

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041320\
 Data File : VX015645.D
 Acq On : 13 Apr 2020 16:26
 Operator : JC/SP
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:11:52 AM

Quant Time: Apr 13 18:43:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1122214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1673608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1536808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	817953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	728033	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	5.47	113	548697	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	8.70	98	1929065	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.12	95	776749	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	156667	15.846	ug/l	99
3) Chloromethane	1.31	50	212998	16.917	ug/l	97
4) Vinyl Chloride	1.39	62	207630	17.959	ug/l	100
5) Bromomethane	1.63	94	144128	22.615	ug/l	100
6) Chloroethane	1.71	64	134804	18.800	ug/l	98
7) Trichlorofluoromethane	1.92	101	275862	17.792	ug/l	95
8) Diethyl Ether	2.17	74	124797	19.083	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	174737	17.288	ug/l	98
10) Methyl Iodide	2.49	142	203819	14.957	ug/l	98
11) Tert butyl alcohol	3.01	59	294472	77.729	ug/l	100
12) 1,1-Dichloroethene	2.36	96	179444	16.937	ug/l	99
13) Acrolein	2.27	56	102305	47.406	ug/l	98
14) Allyl chloride	2.71	41	412606	16.667	ug/l	99
15) Acrylonitrile	3.12	53	658479	91.142	ug/l	100
16) Acetone	2.42	43	597645	87.890	ug/l	100
17) Carbon Disulfide	2.55	76	493614	15.273	ug/l	97
18) Methyl Acetate	2.75	43	321498	18.524	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	751024	18.277	ug/l	99
20) Methylene Chloride	2.84	84	217940	17.159	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	202536	17.225	ug/l	94
22) Diisopropyl ether	3.83	45	805265	18.357	ug/l	98
23) Vinyl Acetate	3.79	43	3616314	91.051	ug/l	99
24) 1,1-Dichloroethane	3.67	63	402819	17.441	ug/l	100
25) 2-Butanone	4.64	43	957447	87.553	ug/l	98
26) 2,2-Dichloropropane	4.56	77	317416	16.743	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	242279	17.810	ug/l	99
28) Bromochloromethane	4.98	49	212024	19.227	ug/l	98
29) Tetrahydrofuran	5.09	42	613582	87.277	ug/l	98
30) Chloroform	5.19	83	400428	18.020	ug/l	95
31) Cyclohexane	5.55	56	324808	16.211	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	347141	17.262	ug/l	99
36) 1,1-Dichloropropene	5.77	75	277821	18.016	ug/l	99
37) Ethyl Acetate	4.80	43	377558	18.804	ug/l	99
38) Carbon Tetrachloride	5.76	117	298606	17.878	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
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 ClientSampleID :
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Manual Integrations
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Quant Time: Apr 13 18:43:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	311869	17.541	ug/l	98
40) Benzene	6.12	78	858230	19.000	ug/l	99
41) Methacrylonitrile	5.01	41	212717	19.085	ug/l	97
42) 1,2-Dichloroethane	6.17	62	355434	19.589	ug/l	100
43) Isopropyl Acetate	6.42	43	630529	18.603	ug/l	99
44) Trichloroethene	7.19	130	233376	18.944	ug/l	92
45) 1,2-Dichloropropane	7.49	63	233033	18.859	ug/l	100
46) Dibromomethane	7.64	93	154326	19.039	ug/l	95
47) Bromodichloromethane	7.88	83	319098	18.475	ug/l	98
48) Methyl methacrylate	7.75	41	315515	18.636	ug/l	98
49) 1,4-Dioxane	7.72	88	113530	359.467	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1880559	97.901	ug/l	100
52) Toluene	8.77	92	530567	19.052	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	360876	17.815	ug/l	94
54) cis-1,3-Dichloropropene	8.42	75	383901	18.604	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	231011	20.247	ug/l	97
56) Ethyl methacrylate	9.16	69	374488	18.624	ug/l	99
57) 1,3-Dichloropropane	9.36	76	395637	19.246	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	1006462	102.902	ug/l	100
59) 2-Hexanone	9.48	43	1421532	98.022	ug/l	100
60) Dibromochloromethane	9.57	129	262813	19.169	ug/l	99
61) 1,2-Dibromoethane	9.65	107	240576	19.391	ug/l	99
64) Tetrachloroethene	9.32	164	209148	18.033	ug/l	93
65) Chlorobenzene	10.12	112	581407	18.970	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	234113	19.120	ug/l	99
67) Ethyl Benzene	10.24	91	1006668	18.519	ug/l	98
68) m/p-Xylenes	10.34	106	766572	37.872	ug/l	99
69) o-Xylene	10.68	106	378335	18.915	ug/l	99
70) Styrene	10.70	104	663336	18.847	ug/l	99
71) Bromoform	10.84	173	206015	18.483	ug/l #	99
73) Isopropylbenzene	11.00	105	977554	18.240	ug/l	100
74) N-amyl acetate	10.88	43	532468	17.863	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	349103	18.983	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	324150m	19.271	ug/l	
77) Bromobenzene	11.24	156	279055	19.520	ug/l	93
78) n-propylbenzene	11.34	91	1095744	17.880	ug/l	99
79) 2-Chlorotoluene	11.40	91	677478	18.036	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	839194	18.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	115057	16.413	ug/l	95
82) 4-Chlorotoluene	11.50	91	809208	18.377	ug/l	100
83) tert-Butylbenzene	11.76	119	844942	18.899	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	860981	18.459	ug/l	100
85) sec-Butylbenzene	11.93	105	945945	18.294	ug/l	100
86) p-Isopropyltoluene	12.05	119	892356	18.590	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	492468	19.243	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	494845	18.983	ug/l	99
89) n-Butylbenzene	12.37	91	781686	18.020	ug/l	99
90) Hexachloroethane	12.58	117	152921	16.367	ug/l	89
91) 1,2-Dichlorobenzene	12.38	146	491925	19.642	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.98	75	84834	16.344	ug/l	95

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

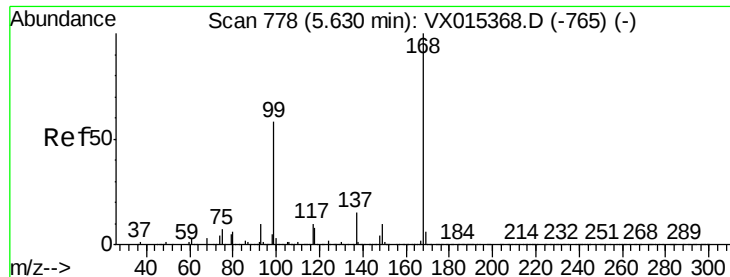
Manual Integrations
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Quant Time: Apr 13 18:43:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	374218	18.890	ug/l	97
94) Hexachlorobutadiene	13.77	225	177274	18.795	ug/l	97
95) Naphthalene	13.82	128	1166027	19.296	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	372913	19.551	ug/l	99

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



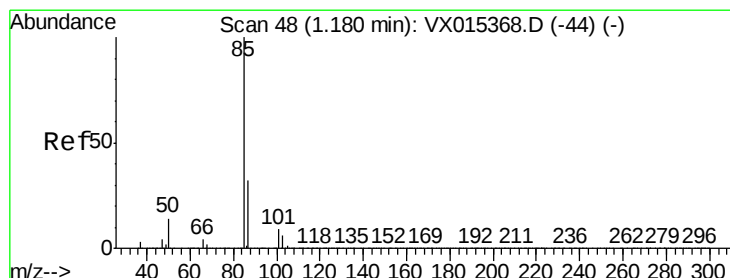
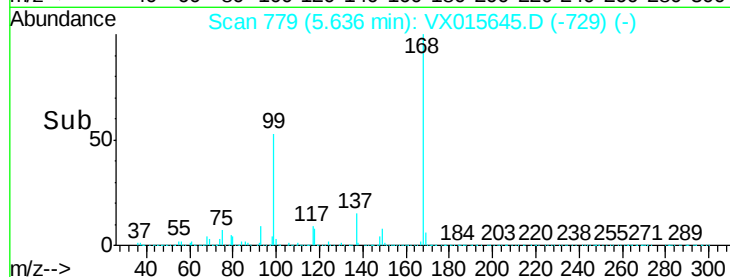
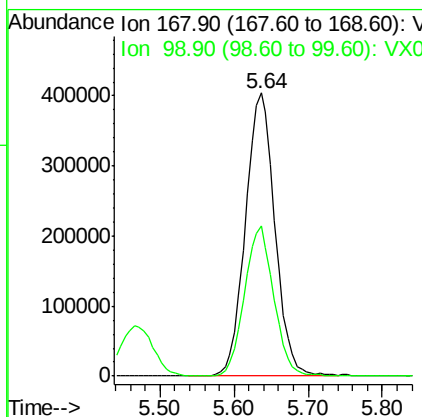
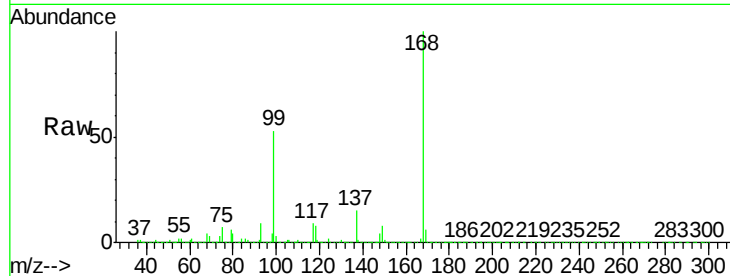
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.01 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion:168 Resp: 1122214
Ion Ratio Lower Upper
168 100
99 53.0 46.4 69.6

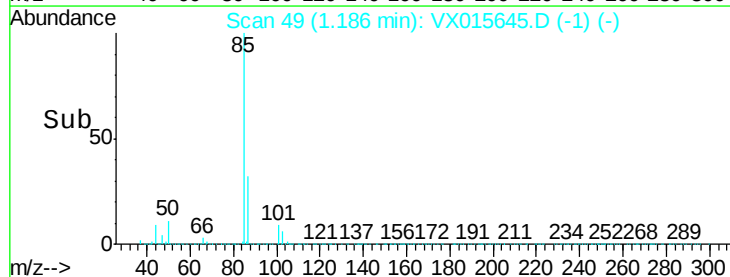
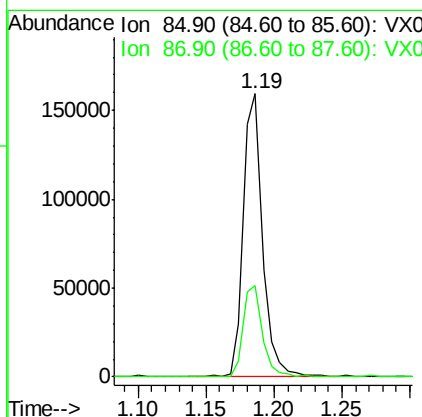
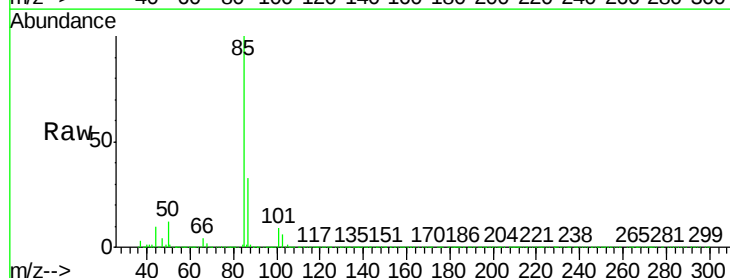
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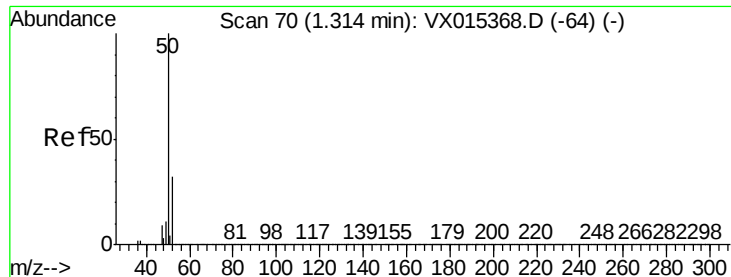
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#2
Dichlorodifluoromethane
Concen: 15.846 ug/l
RT: 1.19 min Scan# 49
Delta R.T. 0.01 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion: 85 Resp: 156667
Ion Ratio Lower Upper
85 100
87 32.5 16.0 47.9





#3

Chloromethane

Concen: 16.917 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 50 Resp: 212998

Ion Ratio Lower Upper

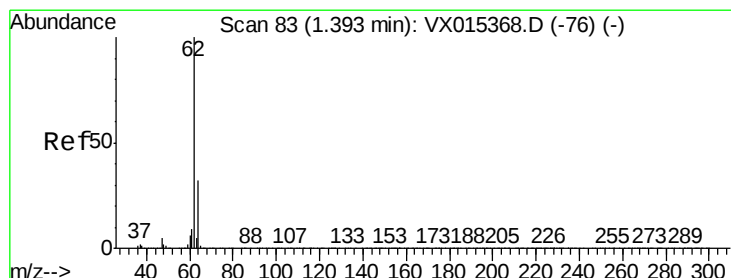
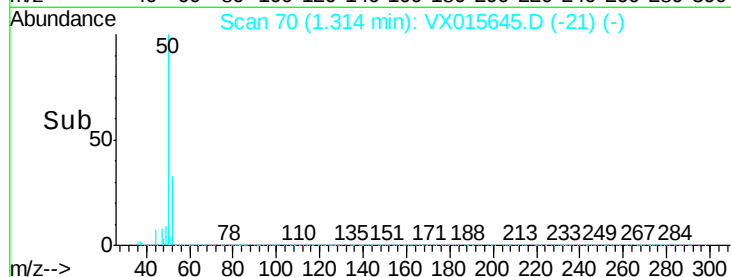
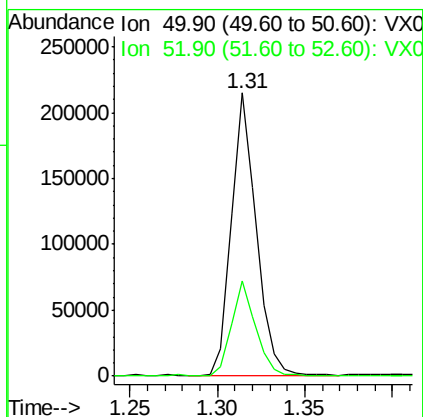
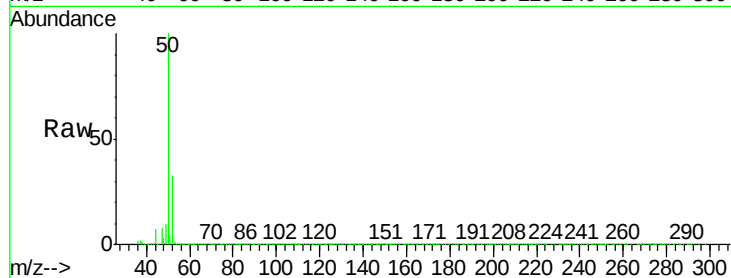
50 100

52 33.3 25.3 37.9

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#4

Vinyl Chloride

Concen: 17.959 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015645.D

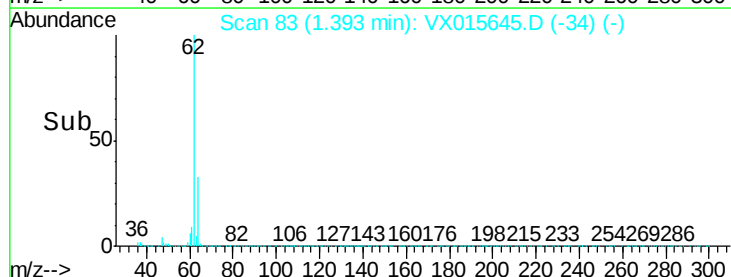
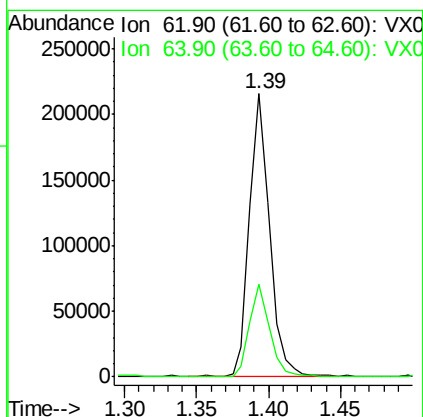
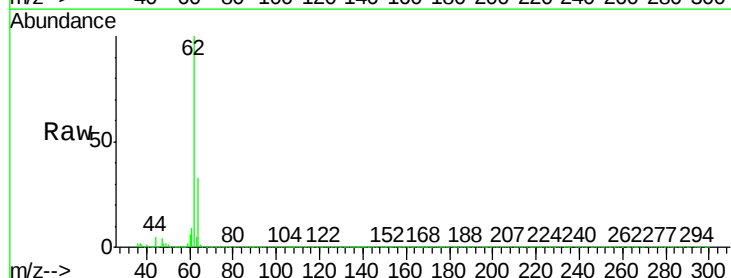
Acq: 13 Apr 2020 16:26

Tgt Ion: 62 Resp: 207630

Ion Ratio Lower Upper

62 100

64 32.7 26.0 39.0





#5

Bromomethane

Concen: 22.615 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 94 Resp: 144128

Ion Ratio Lower Upper

94 100

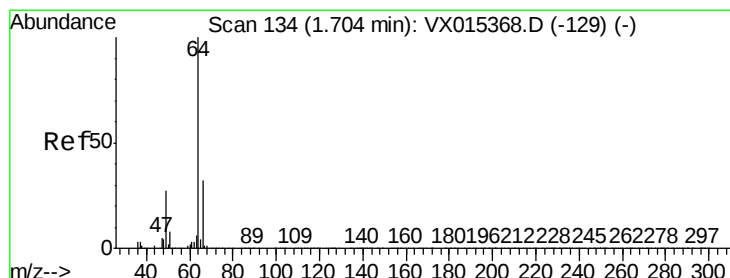
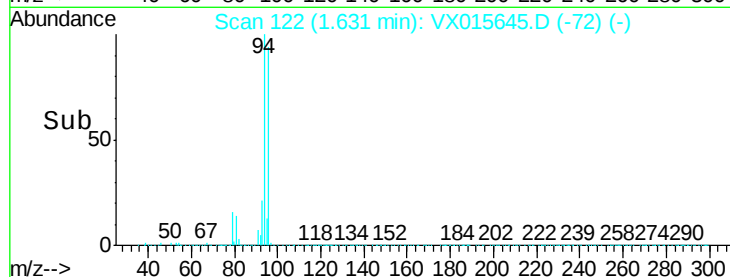
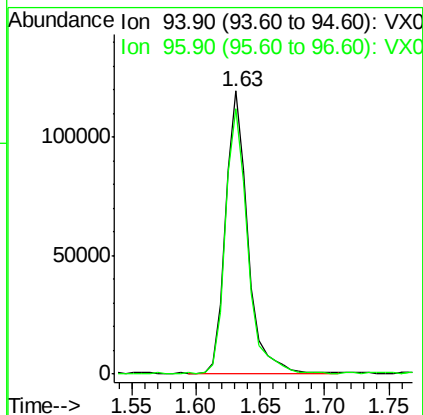
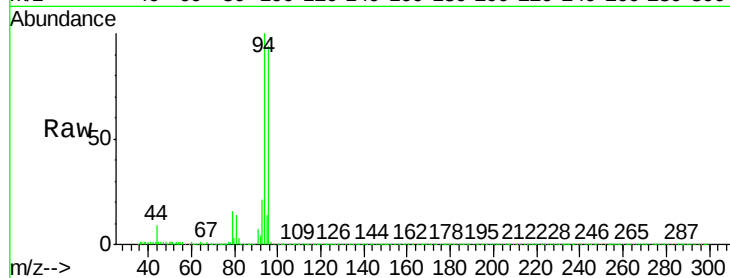
96 93.7 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 18.800 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX015645.D

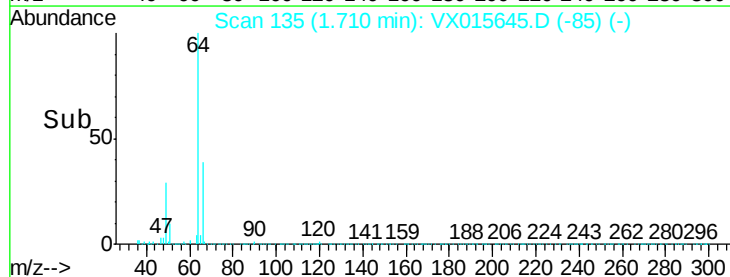
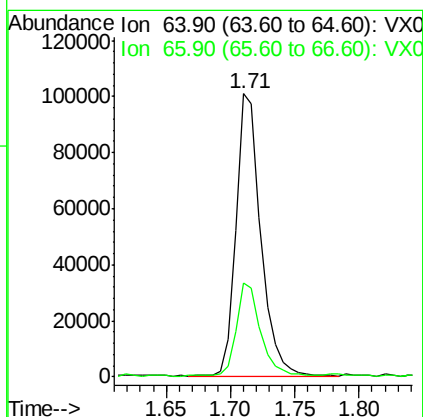
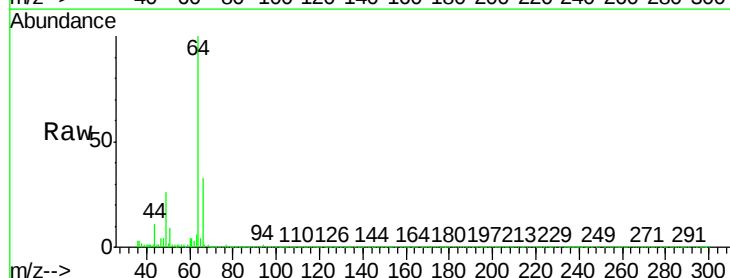
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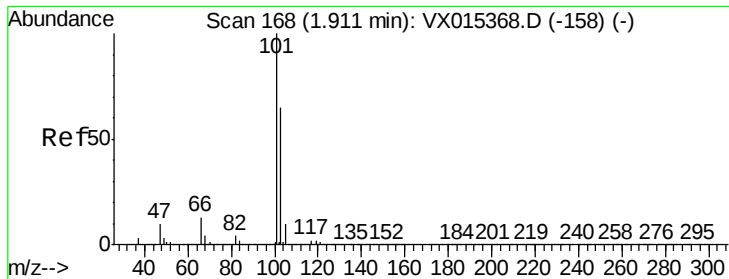
Tgt Ion: 64 Resp: 134804

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.2





#7

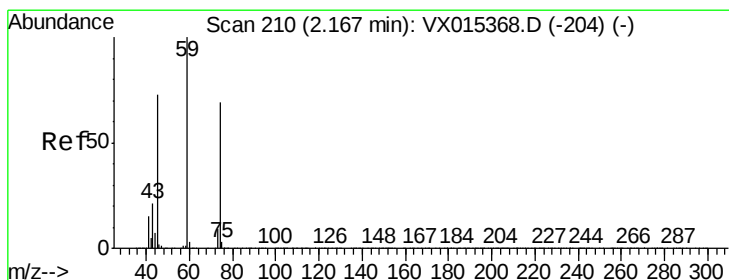
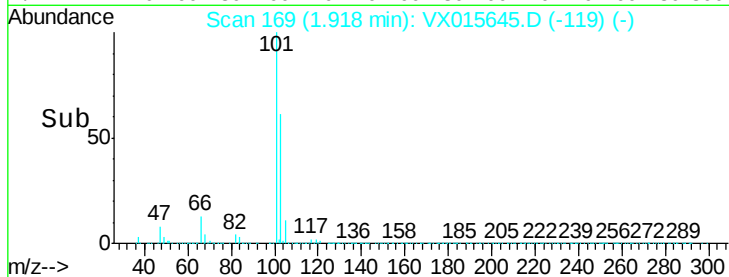
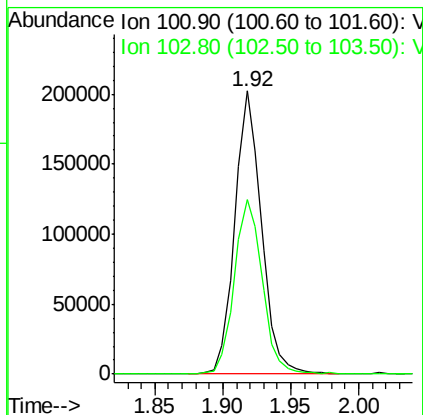
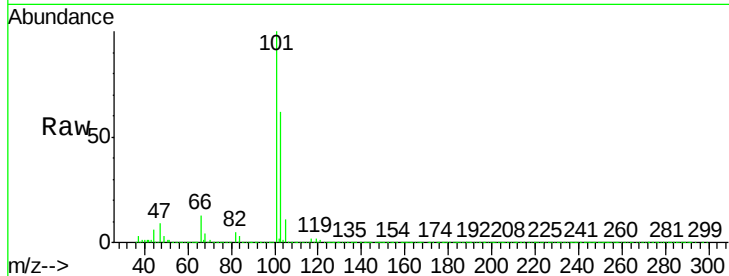
Trichlorofluoromethane
Concen: 17.792 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
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ClientSampleId :
VX0413WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		275862		
103	61.4	52.3	78.5		

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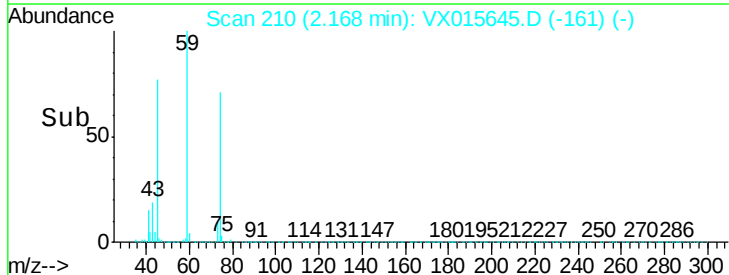
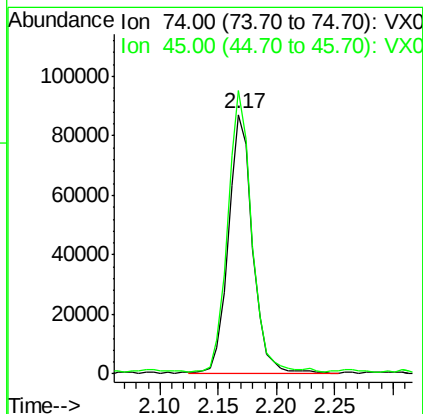
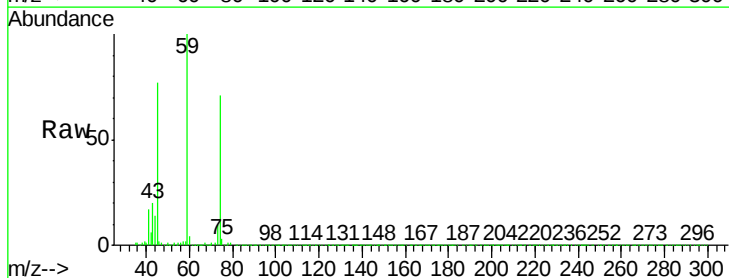
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#8

Diethyl Ether
Concen: 19.083 ug/l
RT: 2.17 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		124797		
45	107.5	53.8	161.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.288 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

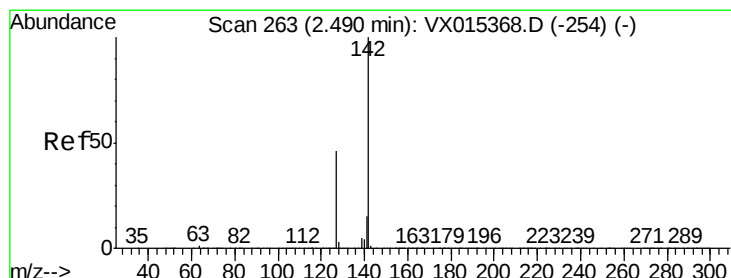
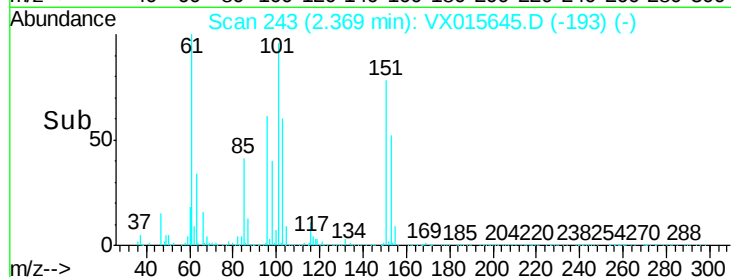
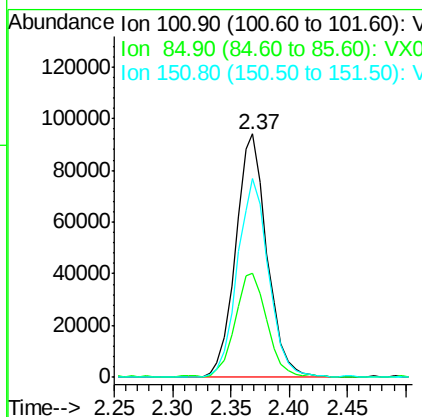
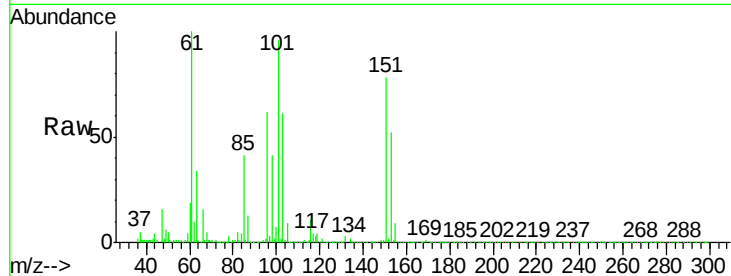
ClientSampleId :

VX0413WBSD01

Tot Ion:	101	Resp:	174737
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.0	52.4
151	82.0	64.1	96.1

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#10

Methyl Iodide

Concen: 14.957 ug/l

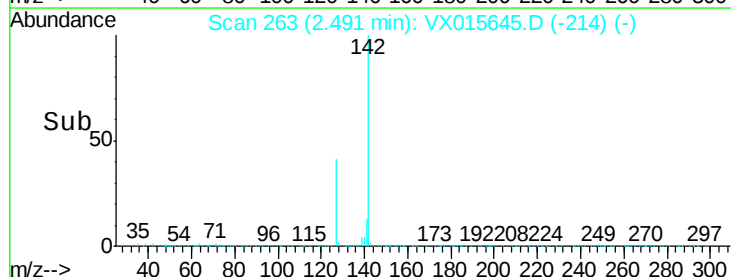
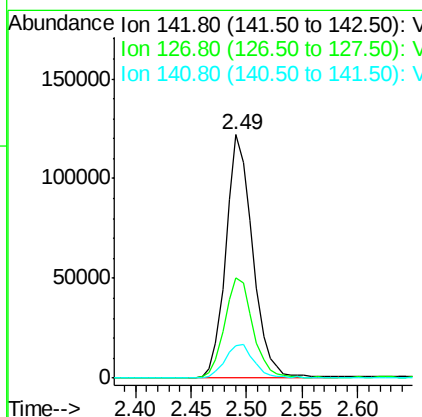
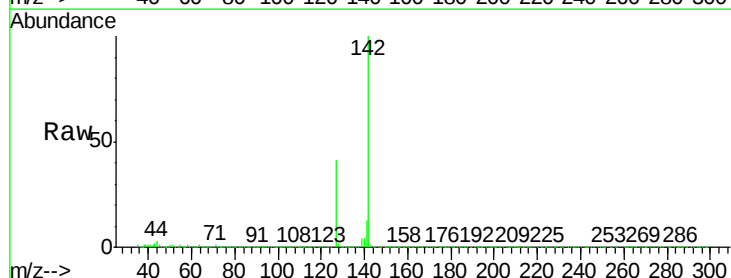
RT: 2.49 min Scan# 263

