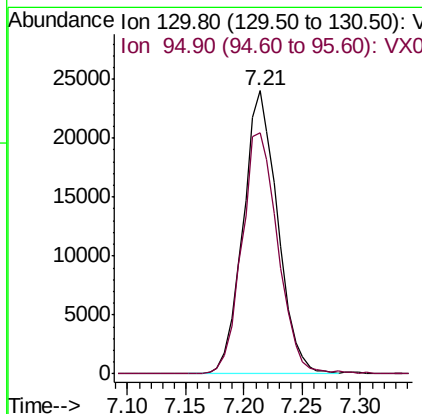
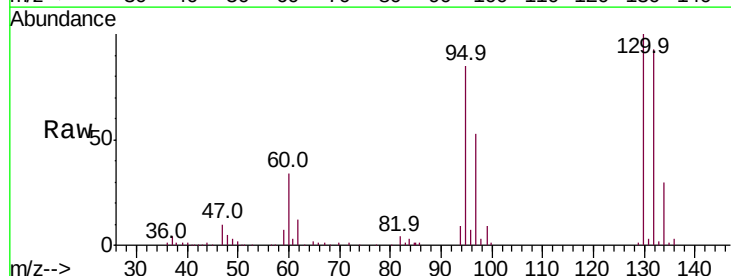
MMDadoda
 7/1/2019 11:35:42 AM

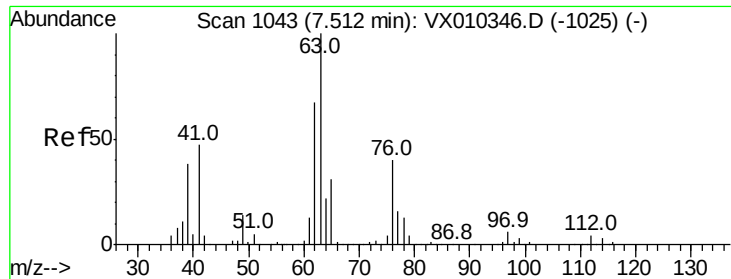


#44

Trichloroethene
 Concen: 19.285 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	130	95
Ion	130	95
Ratio	100	85.1
Lower		0.0
Upper		180.8





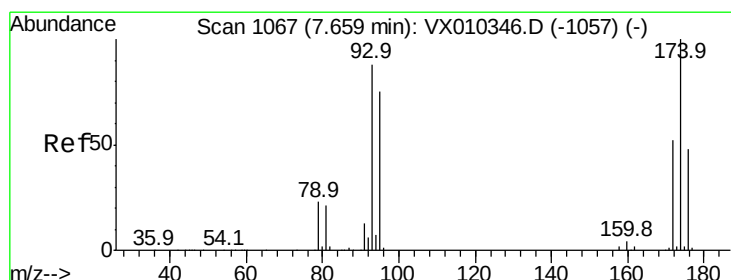
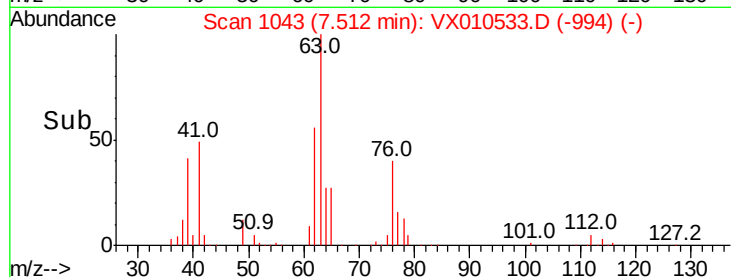
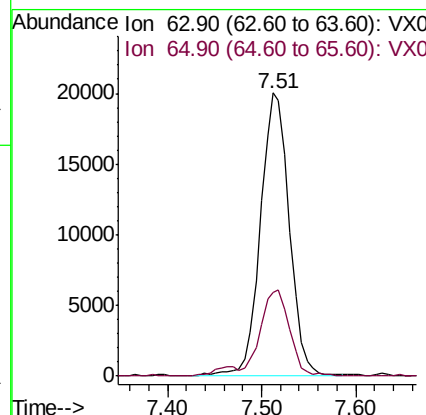
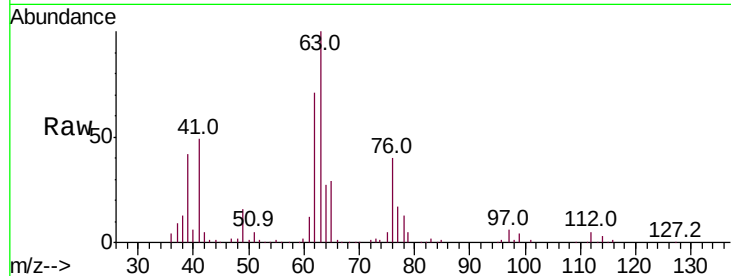
#45
 1,2-Dichloropropane
 Concen: 20.001 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.8	37.2

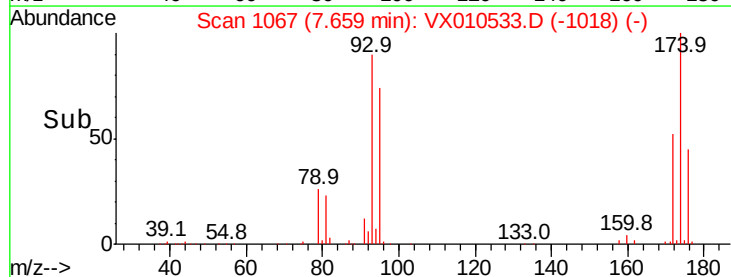
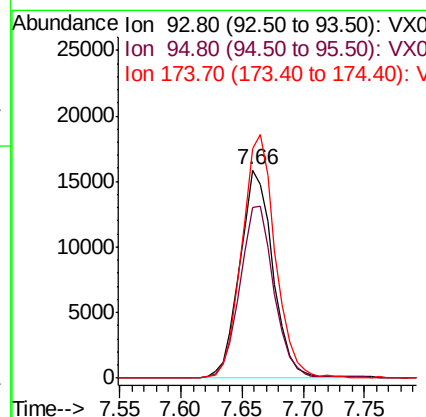
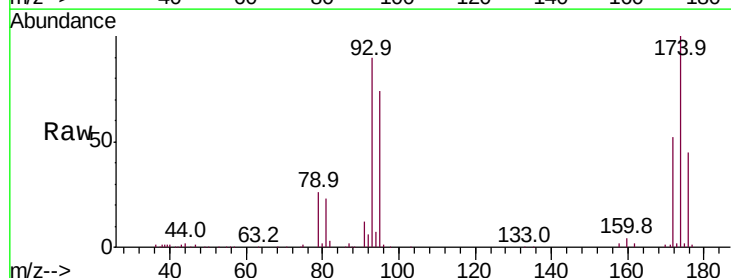
Manual Integrations
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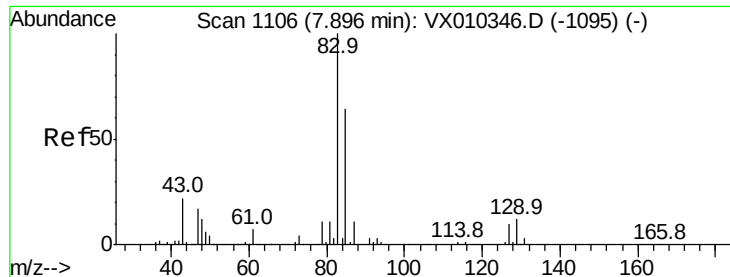
MMDadoda
 7/1/2019 11:35:42 AM



#46
 Dibromomethane
 Concen: 19.109 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	67.5	101.3
174	118.0	95.8	143.6





#47

Bromodichloromethane

Concen: 18.768 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

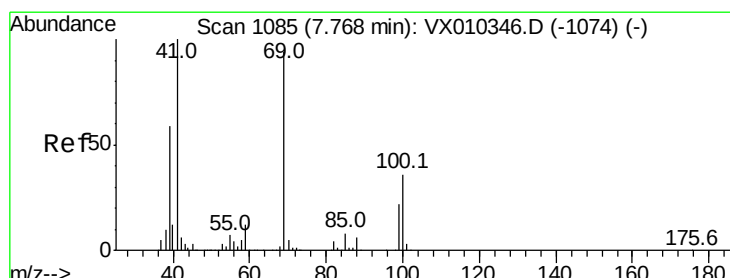
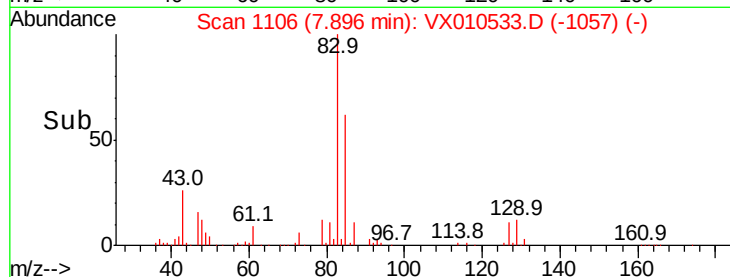
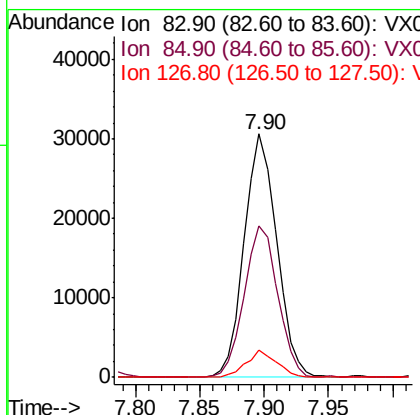
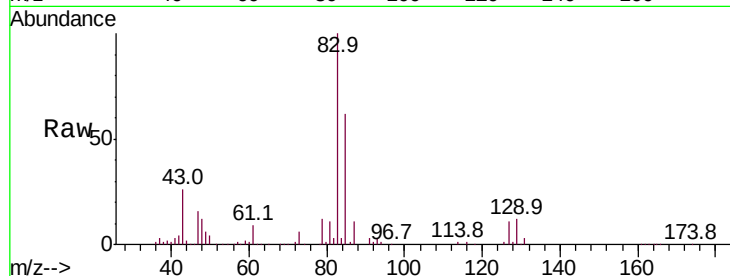
ClientSampleId :

VX0628WBSD01

Tot Ion:	83	Resp:	53510
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.5	77.3
127	11.1	7.8	11.8

Manual Integrations
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MMDadoda
7/1/2019 11:35:42 AM



#48

Methyl methacrylate

Concen: 19.712 ug/l

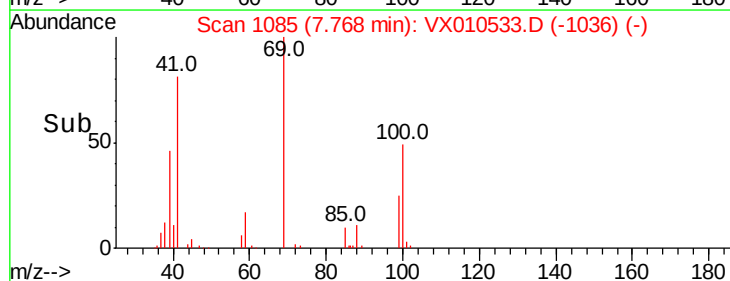
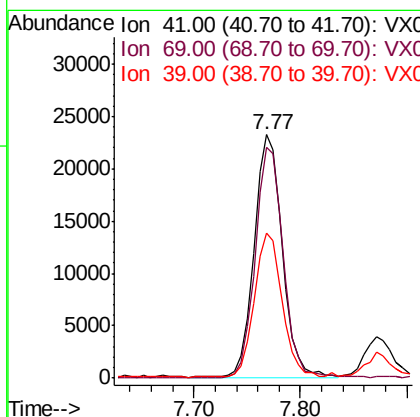
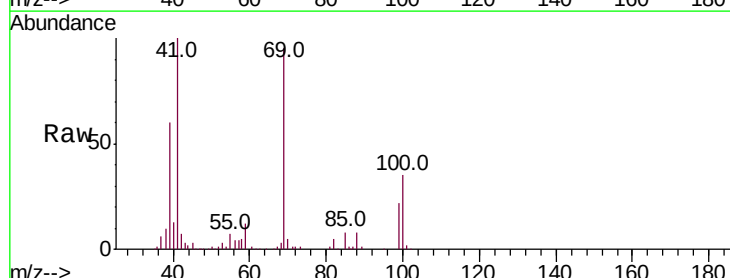
RT: 7.77 min Scan# 1085

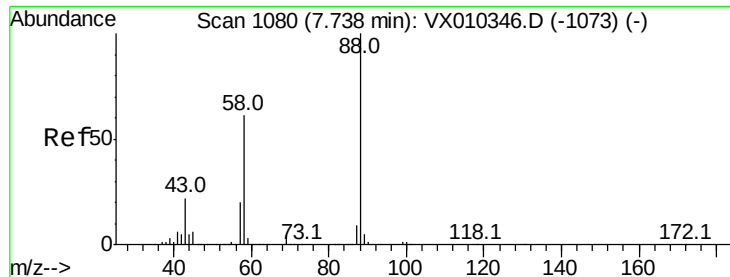
Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion:	41	Resp:	42982
Ion	Ratio	Lower	Upper
41	100		
69	94.9	76.1	114.1
39	59.4	47.6	71.4





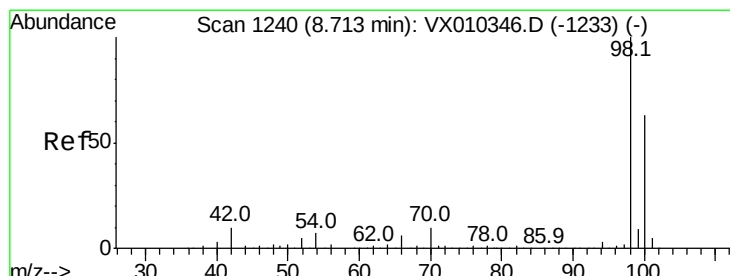
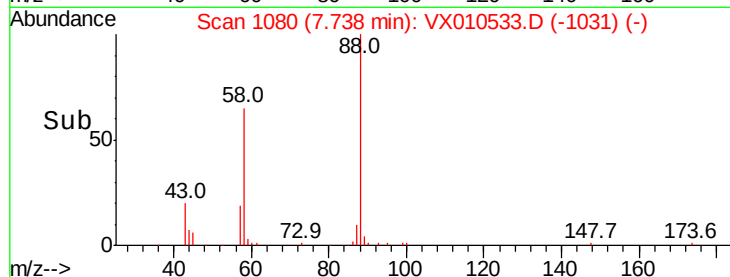
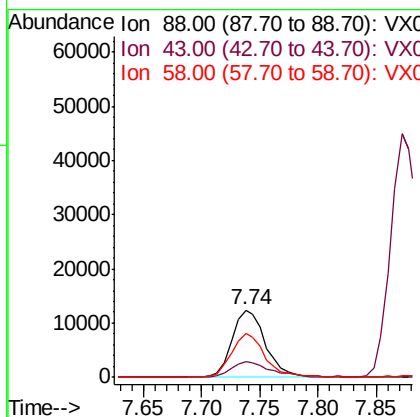
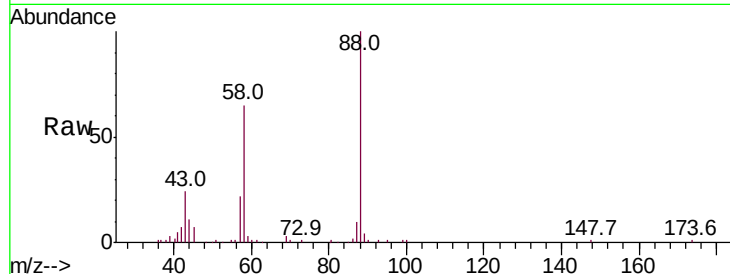
#49
 1,4-Dioxane
 Concen: 396.047 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.7	20.2	30.2
58	65.5	49.5	74.3

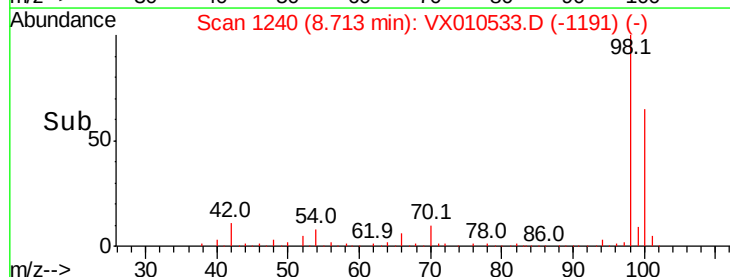
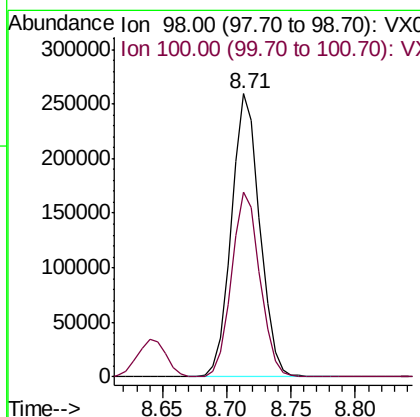
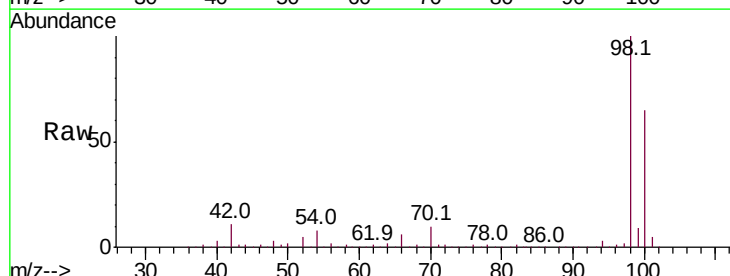
Manual Integrations
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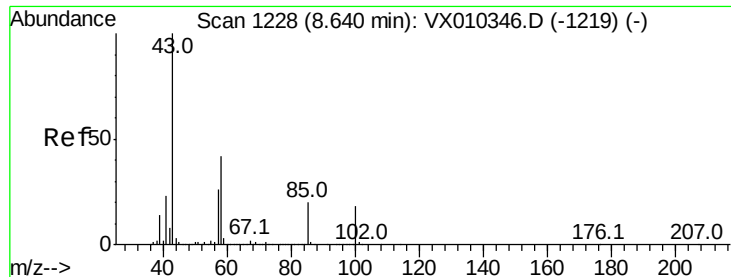
MMDadoda
 7/1/2019 11:35:42 AM



