

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090219\
 Data File : VX012010.D
 Acq On : 02 Sep 2019 12:00
 Operator : SY/SP
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 9/3/2019 2:15:39 PM

Quant Time: Sep 03 05:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 05:11:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	405546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	539918	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	495035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	295256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	17691	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
35) Dibromofluoromethane	5.48	113	15790	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	
50) Toluene-d8	8.71	98	61243	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
62) 4-Bromofluorobenzene	11.13	95	25210	4.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	12196	4.982	ug/l	99
3) Chloromethane	1.31	50	12482	5.131	ug/l	97
4) Vinyl Chloride	1.40	62	12127	4.907	ug/l	100
5) Bromomethane	1.63	94	10671	6.090	ug/l	99
6) Chloroethane	1.72	64	8282	5.299	ug/l	94
7) Trichlorofluoromethane	1.92	101	21804	4.860	ug/l	96
8) Diethyl Ether	2.17	74	6890	5.051	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	12896	4.514	ug/l	96
10) Methyl Iodide	2.50	142	11221	3.932	ug/l	96
11) Tert butyl alcohol	3.02	59	7905	26.701	ug/l	99
12) 1,1-Dichloroethene	2.36	96	12015	4.609	ug/l	96
13) Acrolein	2.28	56	3386	31.239	ug/l	93
14) Allyl chloride	2.72	41	22160	4.960	ug/l	98
15) Acrylonitrile	3.13	53	16512	23.660	ug/l	96
16) Acetone	2.42	43	20393	28.994	ug/l	97
17) Carbon Disulfide	2.56	76	33642	4.575	ug/l	98
18) Methyl Acetate	2.76	43	10432	5.724	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	37162	4.782	ug/l	100
20) Methylene Chloride	2.84	84	18466	5.813	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	15691	5.064	ug/l	97
22) Diisopropyl ether	3.84	45	44758	4.982	ug/l	93
23) Vinyl Acetate	3.80	43	127111	22.502	ug/l	99
24) 1,1-Dichloroethane	3.68	63	26183	4.997	ug/l	98
25) 2-Butanone	4.65	43	22336	23.310	ug/l	99
26) 2,2-Dichloropropane	4.56	77	25373	5.221	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	17793	4.998	ug/l	97
28) Bromochloromethane	5.00	49	11710	5.438	ug/l	93
29) Tetrahydrofuran	5.12	42	13488	22.888	ug/l	94
30) Chloroform	5.19	83	29686	5.162	ug/l	97
31) Cyclohexane	5.56	56	21938	5.026	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	26302	4.916	ug/l	99
36) 1,1-Dichloropropene	5.79	75	19788	4.790	ug/l	96
37) Ethyl Acetate	4.82	43	9184	4.441	ug/l #	82
38) Carbon Tetrachloride	5.77	117	23583	4.694	ug/l #	97

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 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 9/3/2019 2:15:39 PM

Quant Time: Sep 03 05:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 05:11:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	24590	4.902	ug/l	97
40) Benzene	6.13	78	58382	4.893	ug/l	99
41) Methacrylonitrile	5.03	41	5550	4.453	ug/l #	97
42) 1,2-Dichloroethane	6.18	62	19931	4.931	ug/l	98
43) Isopropyl Acetate	6.43	43	18937	4.430	ug/l	96
44) Trichloroethene	7.20	130	19738	4.981	ug/l	95
45) 1,2-Dichloropropane	7.51	63	14555	4.848	ug/l	100
46) Dibromomethane	7.65	93	8689	4.828	ug/l	96
47) Bromodichloromethane	7.89	83	21899	4.820	ug/l	98
48) Methyl methacrylate	7.76	41	9440	4.478	ug/l	96
49) 1,4-Dioxane	7.73	88	2904	98.197	ug/l	90
51) 4-Methyl-2-Pentanone	8.64	43	48214	22.441	ug/l	99
52) Toluene	8.78	92	39173	4.845	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	21887	4.759	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	25310	4.889	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	12631	4.807	ug/l	98
56) Ethyl methacrylate	9.17	69	15541	4.454	ug/l	98
57) 1,3-Dichloropropane	9.36	76	20584	4.770	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.30	63	39391	24.843	ug/l	99
59) 2-Hexanone	9.48	43	34382	22.480	ug/l	100
60) Dibromochloromethane	9.57	129	16991	4.652	ug/l	99
61) 1,2-Dibromoethane	9.67	107	12124	4.633	ug/l	99
64) Tetrachloroethene	9.33	164	21320	5.233	ug/l	97
65) Chlorobenzene	10.14	112	47408	5.073	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	18291	4.877	ug/l	99
67) Ethyl Benzene	10.25	91	79675	5.047	ug/l	100
68) m/p-Xylenes	10.35	106	62883	10.144	ug/l	98
69) o-Xylene	10.70	106	30402	5.056	ug/l	100
70) Styrene	10.71	104	49869	4.833	ug/l	98
71) Bromoform	10.85	173	12105	4.652	ug/l #	98
73) Isopropylbenzene	11.01	105	83460	5.065	ug/l	99
74) N-amyl acetate	10.89	43	18164	4.421	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	14481	4.801	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	10307m	4.410	ug/l	
77) Bromobenzene	11.25	156	24138	5.010	ug/l	100
78) n-propylbenzene	11.35	91	94065	5.073	ug/l	99
79) 2-Chlorotoluene	11.42	91	56213	5.121	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	72938	5.132	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	4730	4.774	ug/l	97
82) 4-Chlorotoluene	11.51	91	68296	5.185	ug/l	99
83) tert-Butylbenzene	11.77	119	73207	4.983	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	74204	5.152	ug/l	99
85) sec-Butylbenzene	11.94	105	85134	5.045	ug/l	100
86) p-Isopropyltoluene	12.06	119	84106	5.090	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	47241	5.229	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	46726	5.205	ug/l	94
89) n-Butylbenzene	12.39	91	73660	5.148	ug/l	99
90) Hexachloroethane	12.59	117	15203	4.901	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	41027	5.030	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2829	4.777	ug/l	98

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Misc : 5.00g/5.0mL/MSVOA X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

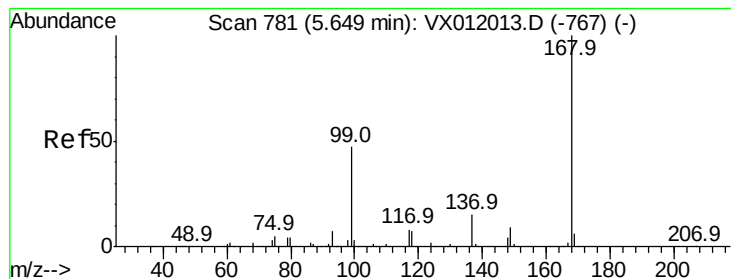
Manual Integrations
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Quant Time: Sep 03 05:20:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 05:11:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	38650	5.446	ug/l	100
94) Hexachlorobutadiene	13.78	225	24839	5.009	ug/l	98
95) Naphthalene	13.83	128	57224	5.244	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	34155	5.473	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 405546

Ion Ratio Lower Upper

168 100

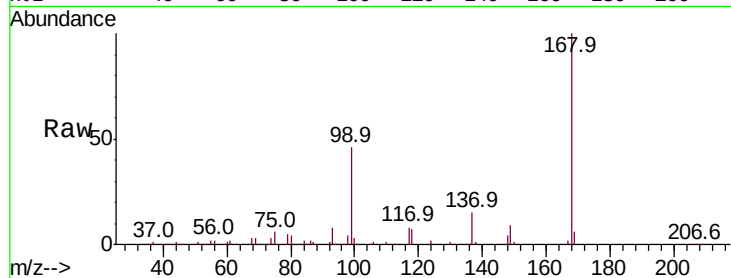
99 46.1 37.6 56.4

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

150000

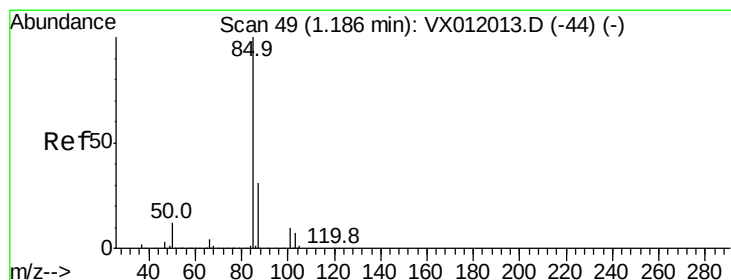
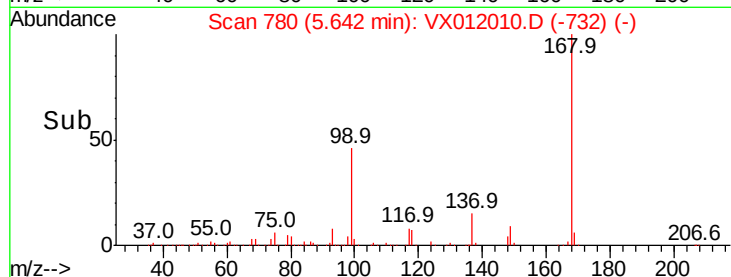
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.982 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012010.D

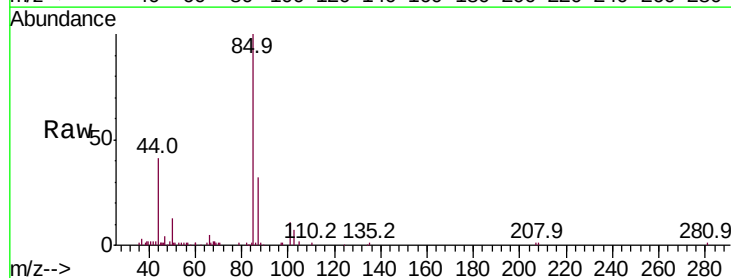
Acq: 02 Sep 2019 12:00

Tgt Ion: 85 Resp: 12196

Ion Ratio Lower Upper

85 100

87 31.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

12000

10000

8000

6000

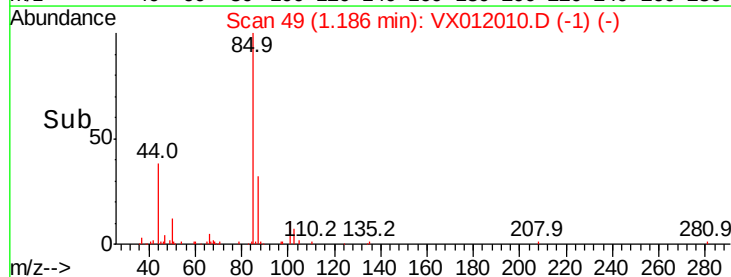
4000

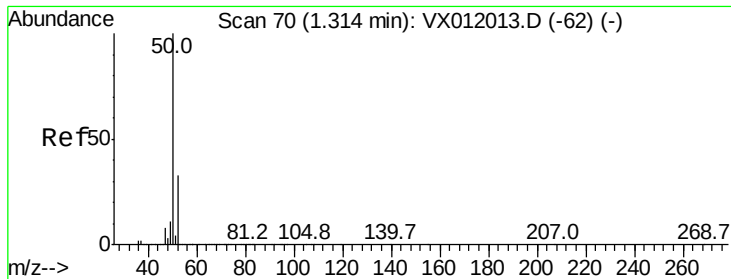
2000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 5.131 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 12482

Ion Ratio Lower Upper

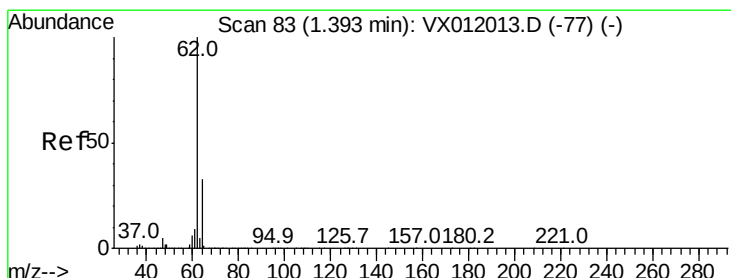
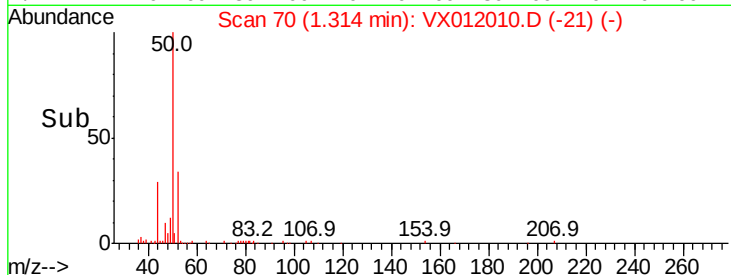
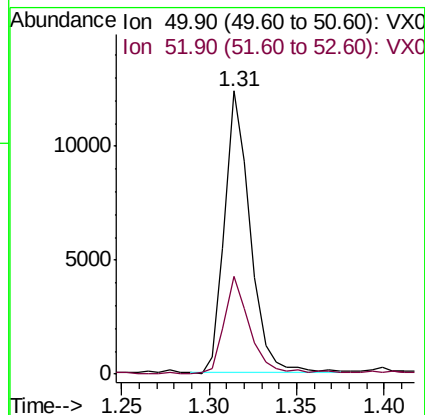
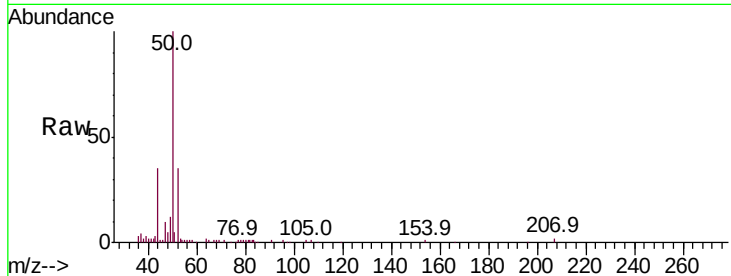
50 100

52 35.0 26.5 39.7

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#4

Vinyl Chloride

Concen: 4.907 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012010.D

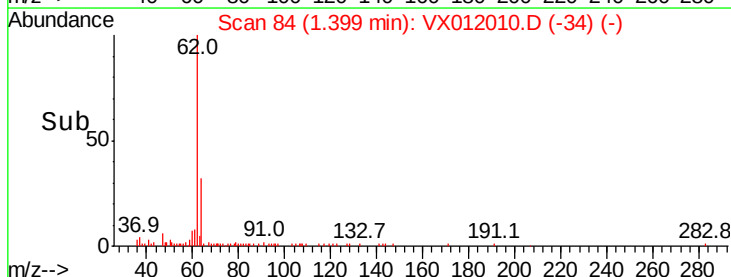
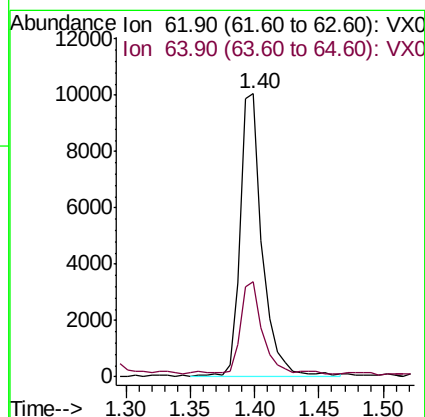
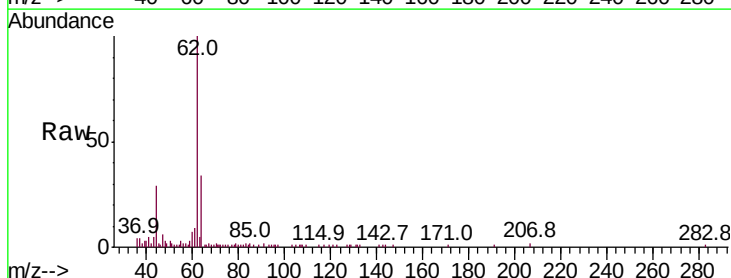
Acq: 02 Sep 2019 12:00

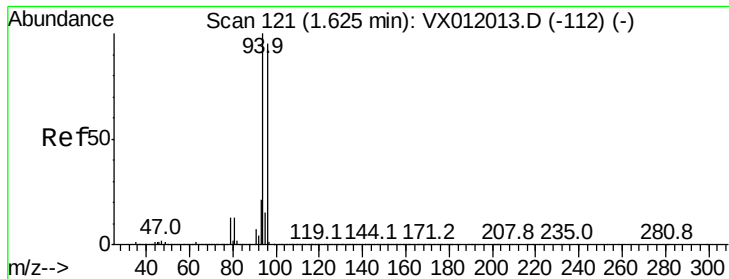
Tgt Ion: 62 Resp: 12127

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4





#5

Bromomethane

Concen: 6.090 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10671

Ion Ratio Lower Upper

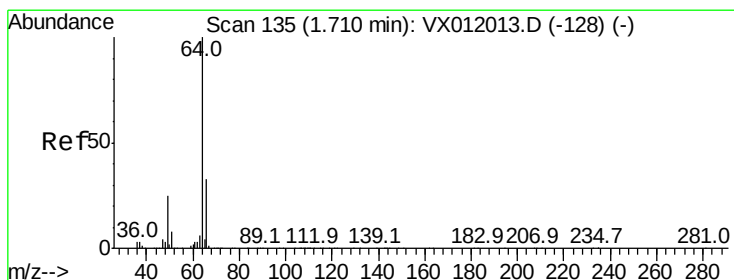
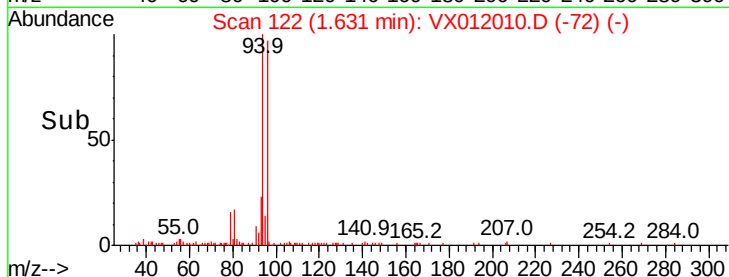
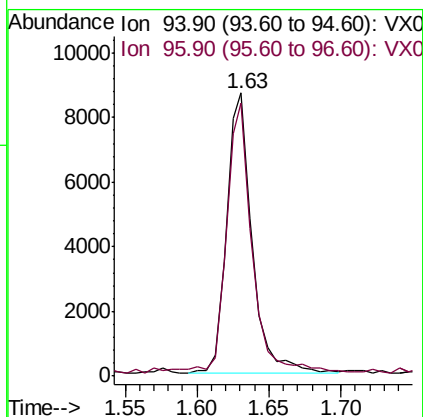
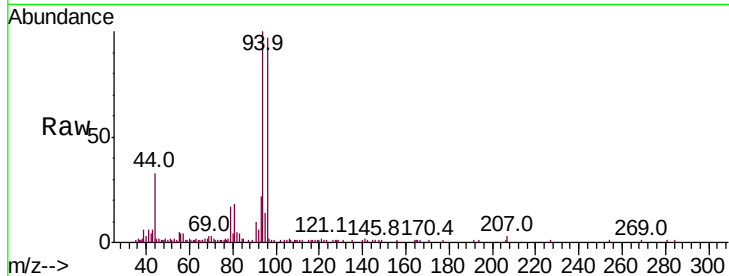
94 100

96 96.1 76.3 114.5

Manual Integrations
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#6

Chloroethane

Concen: 5.299 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012010.D

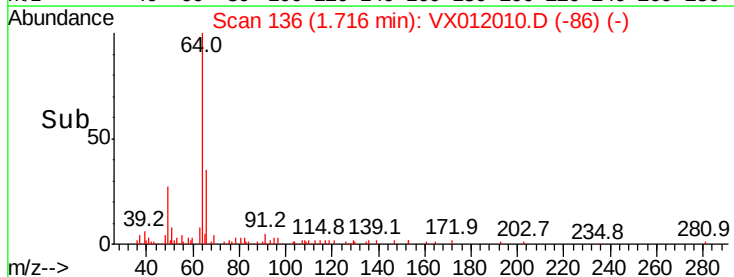
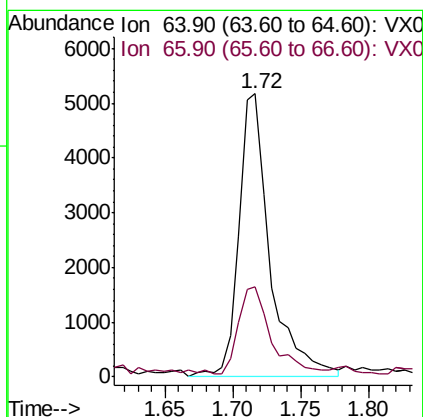
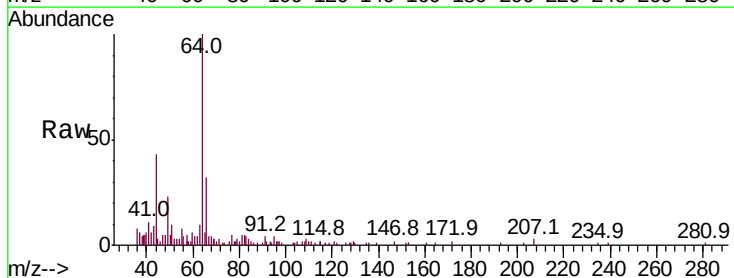
Acq: 02 Sep 2019 12:00

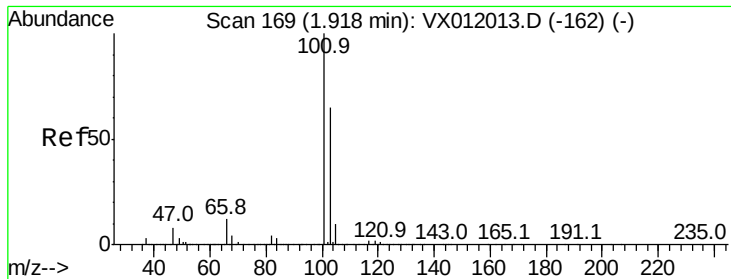
Tgt Ion: 64 Resp: 8282

Ion Ratio Lower Upper

64 100

66 29.6 26.3 39.5





#7

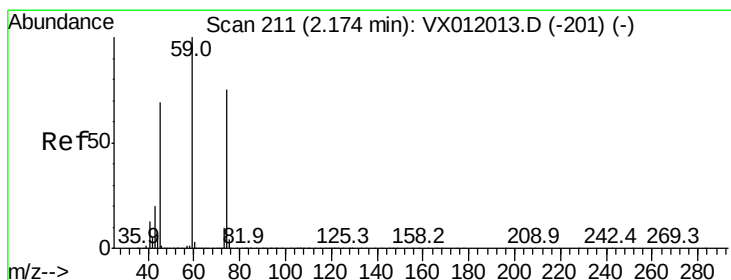
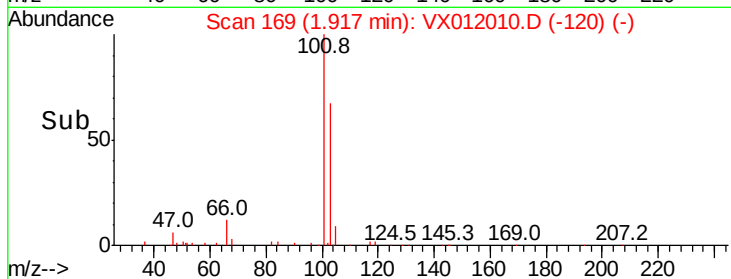
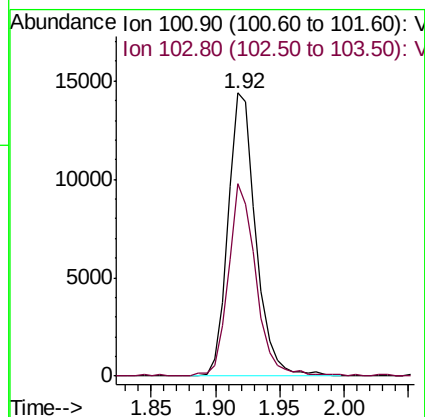
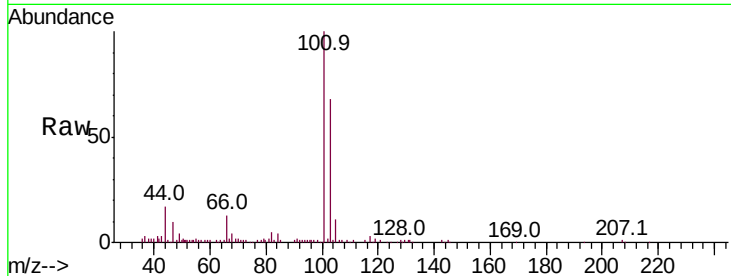
Trichlorofluoromethane
Concen: 4.860 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.6	77.4

Manual Integrations
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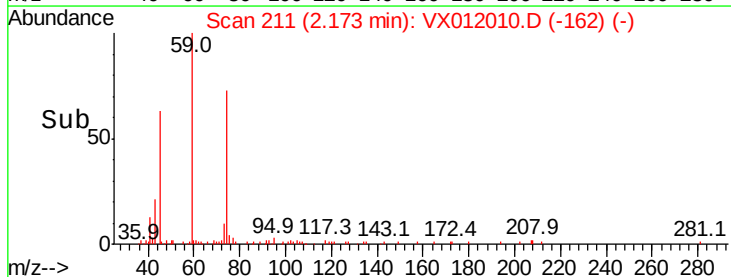
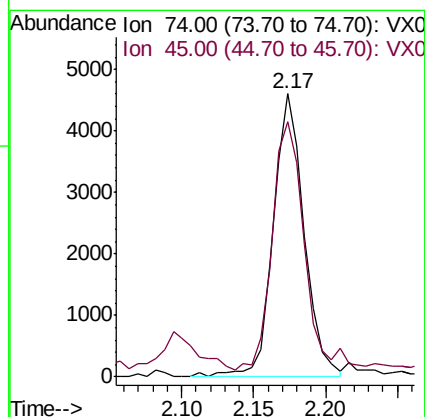
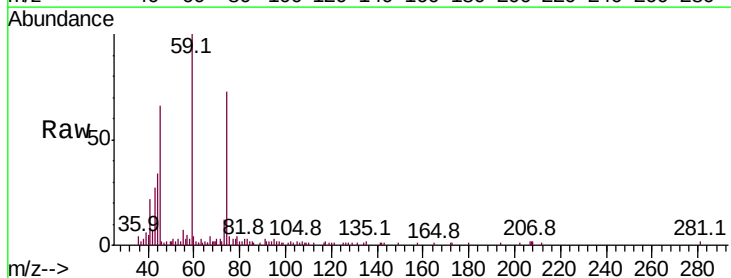
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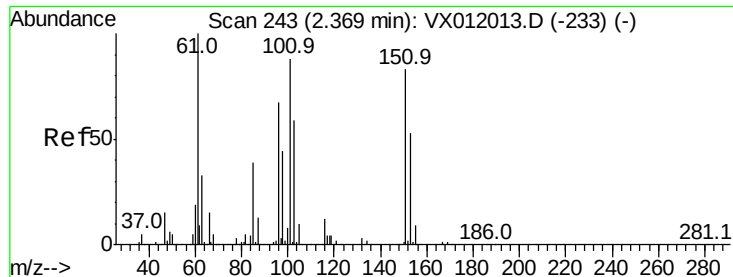


#8

Diethyl Ether
Concen: 5.051 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.514 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

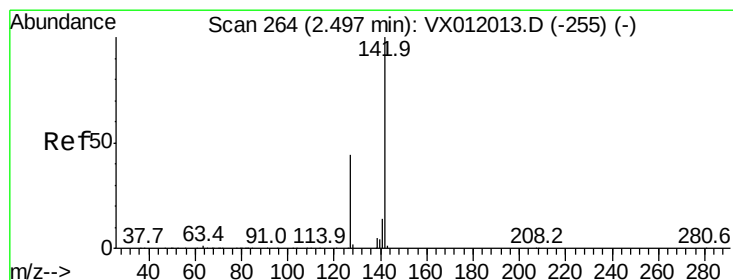
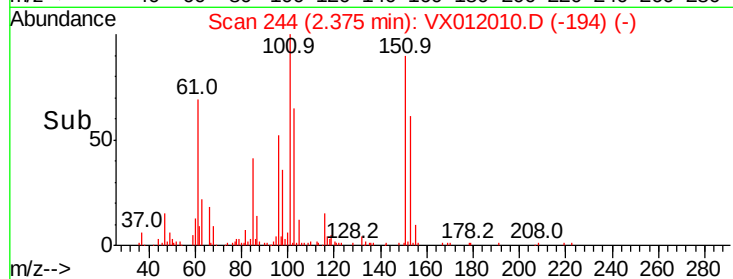
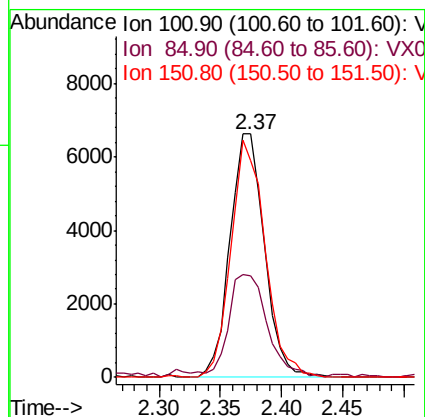
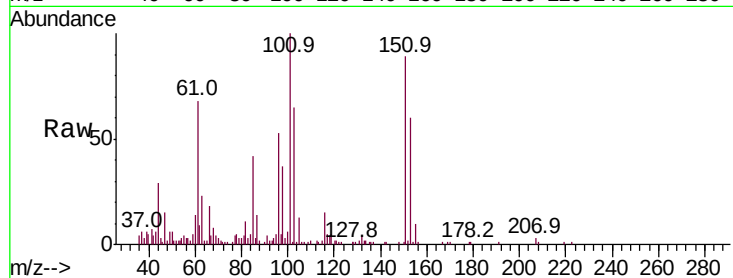
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12896
Ion Ratio	Lower	Upper	
101	100		
85	47.3	34.5	51.7
151	96.8	75.0	112.4

Manual Integrations
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#10

Methyl Iodide

Concen: 3.932 ug/l

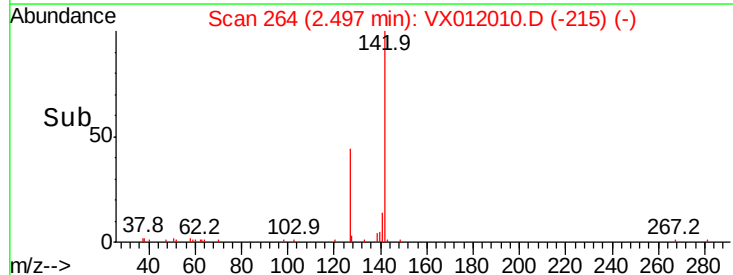
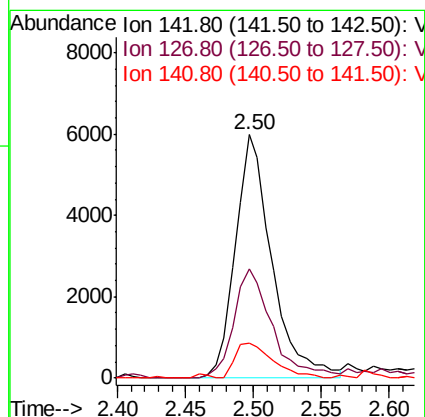
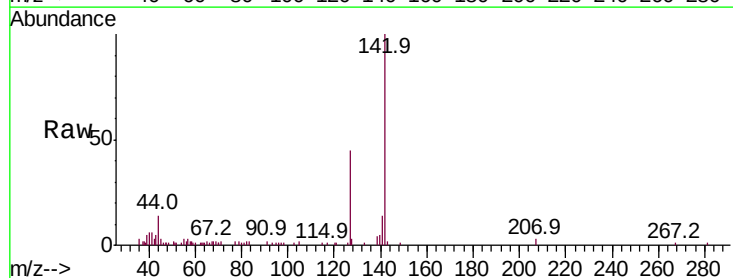
RT: 2.50 min Scan# 264

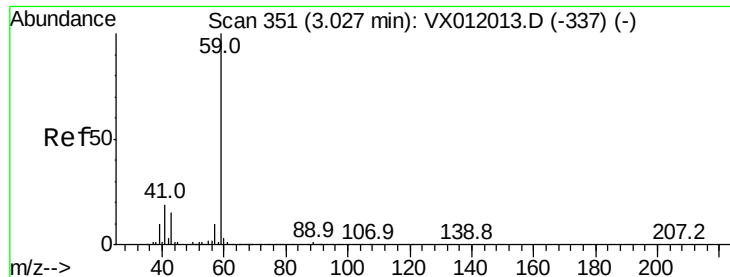
Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion:	142	Resp:	11221
Ion Ratio	Lower	Upper	
142	100		
127	47.1	35.4	53.2
141	14.9	11.4	17.2