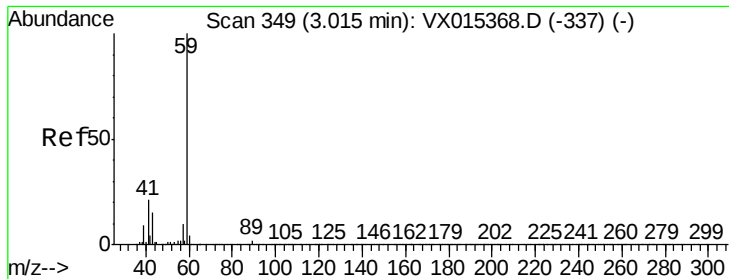
Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion:	142	Resp:	203819
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.9	53.9
141	14.7	11.6	17.4





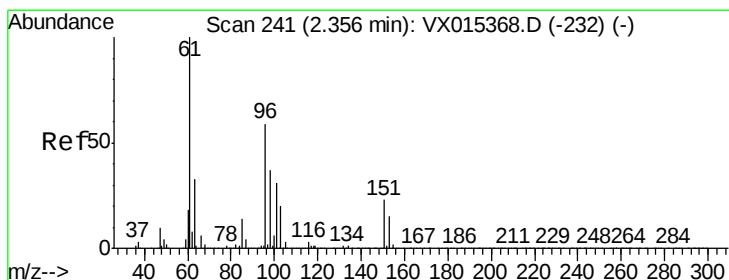
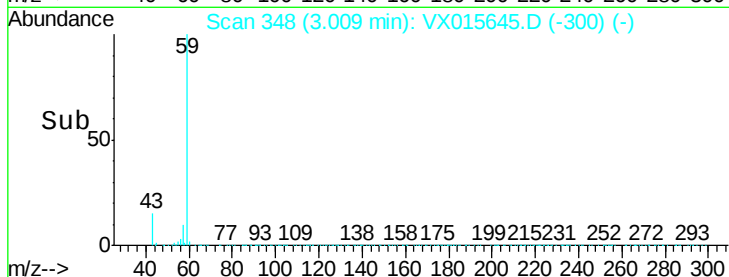
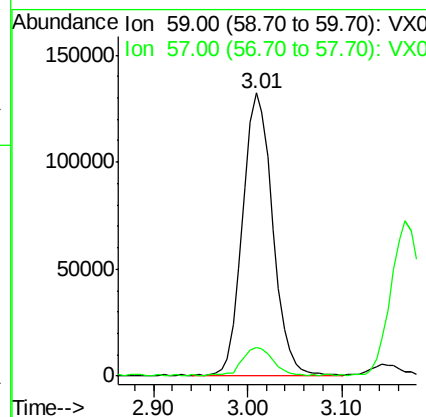
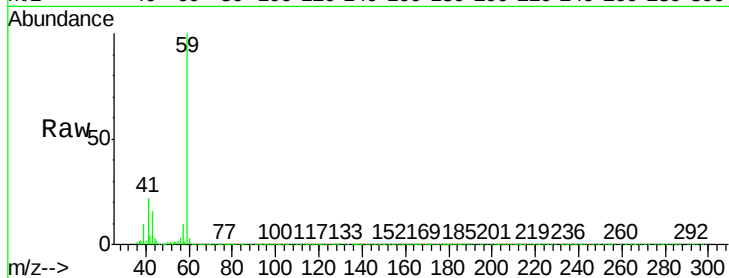
#11
Tert butyl alcohol
Concen: 77.729 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

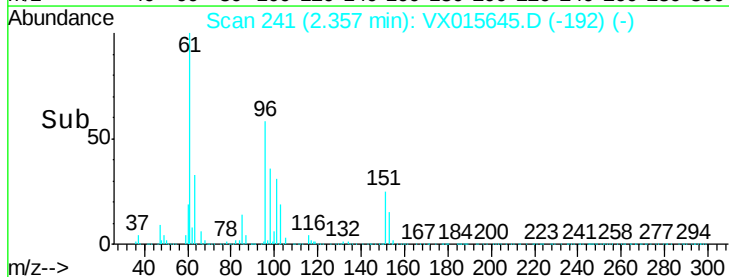
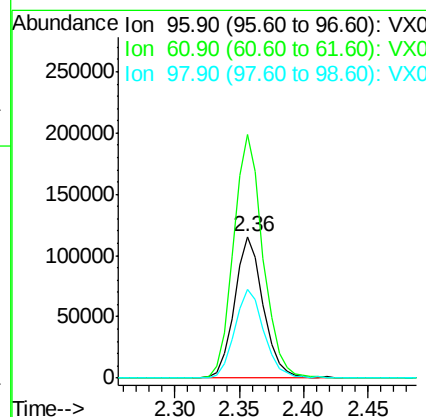
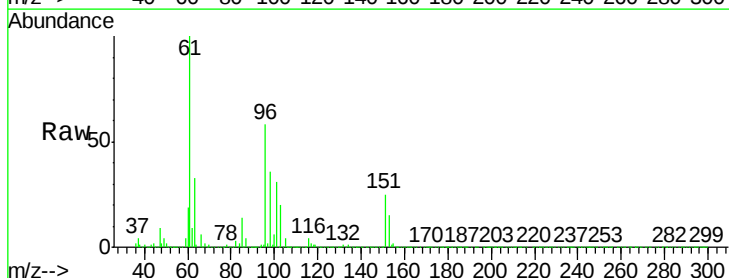
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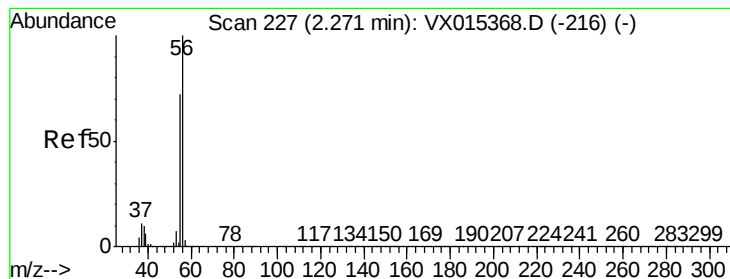
MMDadoda
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#12
1,1-Dichloroethene
Concen: 16.937 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	135.7	203.5
98	62.4	50.6	75.8





#13

Acrolein

Concen: 47.406 ug/l

RT: 2.27 min Scan# 227

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 56 Resp: 102305

Ion Ratio Lower Upper

56 100

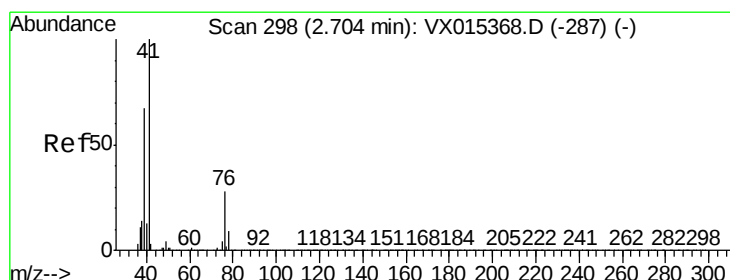
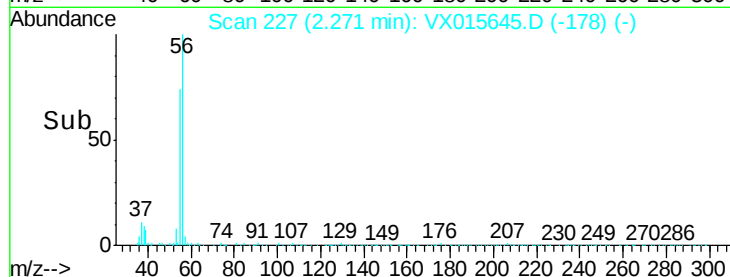
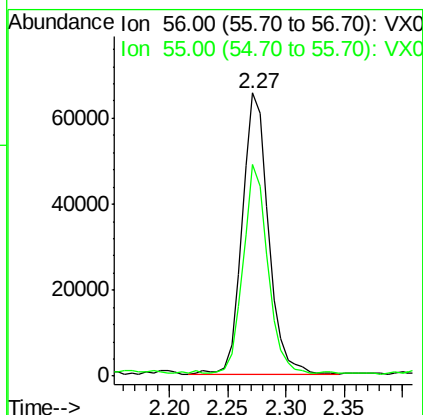
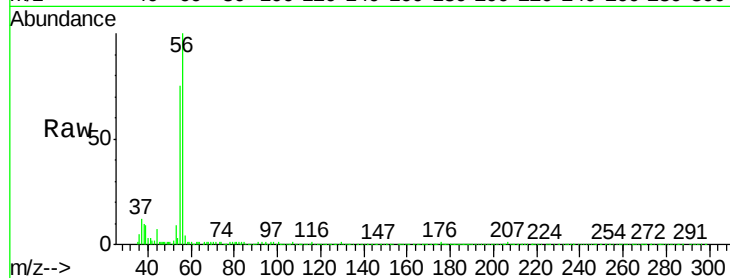
55 69.3 57.0 85.4

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#14

Allyl chloride

Concen: 16.667 ug/l

RT: 2.71 min Scan# 299

Delta R.T. 0.01 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

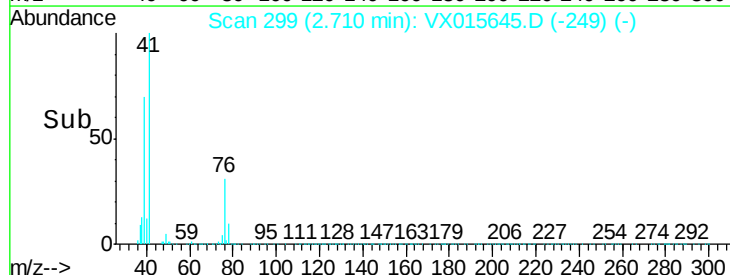
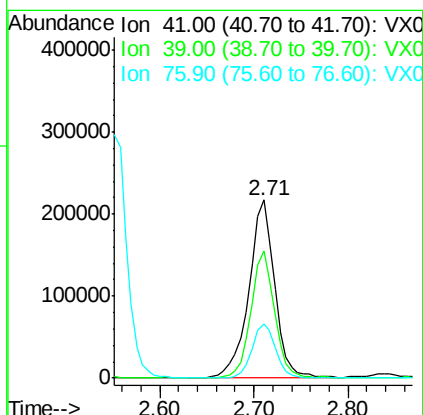
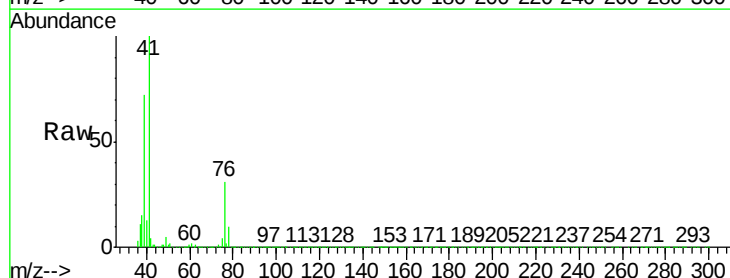
Tgt Ion: 41 Resp: 412606

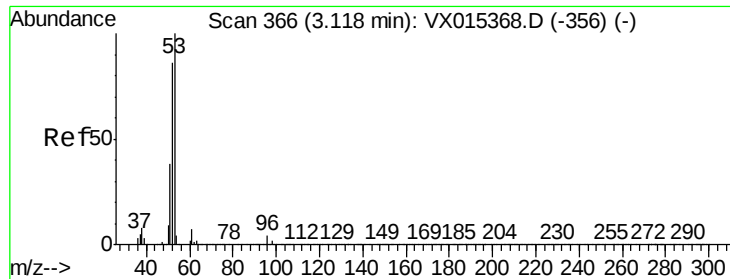
Ion Ratio Lower Upper

41 100

39 65.2 51.4 77.0

76 27.8 21.8 32.8





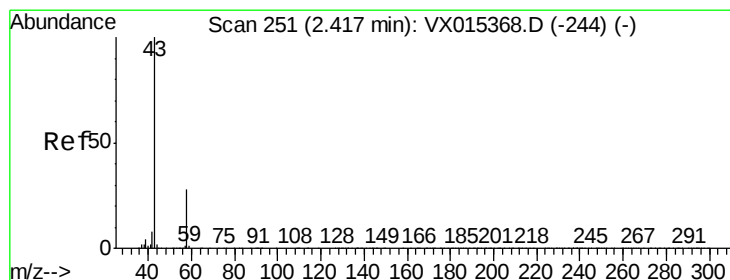
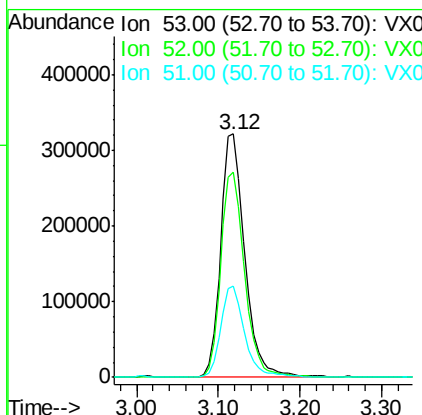
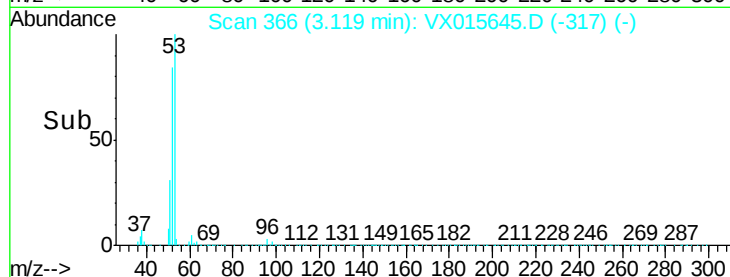
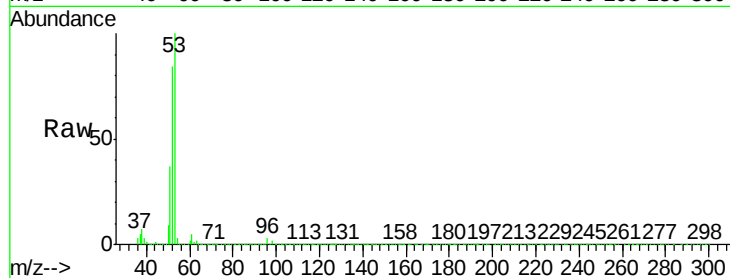
#15
Acrylonitrile
Concen: 91.142 ug/l
RT: 3.12 min Scan# 366
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	53	Resp	658479
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.8	100.2
51	37.5	29.5	44.3

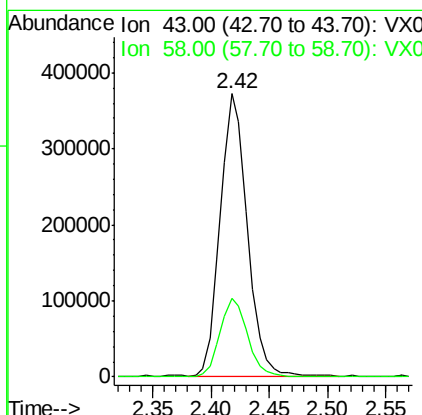
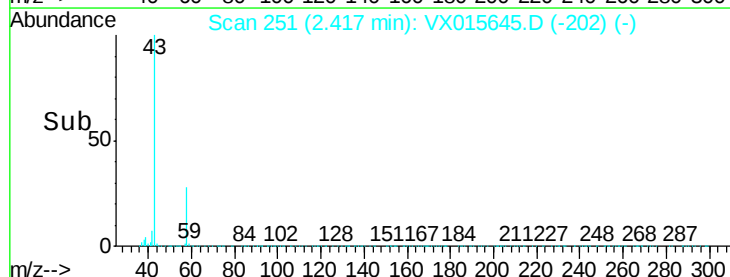
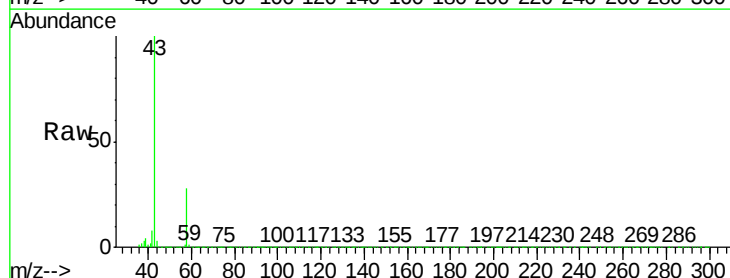
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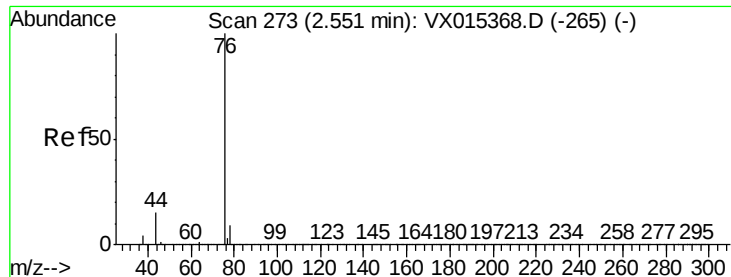
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#16
Acetone
Concen: 87.890 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	43	Resp	597645
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





#17

Carbon Disulfide

Concen: 15.273 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 76 Resp: 493614

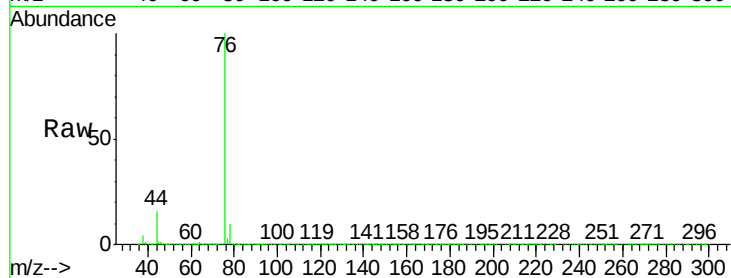
Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

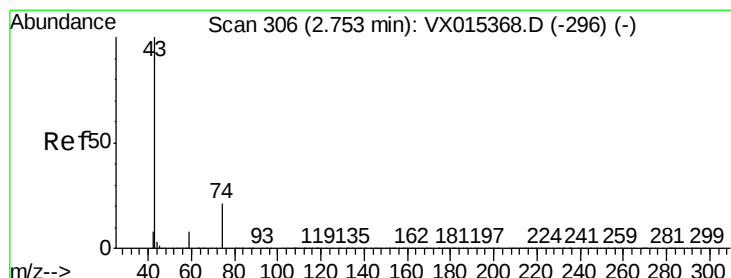
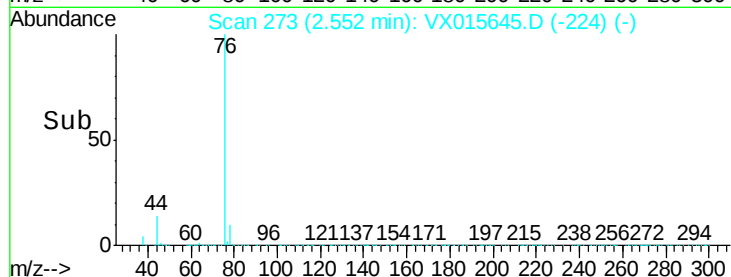
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 18.524 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015645.D

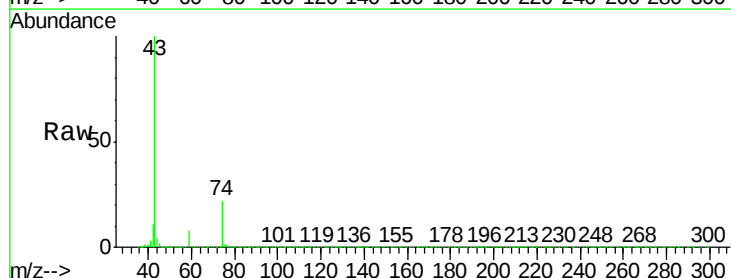
Acq: 13 Apr 2020 16:26

Tgt Ion: 43 Resp: 321498

Ion Ratio Lower Upper

43 100

74 21.1 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

200000

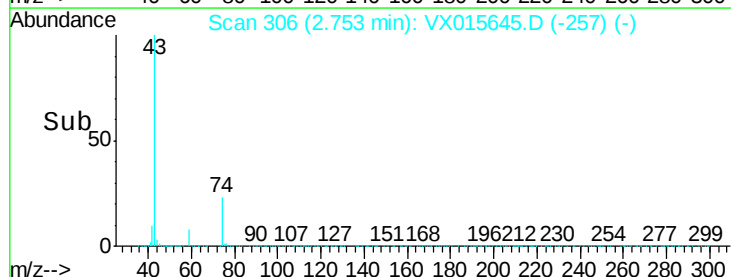
150000

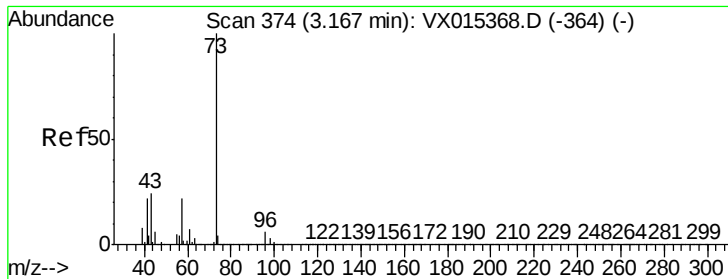
100000

50000

0

Time-->





#19

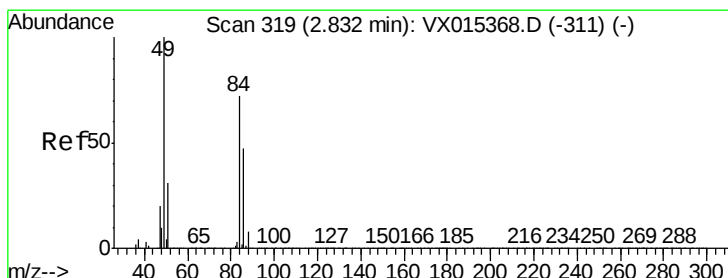
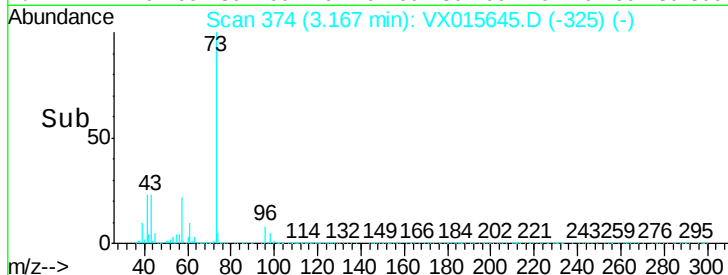
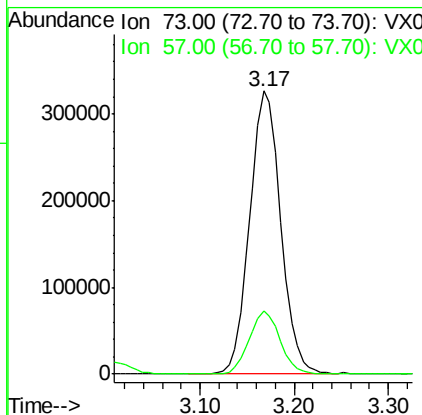
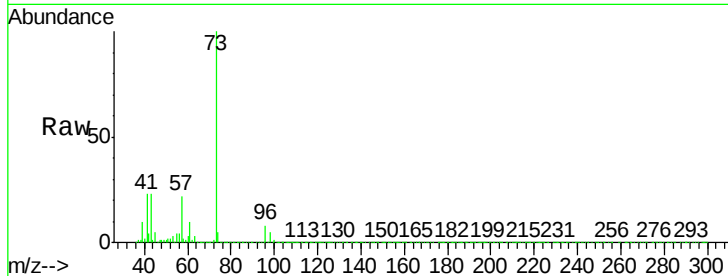
Methyl tert-butyl Ether
 Concen: 18.277 ug/l
 RT: 3.17 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.9	26.9

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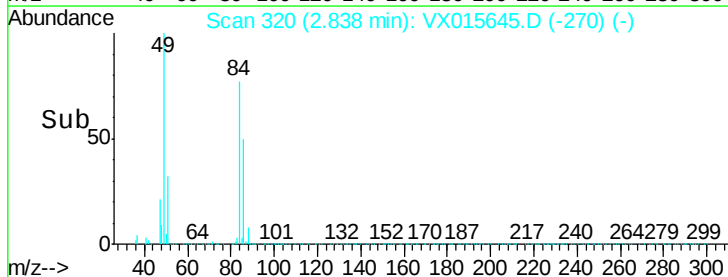
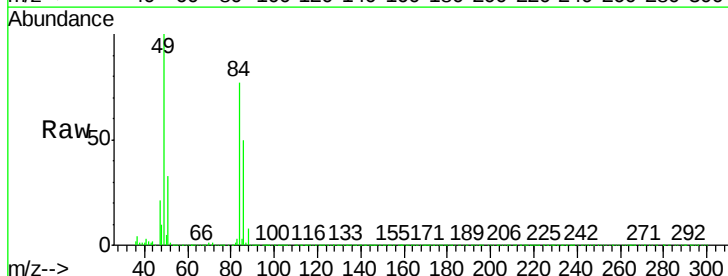
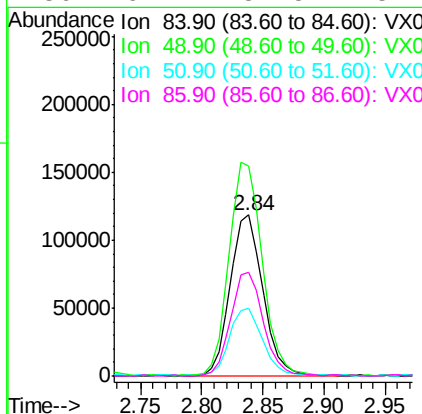
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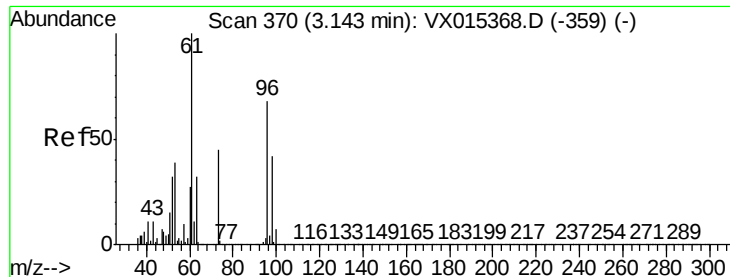


#20

Methylene Chloride
 Concen: 17.159 ug/l
 RT: 2.84 min Scan# 320
 Delta R.T. 0.01 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.3	111.3	166.9
51	42.2	34.0	51.0
86	64.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 17.225 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

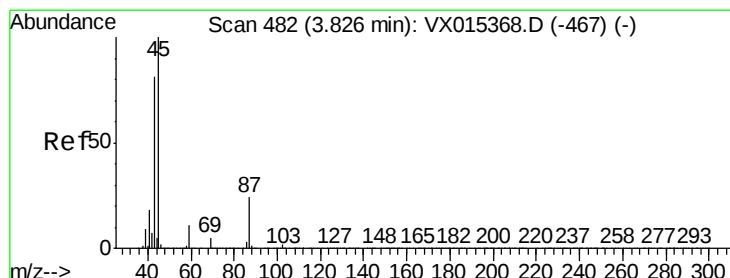
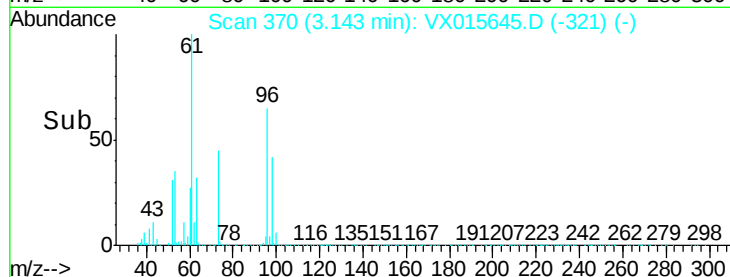
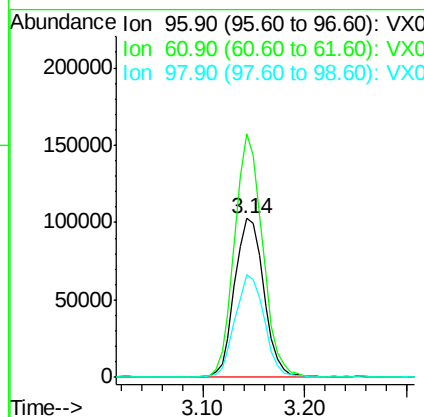
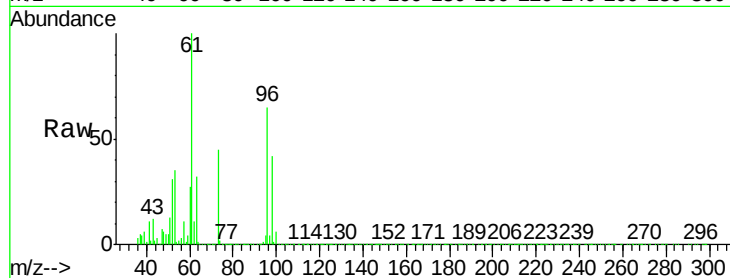
ClientSampleId :

VX0413WBSD01

Tot Ion:	96	Resp:	202536
Ion Ratio	Lower	Upper	
96	100		
61	153.2	116.9	175.3
98	64.9	48.6	73.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.357 ug/l

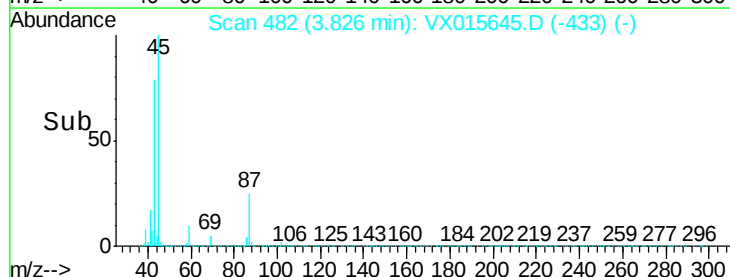
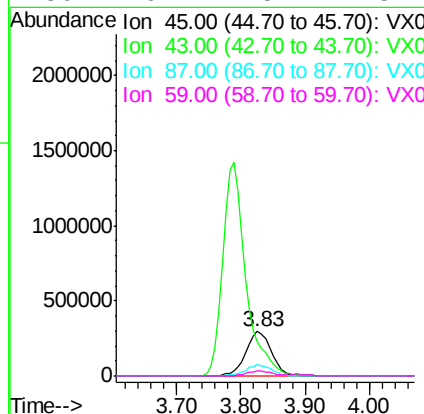
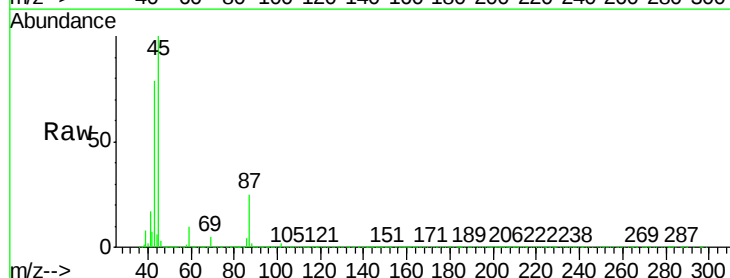
RT: 3.83 min Scan# 482

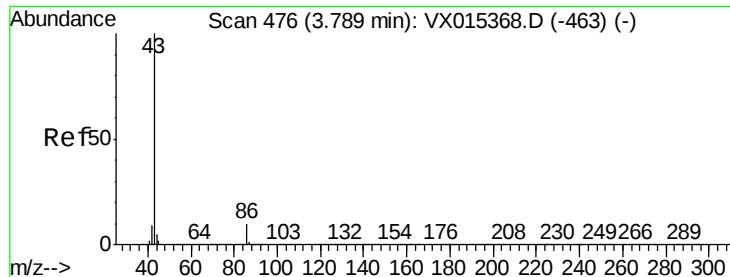
Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion:	45	Resp:	805265
Ion Ratio	Lower	Upper	
45	100		
43	78.7	64.7	97.1
87	24.9	19.4	29.0
59	10.2	8.7	13.1





