

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011599.D
 Acq On : 16 Aug 2019 23:27
 Operator : JC/SP
 Sample : VX0816WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:29:17 AM

Quant Time: Aug 19 03:52:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	367247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	516514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	460884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	247424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	157438	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	5.49	113	149979	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
50) Toluene-d8	8.71	98	483980	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
62) 4-Bromofluorobenzene	11.13	95	197492	44.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	74796	20.720	ug/l	97
3) Chloromethane	1.32	50	65347	17.429	ug/l	99
4) Vinyl Chloride	1.40	62	65319	19.286	ug/l	98
5) Bromomethane	1.64	94	34040	22.431	ug/l	99
6) Chloroethane	1.72	64	33784	21.076	ug/l	99
7) Trichlorofluoromethane	1.92	101	93606	19.954	ug/l	98
8) Diethyl Ether	2.18	74	33514	20.826	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59303	18.302	ug/l	98
10) Methyl Iodide	2.50	142	81746	17.710	ug/l	99
11) Tert butyl alcohol	3.04	59	84850	101.553	ug/l	97
12) 1,1-Dichloroethene	2.37	96	59531	19.011	ug/l	97
13) Acrolein	2.29	56	22337	94.834	ug/l	97
14) Allyl chloride	2.72	41	100319	19.259	ug/l	98
15) Acrylonitrile	3.14	53	192329	100.577	ug/l	100
16) Acetone	2.43	43	168524	98.410	ug/l	98
17) Carbon Disulfide	2.56	76	137211	18.596	ug/l	99
18) Methyl Acetate	2.76	43	108551	20.439	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	207428	20.339	ug/l	99
20) Methylene Chloride	2.85	84	69456	19.317	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	64625	19.475	ug/l	98
22) Diisopropyl ether	3.85	45	209885	20.232	ug/l	97
23) Vinyl Acetate	3.81	43	825273	100.464	ug/l	99
24) 1,1-Dichloroethane	3.69	63	113653	19.378	ug/l	99
25) 2-Butanone	4.67	43	269804	100.358	ug/l	97
26) 2,2-Dichloropropane	4.57	77	69437	15.730	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	76350	19.737	ug/l	98
28) Bromochloromethane	5.01	49	49384	19.180	ug/l	98
29) Tetrahydrofuran	5.12	42	177161	100.458	ug/l	99
30) Chloroform	5.20	83	121958	19.703	ug/l	98
31) Cyclohexane	5.57	56	99169	19.638	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	104215	19.581	ug/l	97
36) 1,1-Dichloropropene	5.79	75	84054	19.033	ug/l	97
37) Ethyl Acetate	4.82	43	101689	20.020	ug/l	98
38) Carbon Tetrachloride	5.78	117	93520	19.221	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	98678	18.094	ug/l	97
40) Benzene	6.14	78	264385	19.265	ug/l	100
41) Methacrylonitrile	5.03	41	58165	20.806	ug/l	97
42) 1,2-Dichloroethane	6.19	62	94875	19.954	ug/l	99
43) Isopropyl Acetate	6.44	43	153395	19.351	ug/l	99
44) Trichloroethene	7.21	130	78825	19.362	ug/l	94
45) 1,2-Dichloropropane	7.51	63	67121	19.612	ug/l	96
46) Dibromomethane	7.66	93	46524	18.706	ug/l	99
47) Bromodichloromethane	7.89	83	86600	18.964	ug/l	99
48) Methyl methacrylate	7.77	41	76880	19.585	ug/l	98
49) 1,4-Dioxane	7.73	88	39747	380.679	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	522221	100.649	ug/l	100
52) Toluene	8.78	92	171492	19.615	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86464	18.243	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	98616	19.013	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	71905	19.340	ug/l	99
56) Ethyl methacrylate	9.18	69	107662	19.923	ug/l	99
57) 1,3-Dichloropropane	9.37	76	115782	19.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	271941	100.997	ug/l	99
59) 2-Hexanone	9.49	43	399810	99.923	ug/l	99
60) Dibromochloromethane	9.58	129	75675	19.535	ug/l	99
61) 1,2-Dibromoethane	9.67	107	76537	19.288	ug/l	100
64) Tetrachloroethene	9.34	164	75014	19.837	ug/l	99
65) Chlorobenzene	10.13	112	191131	19.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	73062	19.885	ug/l	100
67) Ethyl Benzene	10.25	91	326078	19.876	ug/l	100
68) m/p-Xylenes	10.35	106	250828	39.831	ug/l	97
69) o-Xylene	10.69	106	123102	19.957	ug/l	99
70) Styrene	10.71	104	206900	19.924	ug/l	99
71) Bromoform	10.85	173	58726	18.656	ug/l #	99
73) Isopropylbenzene	11.02	105	326254	20.321	ug/l	100
74) N-amyl acetate	10.90	43	131867	19.327	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	109116	19.757	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	95176m	20.286	ug/l	
77) Bromobenzene	11.25	156	94970	19.882	ug/l	100
78) n-propylbenzene	11.36	91	349165	20.169	ug/l	100
79) 2-Chlorotoluene	11.42	91	214268	20.156	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	276038	20.467	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	26038	18.171	ug/l	91
82) 4-Chlorotoluene	11.51	91	248454	20.145	ug/l	99
83) tert-Butylbenzene	11.77	119	278652	20.286	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	283235	20.919	ug/l	100
85) sec-Butylbenzene	11.94	105	311232	20.083	ug/l	99
86) p-Isopropyltoluene	12.06	119	296931	20.366	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	162163	19.751	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	162153	19.486	ug/l	99
89) n-Butylbenzene	12.38	91	227868	19.011	ug/l	99
90) Hexachloroethane	12.59	117	44827	19.470	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	162958	19.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24266	19.205	ug/l	98

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ClientSampleId :
VX0816WBSD02

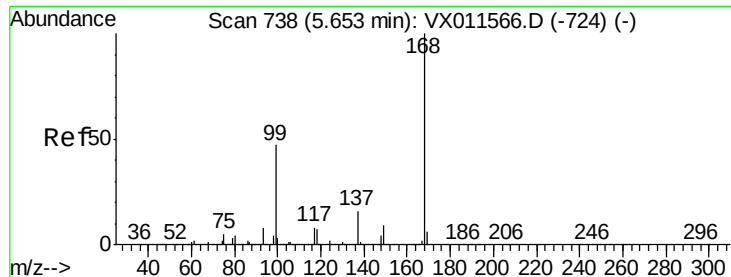
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	118908	19.363	ug/l	99
94) Hexachlorobutadiene	13.78	225	61550	18.407	ug/l	99
95) Naphthalene	13.83	128	362373	20.873	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	124260	20.062	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion:168 Resp: 367247

Ion Ratio Lower Upper

168 100

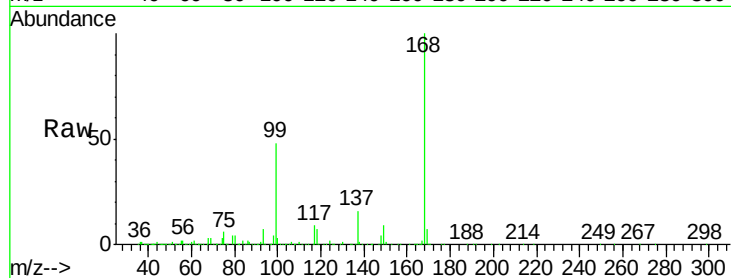
99 47.7 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

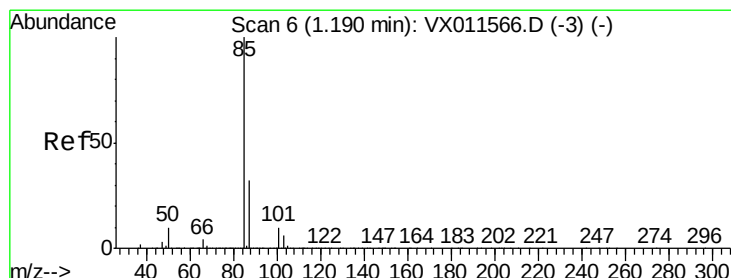
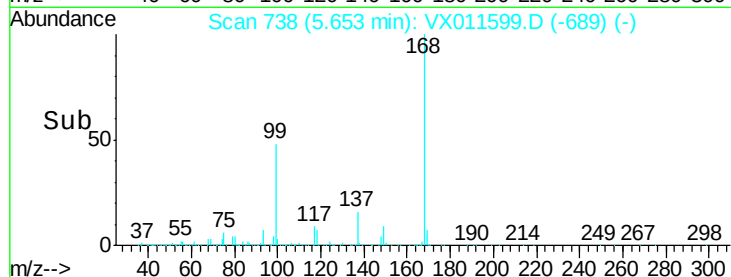
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.720 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011599.D

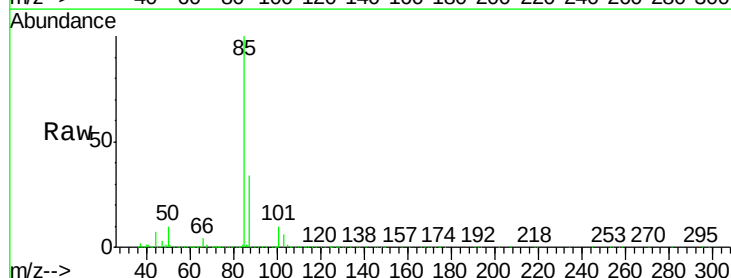
Acq: 16 Aug 2019 23:27

Tgt Ion: 85 Resp: 74796

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

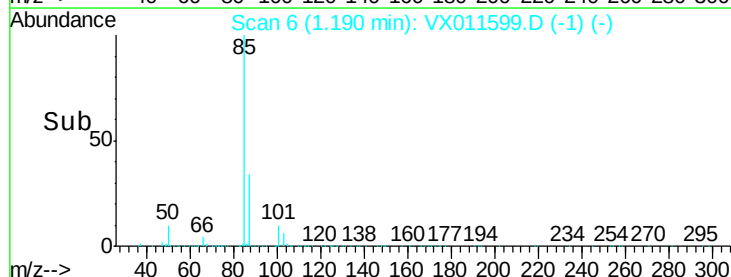
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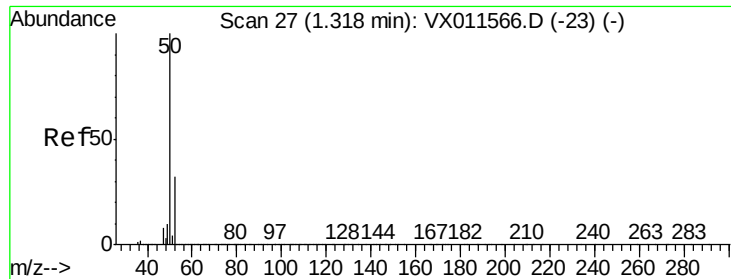
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20000

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Time-->





#3

Chloromethane

Concen: 17.429 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion: 50 Resp: 65347

Ion Ratio Lower Upper

50 100

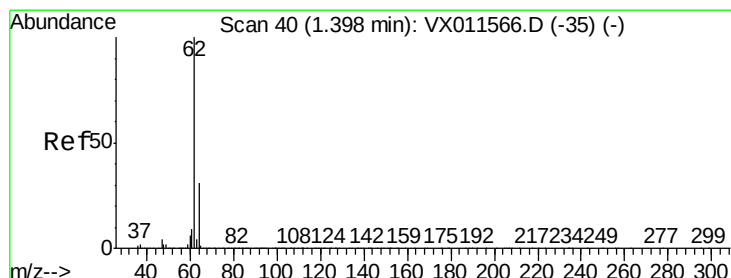
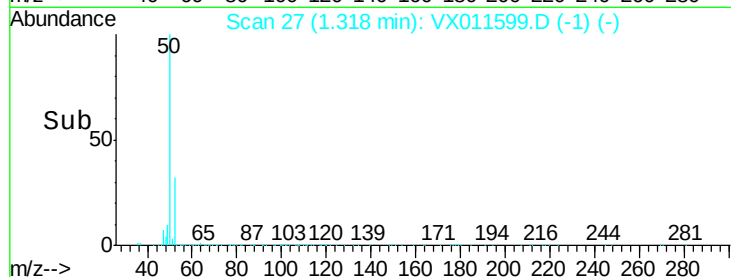
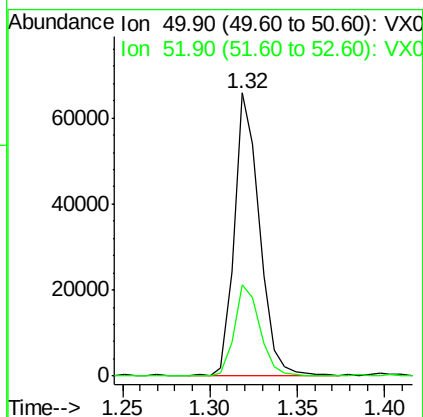
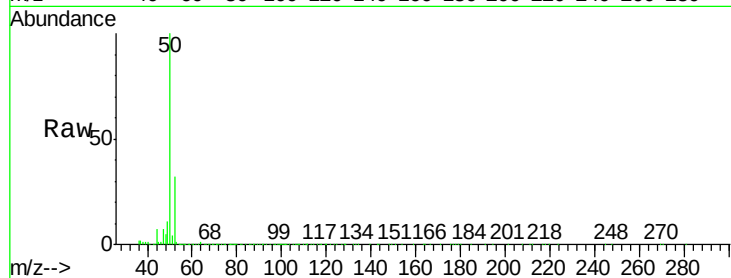
52 31.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.286 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011599.D

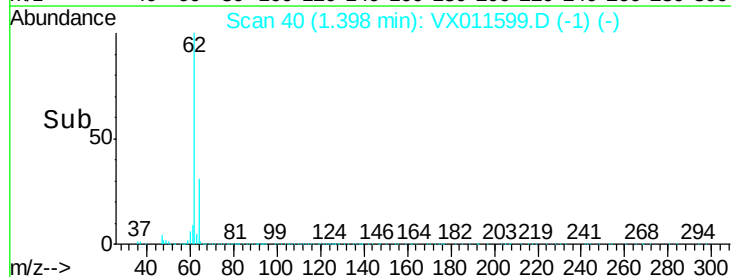
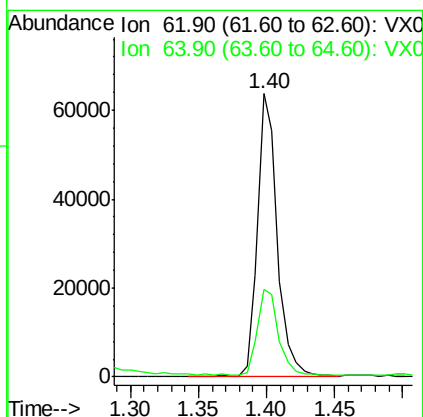
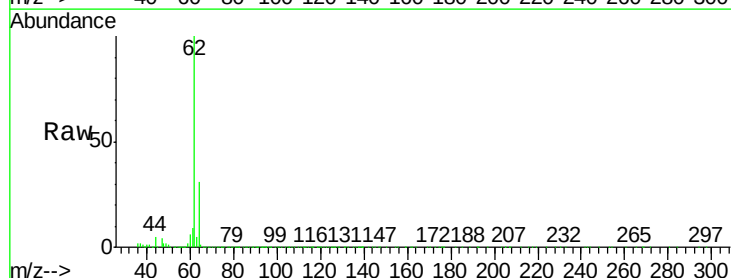
Acq: 16 Aug 2019 23:27

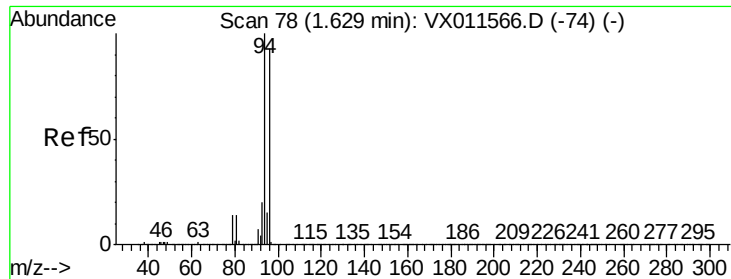
Tgt Ion: 62 Resp: 65319

Ion Ratio Lower Upper

62 100

64 30.1 25.0 37.4





#5

Bromomethane

Concen: 22.431 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion: 94 Resp: 34040

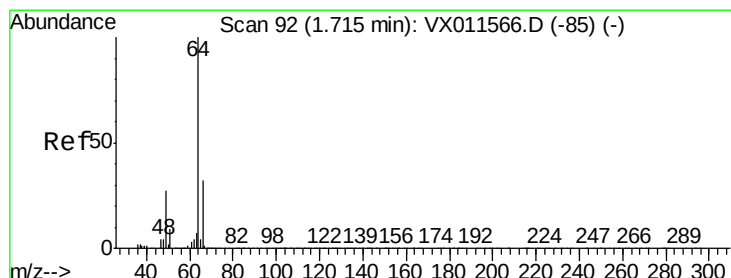
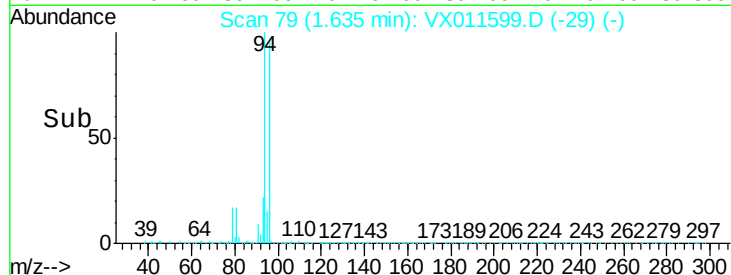
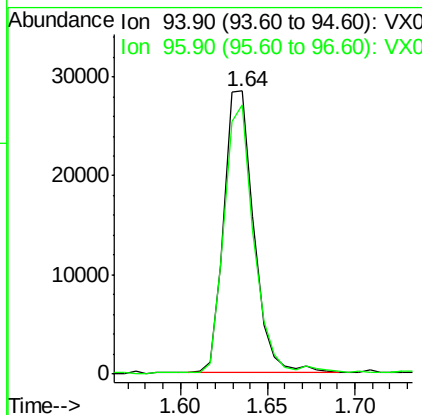
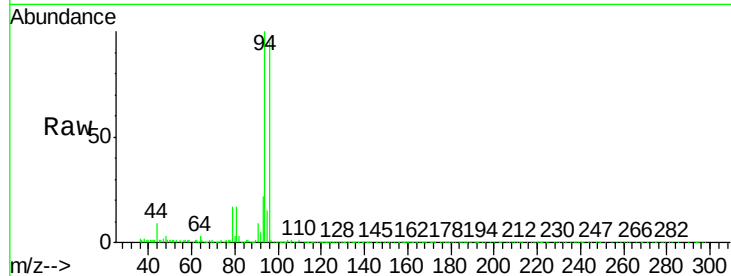
Ion Ratio Lower Upper

94 100

96 94.6 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 21.076 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011599.D

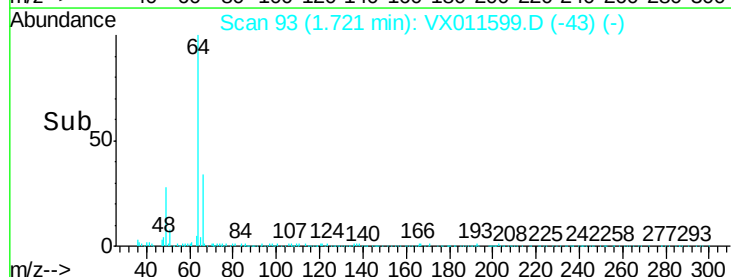
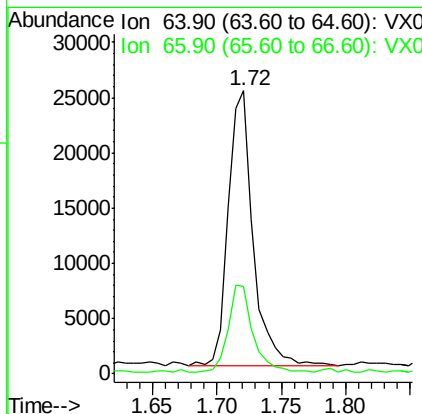
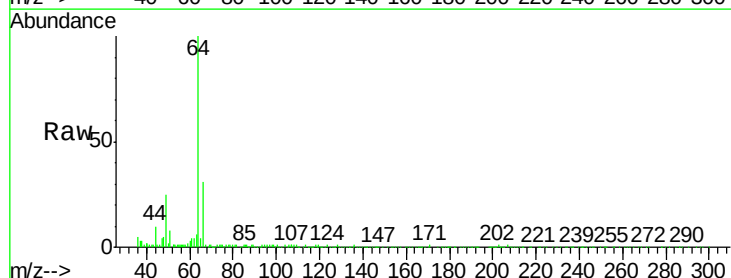
Acq: 16 Aug 2019 23:27

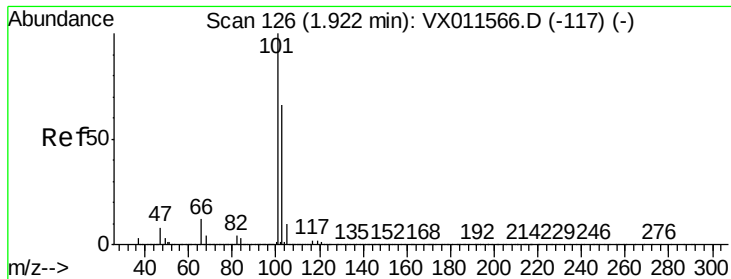
Tgt Ion: 64 Resp: 33784

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9





#7

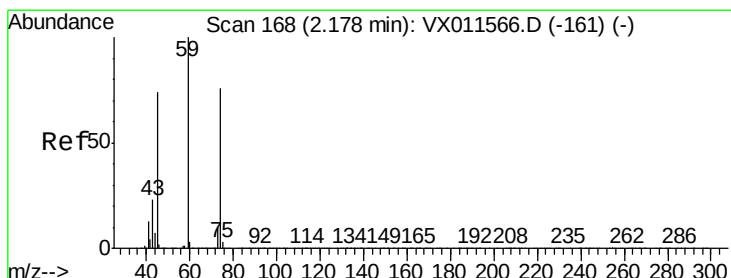
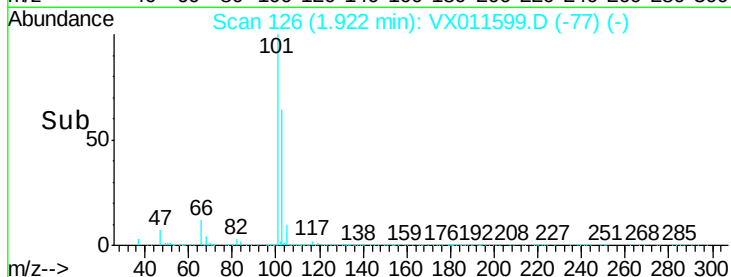
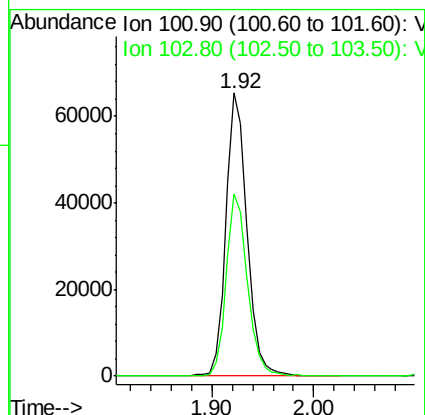
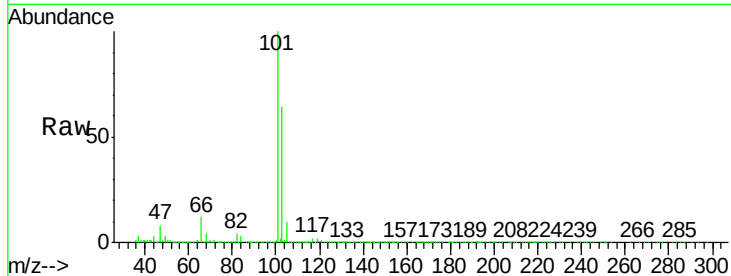
Trichlorofluoromethane
 Concen: 19.954 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
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 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.9	79.3