#50
 Toluene-d8
 Concen: 49.052 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 102.310 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 43 Resp: 306950

Ion Ratio Lower Upper

43 100

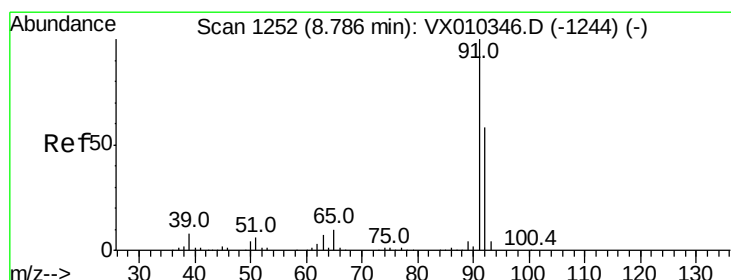
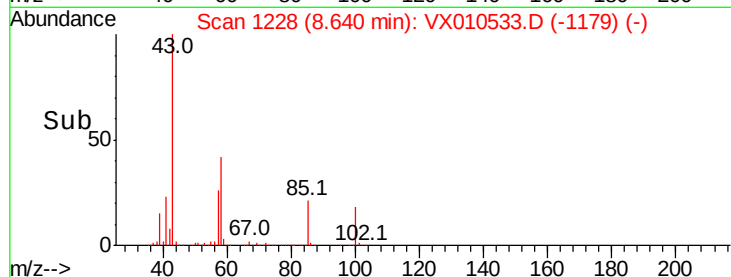
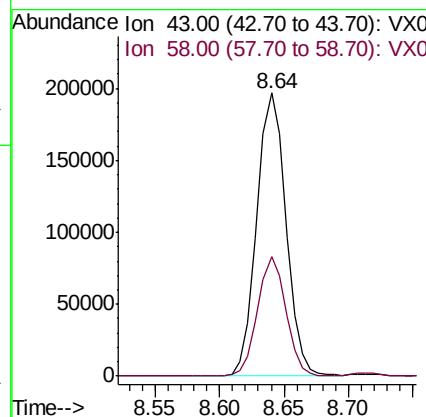
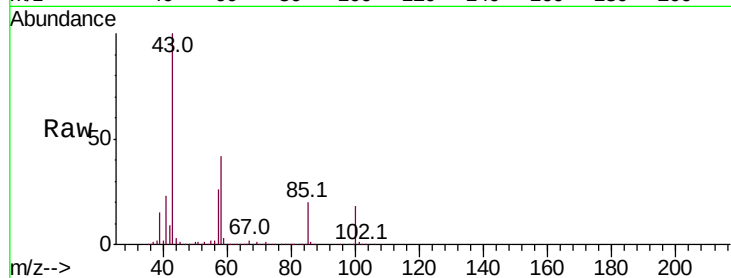
58 41.3 33.5 50.3

Manual Integrations

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#52

Toluene

Concen: 19.189 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010533.D

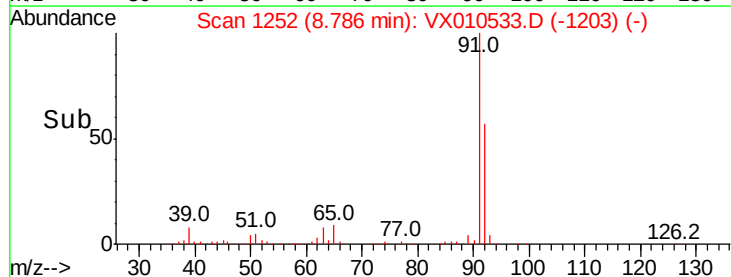
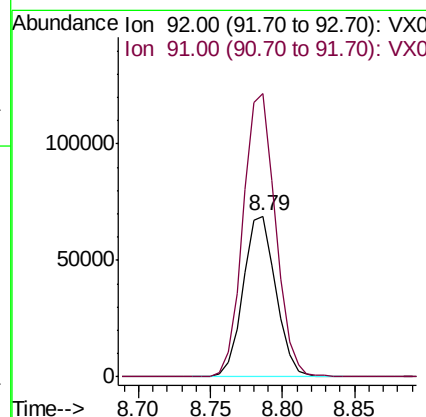
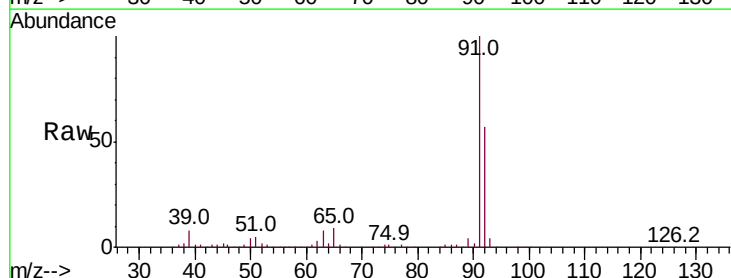
Acq: 28 Jun 2019 13:51

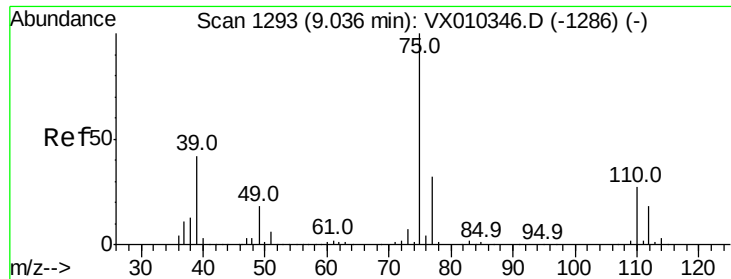
Tgt Ion: 92 Resp: 108505

Ion Ratio Lower Upper

92 100

91 175.0 139.8 209.6





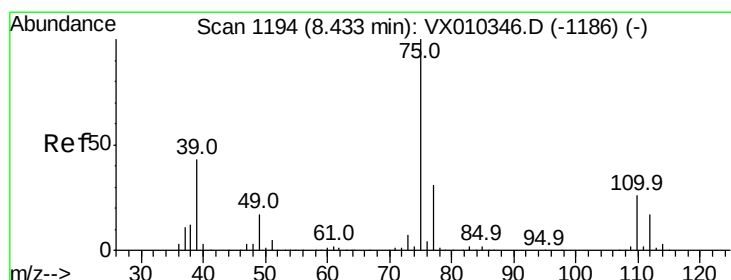
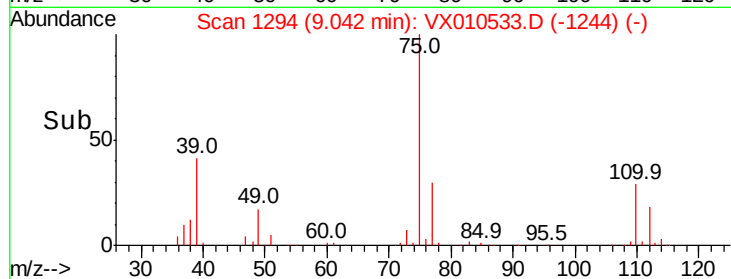
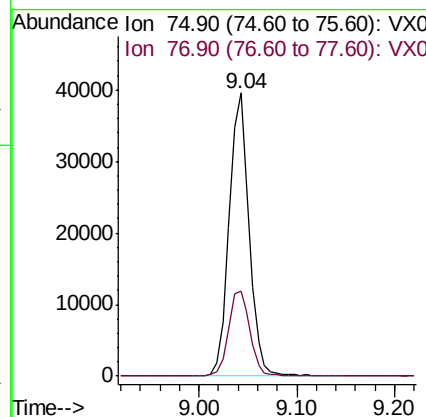
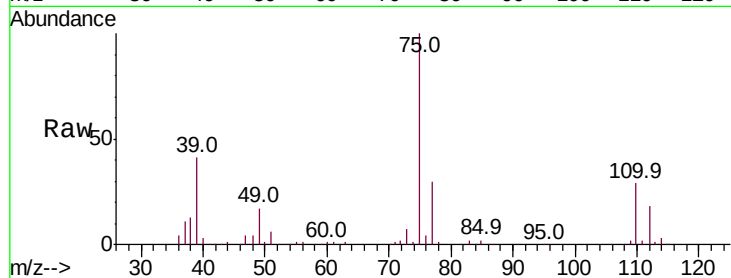
#53
 t-1,3-Dichloropropene
 Concen: 17.568 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion: 75 Resp: 56154
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.4 38.2

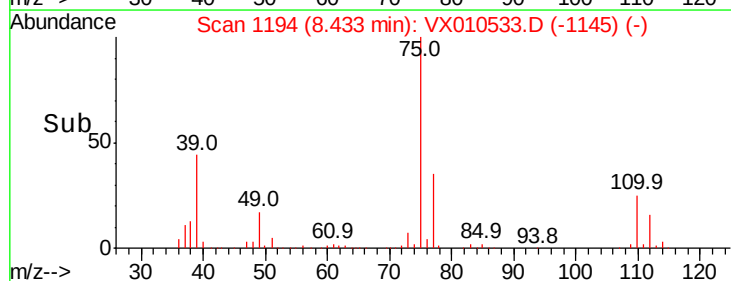
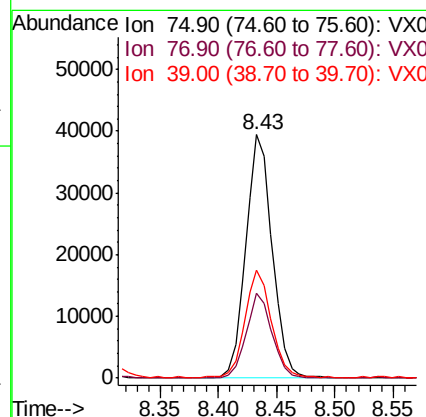
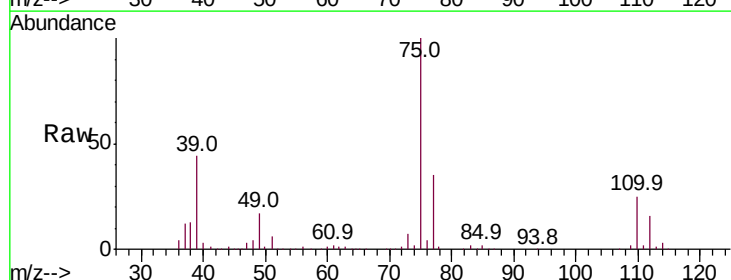
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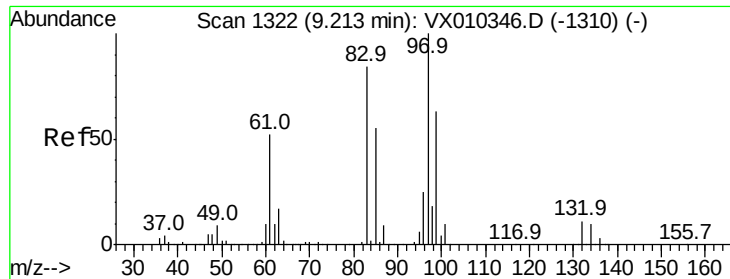
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 17.851 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion: 75 Resp: 62008
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.2 37.8
 39 43.9 34.5 51.7





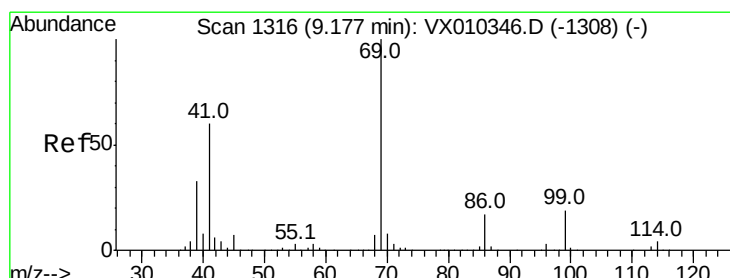
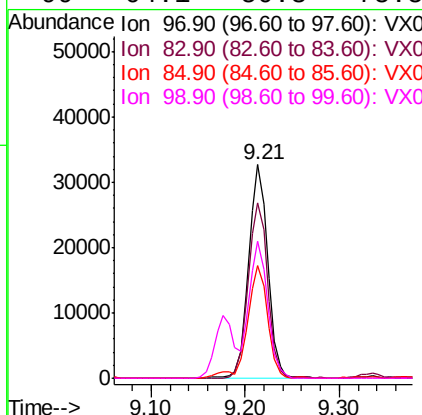
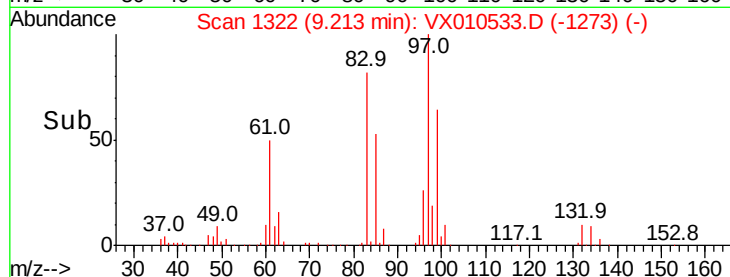
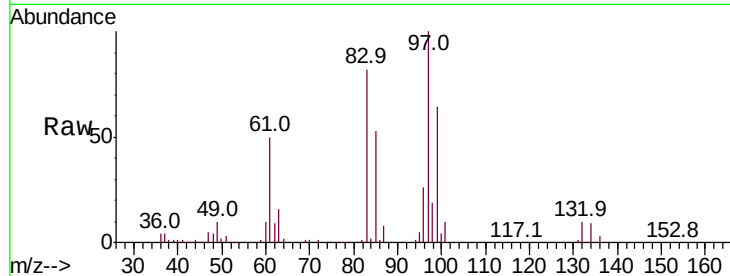
#55
 1,1,2-Trichloroethane
 Concen: 20.013 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampled :
 VX0628WBSD01

Tot Ion	97	Resp	46672
Ion	Ratio	Lower	Upper
97	100		
83	81.9	67.4	101.0
85	53.0	43.8	65.8
99	64.1	50.3	75.5

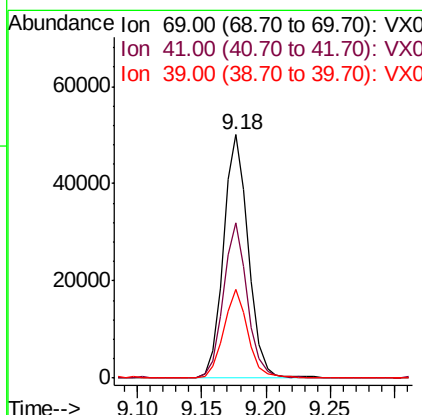
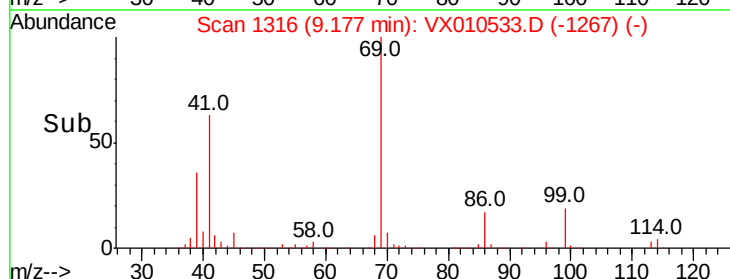
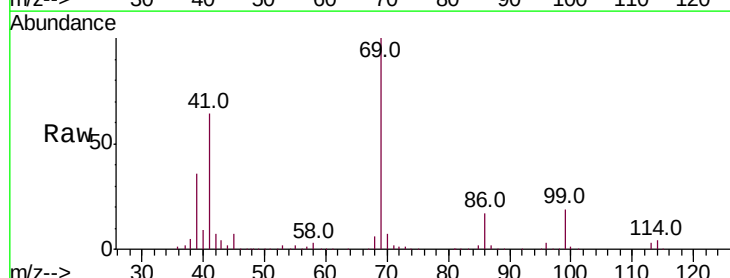
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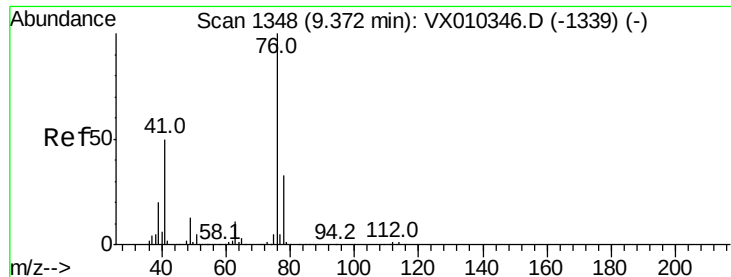
MMDadoda
 7/1/2019 11:35:42 AM



#56
 Ethyl methacrylate
 Concen: 19.299 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	69	Resp	68178
Ion	Ratio	Lower	Upper
69	100		
41	61.2	47.1	70.7
39	35.2	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.848 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 76 Resp: 71849