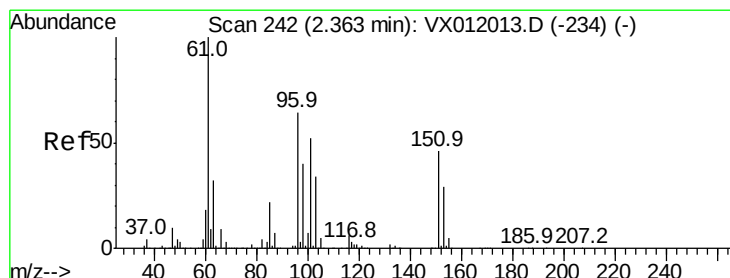
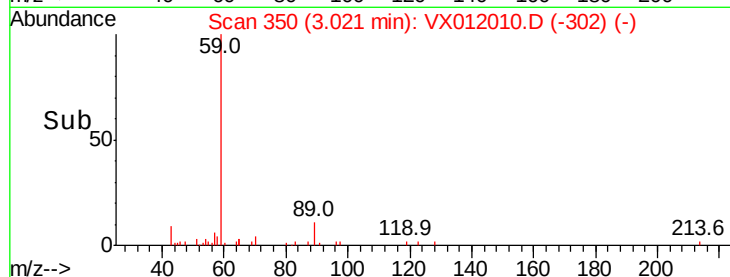
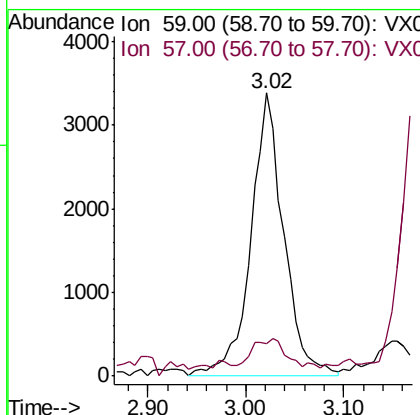
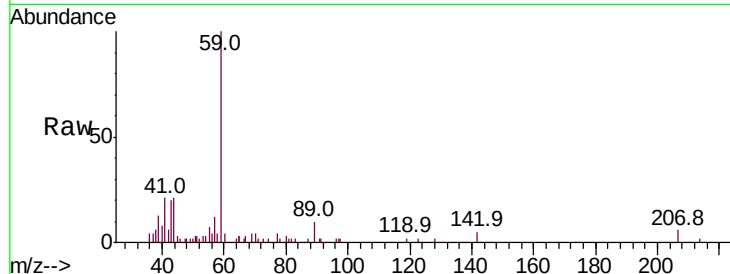
#11
Tert butyl alcohol
Concen: 26.701 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

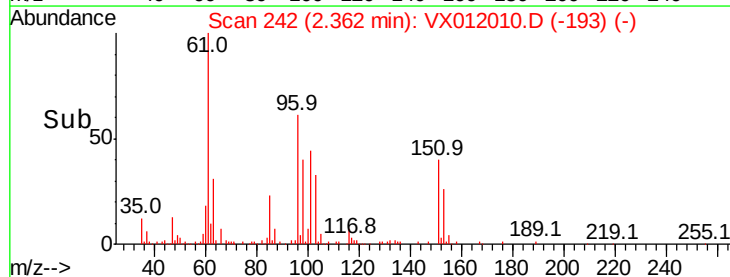
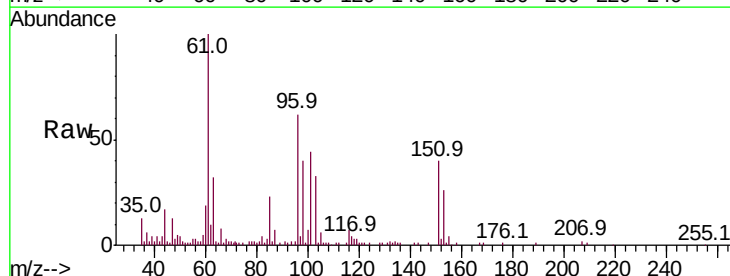
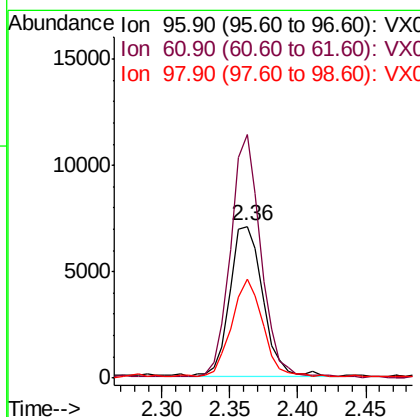
Manual Integrations
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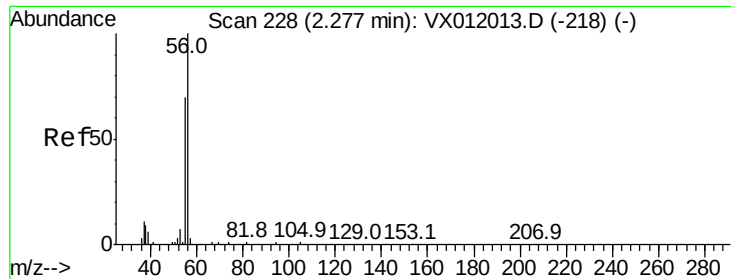
sam
9/3/2019 2:15:39 PM



#12
1,1-Dichloroethene
Concen: 4.609 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	124.1	186.1
98	64.9	50.2	75.2





#13

Acrolein

Concen: 31.239 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 3386

Ion Ratio Lower Upper

56 100

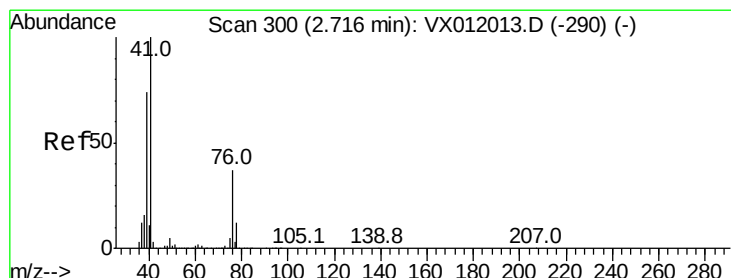
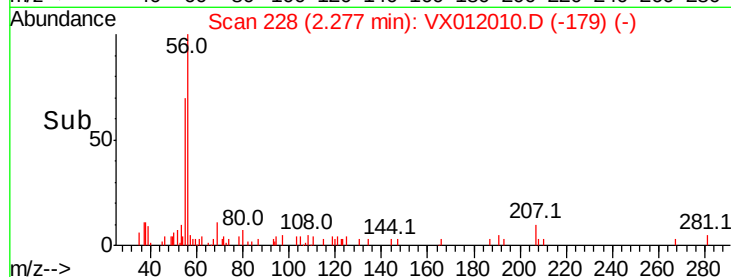
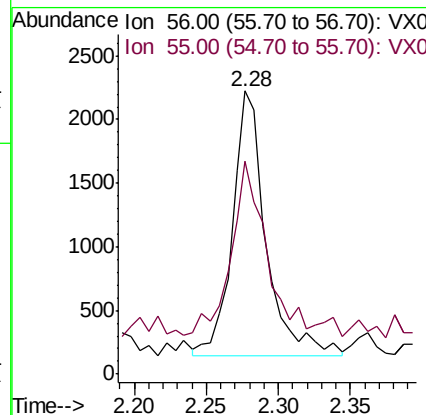
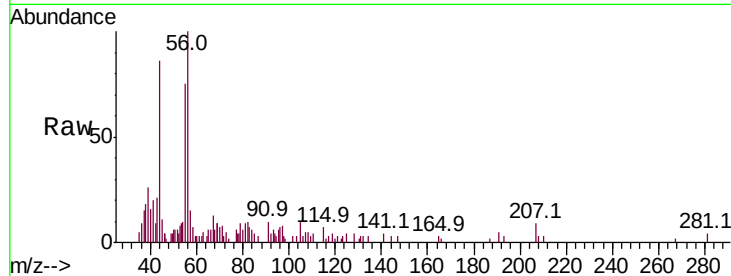
55 80.1 59.2 88.8

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sam

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#14

Allyl chloride

Concen: 4.960 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

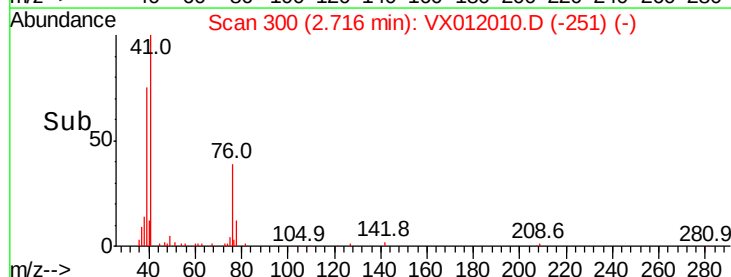
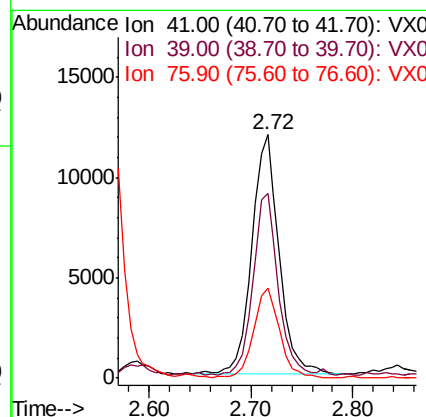
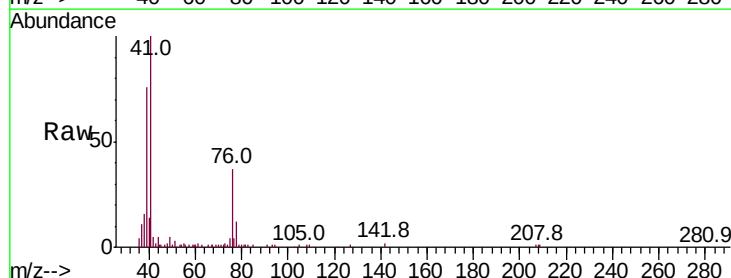
Tgt Ion: 41 Resp: 22160

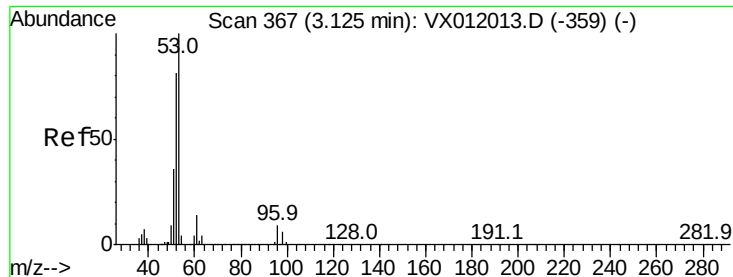
Ion Ratio Lower Upper

41 100

39 70.6 57.9 86.9

76 36.2 28.5 42.7





#15

Acrylonitrile

Concen: 23.660 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

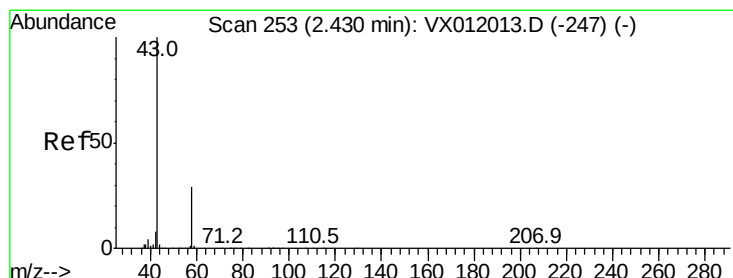
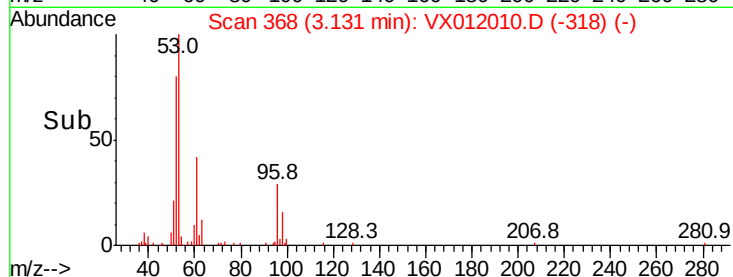
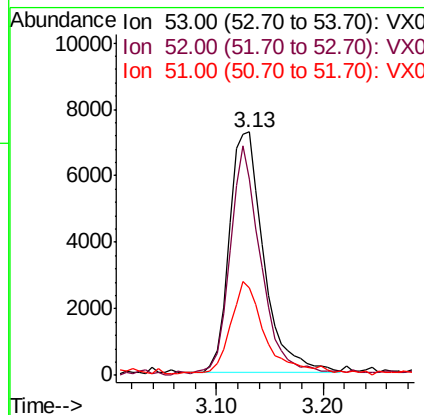
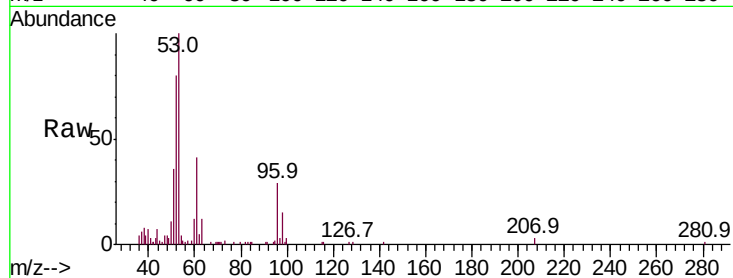
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	16512
Ion	Ratio	Lower	Upper
53	100		
52	86.5	65.6	98.4
51	36.4	29.8	44.6

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#16

Acetone

Concen: 28.994 ug/l

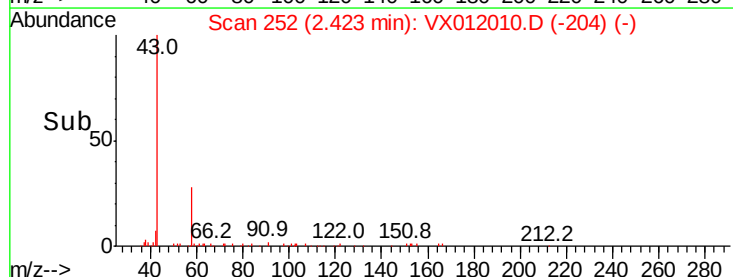
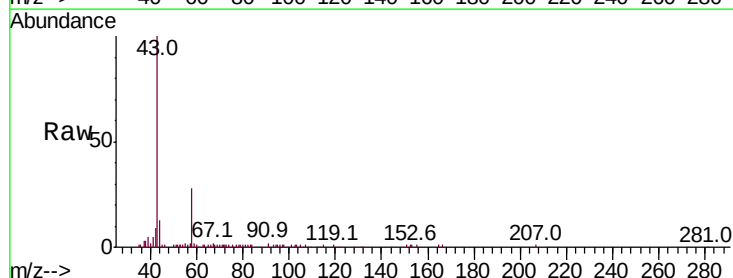
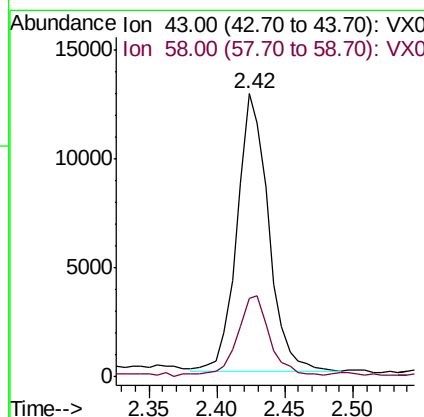
RT: 2.42 min Scan# 252

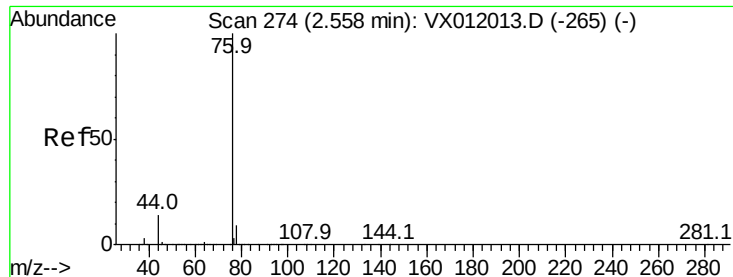
Delta R.T. -0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion:	43	Resp:	20393
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.8	34.2





#17

Carbon Disulfide

Concen: 4.575 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tot Ion: 76 Resp: 33642

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

Instrument :

MSVOA_X

ClientSampleId :

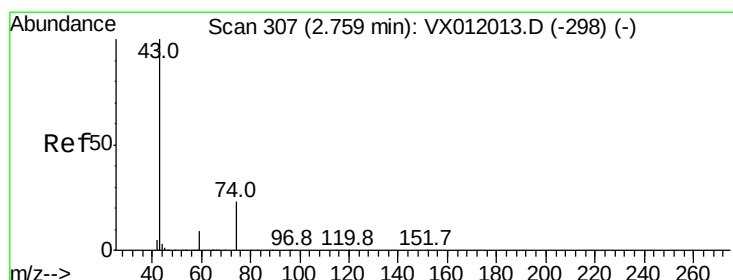
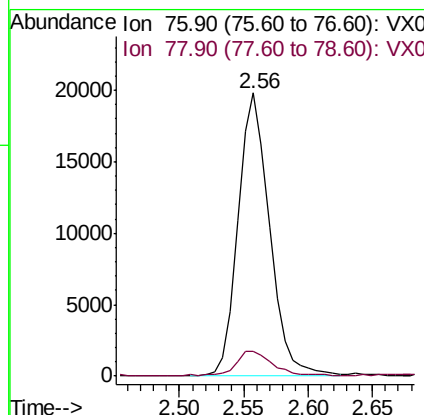
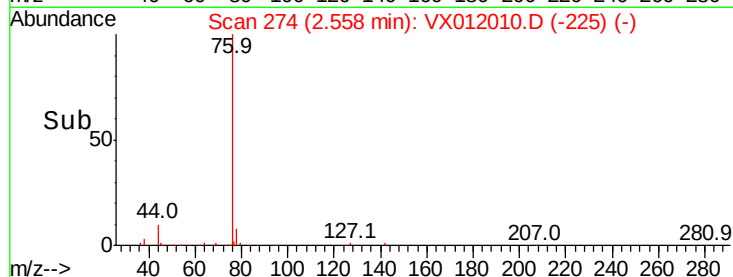
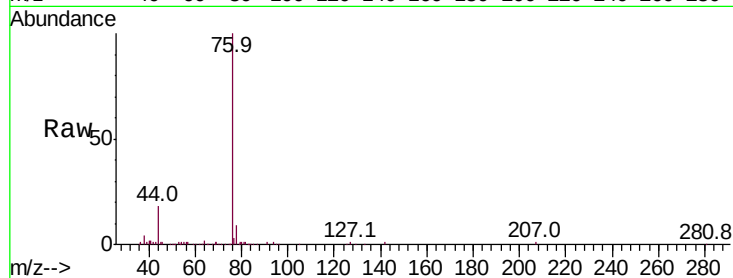
VSTDIC005

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#18

Methyl Acetate

Concen: 5.724 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012010.D

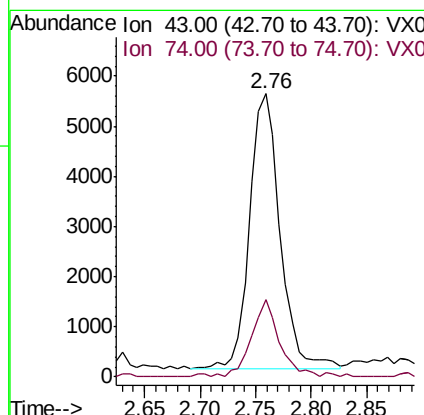
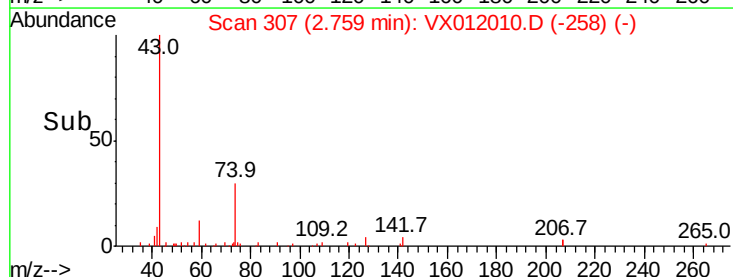
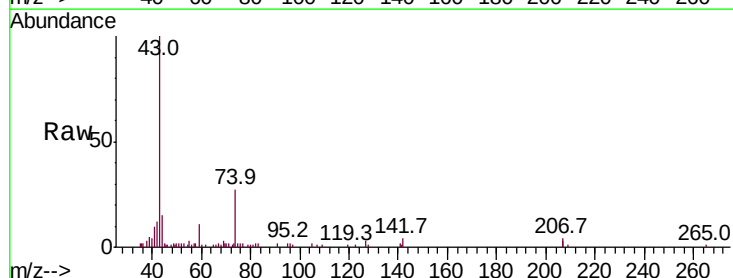
Acq: 02 Sep 2019 12:00

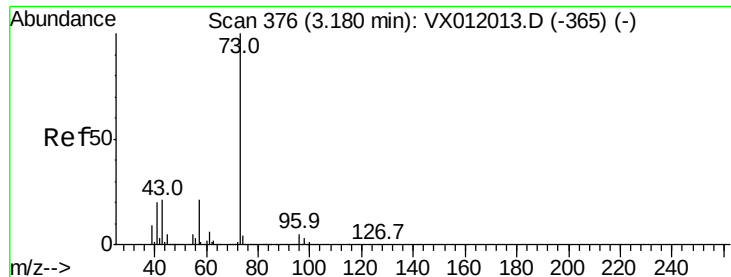
Tgt Ion: 43 Resp: 10432

Ion Ratio Lower Upper

43 100

74 25.8 19.5 29.3





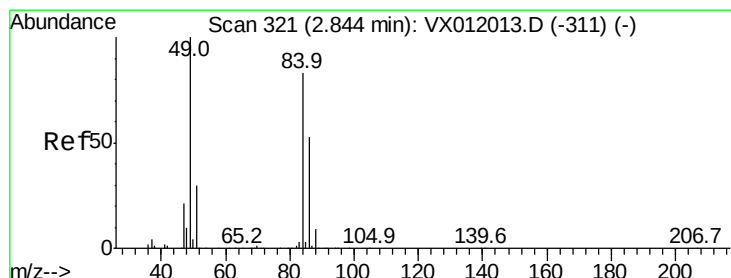
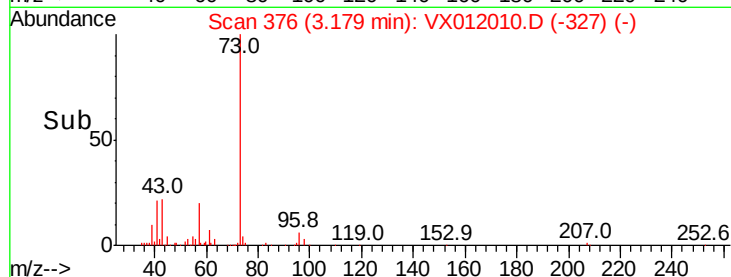
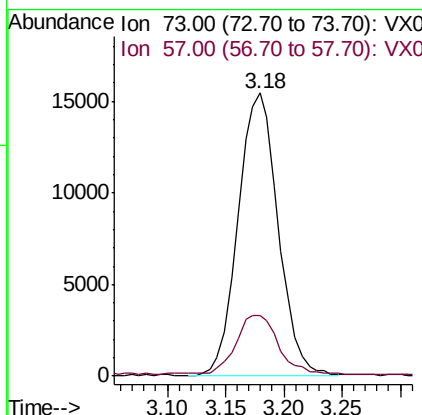
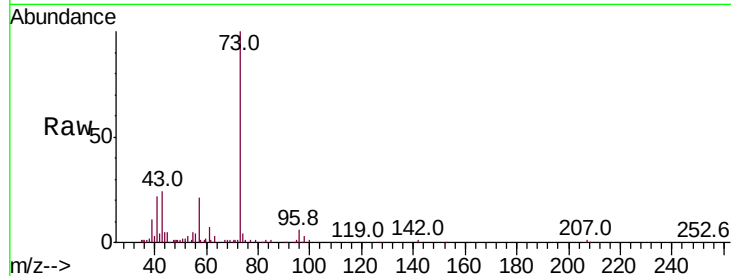
#19
Methyl tert-butyl Ether
Concen: 4.782 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 37162
Ion Ratio Lower Upper
73 100
57 20.6 16.6 25.0

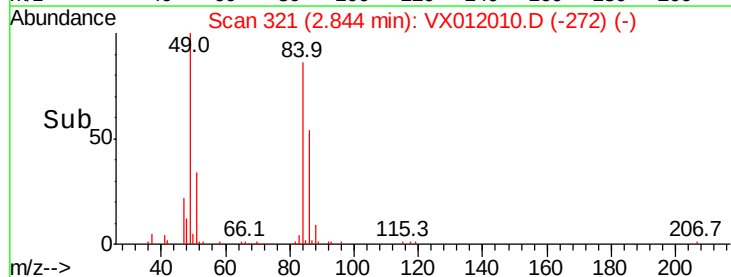
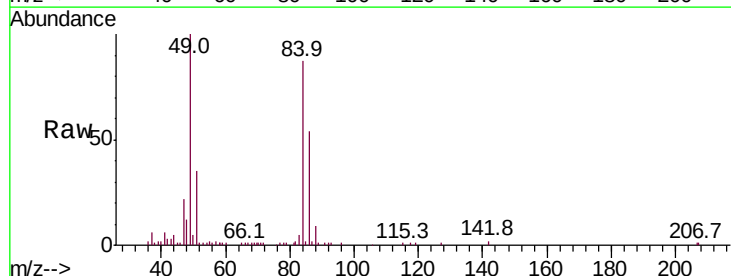
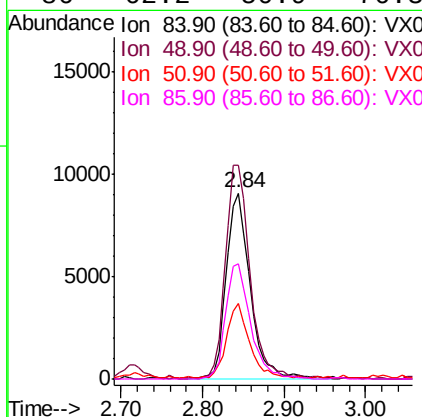
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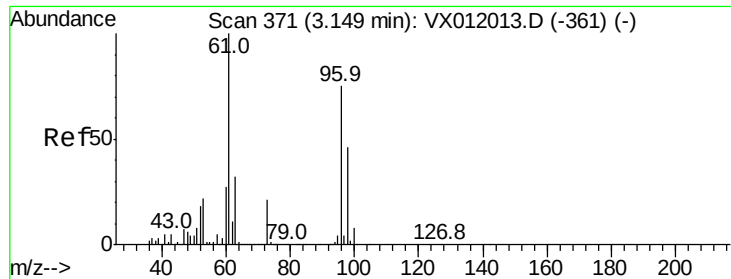
sam
9/3/2019 2:15:39 PM



#20
Methylene Chloride
Concen: 5.813 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion: 84 Resp: 18466
Ion Ratio Lower Upper
84 100
49 115.0 95.8 143.8
51 38.7 28.6 43.0
86 62.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 5.064 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 15691

Ion Ratio Lower Upper

96 100

61 134.4 107.0 160.6

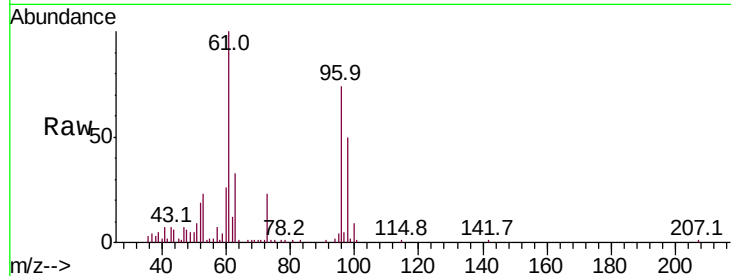
98 67.6 49.8 74.6

Manual Integrations

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sam

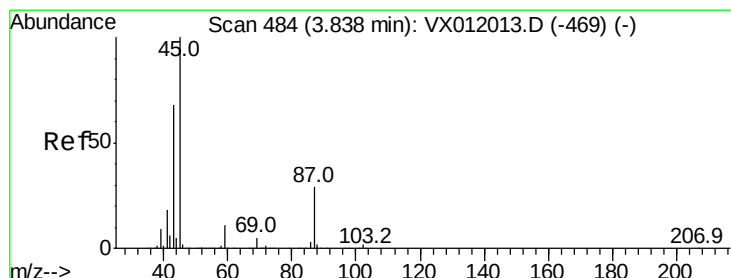
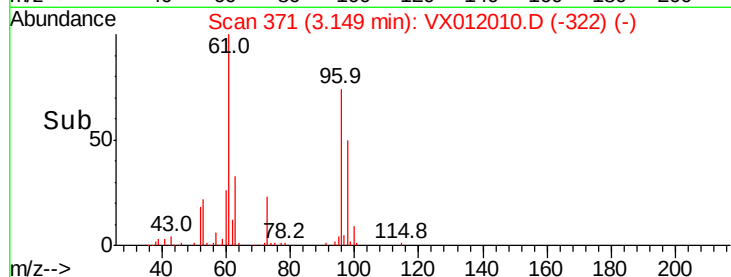
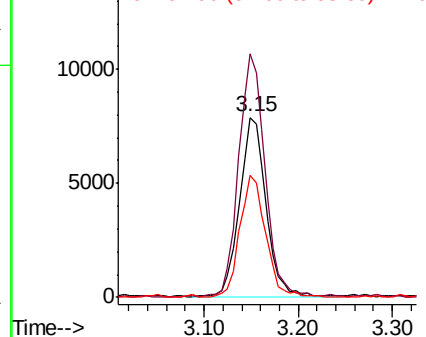
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 4.982 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion: 45 Resp: 44758

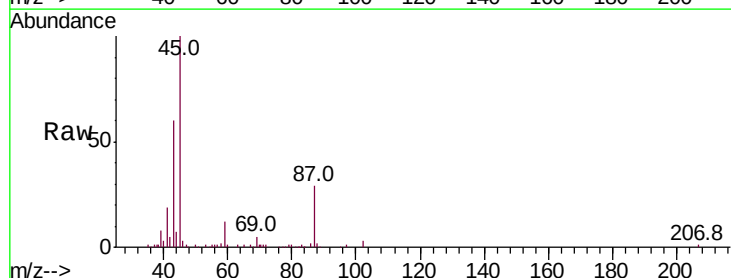
Ion Ratio Lower Upper

45 100

43 59.6 54.2 81.4

87 29.0 23.4 35.0

59 12.0 9.0 13.6

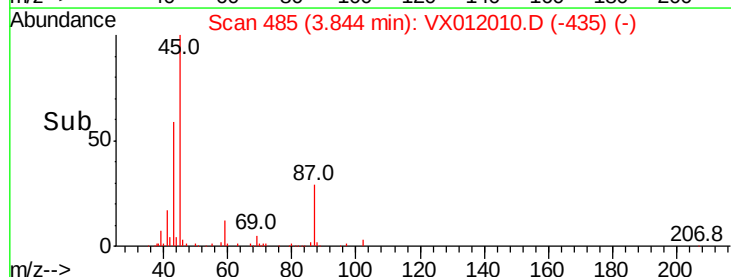
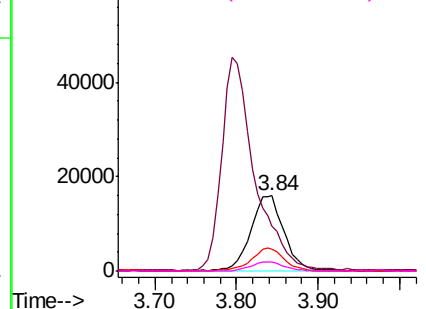


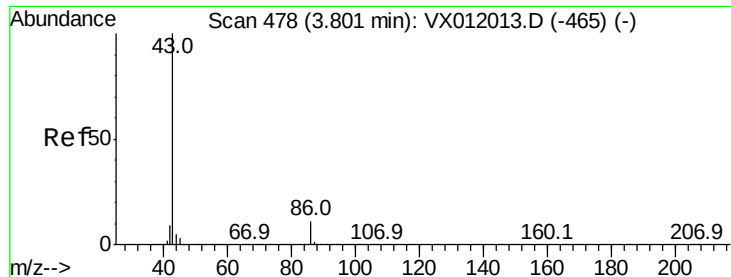
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 22.502 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 127111