Manual Integrations
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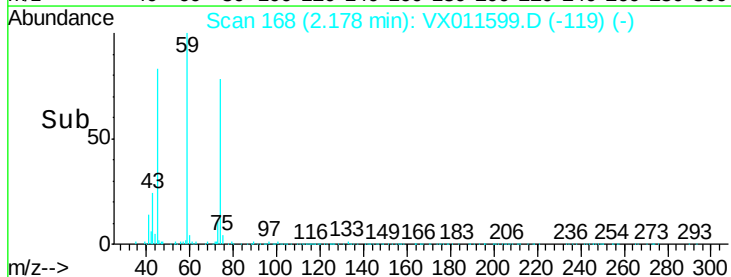
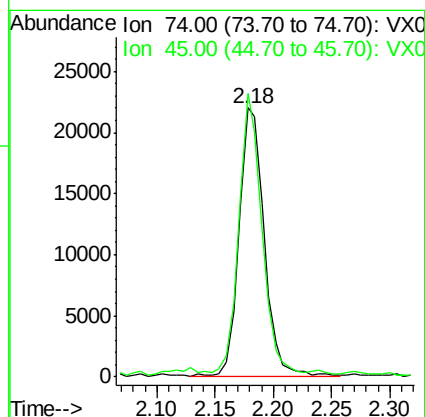
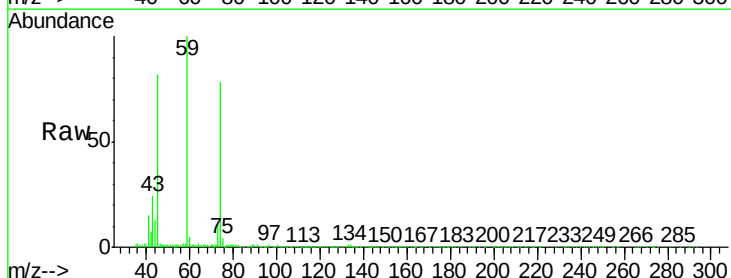
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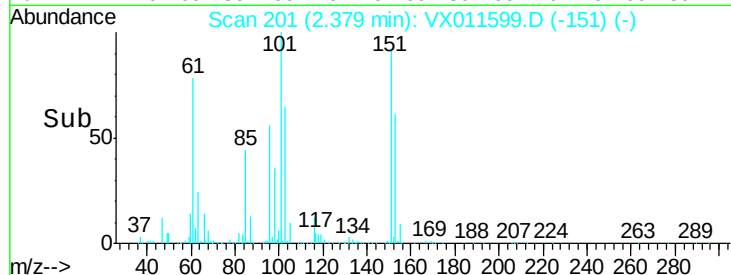
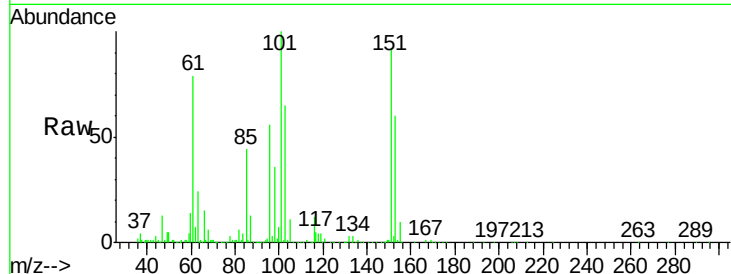
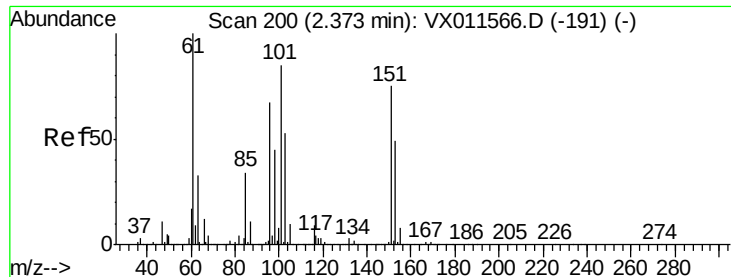


#8

Diethyl Ether
 Concen: 20.826 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	48.2	144.6





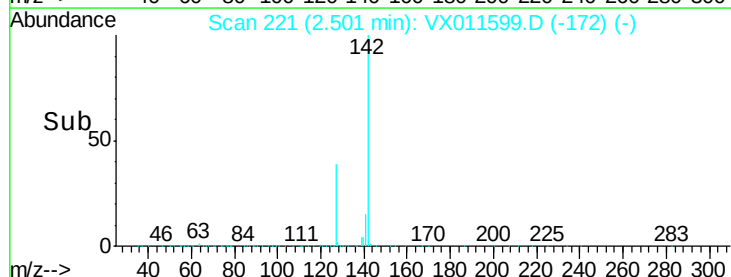
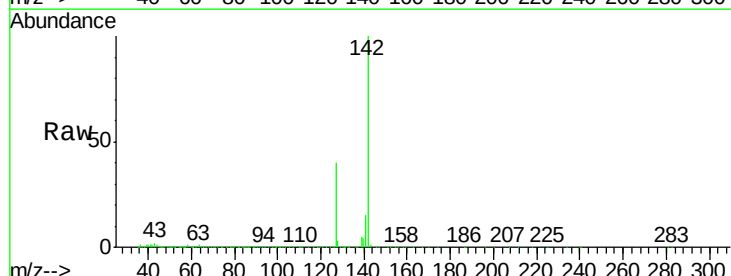
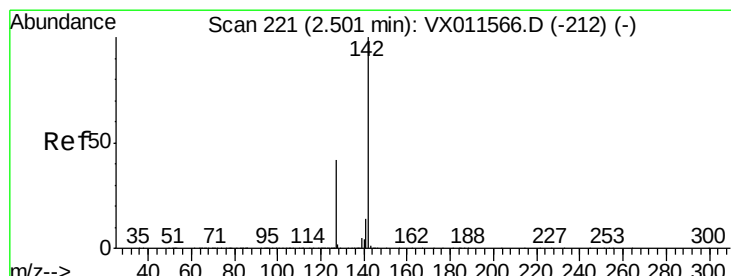
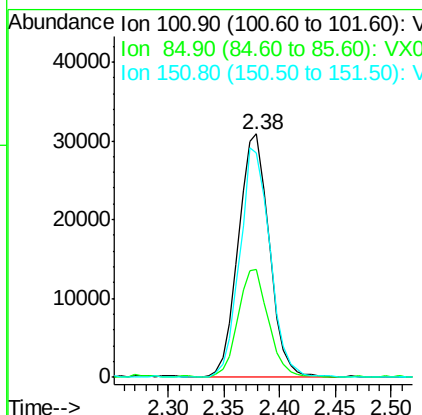
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.302 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

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VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.1	33.0	49.4
151	93.0	73.3	109.9

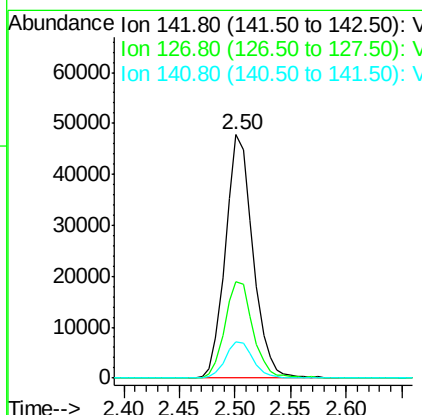
Manual Integrations
APPROVED

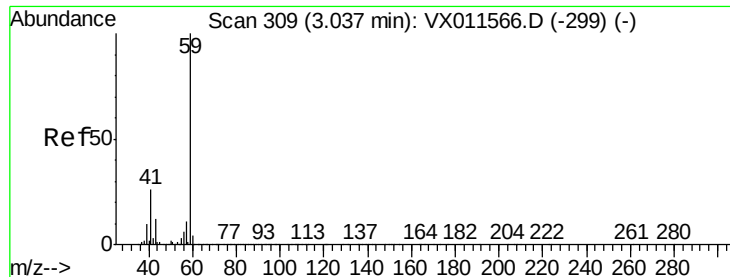
MMDadoda
8/19/2019 10:29:17 AM



#10
Methyl Iodide
Concen: 17.710 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.4	32.8	49.2
141	15.5	11.4	17.2





#11

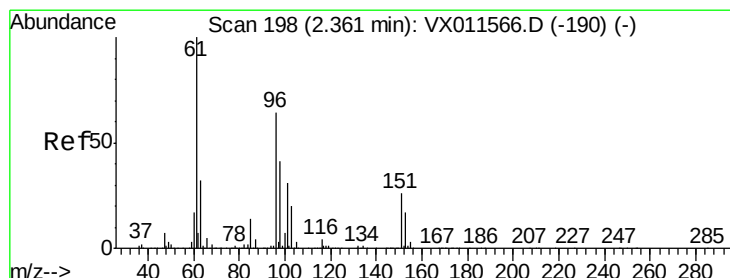
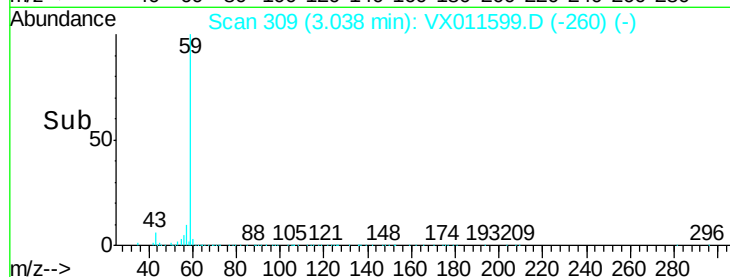
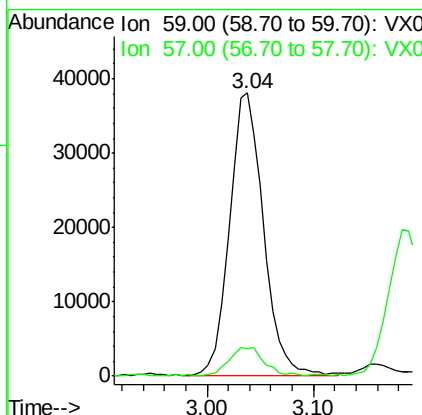
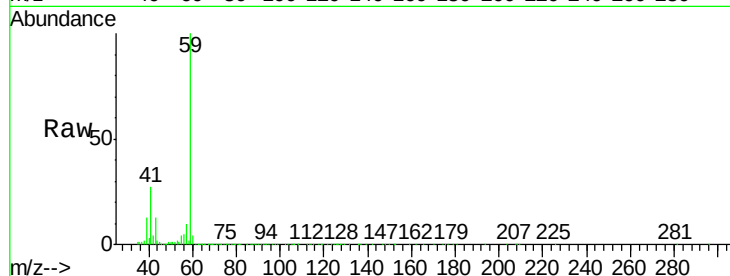
Tert butyl alcohol
Concen: 101.553 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.7	13.1

Manual Integrations
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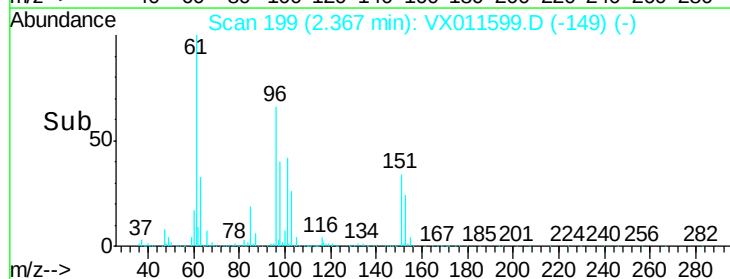
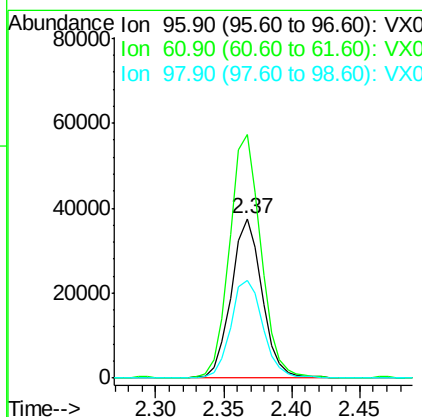
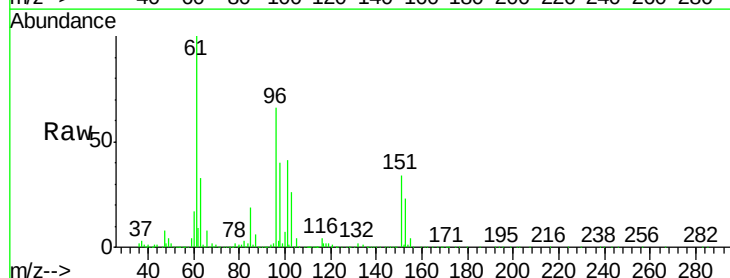
MMDadoda
8/19/2019 10:29:17 AM

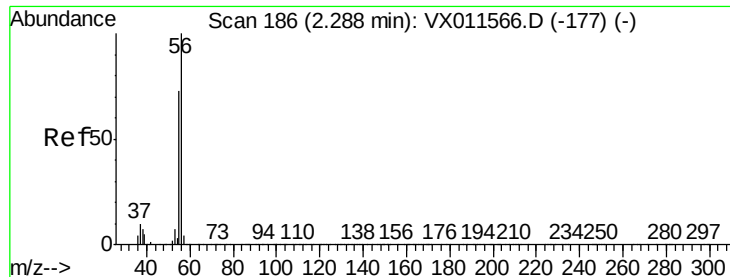


#12

1,1-Dichloroethene
Concen: 19.011 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	125.0	187.4
98	61.2	51.5	77.3





#13

Acrolein

Concen: 94.834 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion: 56 Resp: 22337

Ion Ratio Lower Upper

56 100

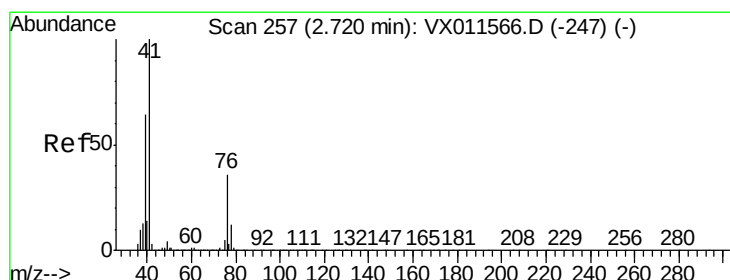
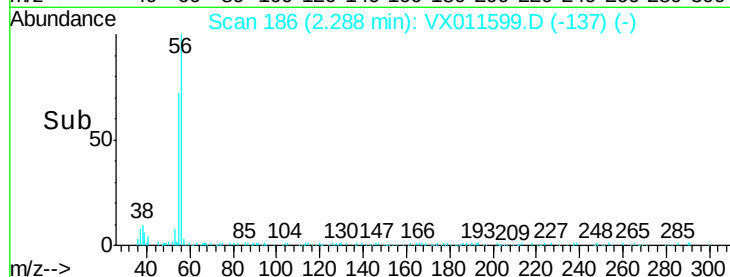
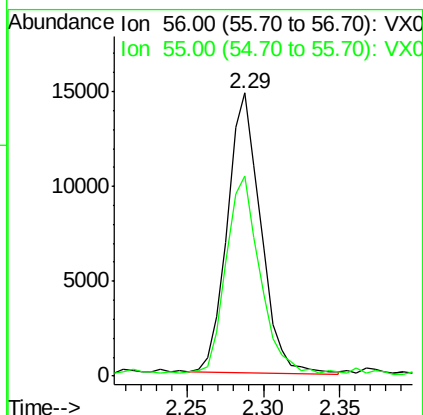
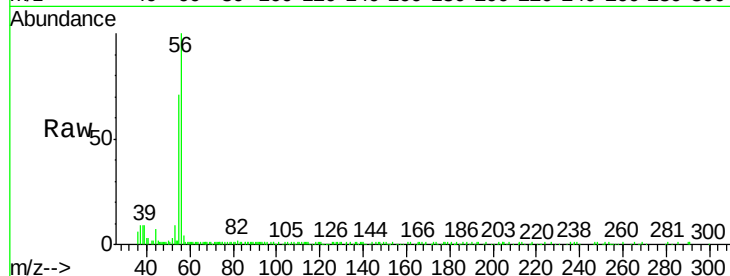
55 71.7 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 19.259 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

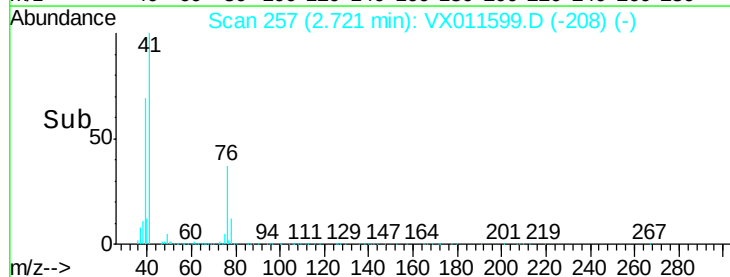
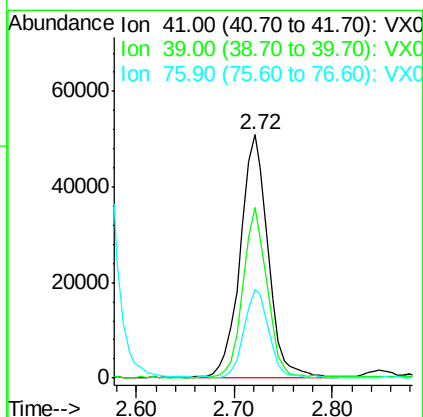
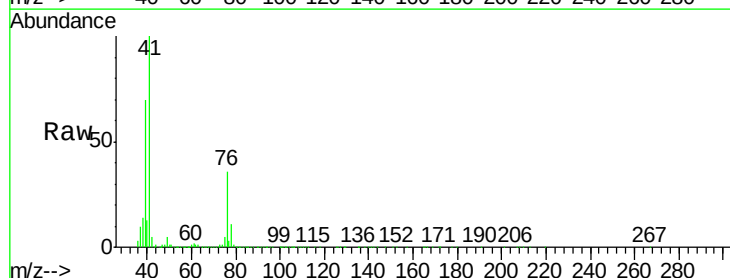
Tgt Ion: 41 Resp: 100319

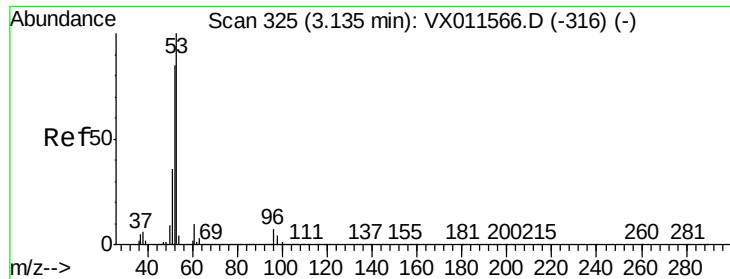
Ion Ratio Lower Upper

41 100

39 61.1 47.5 71.3

76 31.6 26.3 39.5





#15

Acrylonitrile

Concen: 100.577 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

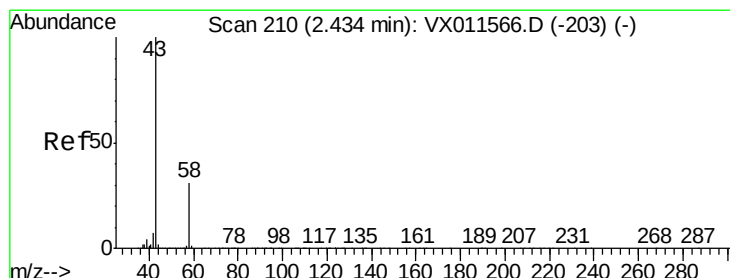
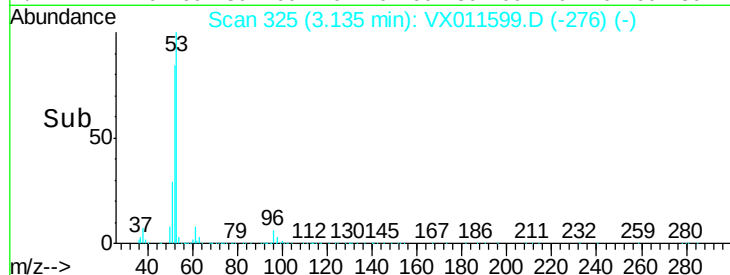
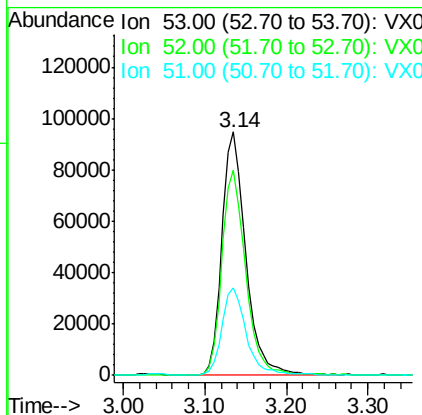
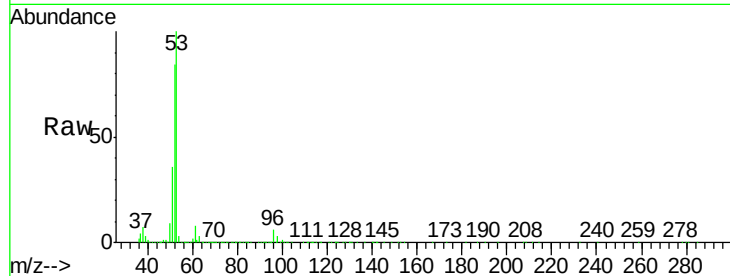
ClientSampleId :

VX0816WBSD02

Tot Ion:	53	Resp:	192329
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.7	100.1
51	36.2	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 98.410 ug/l

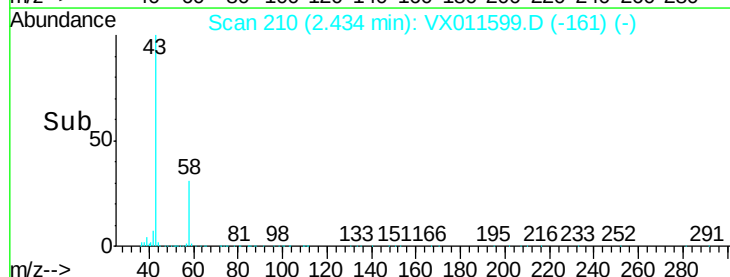
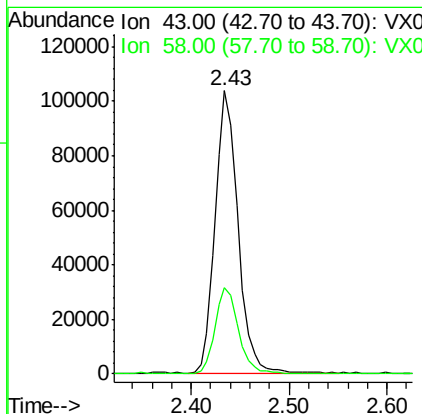
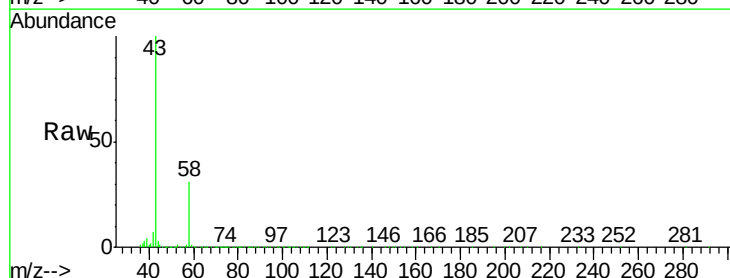
RT: 2.43 min Scan# 210

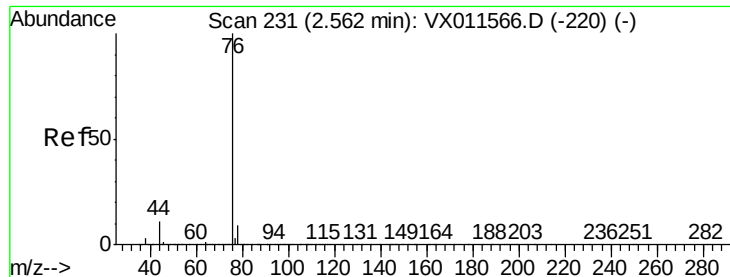
Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion:	43	Resp:	168524
Ion Ratio		Lower	Upper
43	100		
58	30.5	25.2	37.8