Ion Ratio Lower Upper

76 100

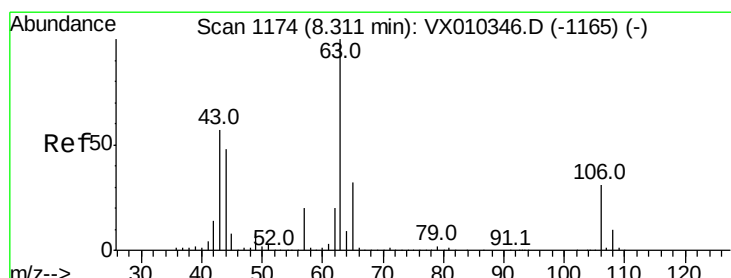
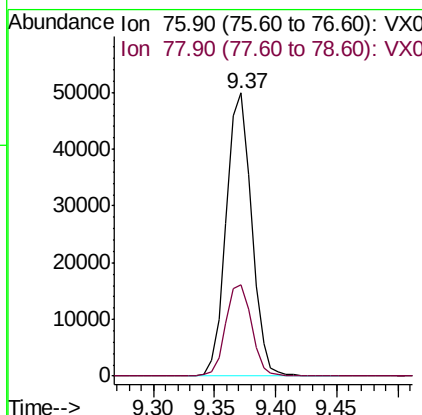
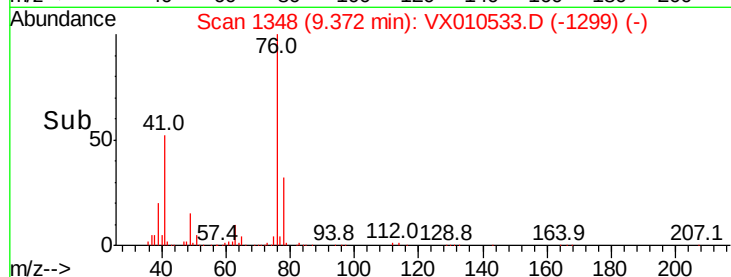
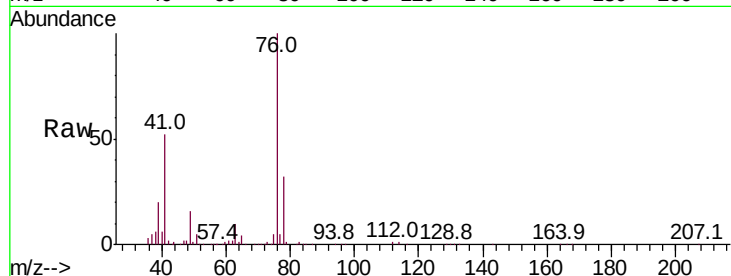
78 33.0 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 95.233 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010533.D

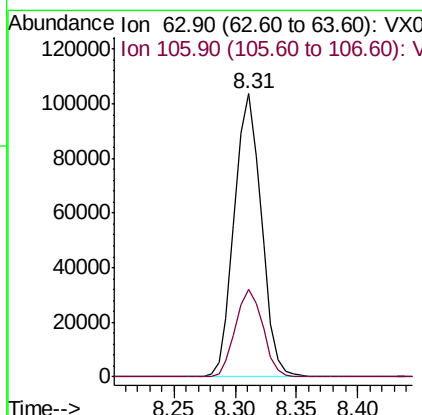
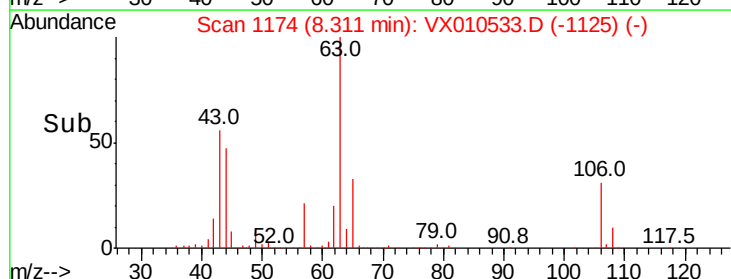
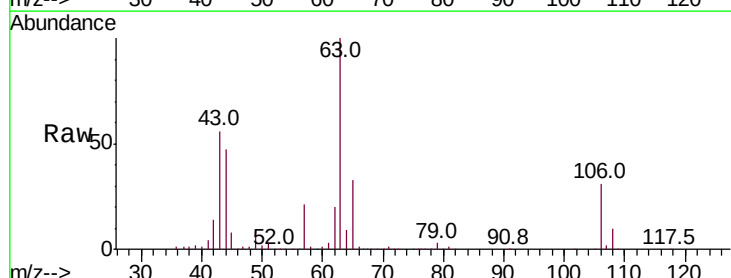
Acq: 28 Jun 2019 13:51

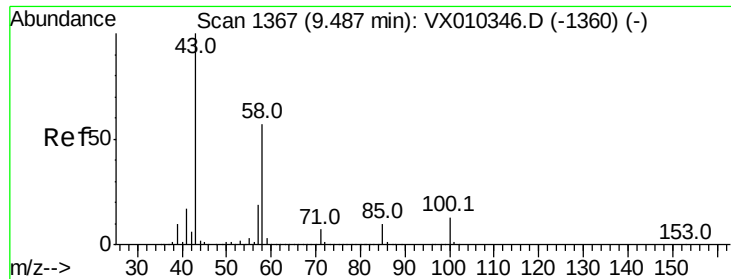
Tgt Ion: 63 Resp: 159781

Ion Ratio Lower Upper

63 100

106 31.4 24.7 37.1





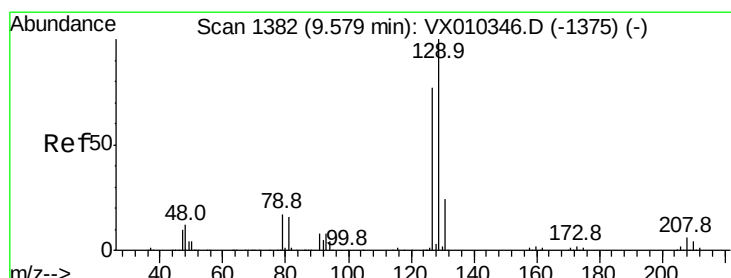
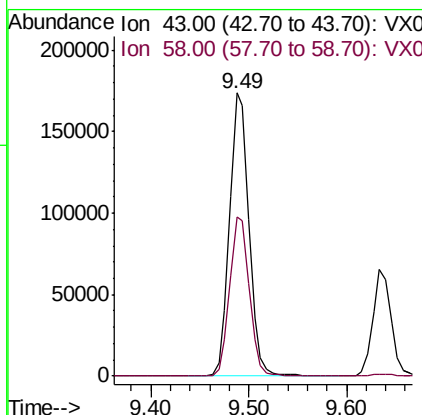
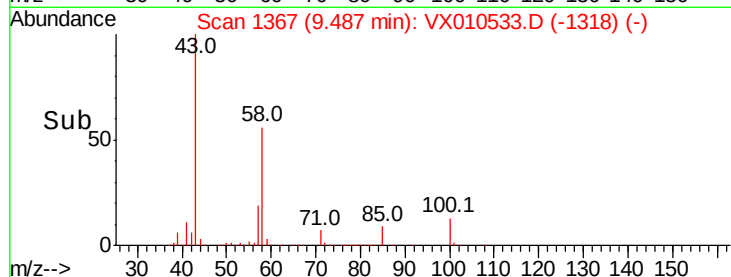
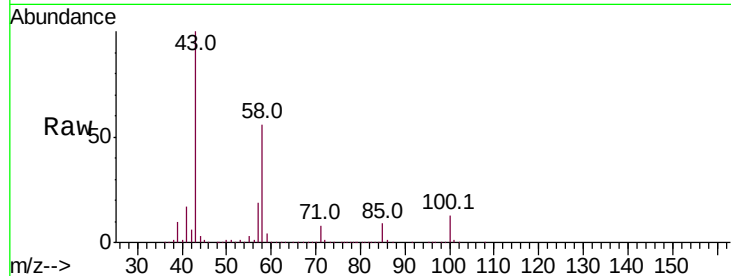
#59
2-Hexanone
Concen: 101.079 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion: 43 Resp: 238674
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.1

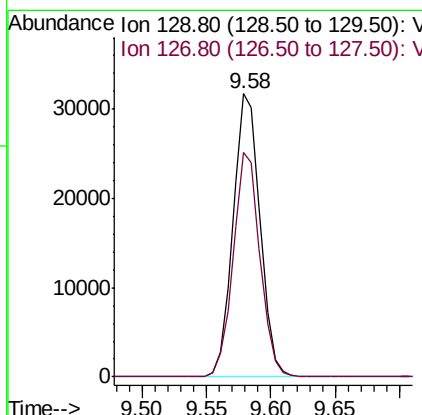
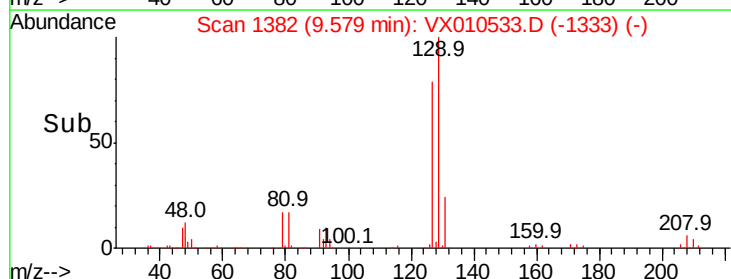
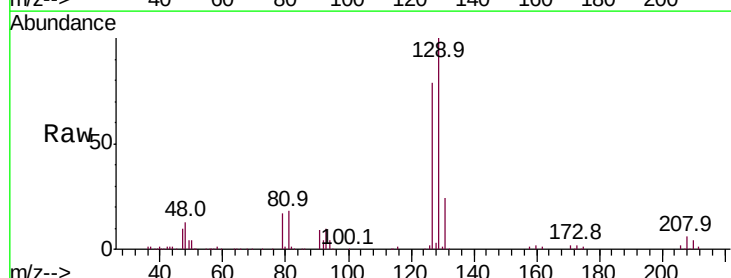
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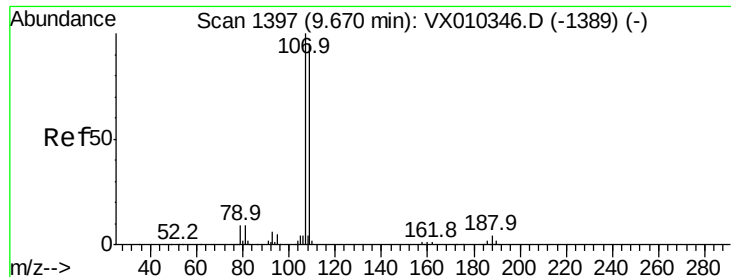
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#60
Dibromochloromethane
Concen: 17.763 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion: 129 Resp: 46380
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.1





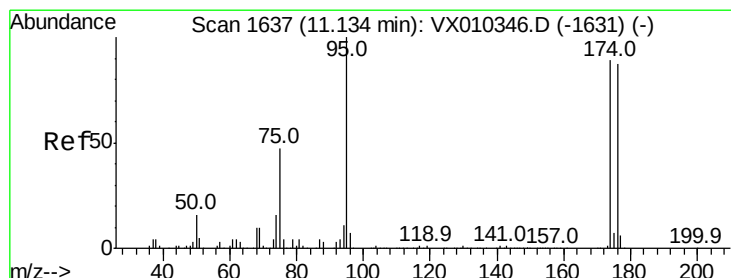
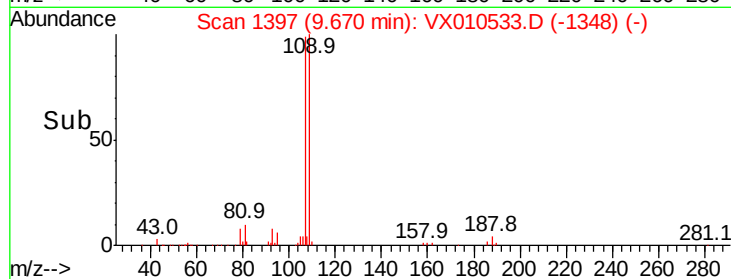
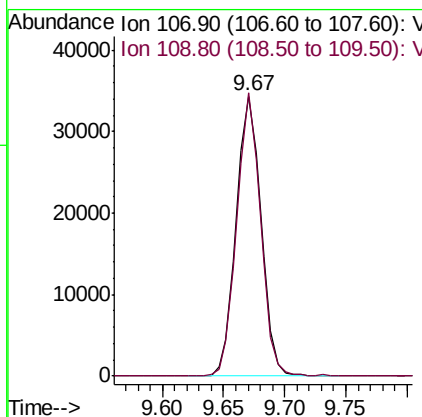
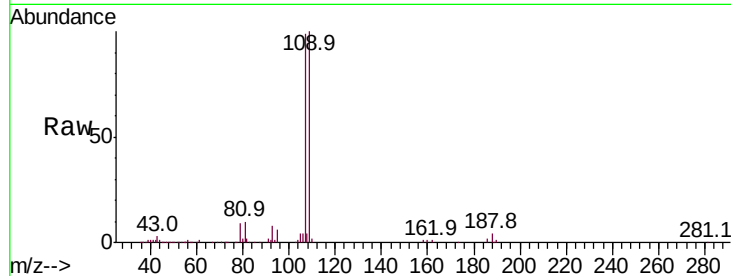
#61
 1,2-Dibromoethane
 Concen: 19.218 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion:107 Resp: 48374
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.8 113.6

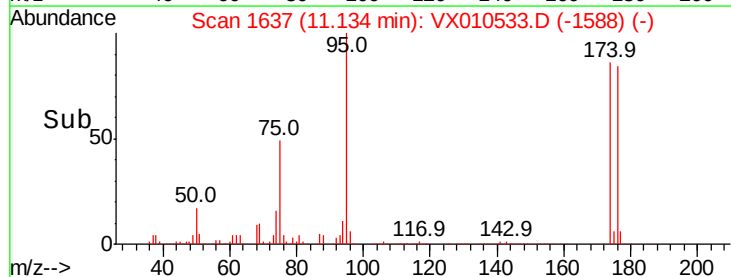
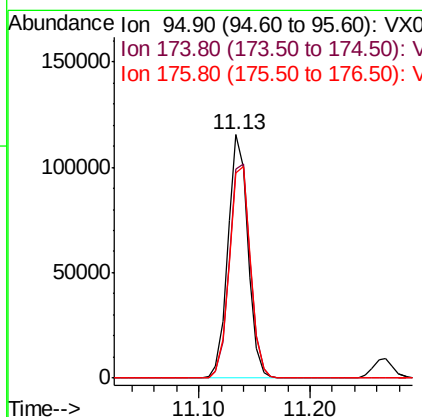
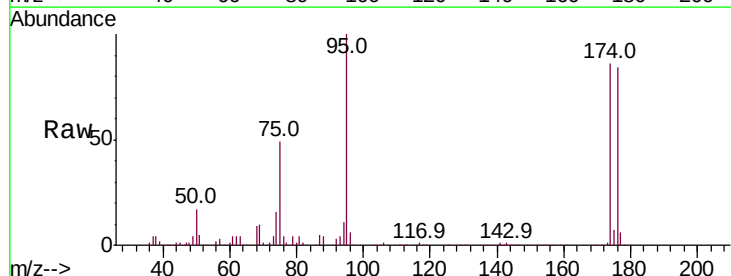
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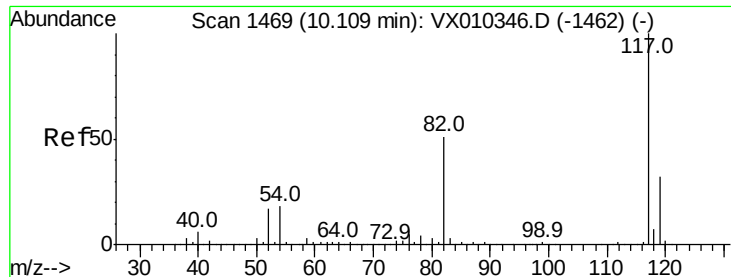
MMDadoda
 7/1/2019 11:35:42 AM



#62
 4-Bromofluorobenzene
 Concen: 48.621 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion: 95 Resp: 142508
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 187.6
 176 92.2 0.0 184.0