#23

Vinyl Acetate

Concen: 91.051 ug/l

RT: 3.79 min Scan# 476

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 43 Resp: 3616314

Ion Ratio Lower Upper

43 100

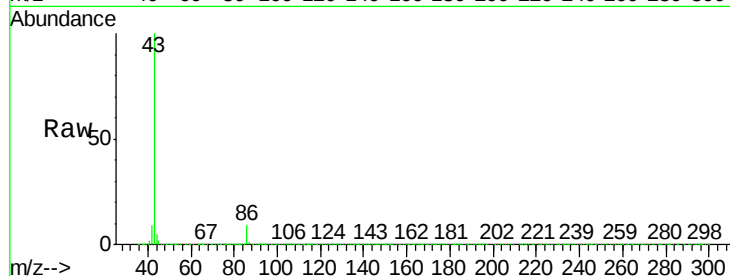
86 9.2 7.8 11.6

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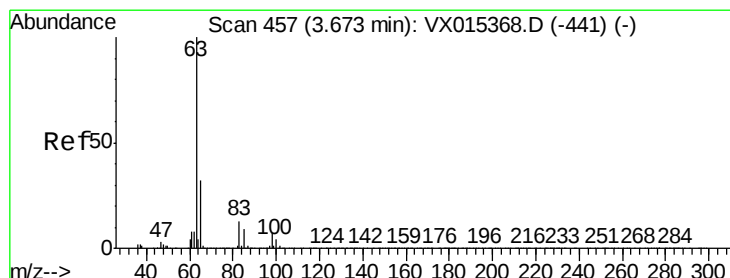
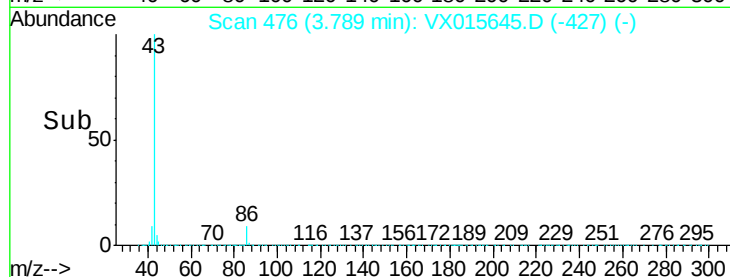
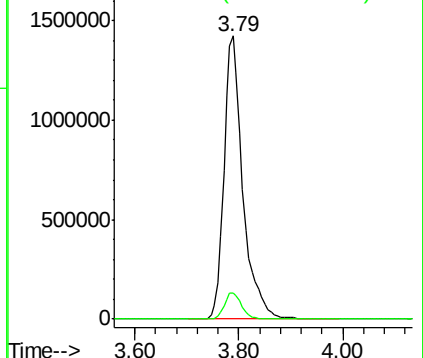
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.441 ug/l

RT: 3.67 min Scan# 457

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

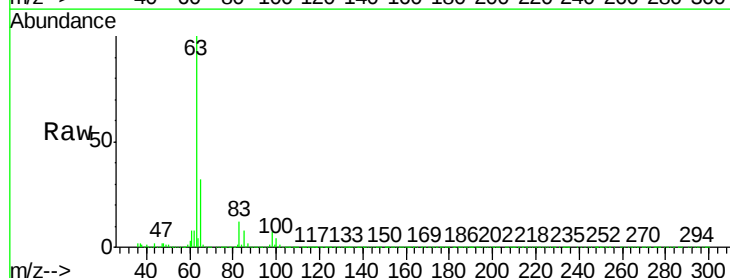
Tgt Ion: 63 Resp: 402819

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

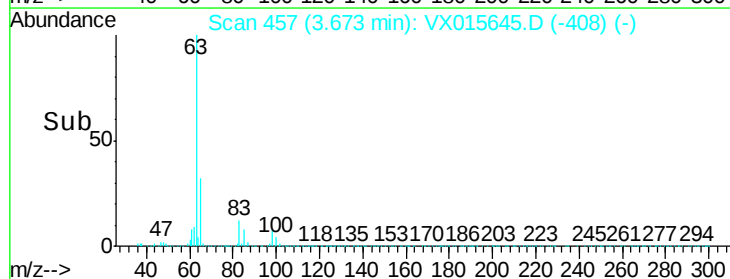
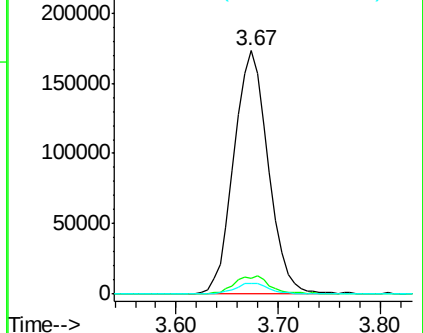
100 4.1 2.1 6.5

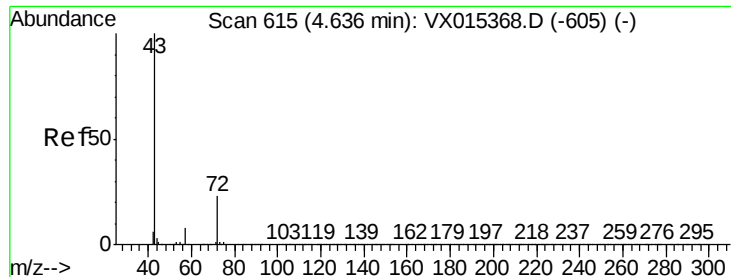


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 87.553 ug/l

RT: 4.64 min Scan# 615

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tot Ion: 43 Resp: 957447

Ion Ratio Lower Upper

43 100

72 23.0 19.0 28.4

Instrument :

MSVOA_X

ClientSampleId :

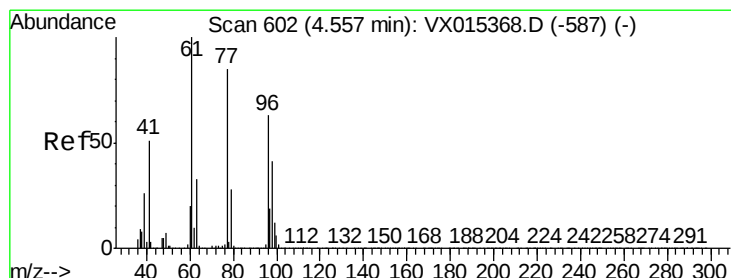
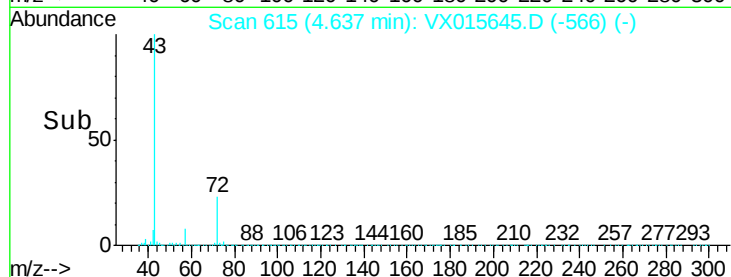
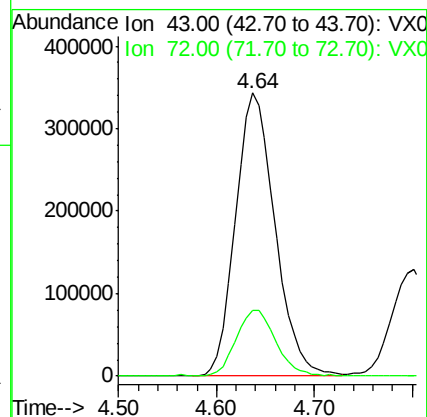
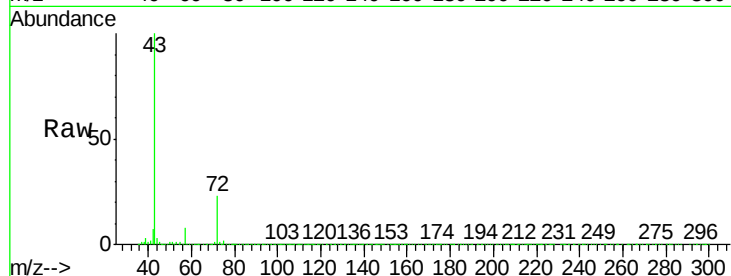
VX0413WBSD01

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#26

2,2-Dichloropropane

Concen: 16.743 ug/l

RT: 4.56 min Scan# 602

Delta R.T. 0.00 min

Lab File: VX015645.D

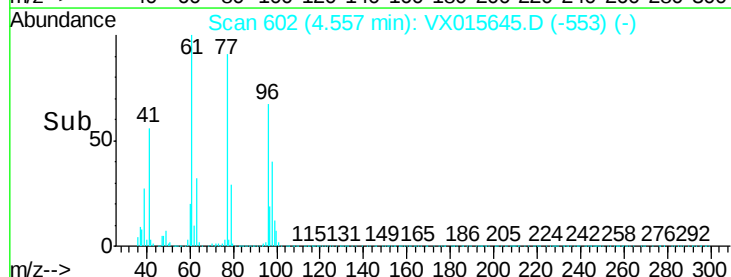
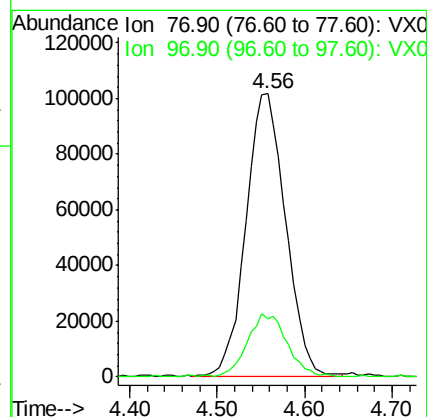
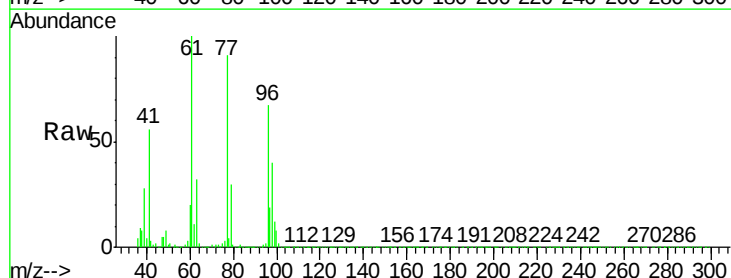
Acq: 13 Apr 2020 16:26

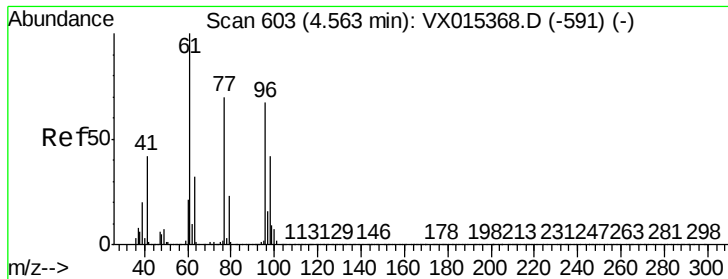
Tgt Ion: 77 Resp: 317416

Ion Ratio Lower Upper

77 100

97 21.9 11.3 33.8





#27

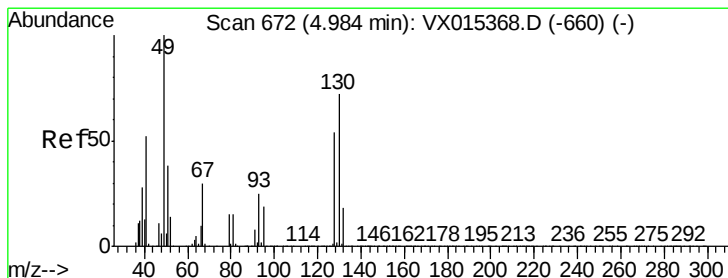
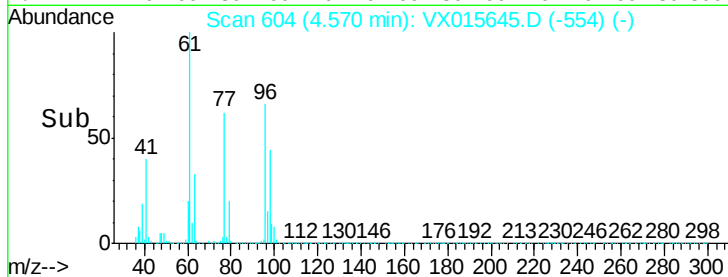
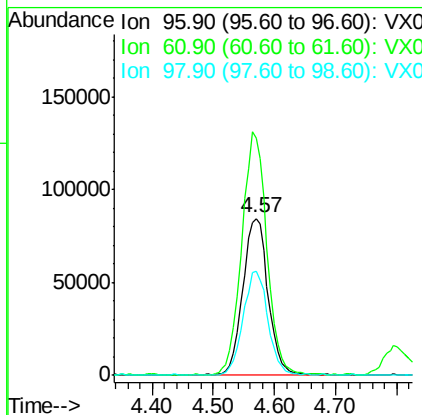
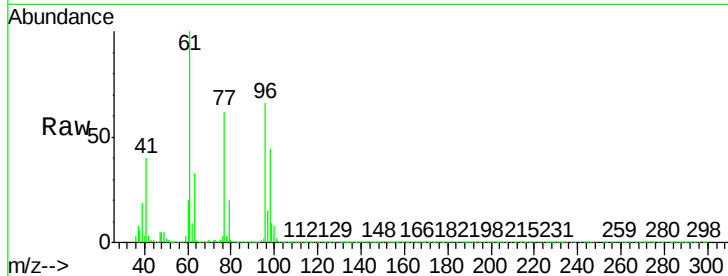
cis-1,2-Dichloroethene
Concen: 17.810 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	242279		
61	152.7		0.0	308.4
98	65.0		0.0	129.2

Manual Integrations
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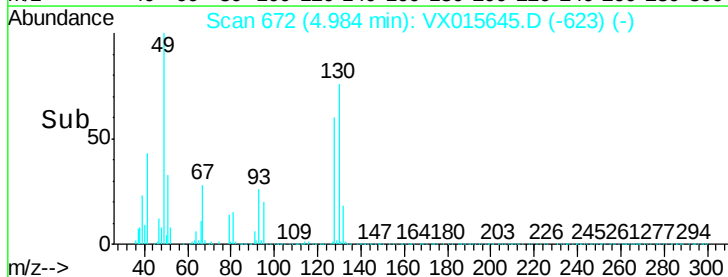
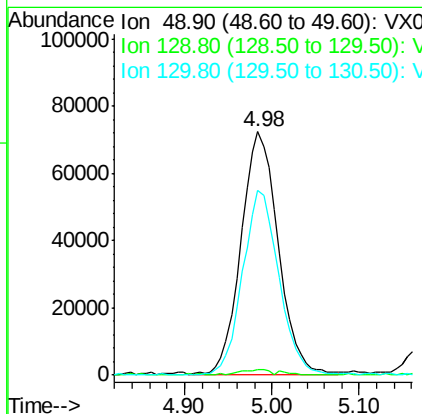
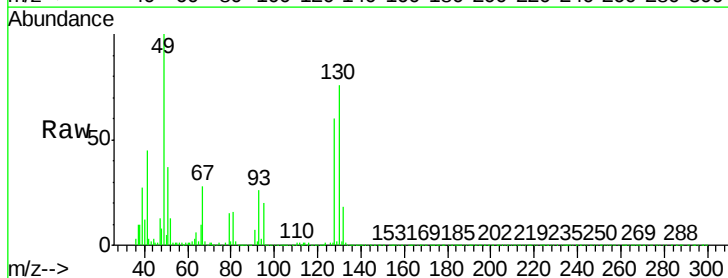
MMDadoda
4/14/2020 10:11:52 AM

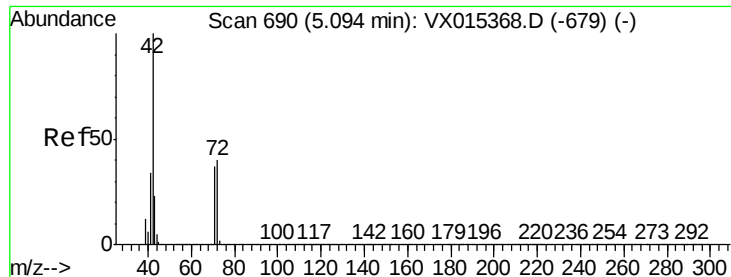


#28

Bromochloromethane
Concen: 19.227 ug/l
RT: 4.98 min Scan# 672
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	212024		
129	1.9		0.0	4.4
130	73.7		57.7	86.5





#29

Tetrahydrofuran

Concen: 87.277 ug/l

RT: 5.09 min Scan# 690

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

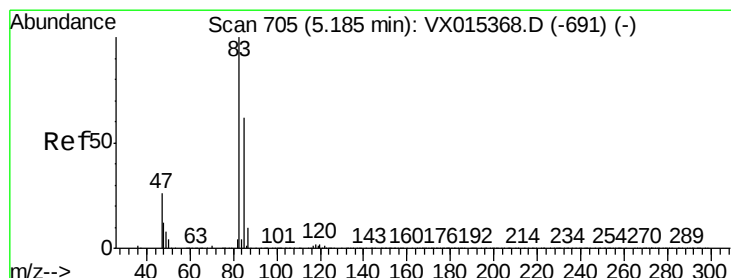
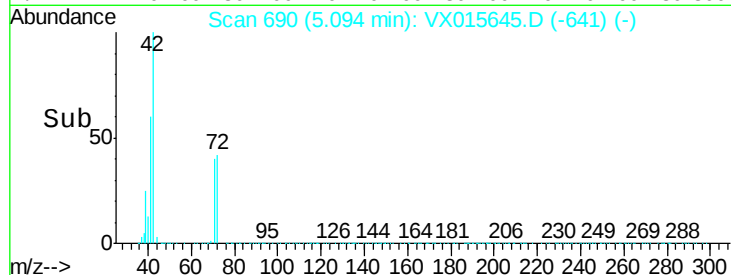
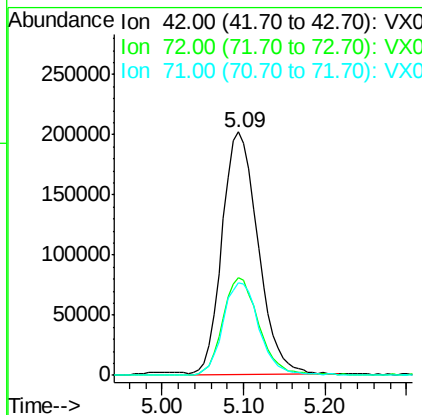
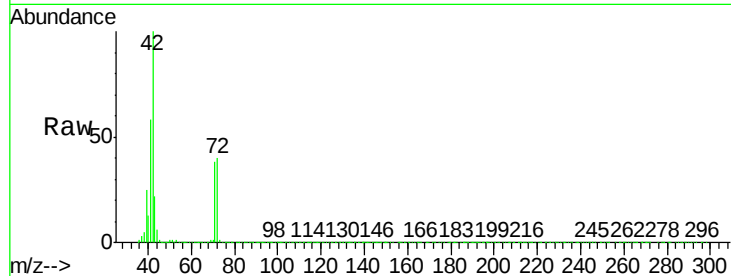
ClientSampleId :

VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	31.7	47.5
71	38.0	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 18.020 ug/l

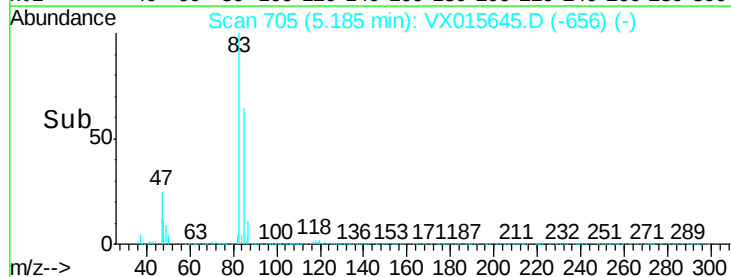
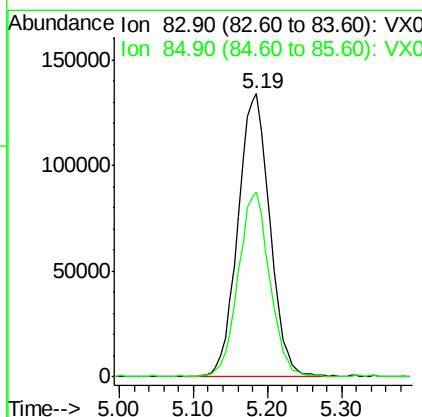
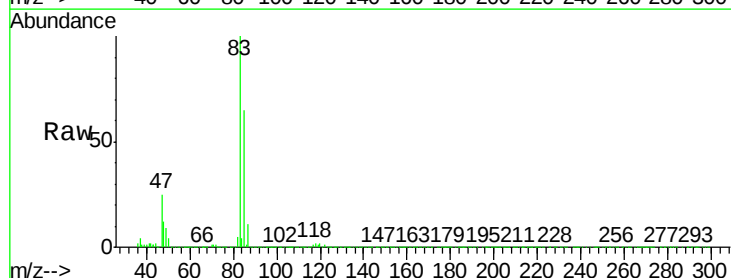
RT: 5.19 min Scan# 705

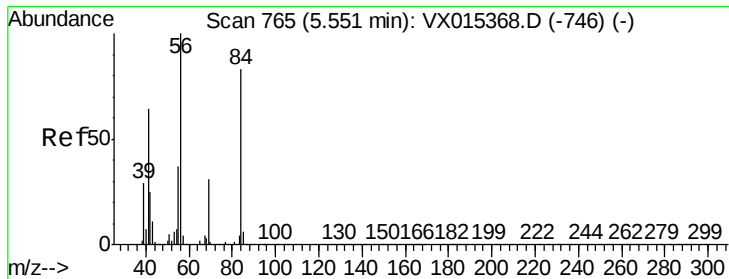
Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	49.5	74.3





#31

Cyclohexane

Concen: 16.211 ug/l

RT: 5.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

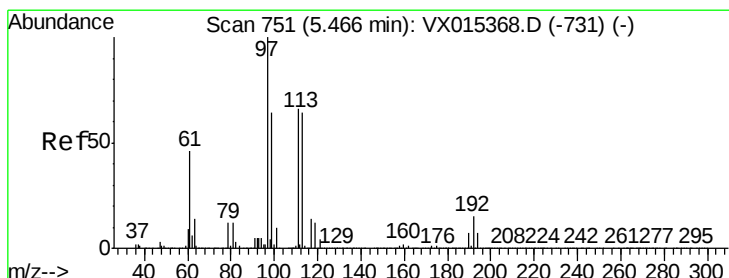
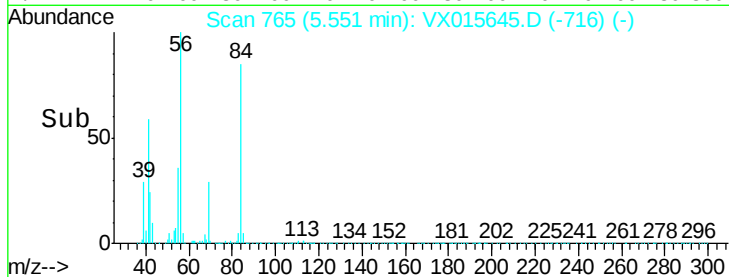
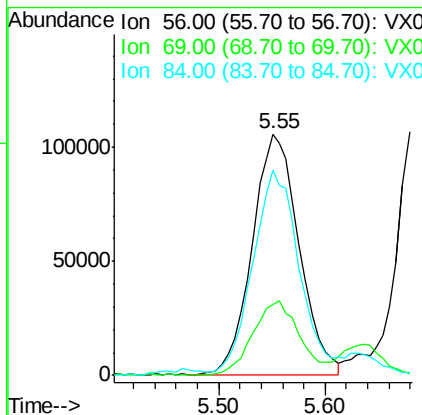
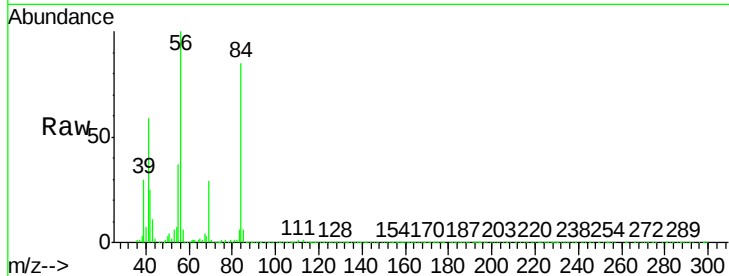
ClientSampleId :

VX0413WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	28.8	24.6	36.8	
84	82.7	66.1	99.1	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.262 ug/l

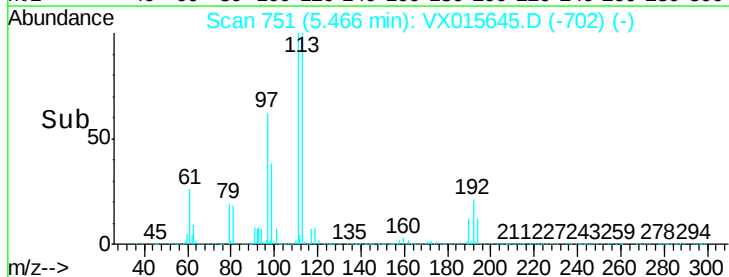
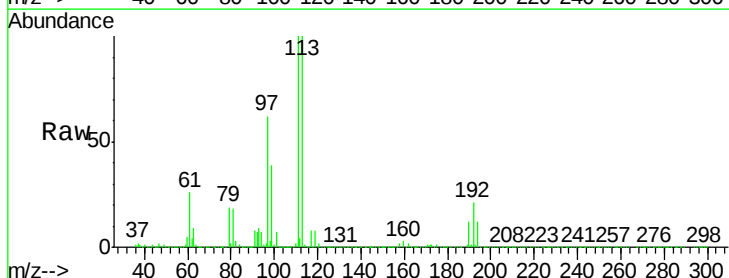
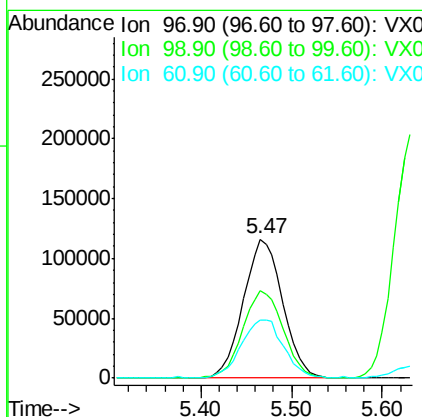
RT: 5.47 min Scan# 751

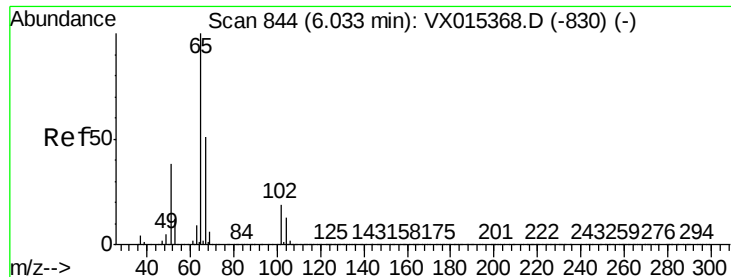
Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.0	76.4	
61	44.6	36.1	54.1	





#33

1,2-Dichloroethane-d4

Concen: 45.998 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 65 Resp: 728033

Ion Ratio Lower Upper

65 100

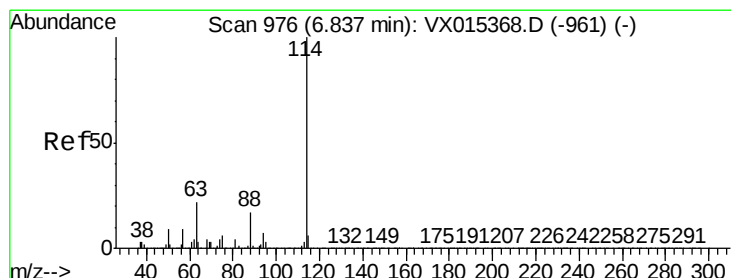
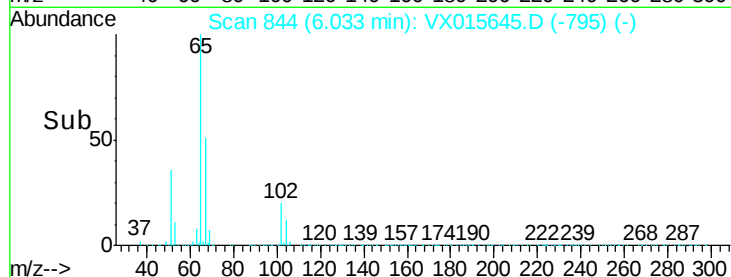
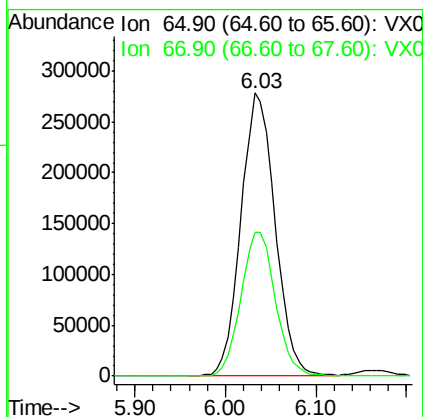
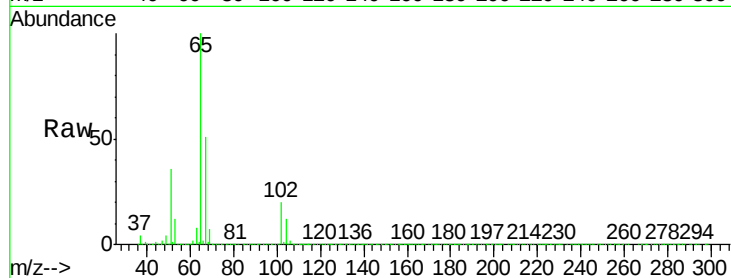
67 51.3 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

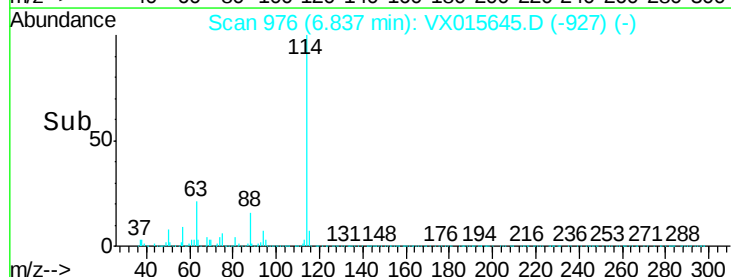
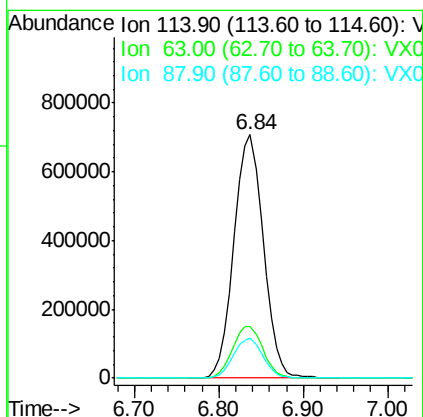
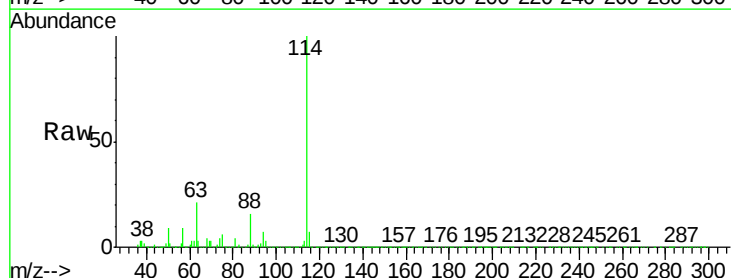
Tgt Ion: 114 Resp: 1673608

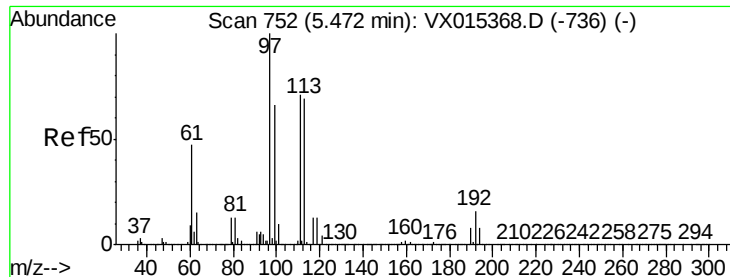
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.2