Ion Ratio Lower Upper

43 100

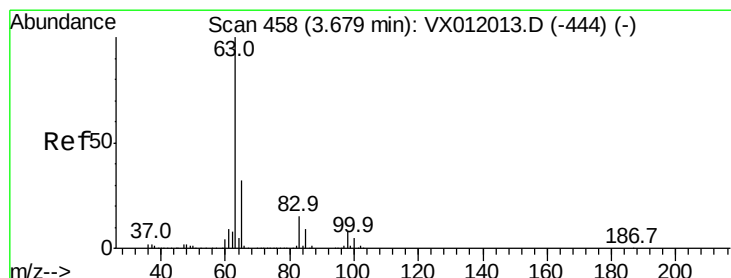
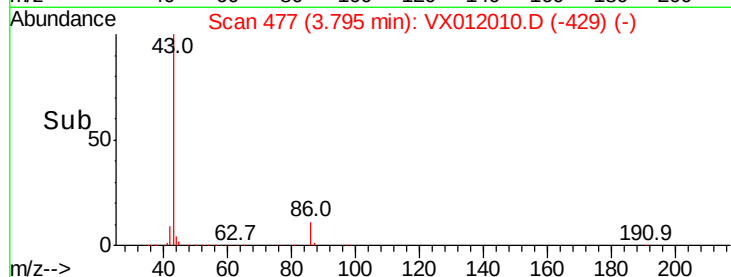
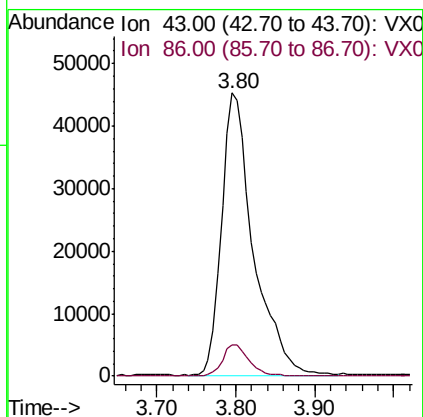
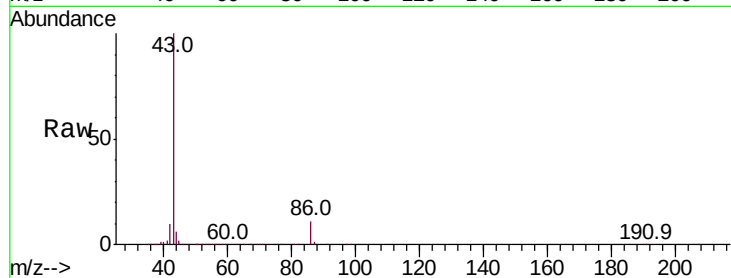
86 11.0 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 4.997 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

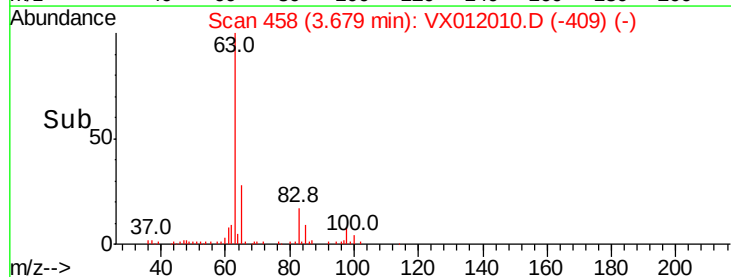
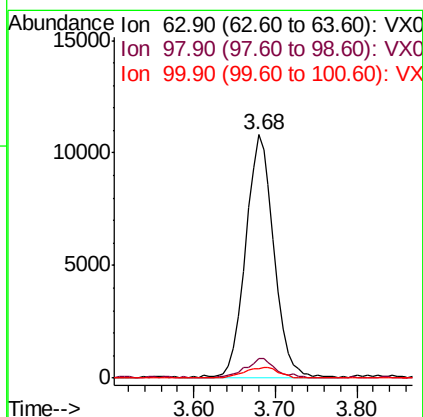
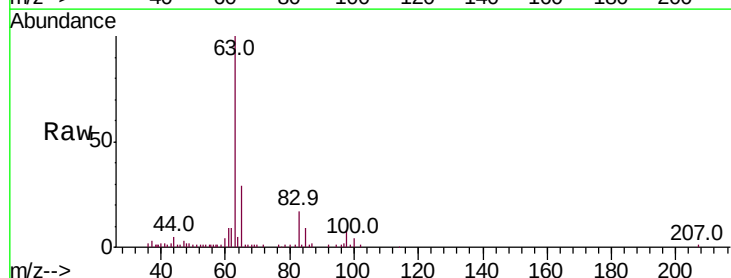
Tgt Ion: 63 Resp: 26183

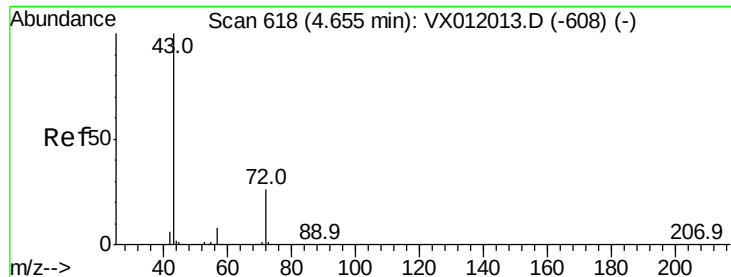
Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.7

100 3.9 2.5 7.4





#25

2-Butanone

Concen: 23.310 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 22336

Ion Ratio Lower Upper

43 100

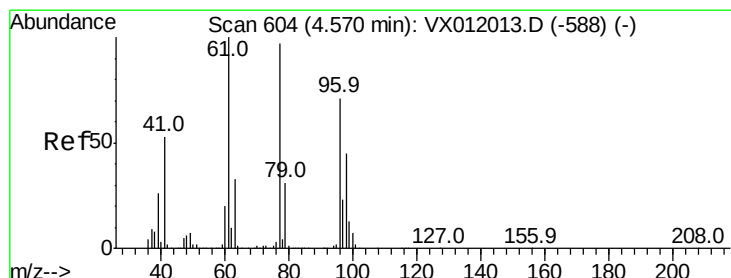
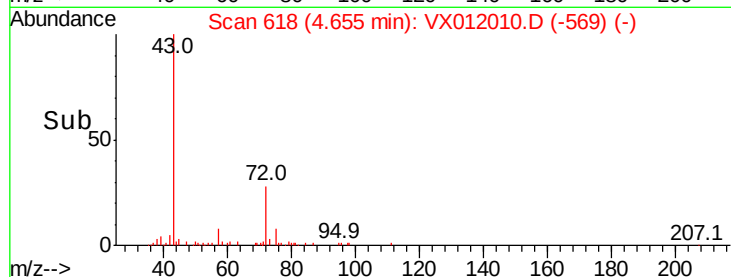
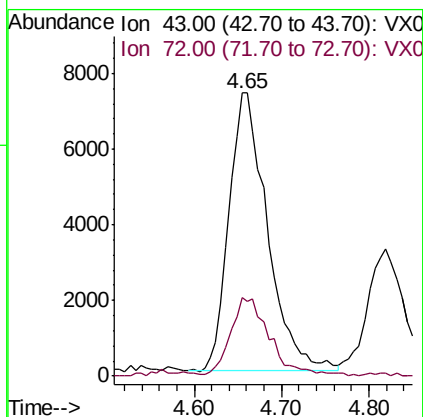
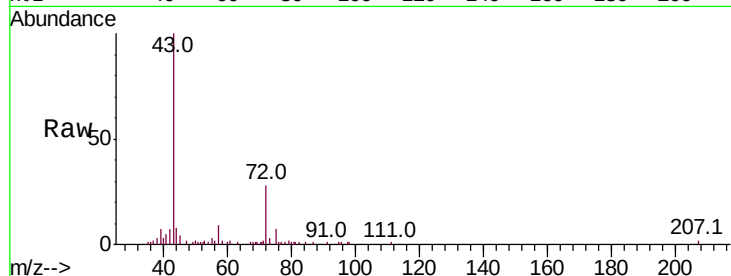
72 27.3 21.3 31.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.221 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012010.D

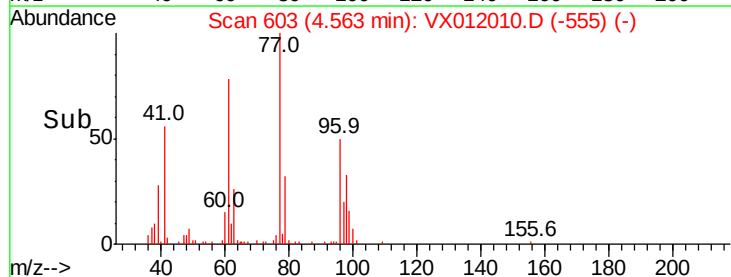
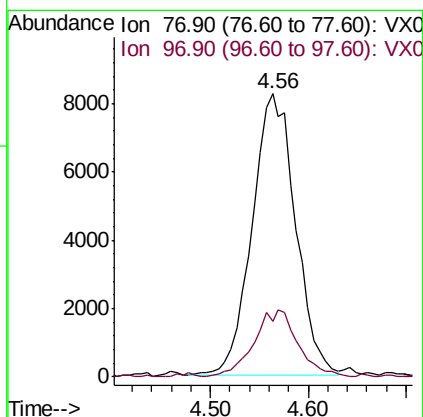
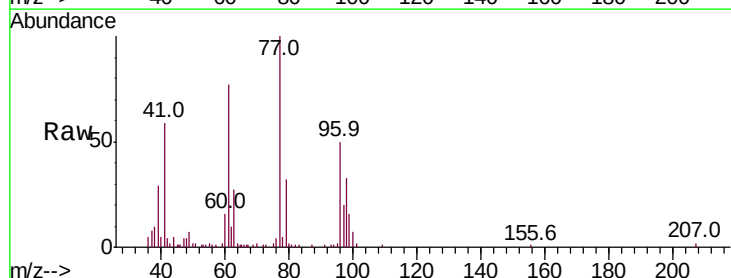
Acq: 02 Sep 2019 12:00

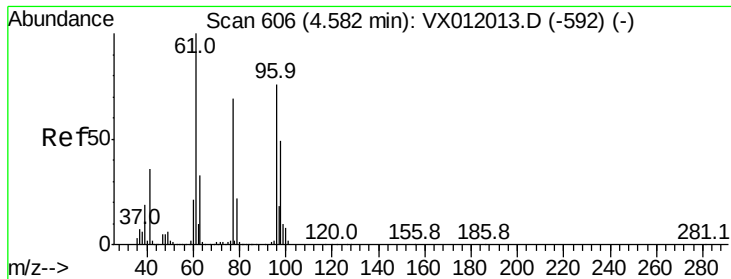
Tgt Ion: 77 Resp: 25373

Ion Ratio Lower Upper

77 100

97 24.1 11.5 34.5





#27

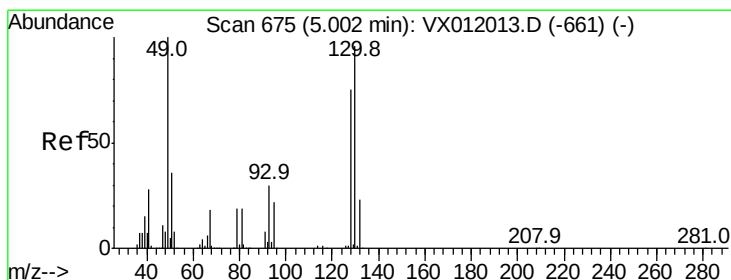
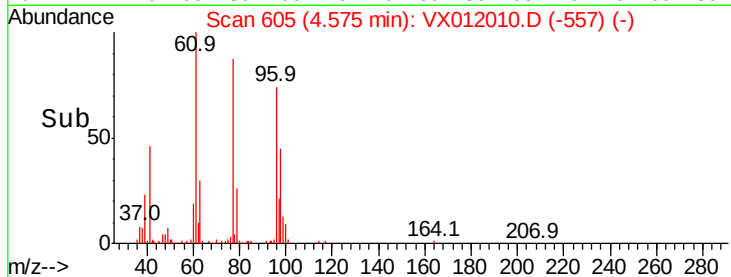
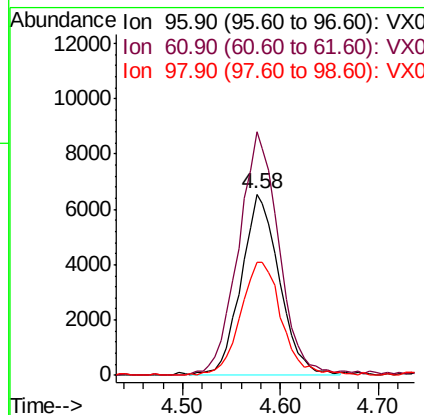
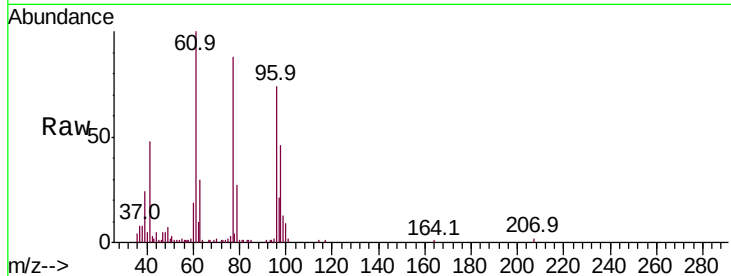
cis-1,2-Dichloroethene
Concen: 4.998 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	96	Resp	17793
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	277.0
98	67.2	0.0	128.4

Manual Integrations
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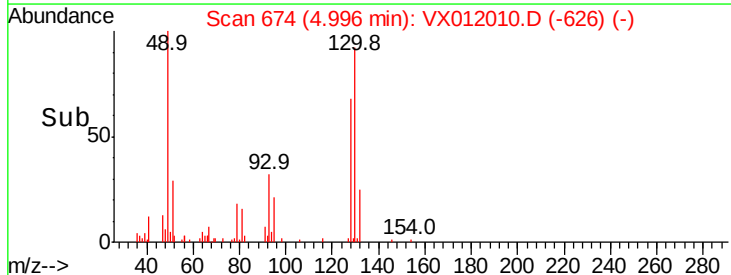
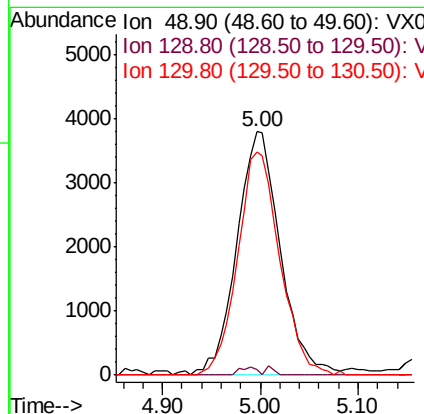
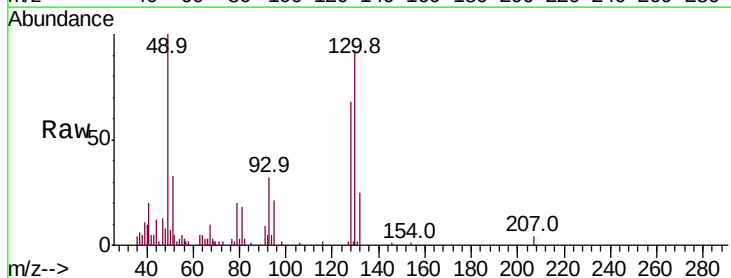
sam
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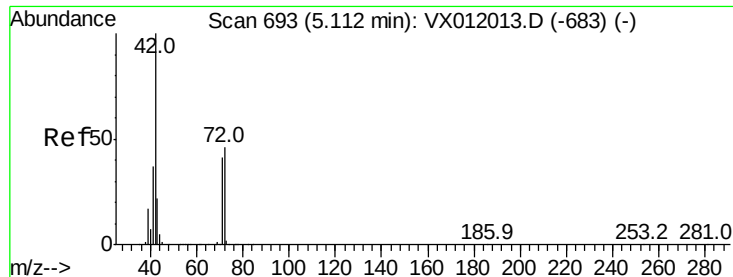


#28

Bromochloromethane
Concen: 5.438 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	49	Resp	11710
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.6
130	89.0	76.7	115.1





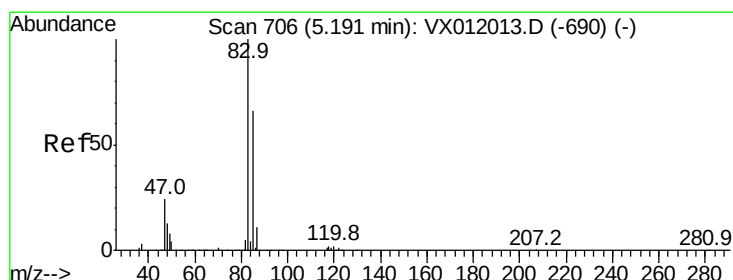
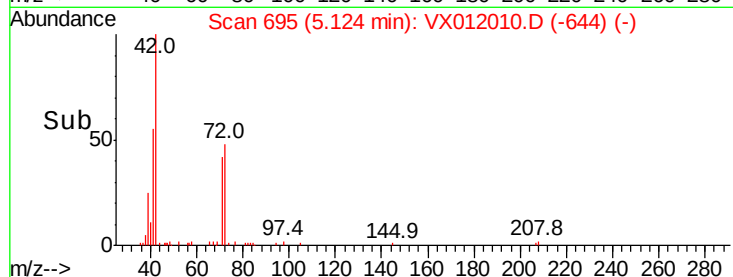
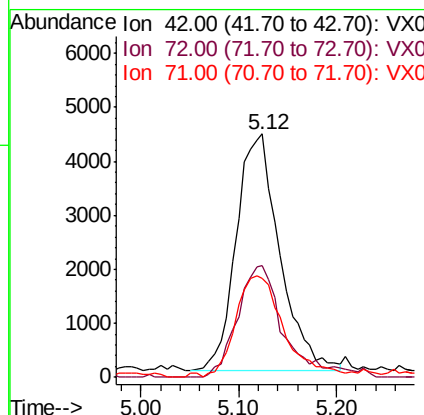
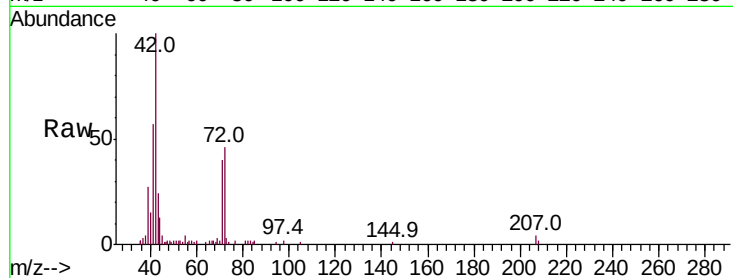
#29
Tetrahydrofuran
Concen: 22.888 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	13488
Ion Ratio	Lower	Upper	
42	100		
72	48.3	37.0	55.4
71	47.6	33.8	50.8

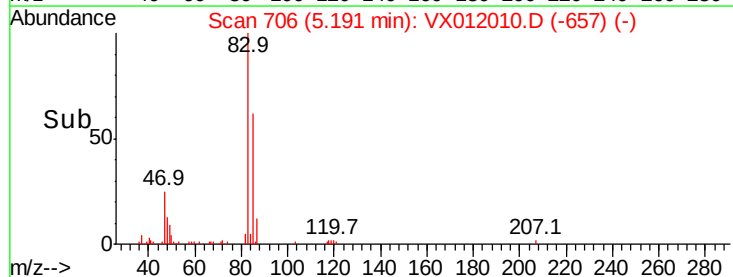
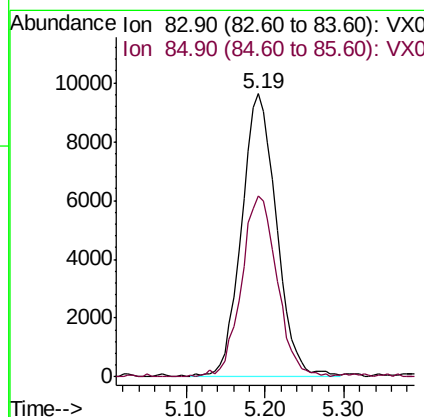
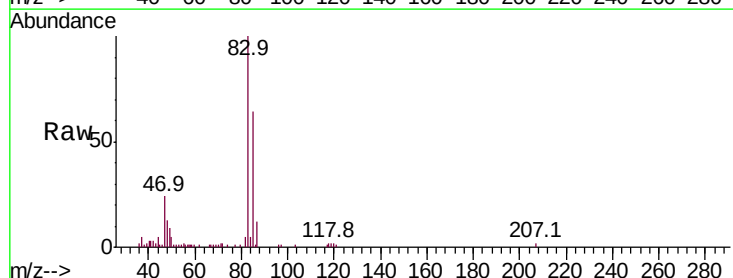
Manual Integrations
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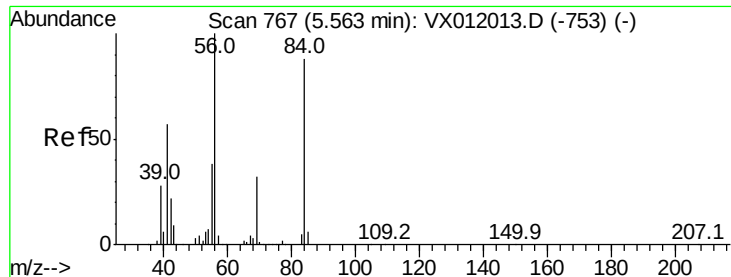
sam
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#30
Chloroform
Concen: 5.162 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion:	83	Resp:	29686
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.6	78.8





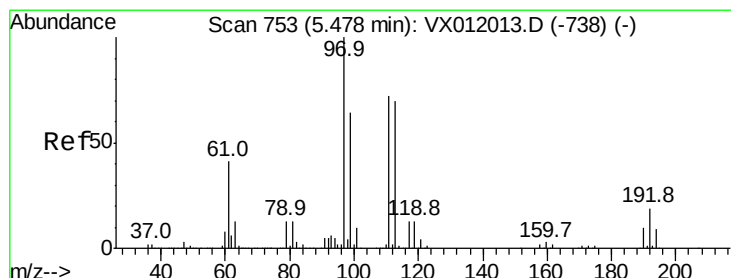
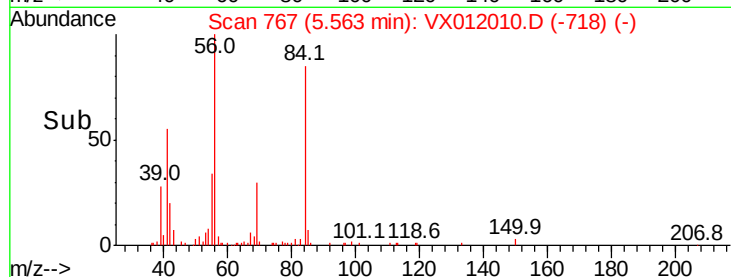
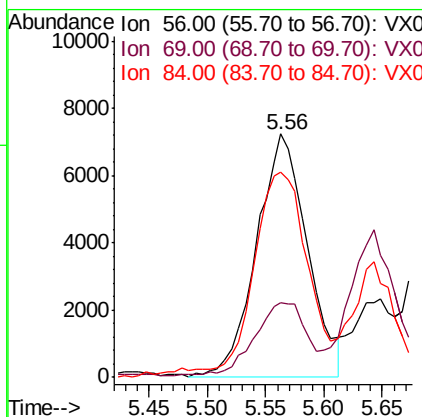
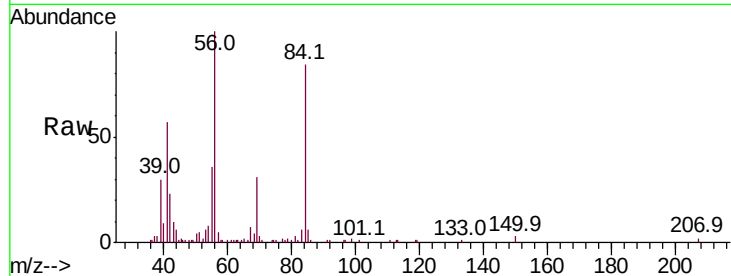
#31
Cyclohexane
Concen: 5.026 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	25.7	38.5
84	81.4	70.3	105.5

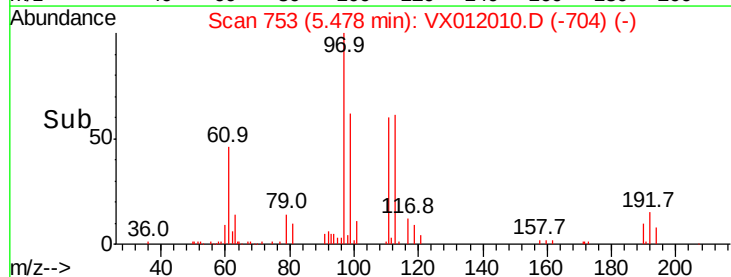
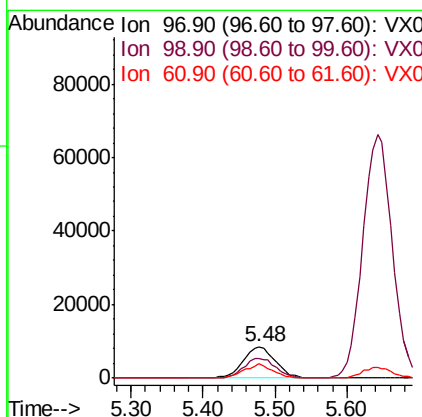
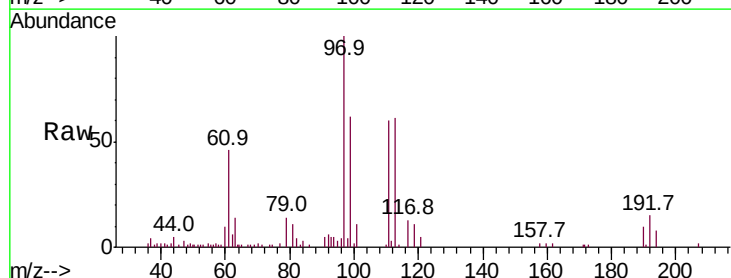
Manual Integrations
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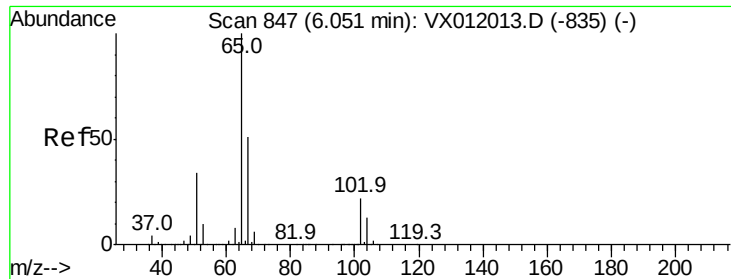
sam
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#32
1,1,1-Trichloroethane
Concen: 4.916 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.1	78.1
61	41.6	32.8	49.2





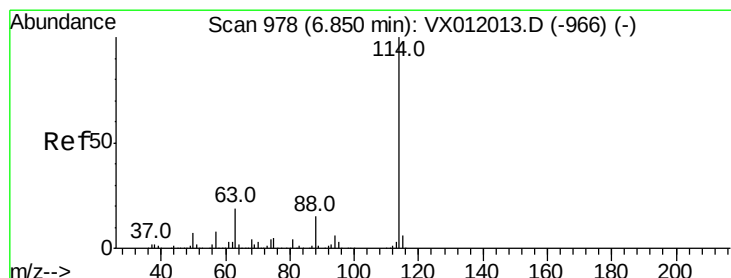
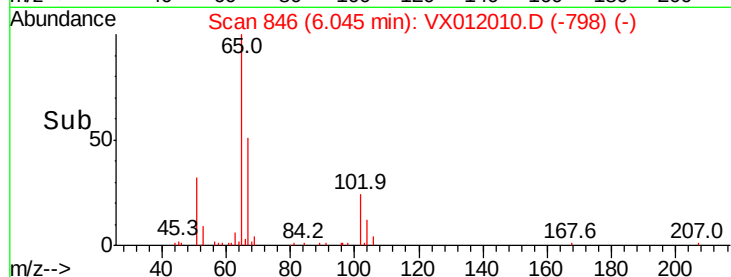
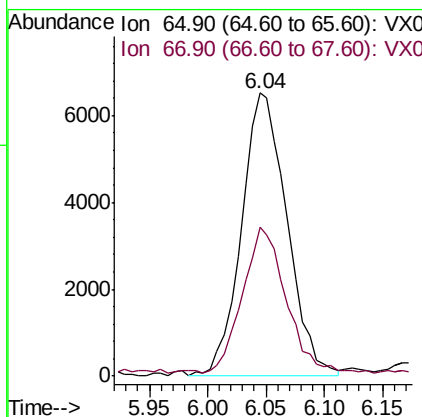
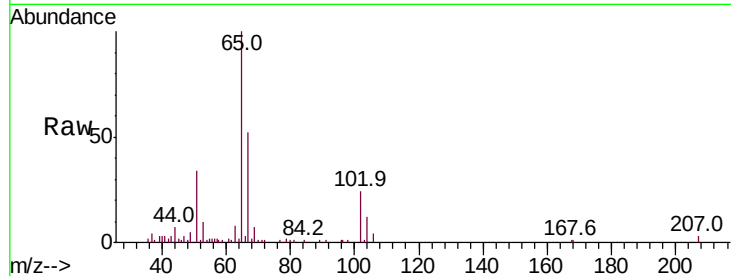
#33
 1,2-Dichloroethane-d4
 Concen: 4.936 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	102.0

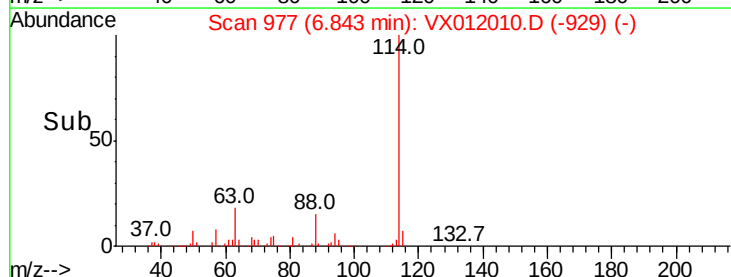
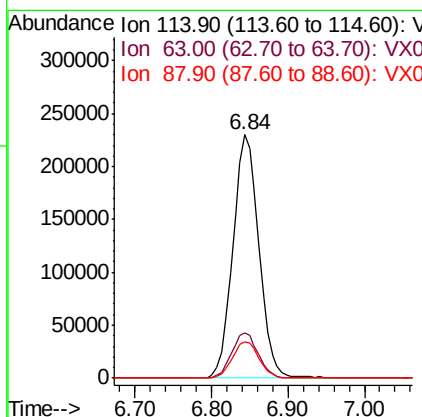
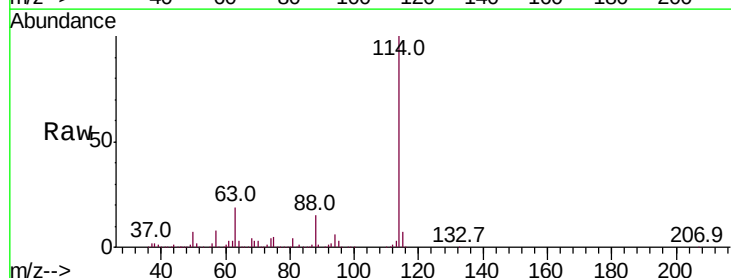
Manual Integrations
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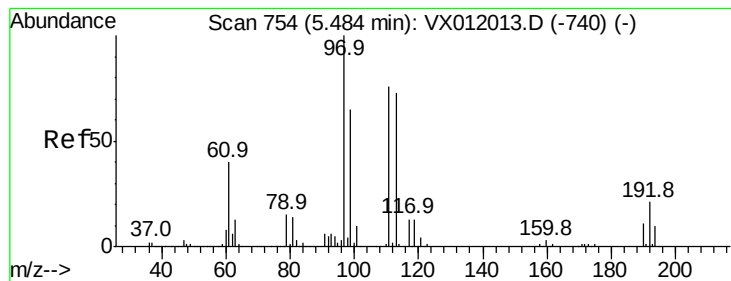
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	37.4
88	15.1	0.0	29.6