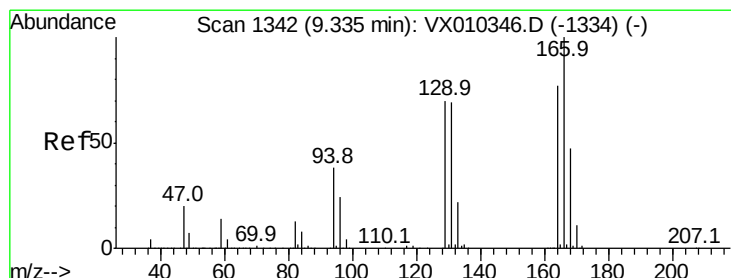
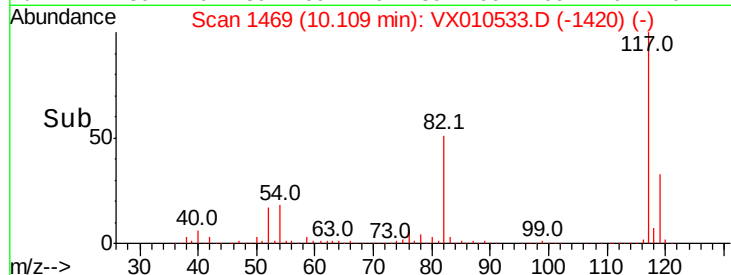
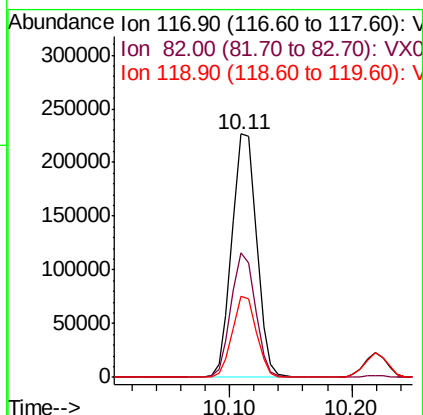
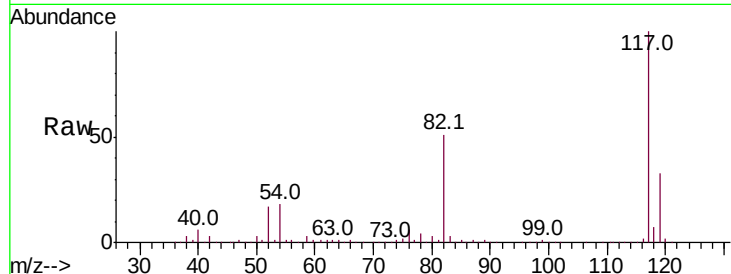
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.2	61.8
119	33.1	25.5	38.3

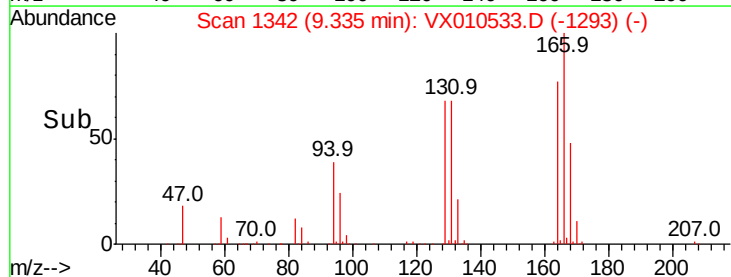
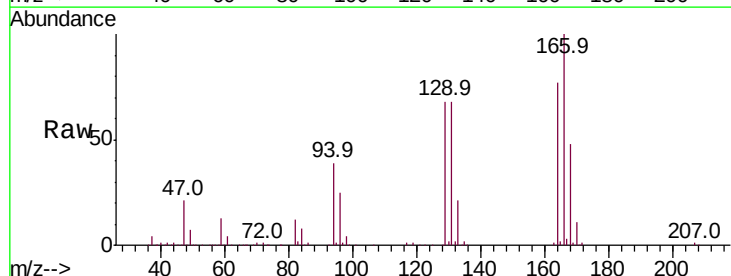
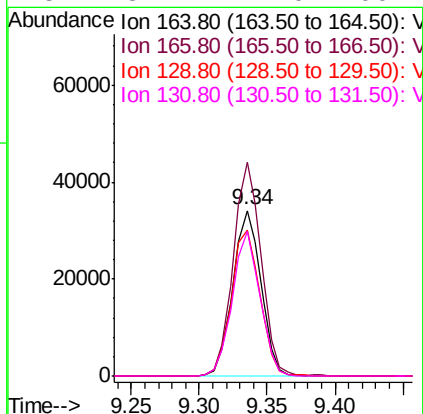
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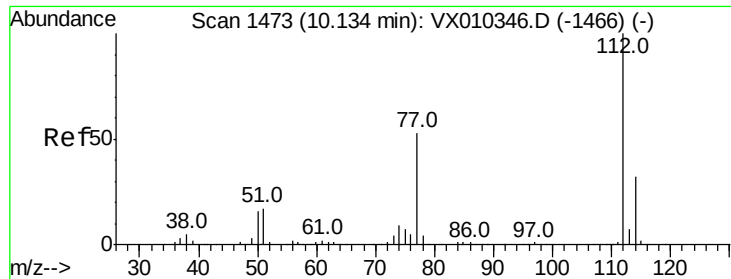
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#64
Tetrachloroethene
Concen: 19.117 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	88.3	73.0	109.4
131	87.2	71.0	106.4





#65

Chlorobenzene

Concen: 19.074 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:112 Resp: 122774

Ion Ratio Lower Upper

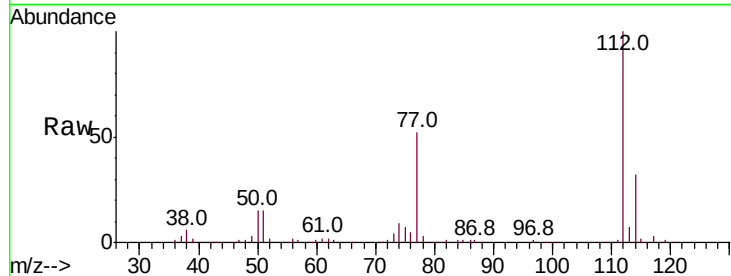
112 100

114 31.5 25.4 38.2

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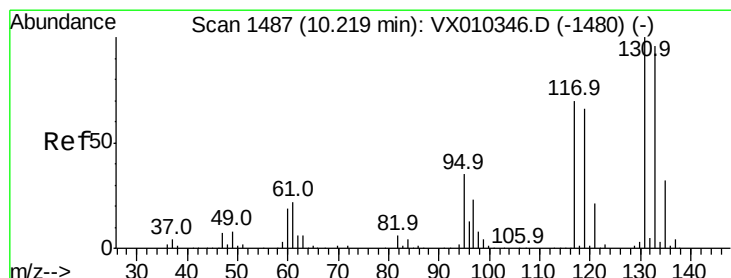
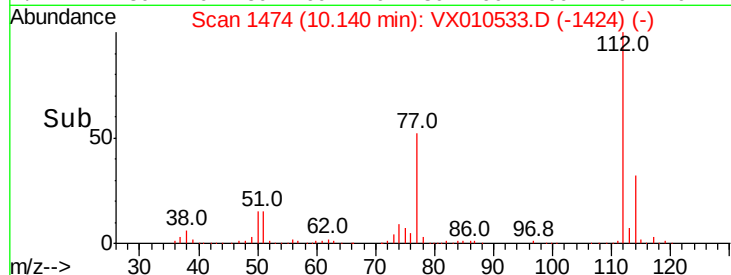
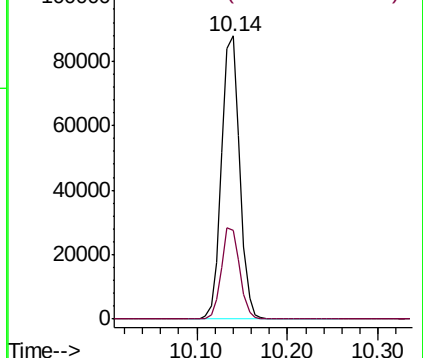
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.871 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

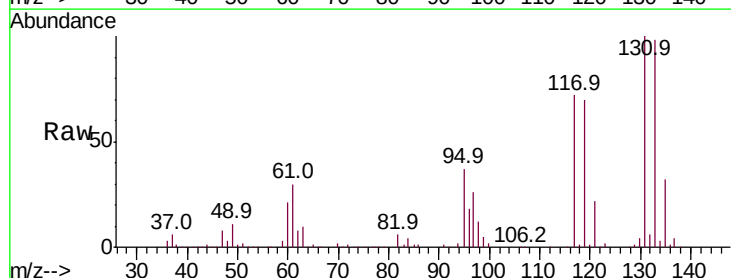
Tgt Ion:131 Resp: 44245

Ion Ratio Lower Upper

131 100

133 94.7 47.7 143.1

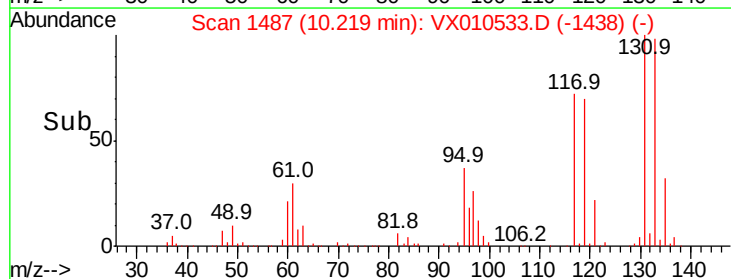
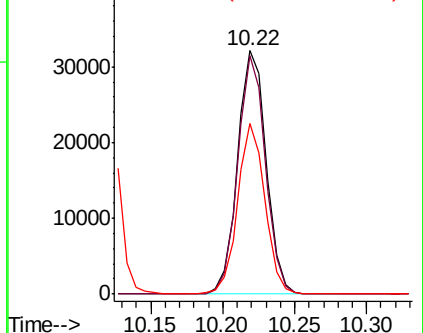
119 67.1 32.6 97.7

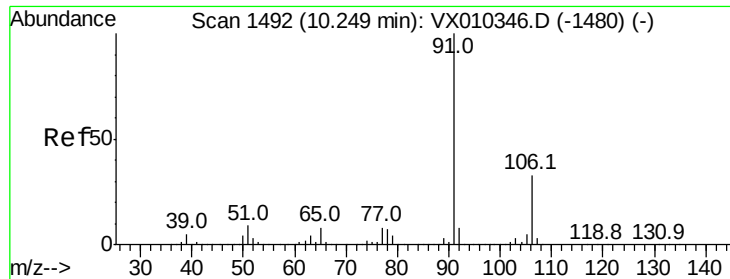


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.192 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampled :

VX0628WBSD01

Tot Ion: 91 Resp: 208554

Ion Ratio Lower Upper

91 100

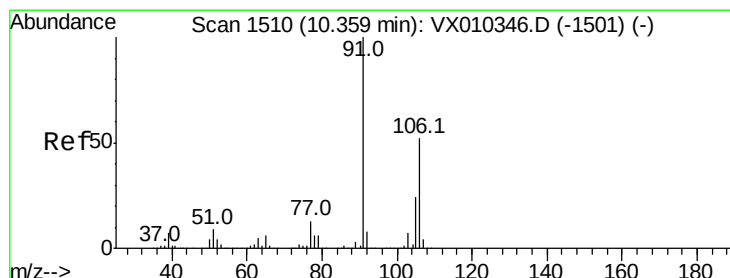
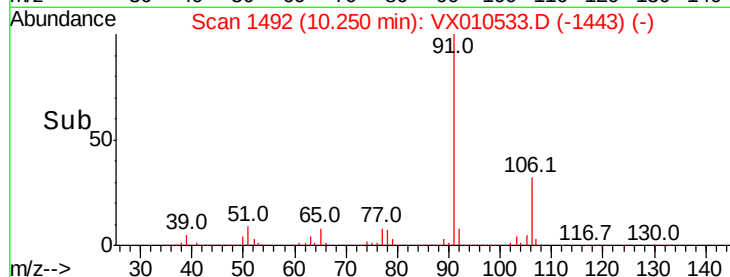
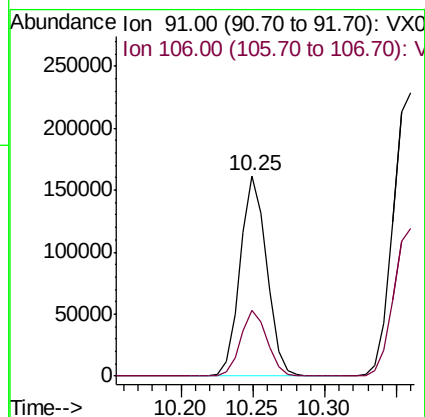
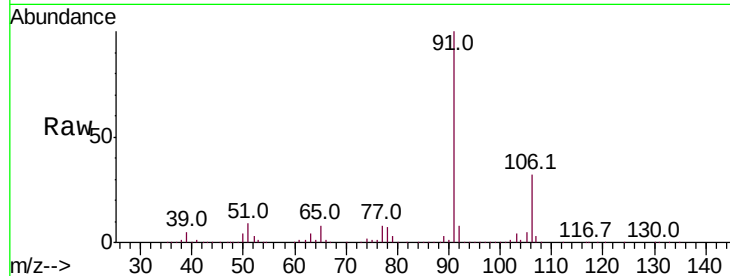
106 32.4 26.2 39.2

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#68

m/p-Xylenes

Concen: 38.581 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010533.D

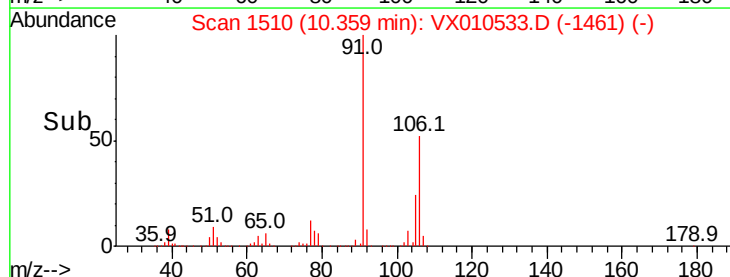
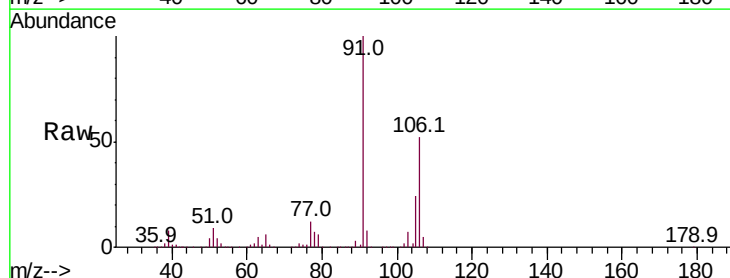
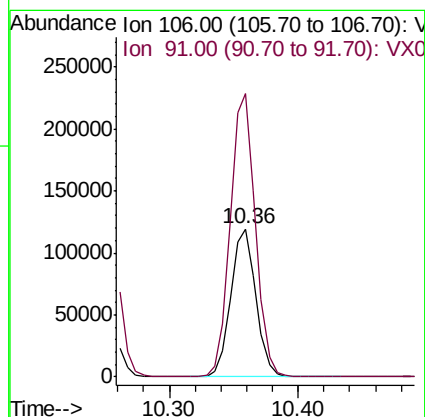
Acq: 28 Jun 2019 13:51

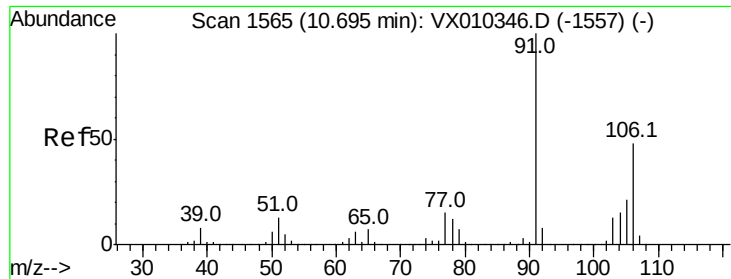
Tgt Ion: 106 Resp: 162447

Ion Ratio Lower Upper

106 100

91 192.4 155.3 232.9





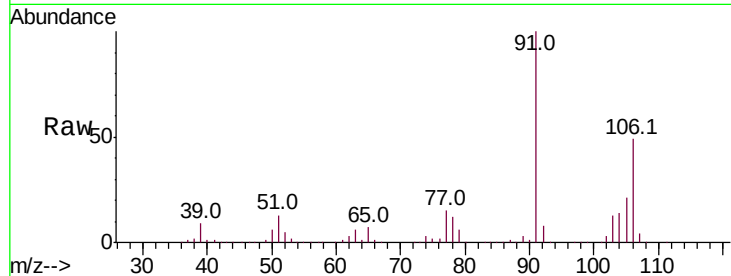
#69
o-Xylene
Concen: 19.284 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampled :
VX0628WBSD01

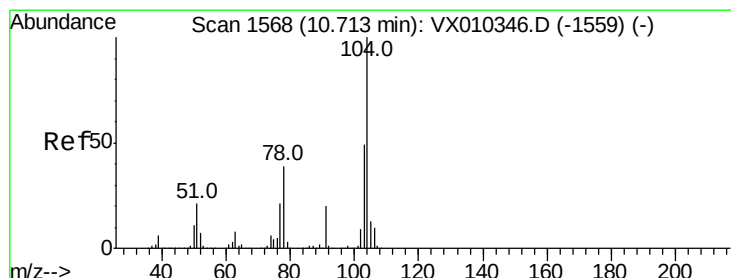
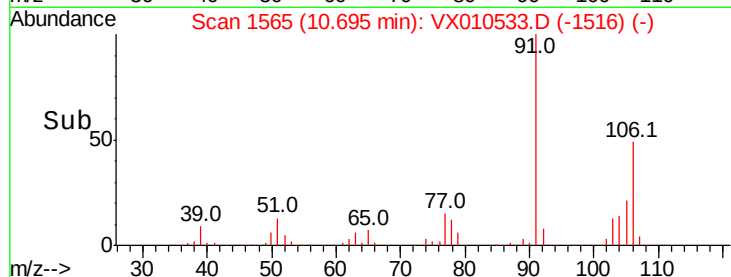
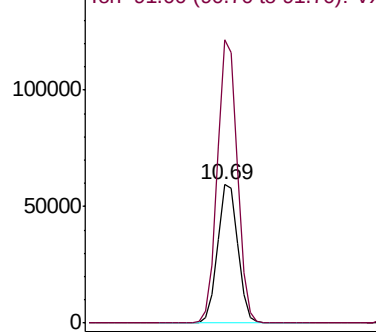
Tot Ion:106 Resp: 79849
Ion Ratio Lower Upper
106 100
91 201.5 102.7 308.1