88 16.4 0.0 33.8





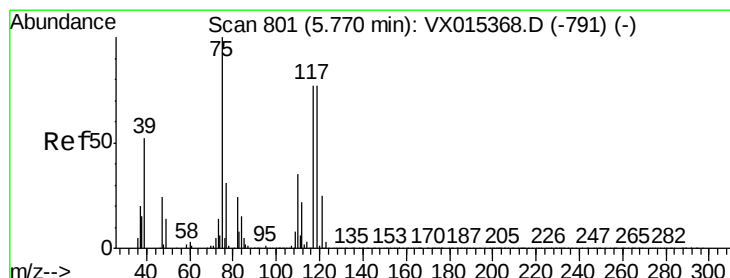
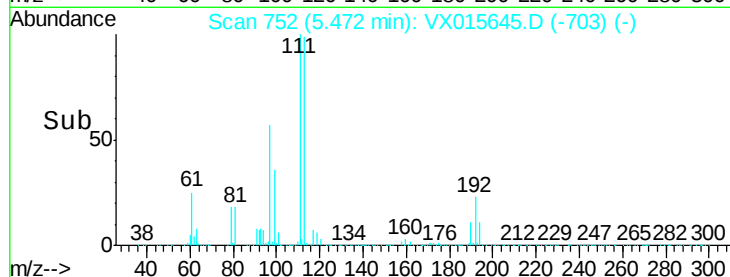
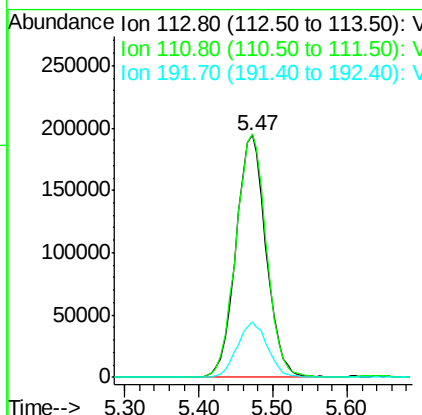
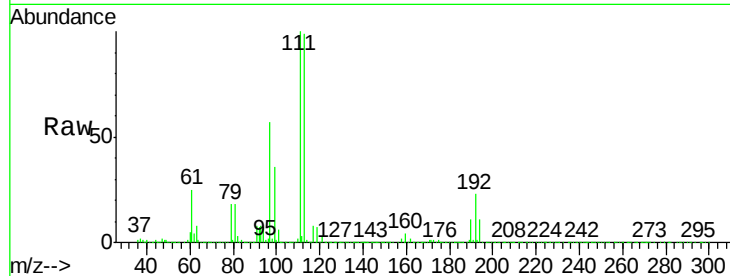
#35
 Dibromofluoromethane
 Concen: 51.289 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	548697		
111	101.8	81.5	122.3	
192	23.3	17.8	26.6	

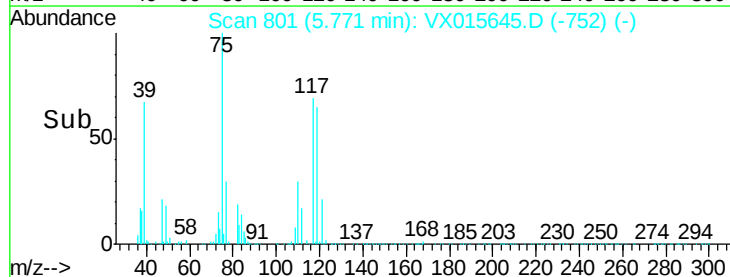
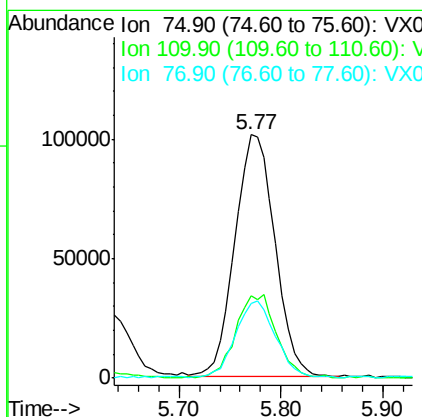
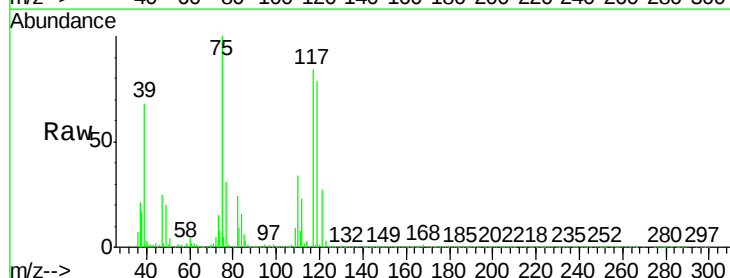
Manual Integrations
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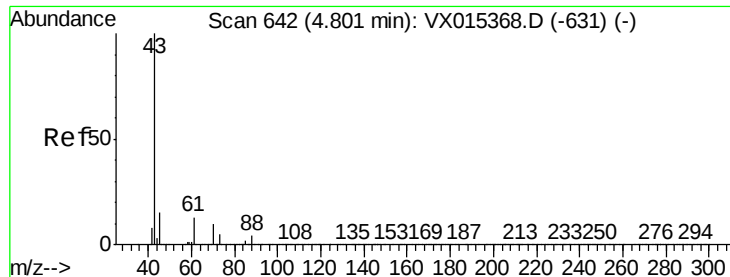
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 18.016 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	277821		
110	34.6	17.1	51.3	
77	30.9	24.6	36.8	





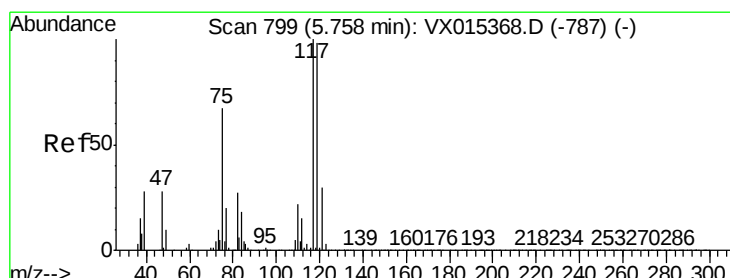
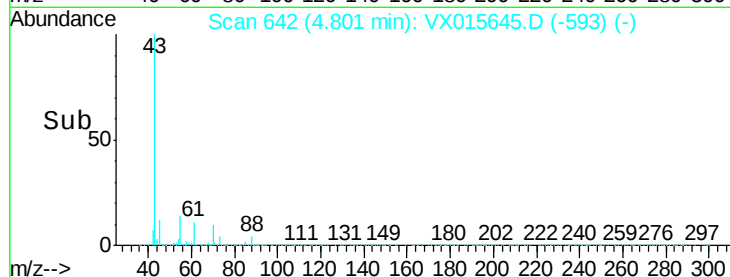
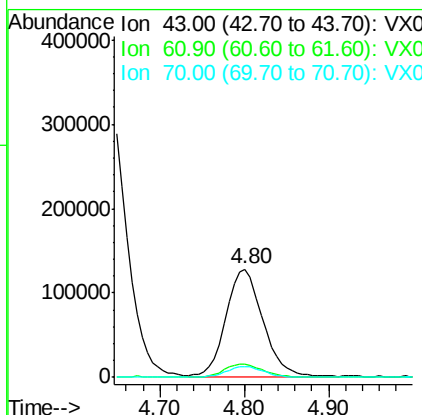
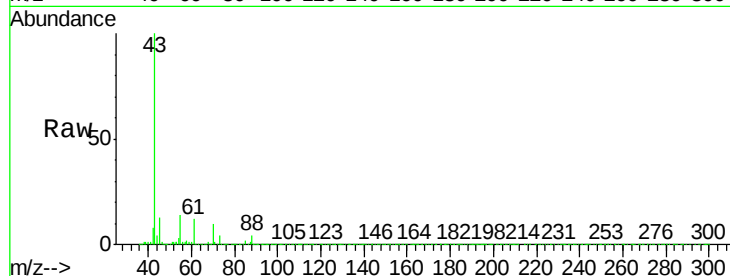
#37
Ethyl Acetate
Concen: 18.804 ug/l
RT: 4.80 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.9	14.9
70	9.6	8.1	12.1

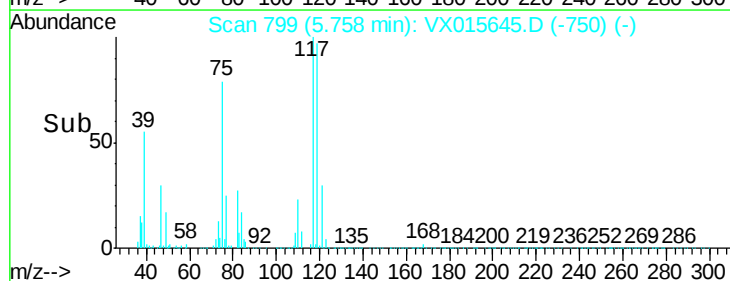
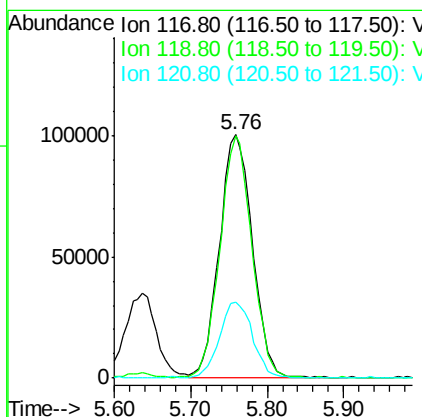
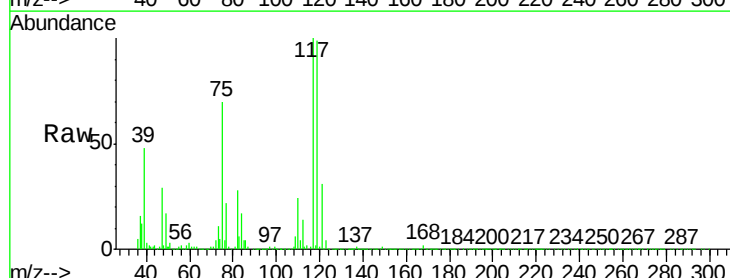
Manual Integrations
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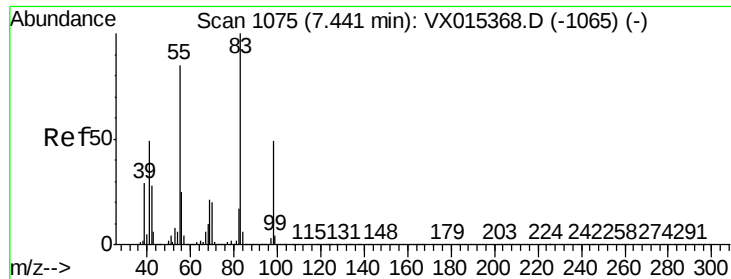
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.878 ug/l
RT: 5.76 min Scan# 799
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	78.0	117.0
121	31.2	23.8	35.8





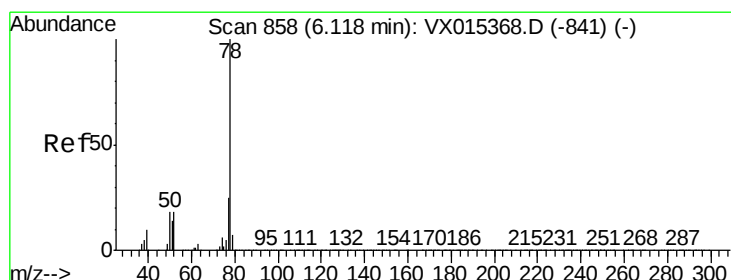
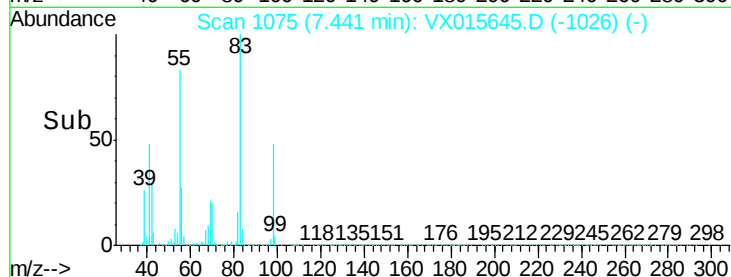
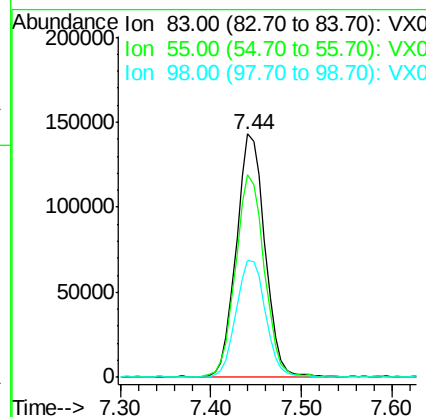
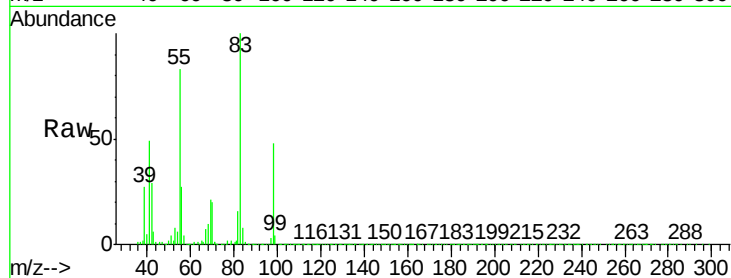
#39
Methvlcvclohexane
Concen: 17.541 ug/l
RT: 7.44 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	311869		
55	83.1	67.8	101.6	
98	47.8	39.3	58.9	

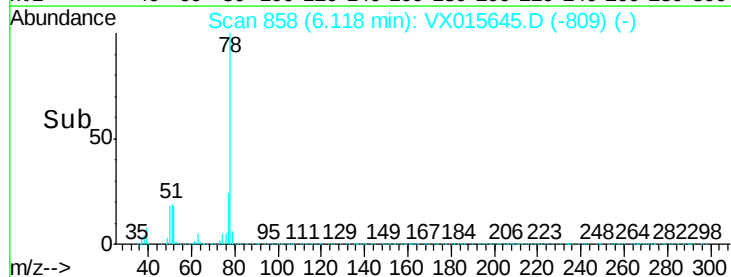
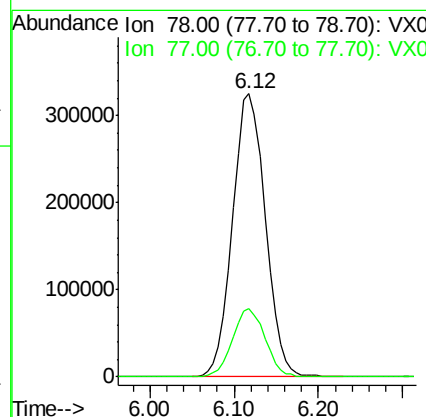
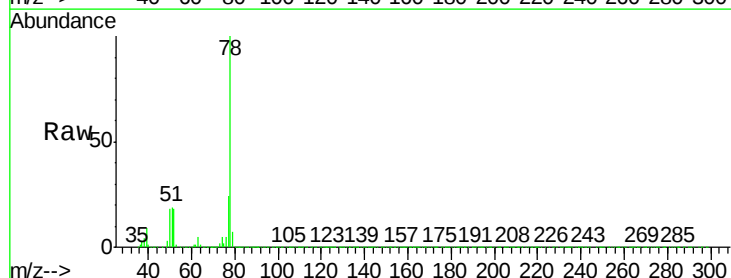
Manual Integrations
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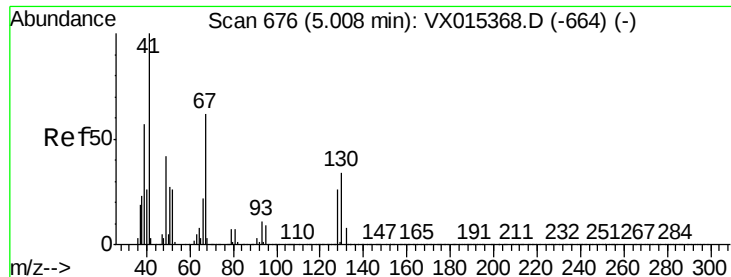
MMDadoda
4/14/2020 10:11:52 AM



#40
Benzene
Concen: 19.000 ug/l
RT: 6.12 min Scan# 858
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	858230		
77	24.2	19.8	29.8	





#41

Methacrylonitrile

Concen: 19.085 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

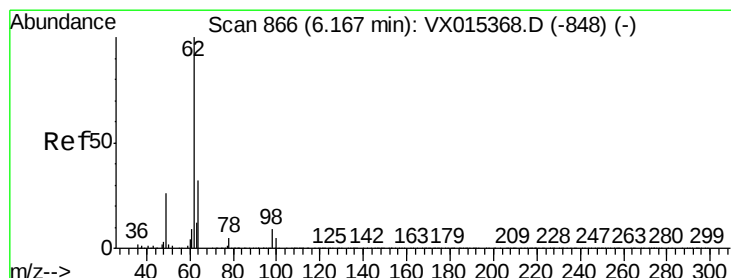
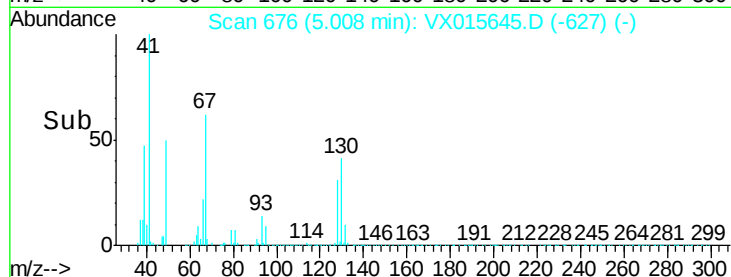
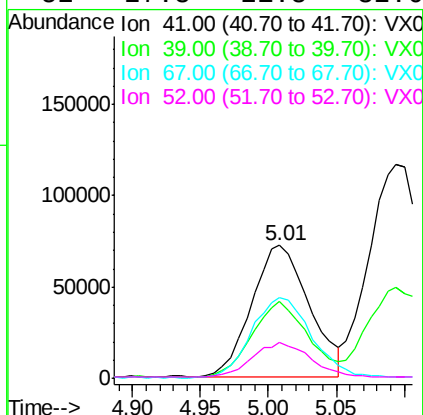
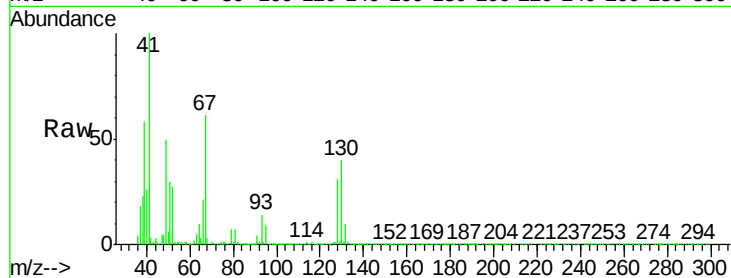
ClientSampled :

VX0413WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		212717		
39	56.7	44.5	66.7		
67	65.4	48.9	73.3		
52	27.8	21.8	32.6		

Manual Integrations
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4/14/2020 10:11:52 AM



#42

1,2-Dichloroethane

Concen: 19.589 ug/l

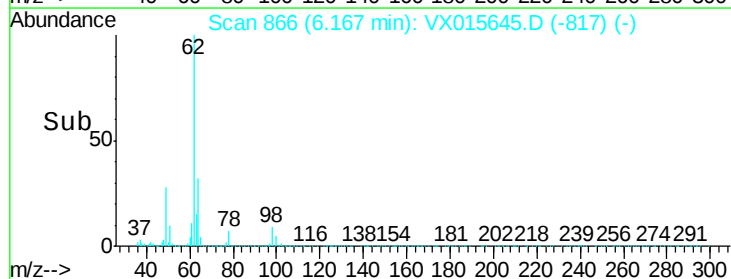
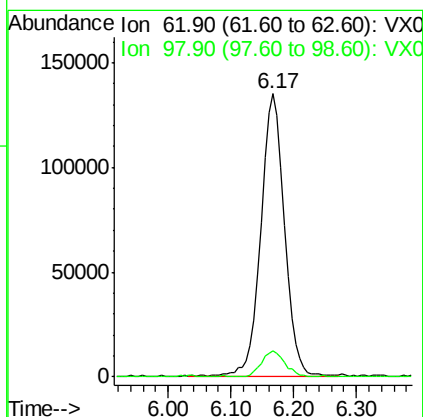
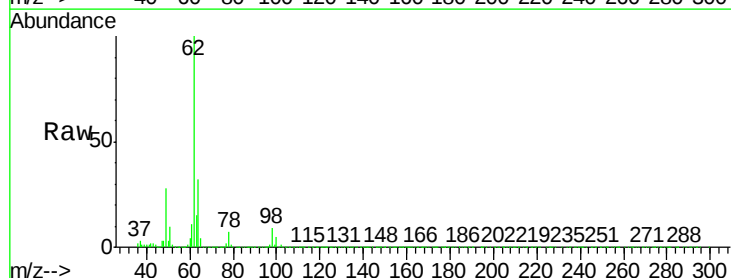
RT: 6.17 min Scan# 866

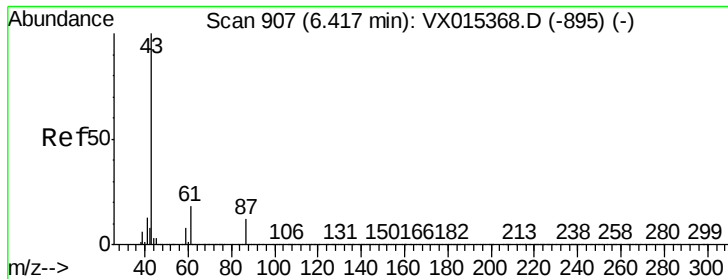
Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		355434		
98	8.8	0.0	17.6		





#43

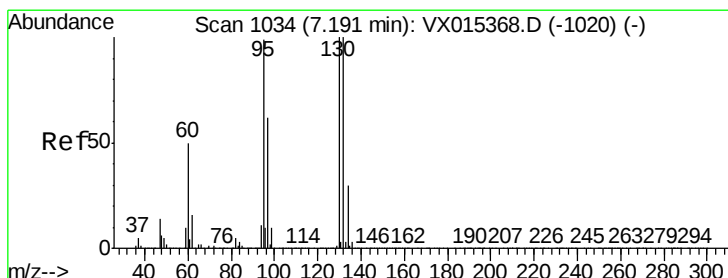
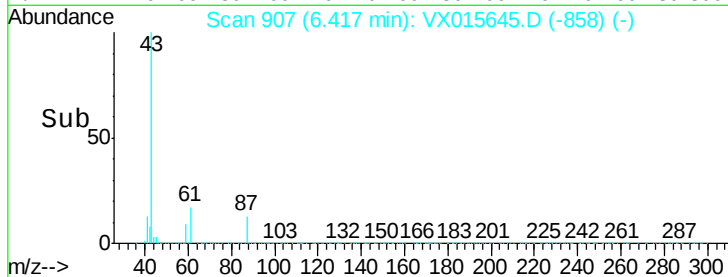
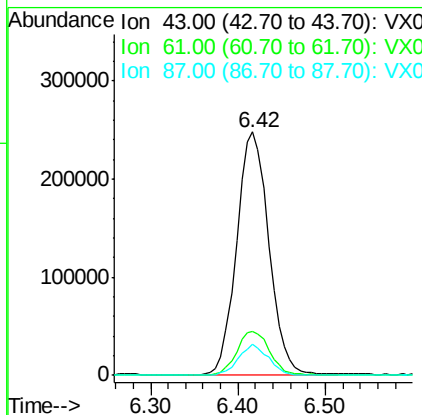
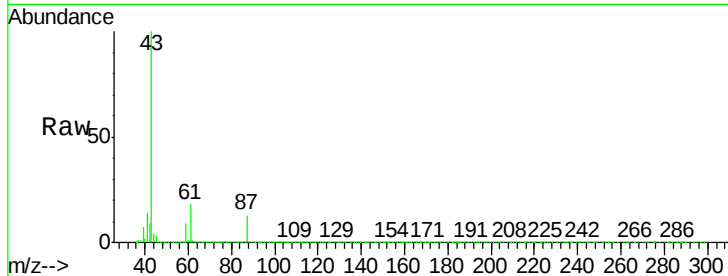
Isopropyl Acetate
 Concen: 18.603 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.8	22.2
87	11.8	9.4	14.0

Manual Integrations
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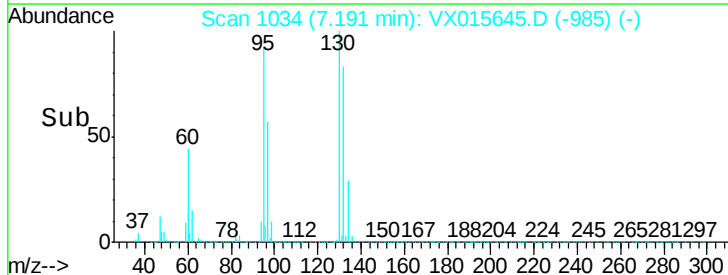
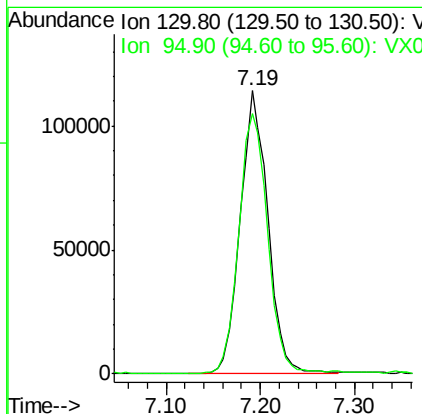
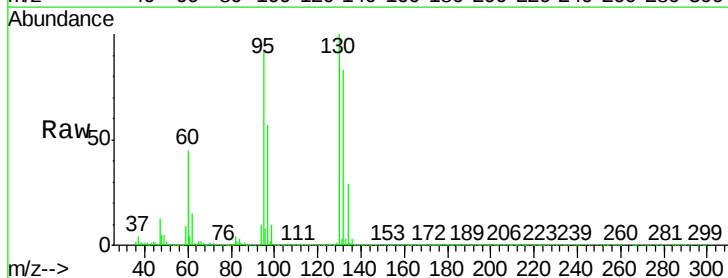
MMDadoda
 4/14/2020 10:11:52 AM

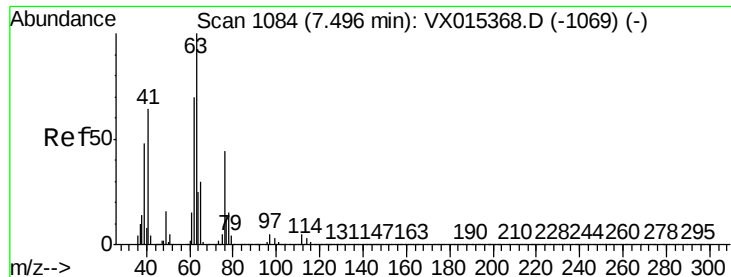


#44

Trichloroethene
 Concen: 18.944 ug/l
 RT: 7.19 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	199.0





#45

1,2-Dichloropropane

Concen: 18.859 ug/l

RT: 7.49 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 63 Resp: 233033

Ion Ratio Lower Upper

63 100

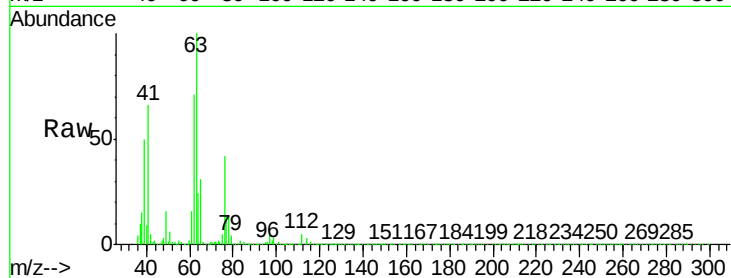
65 30.0 23.9 35.9

Manual Integrations

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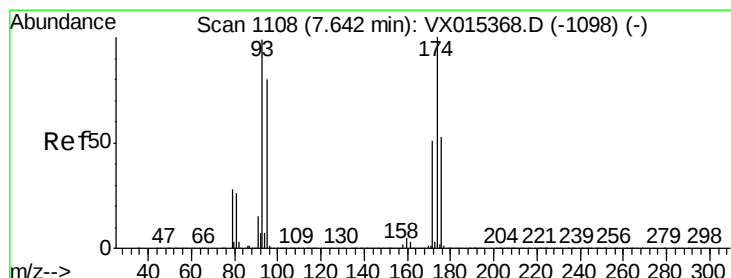
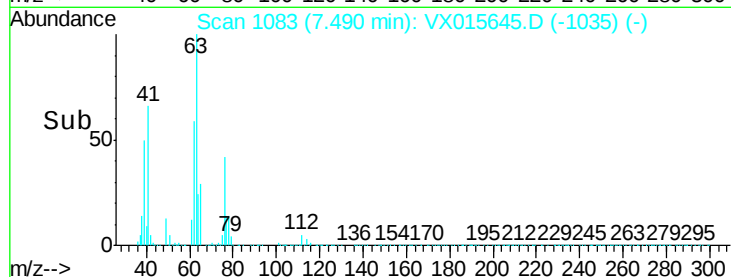
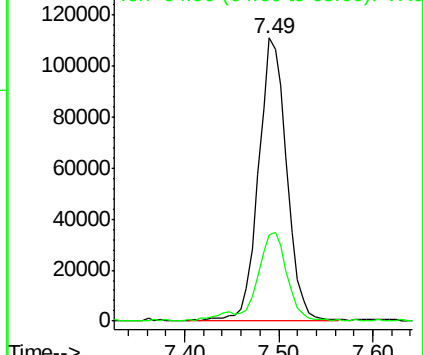
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.039 ug/l

RT: 7.64 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

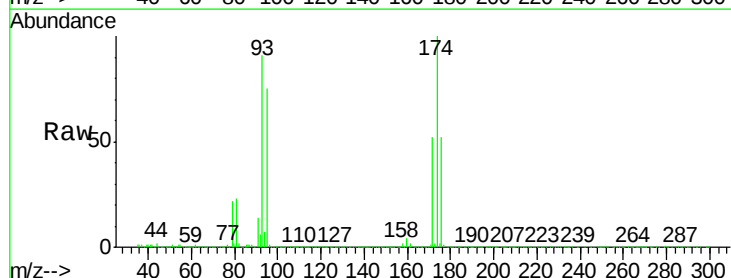
Tgt Ion: 93 Resp: 154326

Ion Ratio Lower Upper

93 100

95 83.8 65.8 98.8

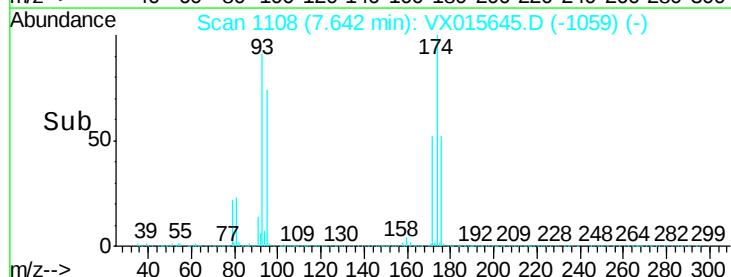
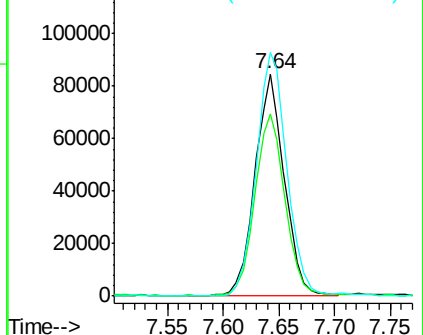
174 115.9 86.2 129.2