#35

Dibromofluoromethane

Concen: 4.460 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

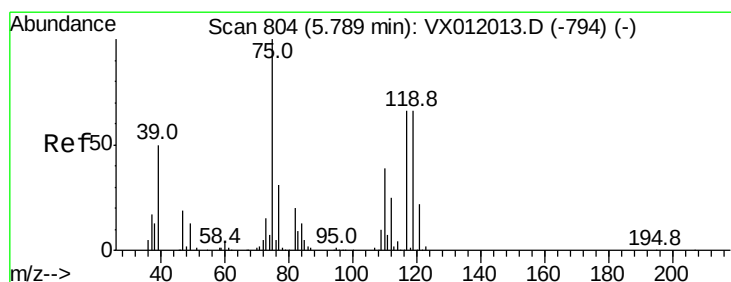
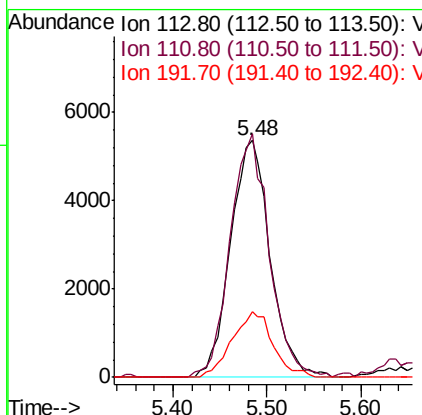
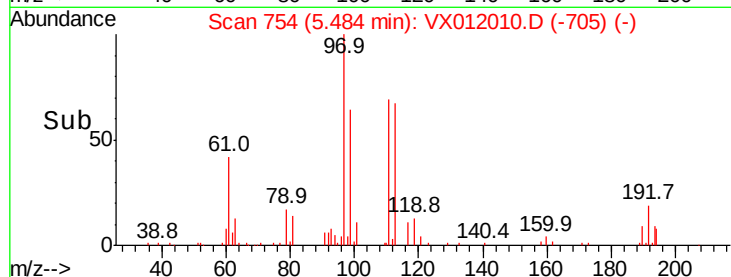
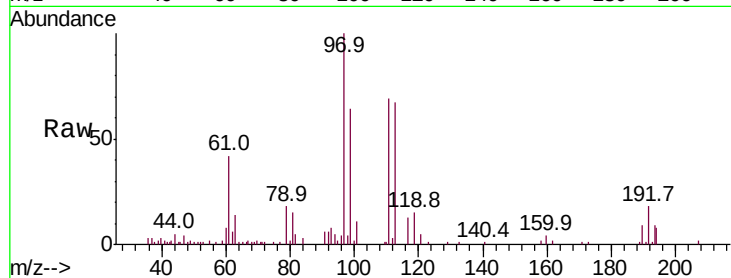
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	15790
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.7	122.5
192	28.2	22.5	33.7

Manual Integrations
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sam
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#36

1,1-Dichloropropene

Concen: 4.790 ug/l

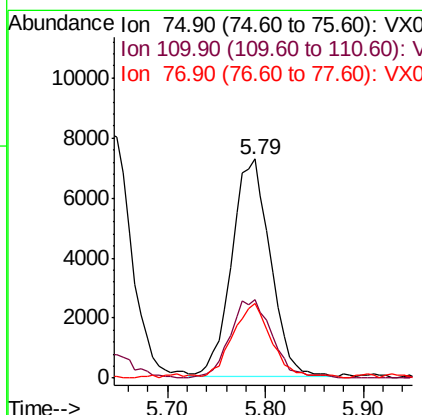
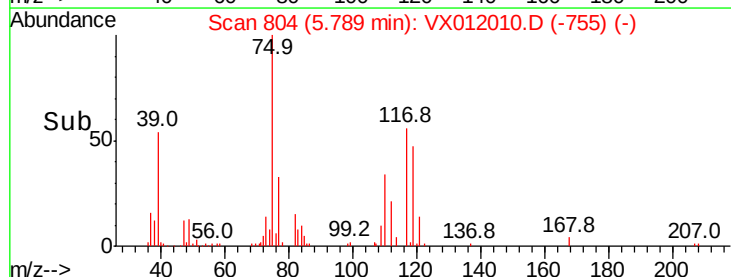
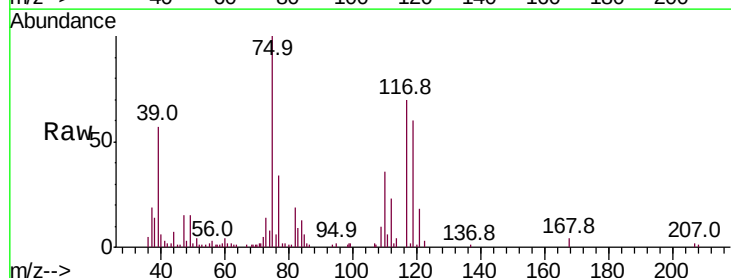
RT: 5.79 min Scan# 804

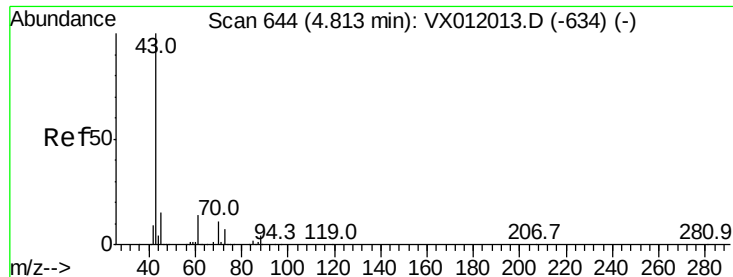
Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion:	75	Resp:	19788
Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.5	58.5
77	35.3	24.6	37.0





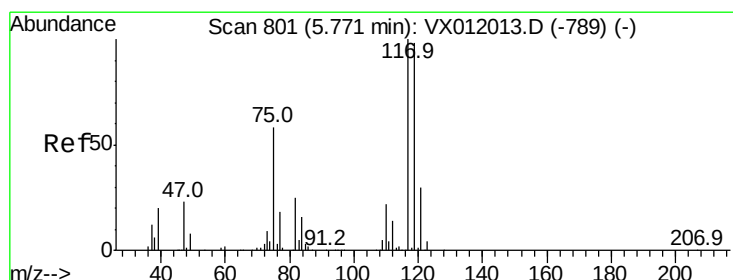
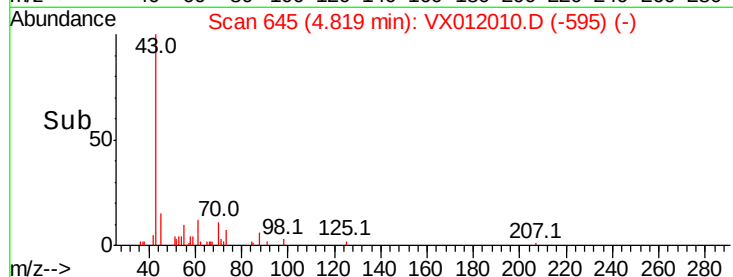
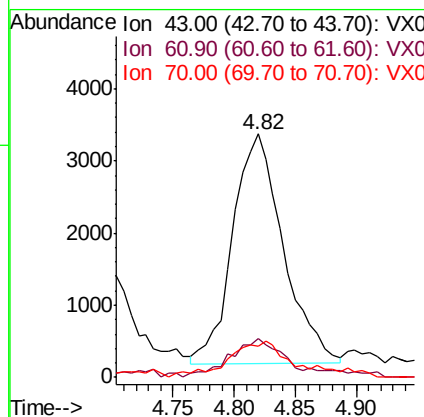
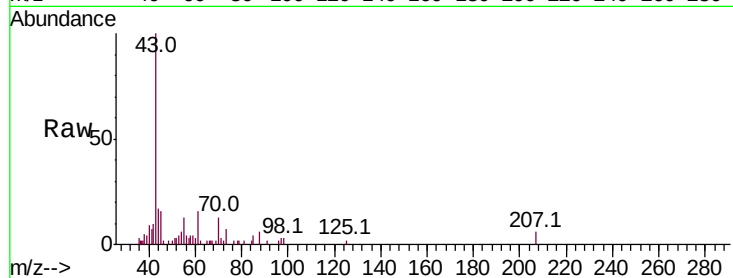
#37
Ethyl Acetate
Concen: 4.441 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	10.9	16.3#
70	19.5	9.4	14.0#

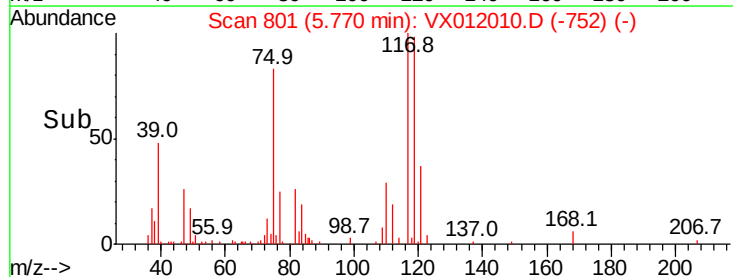
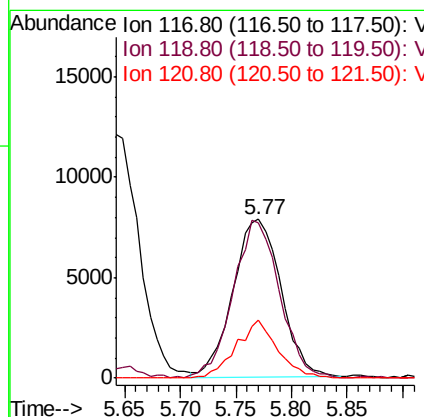
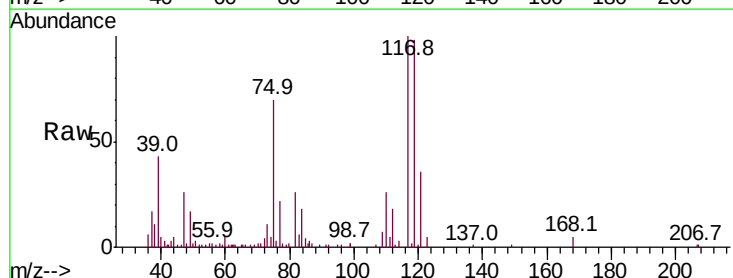
Manual Integrations
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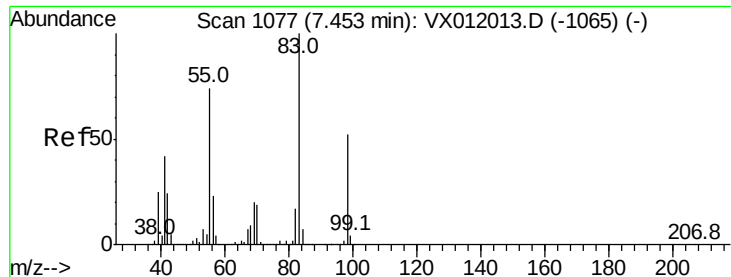
sam
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#38
Carbon Tetrachloride
Concen: 4.694 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	78.3	117.5
121	36.7	24.2	36.2#





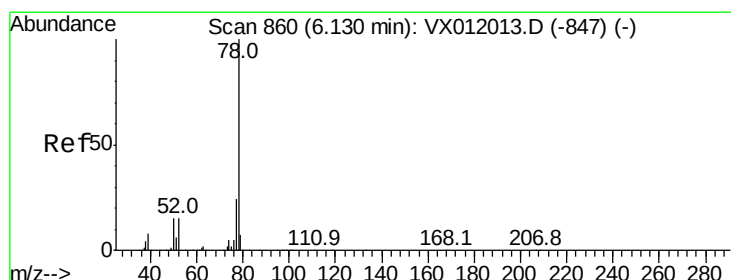
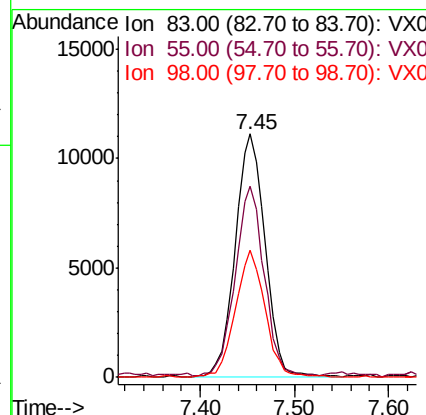
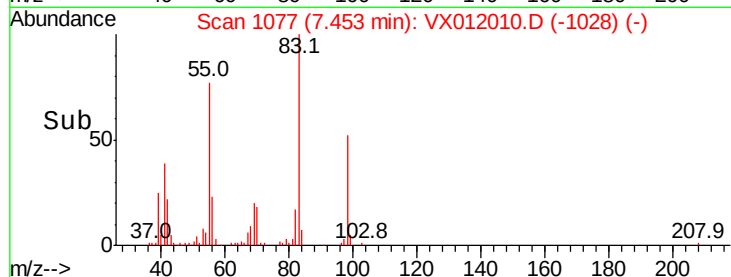
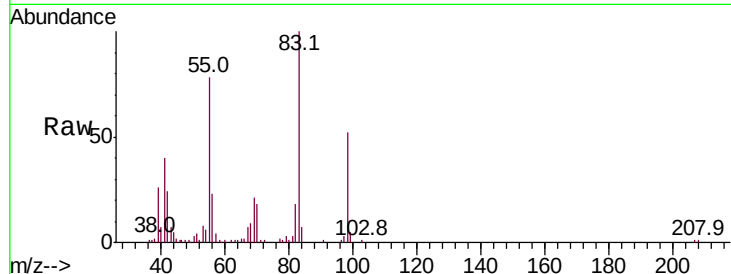
#39
Methylvlcyclohexane
Concen: 4.902 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	24590		
55	77.9		59.6	89.4
98	52.1		41.4	62.0

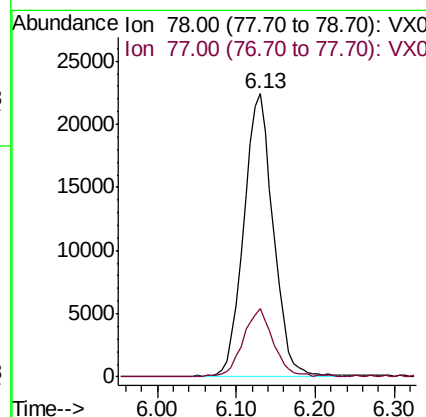
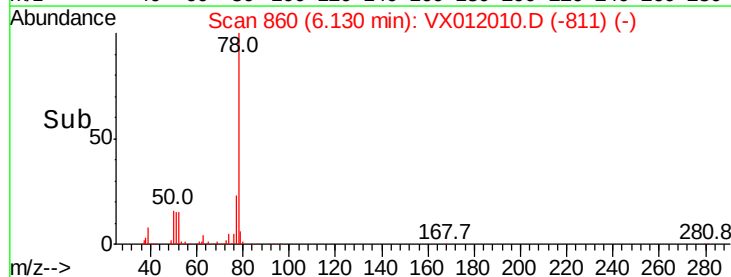
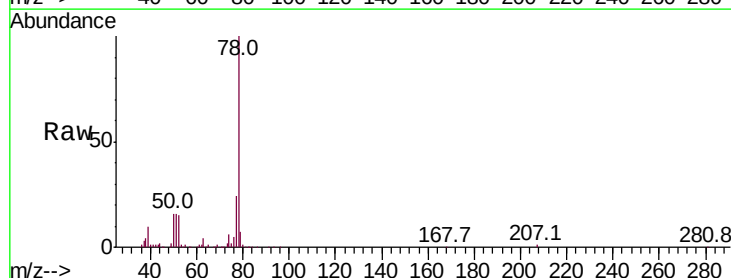
Manual Integrations
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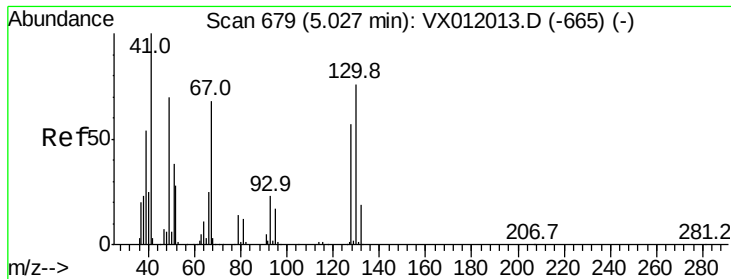
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#40
Benzene
Concen: 4.893 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	58382		
77	23.8		19.3	28.9





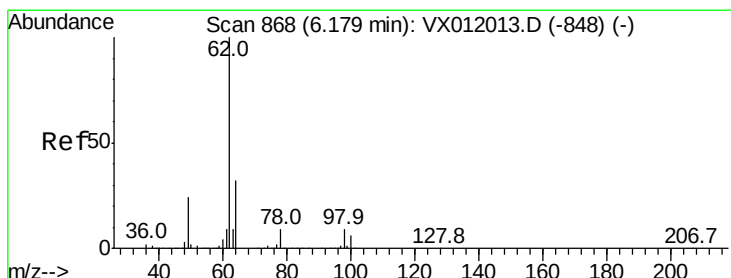
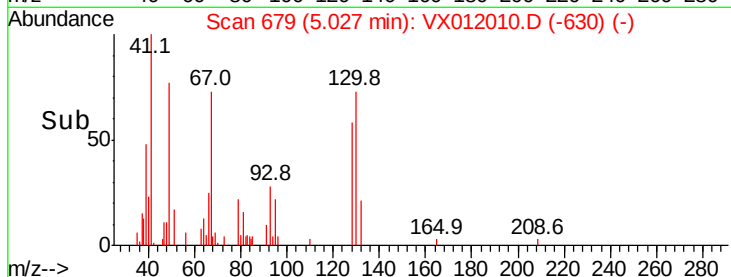
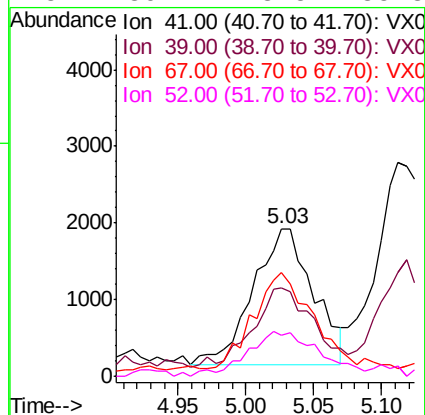
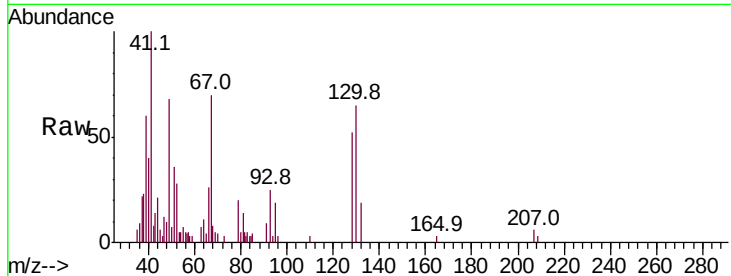
#41
Methacrylonitrile
Concen: 4.453 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.1	46.7	70.1
67	71.3	57.0	85.6
52	39.1	23.5	35.3

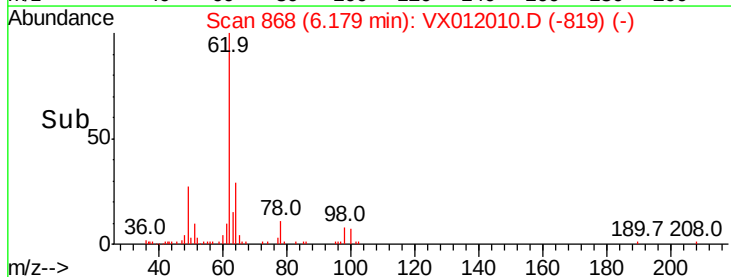
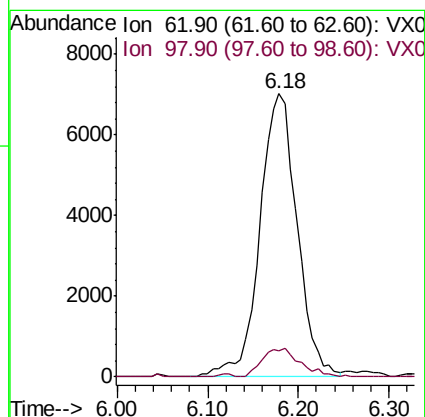
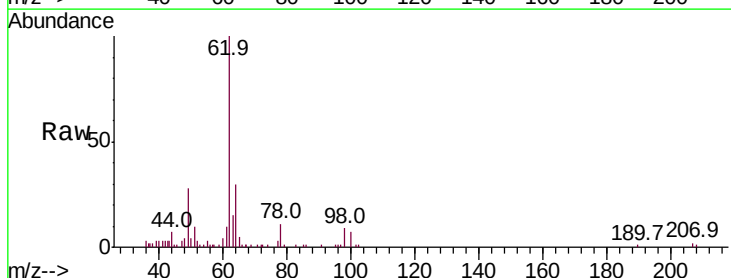
Manual Integrations
APPROVED

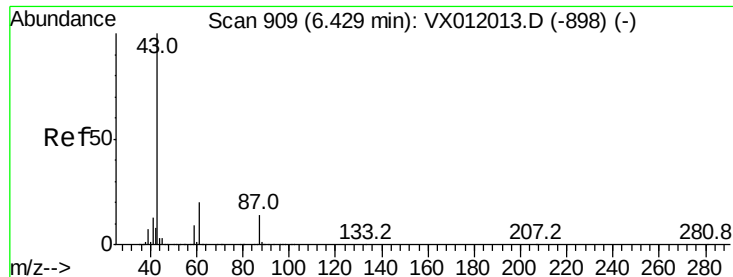
sam
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#42
1,2-Dichloroethane
Concen: 4.931 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.2





#43

Isopropyl Acetate

Concen: 4.430 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

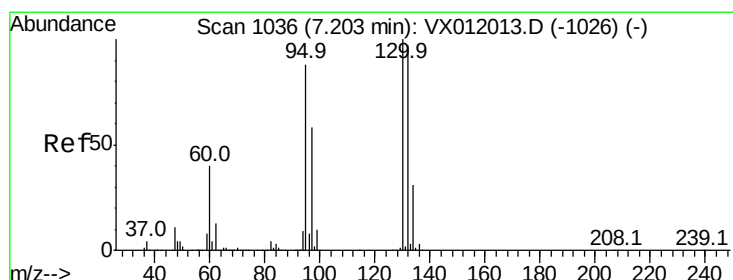
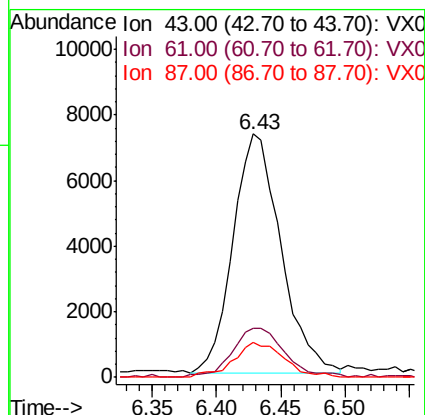
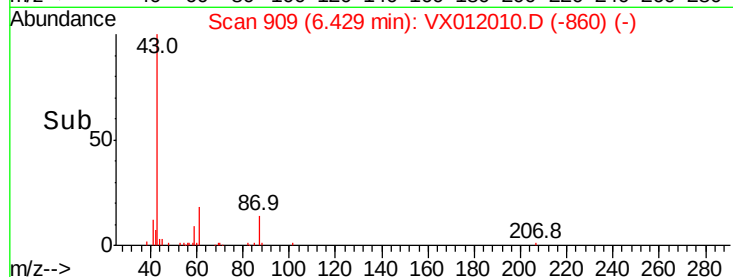
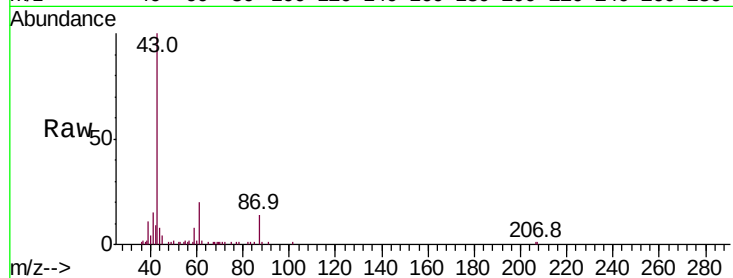
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	18937
Ion	Ratio	Lower	Upper
43	100		
61	22.3	16.1	24.1
87	15.3	11.3	16.9

Manual Integrations
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sam
9/3/2019 2:15:39 PM



#44

Trichloroethene

Concen: 4.981 ug/l

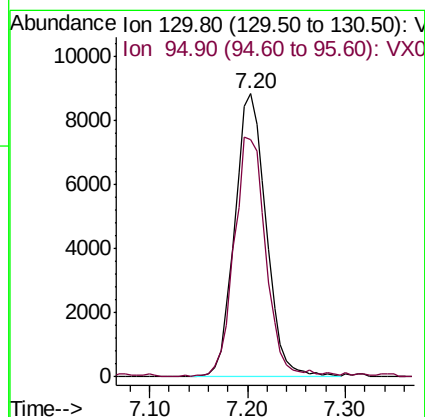
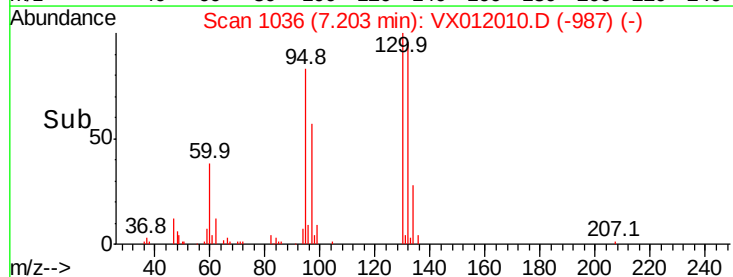
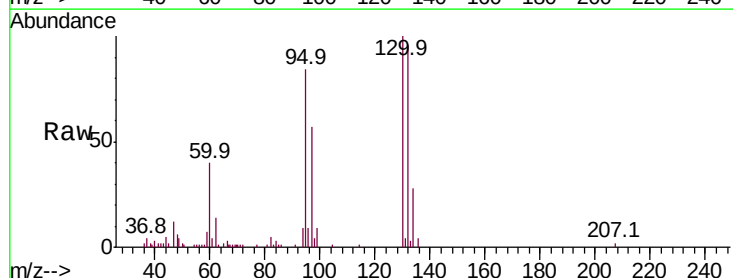
RT: 7.20 min Scan# 1036

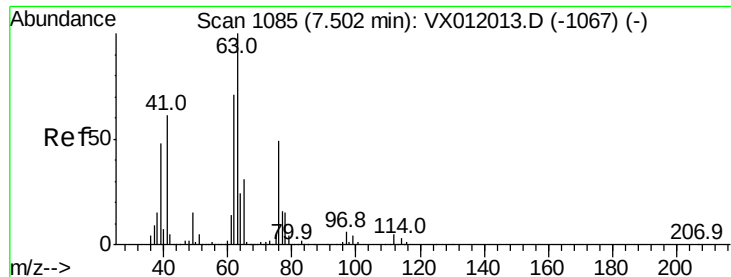
Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion:	130	Resp:	19738
Ion	Ratio	Lower	Upper
130	100		
95	83.9	0.0	176.4





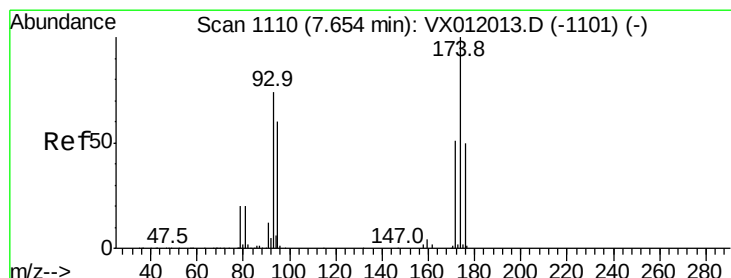
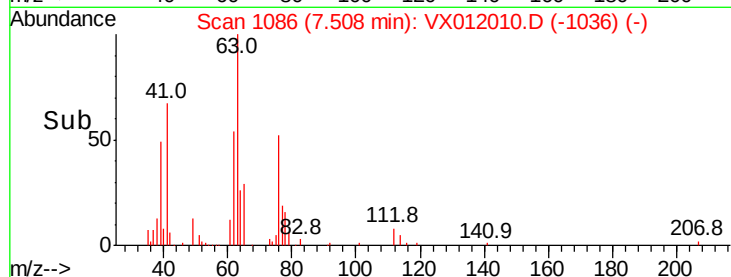
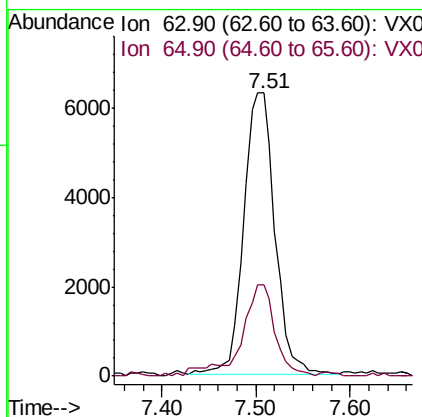
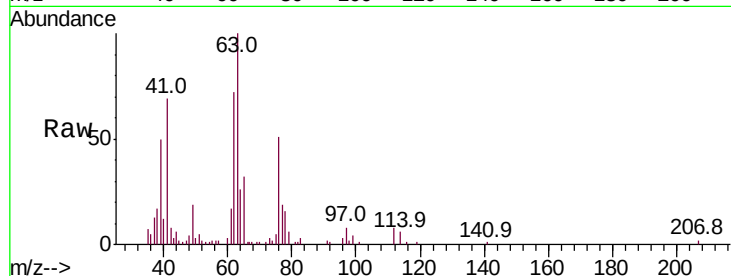
#45
 1,2-Dichloropropane
 Concen: 4.848 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.6

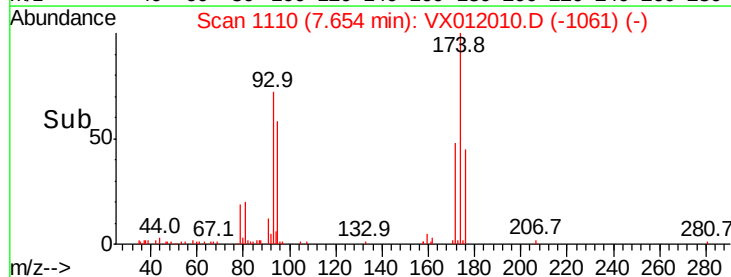
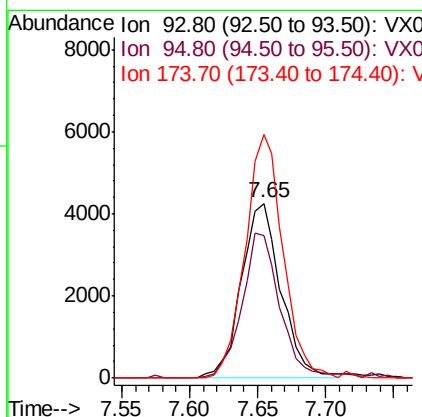
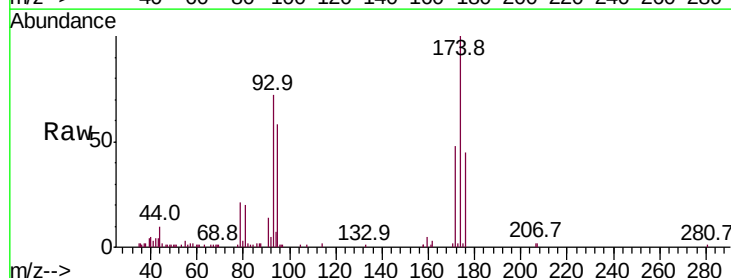
Manual Integrations
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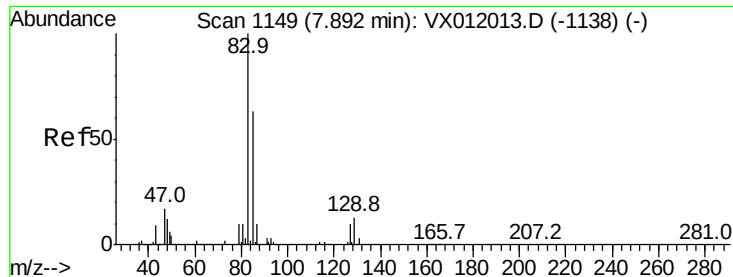
sam
 9/3/2019 2:15:39 PM



#46
 Dibromomethane
 Concen: 4.828 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.0	66.2	99.2
174	132.8	110.2	165.4