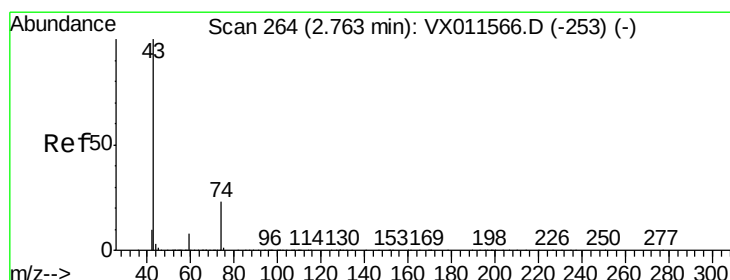
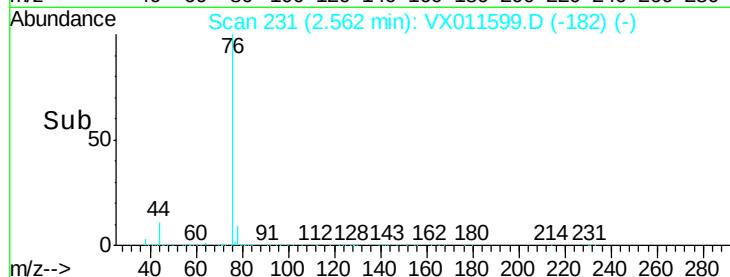
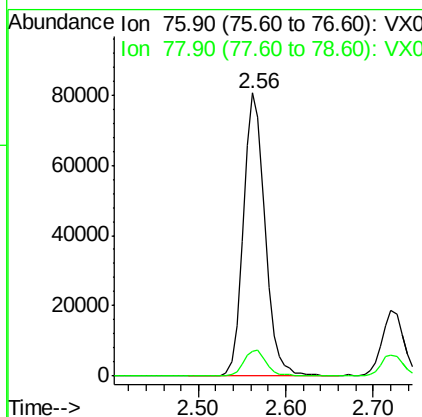
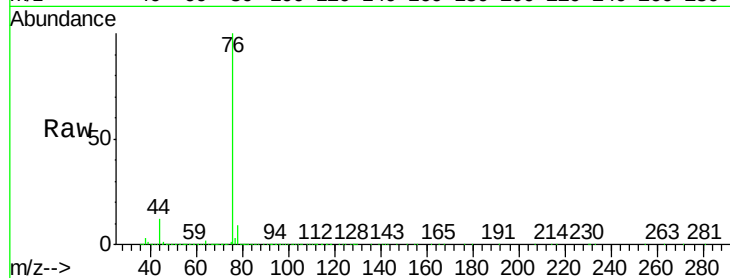
#17
Carbon Disulfide
Concen: 18.596 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

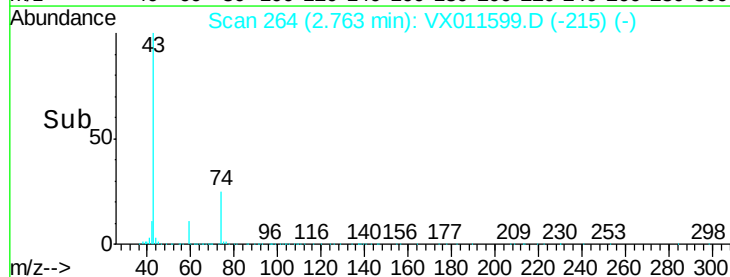
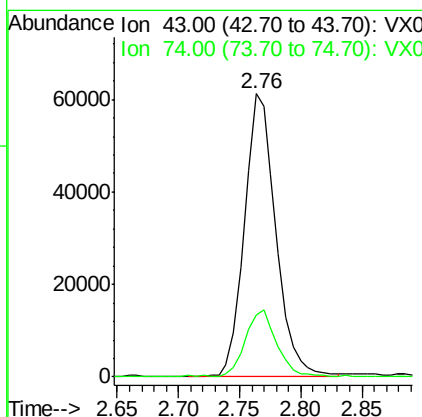
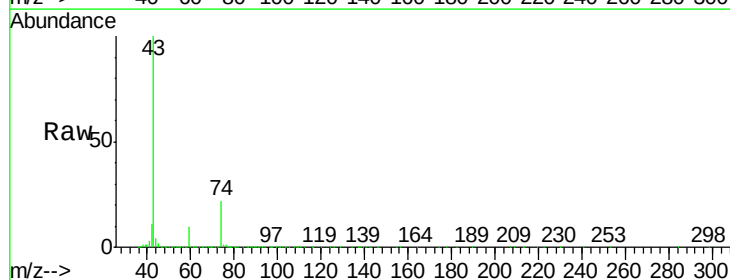
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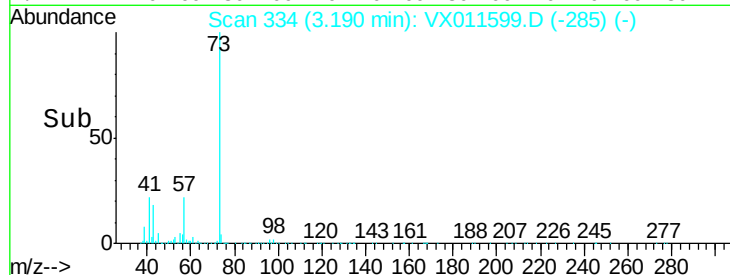
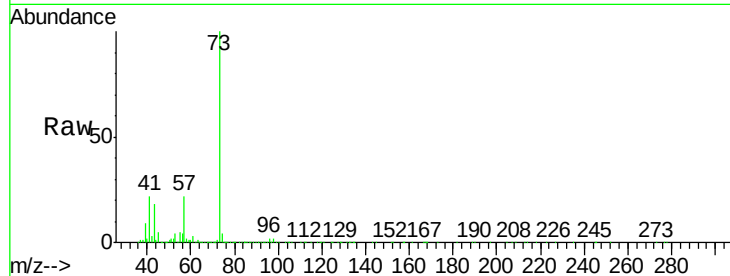
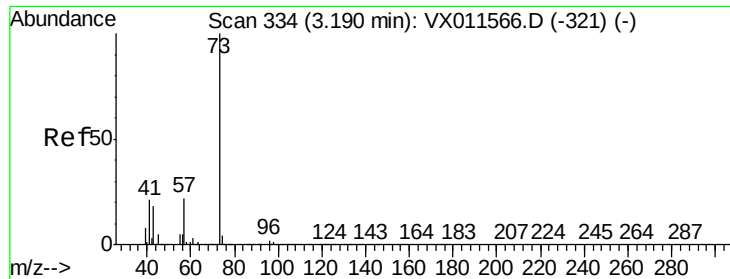
MMDadoda
8/19/2019 10:29:17 AM



#18
Methyl Acetate
Concen: 20.439 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.7	29.5





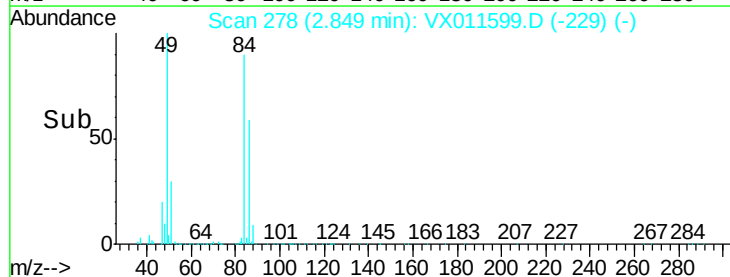
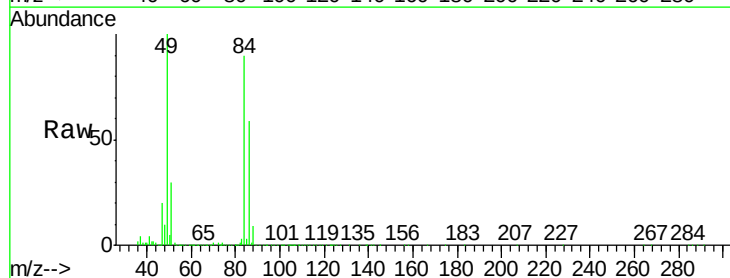
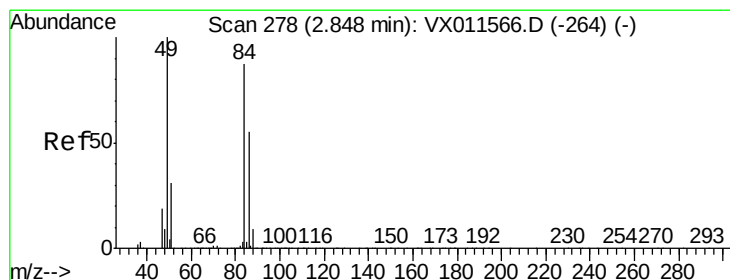
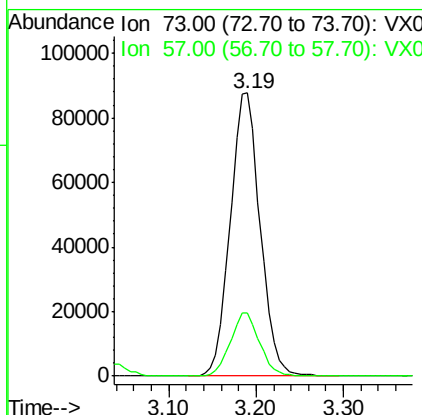
#19
Methyl tert-butyl Ether
Concen: 20.339 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.2	25.8

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

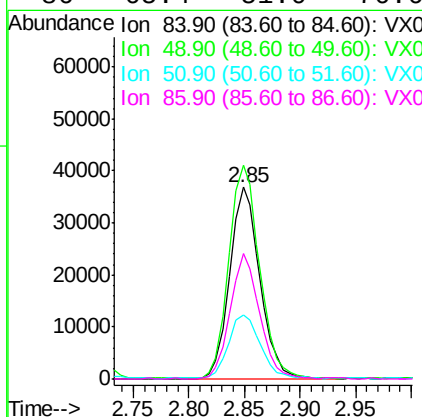
Manual Integrations
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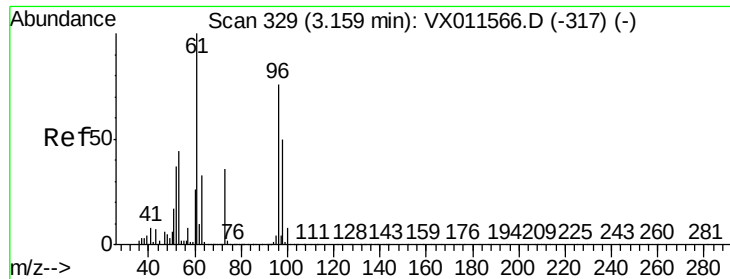
MMDadoda
8/19/2019 10:29:17 AM



#20
Methylene Chloride
Concen: 19.317 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	92.4	138.6
51	33.2	28.5	42.7
86	65.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.475 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

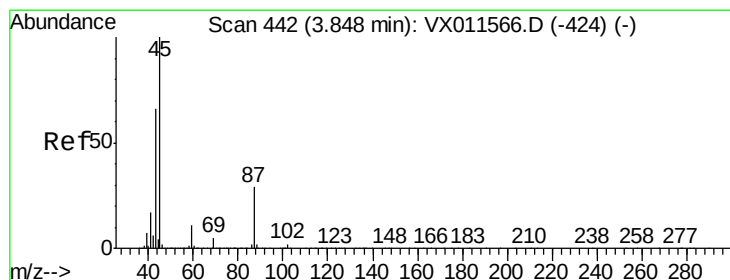
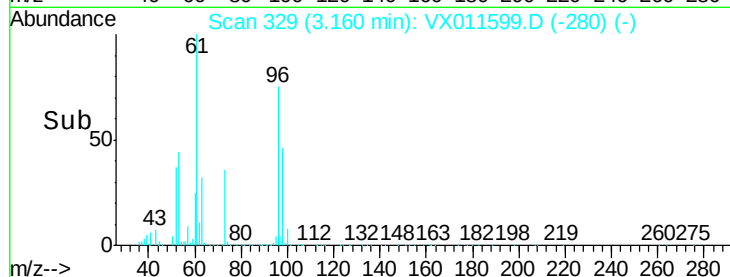
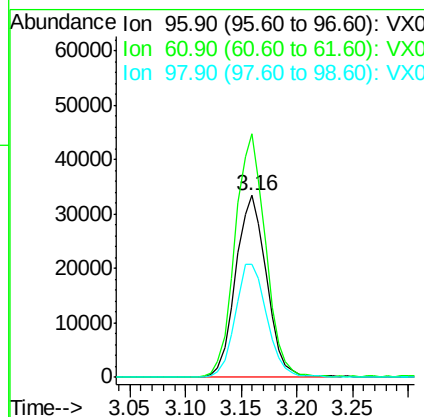
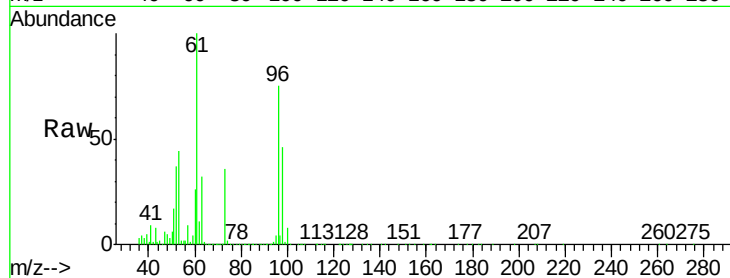
ClientSampleId :

VX0816WBSD02

Tot Ion:	96	Resp:	64625
Ion	Ratio	Lower	Upper
96	100		
61	133.6	105.5	158.3
98	62.3	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.232 ug/l

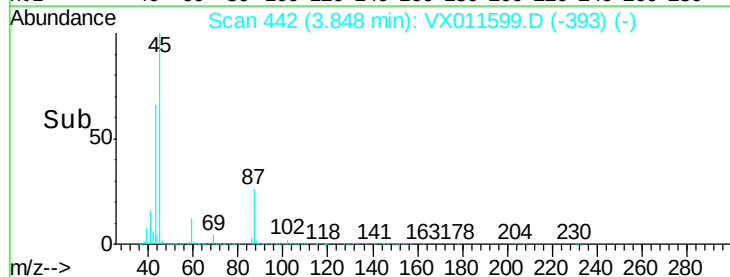
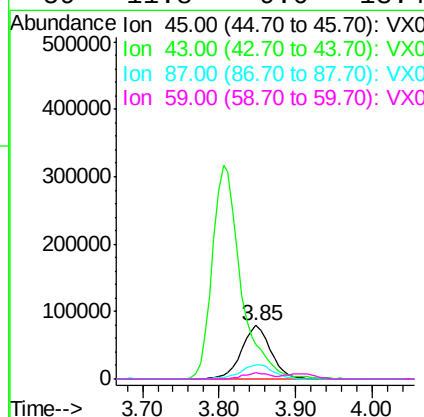
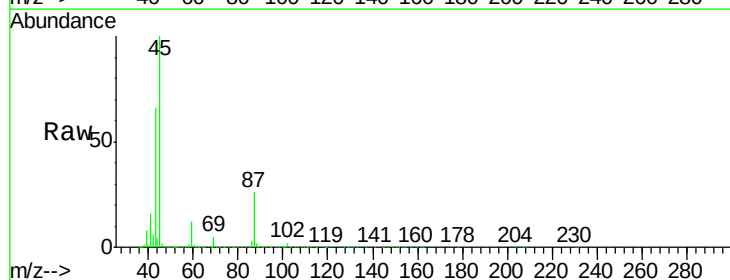
RT: 3.85 min Scan# 442

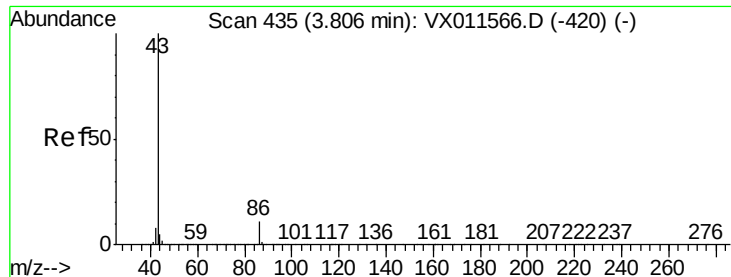
Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion:	45	Resp:	209885
Ion	Ratio	Lower	Upper
45	100		
43	64.4	52.7	79.1
87	25.8	23.5	35.3
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 100.464 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tot Ion: 43 Resp: 825273

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

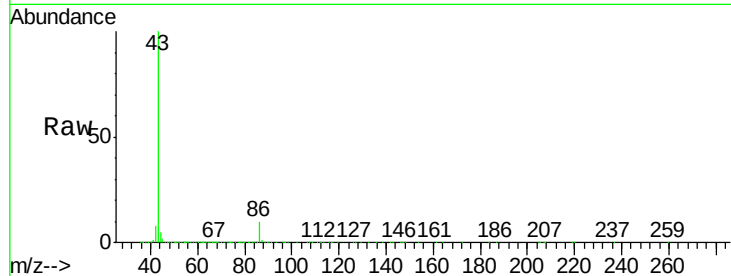
VX0816WBSD02

Manual Integrations

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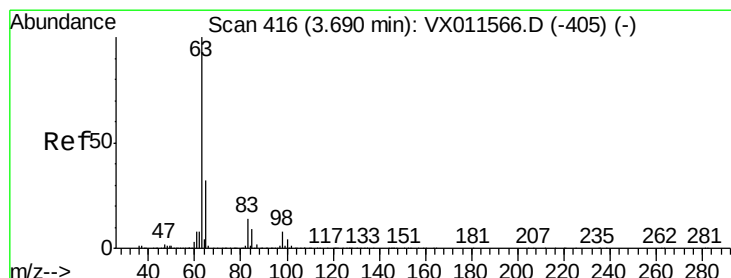
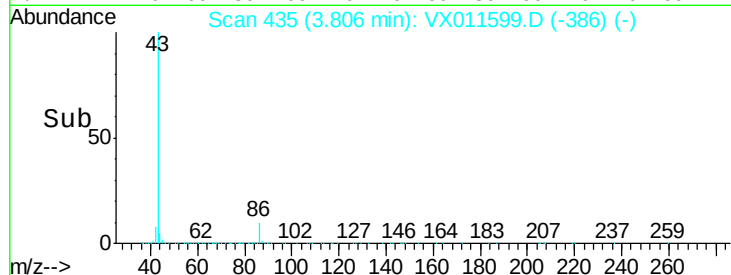
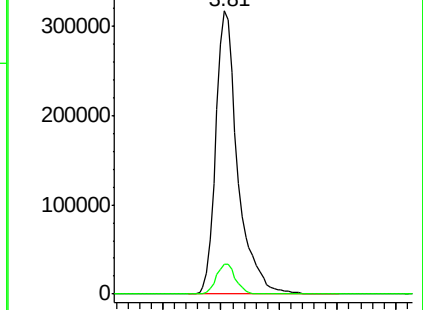
MMDadoda

8/19/2019 10:29:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.378 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

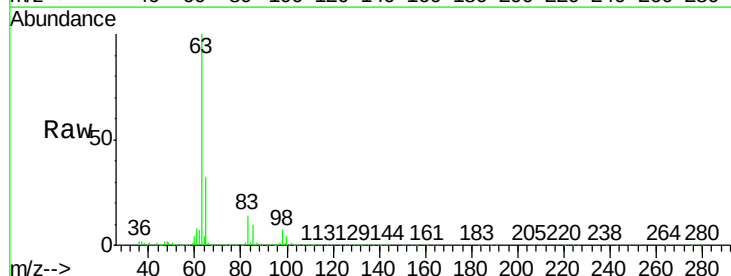
Tgt Ion: 63 Resp: 113653

Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

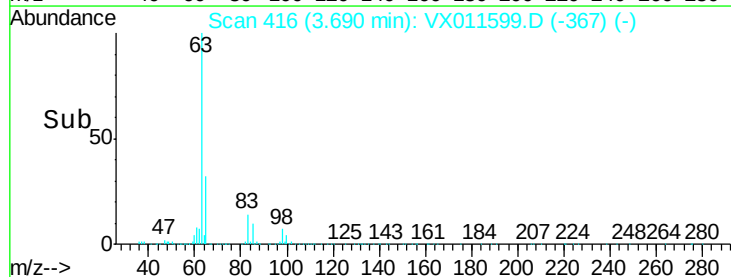
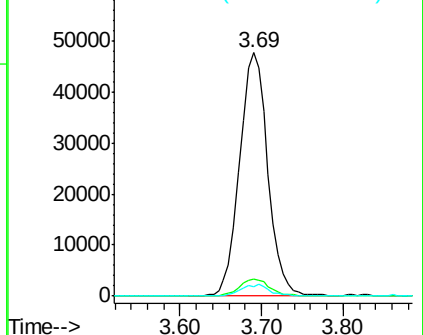
100 3.9 2.1 6.3

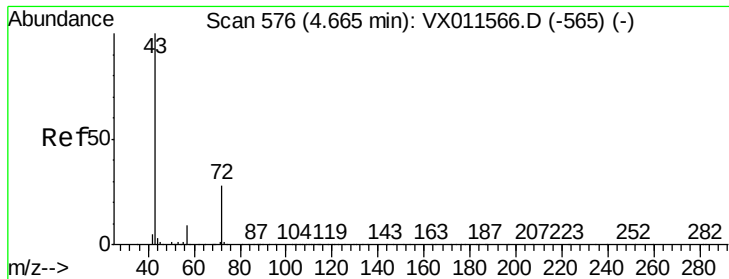


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.358 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion: 43 Resp: 269804

Ion Ratio Lower Upper

43 100

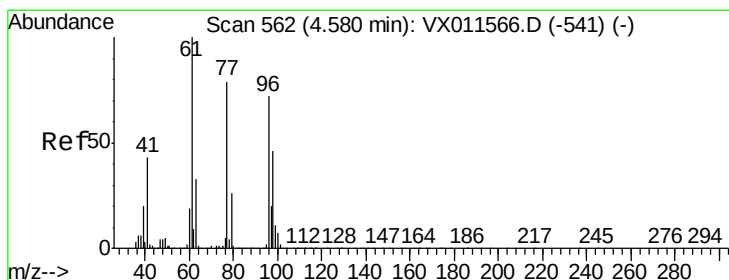
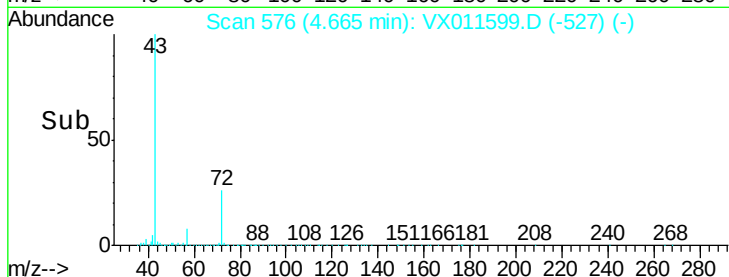
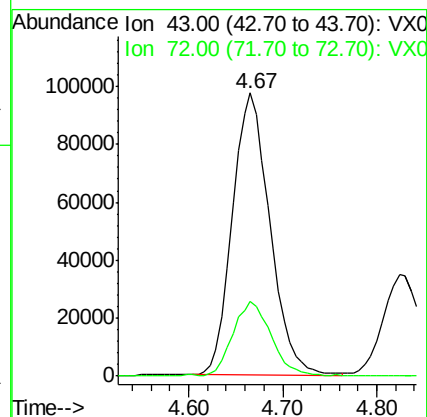
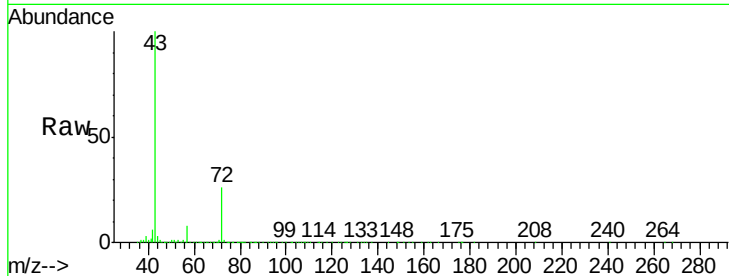
72 26.2 22.2 33.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.730 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011599.D