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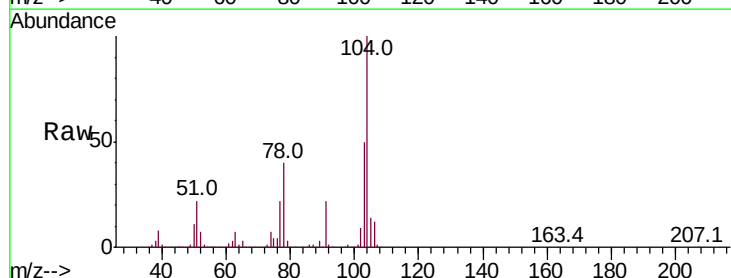


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

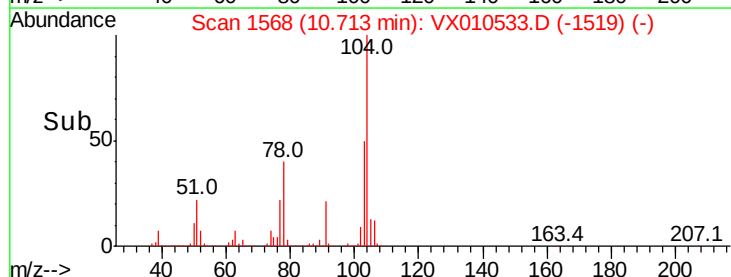
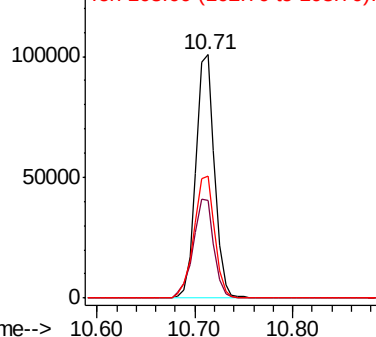


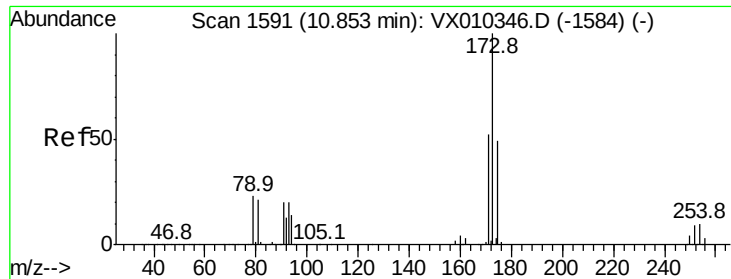
#70
Styrene
Concen: 19.232 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion:104 Resp: 133548
Ion Ratio Lower Upper
104 100
78 45.1 36.2 54.2
103 55.5 44.2 66.4



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: 16.692 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:173 Resp: 34034

Ion Ratio Lower Upper

173 100

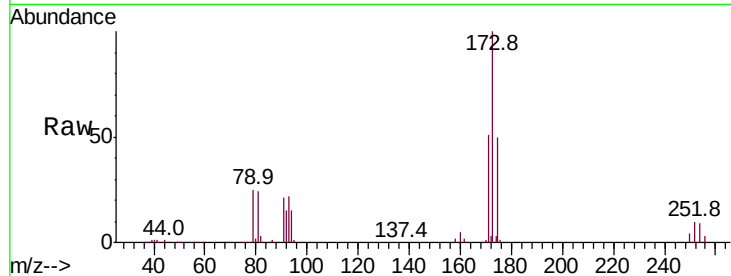
175 48.5 24.1 72.3

254 0.0 0.2 0.2#

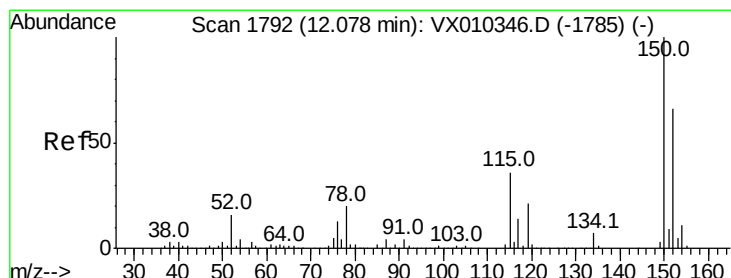
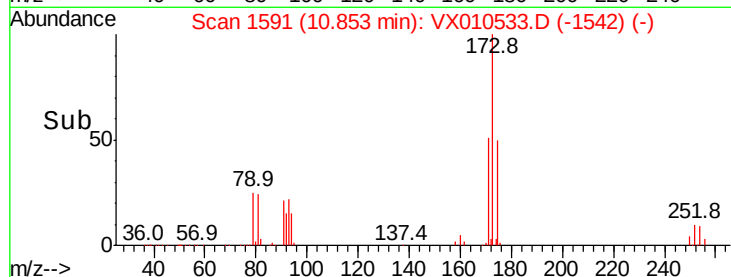
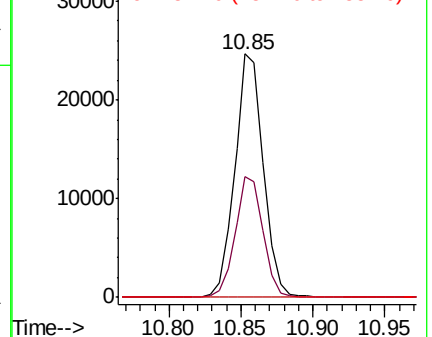
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

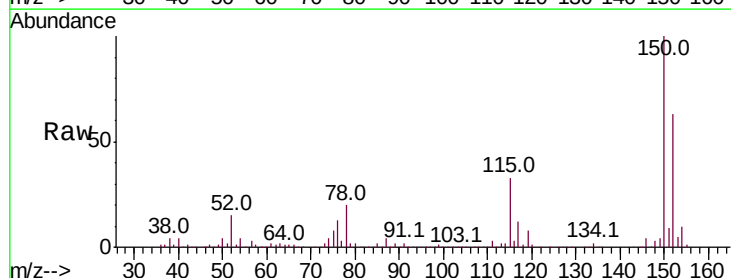
Tgt Ion:152 Resp: 159365

Ion Ratio Lower Upper

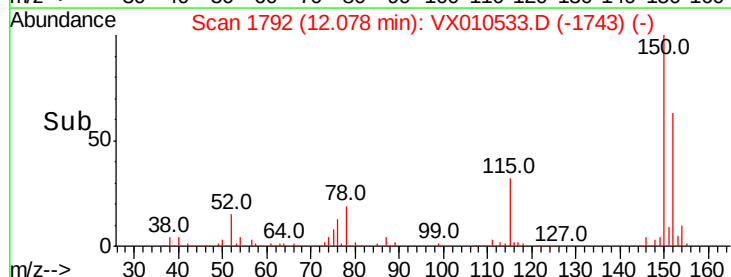
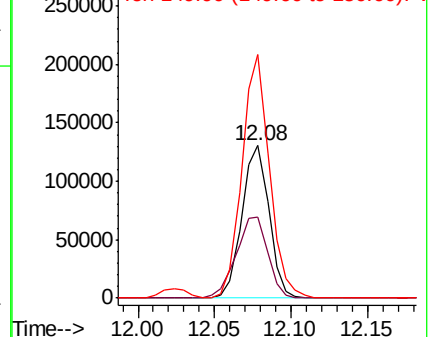
152 100

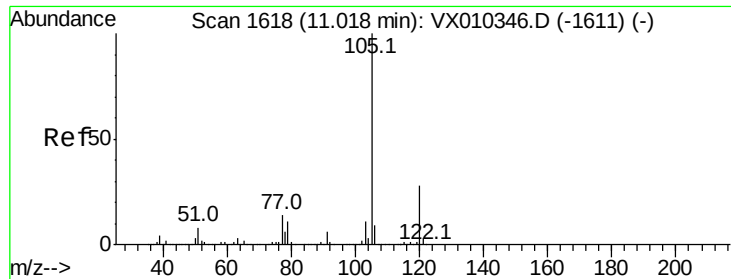
115 62.7 38.6 115.7

150 162.1 0.0 347.4



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





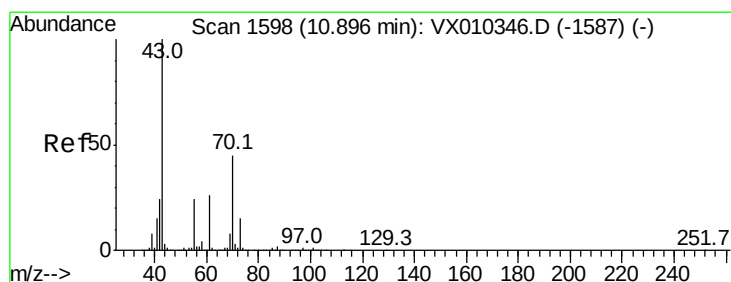
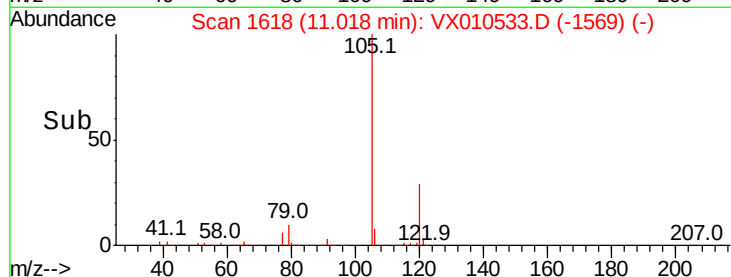
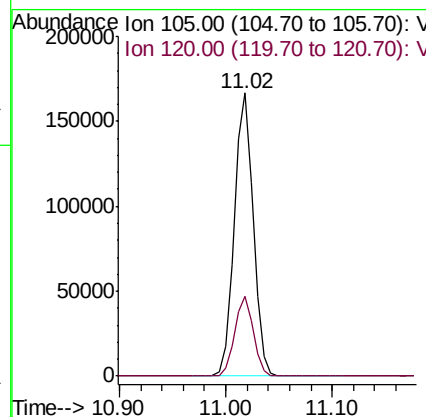
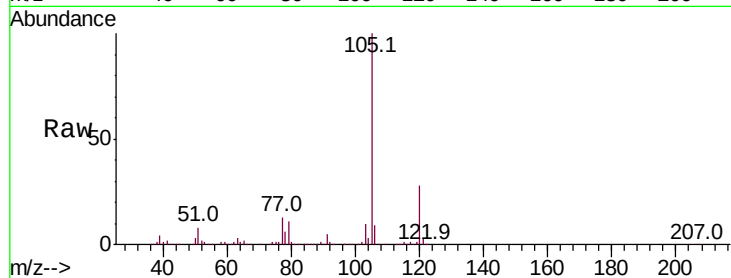
#73
Isopropylbenzene
Concen: 19.285 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.0	14.1	42.4

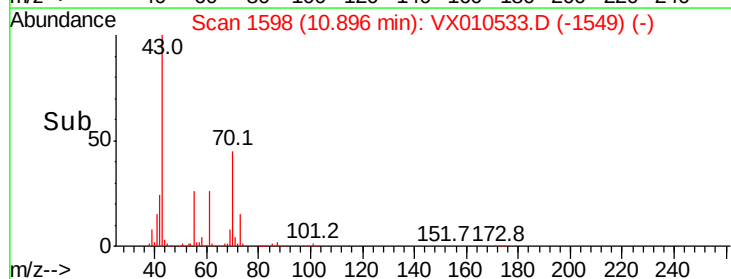
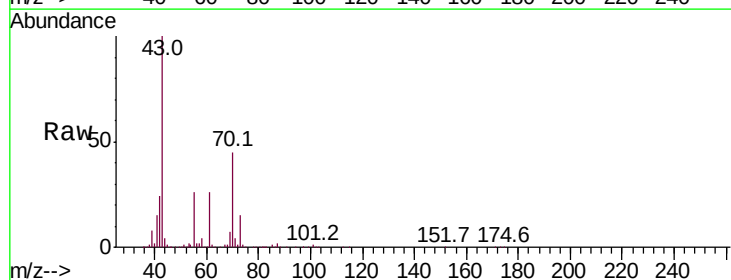
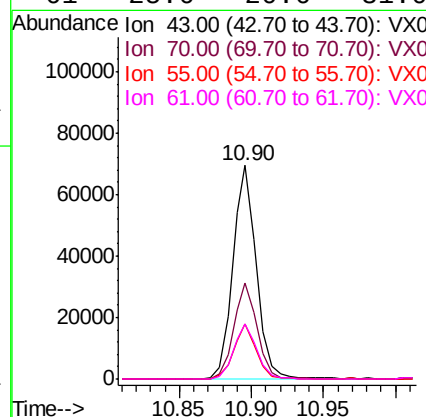
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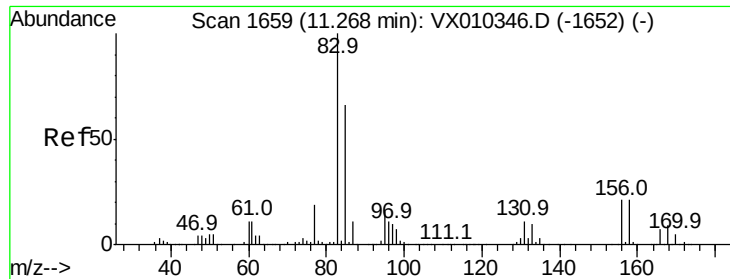
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#74
N-ethyl acetate
Concen: 19.500 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.7	36.6	54.8
55	25.0	18.7	28.1
61	25.6	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.987 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

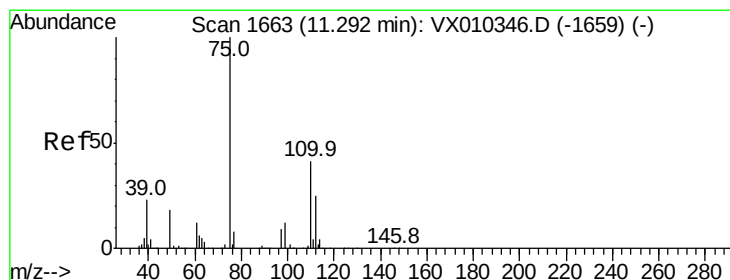
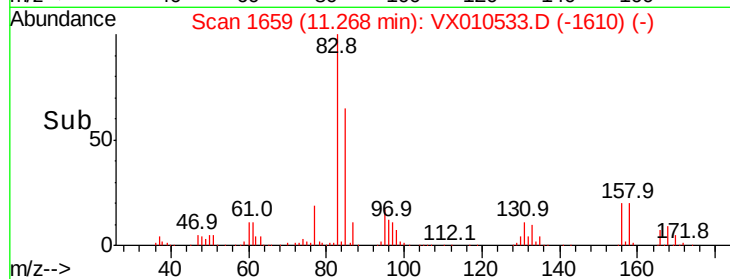
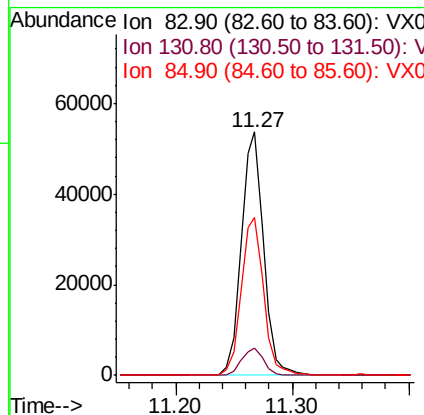
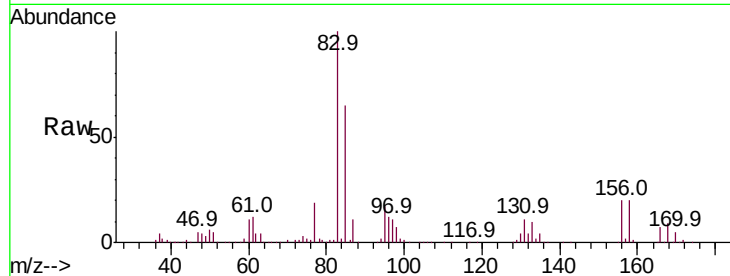
ClientSampled :

VX0628WBSD01

Tot Ion:	83	Resp:	71508
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	65.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.842 ug/l m

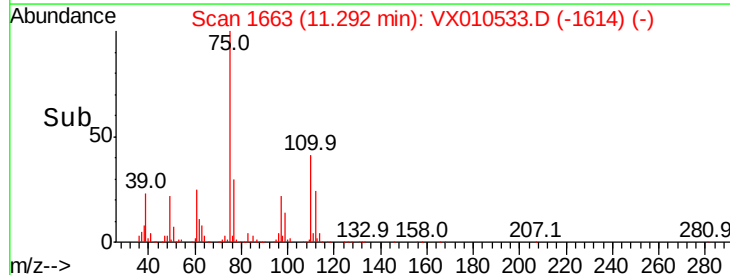
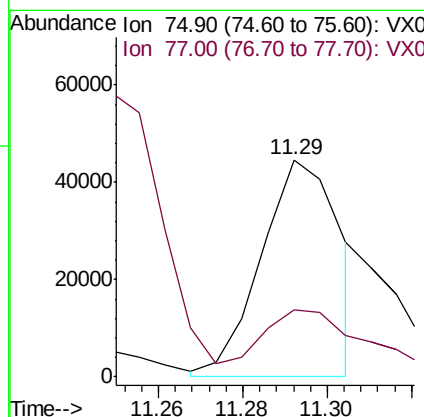
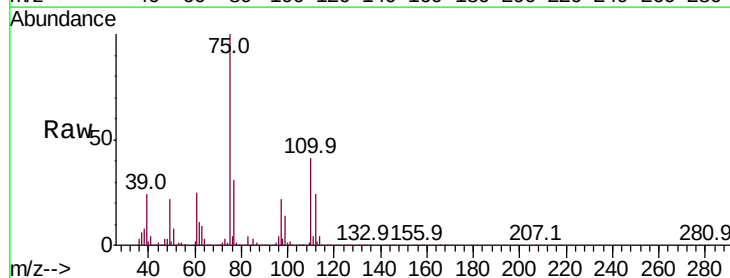
RT: 11.29 min Scan# 1663