#47

Bromodichloromethane

Concen: 4.820 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

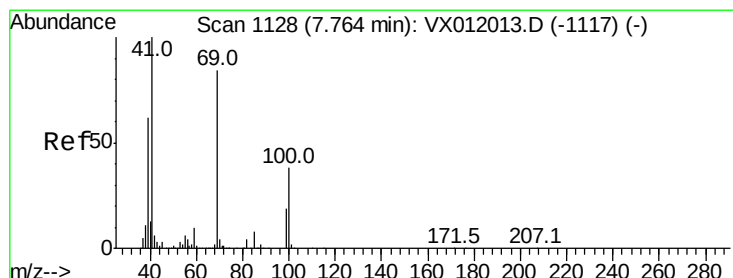
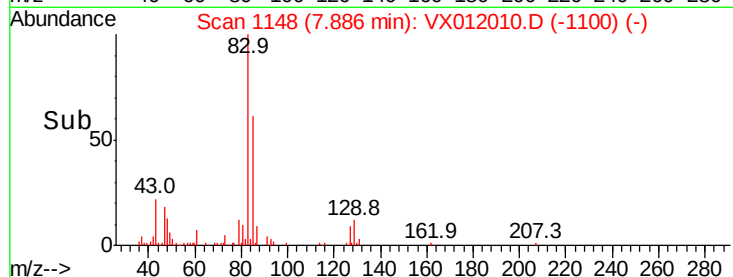
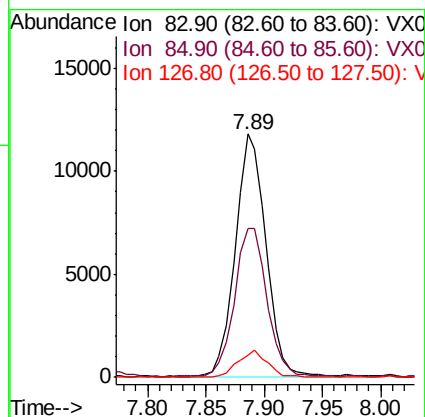
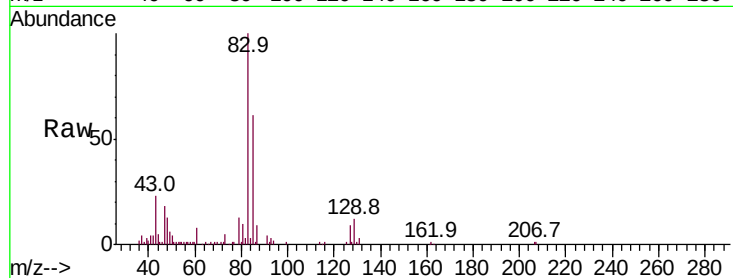
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21899
Ion	Ratio	Lower	Upper
83	100		
85	61.1	50.3	75.5
127	9.2	8.1	12.1

Manual Integrations
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sam
9/3/2019 2:15:39 PM



#48

Methyl methacrylate

Concen: 4.478 ug/l

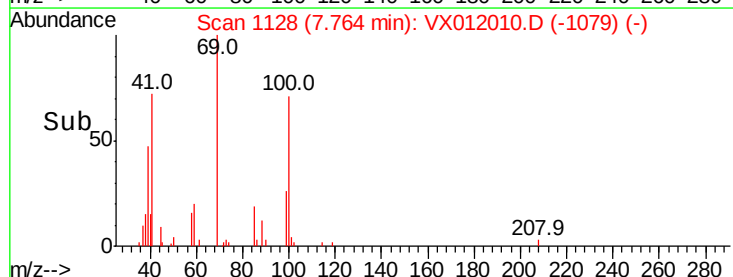
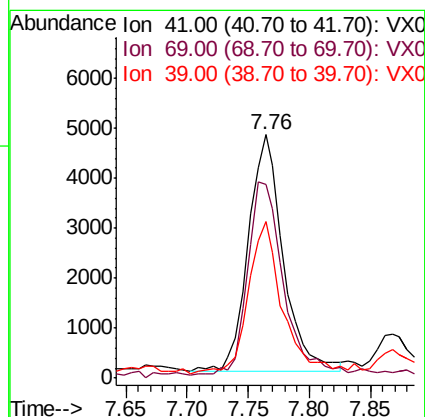
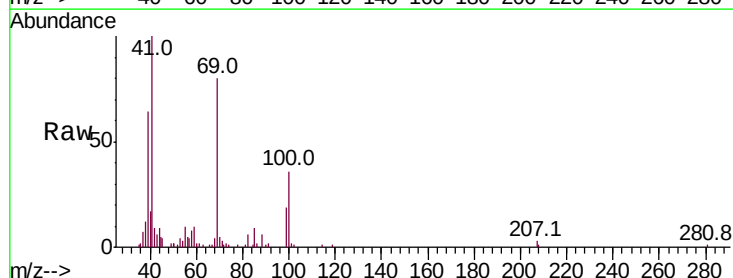
RT: 7.76 min Scan# 1128

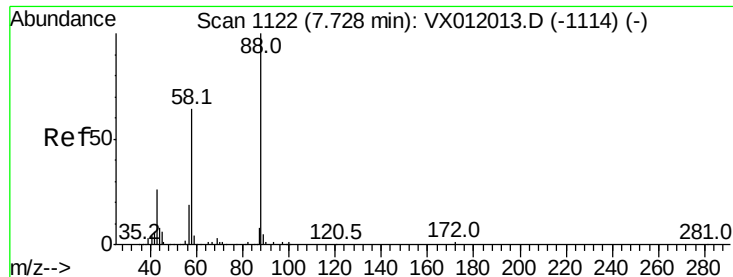
Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion:	41	Resp:	9440
Ion	Ratio	Lower	Upper
41	100		
69	85.3	66.3	99.5
39	63.7	48.1	72.1





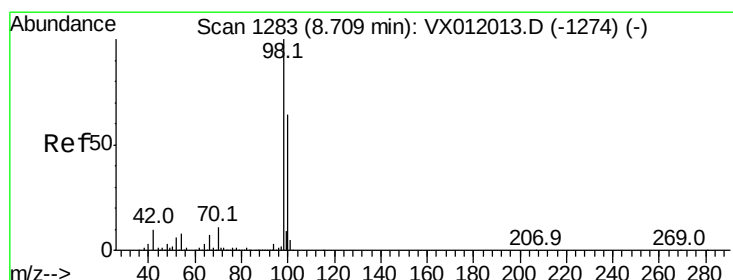
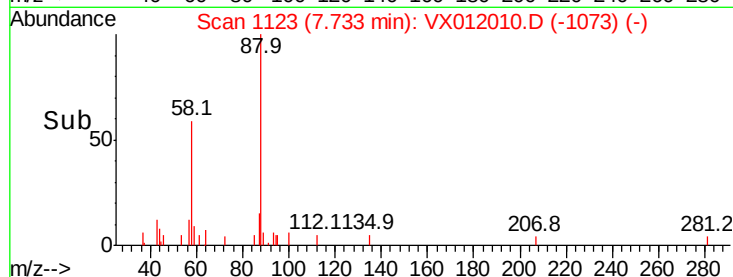
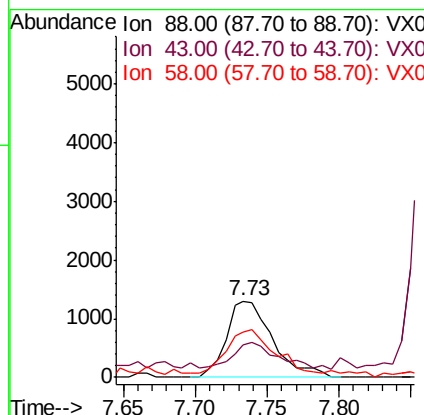
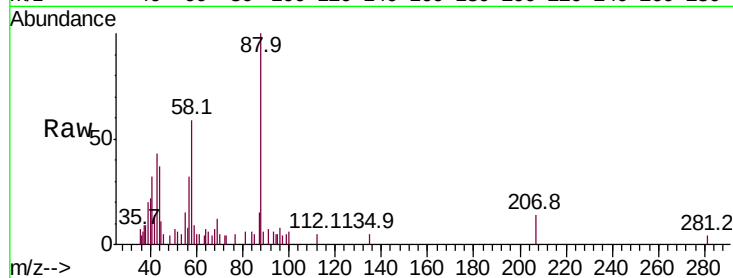
#49
1,4-Dioxane
Concen: 98.197 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
88	100	2904		
43	35.6		29.8	44.6
58	58.1		55.4	83.2

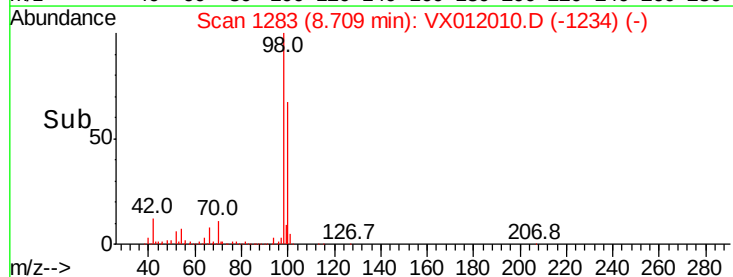
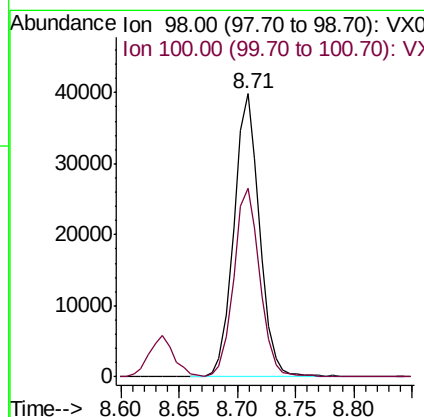
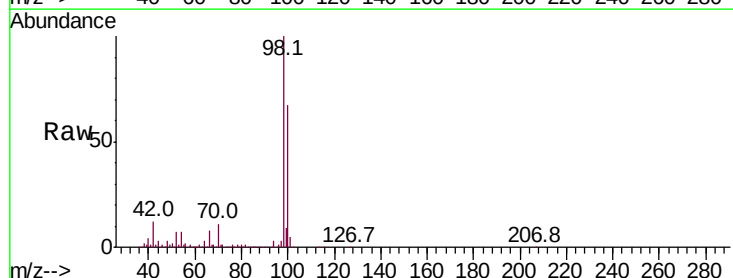
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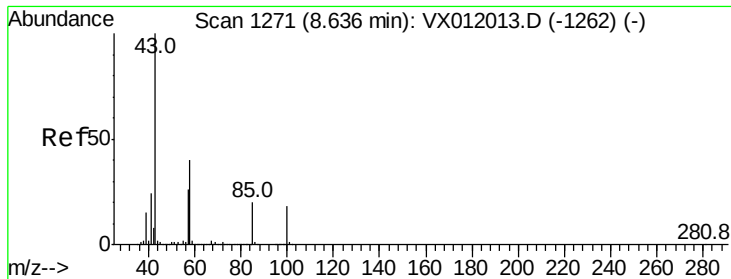
sam
9/3/2019 2:15:39 PM



#50
Toluene-d8
Concen: 4.911 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	61243		
100	66.8		53.3	79.9





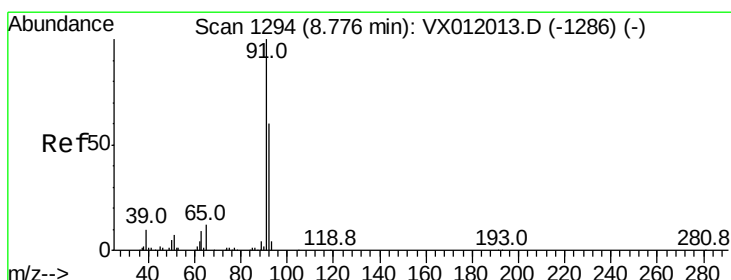
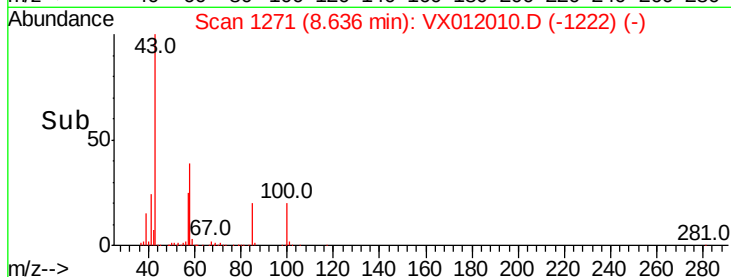
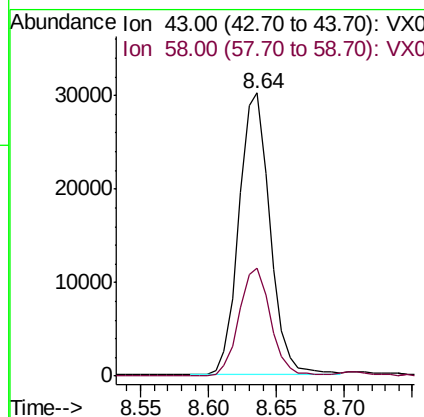
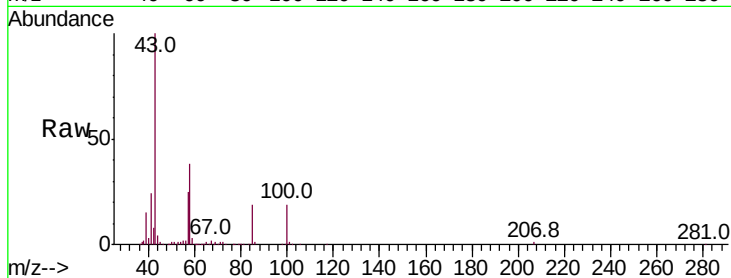
#51
4-Methyl-2-Pentanone
Concen: 22.441 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.5	47.3

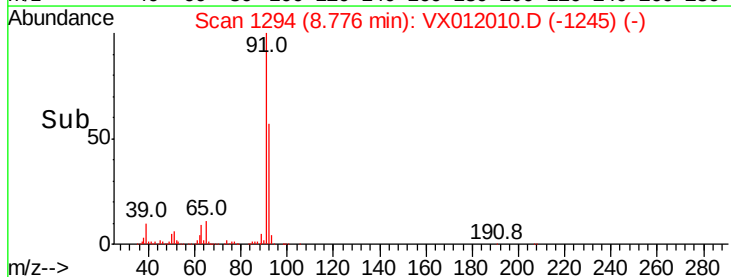
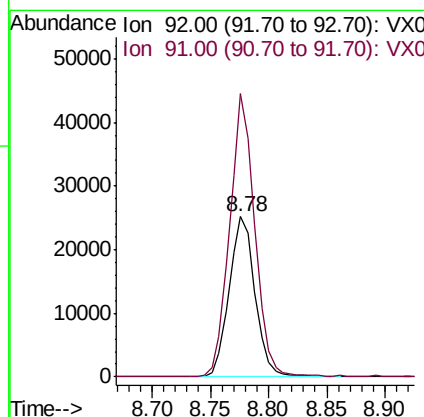
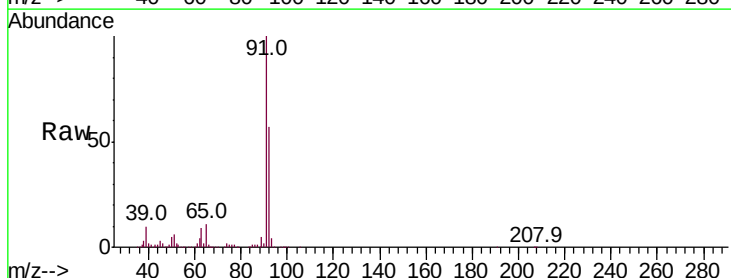
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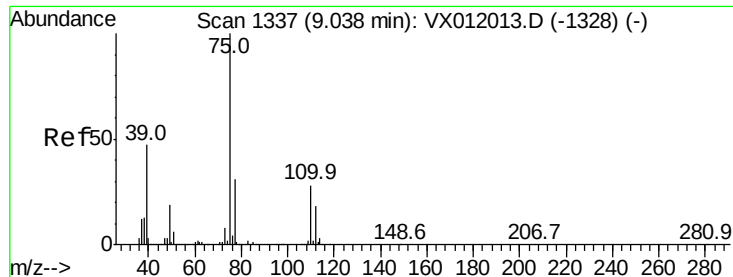
sam
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#52
Toluene
Concen: 4.845 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.0	204.0





#53

t-1,3-Dichloropropene

Concen: 4.759 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 21887

Ion Ratio Lower Upper

75 100

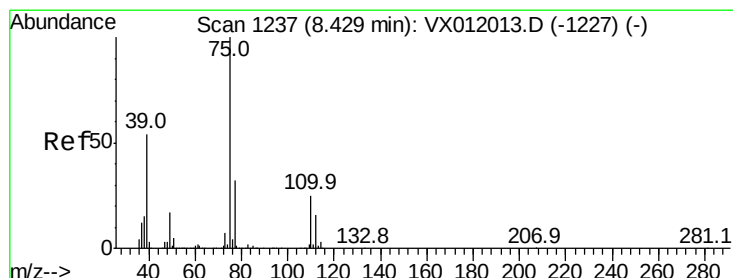
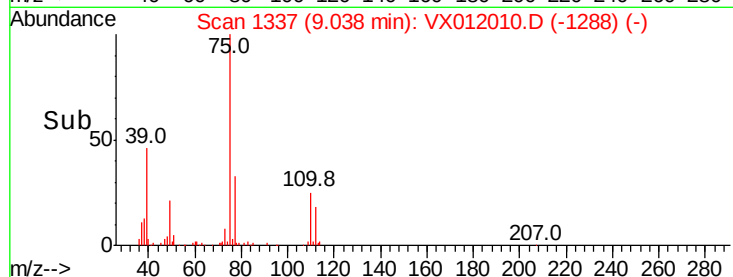
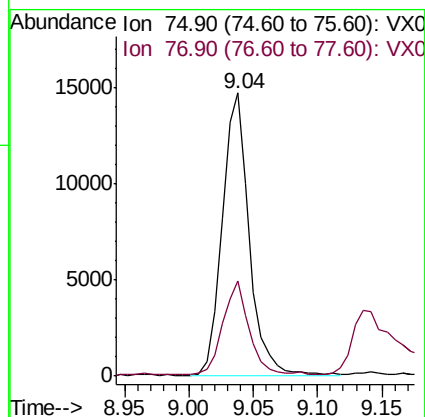
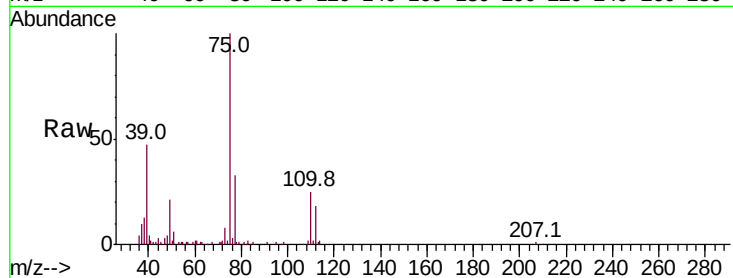
77 32.9 25.1 37.7

Manual Integrations

APPROVED

sam

9/3/2019 2:15:39 PM



#54

cis-1,3-Dichloropropene

Concen: 4.889 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

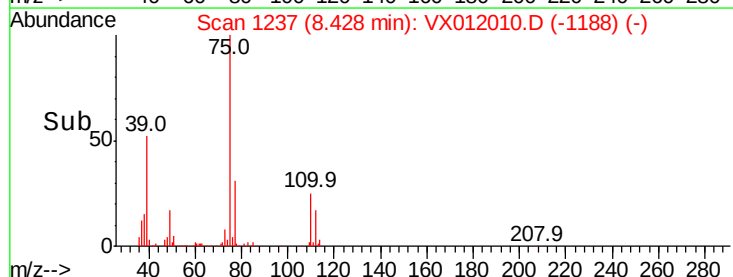
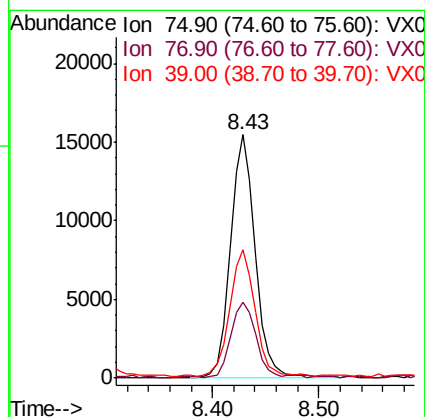
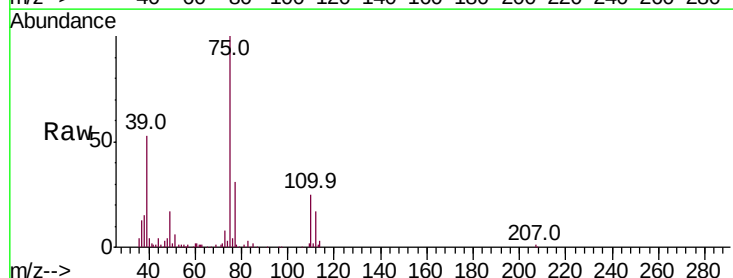
Tgt Ion: 75 Resp: 25310

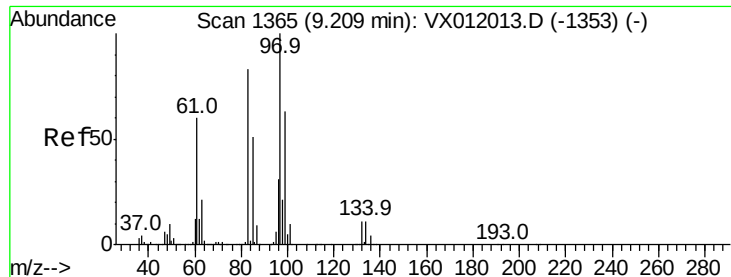
Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3

39 51.5 43.0 64.4





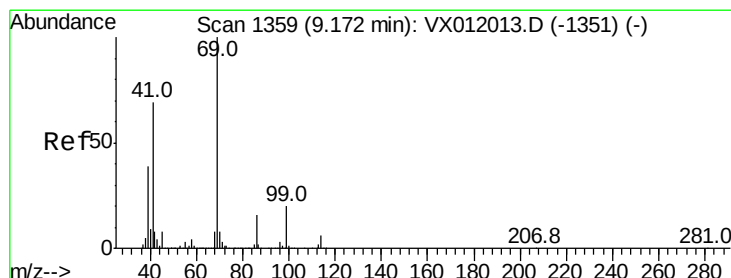
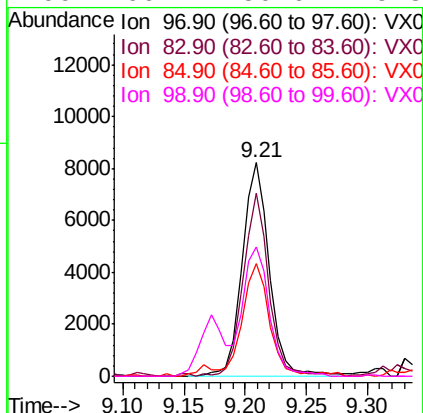
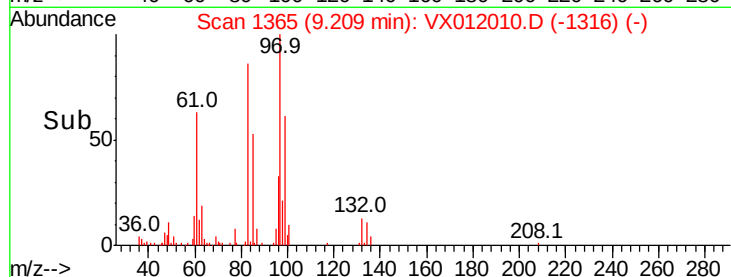
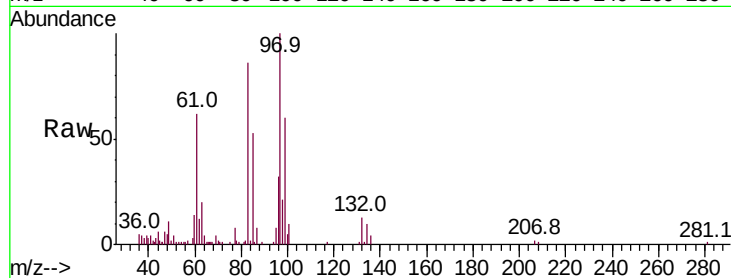
#55
1,1,2-Trichloroethane
Concen: 4.807 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.0	99.0
85	51.7	41.0	61.6
99	60.4	50.6	75.8

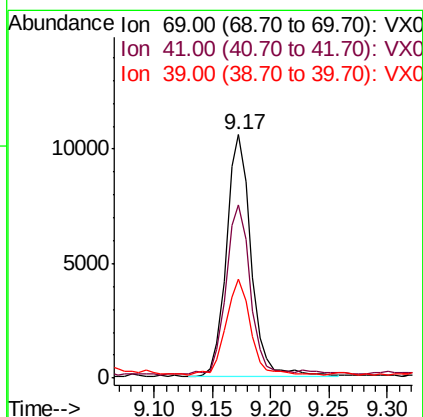
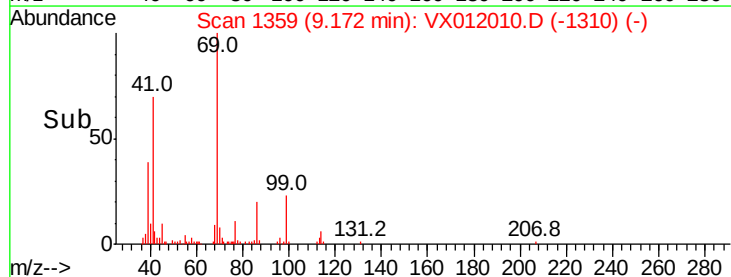
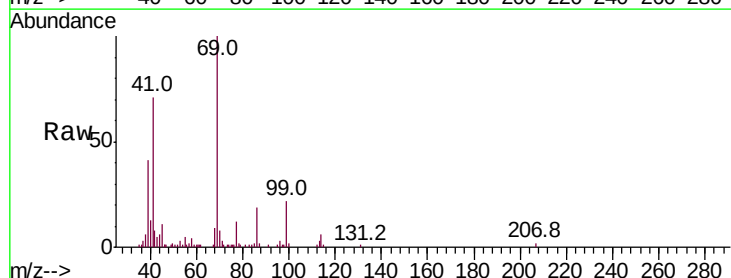
Manual Integrations
APPROVED

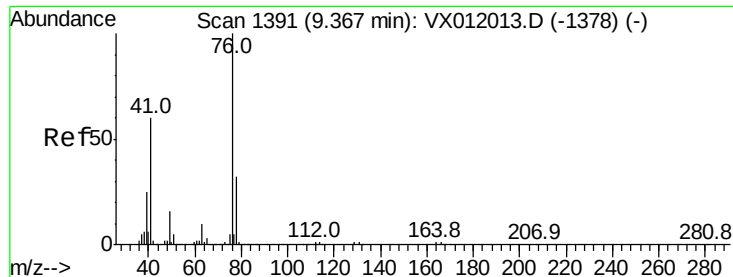
sam
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#56
Ethyl methacrylate
Concen: 4.454 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.1	53.9	80.9
39	39.5	31.1	46.7





#57

1,3-Dichloropropane

Concen: 4.770 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X

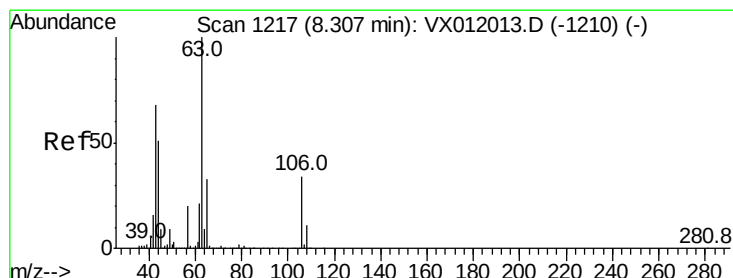
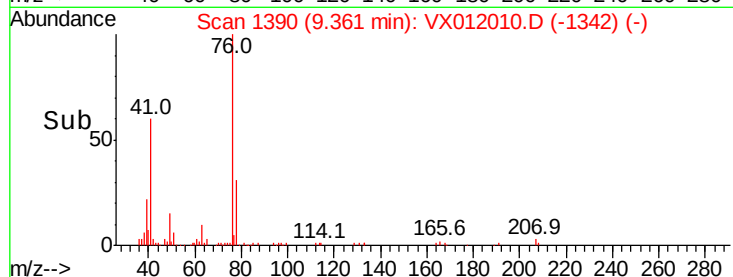
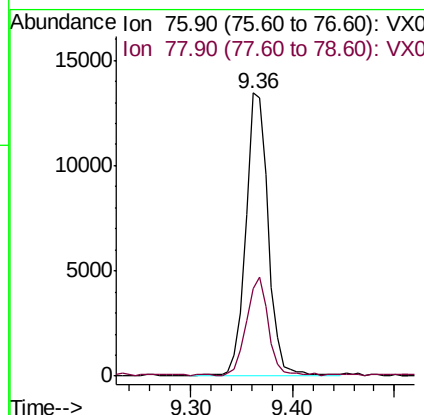
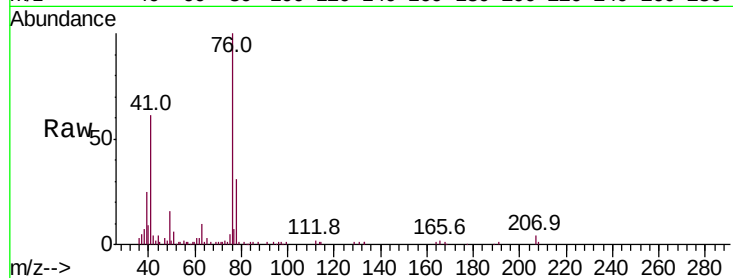
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 20584

Ion	Ratio	Lower	Upper
76	100		
78	34.6	25.5	38.3

Manual Integrations
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sam
9/3/2019 2:15:39 PM



#58

2-Chloroethyl Vinyl ether

Concen: 24.843 ug/l

RT: 8.30 min Scan# 1216

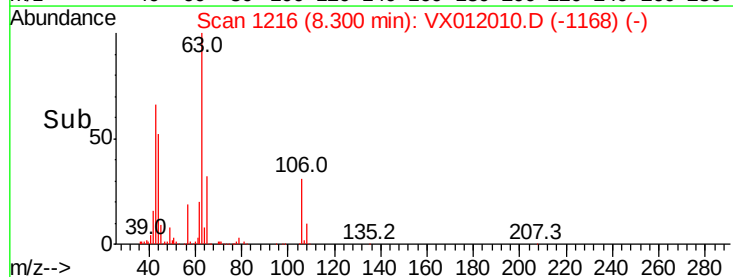
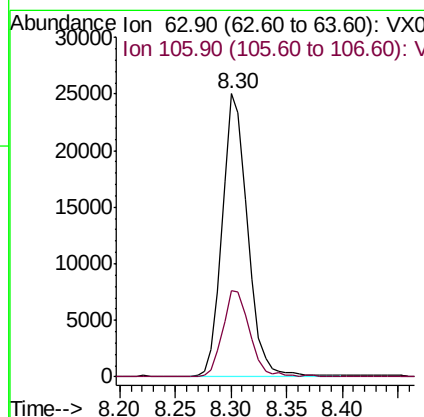
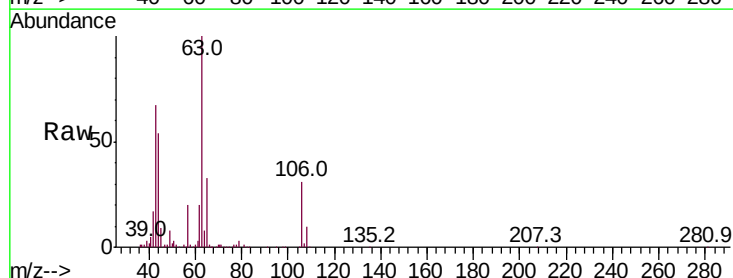
Delta R.T. -0.01 min

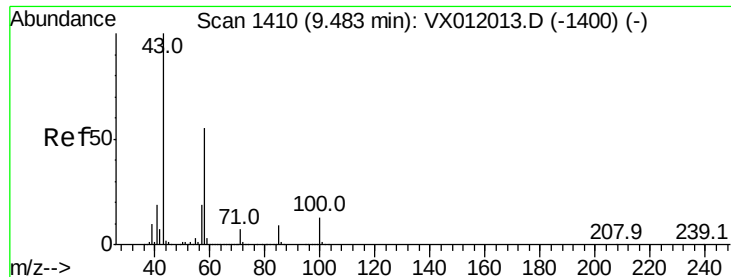
Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion: 63 Resp: 39391