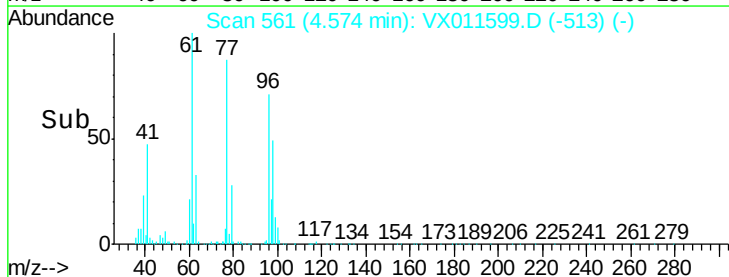
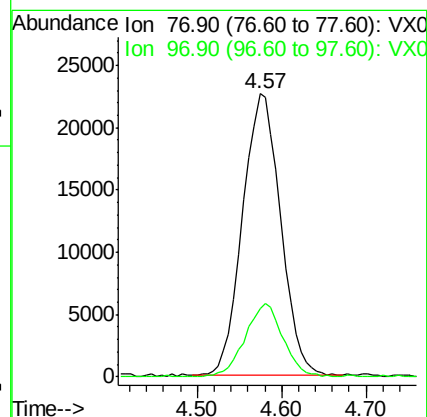
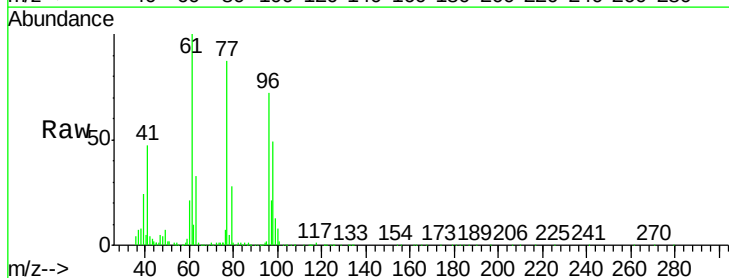
Acq: 16 Aug 2019 23:27

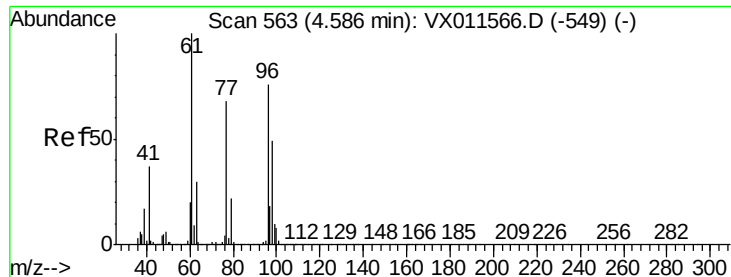
Tgt Ion: 77 Resp: 69437

Ion Ratio Lower Upper

77 100

97 25.9 12.4 37.2





#27

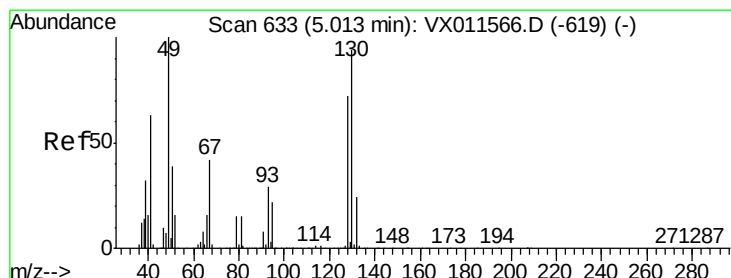
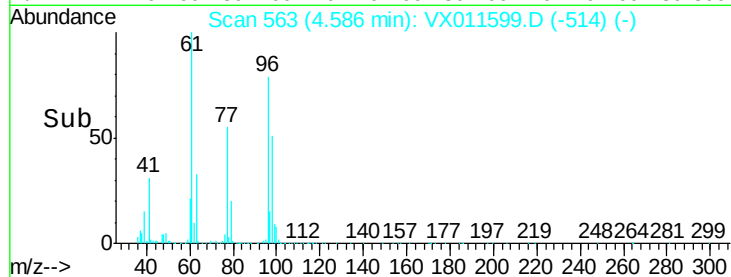
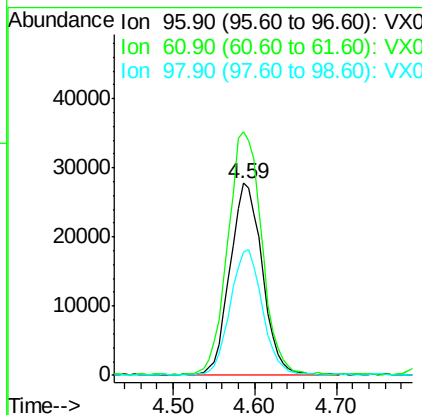
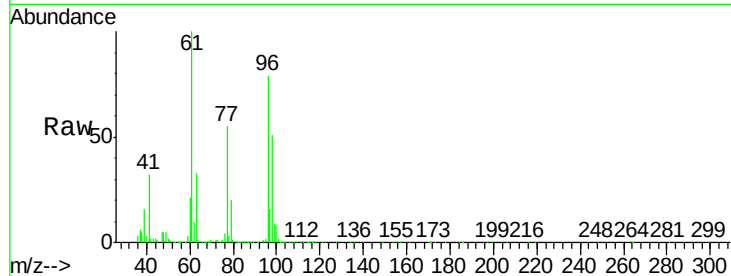
cis-1,2-Dichloroethene
Concen: 19.737 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.5	0.0	272.6	
98	65.3	0.0	129.4	

Manual Integrations
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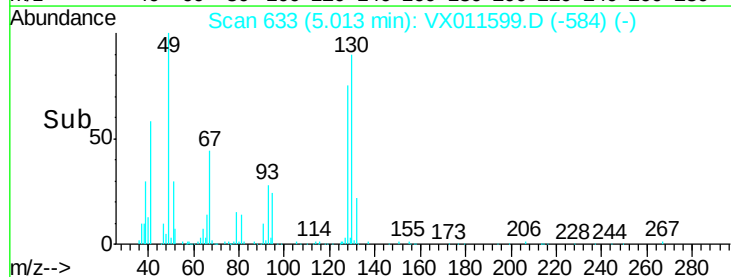
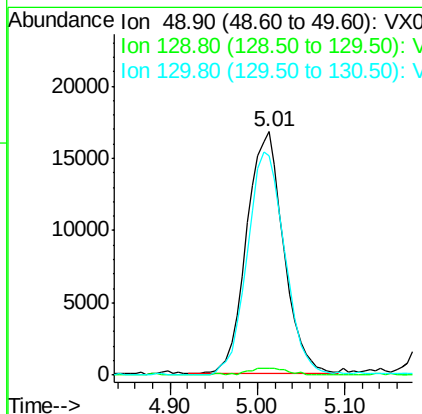
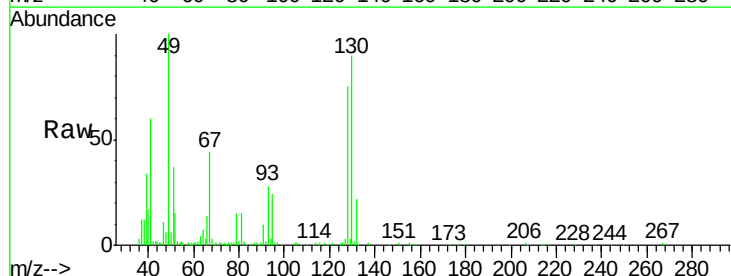
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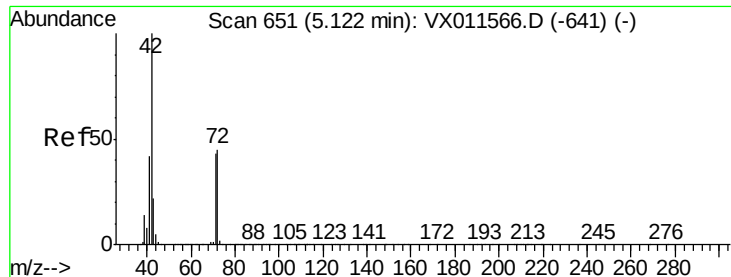


#28

Bromochloromethane
Concen: 19.180 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.1	0.0	5.0	
130	94.2	76.6	115.0	





#29

Tetrahydrofuran

Concen: 100.458 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

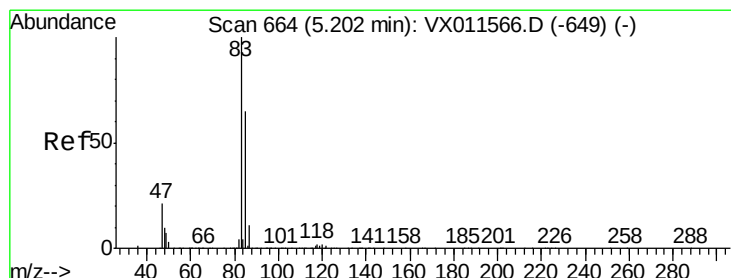
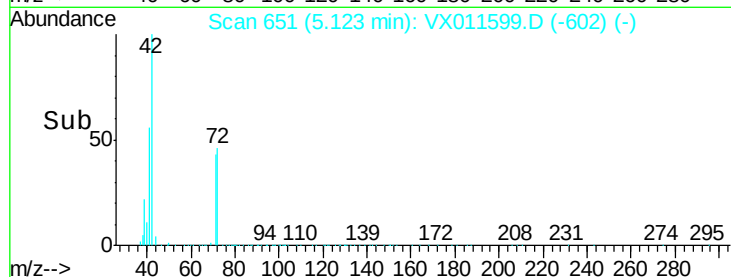
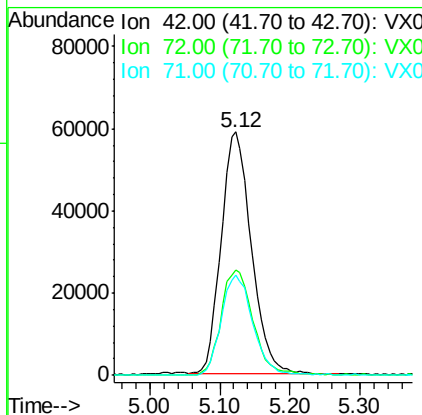
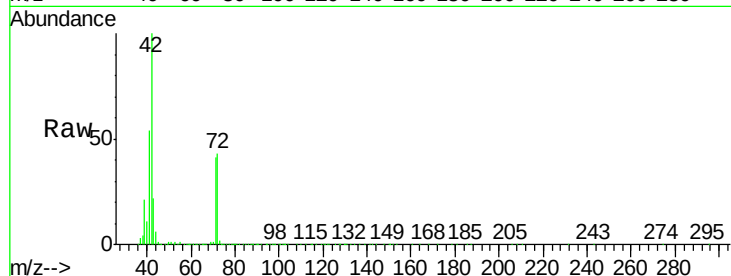
ClientSampleId :

VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.1	54.1
71	42.7	33.8	50.8

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#30

Chloroform

Concen: 19.703 ug/l

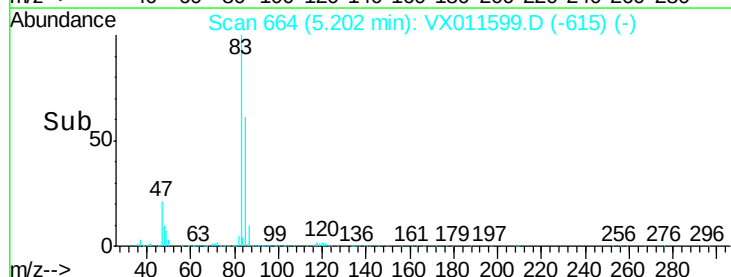
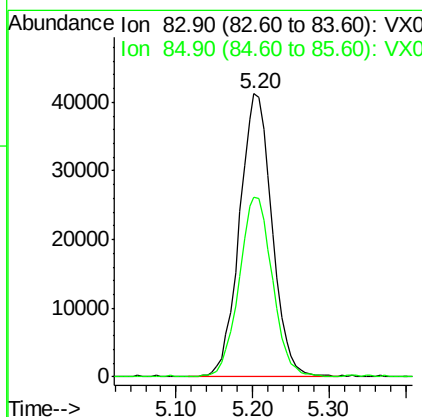
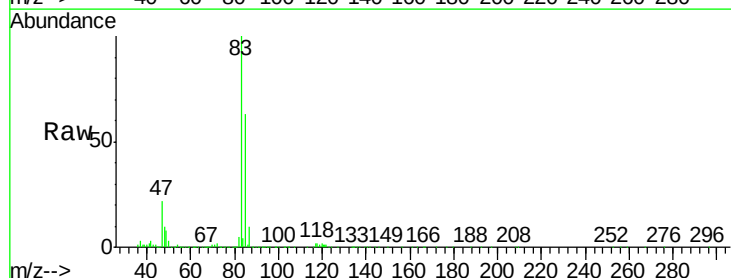
RT: 5.20 min Scan# 664

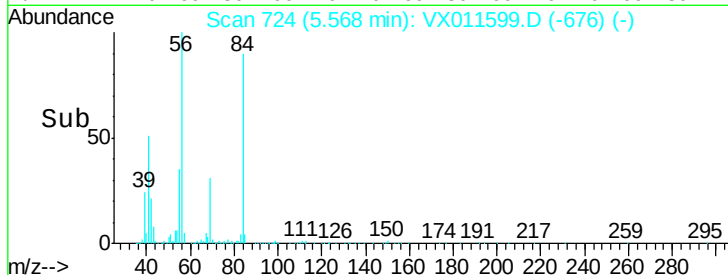
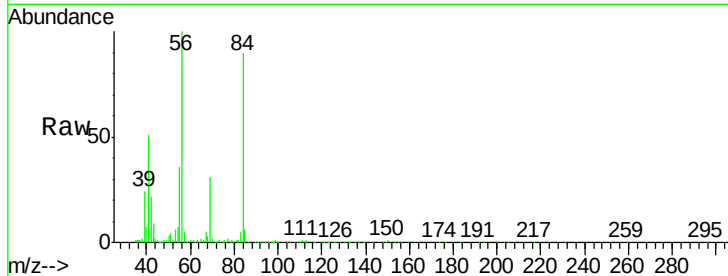
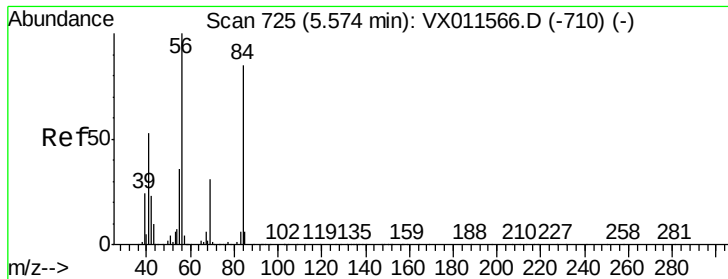
Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.9	77.9





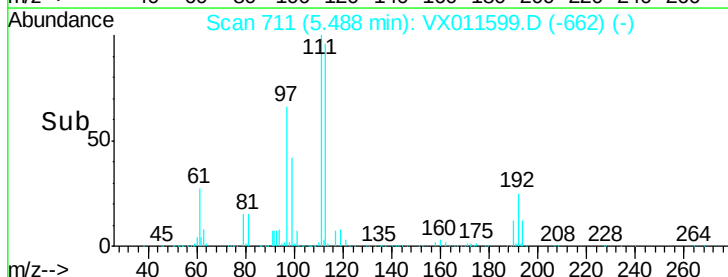
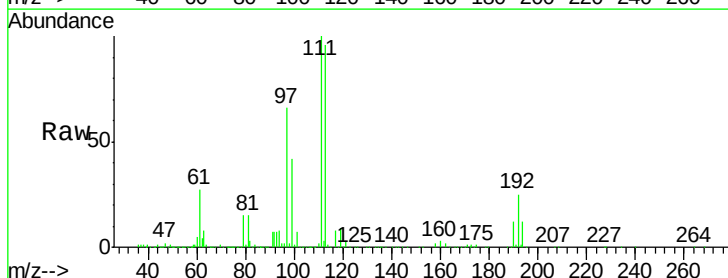
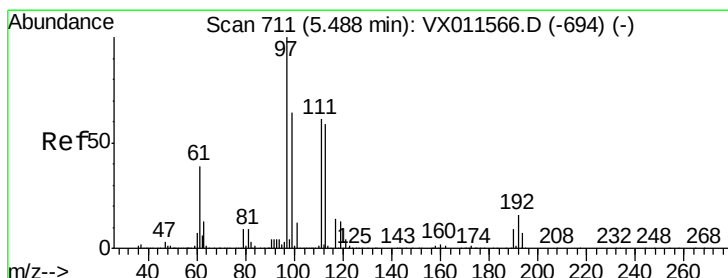
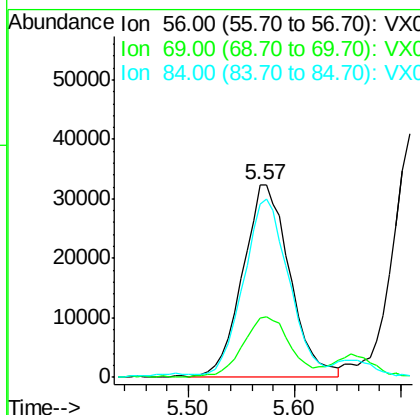
#31
Cyclohexane
Concen: 19.638 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.8	37.2
84	88.7	67.9	101.9

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

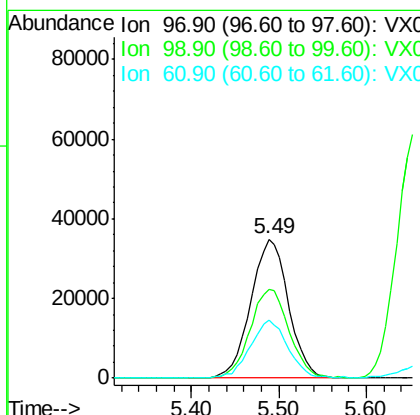
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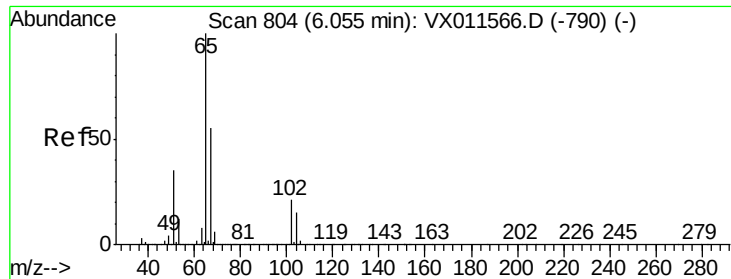
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#32
1,1,1-Trichloroethane
Concen: 19.581 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.4	77.0
61	41.2	31.4	47.2





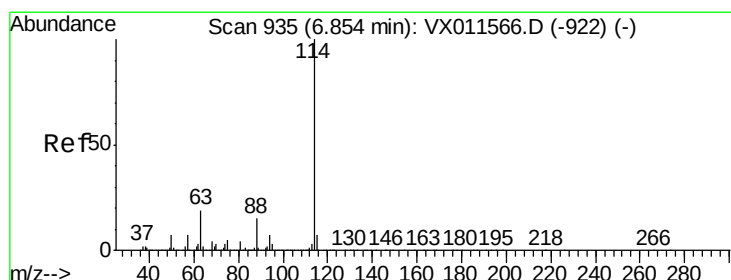
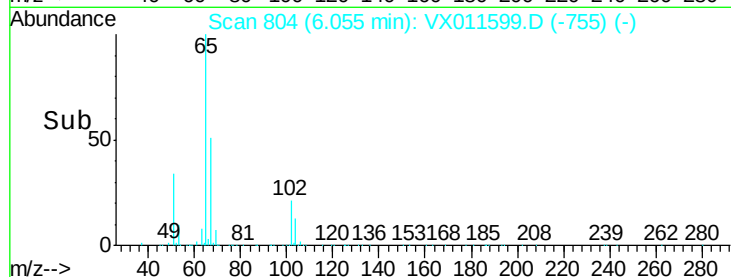
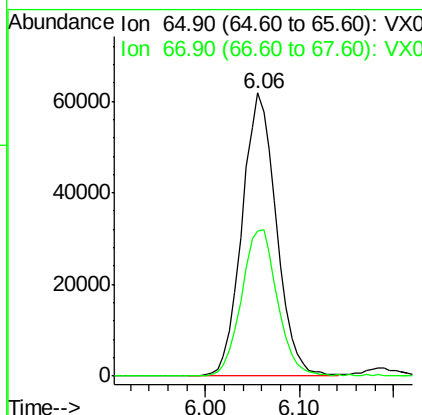
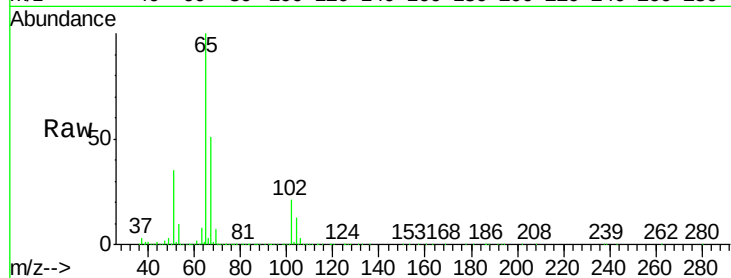
#33
 1,2-Dichloroethane-d4
 Concen: 46.228 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157438		
67	53.8	0.0	107.6	

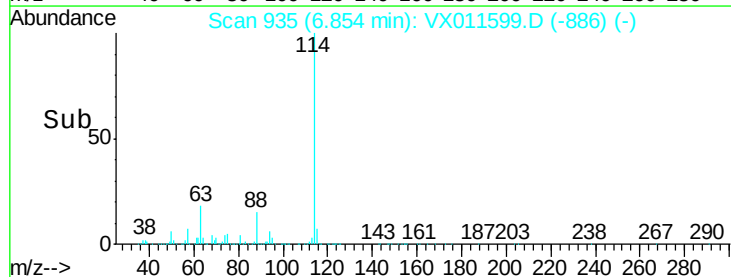
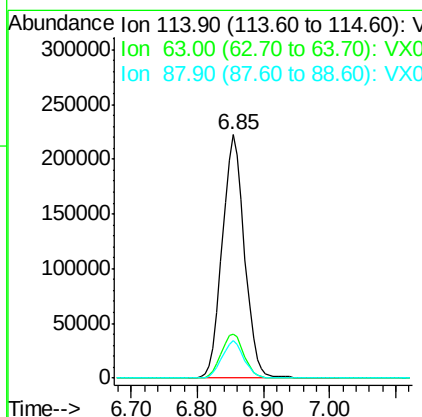
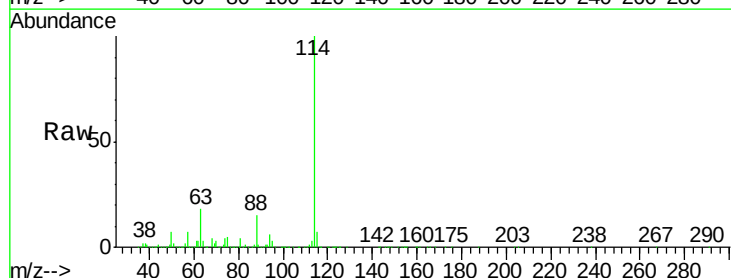
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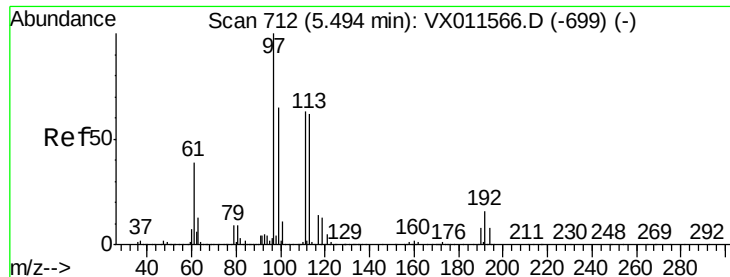
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	516514		
63	18.0	0.0	37.8	
88	15.1	0.0	30.2	