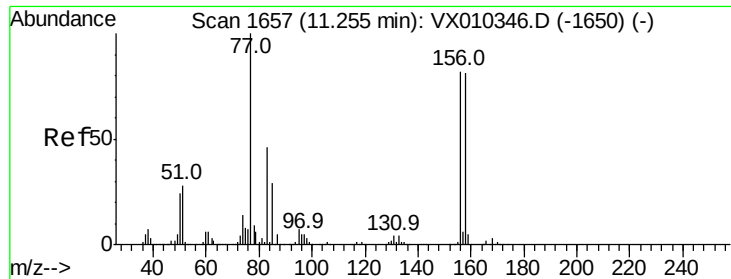
Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion:	75	Resp:	57623
Ion	Ratio	Lower	Upper
75	100		
77	42.0	22.6	67.8





#77

Bromobenzene

Concen: 19.148 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:156 Resp: 57760

Ion Ratio Lower Upper

156 100

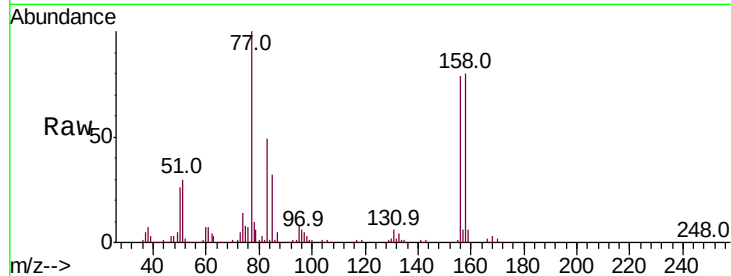
77 132.7 66.3 198.7

158 97.9 48.9 146.7

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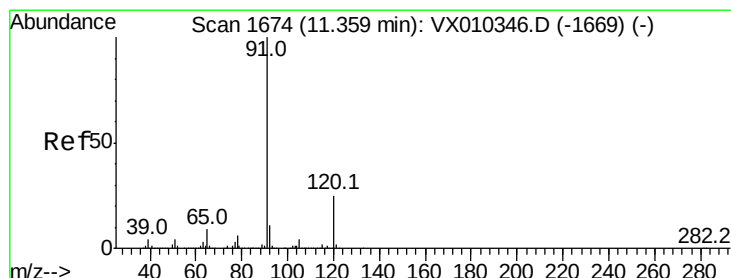
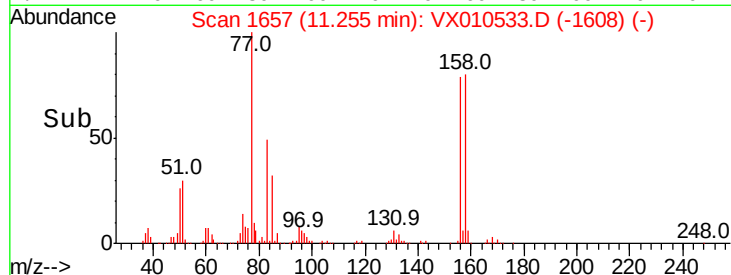
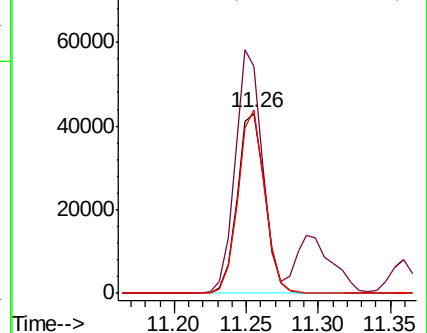
7/1/2019 11:35:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.349 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010533.D

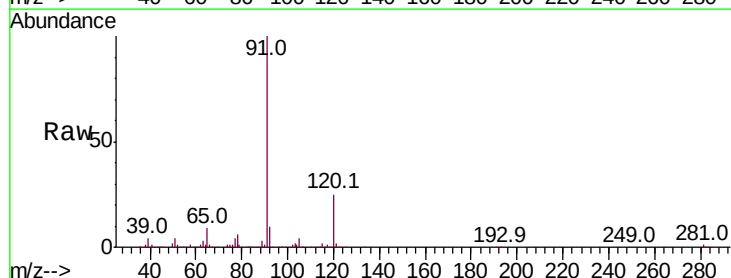
Acq: 28 Jun 2019 13:51

Tgt Ion: 91 Resp: 229728

Ion Ratio Lower Upper

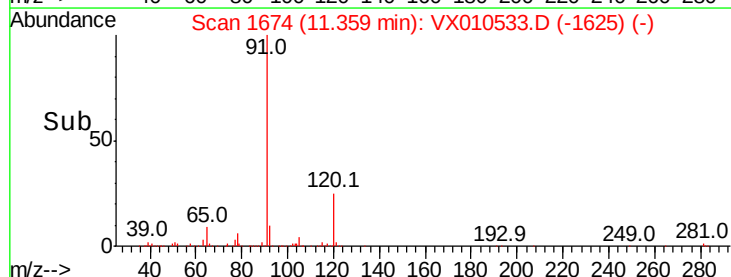
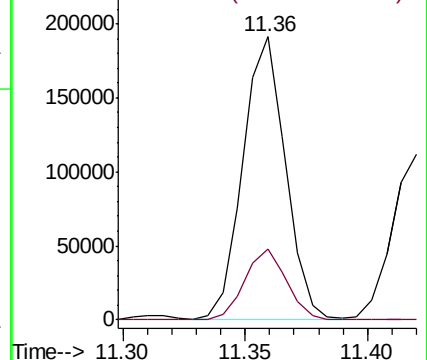
91 100

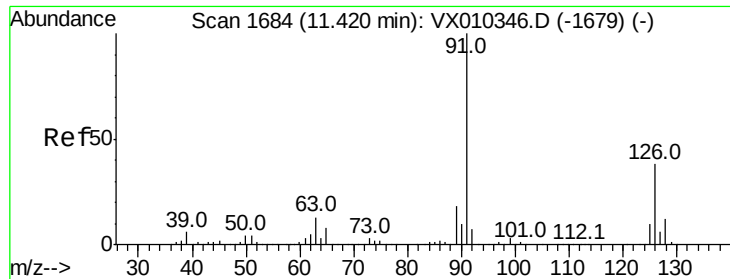
120 24.8 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.495 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampled :

VX0628WBSD01

Tot Ion: 91 Resp: 137830

Ion Ratio Lower Upper

91 100

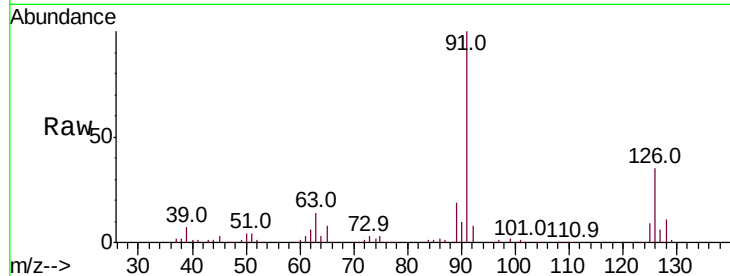
126 36.4 18.7 56.1

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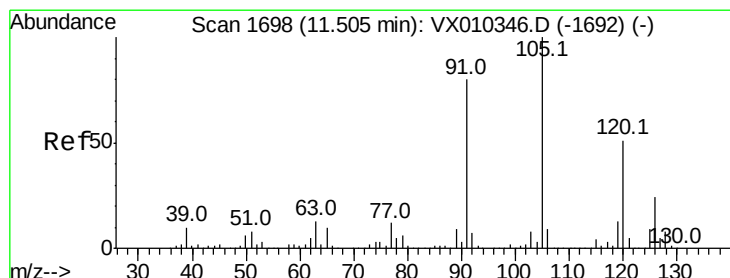
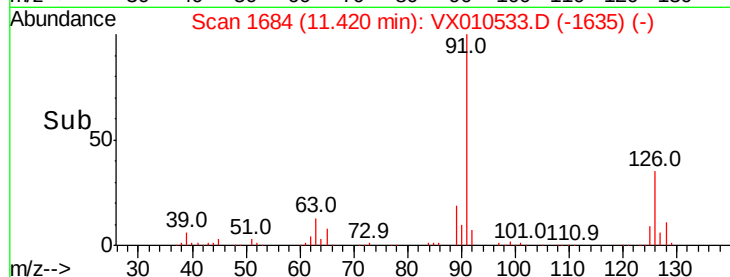
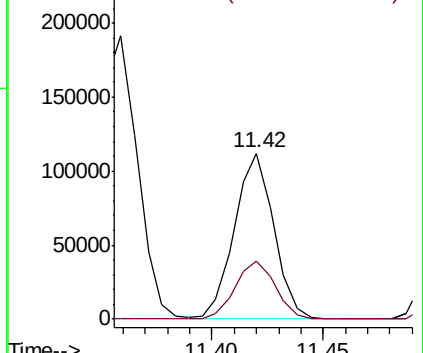
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.236 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010533.D

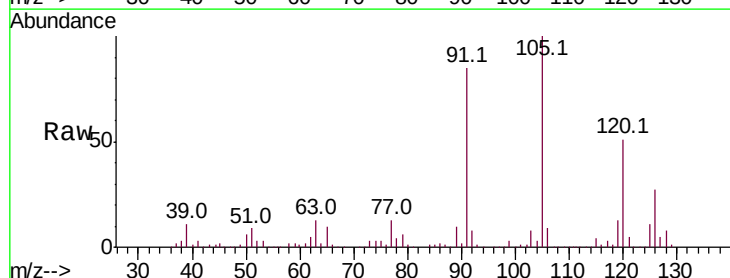
Acq: 28 Jun 2019 13:51

Tgt Ion: 105 Resp: 171310

Ion Ratio Lower Upper

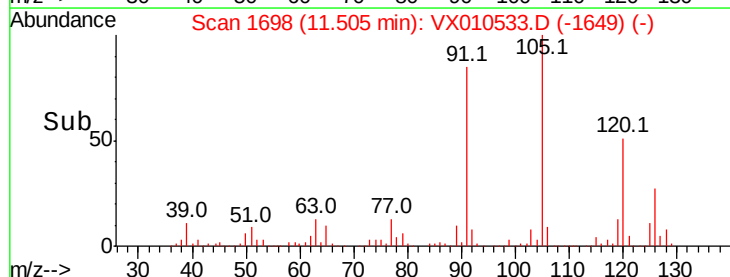
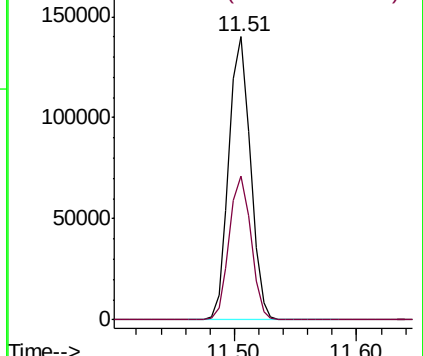
105 100

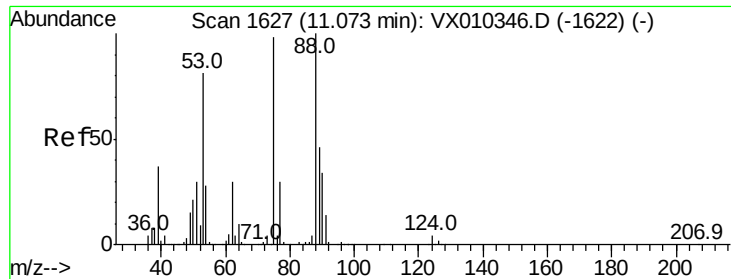
120 51.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.734 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

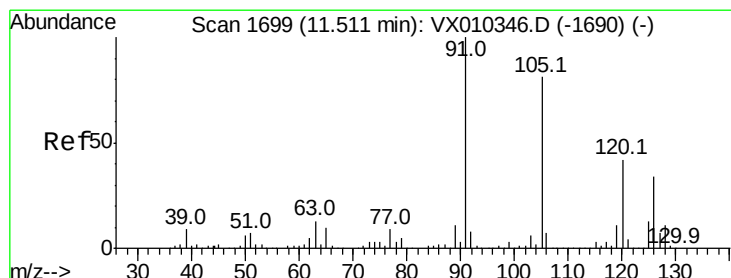
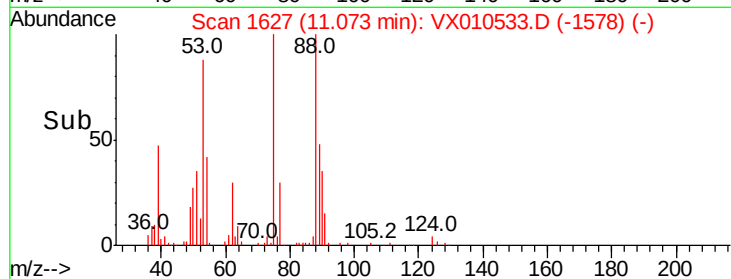
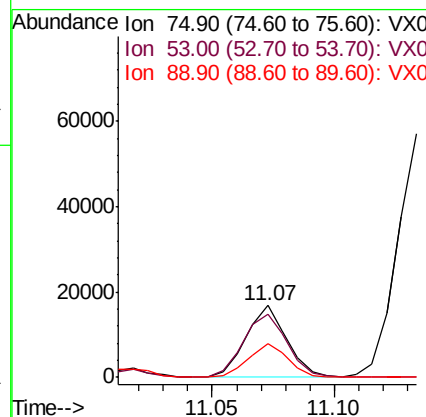
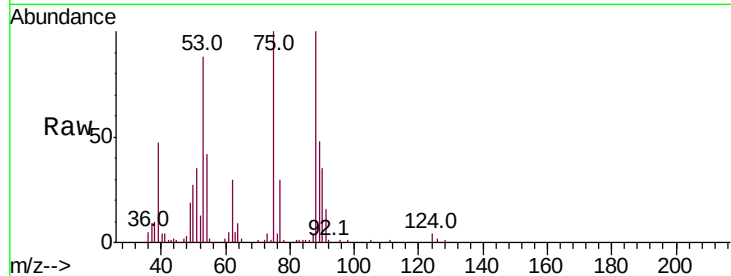
ClientSampled :

VX0628WBSD01

Tot Ion:	75	Resp:	19586
Ion	Ratio	Lower	Upper
75	100		
53	95.1	66.1	99.1
89	47.1	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.434 ug/l

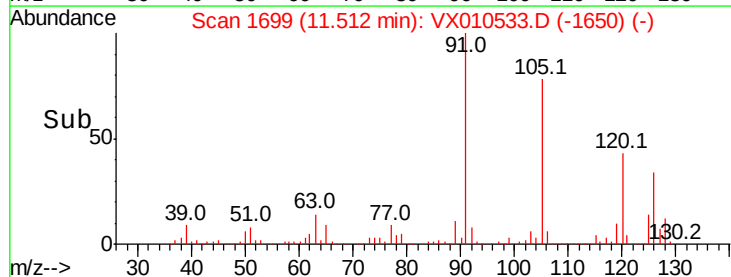
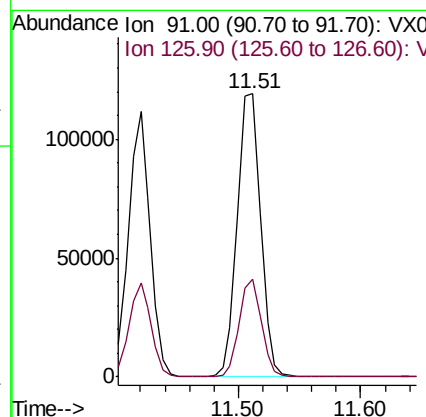
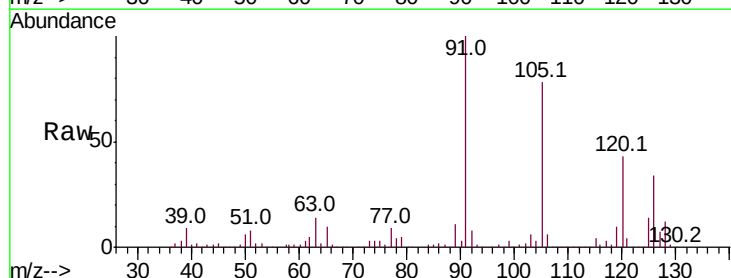
RT: 11.51 min Scan# 1699

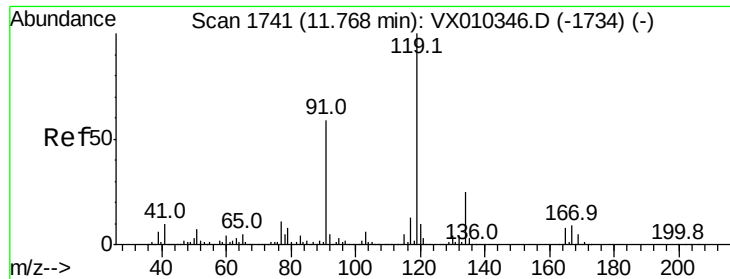
Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion:	91	Resp:	156347
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.6