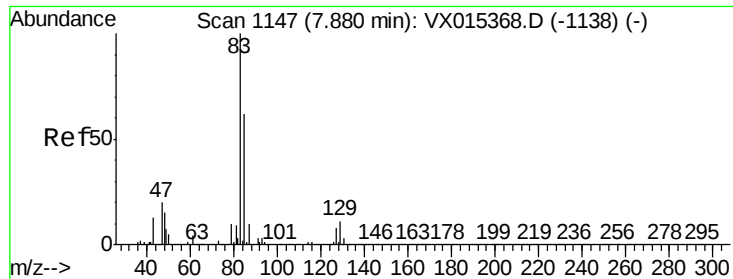


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.475 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

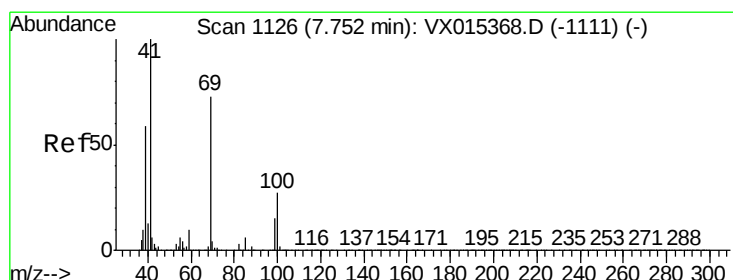
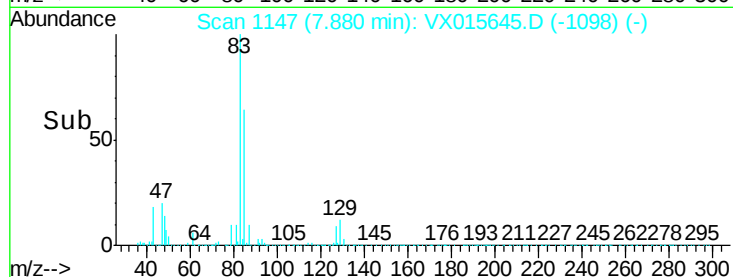
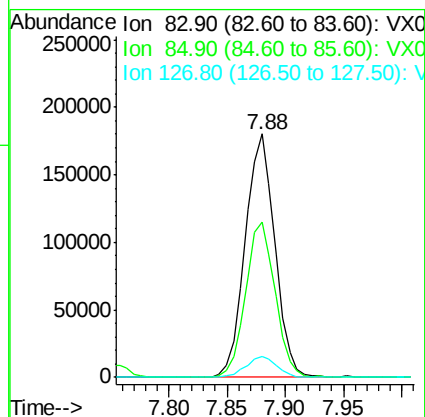
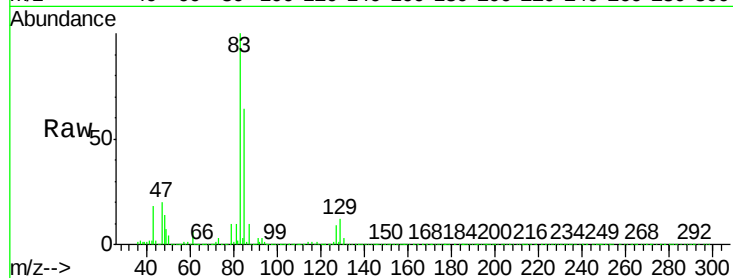
ClientSampleId :

VX0413WBSD01

Tot Ion:	83	Resp:	319098
Ion Ratio	Lower	Upper	
83	100		
85	63.8	49.7	74.5
127	8.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 18.636 ug/l

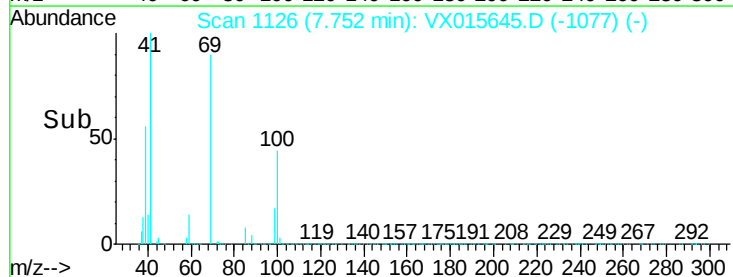
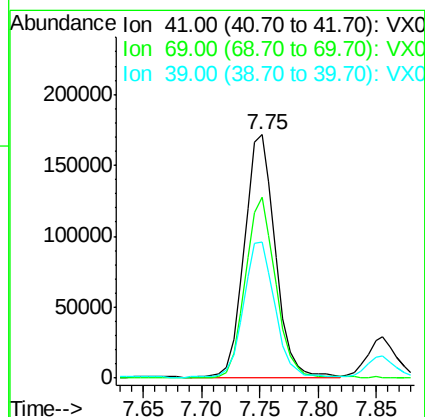
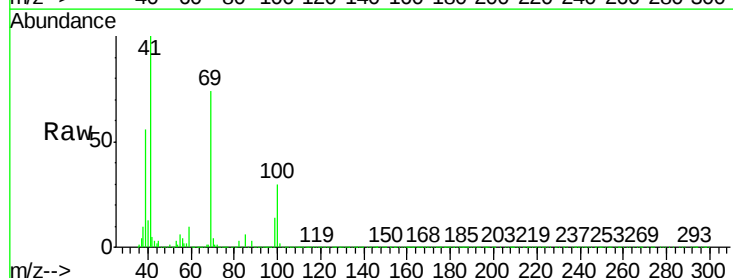
RT: 7.75 min Scan# 1126

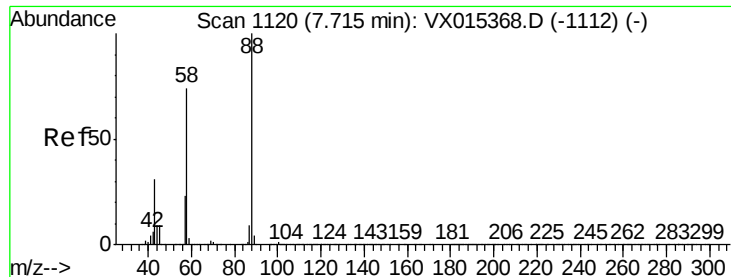
Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion:	41	Resp:	315515
Ion Ratio	Lower	Upper	
41	100		
69	72.8	56.7	85.1
39	56.1	46.5	69.7





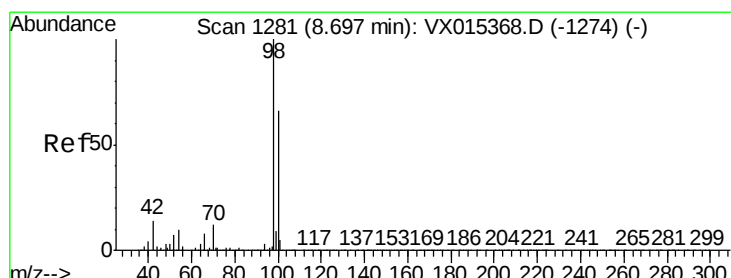
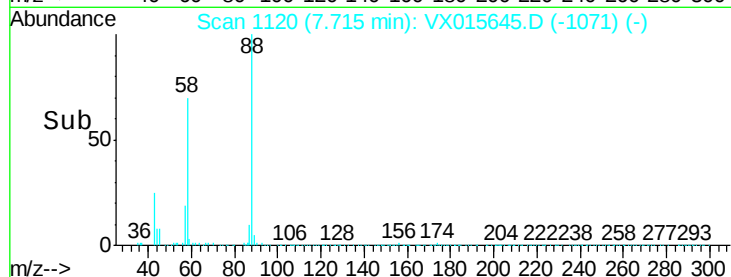
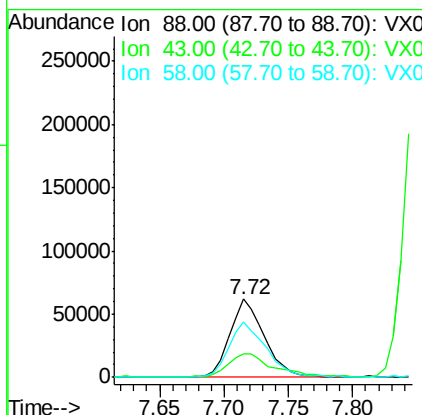
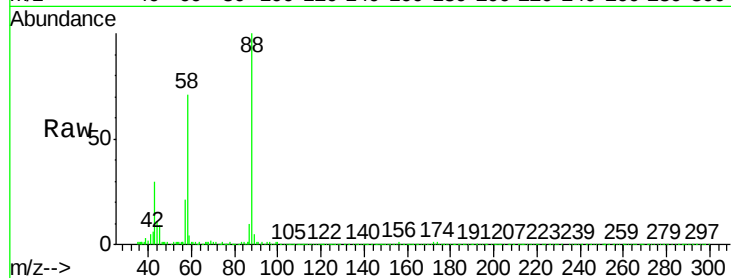
#49
1,4-Dioxane
Concen: 359.467 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	30.1	45.1
58	76.4	60.6	90.8

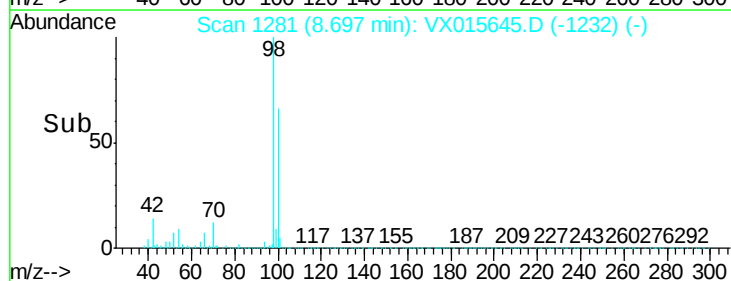
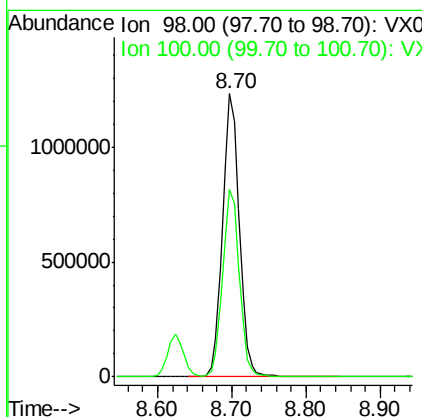
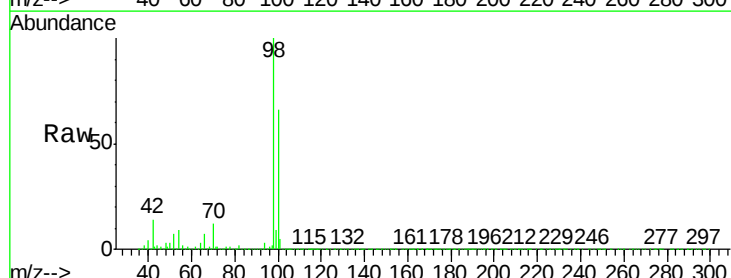
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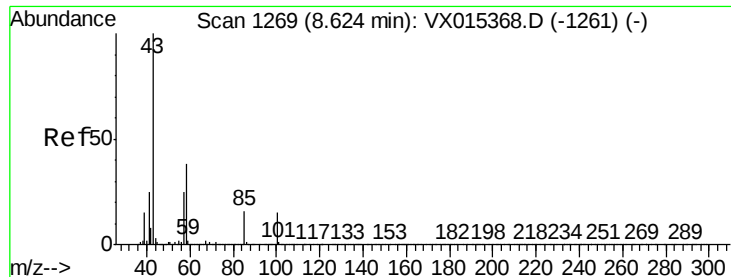
MMDadoda
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#50
Toluene-d8
Concen: 48.976 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 97.901 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 43 Resp: 1880559

Ion Ratio Lower Upper

43 100

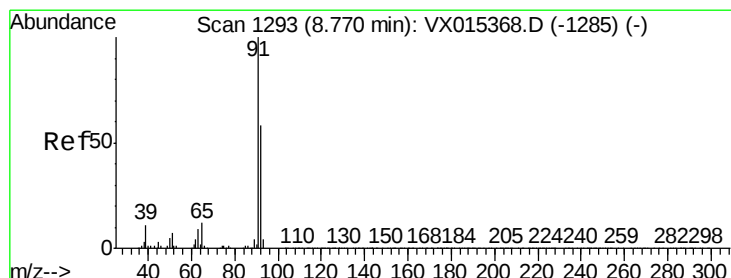
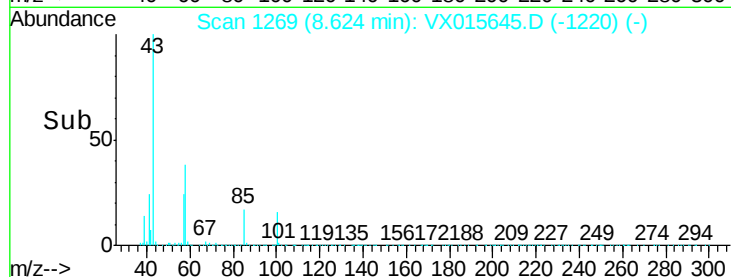
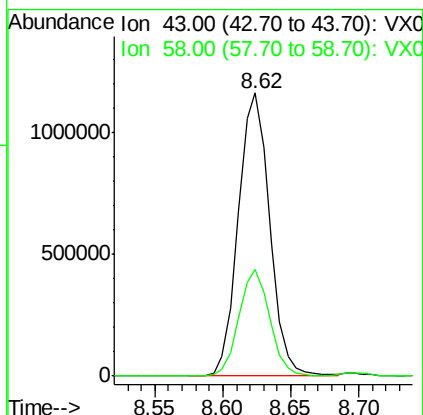
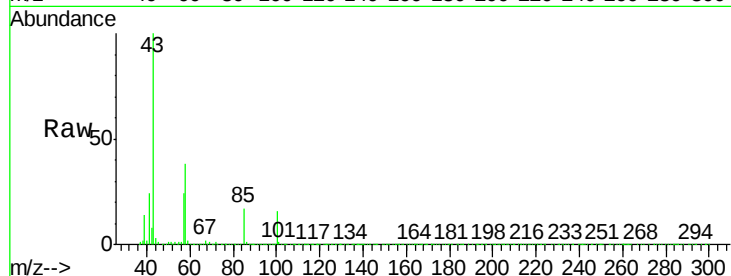
58 36.9 29.7 44.5

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#52

Toluene

Concen: 19.052 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015645.D

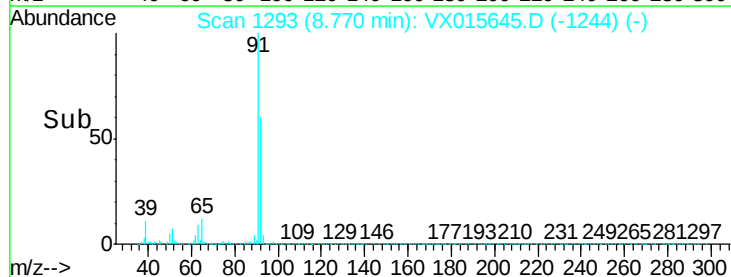
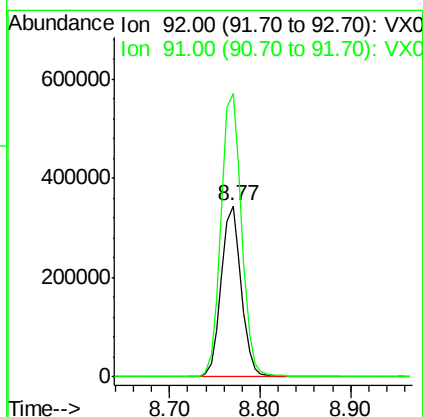
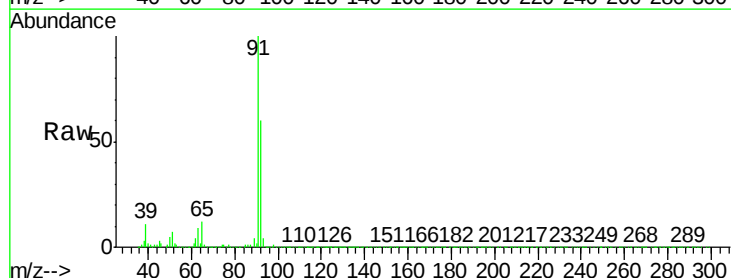
Acq: 13 Apr 2020 16:26

Tgt Ion: 92 Resp: 530567

Ion Ratio Lower Upper

92 100

91 170.6 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 17.815 ug/l

RT: 9.03 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 75 Resp: 360876

Ion Ratio Lower Upper

75 100

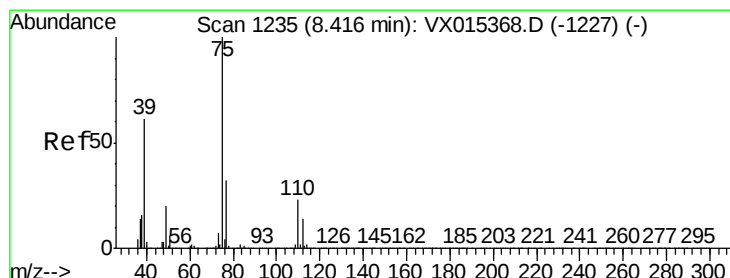
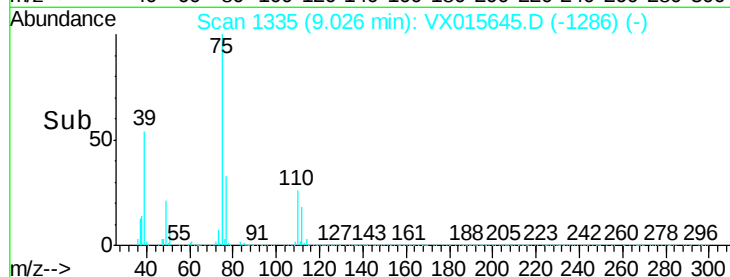
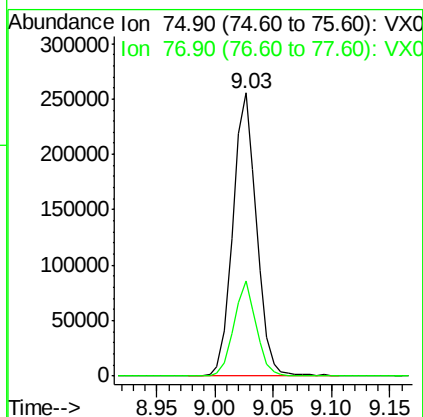
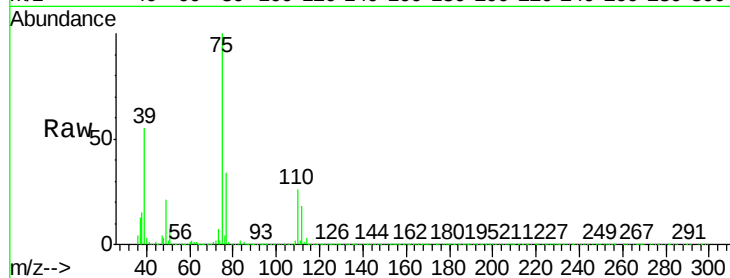
77 33.4 24.1 36.1

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#54

cis-1,3-Dichloropropene

Concen: 18.604 ug/l

RT: 8.42 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

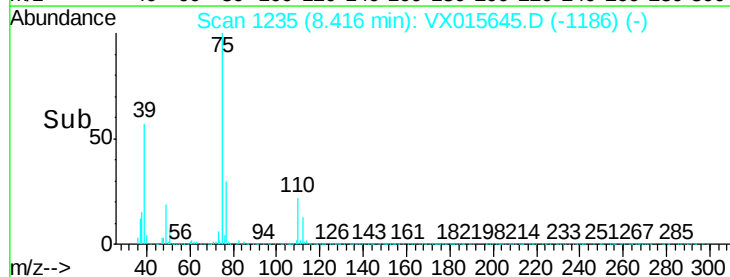
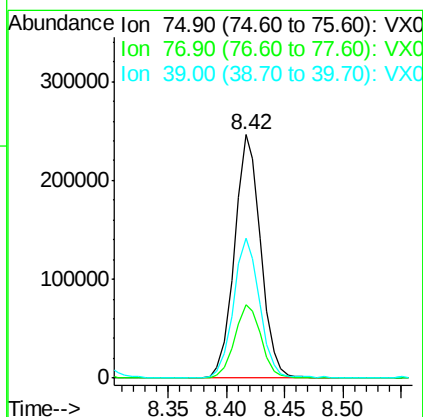
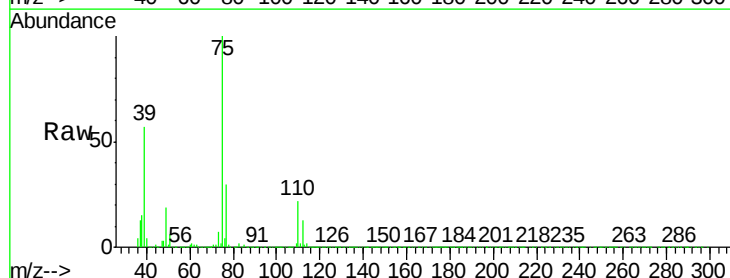
Tgt Ion: 75 Resp: 383901

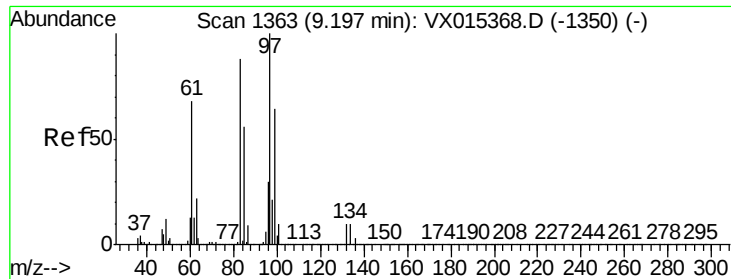
Ion Ratio Lower Upper

75 100

77 30.3 25.8 38.6

39 57.1 49.0 73.4





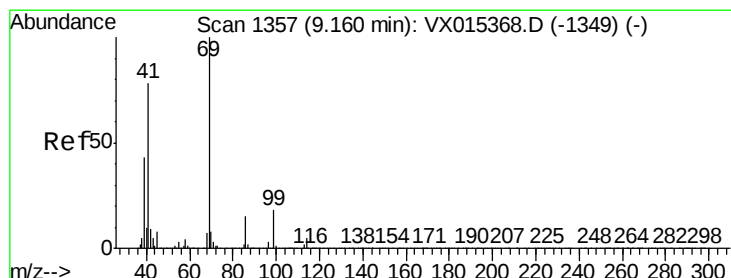
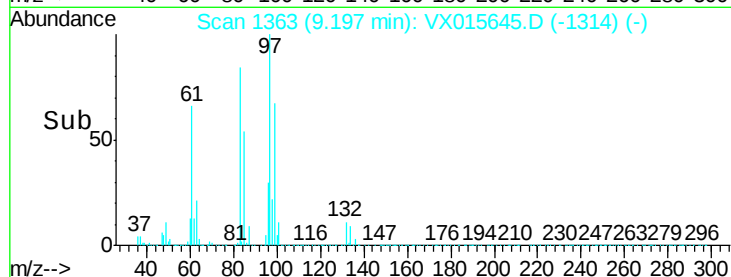
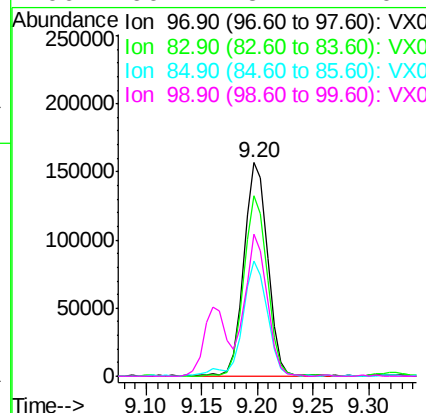
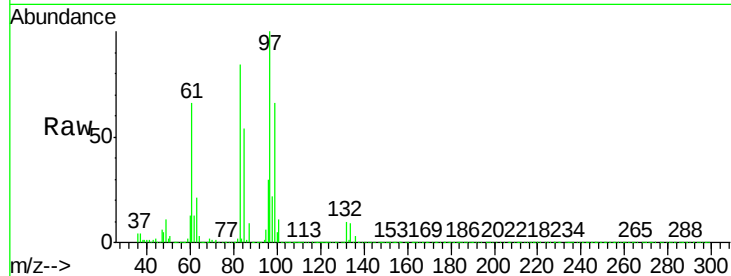
#55
 1,1,2-Trichloroethane
 Concen: 20.247 ug/l
 RT: 9.20 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		231011		
83	84.3	70.2	105.4		
85	53.9	44.7	67.1		
99	66.4	51.1	76.7		

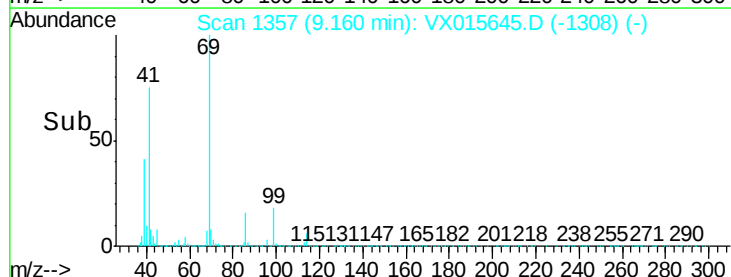
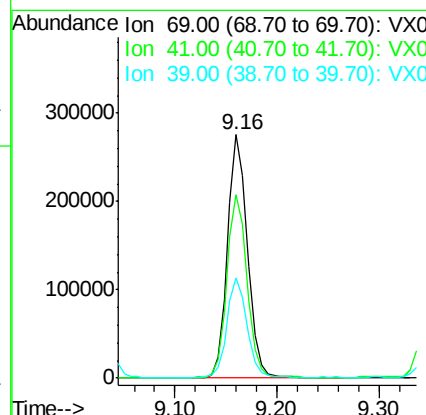
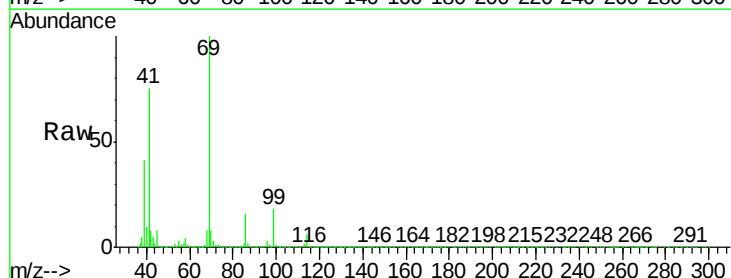
Manual Integrations
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 4/14/2020 10:11:52 AM



#56
 Ethyl methacrylate
 Concen: 18.624 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		374488		
41	77.4	61.6	92.4		
39	40.6	34.0	51.0		





#57

1,3-Dichloropropane

Concen: 19.246 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 76 Resp: 395637

Ion Ratio Lower Upper

76 100

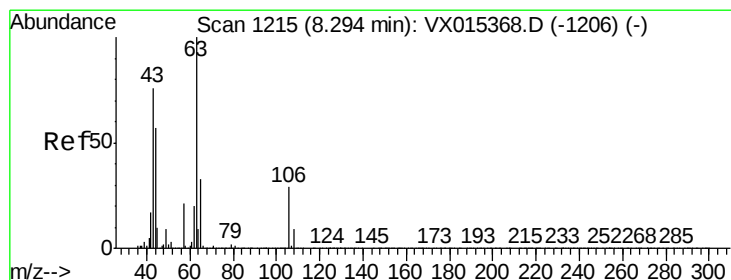
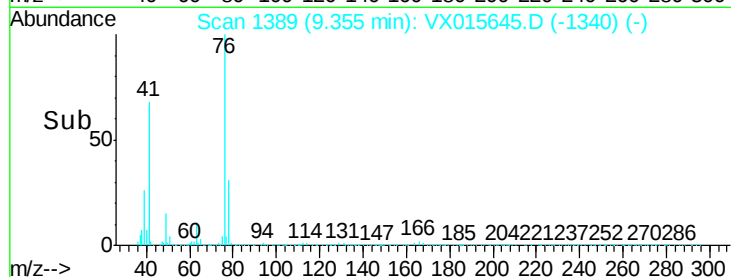
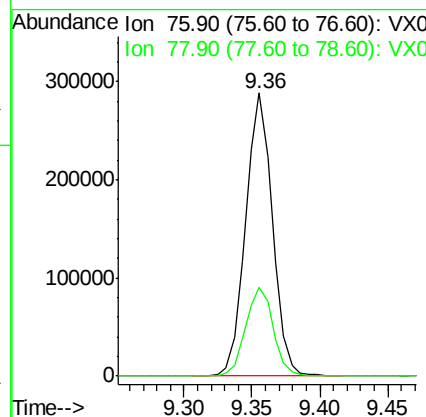
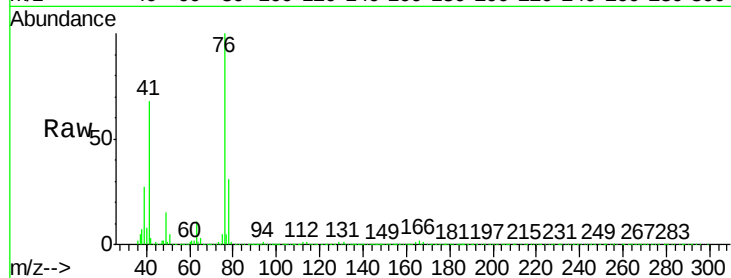
78 32.0 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 102.902 ug/l

RT: 8.29 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VX015645.D

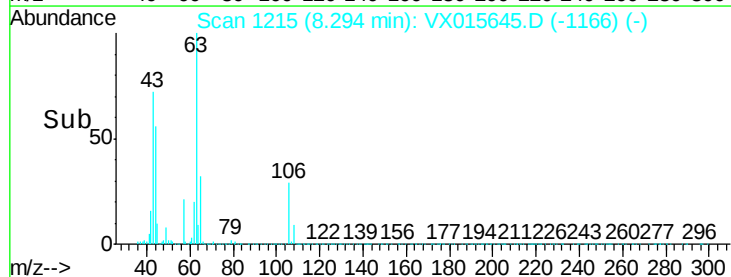
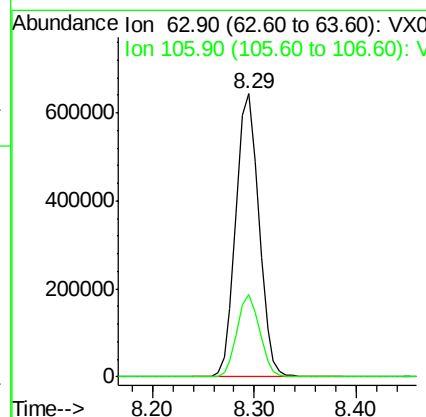
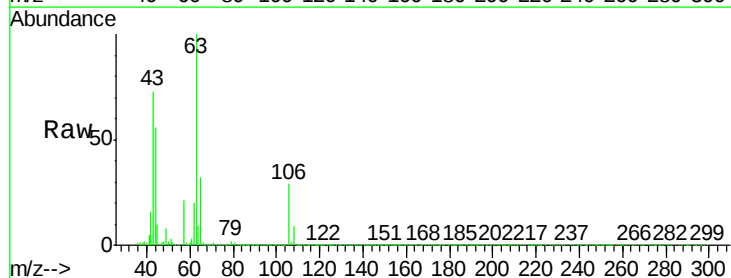
Acq: 13 Apr 2020 16:26