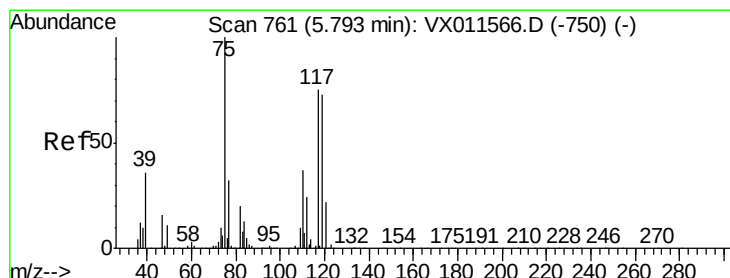
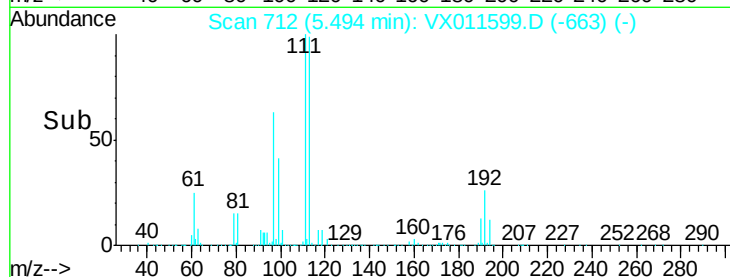
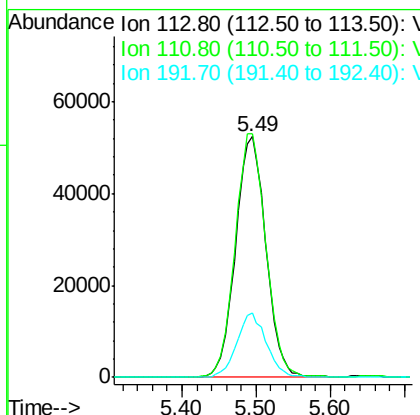
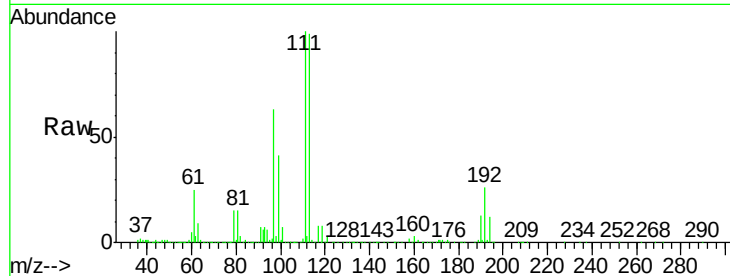
#35
 Dibromofluoromethane
 Concen: 44.394 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149979		
111	102.1		81.1	121.7
192	26.0		20.8	31.2

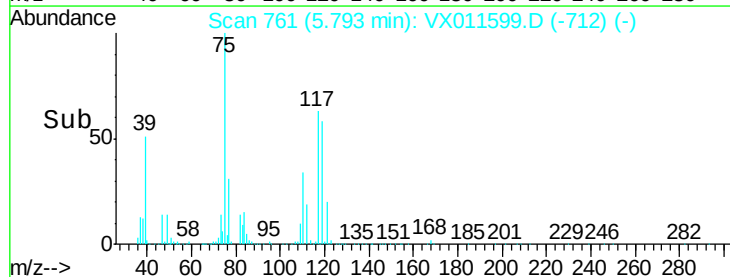
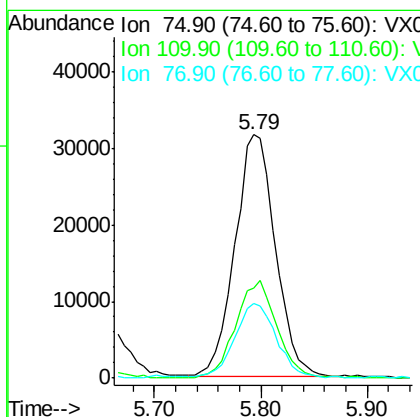
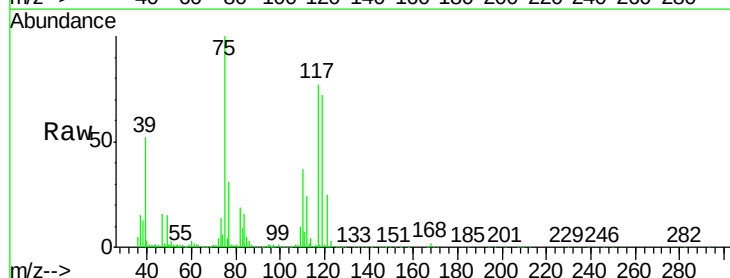
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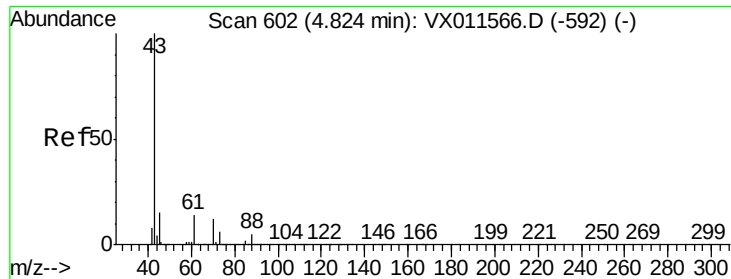
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#36
 1,1-Dichloropropene
 Concen: 19.033 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84054		
110	41.1		19.4	58.1
77	30.9		25.1	37.7





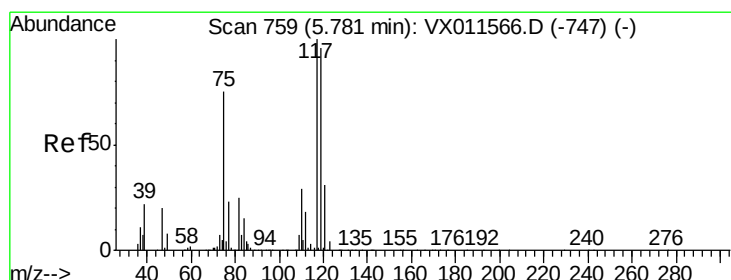
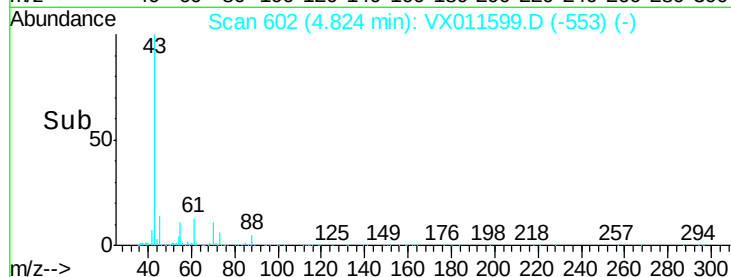
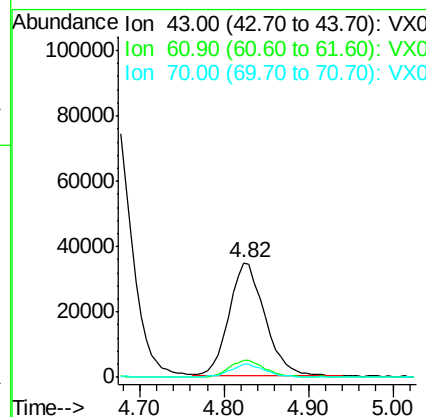
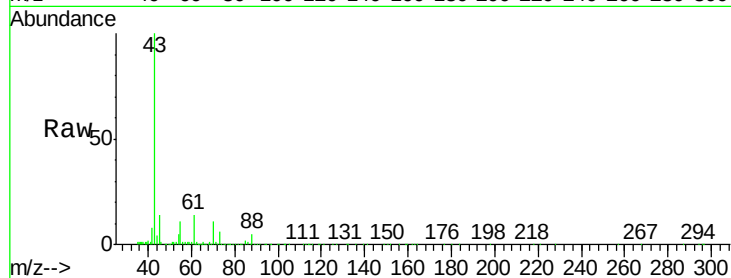
#37
Ethyl Acetate
Concen: 20.020 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.4	17.0
70	10.8	9.0	13.6

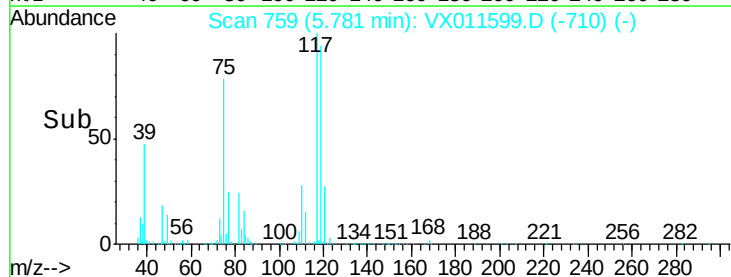
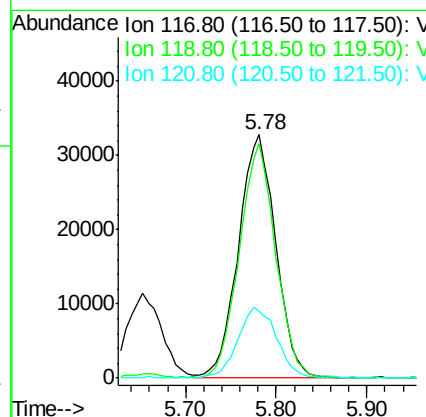
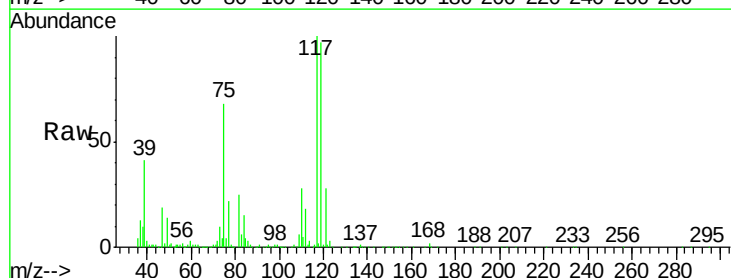
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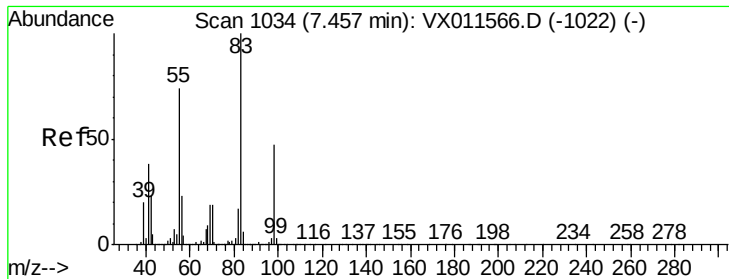
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#38
Carbon Tetrachloride
Concen: 19.221 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.9	115.3
121	27.8	24.8	37.2





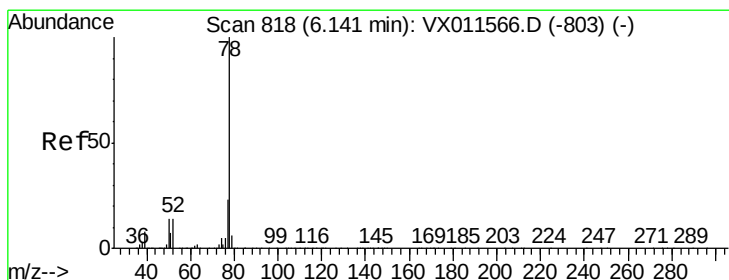
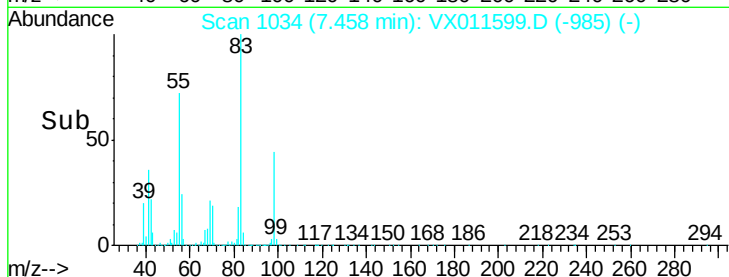
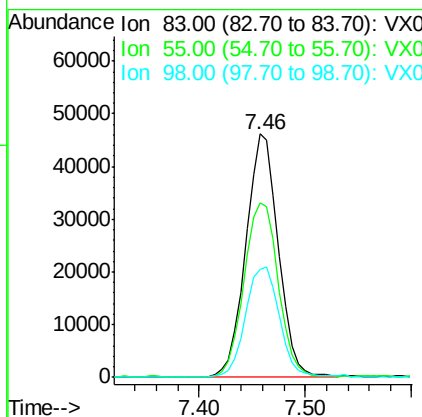
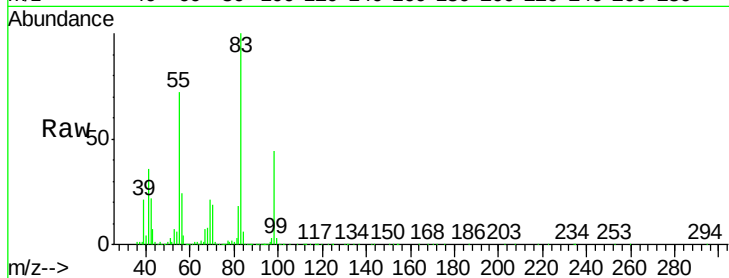
#39
Methylvlcyclohexane
Concen: 18.094 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	58.8	88.2
98	44.2	37.8	56.6

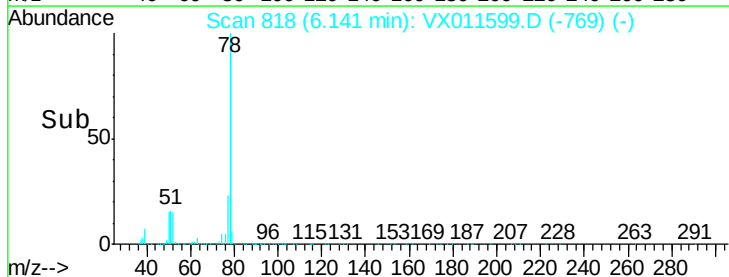
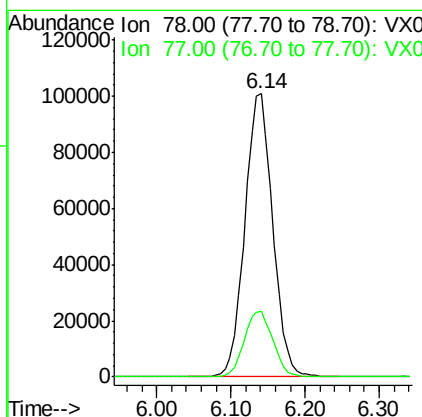
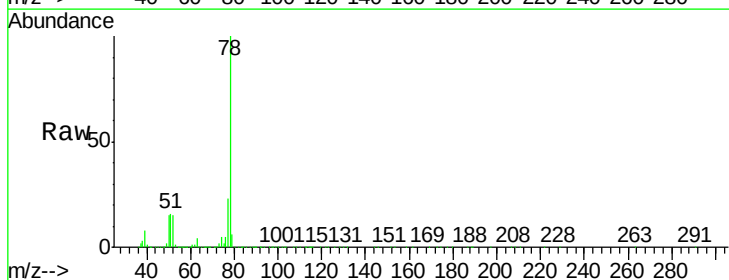
Manual Integrations
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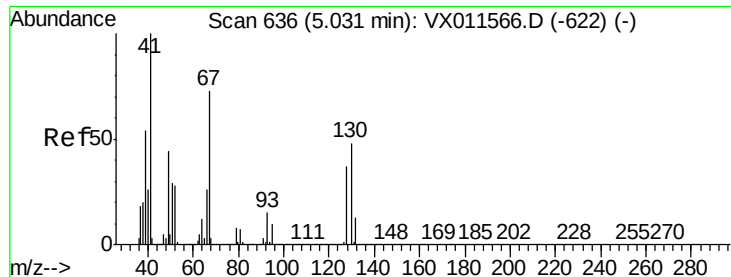
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#40
Benzene
Concen: 19.265 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41

Methacrylonitrile

Concen: 20.806 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

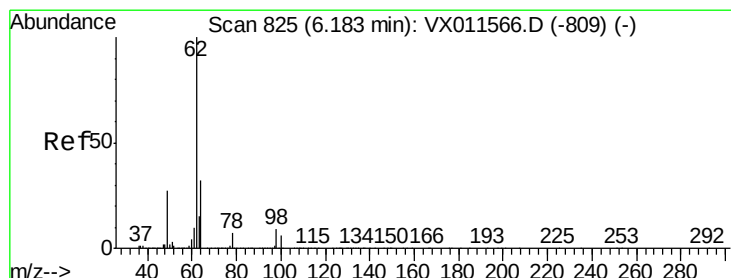
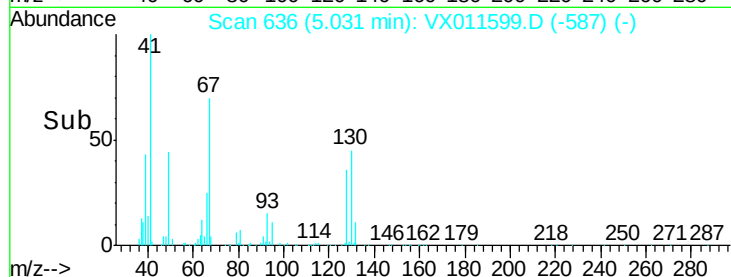
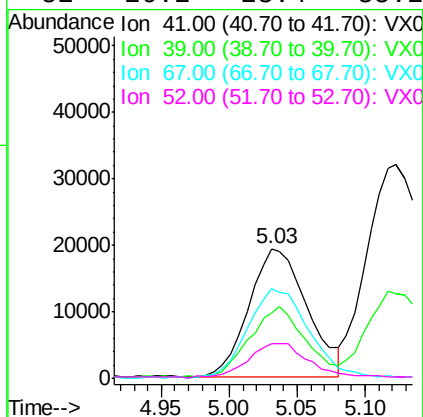
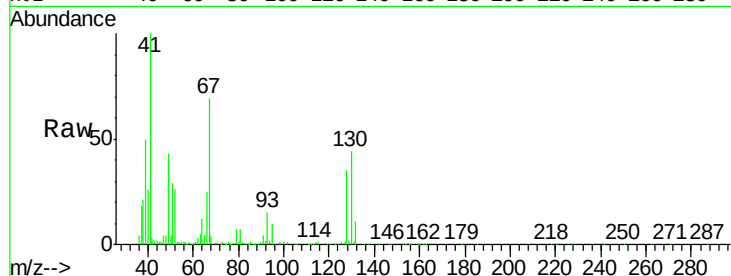
ClientSampleId :

VX0816WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		58165		
39	51.4	43.5	65.3		
67	73.7	59.4	89.2		
52	26.2	23.4	35.2		

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#42

1,2-Dichloroethane

Concen: 19.954 ug/l

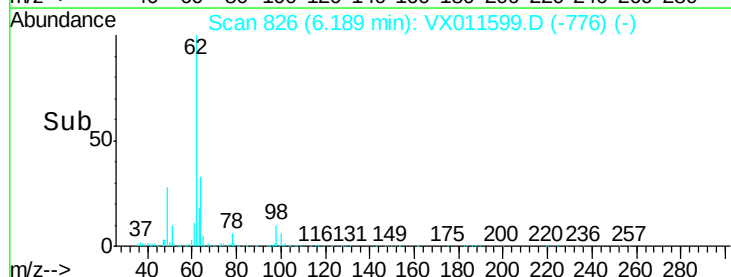
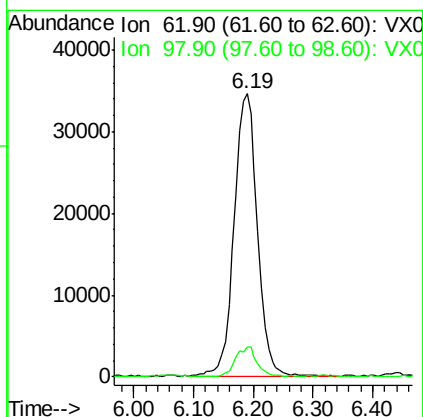
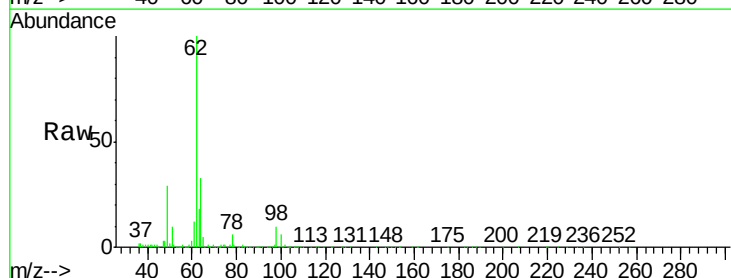
RT: 6.19 min Scan# 826

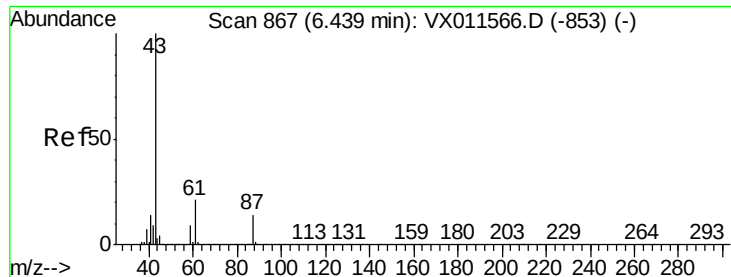
Delta R.T. 0.01 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		94875		
98	10.0	0.0	19.4		





#43

Isopropyl Acetate

Concen: 19.351 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

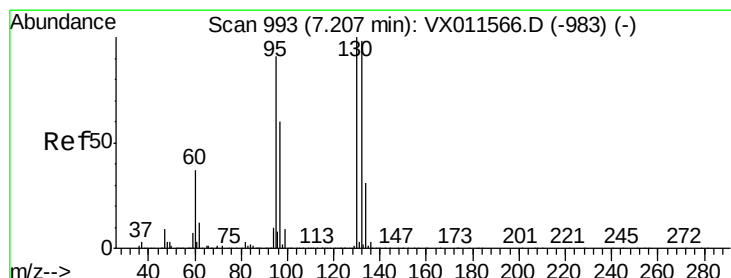
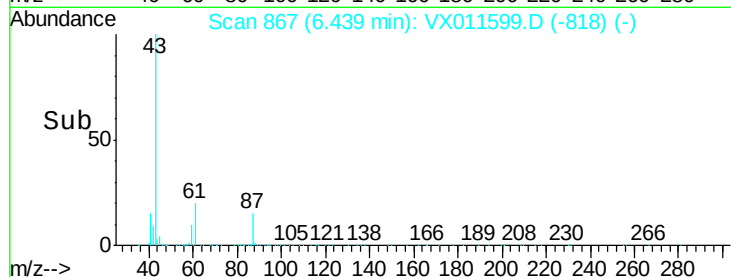
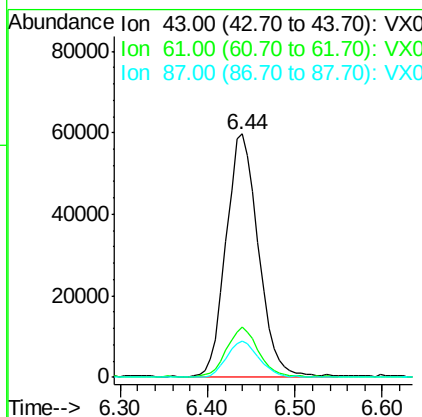
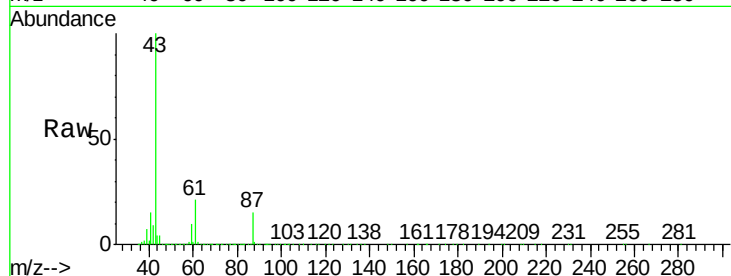
ClientSampleId :

VX0816WBSD02

Tot Ion:	43	Resp:	153395
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.6	24.8
87	15.0	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.362 ug/l