Ion	Ratio	Lower	Upper
63	100		
106	32.5	26.5	39.7





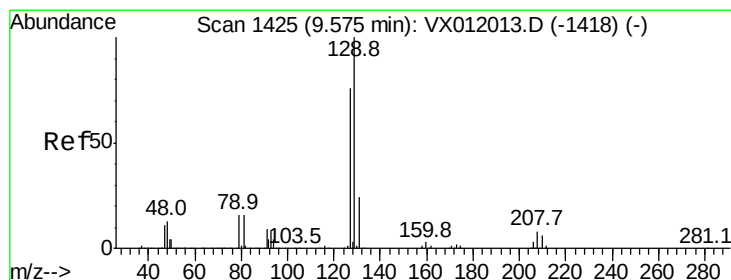
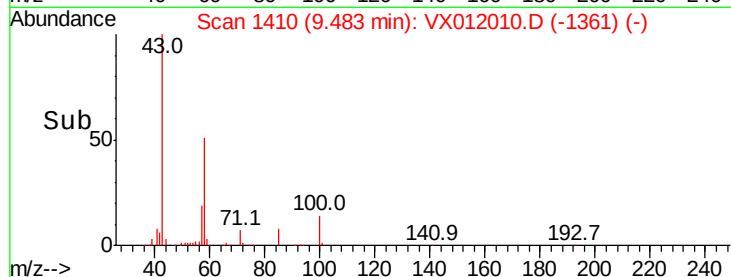
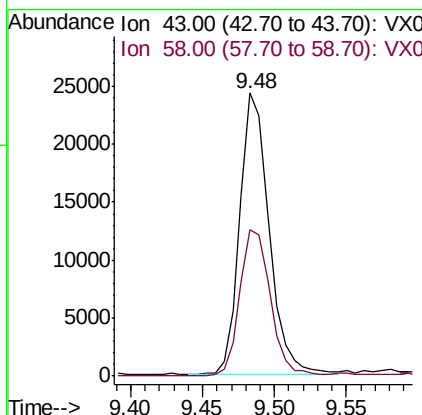
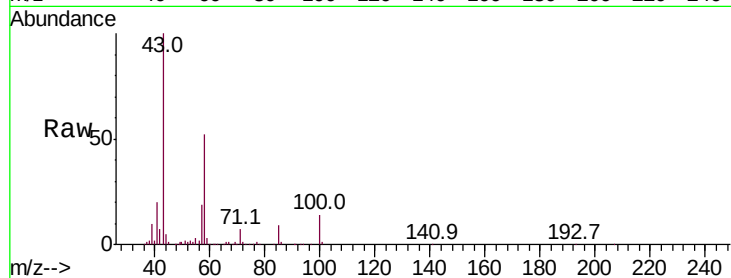
#59
2-Hexanone
Concen: 22.480 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	34382
Ion Ratio	100	Lower	Upper
58	54.4	27.2	81.6

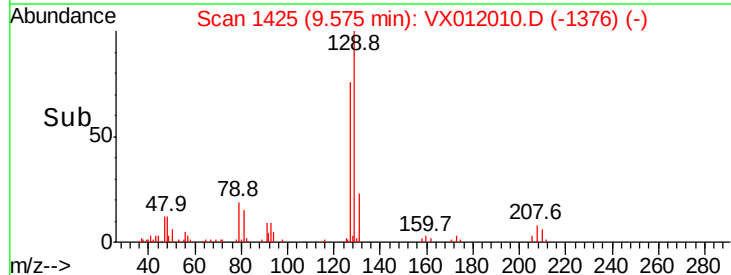
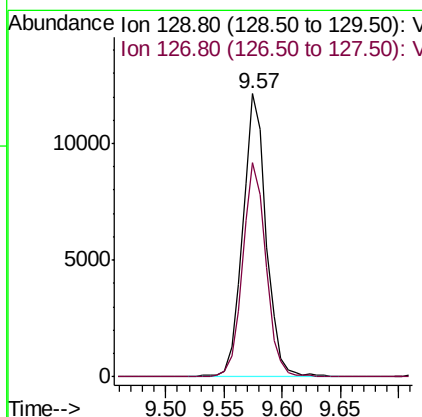
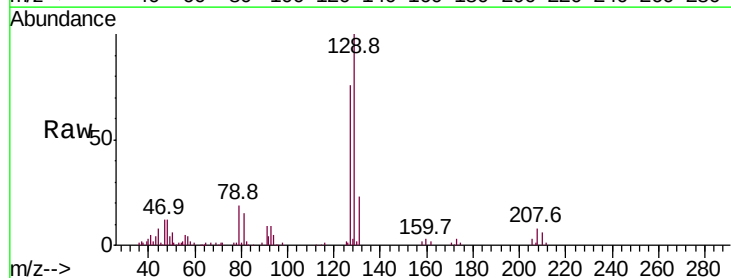
Manual Integrations
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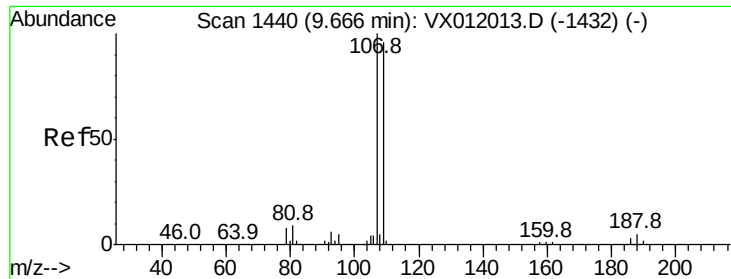
sam
9/3/2019 2:15:39 PM



#60
Dibromochloromethane
Concen: 4.652 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	129	Resp	16991
Ion Ratio	100	Lower	Upper
127	75.4	38.1	114.5





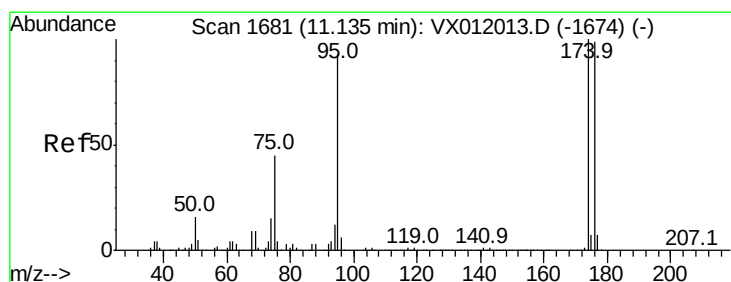
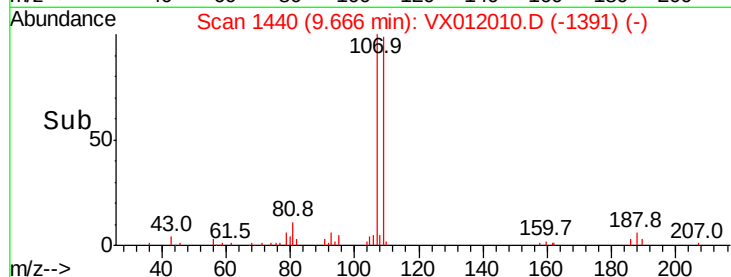
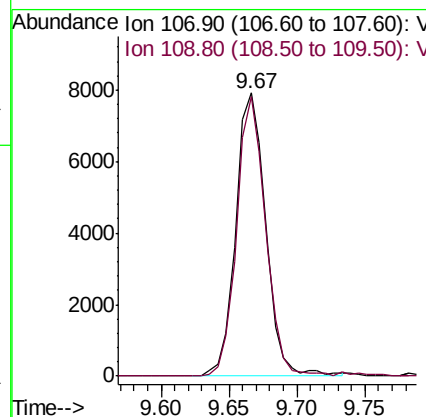
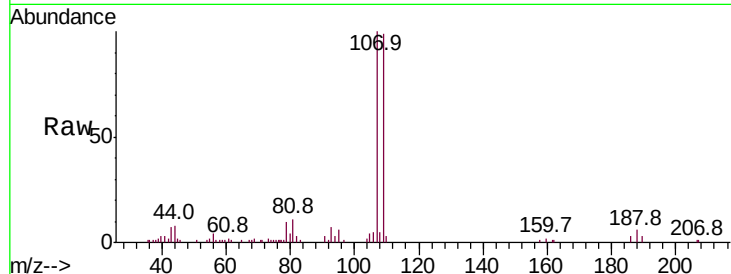
#61
 1,2-Dibromoethane
 Concen: 4.633 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.9	115.3

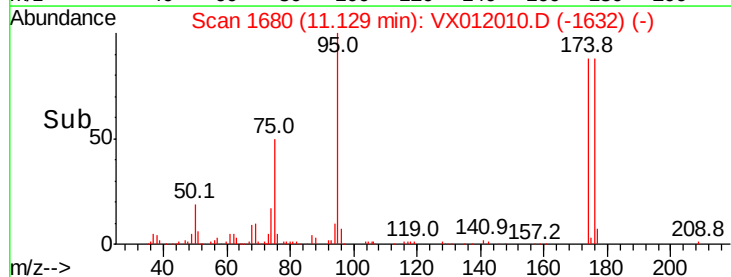
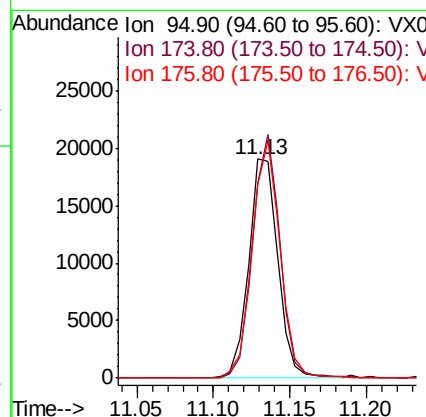
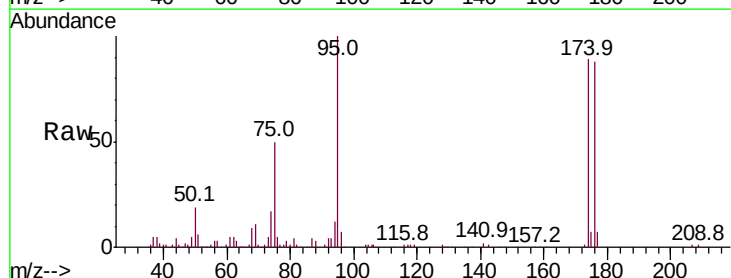
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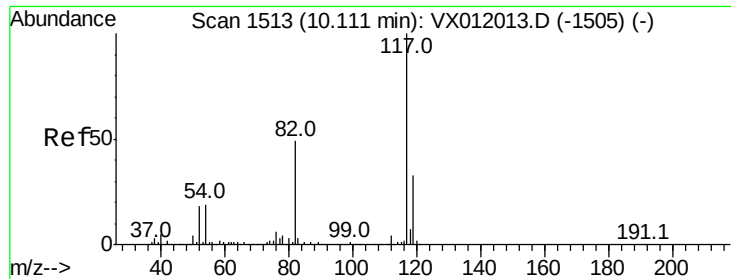
sam
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#62
 4-Bromofluorobenzene
 Concen: 4.675 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	105.0	0.0	205.4
176	103.1	0.0	201.8





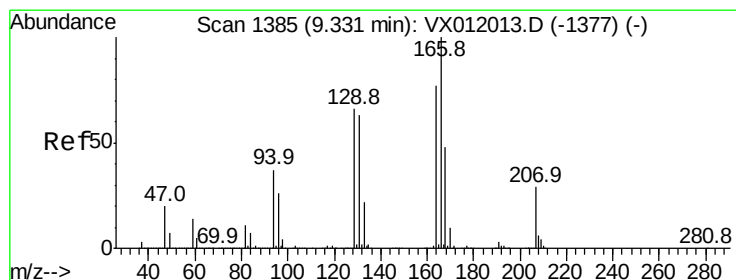
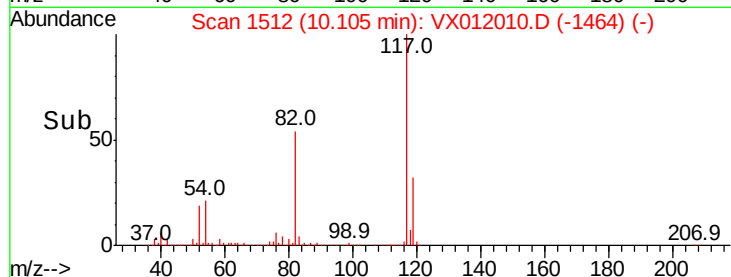
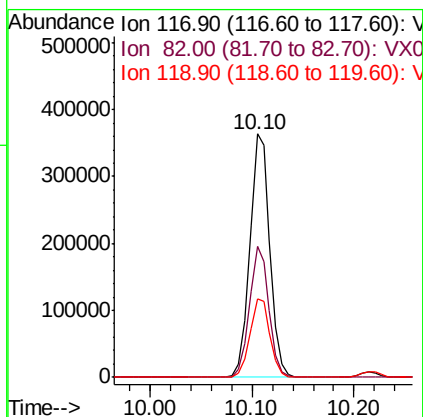
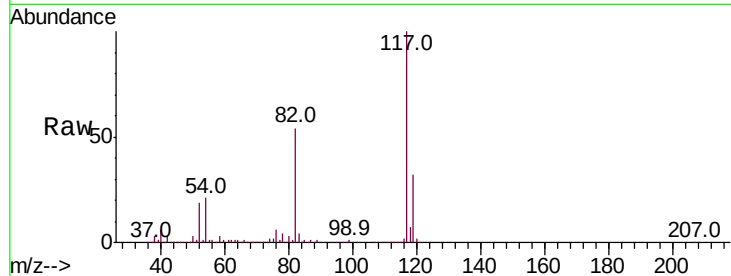
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	495035		
82	53.5	39.4	59.0	
119	32.0	26.1	39.1	

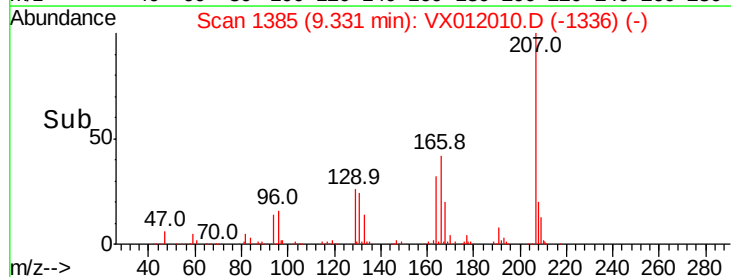
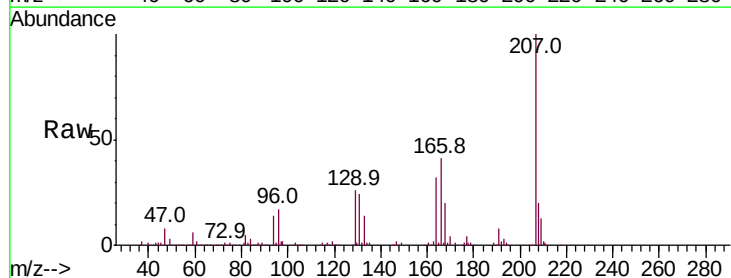
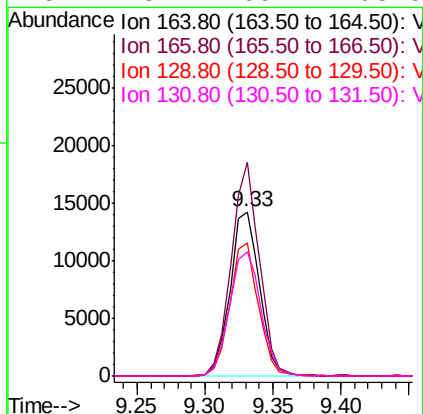
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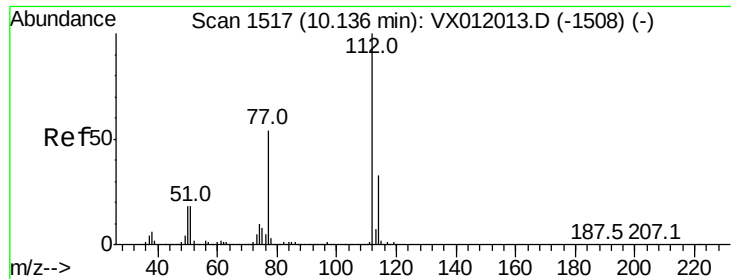
sam
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#64
Tetrachloroethene
Concen: 5.233 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21320		
166	130.2	104.3	156.5	
129	81.2	68.3	102.5	
131	75.4	65.4	98.0	





#65

Chlorobenzene

Concen: 5.073 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 47408

Ion Ratio Lower Upper

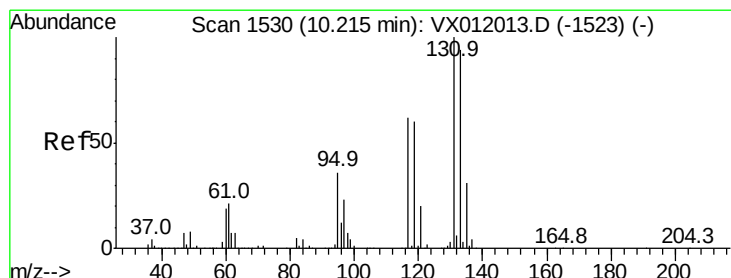
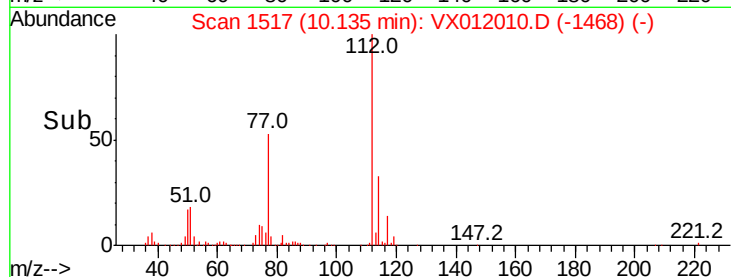
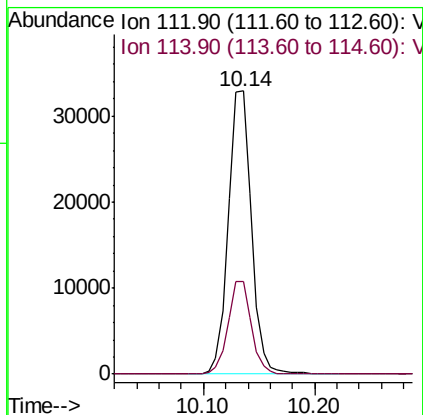
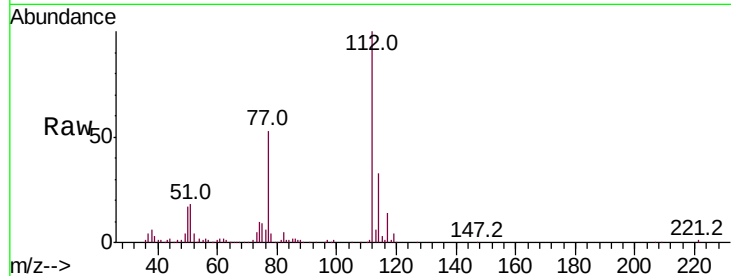
112 100

114 32.6 26.2 39.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.877 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

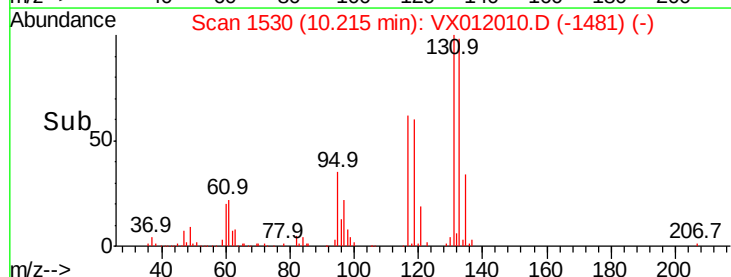
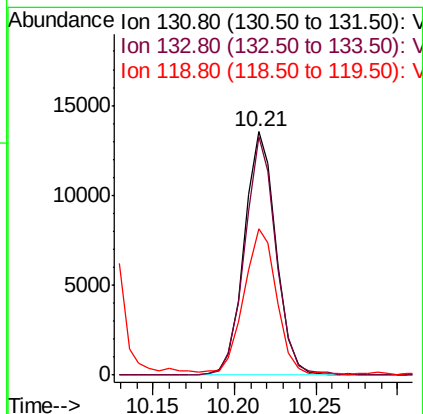
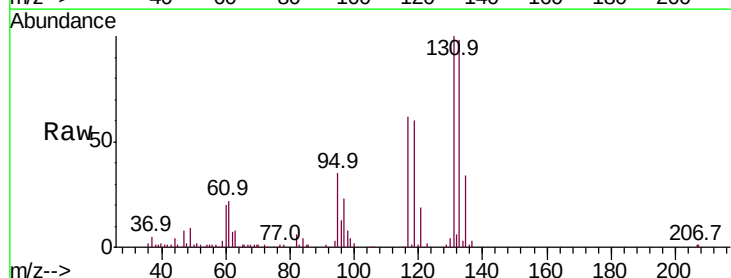
Tgt Ion:131 Resp: 18291

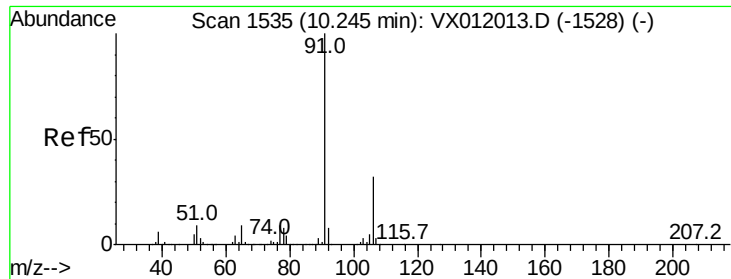
Ion Ratio Lower Upper

131 100

133 97.0 48.4 145.0

119 63.5 30.5 91.5





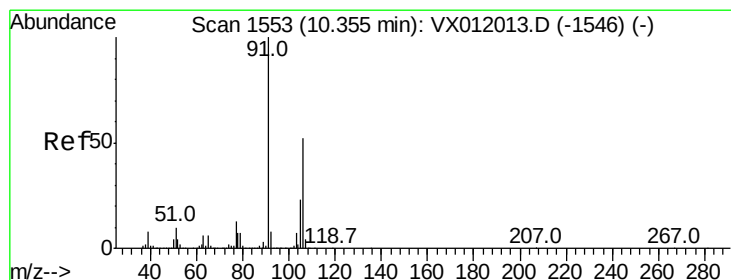
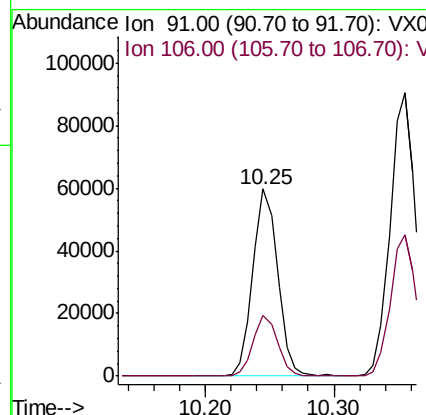
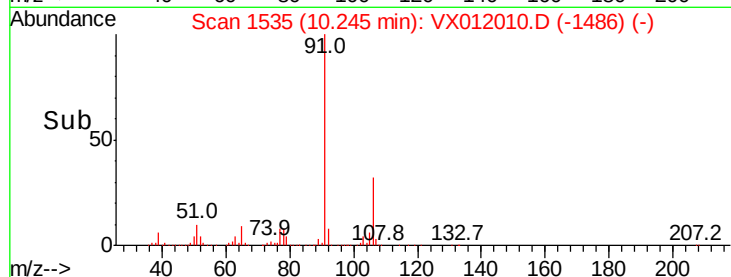
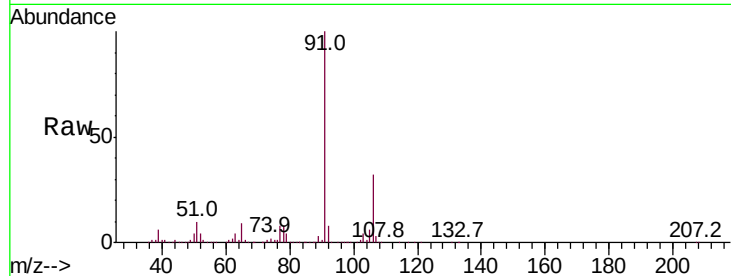
#67
Ethyl Benzene
Concen: 5.047 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 79675
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.8

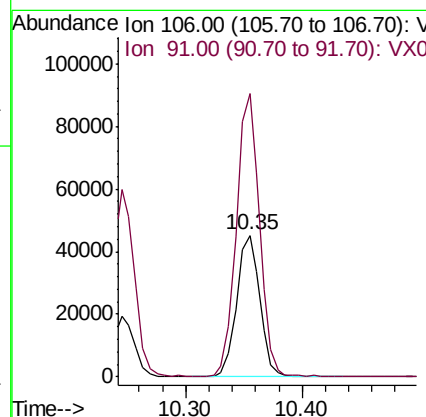
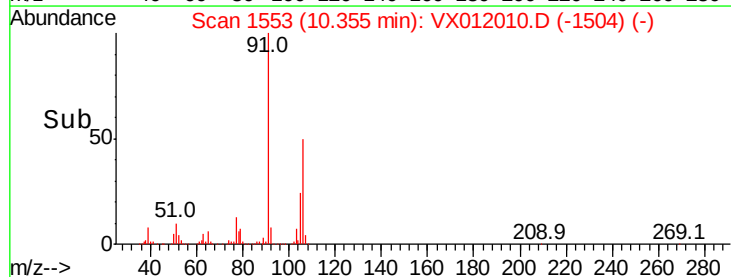
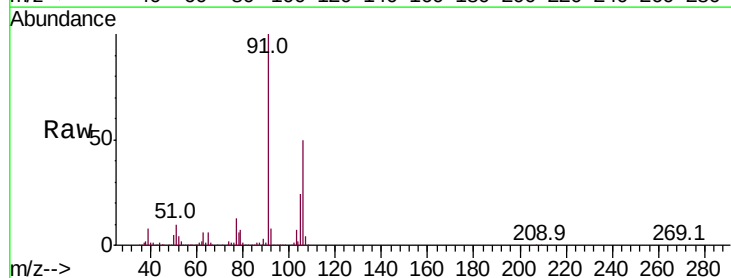
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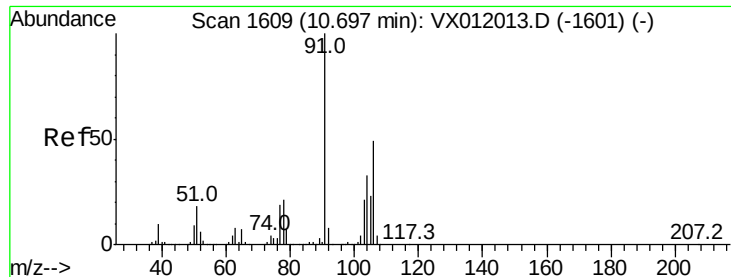
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#68
m/p-Xylenes
Concen: 10.144 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion: 106 Resp: 62883
Ion Ratio Lower Upper
106 100
91 199.2 157.5 236.3





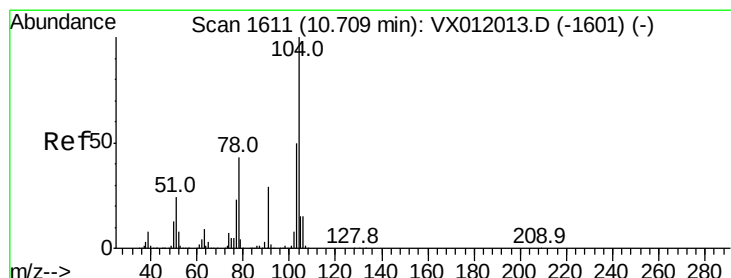
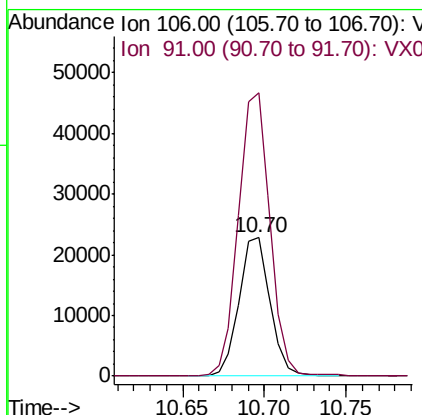
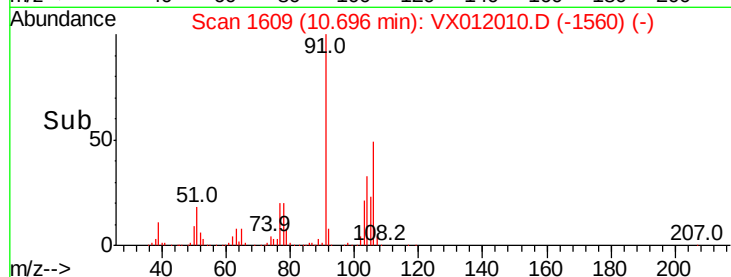
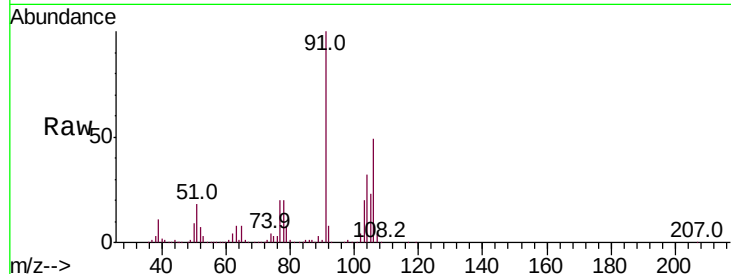
#69
o-Xylene
Concen: 5.056 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.8	103.5	310.3

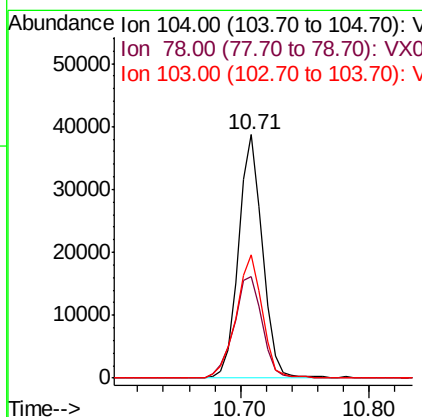
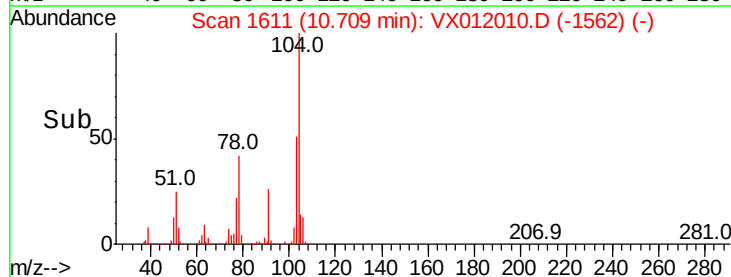
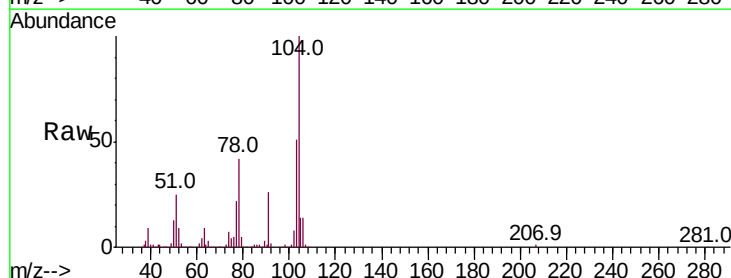
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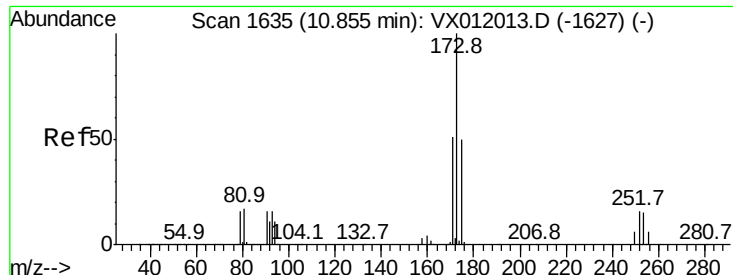
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#70
Styrene
Concen: 4.833 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.1	58.7
103	55.9	43.4	65.2





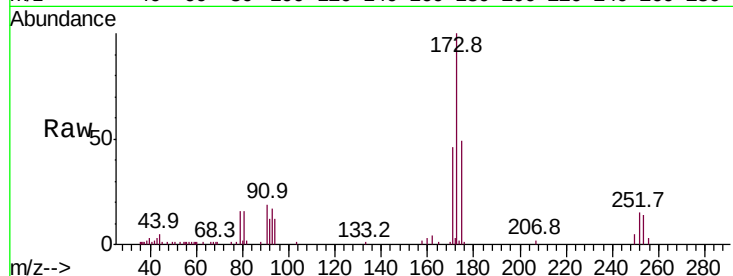
#71
Bromoform
Concen: 4.652 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