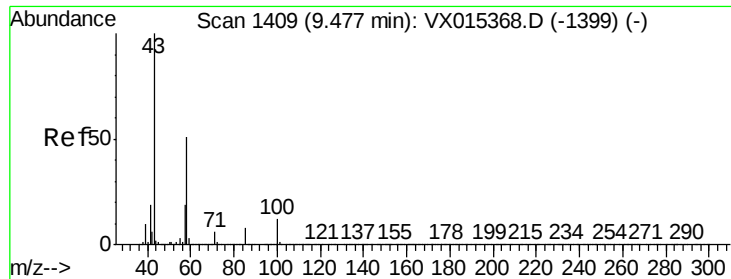
Tgt Ion: 63 Resp: 1006462

Ion Ratio Lower Upper

63 100

106 28.6 22.7 34.1





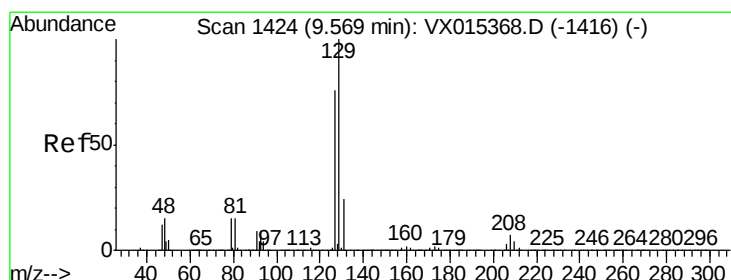
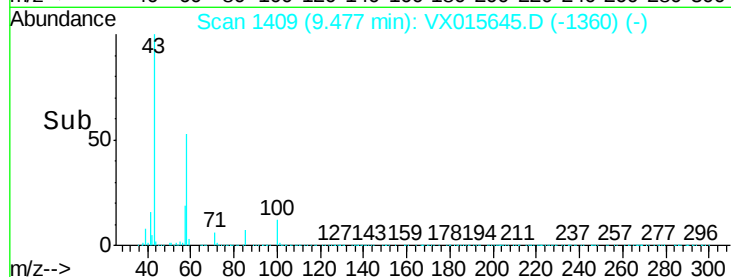
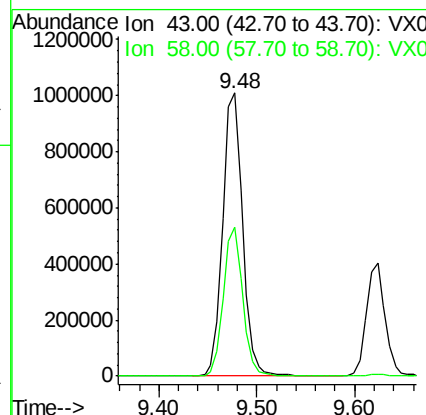
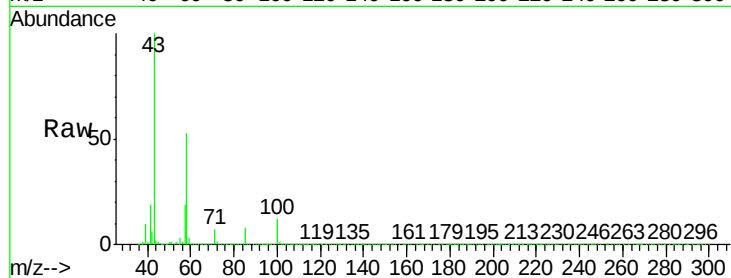
#59
2-Hexanone
Concen: 98.022 ug/l
RT: 9.48 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion: 43 Resp: 1421532
Ion Ratio Lower Upper
43 100
58 51.4 25.6 76.6

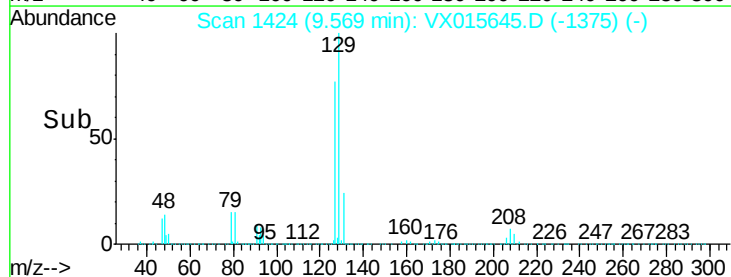
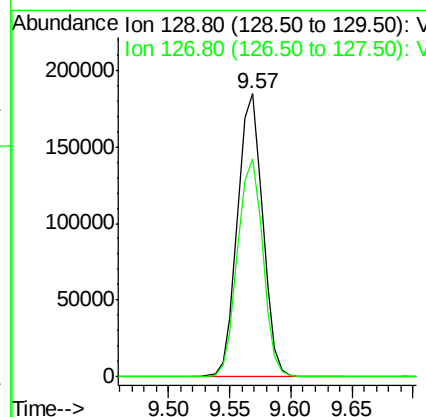
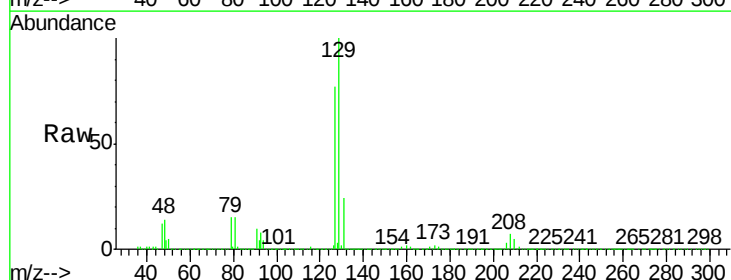
Manual Integrations
APPROVED

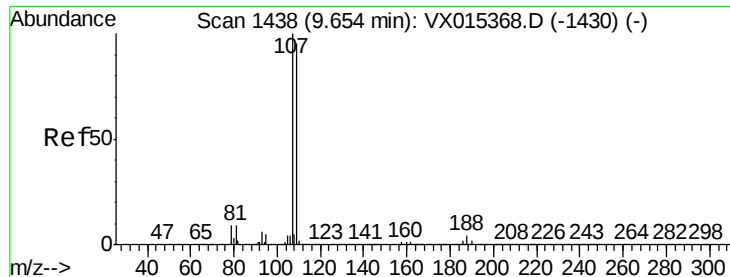
MMDadoda
4/14/2020 10:11:52 AM



#60
Dibromochloromethane
Concen: 19.169 ug/l
RT: 9.57 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion: 129 Resp: 262813
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 19.391 ug/l

RT: 9.65 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion:107 Resp: 240576

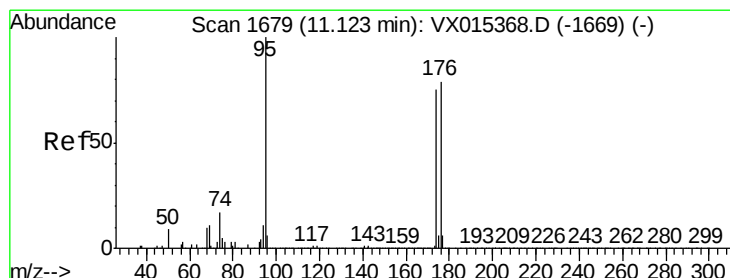
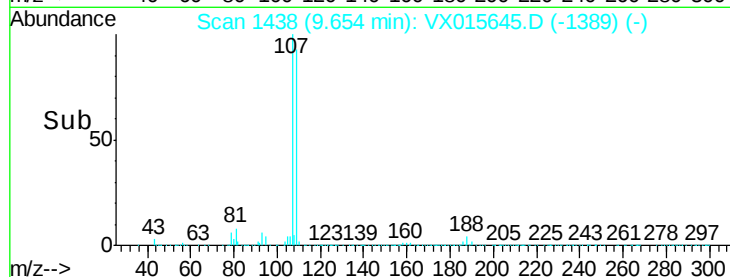
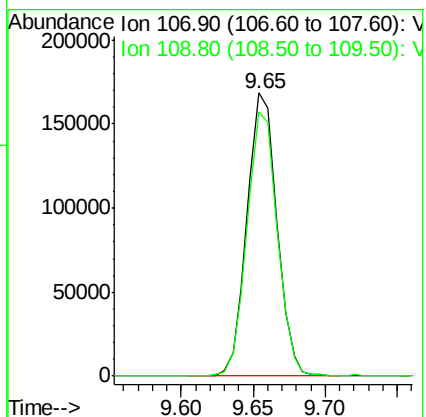
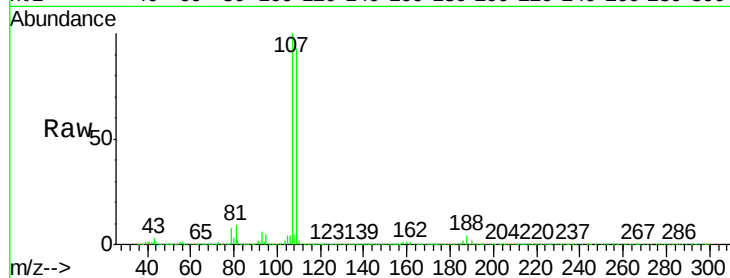
Ion Ratio Lower Upper

107 100

109 94.8 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:52 AM



#62

4-Bromofluorobenzene

Concen: 48.525 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

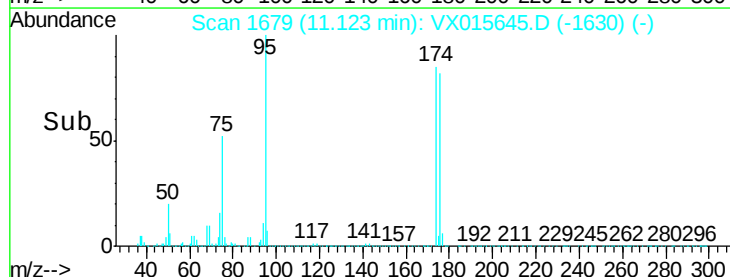
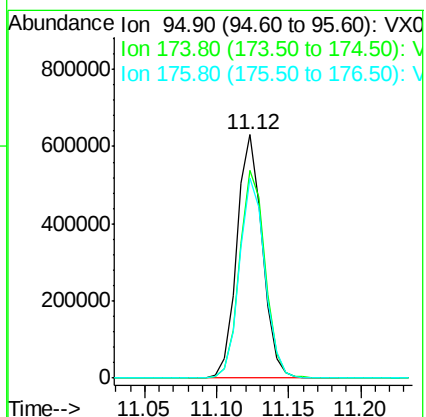
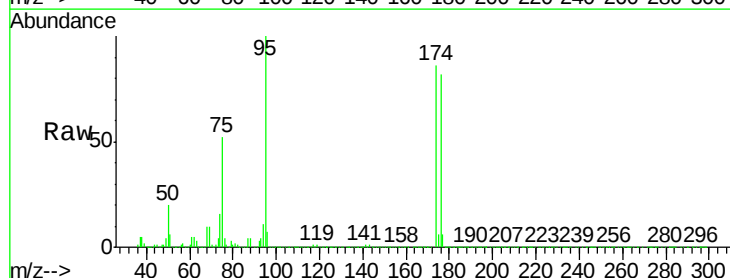
Tgt Ion: 95 Resp: 776749

Ion Ratio Lower Upper

95 100

174 85.5 0.0 158.6

176 82.2 0.0 159.0





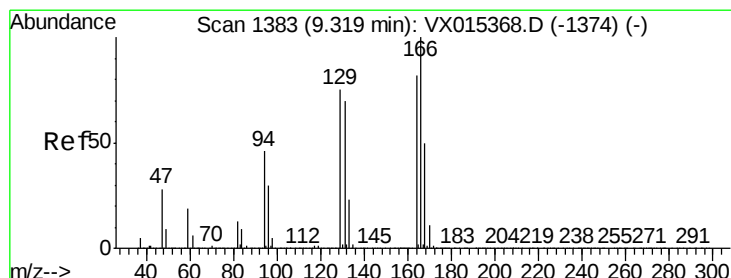
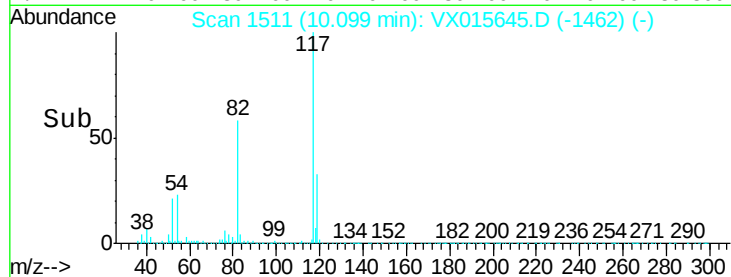
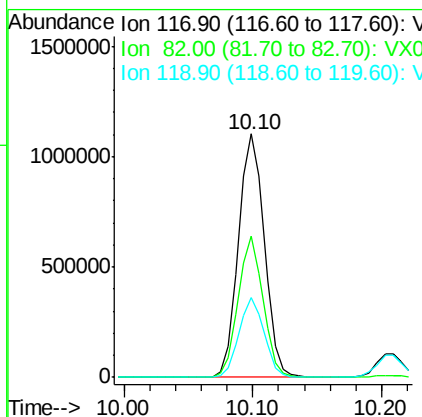
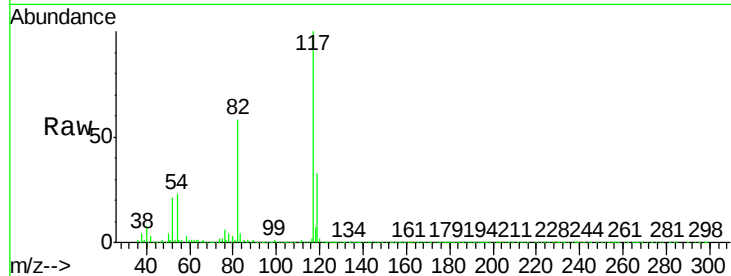
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.8	71.8
119	32.5	26.8	40.2

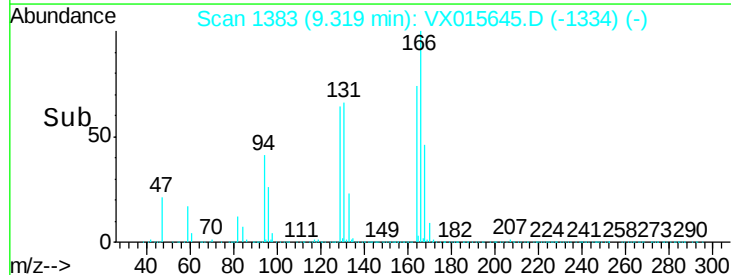
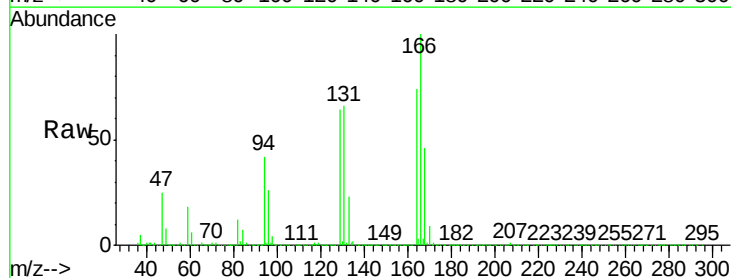
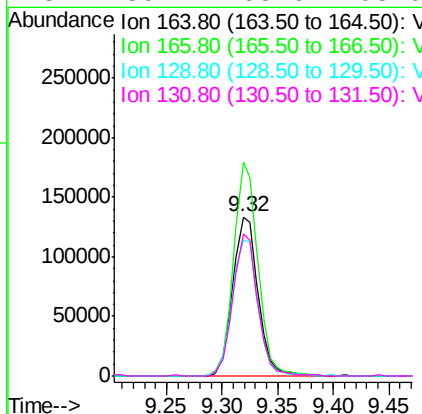
Manual Integrations
APPROVED

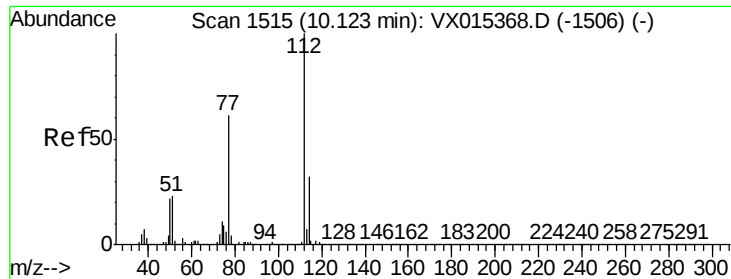
MMDadoda
4/14/2020 10:11:52 AM



#64
Tetrachloroethene
Concen: 18.033 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.5	97.8	146.6
129	85.4	73.0	109.4
131	89.2	68.6	103.0





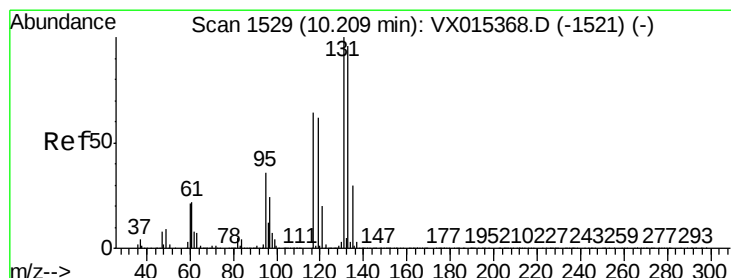
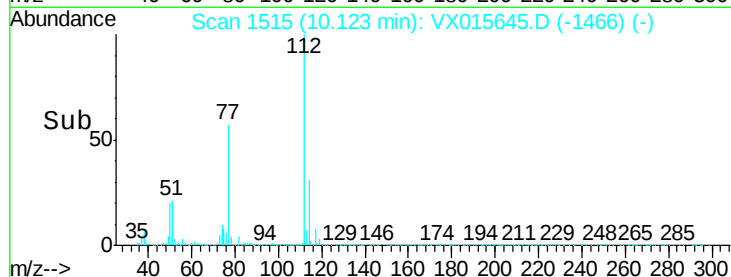
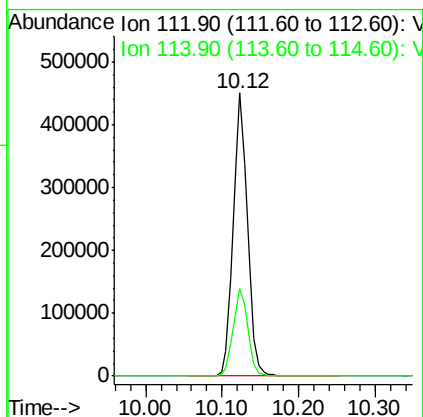
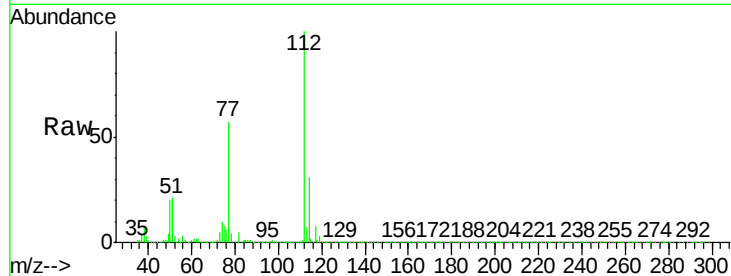
#65
Chlorobenzene
Concen: 18.970 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.5	38.3

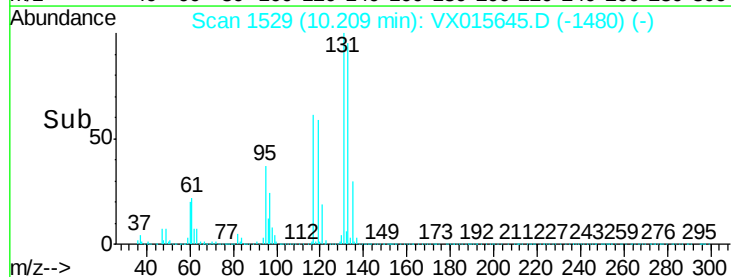
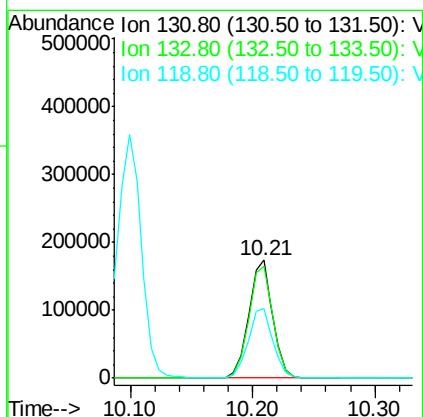
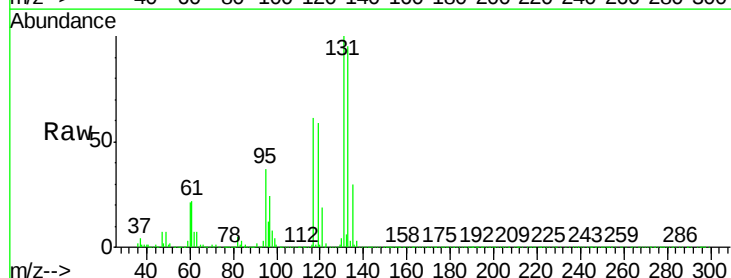
Manual Integrations
APPROVED

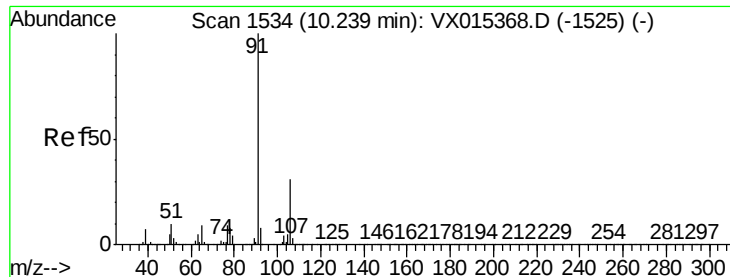
MMDadoda
4/14/2020 10:11:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.120 ug/l
RT: 10.21 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.6	142.9
119	61.1	31.1	93.3





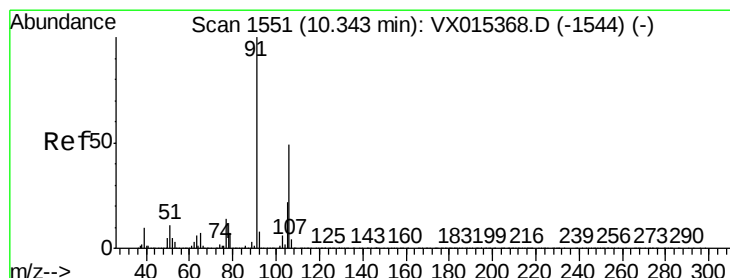
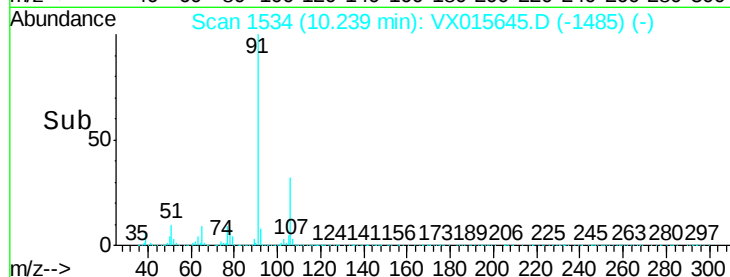
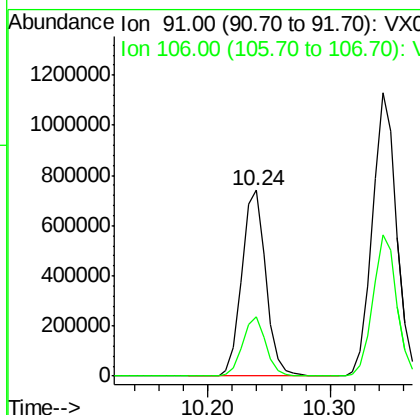
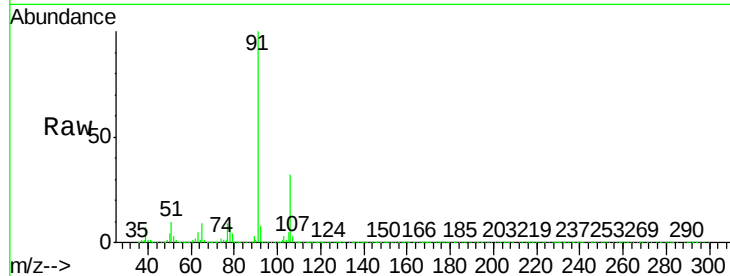
#67
Ethyl Benzene
Concen: 18.519 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion: 91 Resp: 1006668
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2

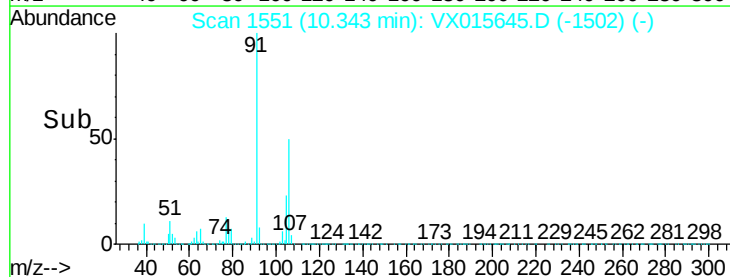
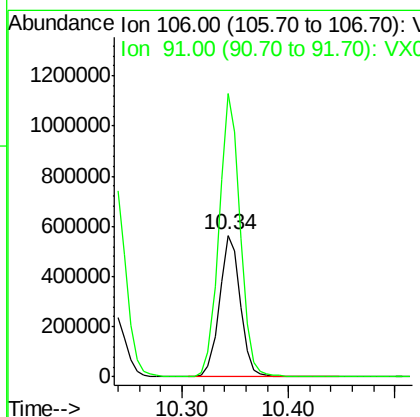
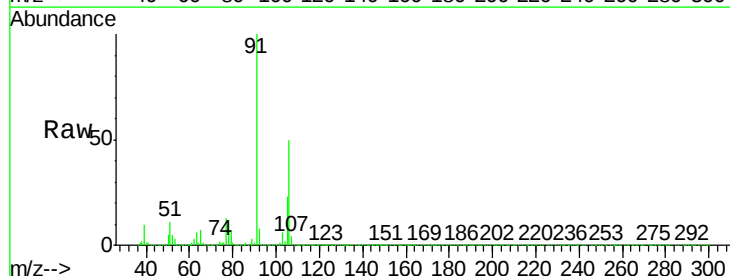
Manual Integrations
APPROVED

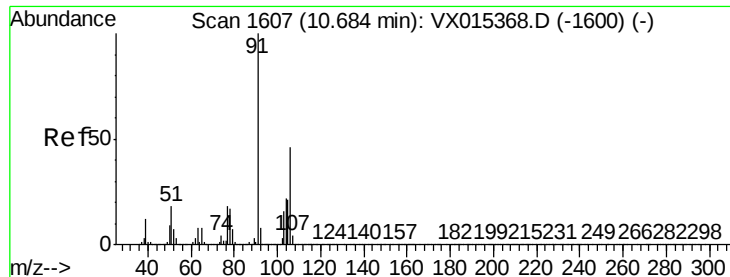
MMDadoda
4/14/2020 10:11:52 AM



#68
m/p-Xylenes
Concen: 37.872 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion: 106 Resp: 766572
Ion Ratio Lower Upper
106 100
91 202.1 163.4 245.0





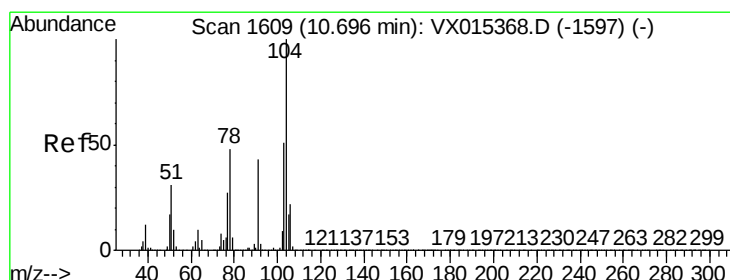
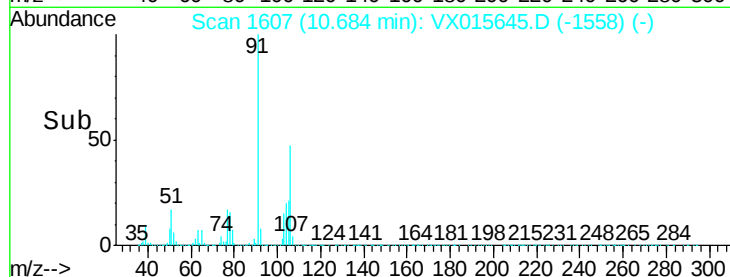
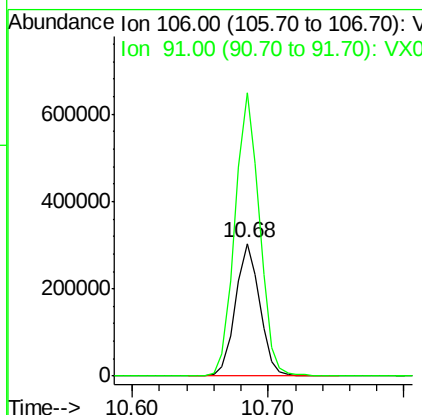
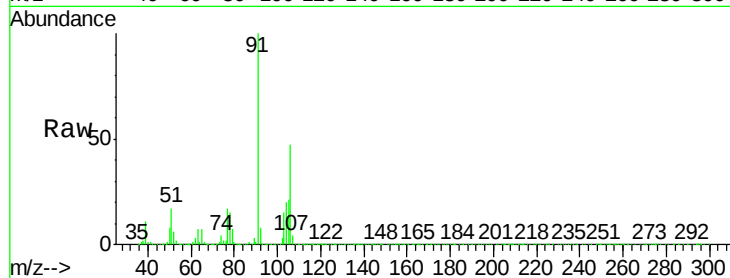
#69
o-Xylene
Concen: 18.915 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.3	107.1	321.3

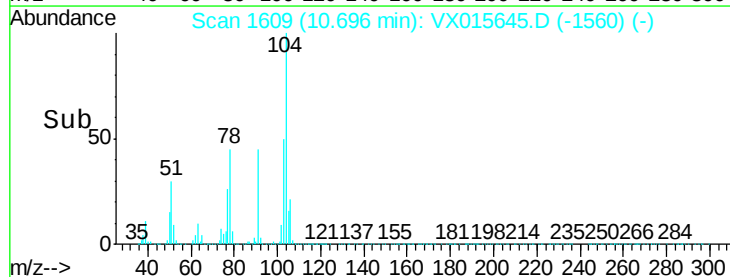
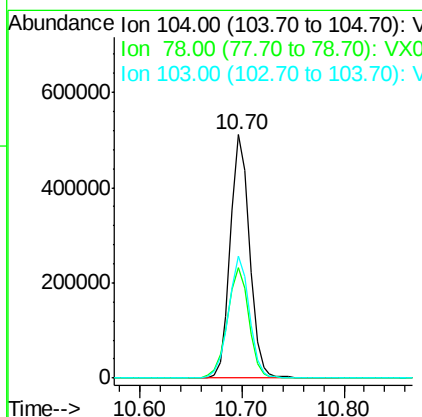
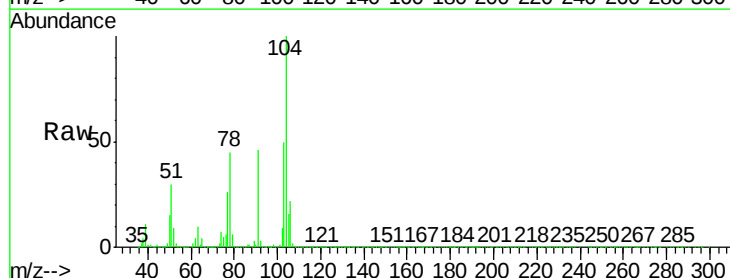
Manual Integrations
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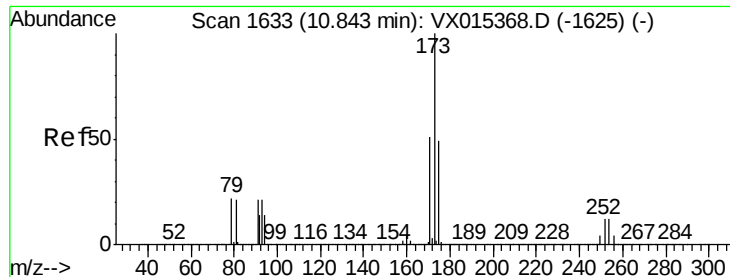
MMDadoda
4/14/2020 10:11:52 AM



#70
Styrene
Concen: 18.847 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.0	63.0
103	54.4	43.4	65.0





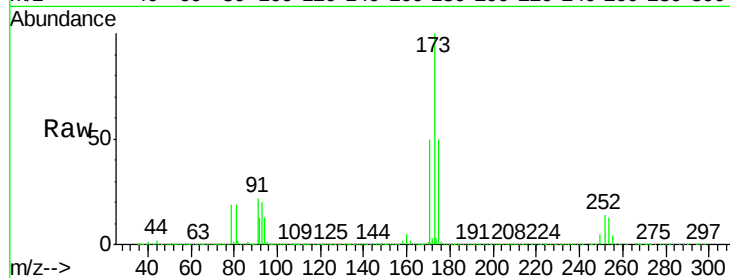
#71
Bromoform
Concen: 18.483 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
173	100	206015		
175	48.8	23.9	71.7	
254	0.3	0.1	0.1#	