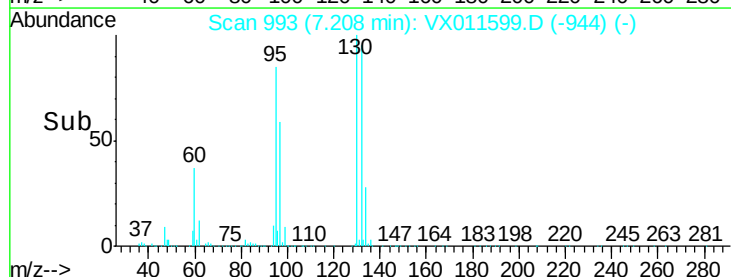
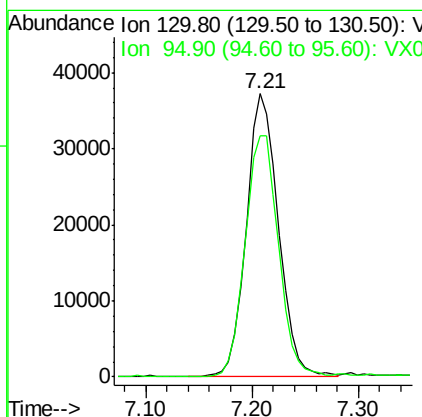
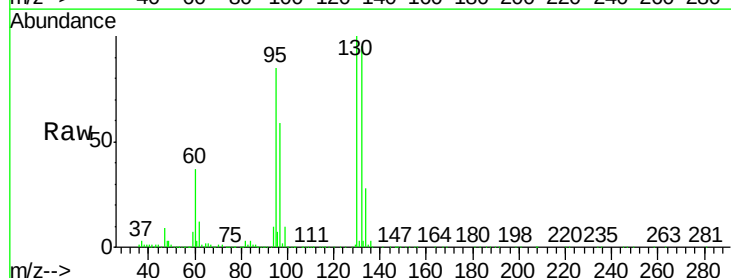
RT: 7.21 min Scan# 993

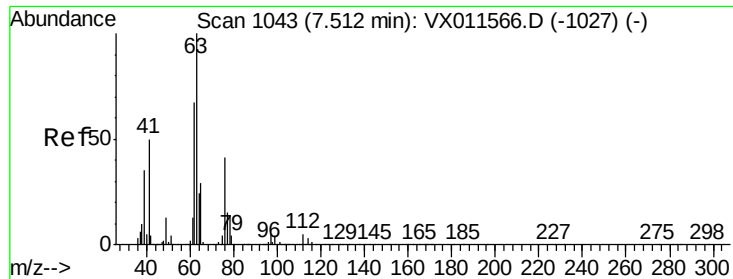
Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion:	130	Resp:	78825
Ion	Ratio	Lower	Upper
130	100		
95	84.9	0.0	181.4





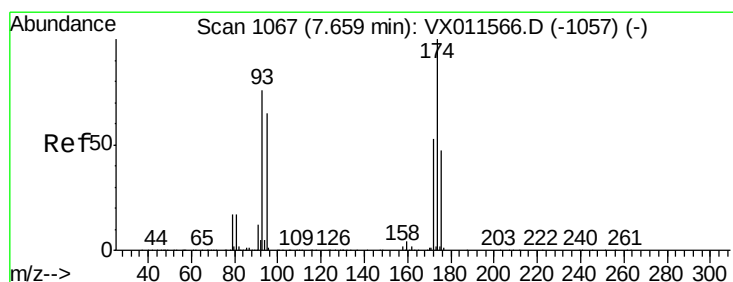
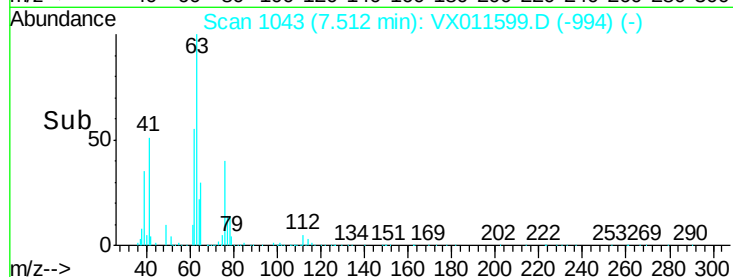
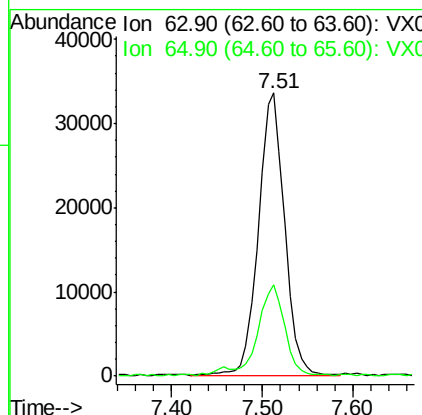
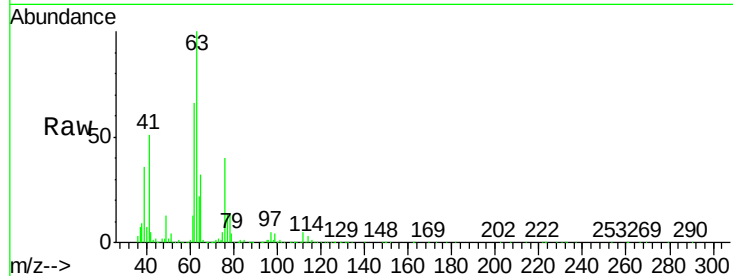
#45
 1,2-Dichloropropane
 Concen: 19.612 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
63	100	67121		
65	31.6		23.4	35.2

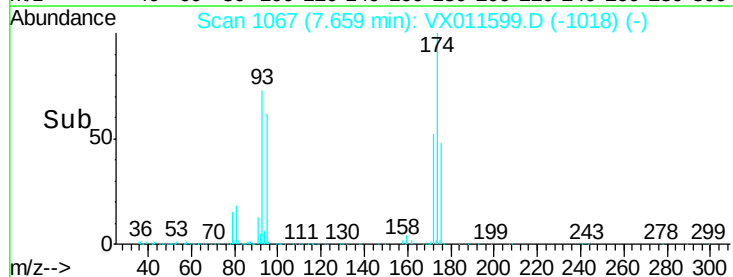
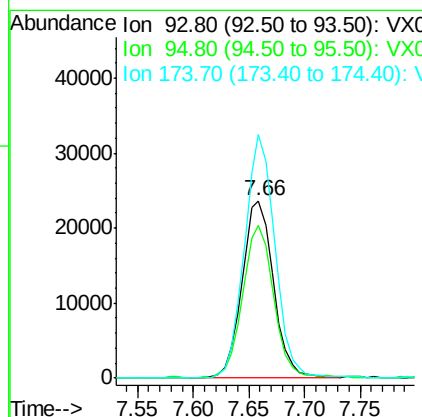
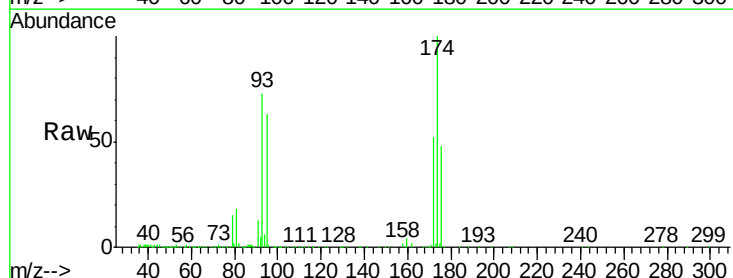
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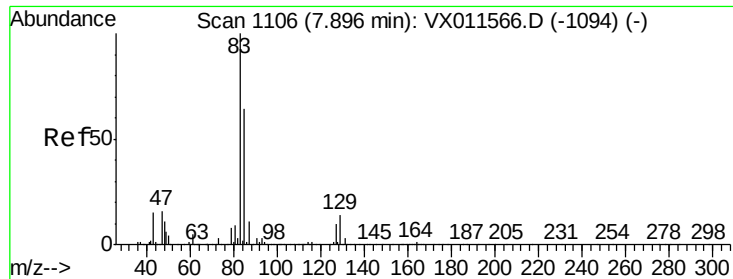
MMDadoda
 8/19/2019 10:29:17 AM



#46
 Dibromomethane
 Concen: 18.706 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	46524		
95	84.1		67.2	100.8
174	133.6		105.5	158.3





#47

Bromodichloromethane

Concen: 18.964 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

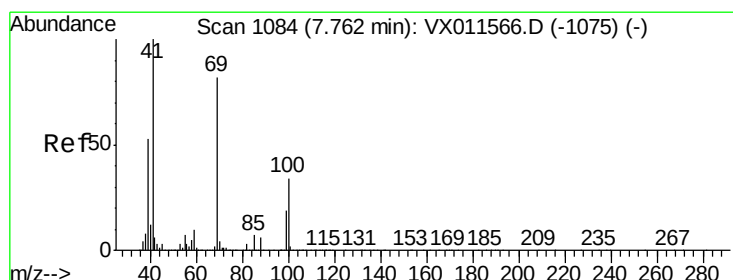
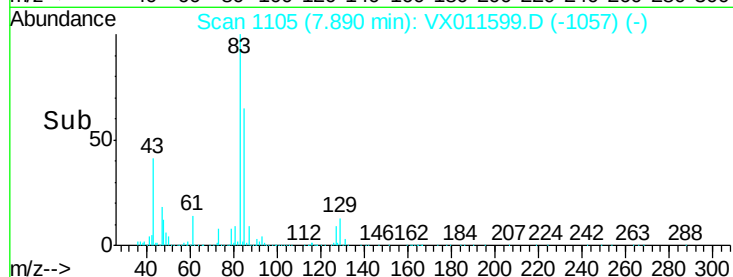
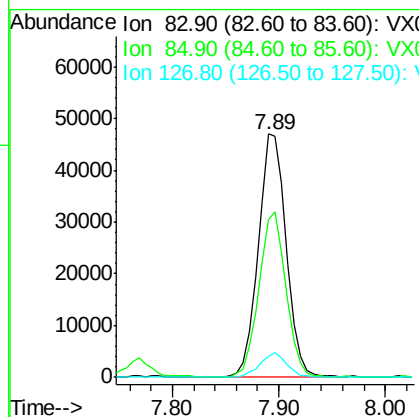
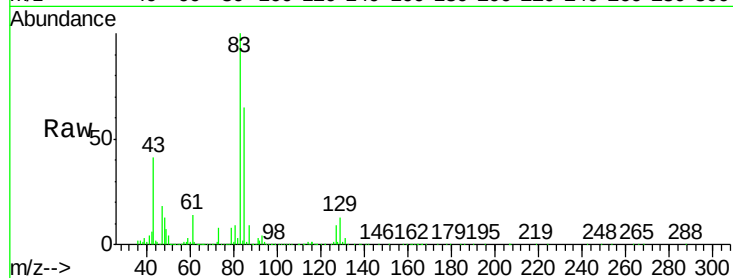
ClientSampleId :

VX0816WBSD02

Tot Ion:	83	Resp:	86600
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.2	76.8
127	8.5	8.1	12.1

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#48

Methyl methacrylate

Concen: 19.585 ug/l

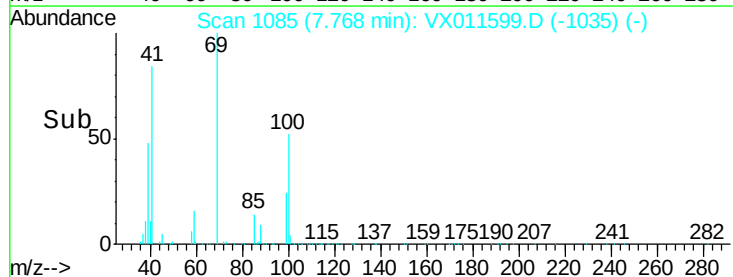
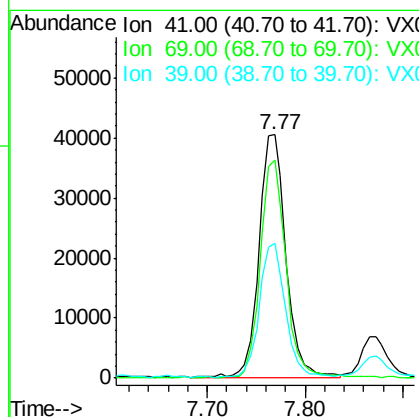
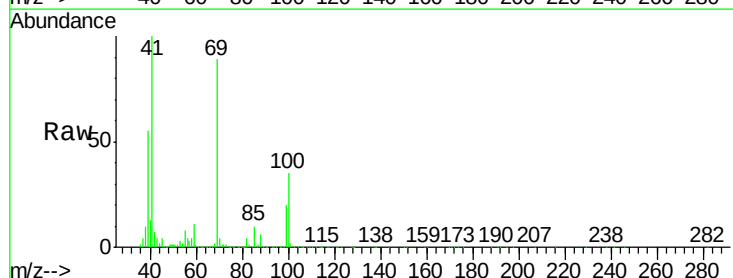
RT: 7.77 min Scan# 1085

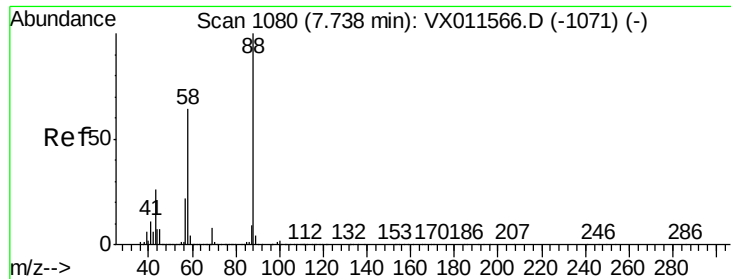
Delta R.T. 0.01 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion:	41	Resp:	76880
Ion Ratio	Lower	Upper	
41	100		
69	86.9	67.9	101.9
39	54.1	41.6	62.4





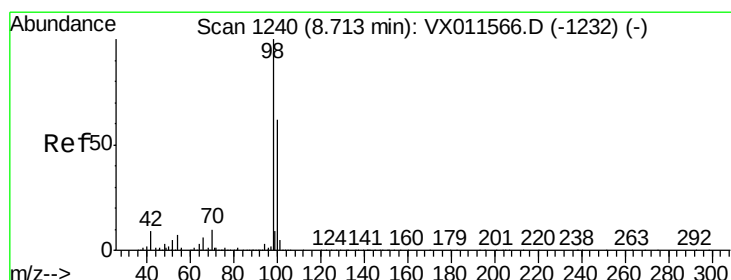
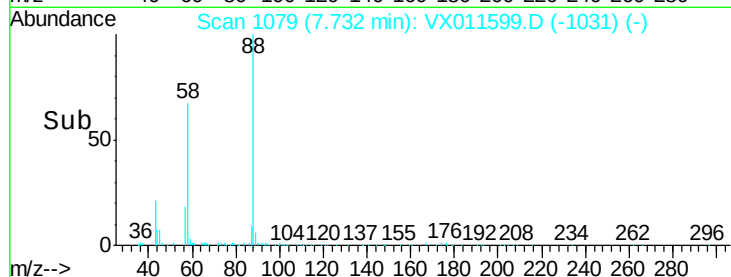
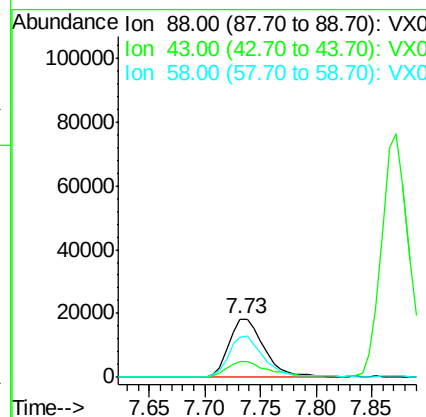
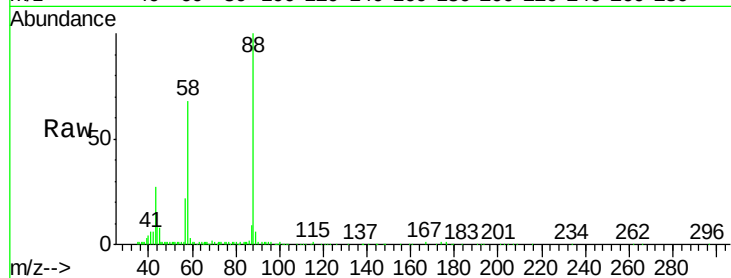
#49
1,4-Dioxane
Concen: 380.679 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	23.4	35.0
58	68.5	54.3	81.5

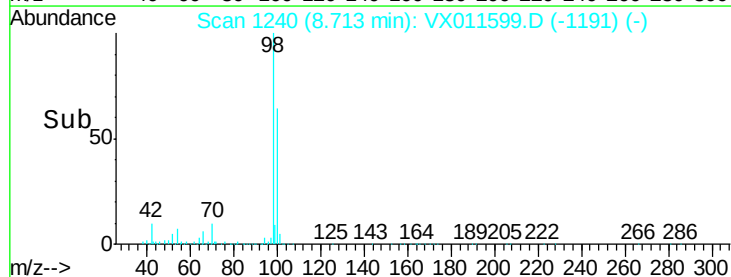
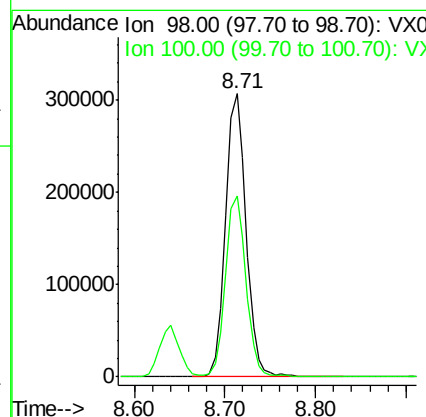
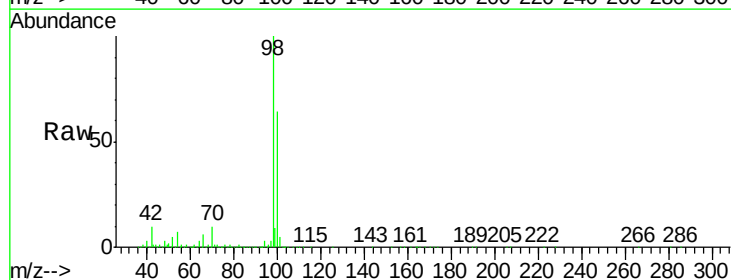
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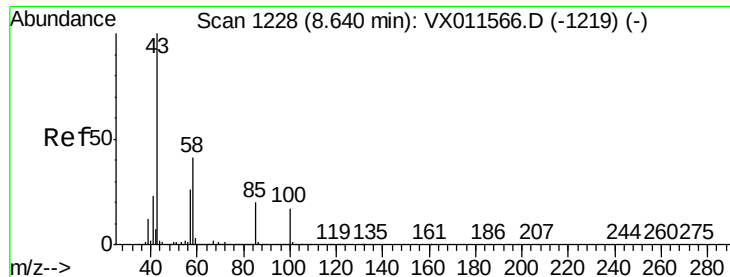
MMDadoda
8/19/2019 10:29:17 AM



#50
Toluene-d8
Concen: 45.978 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.4	78.6





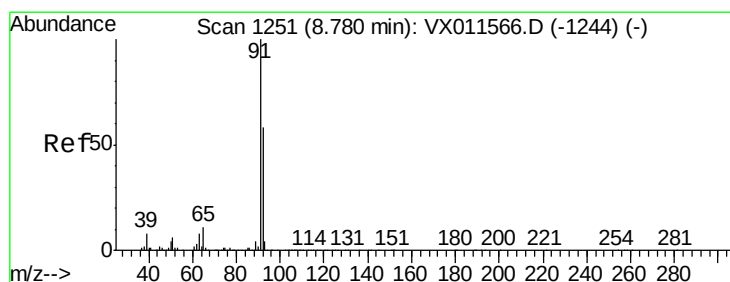
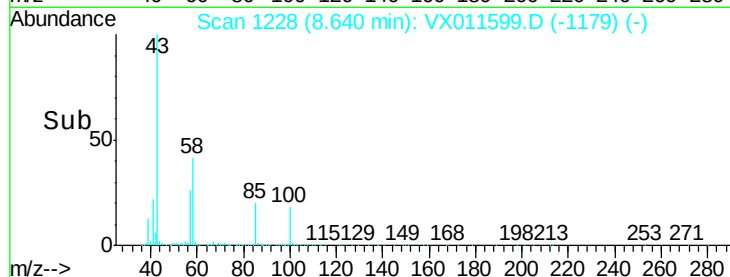
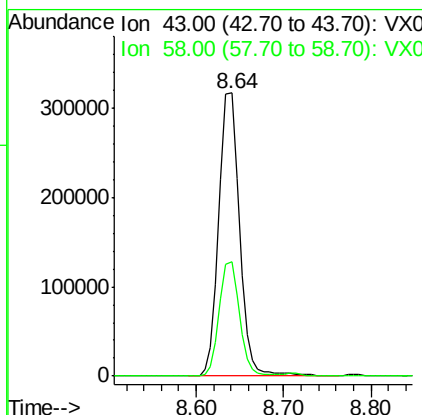
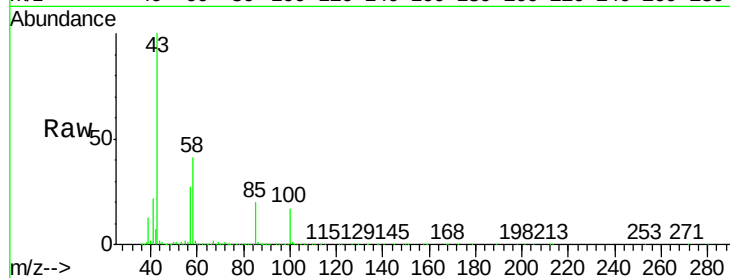
#51
4-Methyl-2-Pentanone
Concen: 100.649 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.8	47.6

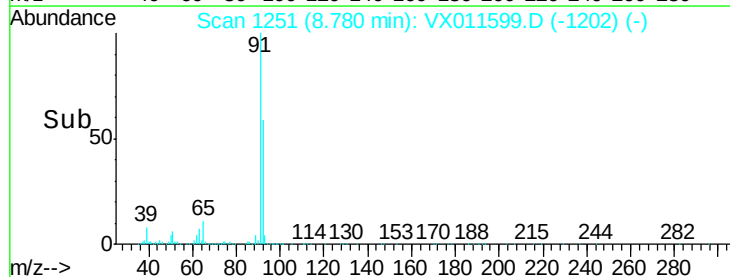
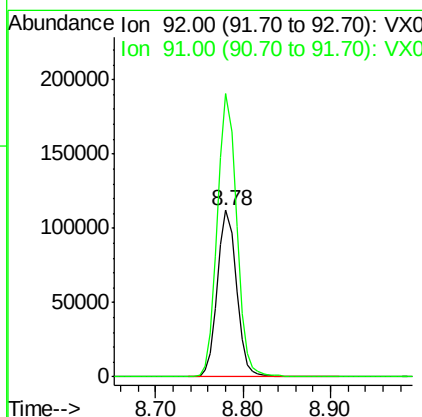
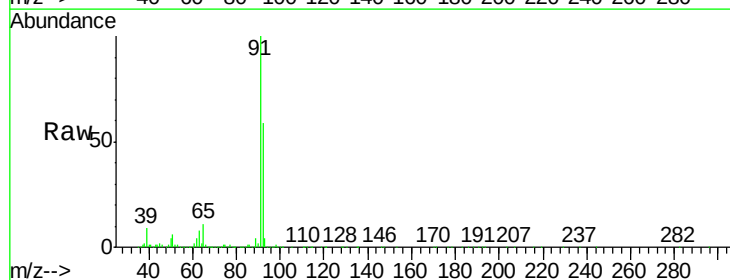
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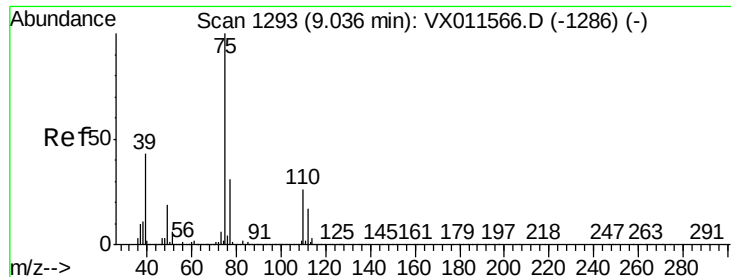
MMDadoda
8/19/2019 10:29:17 AM