#83

tert-Butylbenzene

Concen: 19.136 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

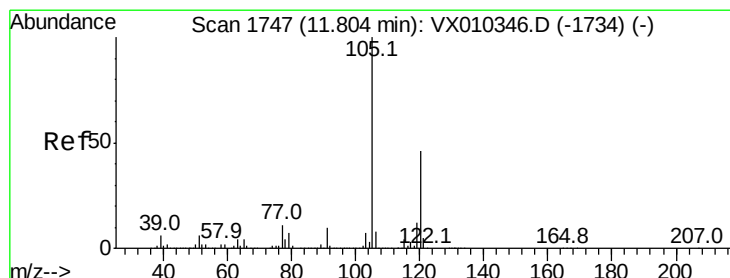
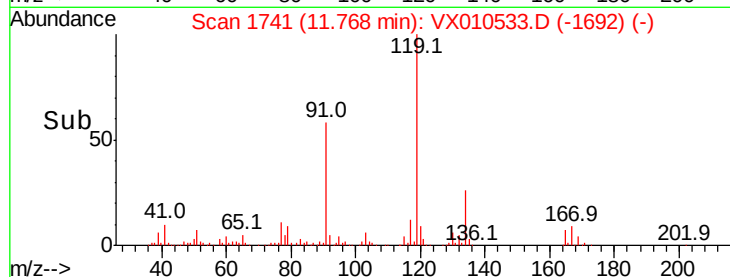
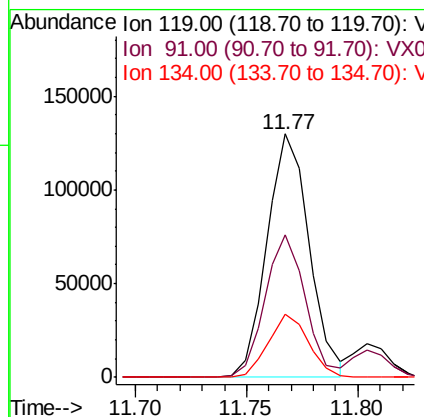
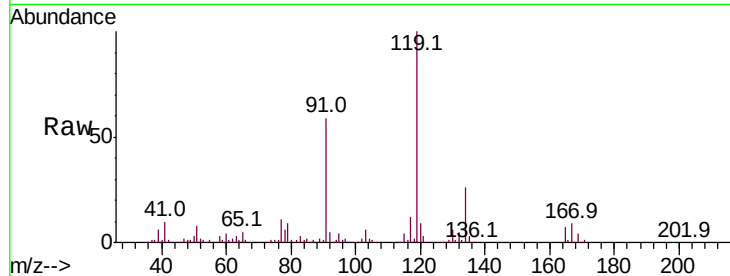
ClientSampled :

VX0628WBSD01

Tot Ion:	119	Resp:	171046
Ion Ratio	Lower	Upper	
119	100		
91	56.1	27.6	82.7
134	24.8	11.8	35.4

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#84

1,2,4-Trimethylbenzene

Concen: 19.456 ug/l

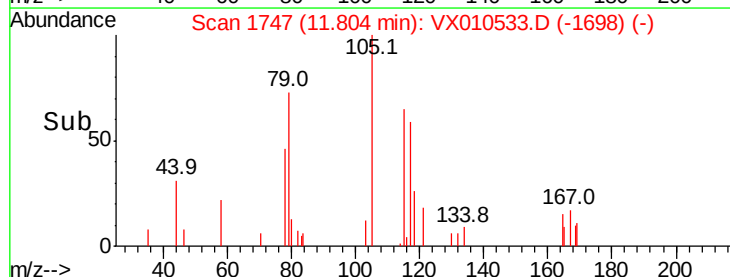
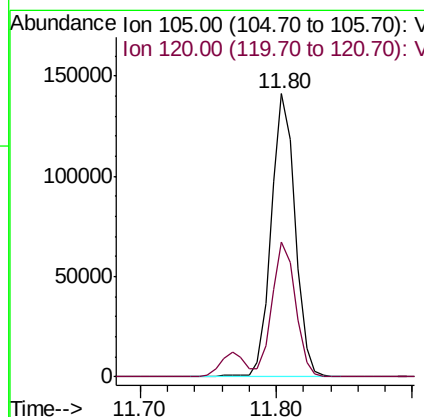
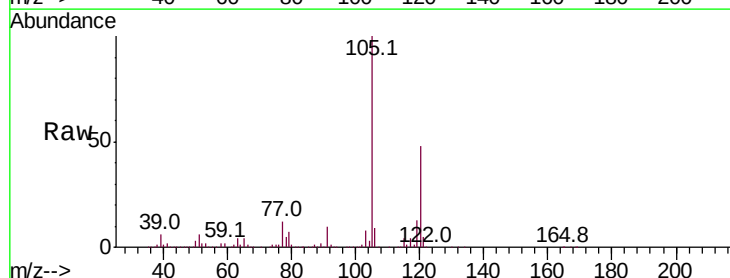
RT: 11.80 min Scan# 1747

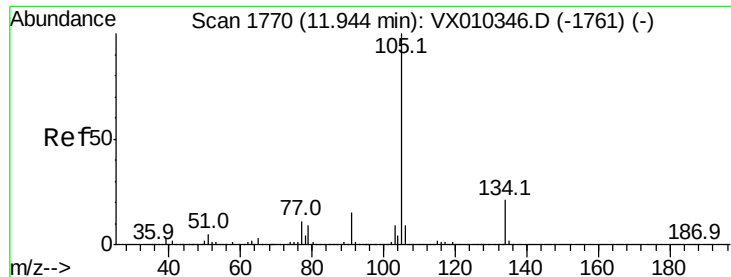
Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Tgt Ion:	105	Resp:	174081
Ion Ratio	Lower	Upper	
105	100		
120	47.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.050 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:105 Resp: 199932

Ion Ratio Lower Upper

105 100

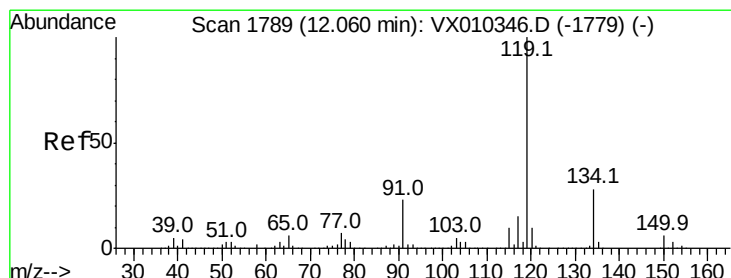
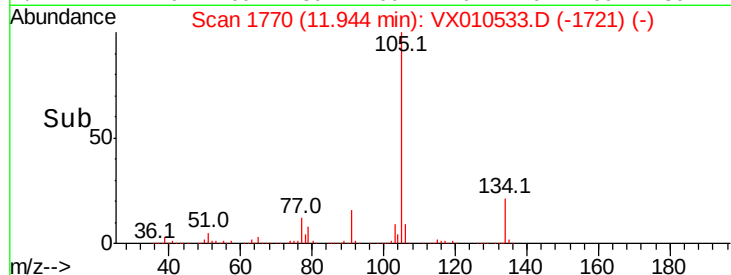
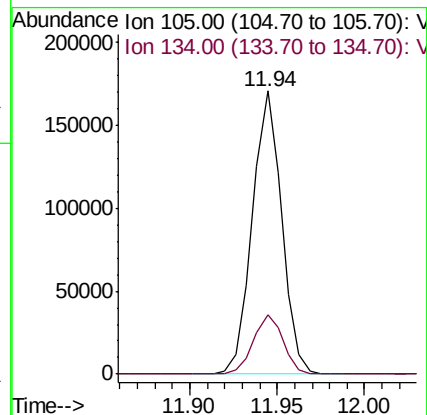
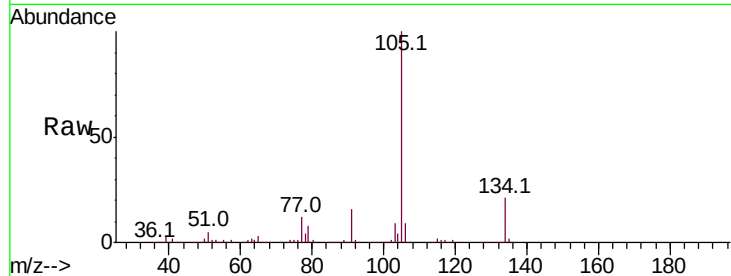
134 21.3 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.069 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010533.D

Acq: 28 Jun 2019 13:51

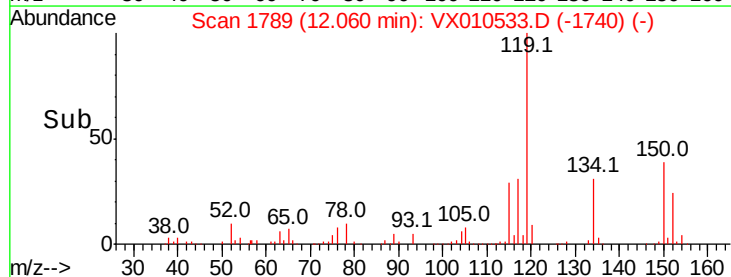
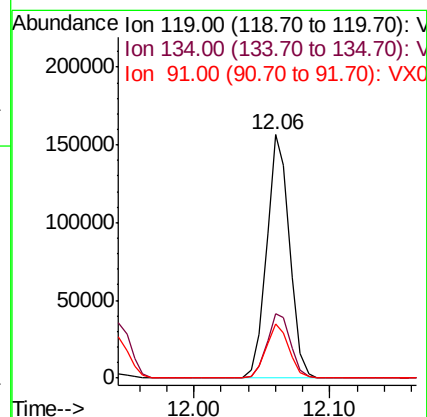
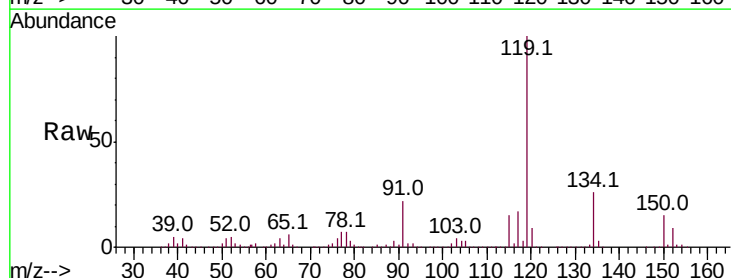
Tgt Ion:119 Resp: 185115

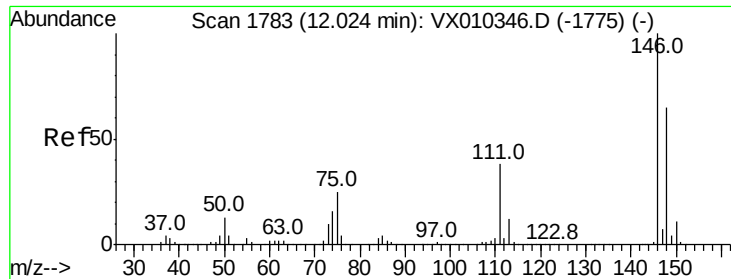
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

91 22.6 11.3 33.8





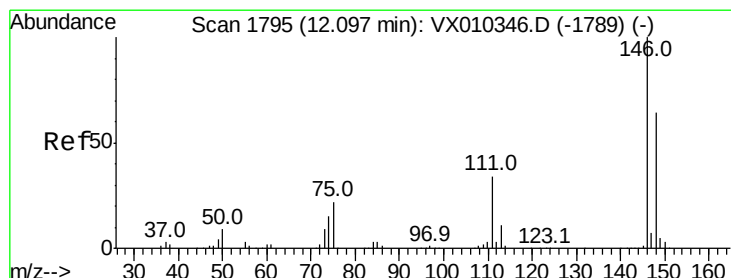
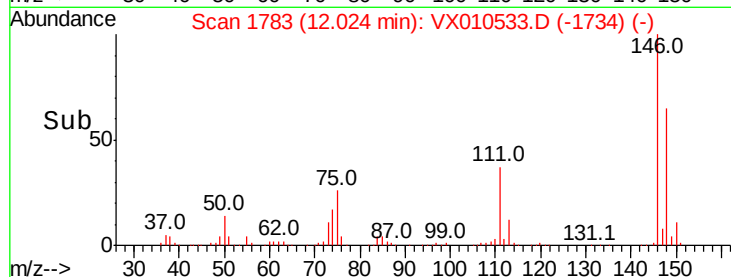
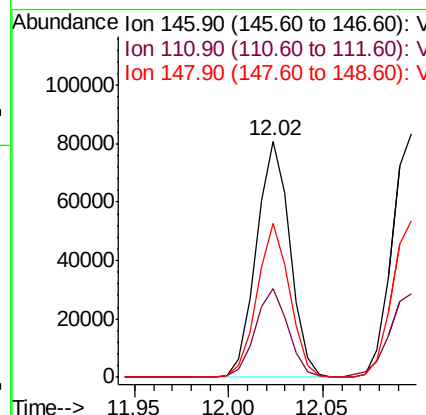
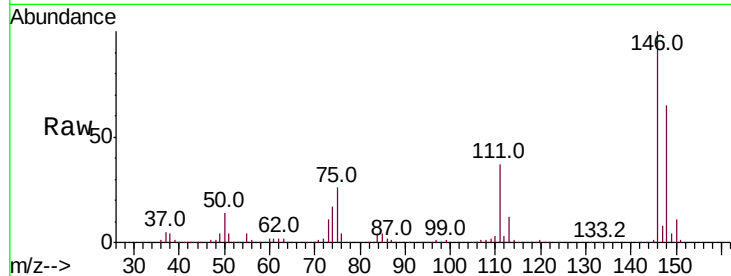
#87
 1,3-Dichlorobenzene
 Concen: 18.992 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.1	57.1
148	63.0	32.5	97.4

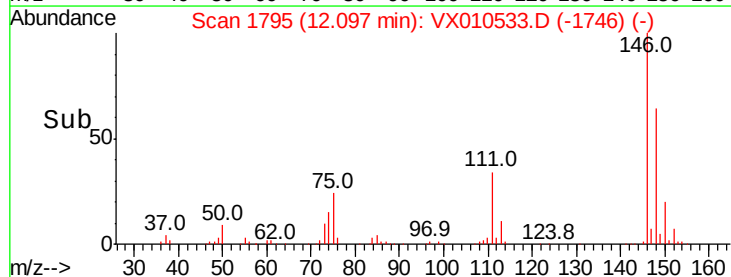
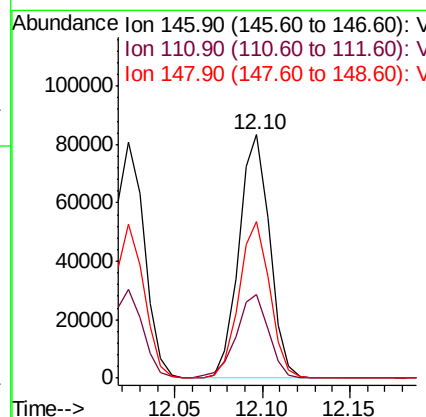
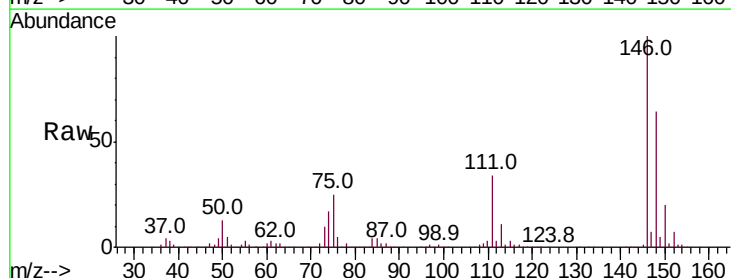
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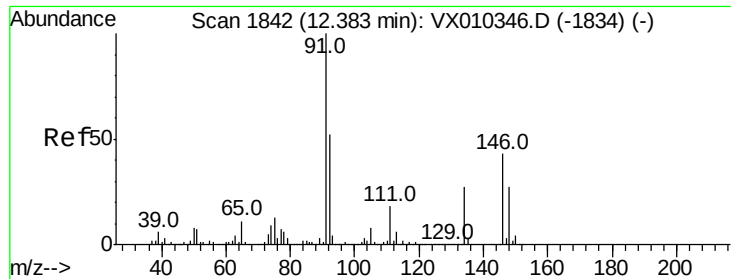
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 7/1/2019 11:35:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.984 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.3
148	64.3	32.1	96.3





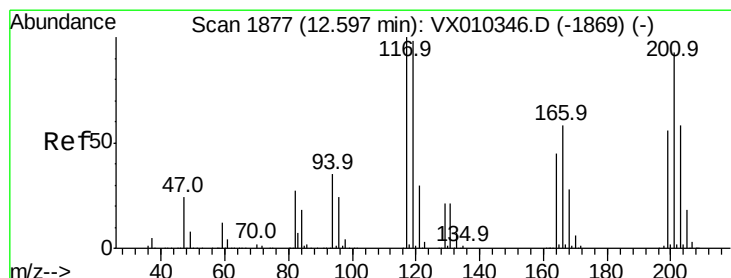
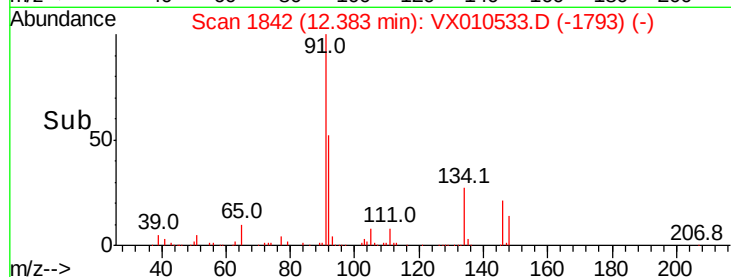
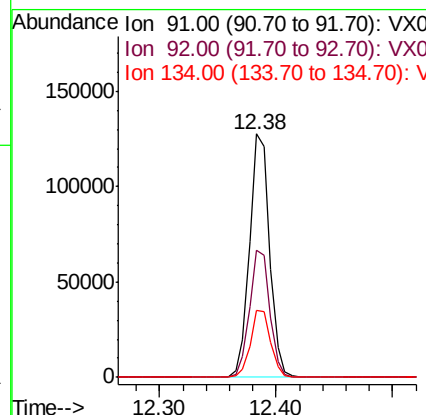
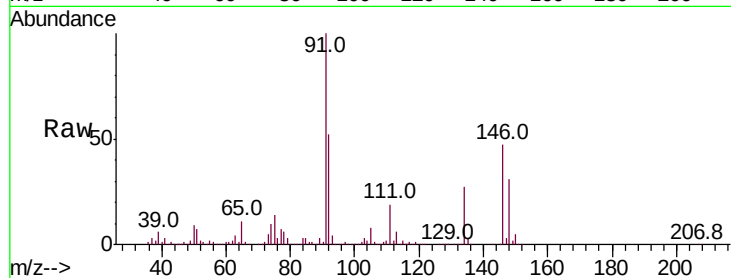
#89
n-Butylbenzene
Concen: 18.661 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampled :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	27.8	14.1	42.4