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4/14/2020 10:11:52 AM

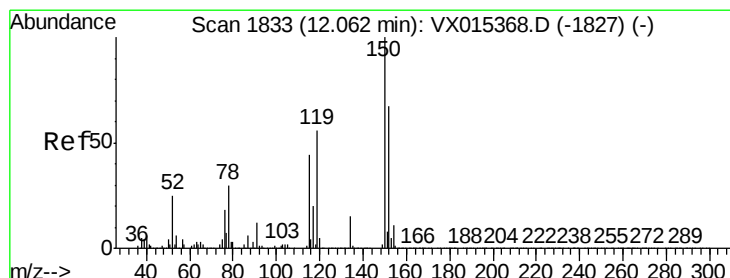
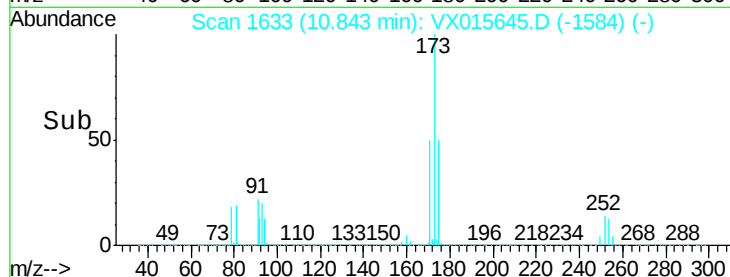
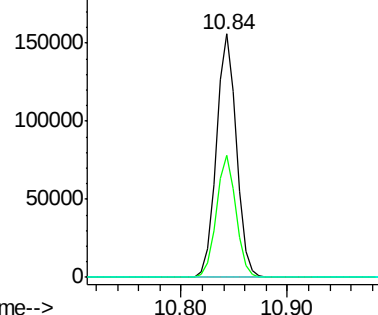


Abundance

Ion 172.70 (172.40 to 173.40): V

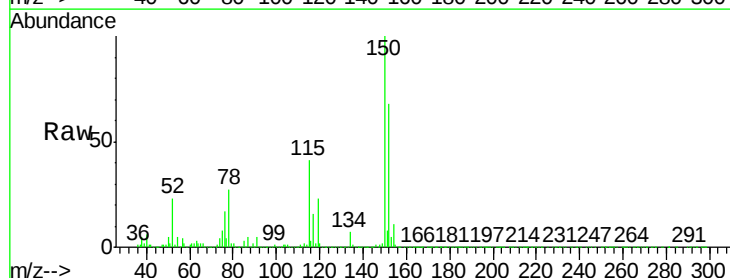
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	817953		
115	64.7	39.0	116.9	
150	160.9	0.0	340.8	

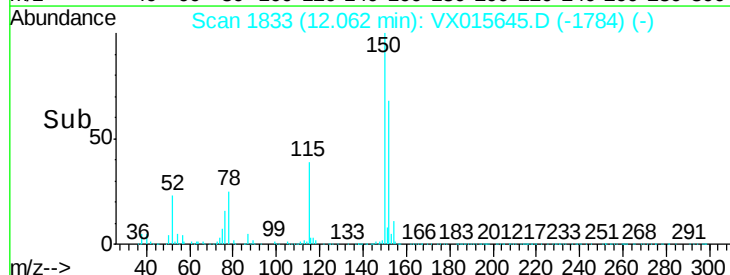
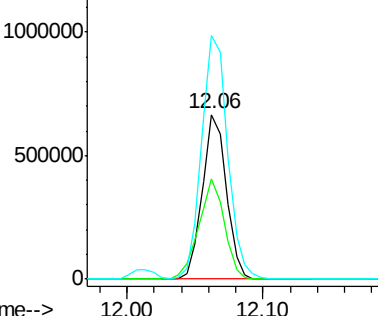


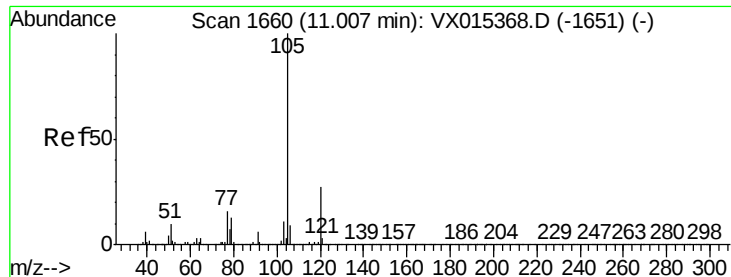
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.240 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 105 Resp: 977554

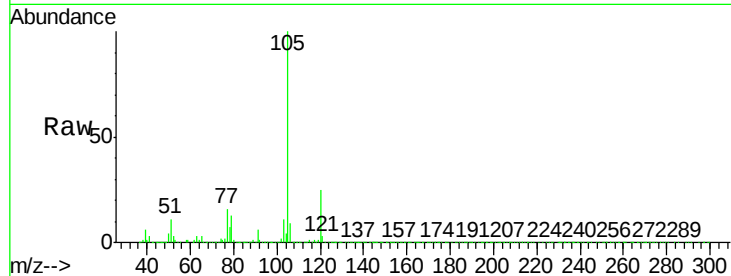
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

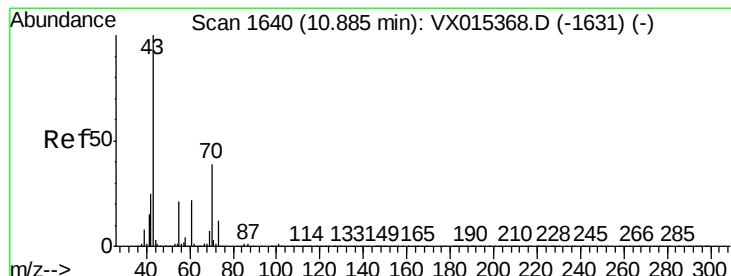
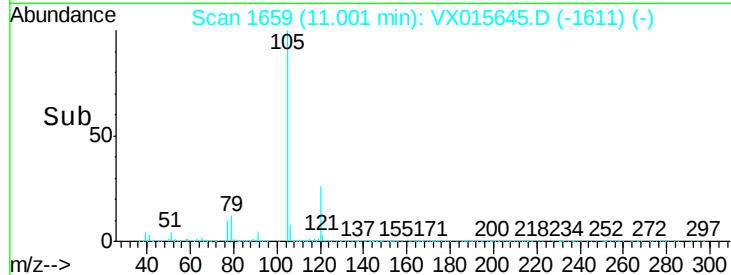
0

11.00

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 17.863 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion: 43 Resp: 532468

Ion Ratio Lower Upper

43 100

70 39.6 30.2 45.4

55 22.3 16.8 25.2

61 22.7 18.2 27.2

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

600000

400000

200000

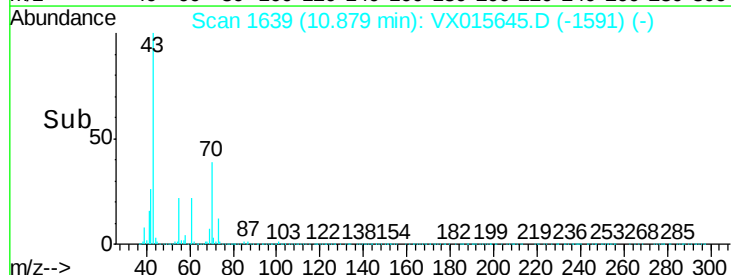
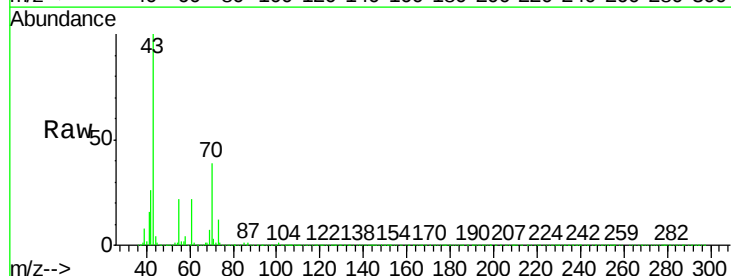
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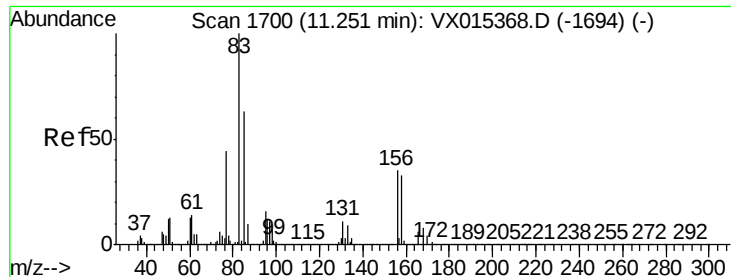
10.88

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.983 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

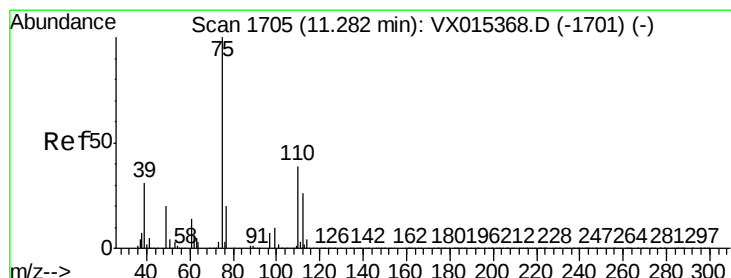
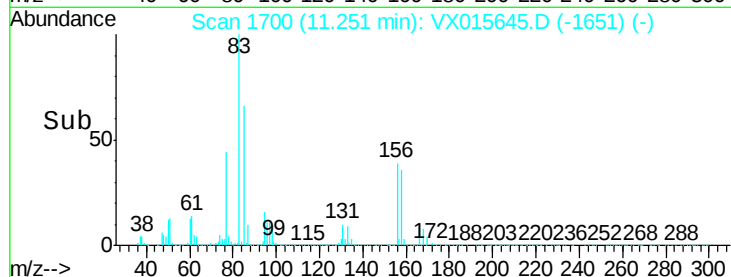
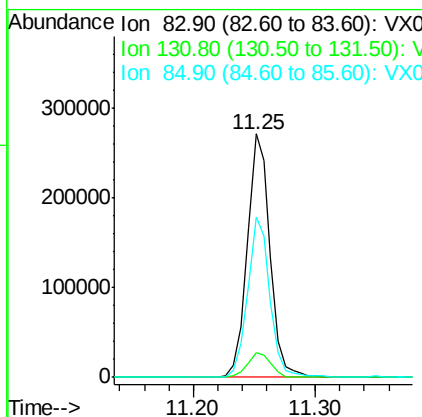
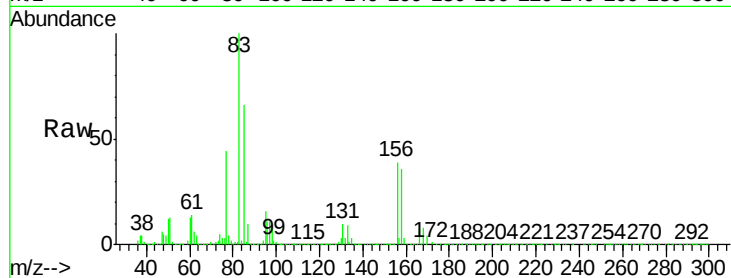
ClientSampled :

VX0413WBSD01

Tot Ion:	83	Resp:	349103
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	16.1
85	64.5	32.0	96.0

Manual Integrations
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4/14/2020 10:11:52 AM



#76

1,2,3-Trichloropropane

Concen: 19.271 ug/l m

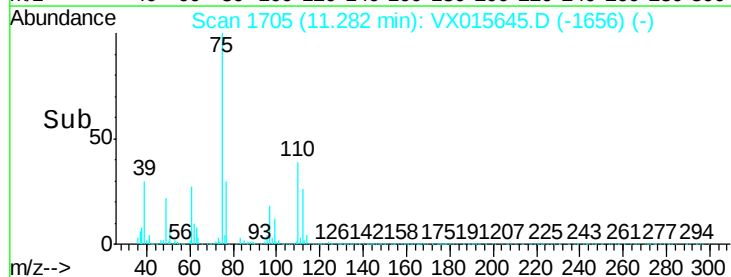
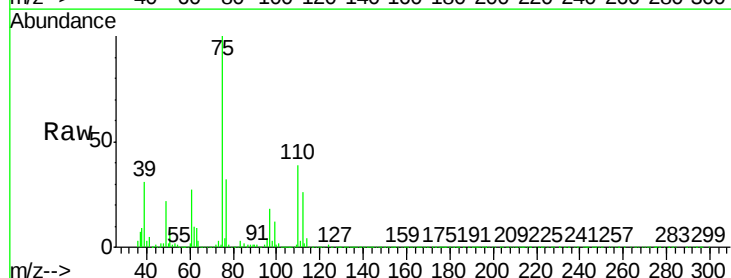
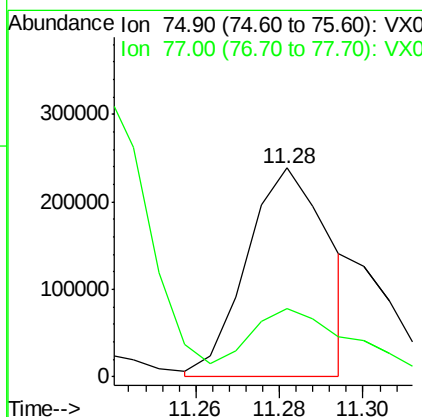
RT: 11.28 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion:	75	Resp:	324150
Ion Ratio	Lower	Upper	
75	100		
77	41.1	21.2	63.6





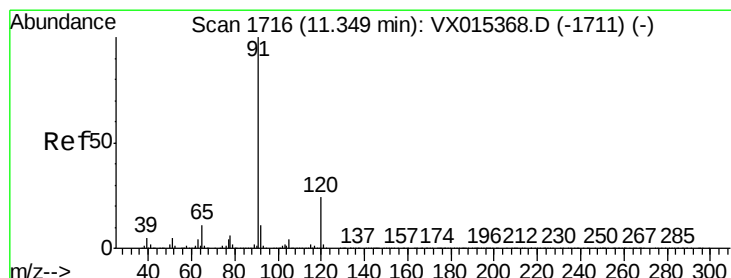
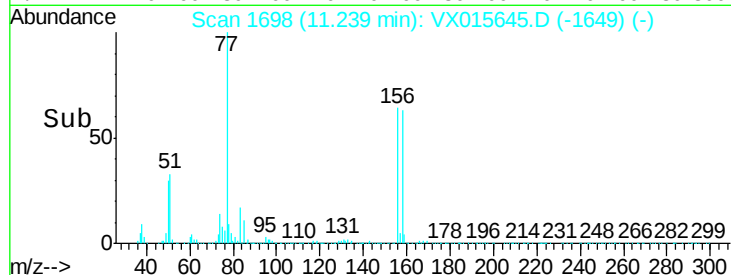
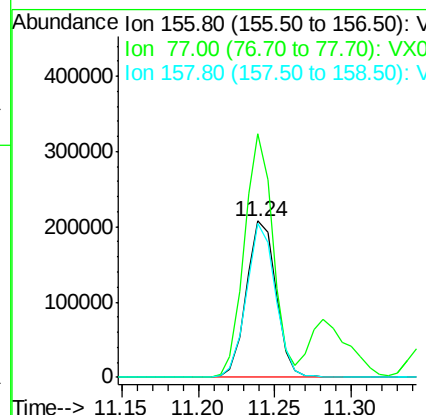
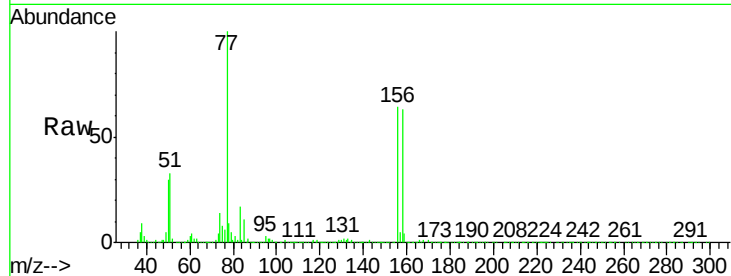
#77
Bromobenzene
Concen: 19.520 ug/l
RT: 11.24 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.1	82.2	246.5
158	96.6	49.3	147.9

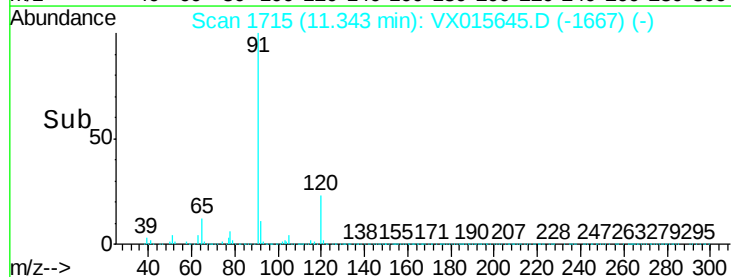
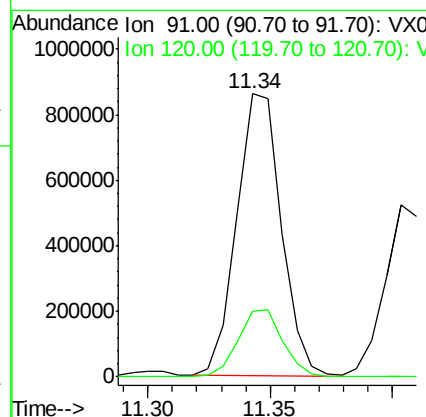
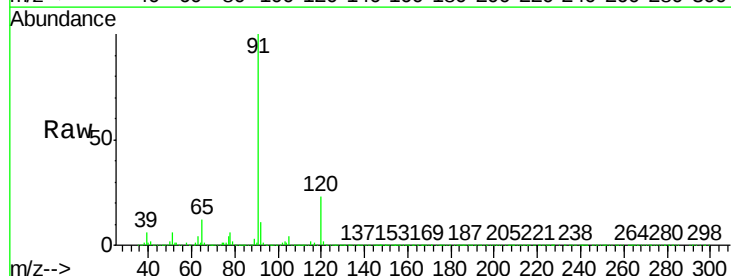
Manual Integrations
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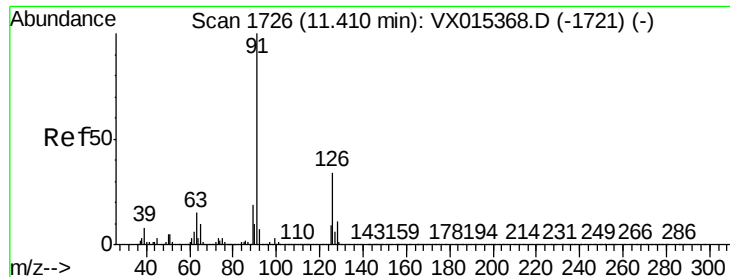
MMDadoda
4/14/2020 10:11:52 AM



#78
n-propylbenzene
Concen: 17.880 ug/l
RT: 11.34 min Scan# 1715
Delta R.T. -0.01 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.7	35.0





#79

2-Chlorotoluene

Concen: 18.036 ug/l

RT: 11.40 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 91 Resp: 677478

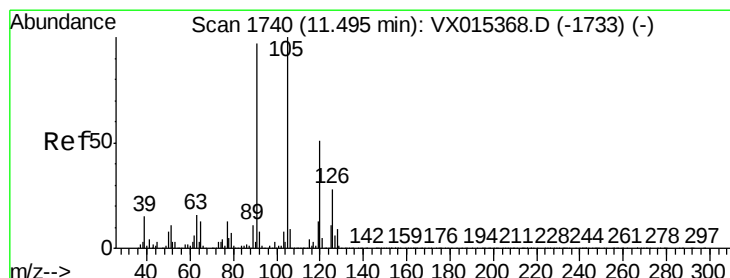
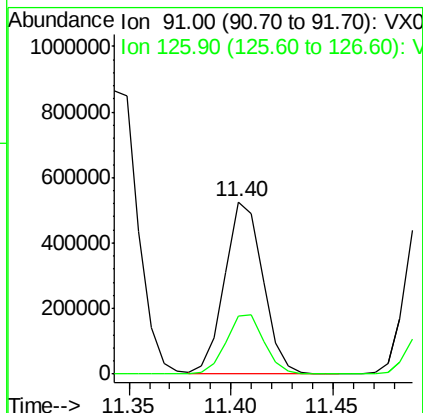
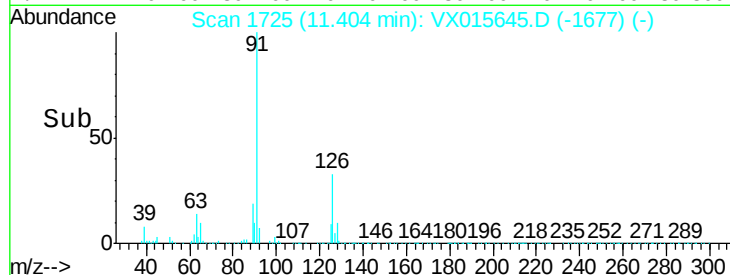
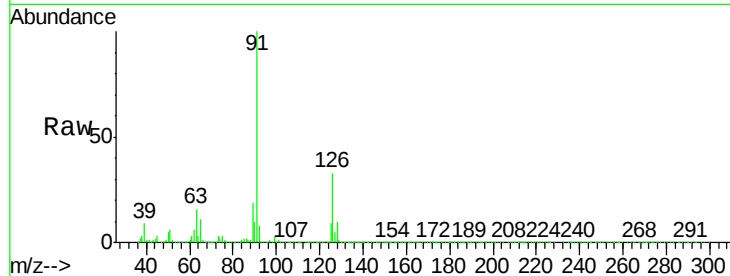
Ion Ratio Lower Upper

91 100

126 34.4 16.5 49.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 18.335 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015645.D

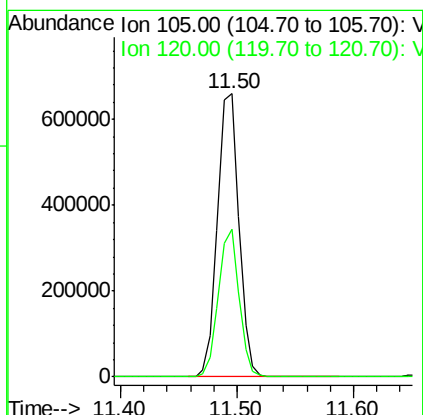
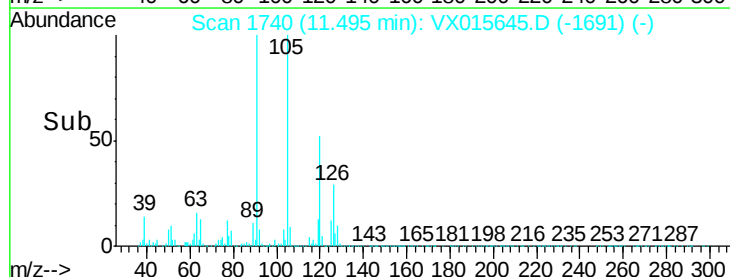
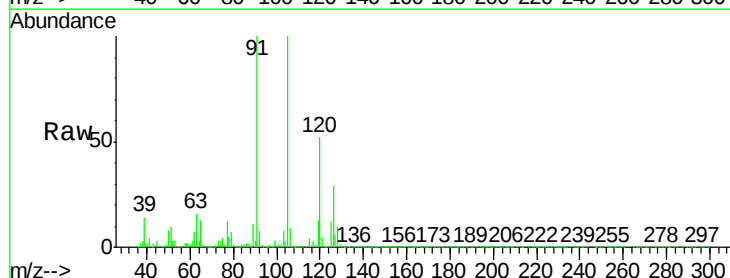
Acq: 13 Apr 2020 16:26

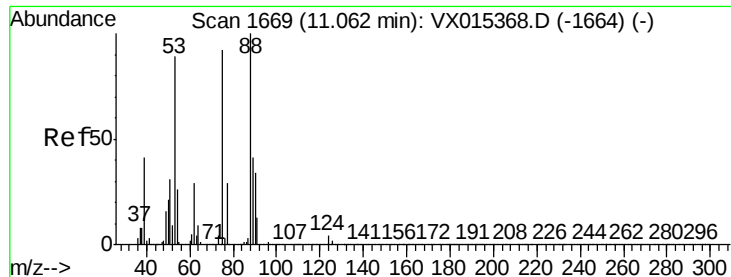
Tgt Ion: 105 Resp: 839194

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.4





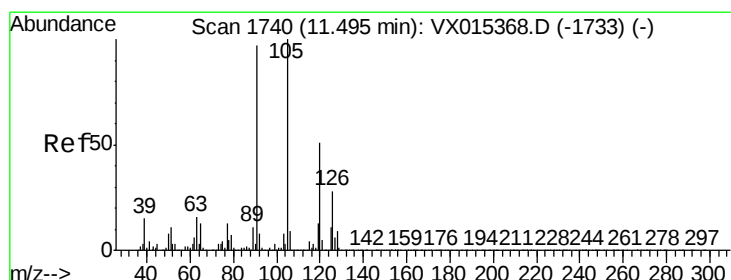
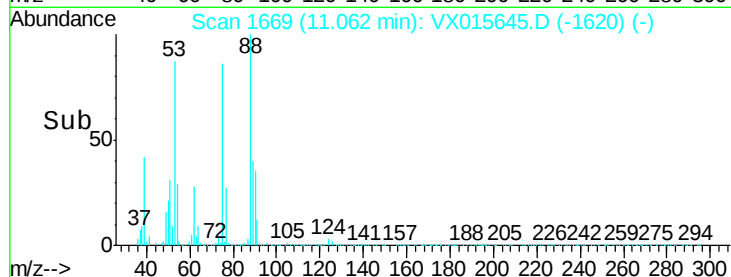
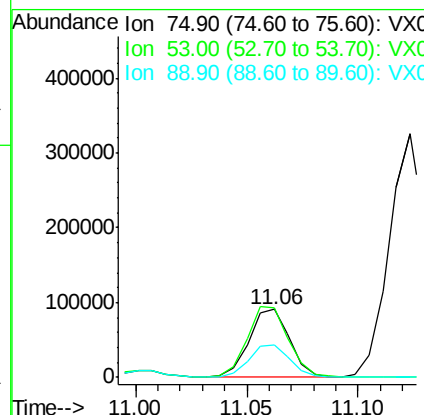
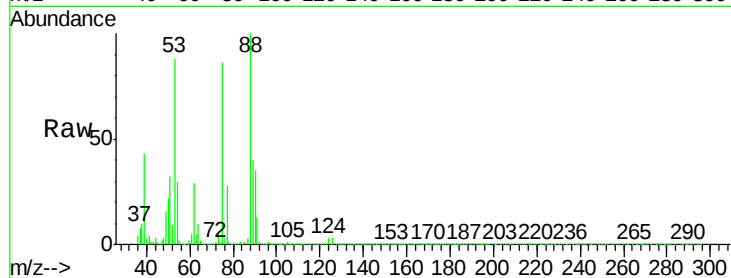
#81
trans-1,4-Dichloro-2-butene
Concen: 16.413 ug/l
RT: 11.06 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	80.1	120.1
89	48.2	36.1	54.1

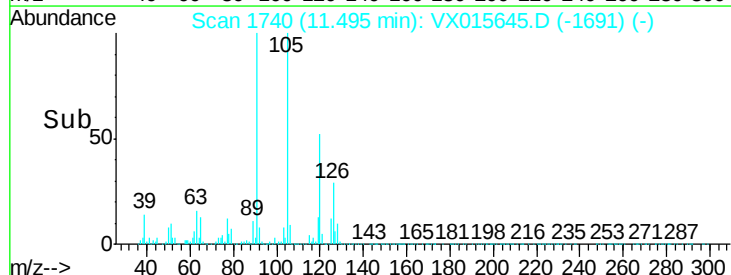
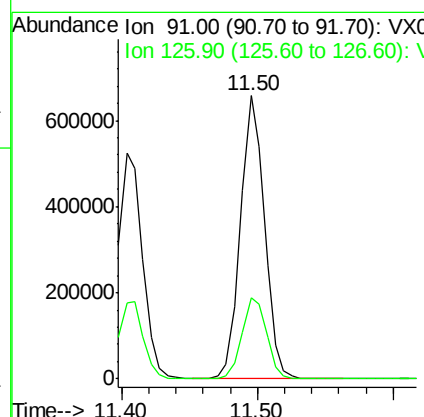
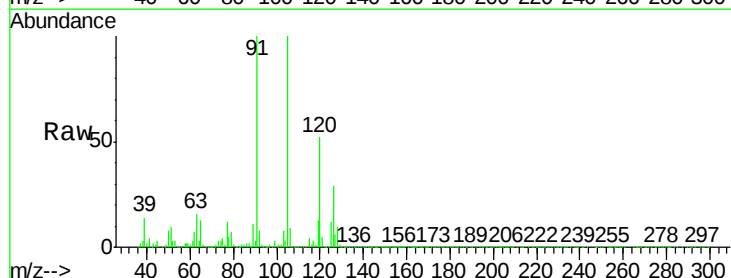
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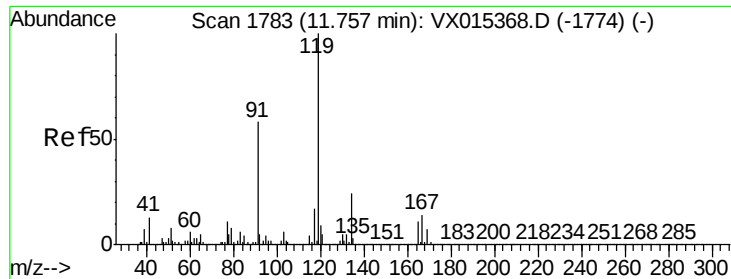
MMDadoda
4/14/2020 10:11:52 AM



#82
4-Chlorotoluene
Concen: 18.377 ug/l
RT: 11.50 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.7	44.1





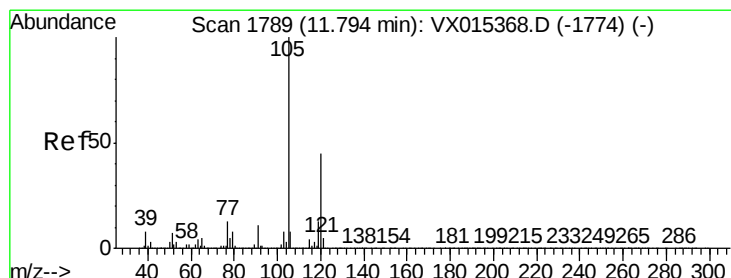
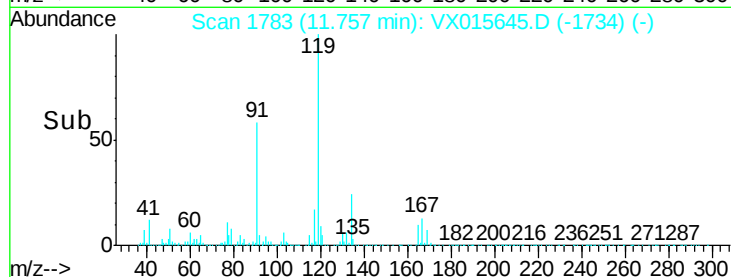
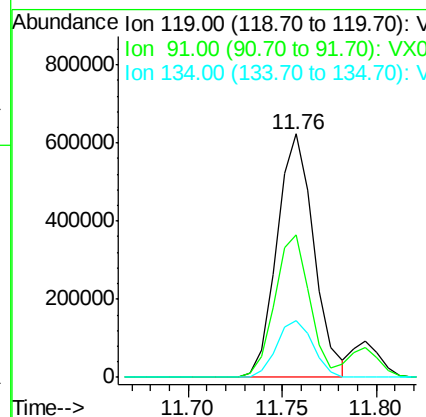
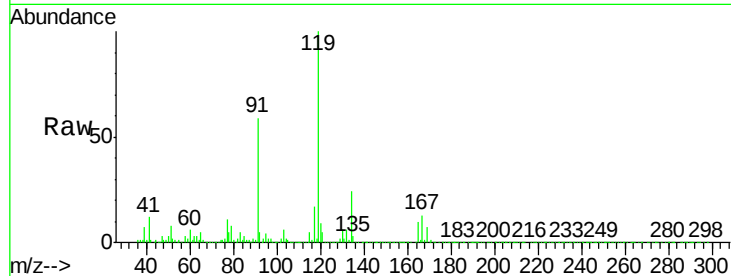
#83
tert-Butylbenzene
Concen: 18.899 ug/l
RT: 11.76 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	844942		
91	55.2	28.6	85.8	
134	23.0	11.8	35.3	