#52
Toluene
Concen: 19.615 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.9	138.0	207.0





#53

t-1,3-Dichloropropene

Concen: 18.243 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion: 75 Resp: 86464

Ion Ratio Lower Upper

75 100

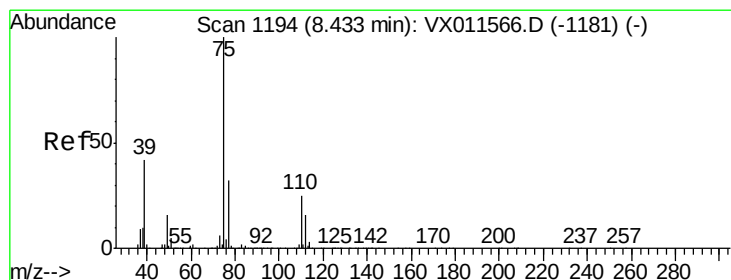
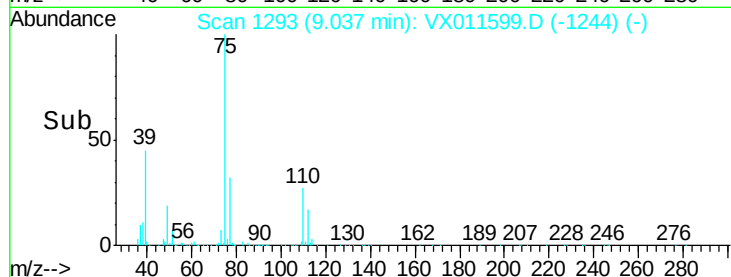
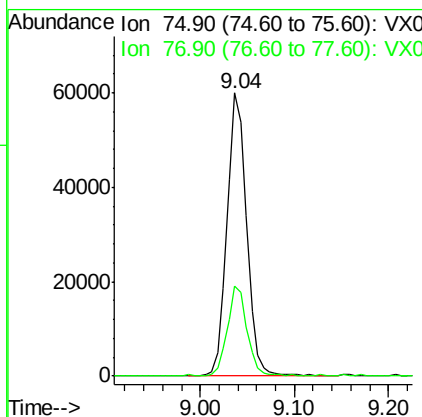
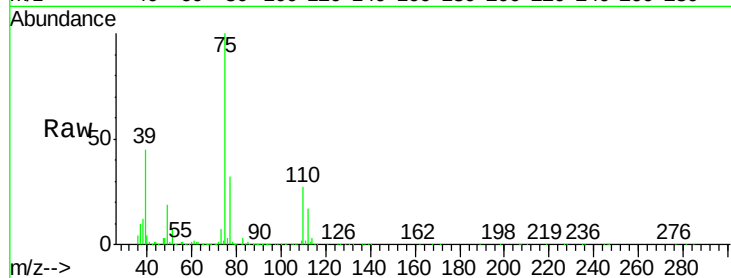
77 31.9 25.1 37.7

Manual Integrations

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MMDadoda

8/19/2019 10:29:17 AM



#54

cis-1,3-Dichloropropene

Concen: 19.013 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

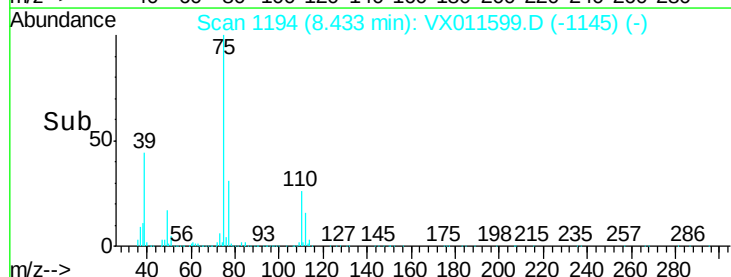
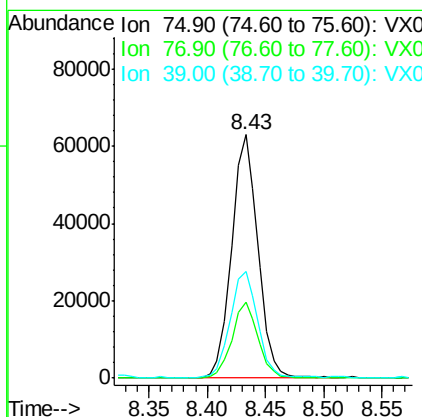
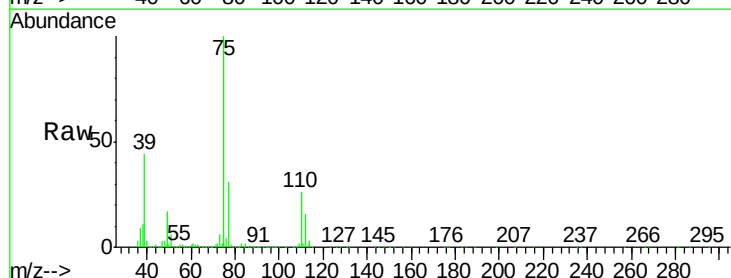
Tgt Ion: 75 Resp: 98616

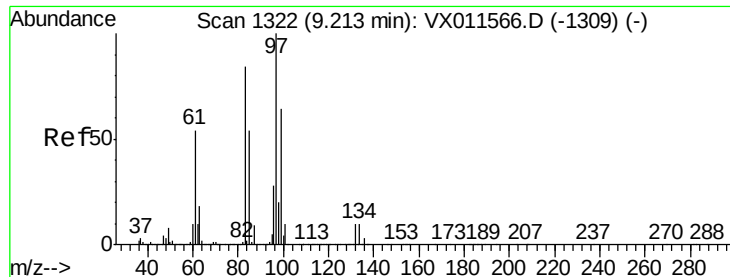
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 43.6 33.6 50.4





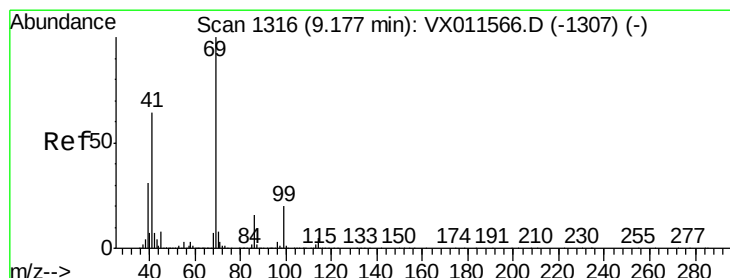
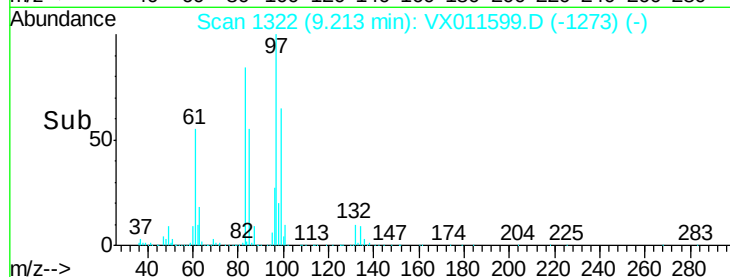
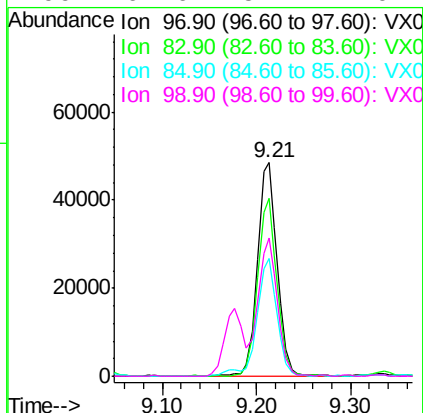
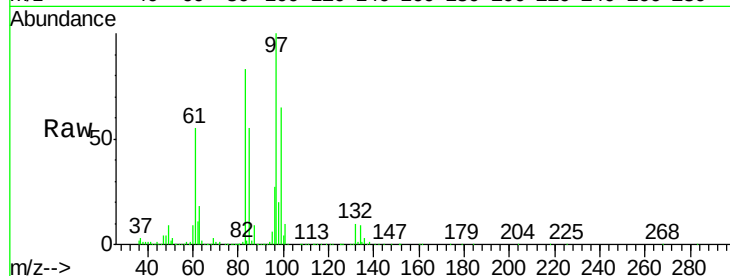
#55
 1,1,2-Trichloroethane
 Concen: 19.340 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion:	97	Resp:	71905
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.0
85	55.0	43.4	65.2
99	64.6	51.1	76.7

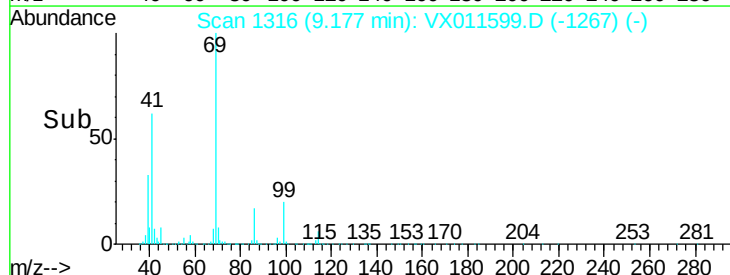
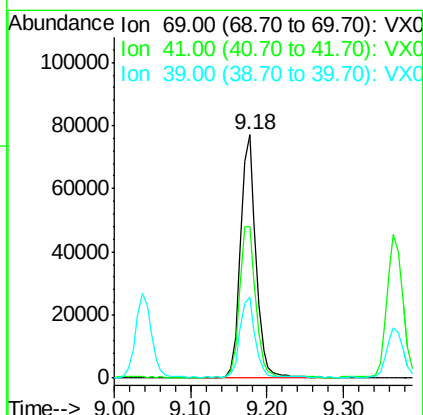
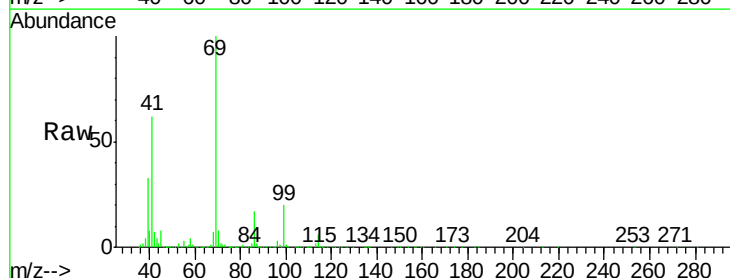
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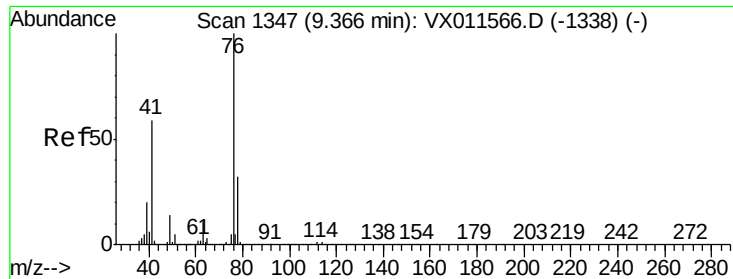
MMDadoda
 8/19/2019 10:29:17 AM



#56
 Ethyl methacrylate
 Concen: 19.923 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion:	69	Resp:	107662
Ion	Ratio	Lower	Upper
69	100		
41	65.5	52.1	78.1
39	32.8	25.4	38.0





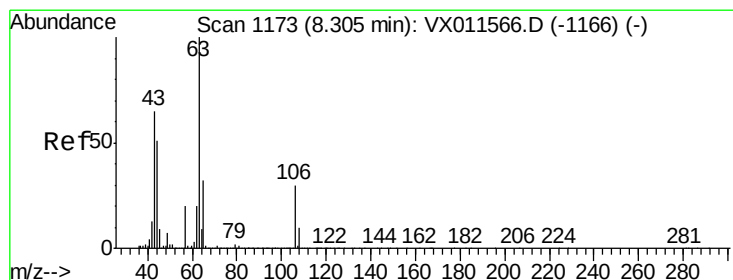
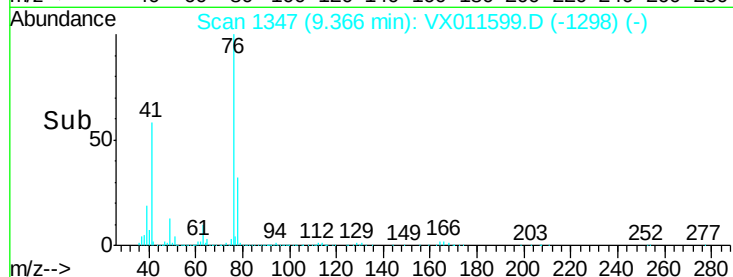
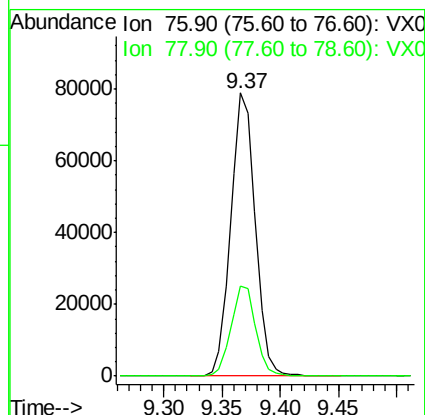
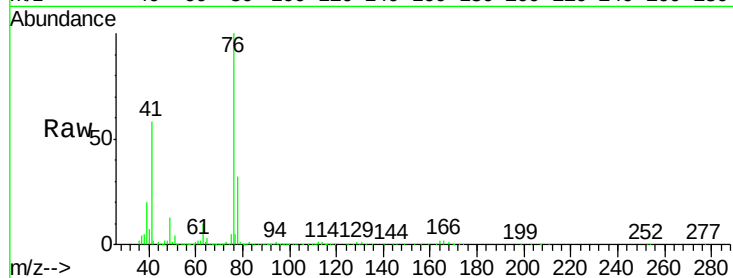
#57
 1,3-Dichloropropane
 Concen: 19.591 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

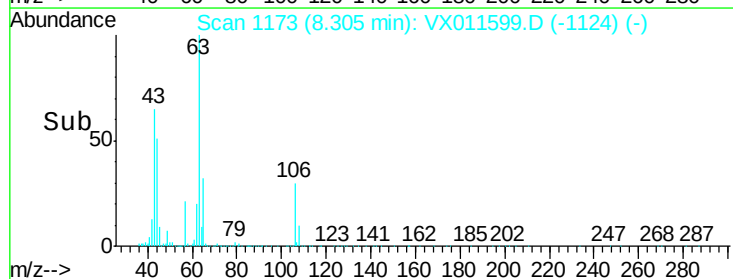
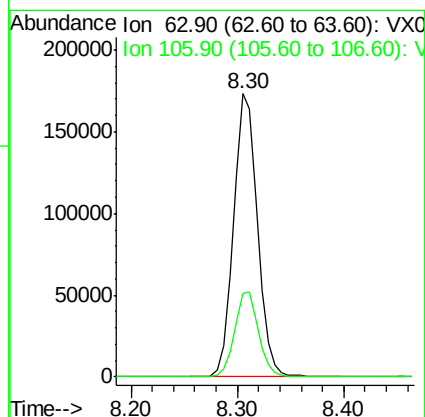
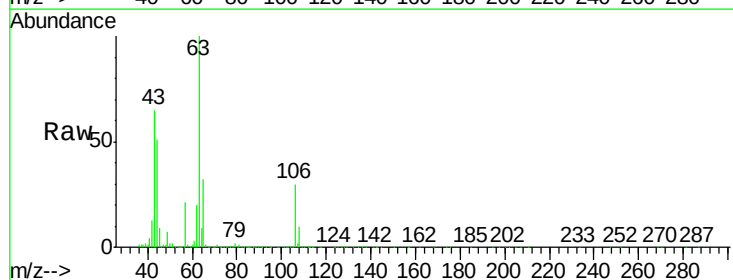
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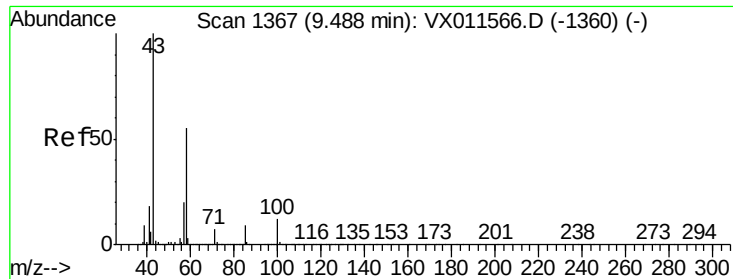
MMDadoda
 8/19/2019 10:29:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.997 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	24.7	37.1





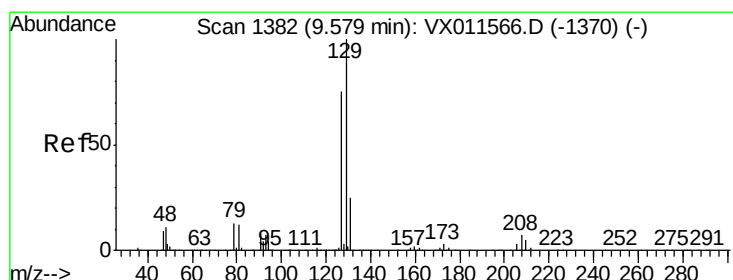
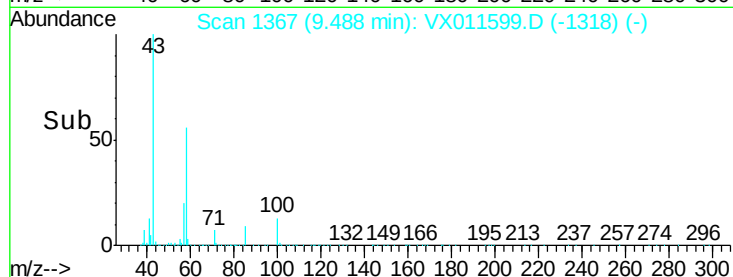
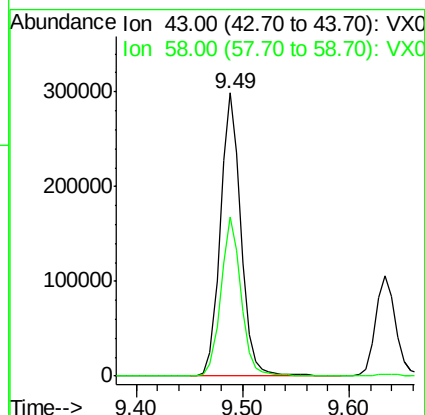
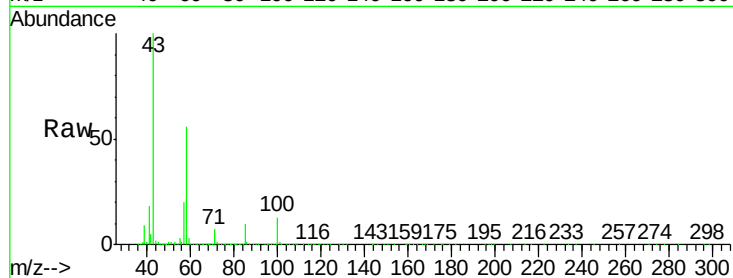
#59
2-Hexanone
Concen: 99.923 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion: 43 Resp: 399810
Ion Ratio Lower Upper
43 100
58 55.4 27.5 82.4

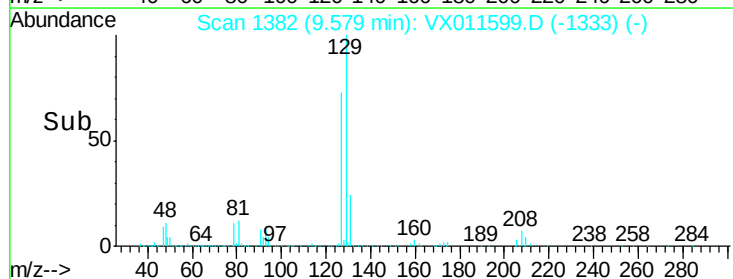
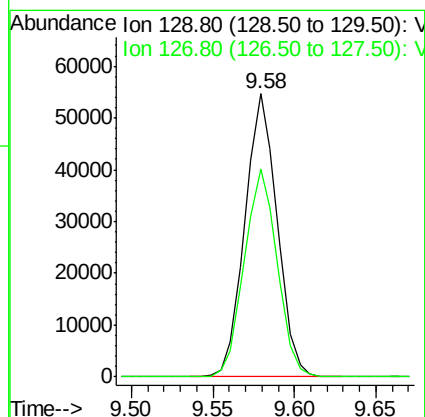
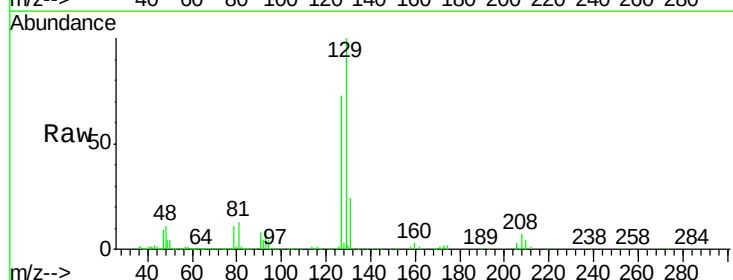
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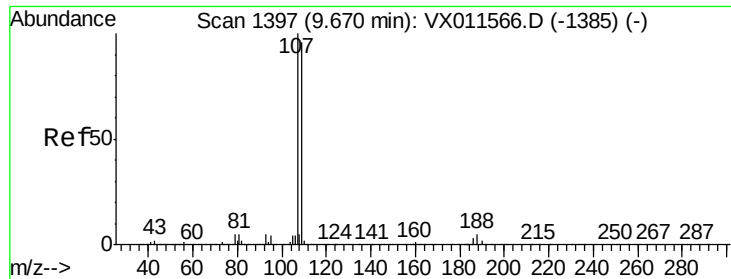
MMDadoda
8/19/2019 10:29:17 AM



#60
Dibromochloromethane
Concen: 19.535 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion: 129 Resp: 75675
Ion Ratio Lower Upper
129 100
127 74.8 38.0 114.1





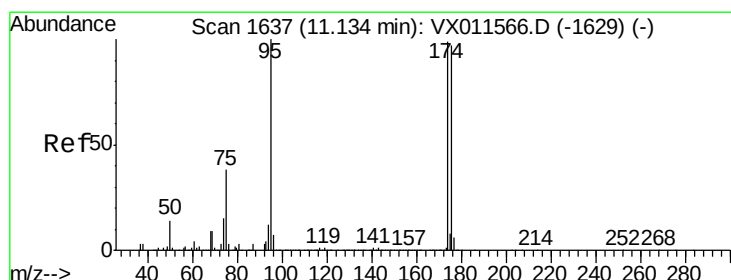
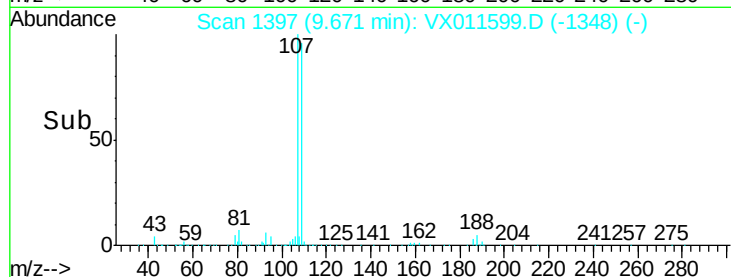
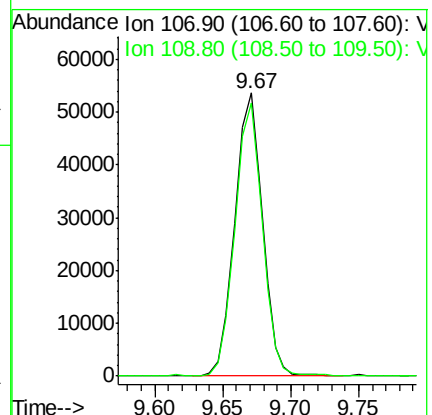
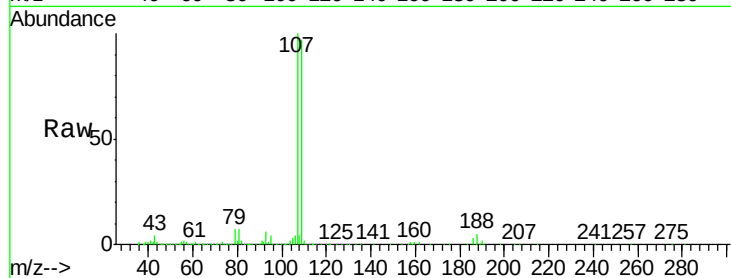
#61
 1,2-Dibromoethane
 Concen: 19.288 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.2	114.2