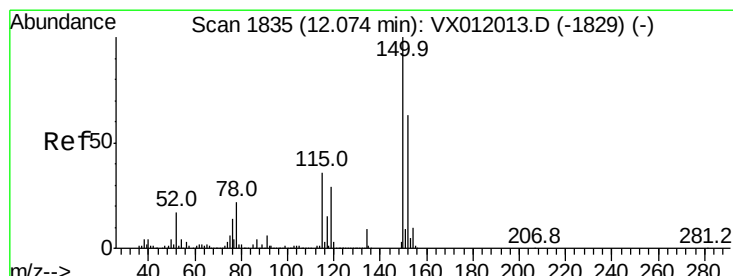
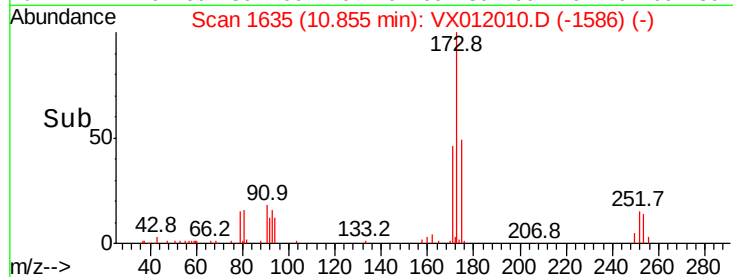
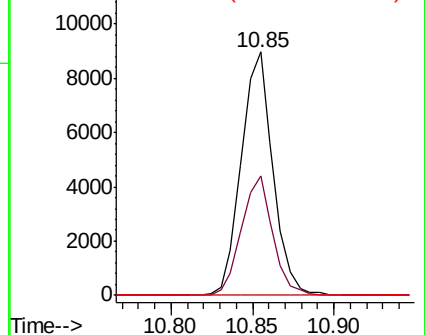
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.7
254	0.0	0.1	0.1#

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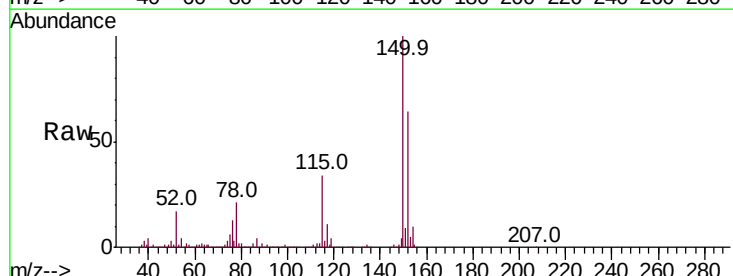


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

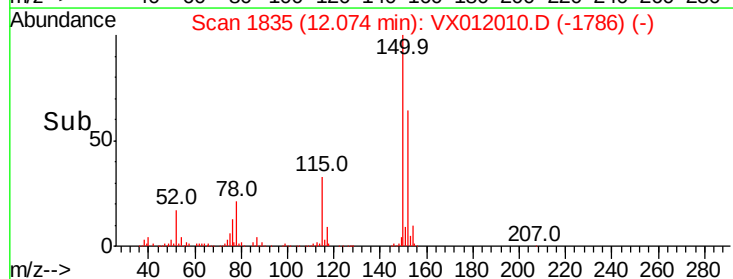
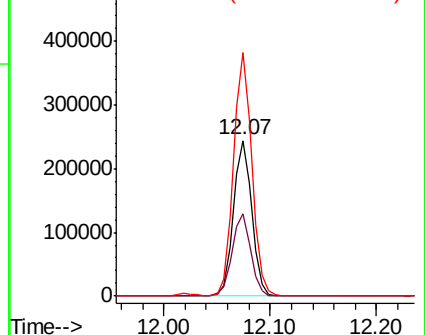


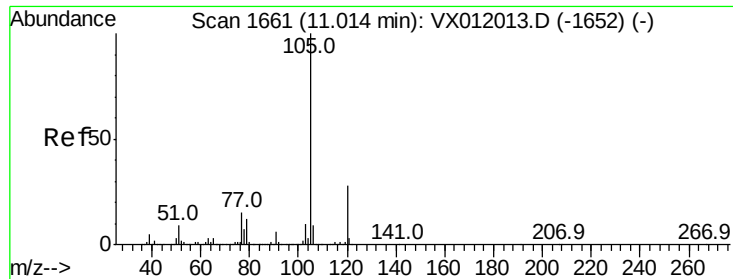
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	36.4	109.3
150	156.6	0.0	341.2



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: 5.065 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 83460

Ion Ratio Lower Upper

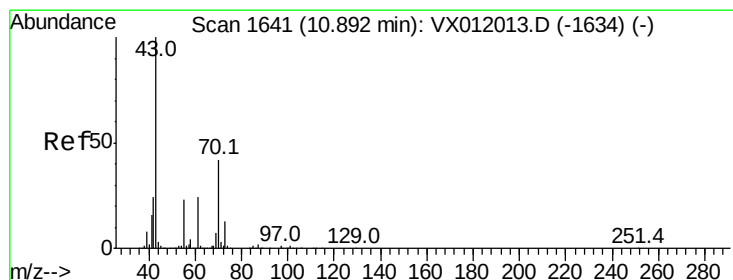
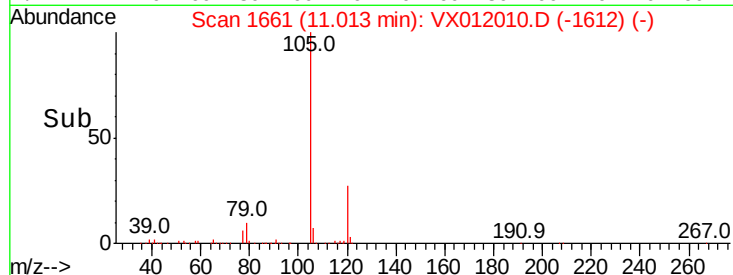
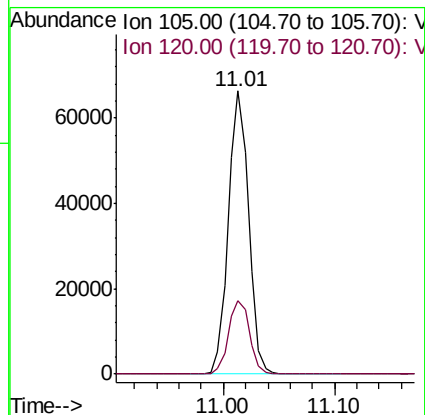
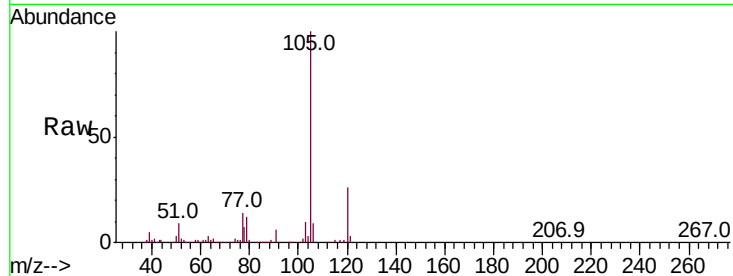
105 100

120 27.2 13.9 41.6

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#74

N-ethyl acetate

Concen: 4.421 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion: 43 Resp: 18164

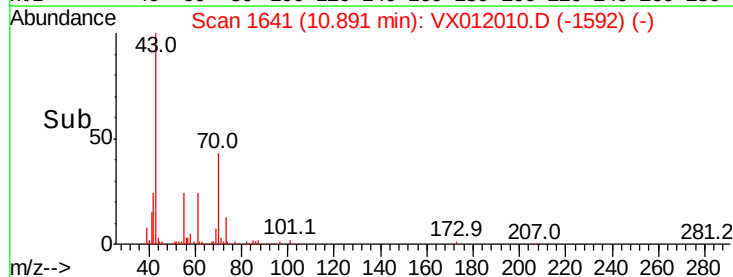
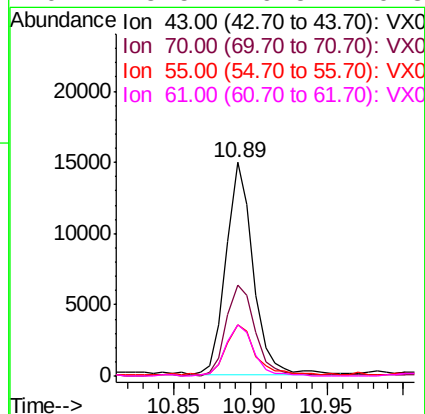
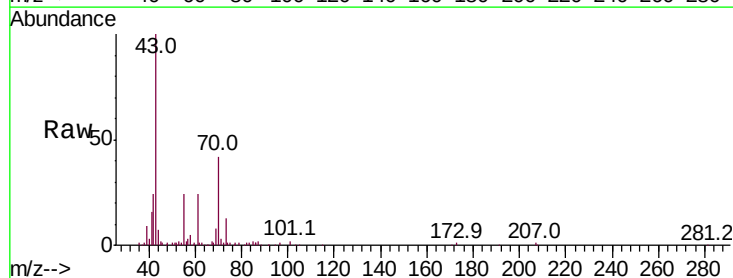
Ion Ratio Lower Upper

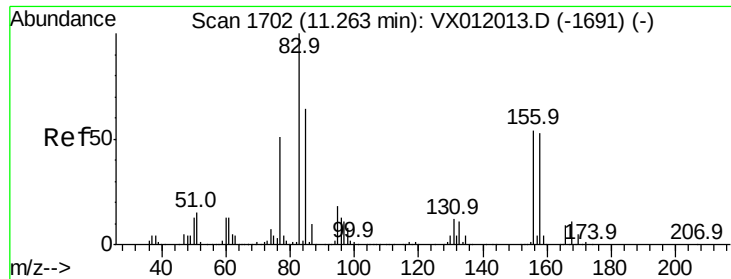
43 100

70 47.6 34.4 51.6

55 25.5 18.5 27.7

61 25.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 4.801 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

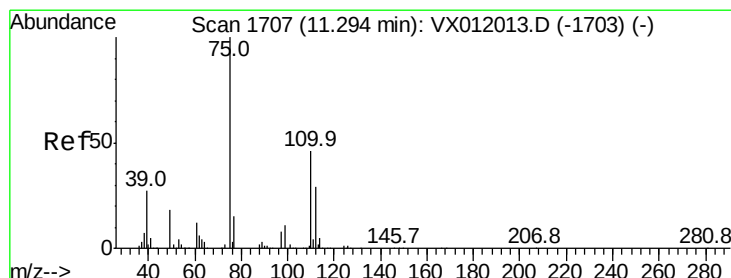
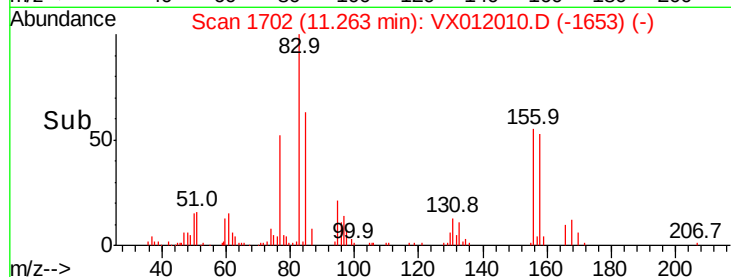
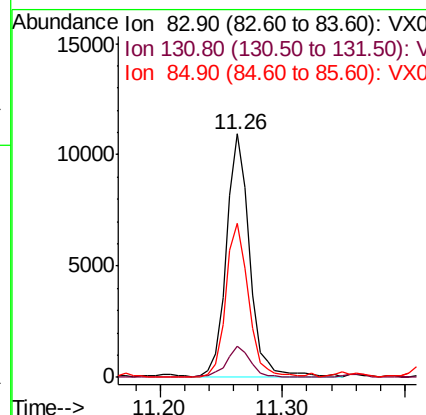
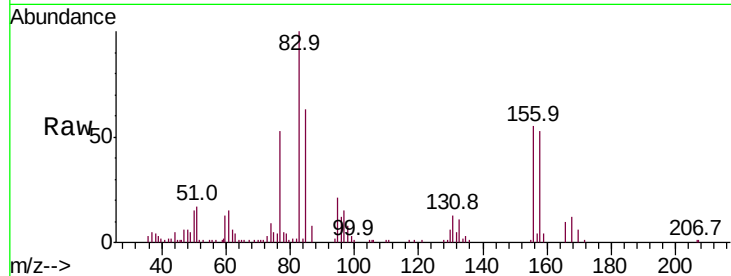
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14481
Ion Ratio	Lower	Upper	
83	100		
131	12.9	6.3	19.1
85	62.3	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 4.410 ug/l m

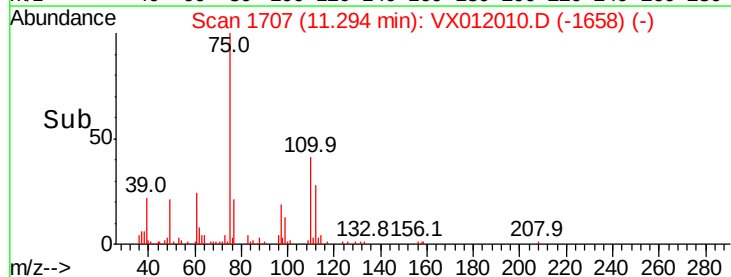
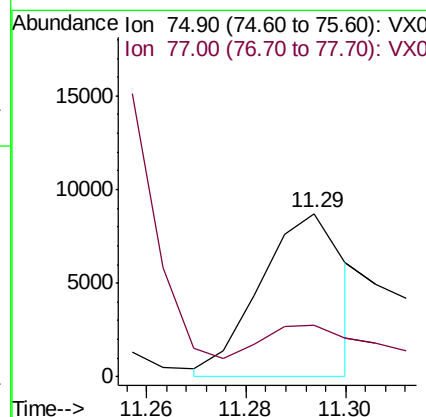
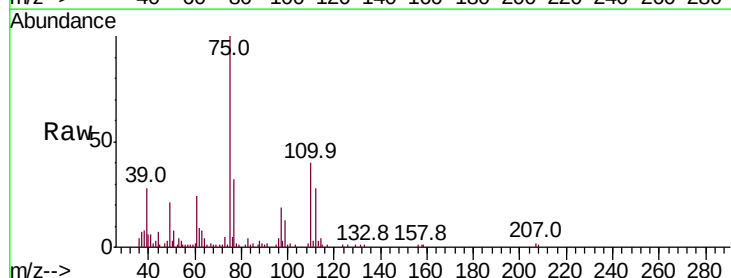
RT: 11.29 min Scan# 1707

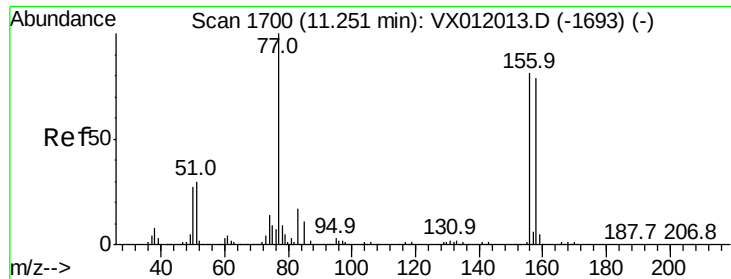
Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion:	75	Resp:	10307
Ion Ratio	Lower	Upper	
75	100		
77	47.6	23.5	70.5





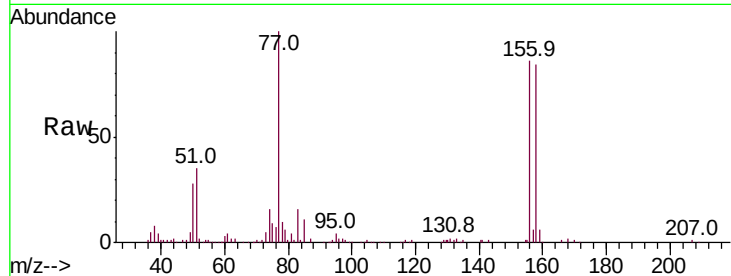
#77
Bromobenzene
Concen: 5.010 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

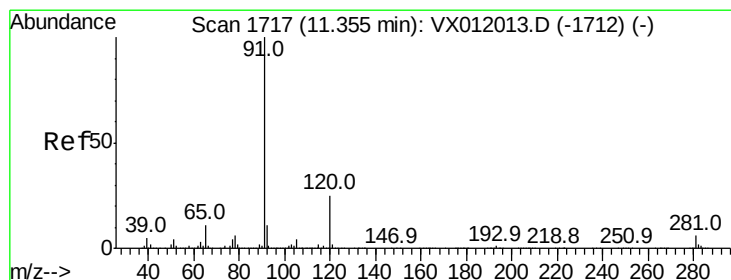
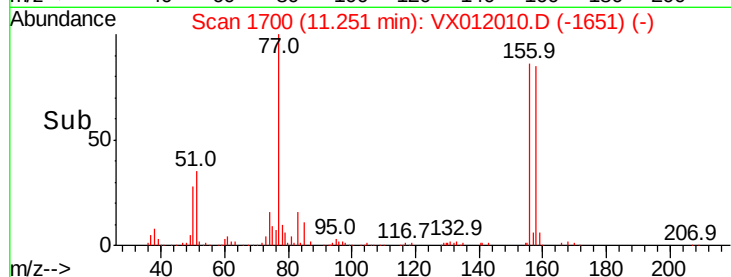
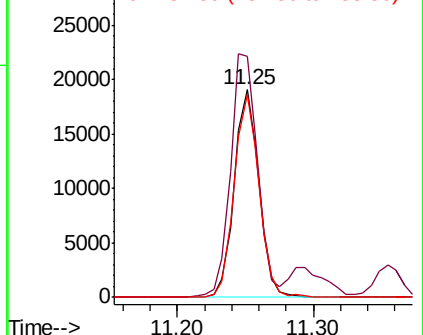
Tot Ion	Ratio	Lower	Upper
156	100		
77	127.6	63.4	190.2
158	97.9	48.9	146.6

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sam
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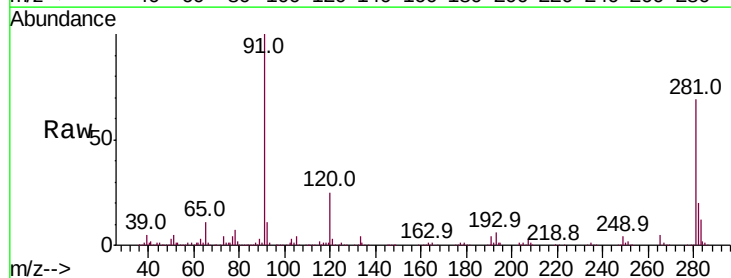


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

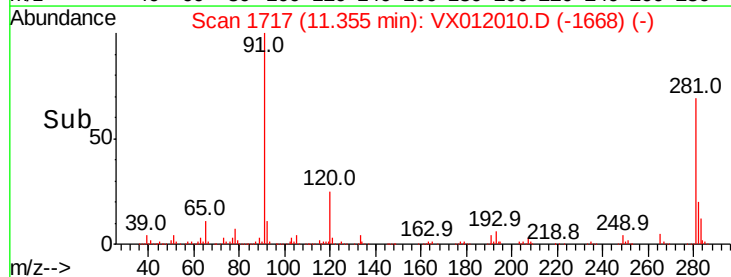
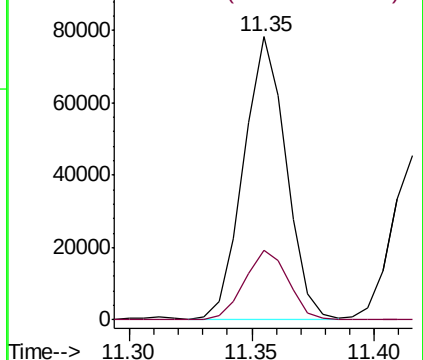


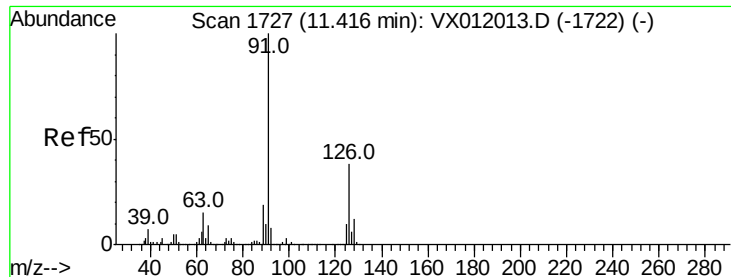
#78
n-propylbenzene
Concen: 5.073 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.7	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.121 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 56213

Ion Ratio Lower Upper

91 100

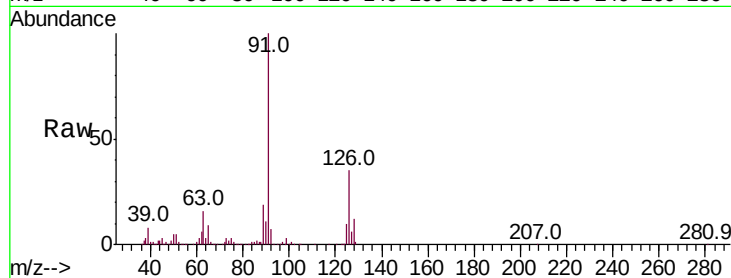
126 36.5 18.6 55.8

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Abundance Ion 91.00 (90.70 to 91.70): VX012010.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX012010.D (-1678) (-)

80000

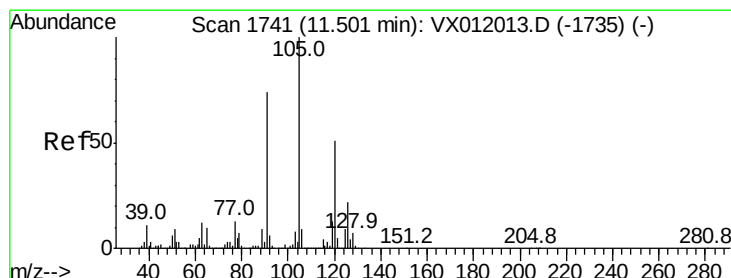
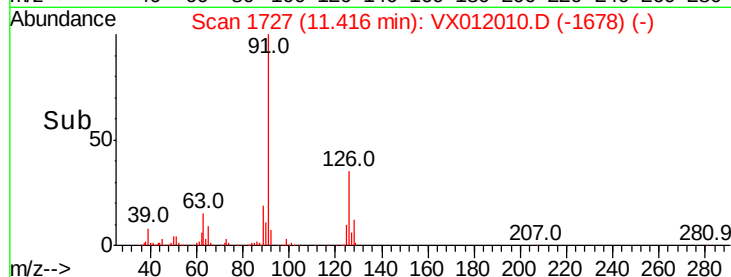
60000

40000

20000

0

Time--> 11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 5.132 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012010.D

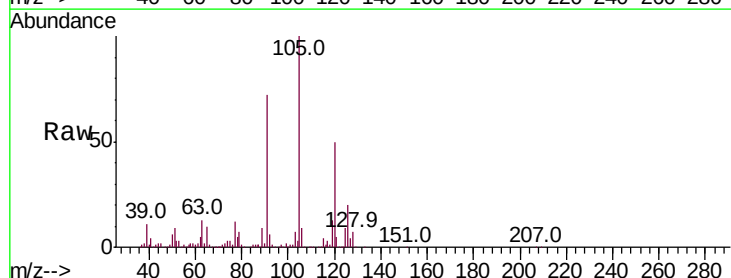
Acq: 02 Sep 2019 12:00

Tgt Ion: 105 Resp: 72938

Ion Ratio Lower Upper

105 100

120 50.8 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012010.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX012010.D (-1692) (-)

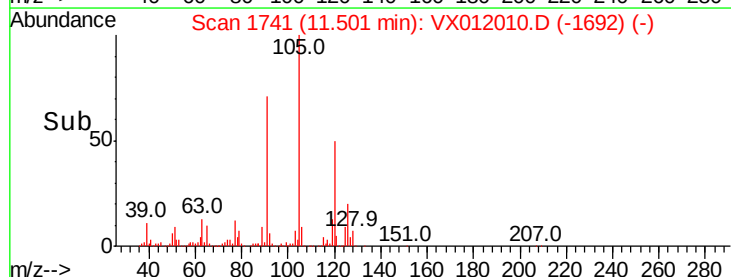
60000

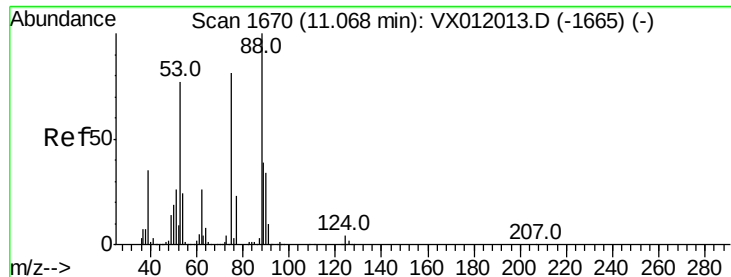
40000

20000

0

Time--> 11.45 11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 4.774 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 4730

Ion Ratio Lower Upper

75 100

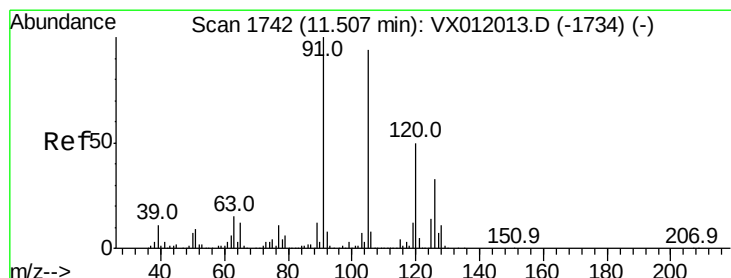
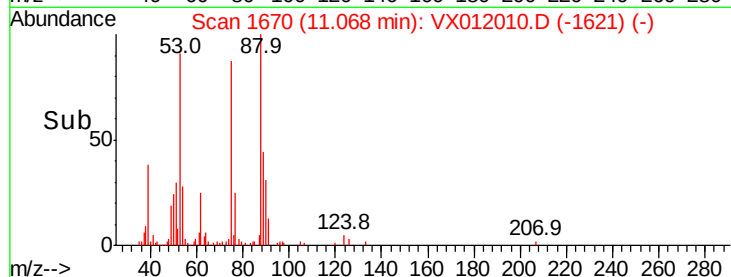
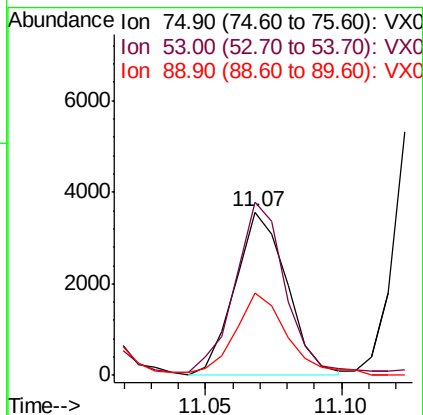
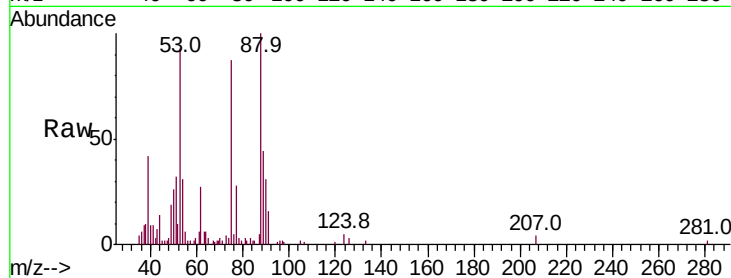
53 99.8 78.6 117.8

89 51.6 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.185 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012010.D

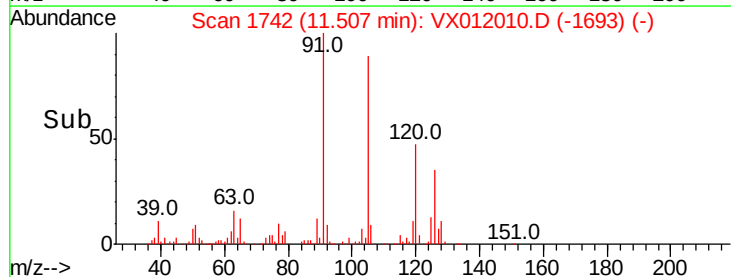
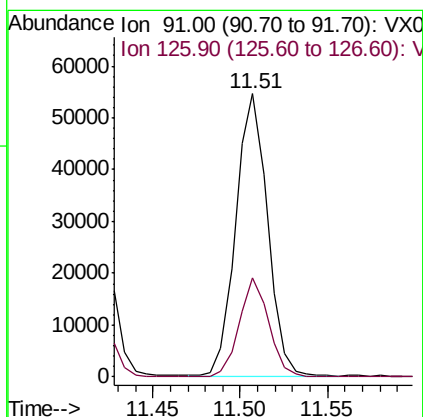
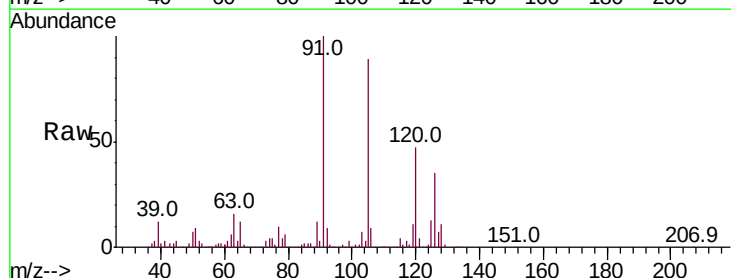
Acq: 02 Sep 2019 12:00

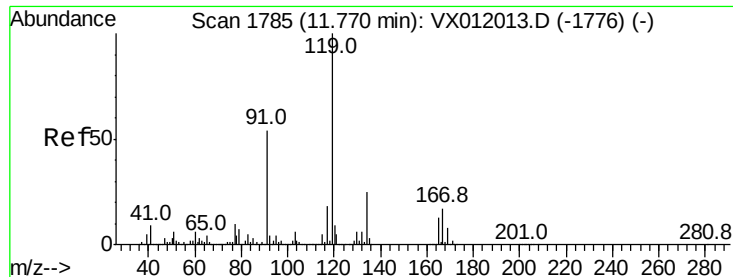
Tgt Ion: 91 Resp: 68296

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.6





#83

tert-Butylbenzene

Concen: 4.983 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

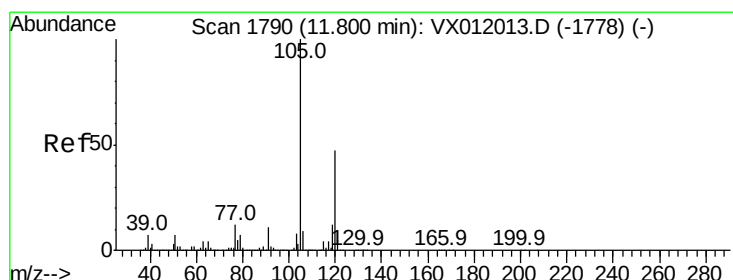
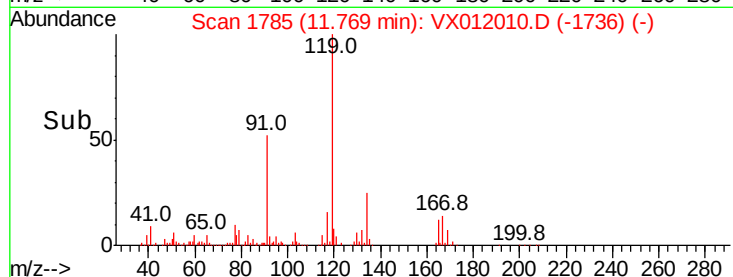
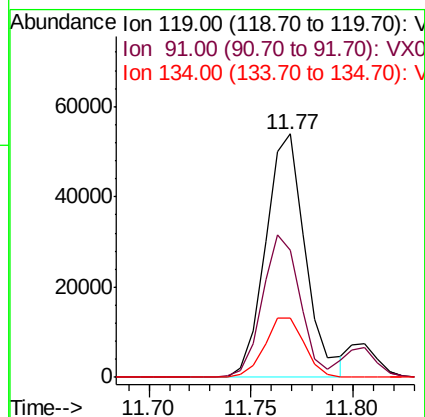
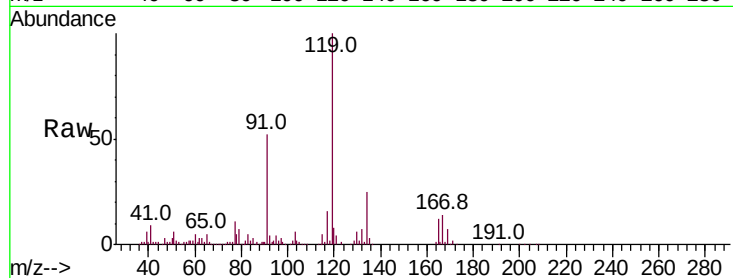
ClientSampled :