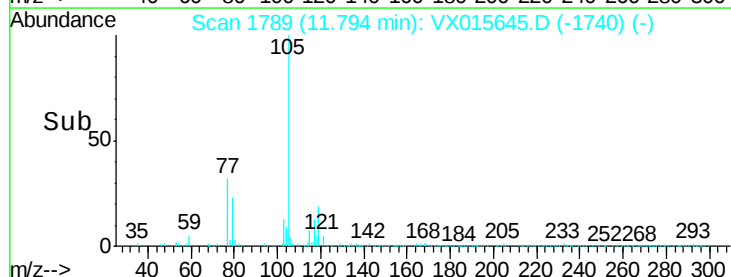
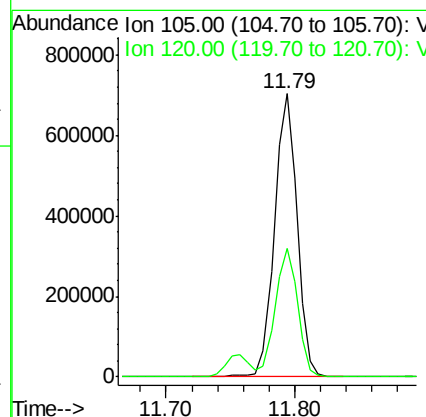
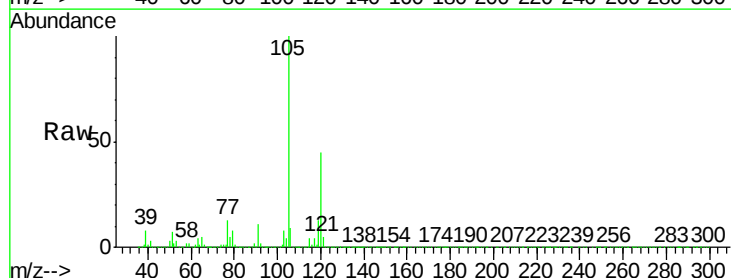
Manual Integrations
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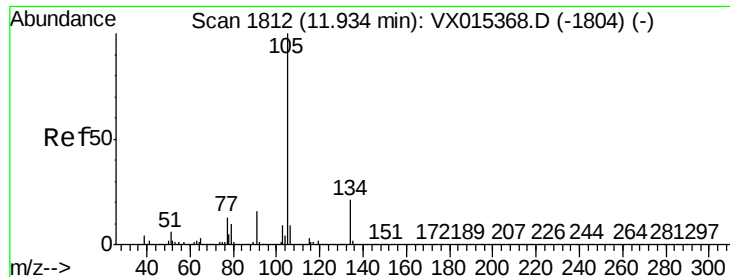
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.459 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	860981		
120	45.2	22.7	68.1	





#85

sec-Butylbenzene

Concen: 18.294 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion:105 Resp: 945945

Ion Ratio Lower Upper

105 100

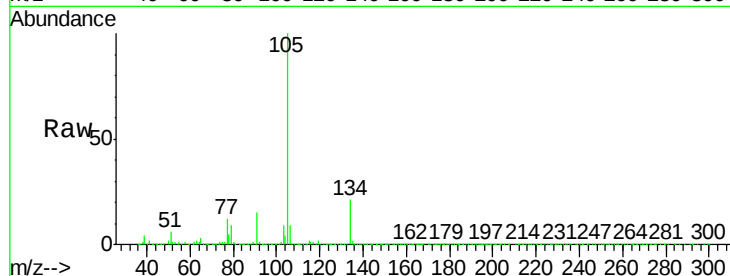
134 20.6 10.4 31.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

800000

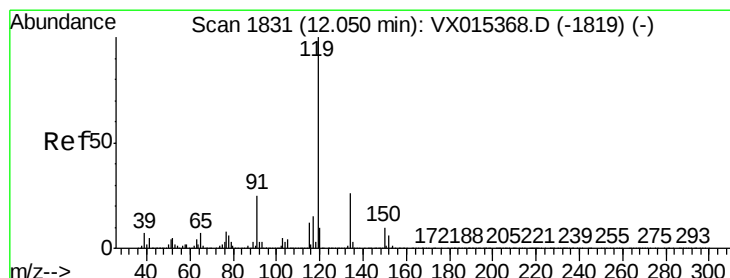
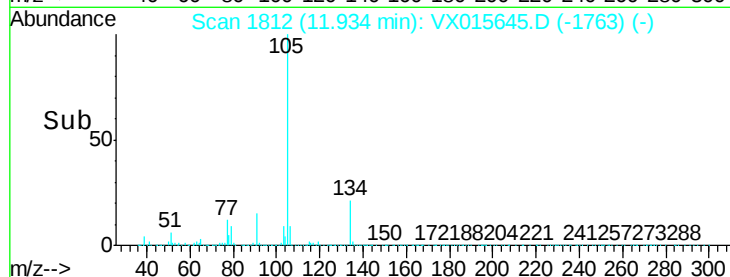
600000

400000

200000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 18.590 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

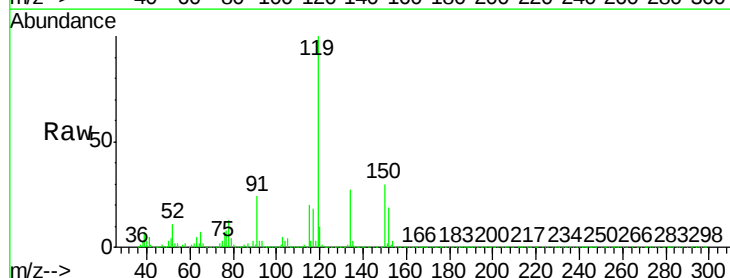
Tgt Ion:119 Resp: 892356

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 23.8 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.05

1000000

800000

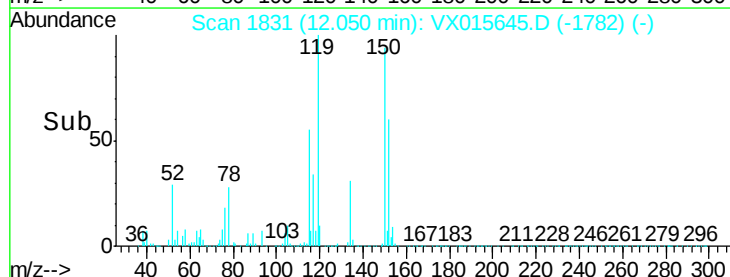
600000

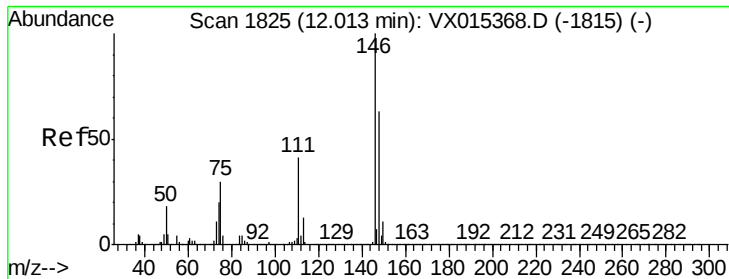
400000

200000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 19.243 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

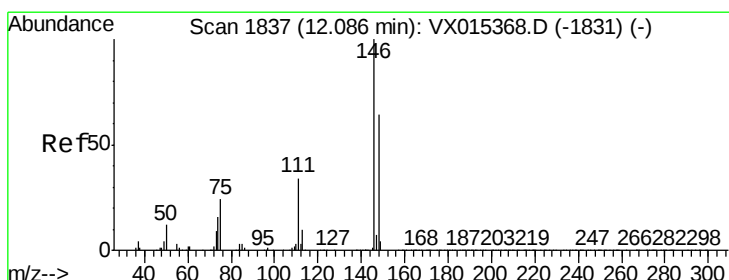
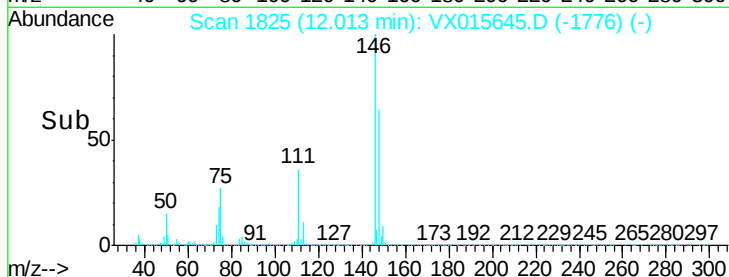
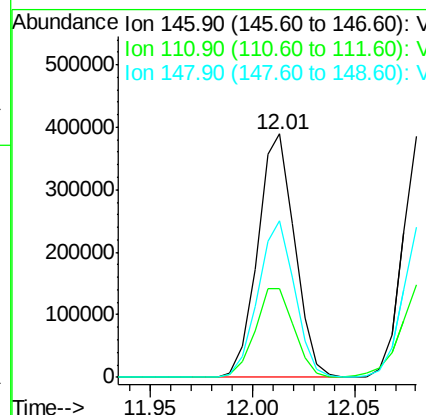
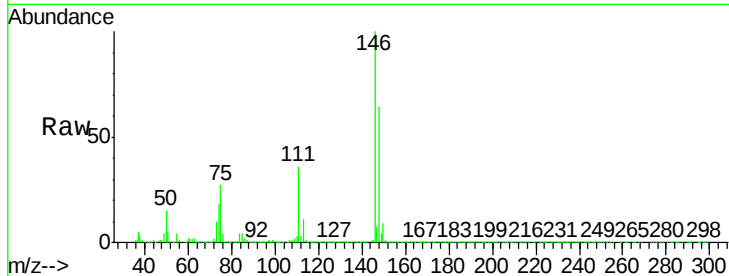
Instrument :
MSVOA_X

ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	60.9
148	63.6	31.3	93.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.983 ug/l

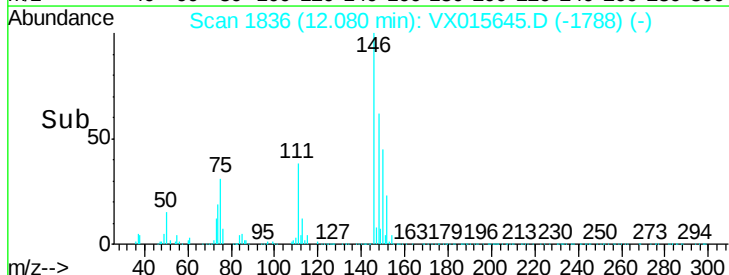
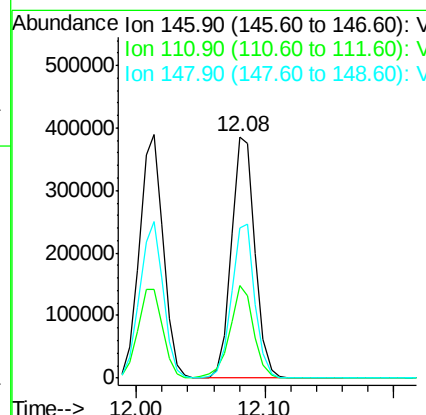
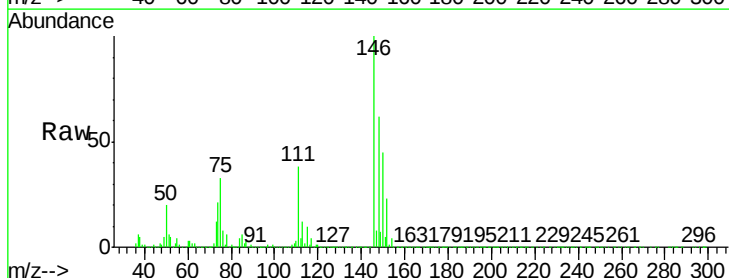
RT: 12.08 min Scan# 1836

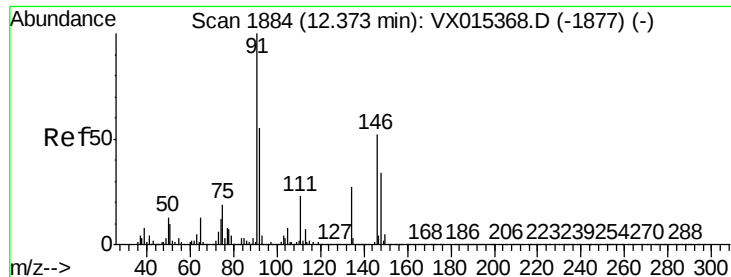
Delta R.T. -0.01 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.1	32.4	97.2





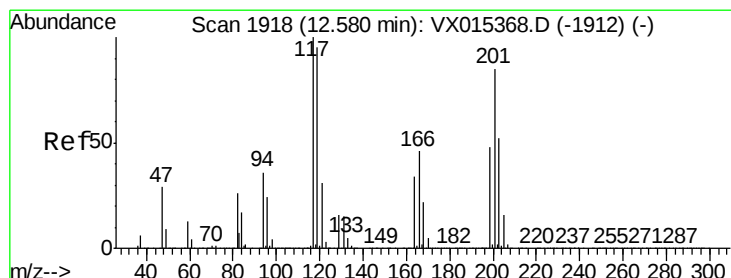
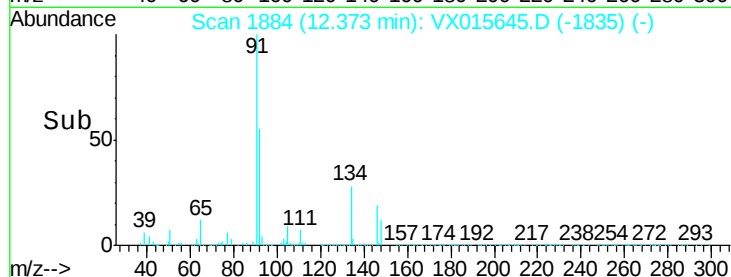
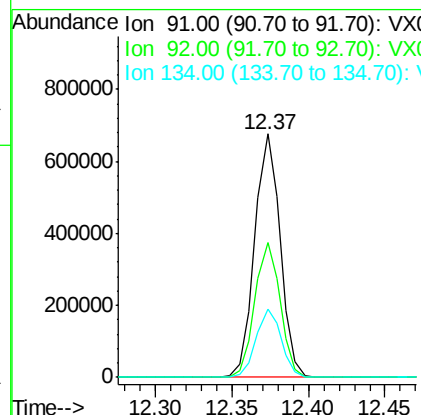
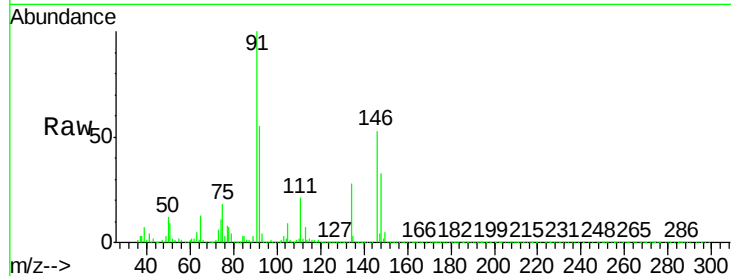
#89
n-Butylbenzene
Concen: 18.020 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	781686		
92	55.1	27.2	81.5	
134	27.9	13.4	40.2	

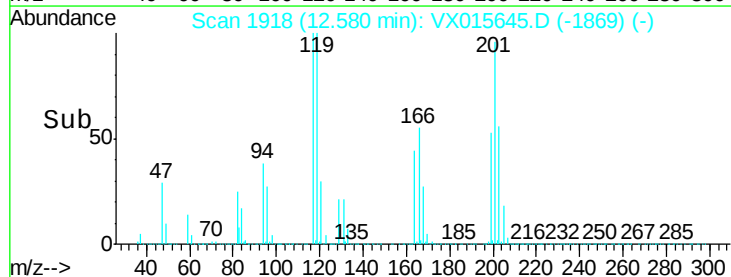
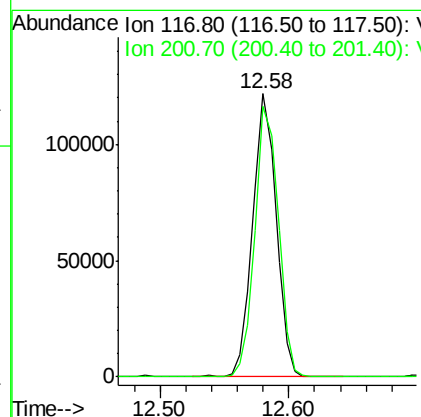
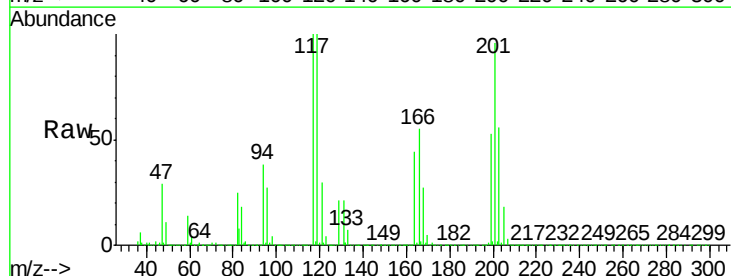
Manual Integrations
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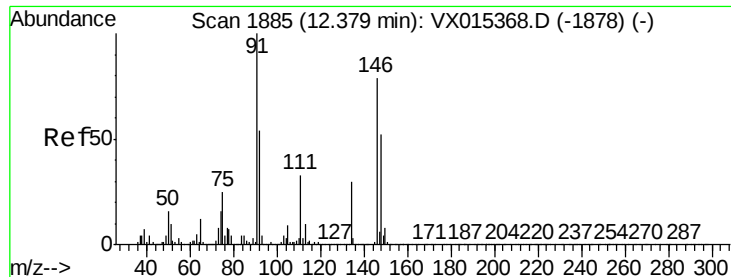
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#90
Hexachloroethane
Concen: 16.367 ug/l
RT: 12.58 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	152921		
201	95.2	42.6	128.0	





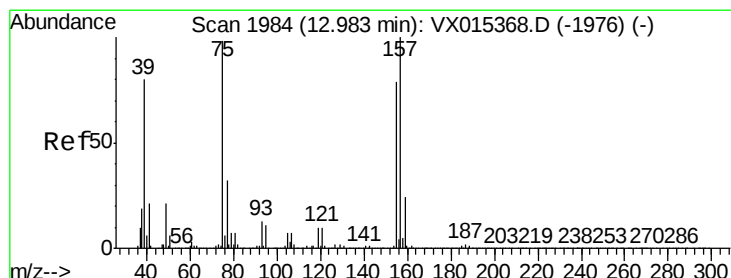
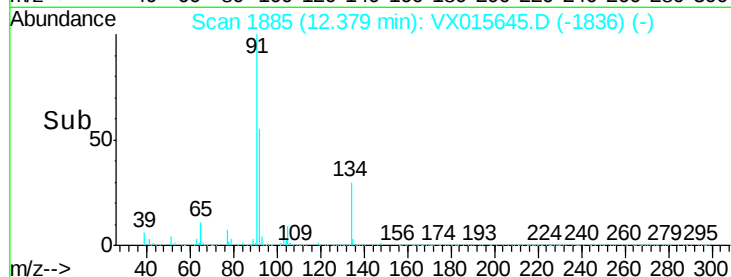
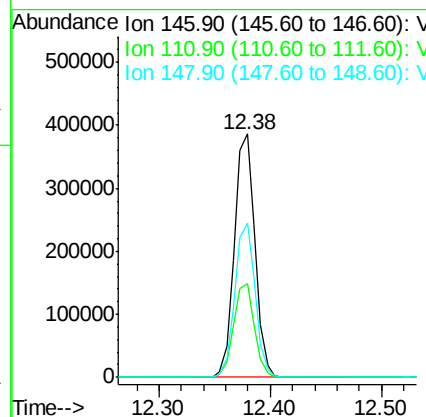
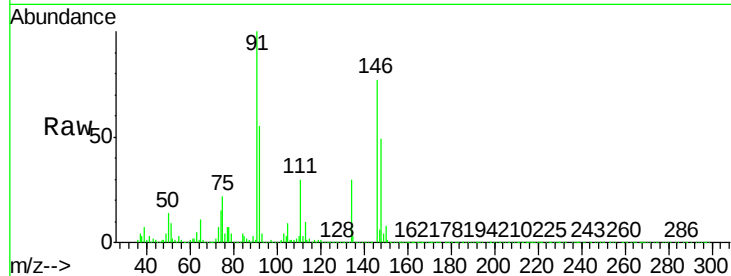
#91
 1,2-Dichlorobenzene
 Concen: 19.642 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	491925		
111	39.0	21.0	63.0	
148	62.4	32.4	97.0	

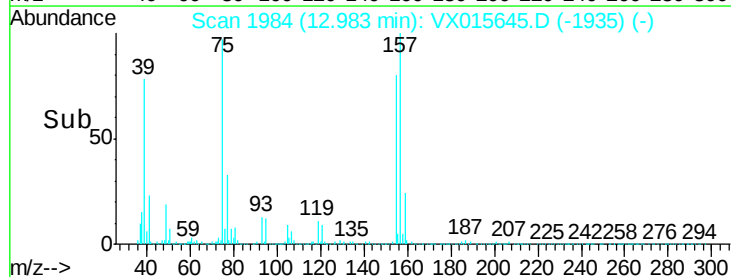
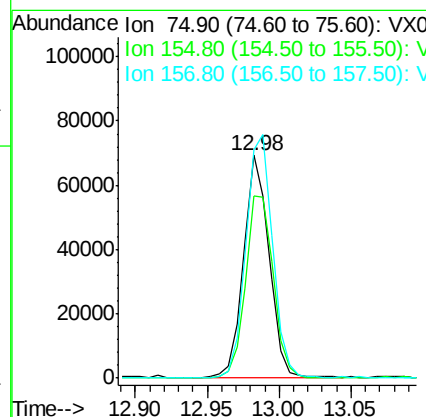
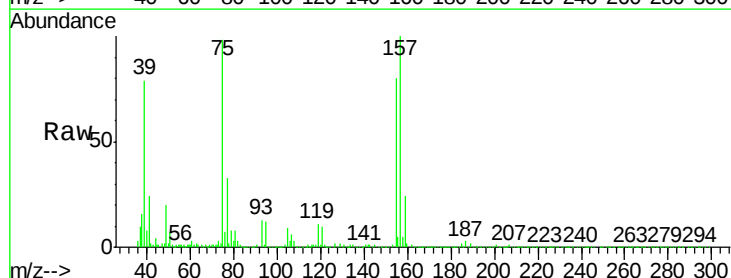
Manual Integrations
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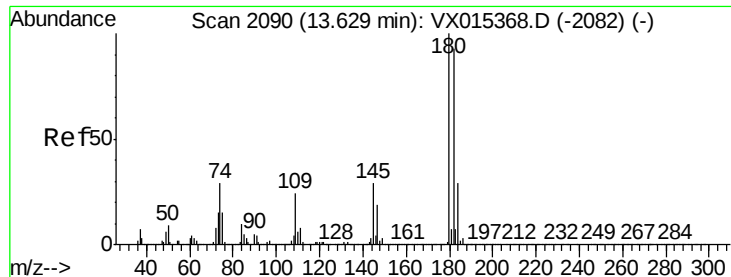
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.344 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VX015645.D
 Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84834		
155	88.4	42.8	128.4	
157	114.6	53.4	160.3	





#93

1,2,4-Trichlorobenzene

Concen: 18.890 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Instrument :

MSVOA_X

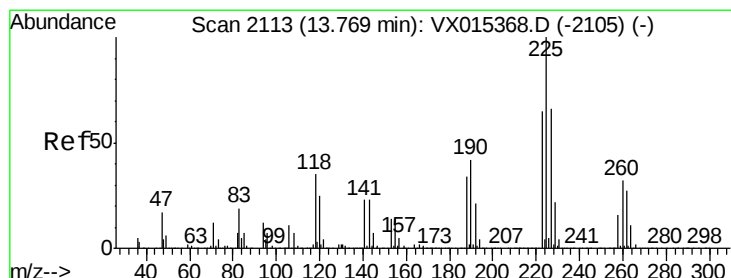
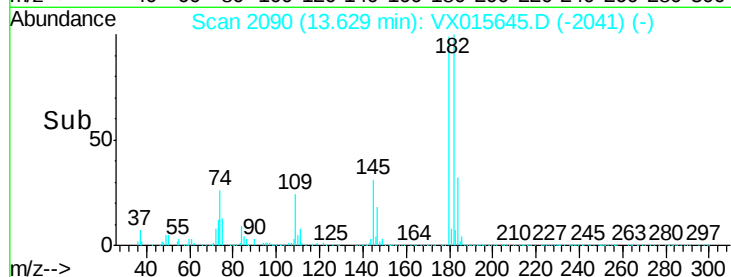
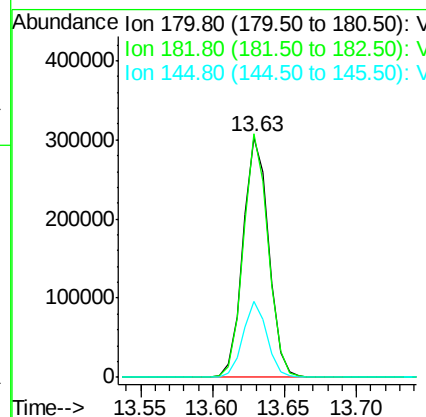
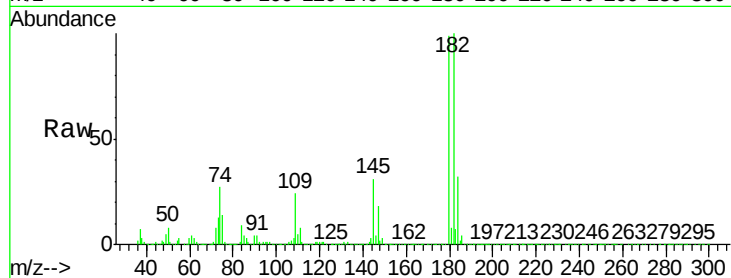
ClientSampleId :

VX0413WBSD01

Tot Ion:	180	Resp:	374218
Ion Ratio	Lower	Upper	
180	100		
182	97.8	46.9	140.7
145	29.6	14.9	44.5

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:52 AM



#94

Hexachlorobutadiene

Concen: 18.795 ug/l

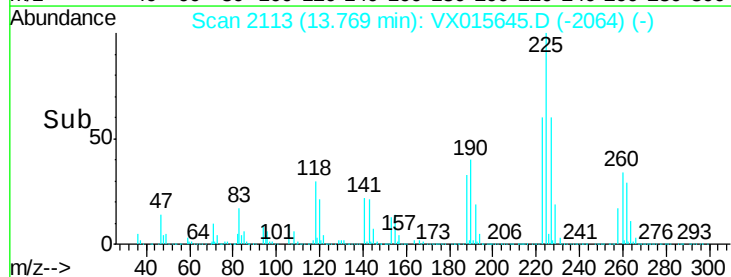
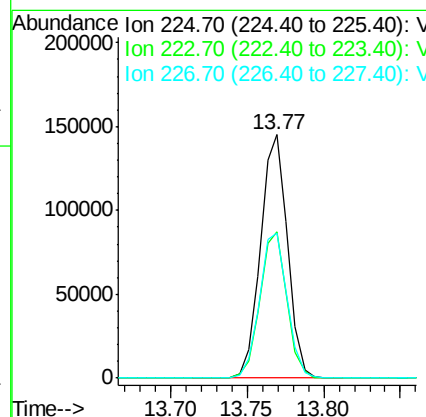
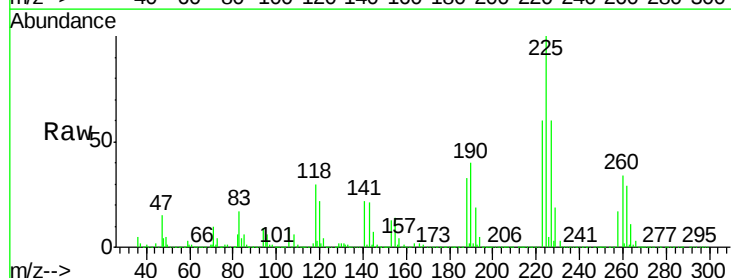
RT: 13.77 min Scan# 2113

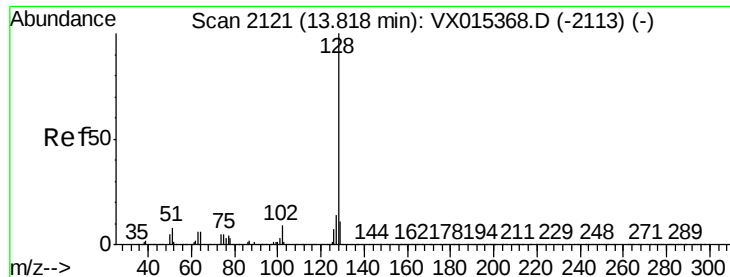
Delta R.T. 0.00 min

Lab File: VX015645.D

Acq: 13 Apr 2020 16:26

Tgt Ion:	225	Resp:	177274
Ion Ratio	Lower	Upper	
225	100		
223	59.9	31.9	95.7
227	61.4	30.4	91.3





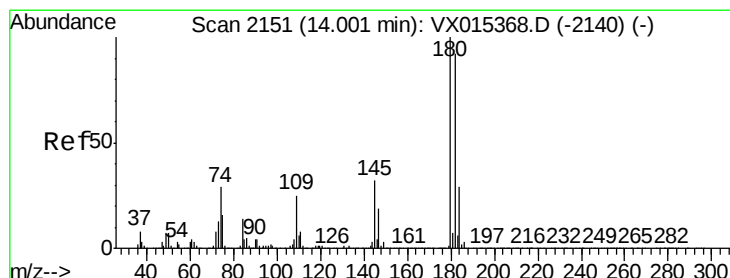
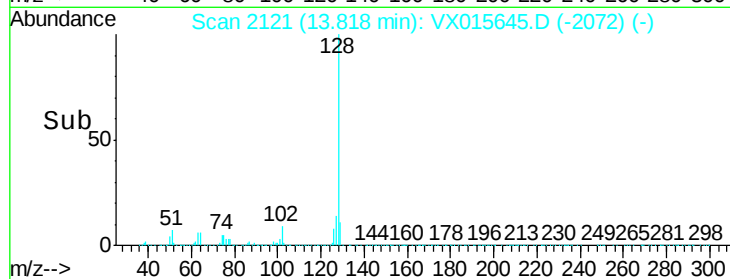
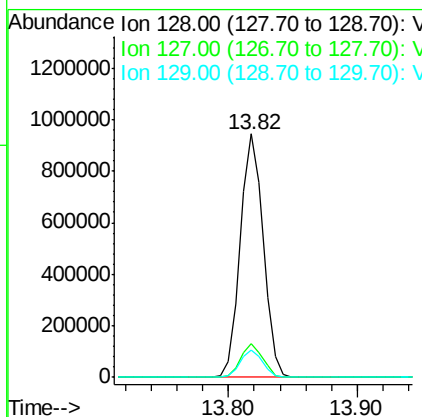
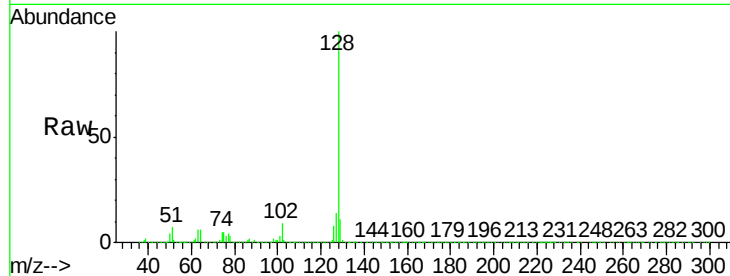
#95
Naphthalene
Concen: 19.296 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.551 ug/l
RT: 14.00 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VX015645.D
Acq: 13 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.7	140.0
145	30.4	15.8	47.3