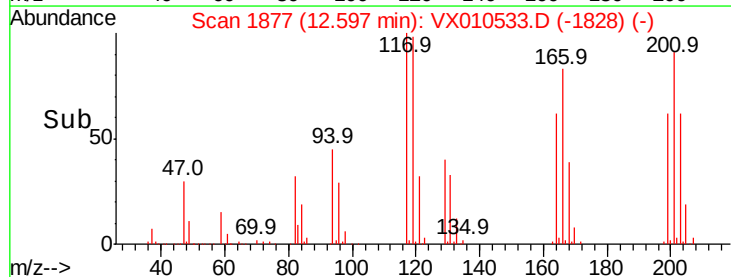
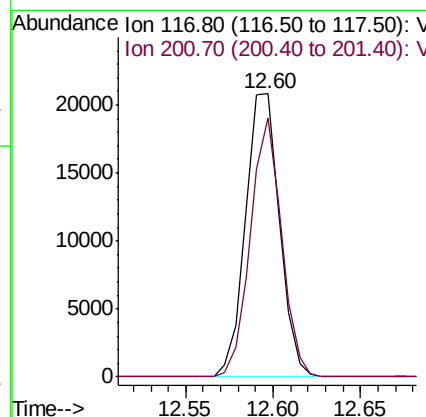
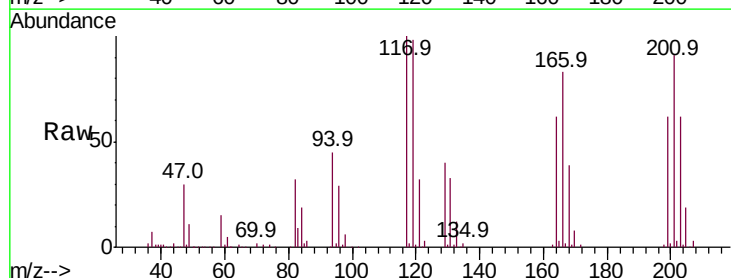
Manual Integrations
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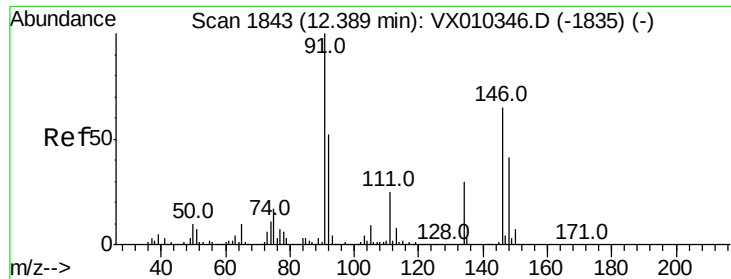
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#90
Hexachloroethane
Concen: 16.825 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	44.0	131.8





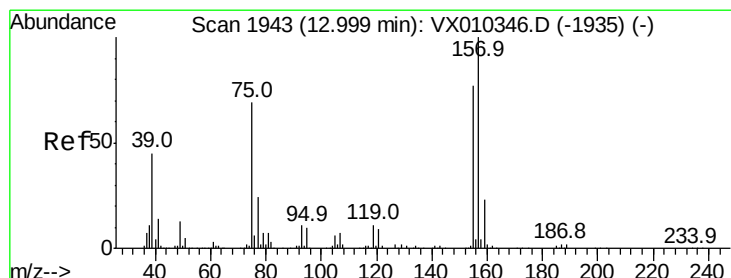
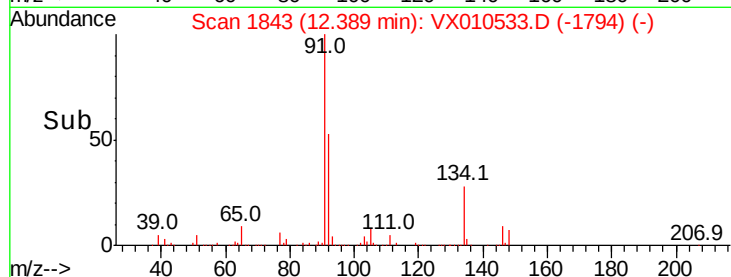
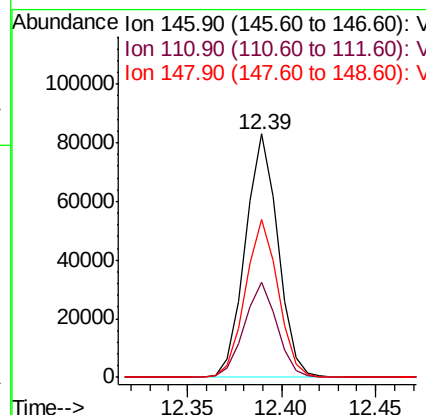
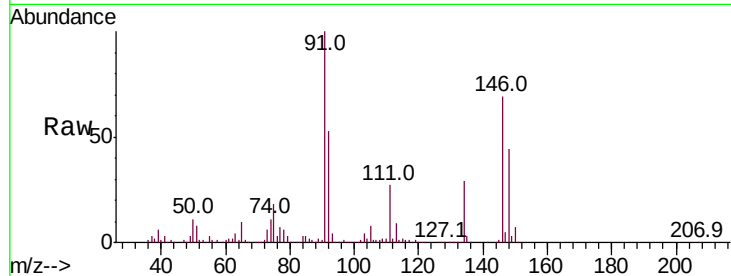
#91
 1,2-Dichlorobenzene
 Concen: 19.075 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.2	57.6
148	65.2	32.0	96.0

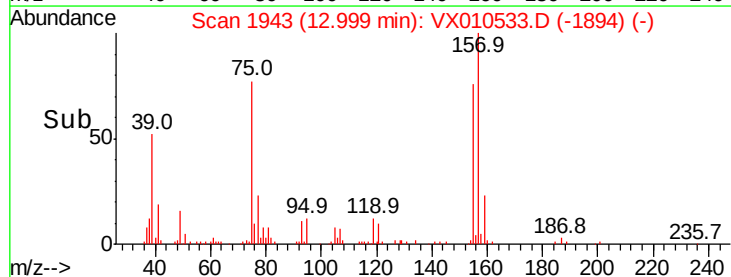
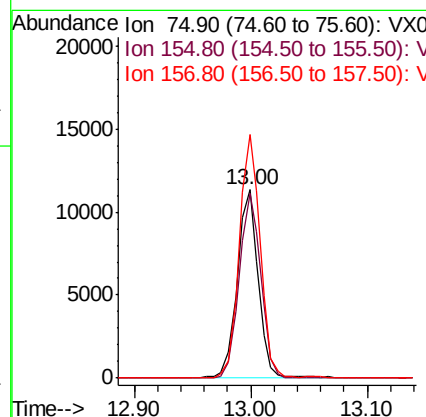
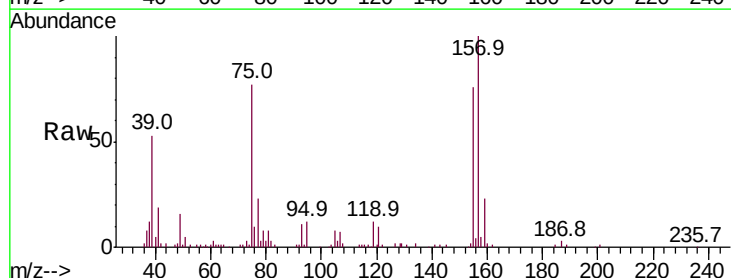
Manual Integrations
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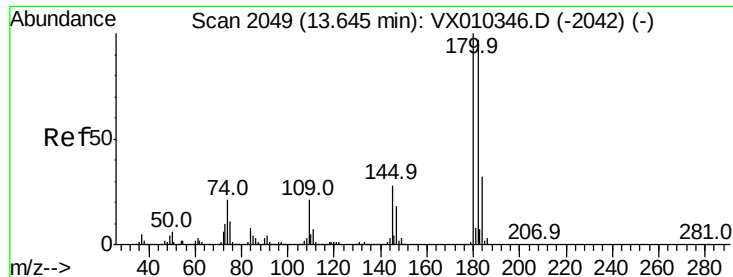
MMDadoda
 7/1/2019 11:35:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.537 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	54.4	163.1
157	127.9	69.5	208.3





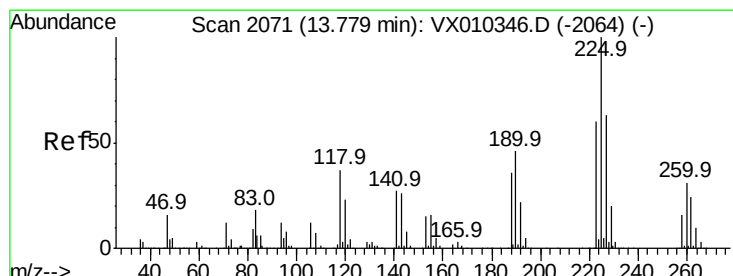
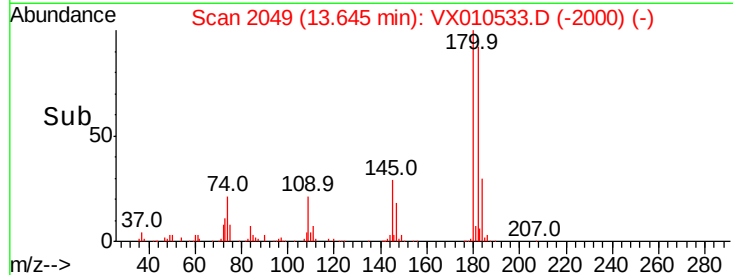
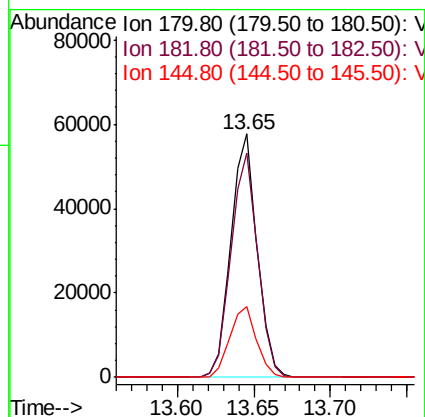
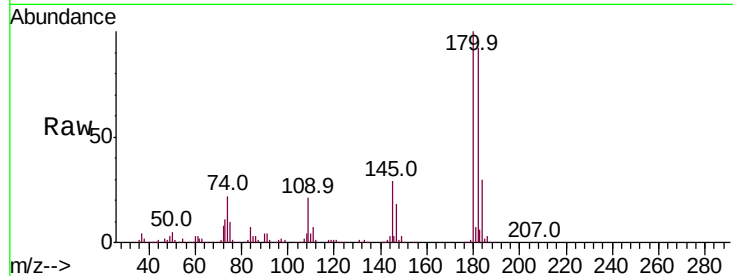
#93
 1,2,4-Trichlorobenzene
 Concen: 18.852 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68416		
182	94.0	48.0	144.0	
145	29.8	14.4	43.4	

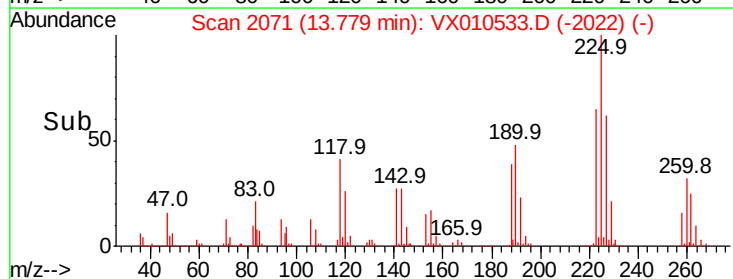
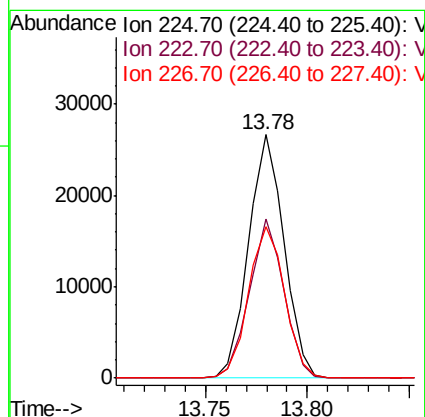
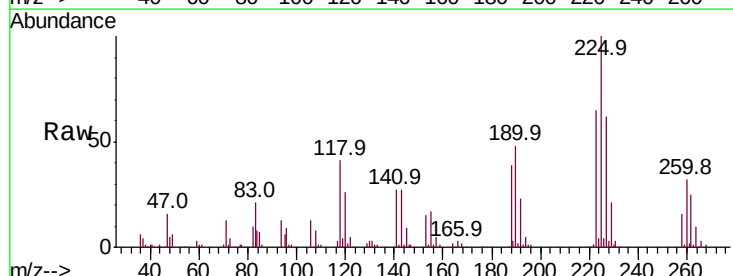
Manual Integrations
 APPROVED

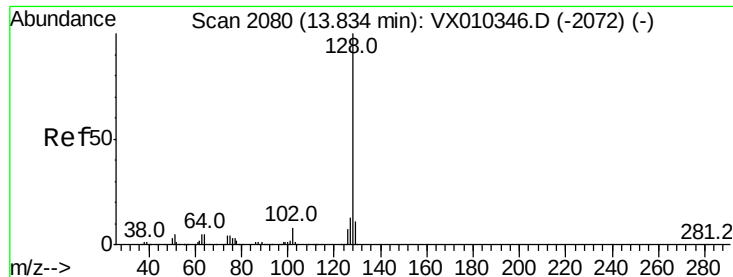
MMDadoda
 7/1/2019 11:35:42 AM



#94
 Hexachlorobutadiene
 Concen: 18.170 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010533.D
 Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32228		
223	63.3	30.9	92.7	
227	63.5	31.9	95.5	





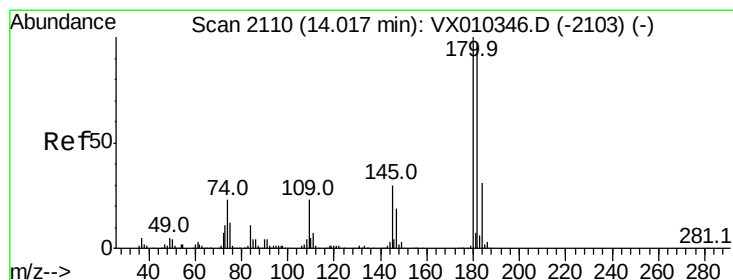
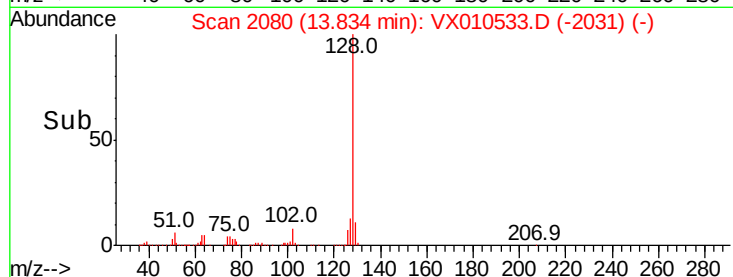
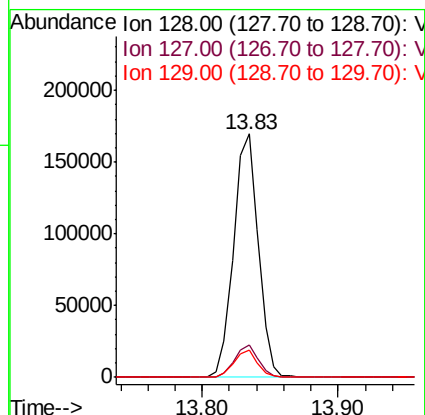
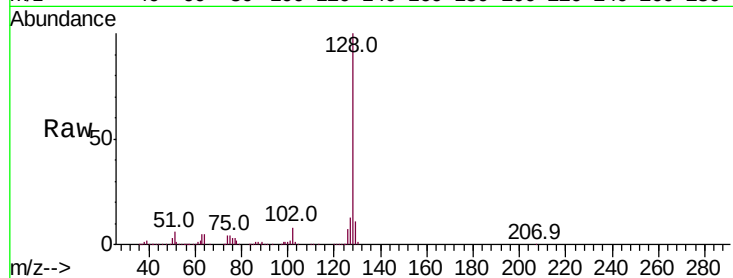
#95
Naphthalene
Concen: 19.208 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	214218		
127	12.7	10.2	15.4	
129	10.8	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:35:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.283 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010533.D
Acq: 28 Jun 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69578		
182	96.4	47.8	143.3	
145	30.8	15.2	45.6	