VSTDIC005

Tot Ion:	119	Resp:	73207
Ion Ratio	Lower	Upper	
119	100		
91	55.3	27.1	81.2
134	24.6	12.1	36.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.152 ug/l

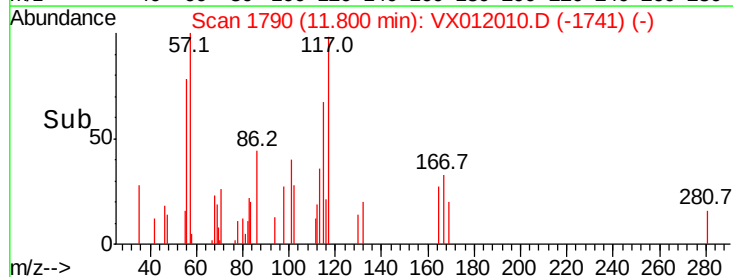
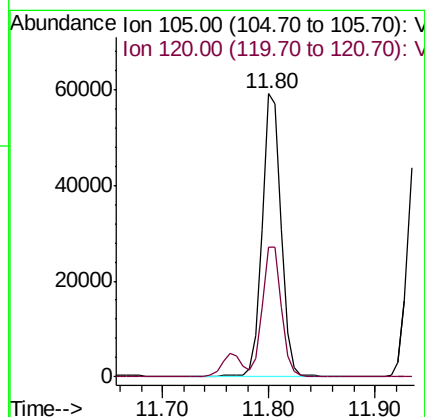
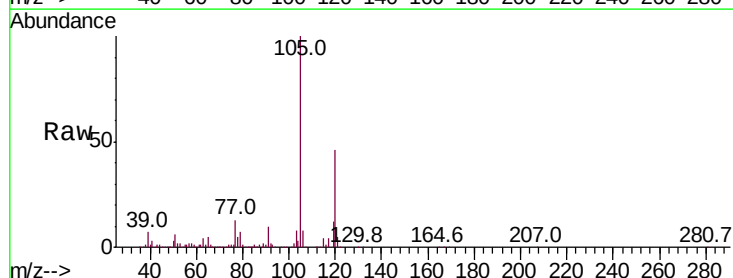
RT: 11.80 min Scan# 1790

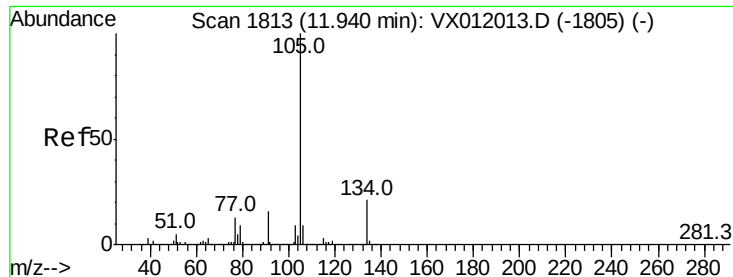
Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Tgt Ion:	105	Resp:	74204
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.6	70.8





#85

sec-Butylbenzene

Concen: 5.045 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 85134

Ion Ratio Lower Upper

105 100

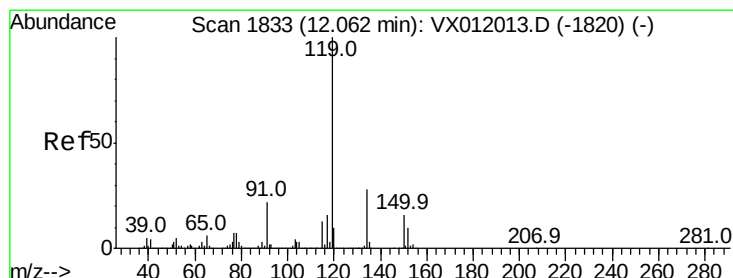
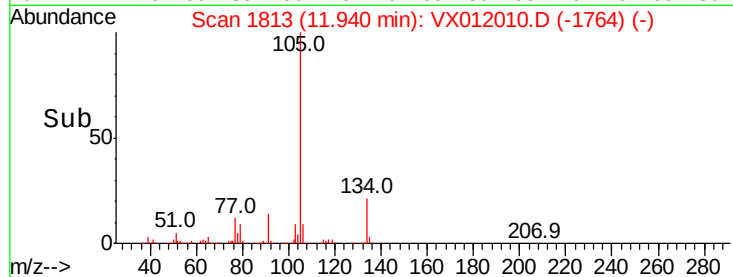
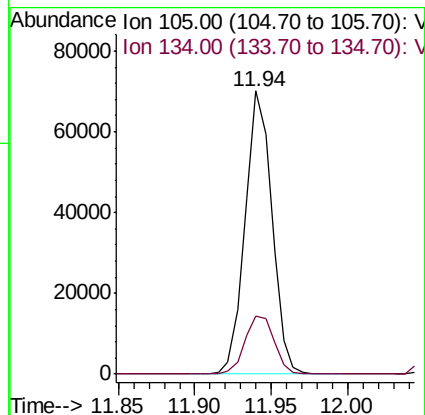
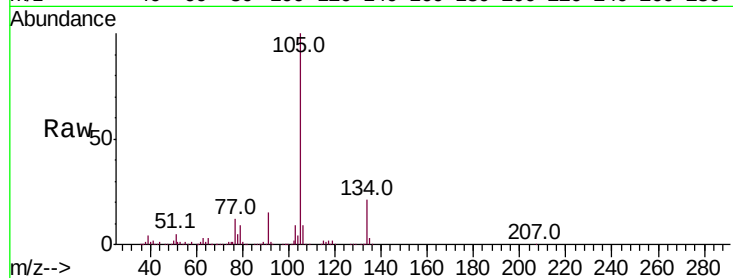
134 22.4 11.2 33.6

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#86

p-Isopropyltoluene

Concen: 5.090 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012010.D

Acq: 02 Sep 2019 12:00

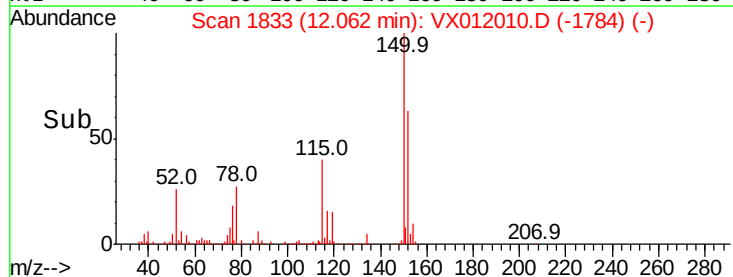
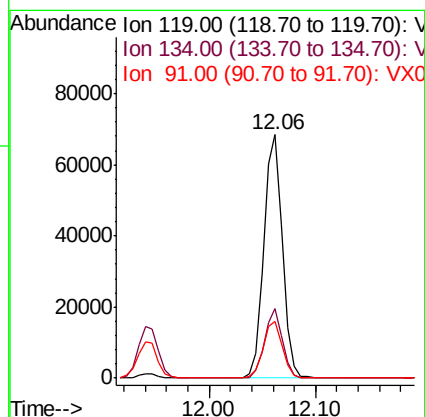
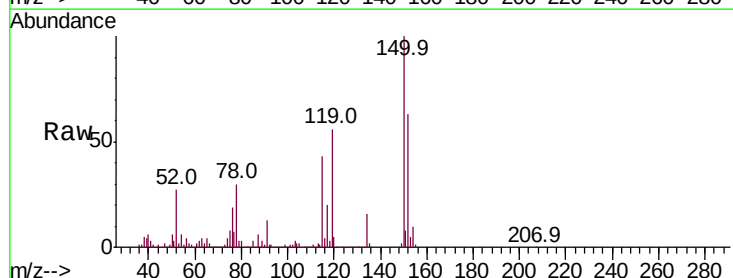
Tgt Ion:119 Resp: 84106

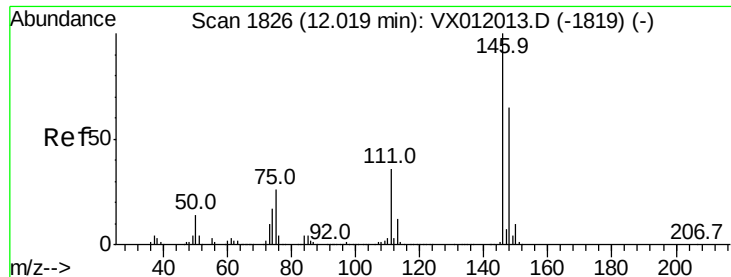
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 24.0 11.4 34.1





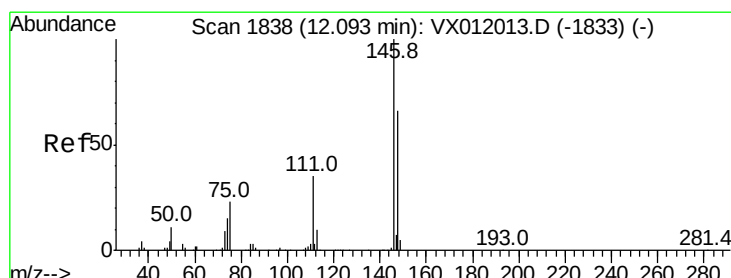
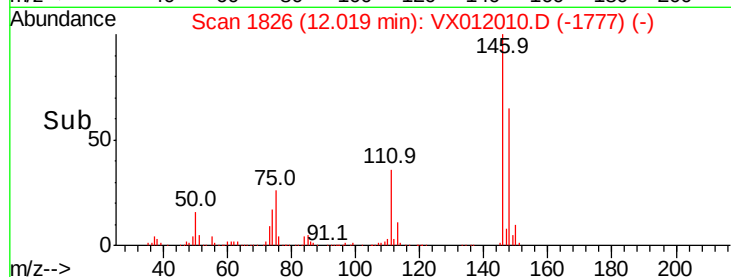
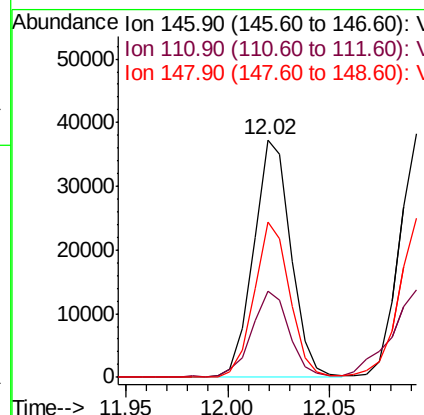
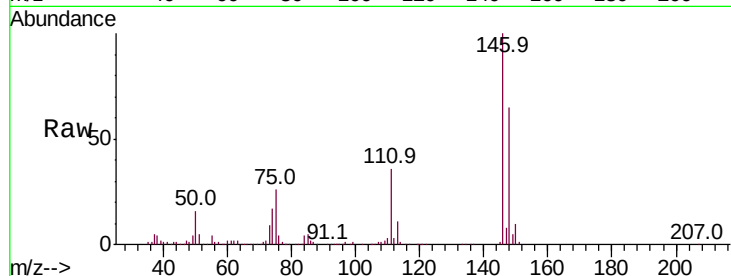
#87
 1,3-Dichlorobenzene
 Concen: 5.229 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	62.7	32.6	97.8

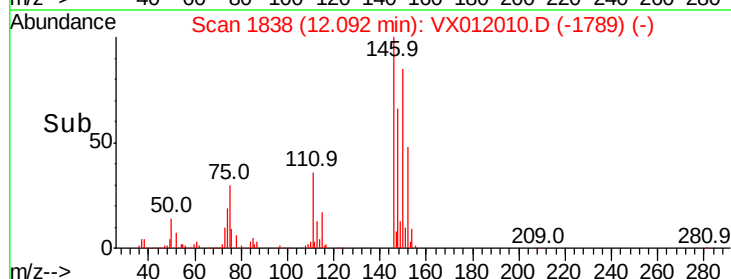
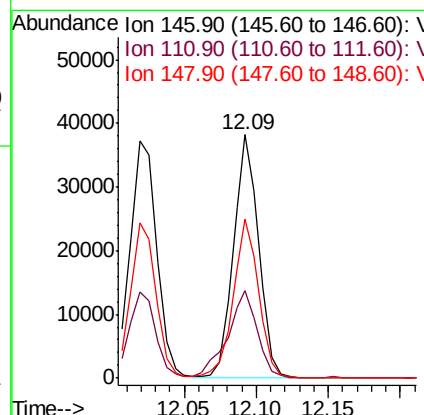
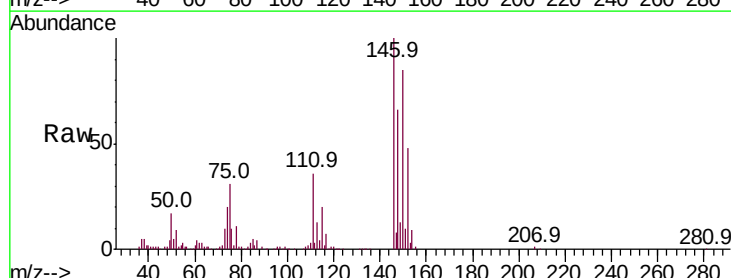
Manual Integrations
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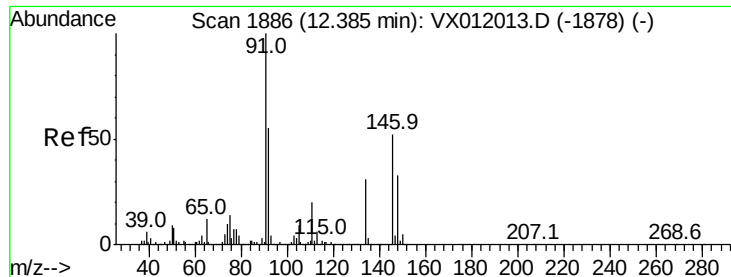
sam
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#88
 1,4-Dichlorobenzene
 Concen: 5.205 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	17.7	53.1
148	66.5	32.4	97.0





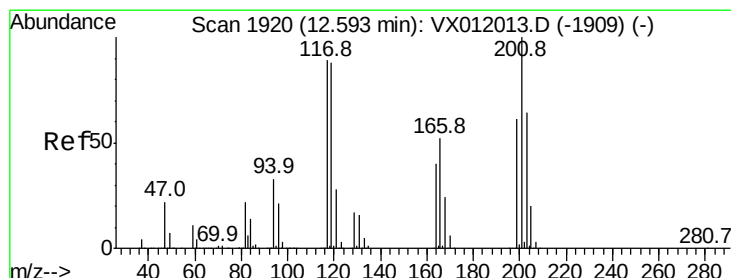
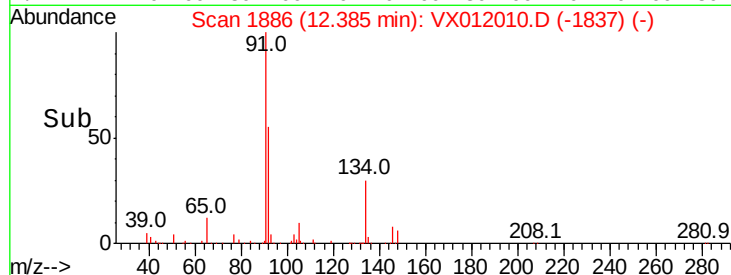
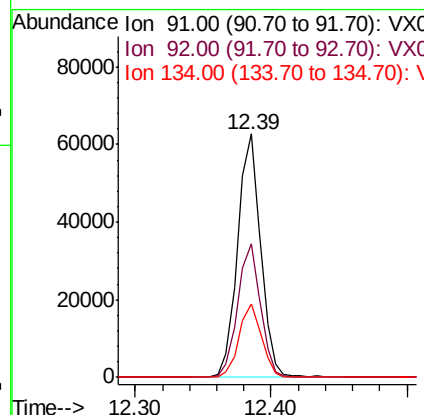
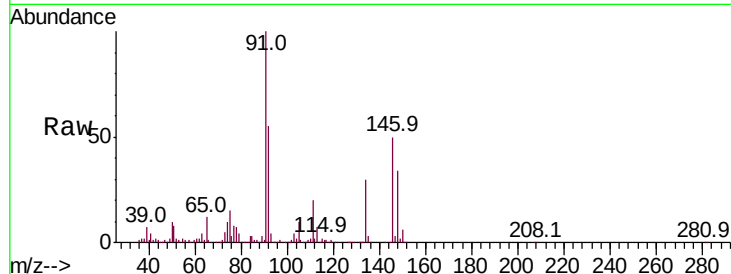
#89
n-Butylbenzene
Concen: 5.148 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	29.7	15.4	46.1

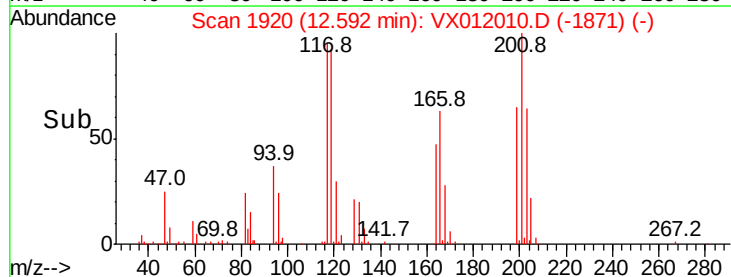
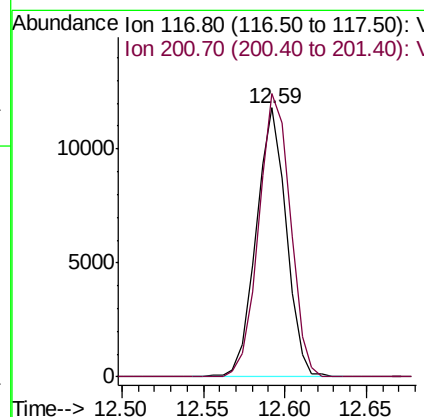
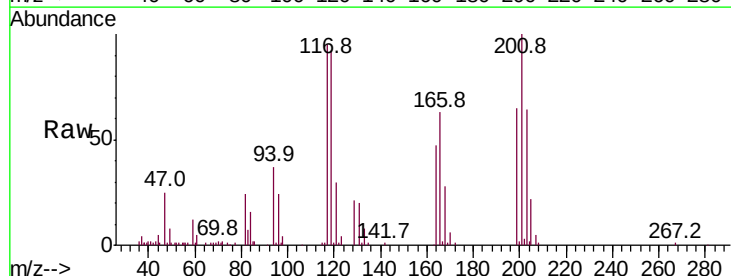
Manual Integrations
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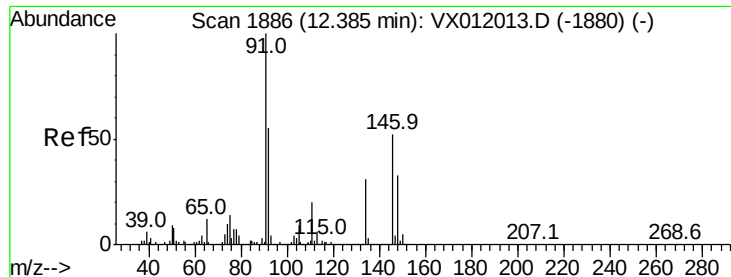
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#90
Hexachloroethane
Concen: 4.901 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	110.1	55.0	165.2





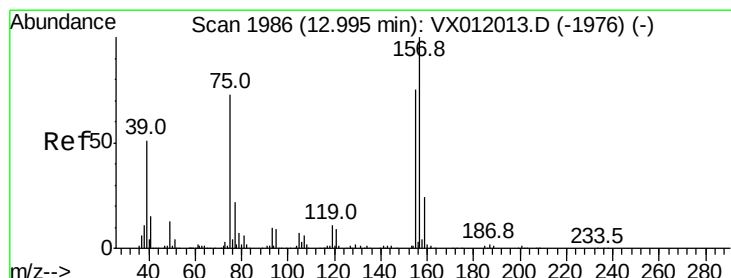
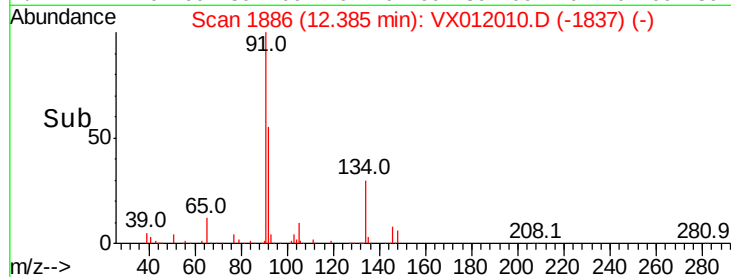
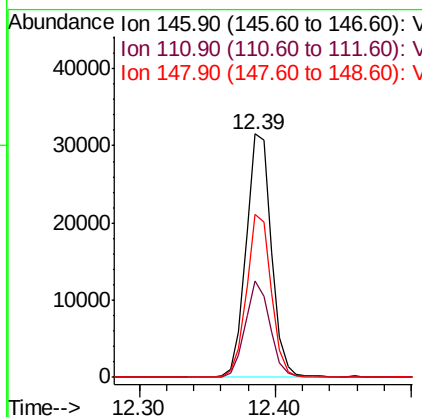
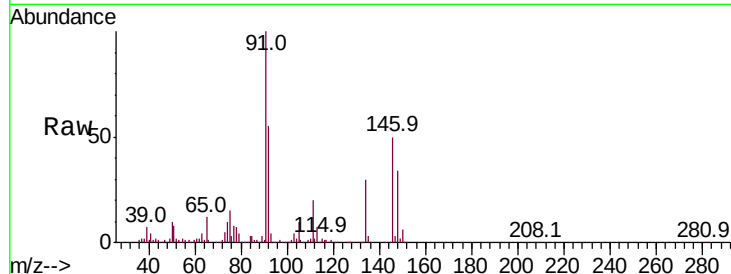
#91
 1,2-Dichlorobenzene
 Concen: 5.030 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	56.0
148	65.3	32.4	97.2

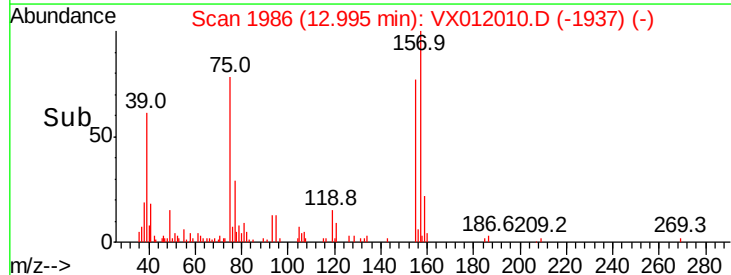
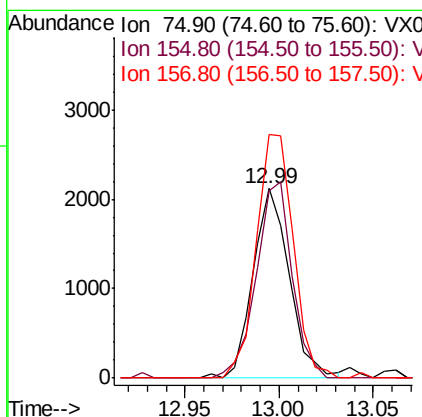
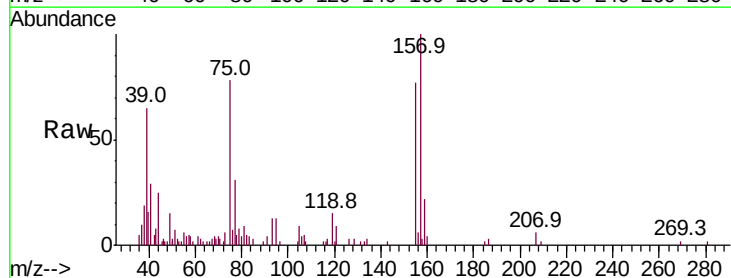
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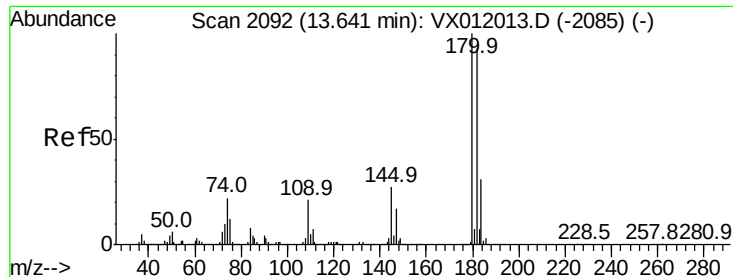
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.777 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	51.7	155.2
157	131.2	66.9	200.7





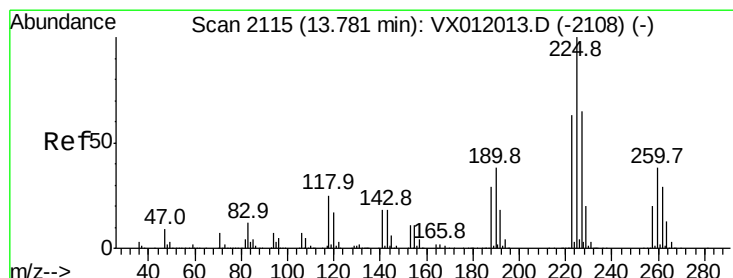
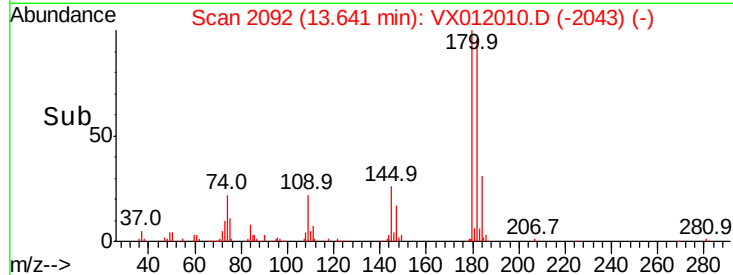
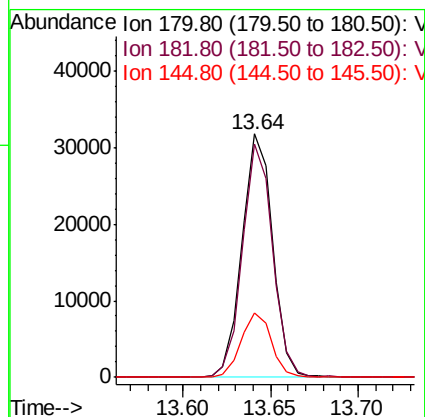
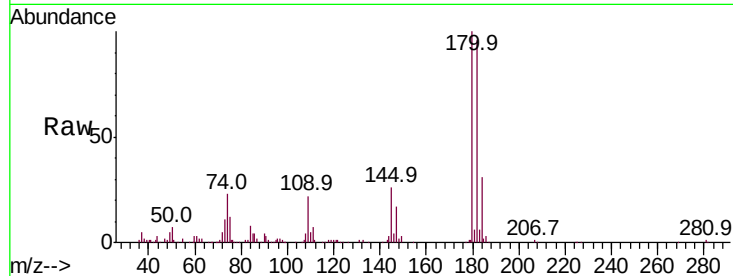
#93
 1,2,4-Trichlorobenzene
 Concen: 5.446 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	180	Resp:	38650
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	142.0
145	26.3	13.7	41.0

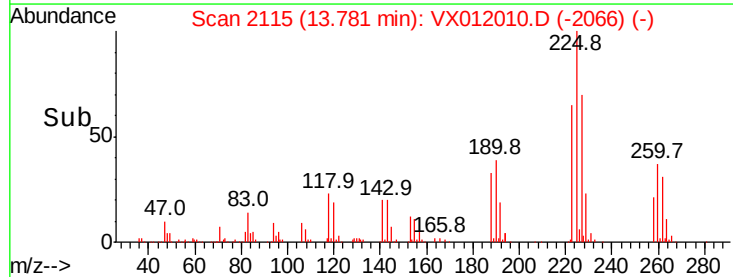
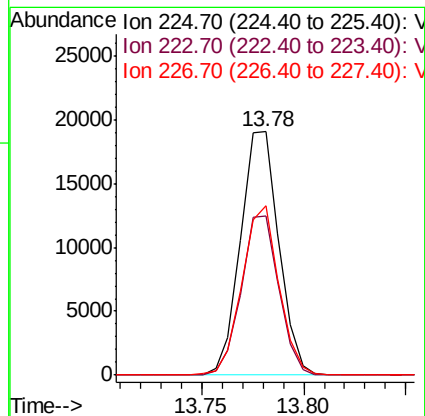
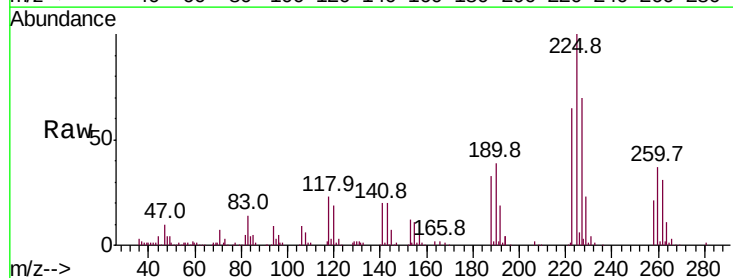
Manual Integrations
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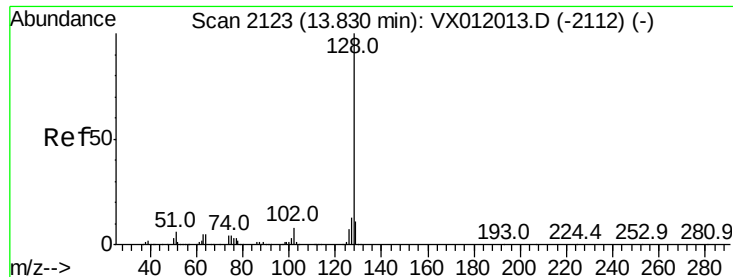
sam
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#94
 Hexachlorobutadiene
 Concen: 5.009 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012010.D
 Acq: 02 Sep 2019 12:00

Tgt Ion:	225	Resp:	24839
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.6	95.0
227	67.0	32.5	97.5





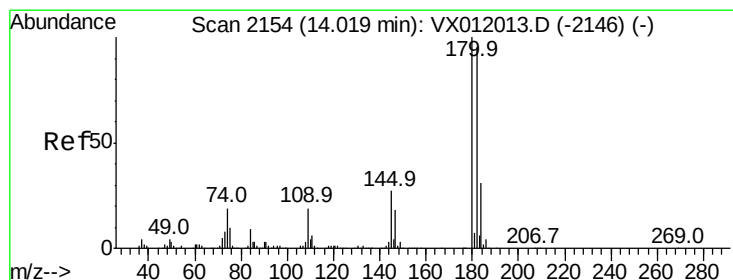
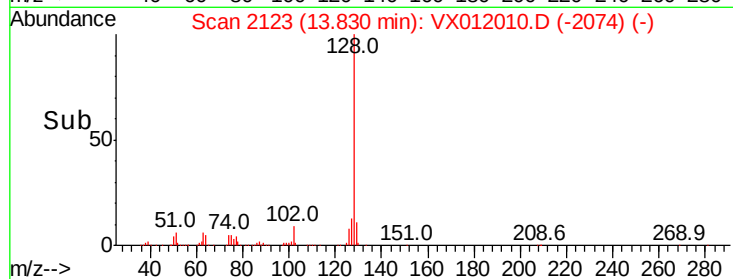
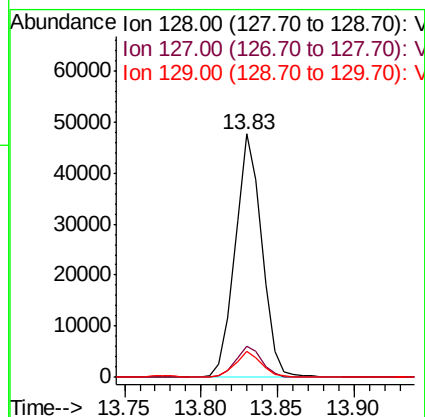
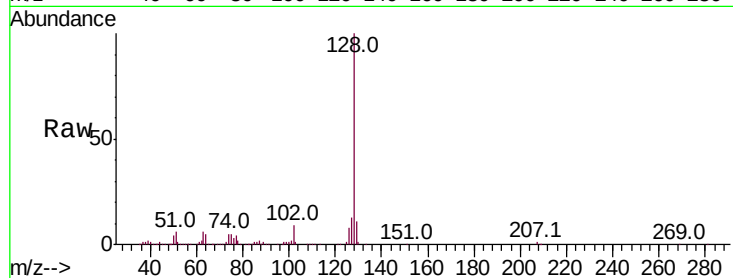
#95
Naphthalene
Concen: 5.244 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
APPROVED

sam
9/3/2019 2:15:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.473 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012010.D
Acq: 02 Sep 2019 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	29.8	14.1	42.4