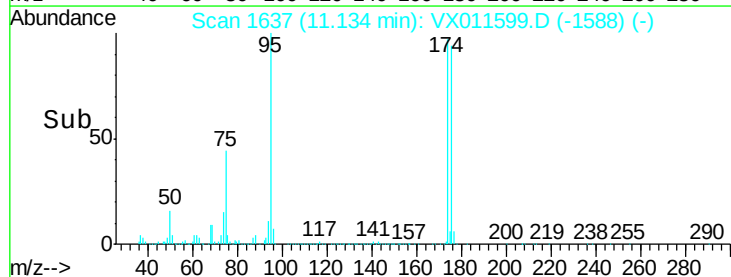
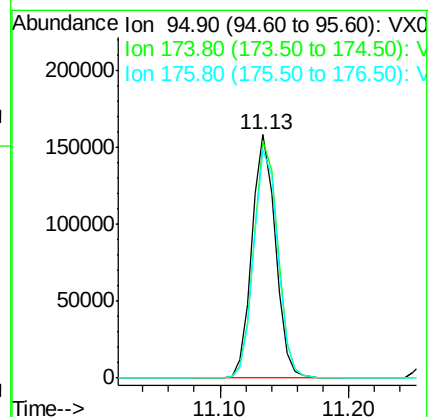
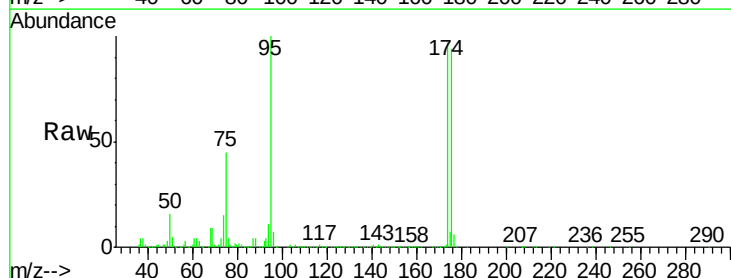
Manual Integrations
 APPROVED

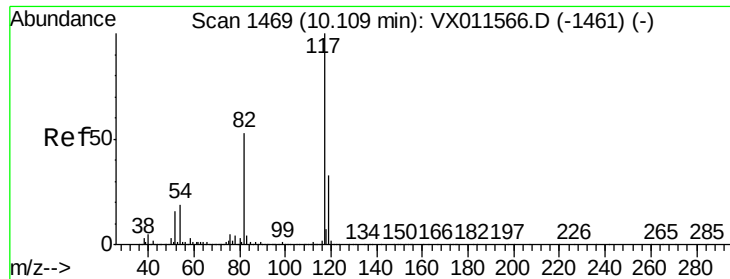
MMDadoda
 8/19/2019 10:29:17 AM



#62
 4-Bromofluorobenzene
 Concen: 44.450 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.3	0.0	200.6
176	96.4	0.0	196.6





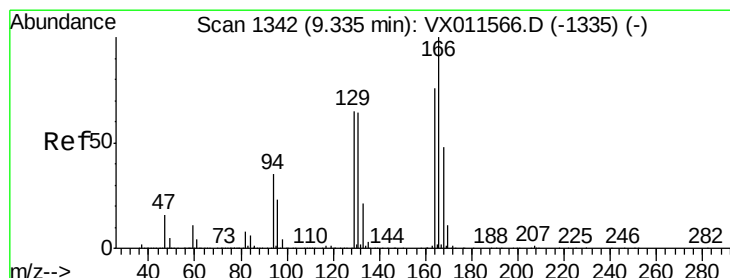
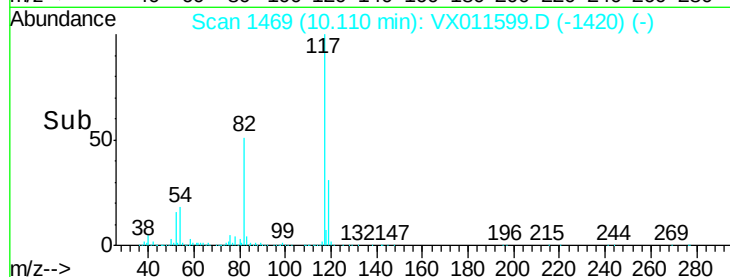
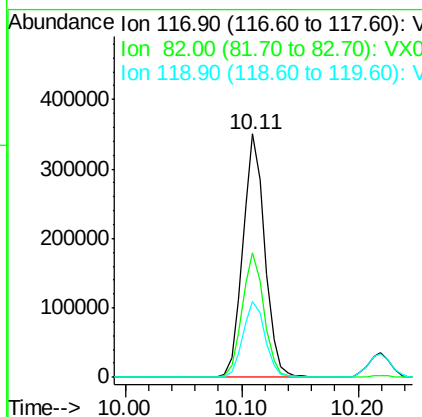
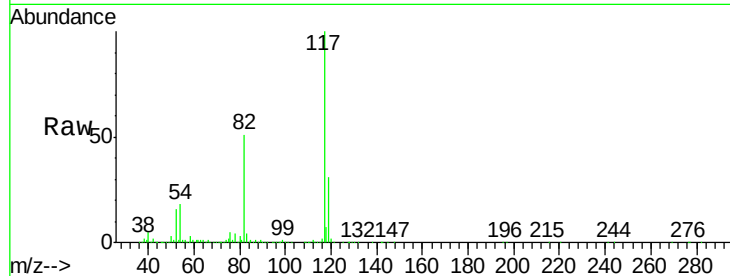
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	460884		
82	51.1	42.0	63.0	
119	31.2	26.5	39.7	

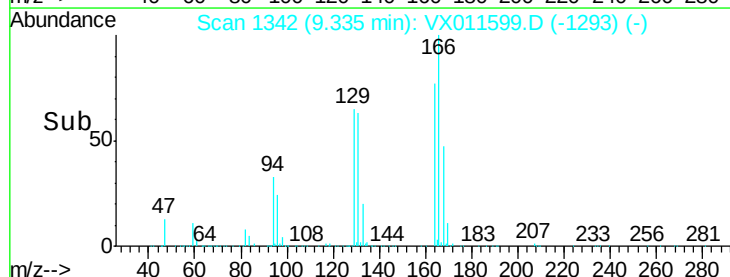
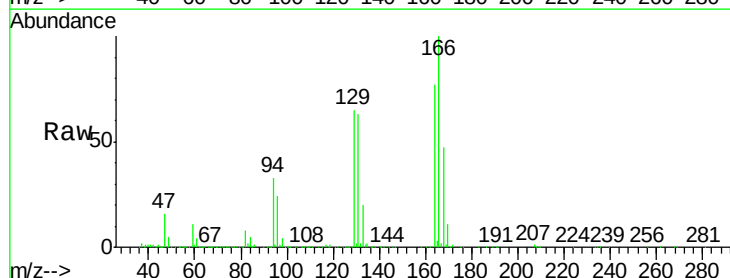
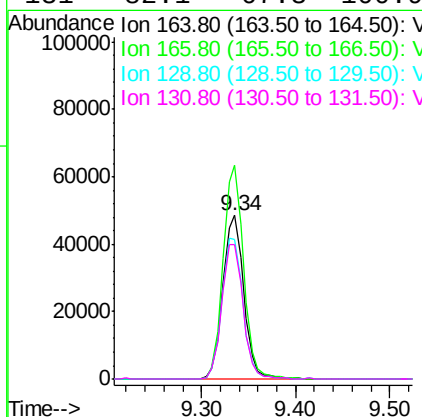
Manual Integrations
APPROVED

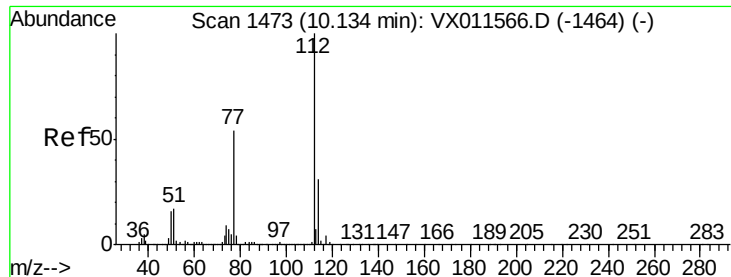
MMDadoda
8/19/2019 10:29:17 AM



#64
Tetrachloroethene
Concen: 19.837 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75014		
166	130.5	104.7	157.1	
129	85.1	68.2	102.4	
131	82.1	67.3	100.9	





#65

Chlorobenzene

Concen: 19.443 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion:112 Resp: 191131

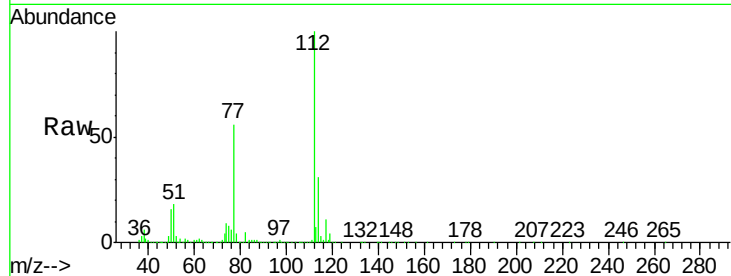
Ion Ratio Lower Upper

112 100

114 31.4 25.0 37.6

Manual Integrations
APPROVED

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8/19/2019 10:29:17 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

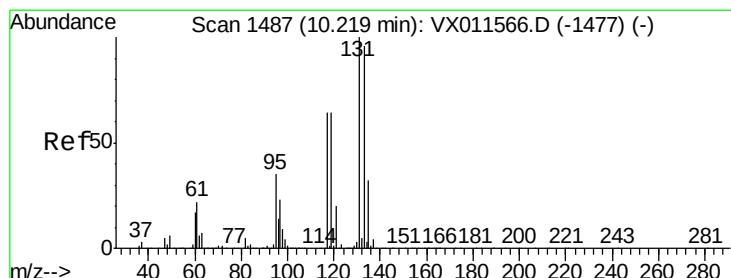
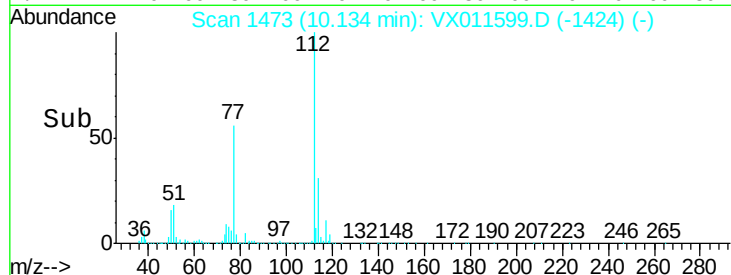
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.885 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

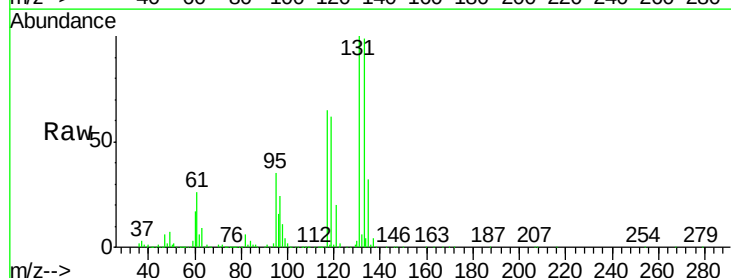
Tgt Ion:131 Resp: 73062

Ion Ratio Lower Upper

131 100

133 96.6 48.1 144.4

119 62.2 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

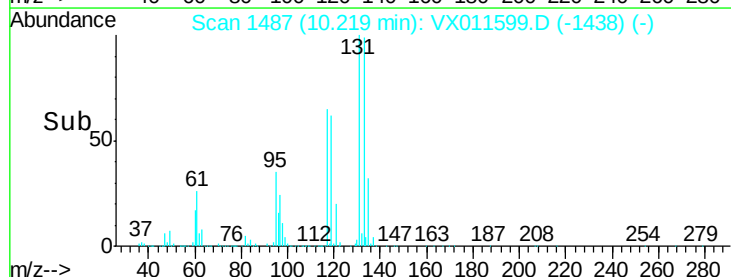
150000

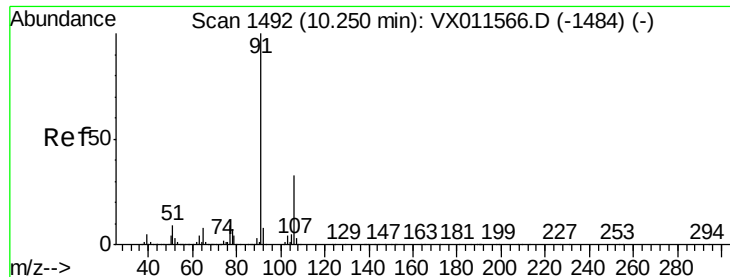
100000

50000

0

Time-->





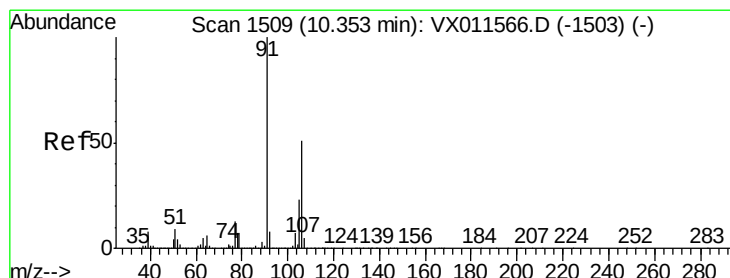
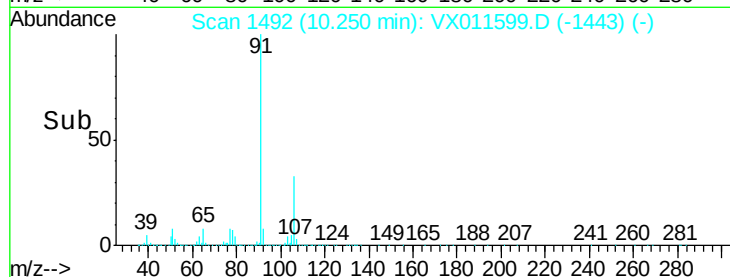
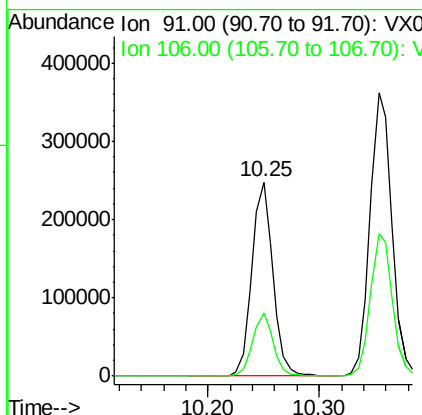
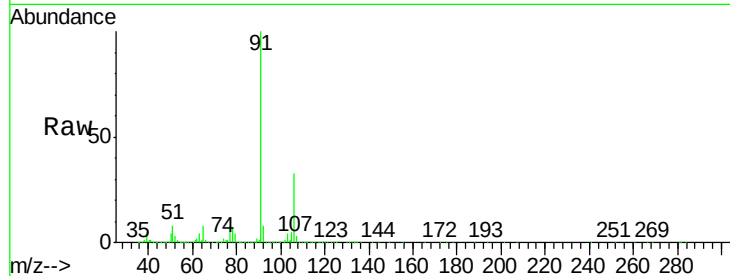
#67
Ethyl Benzene
Concen: 19.876 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion: 91 Resp: 326078
Ion Ratio Lower Upper
91 100
106 32.7 26.0 39.0

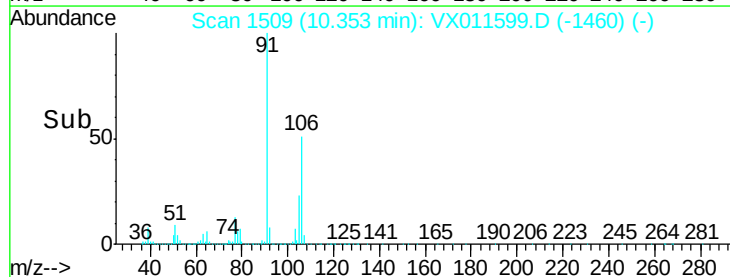
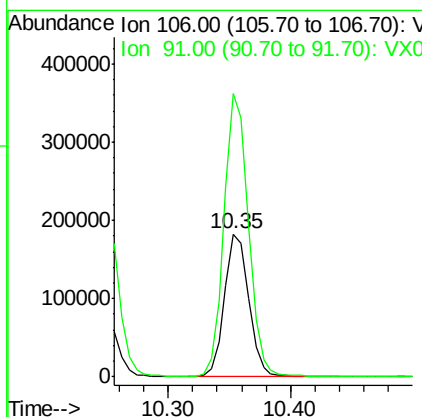
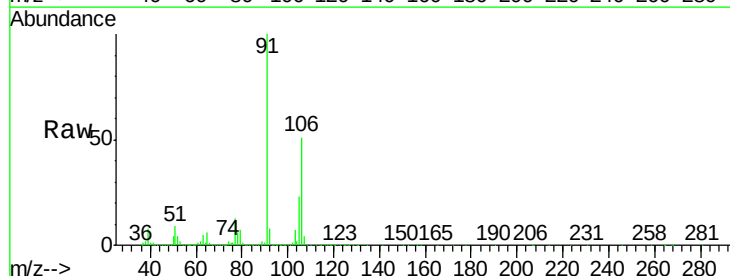
Manual Integrations
APPROVED

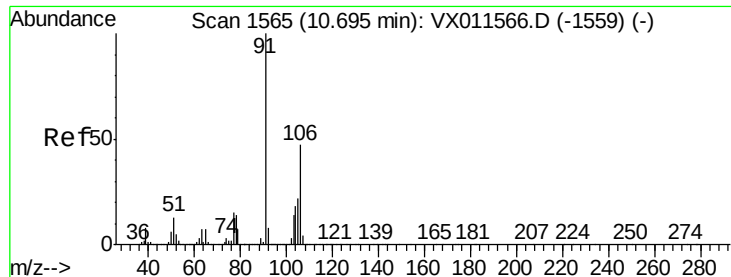
MMDadoda
8/19/2019 10:29:17 AM



#68
m/p-Xylenes
Concen: 39.831 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion: 106 Resp: 250828
Ion Ratio Lower Upper
106 100
91 199.2 156.0 234.0





#69

o-Xylene

Concen: 19.957 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion:106 Resp: 123102

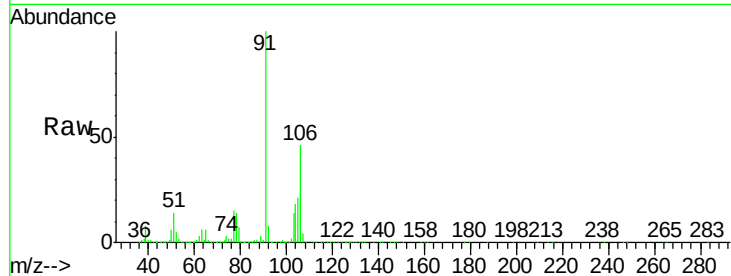
Ion Ratio Lower Upper

106 100

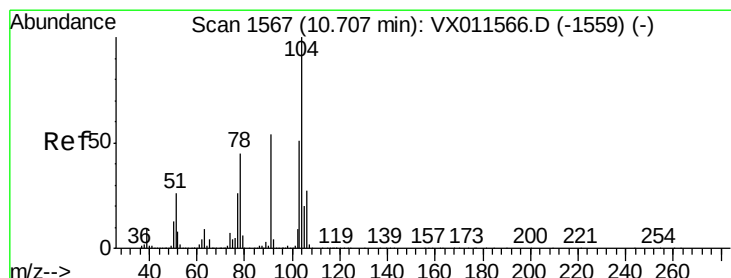
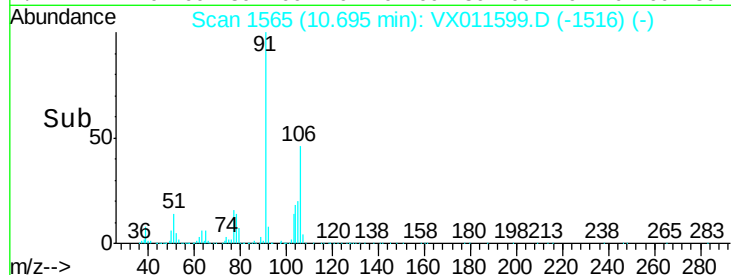
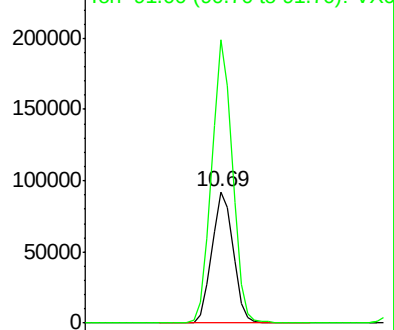
91 209.7 105.5 316.4

Manual Integrations
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MMDadoda
8/19/2019 10:29:17 AM



Abundance Ion 106.00 (105.70 to 106.70): V



#70

Styrene

Concen: 19.924 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

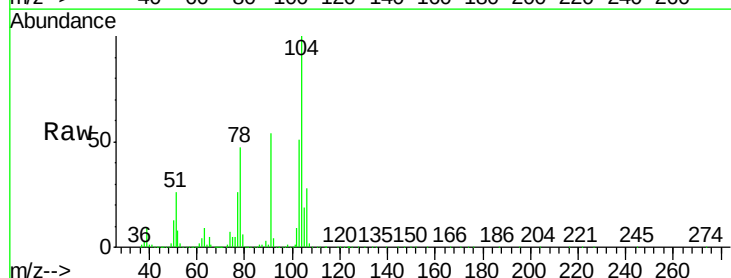
Tgt Ion:104 Resp: 206900

Ion Ratio Lower Upper

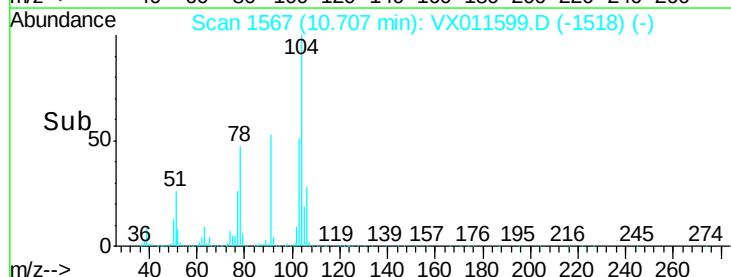
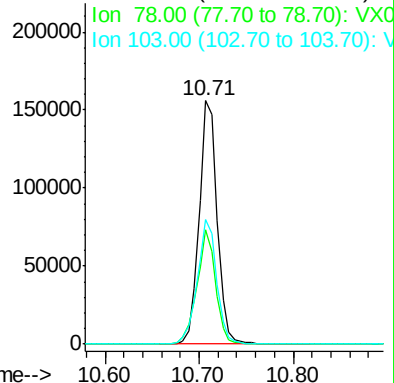
104 100

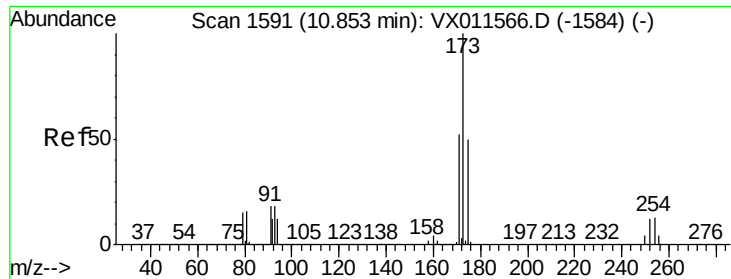
78 48.2 38.2 57.4

103 54.9 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V





#71

Bromoform

Concen: 18.656 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion:173 Resp: 58726

Ion Ratio Lower Upper

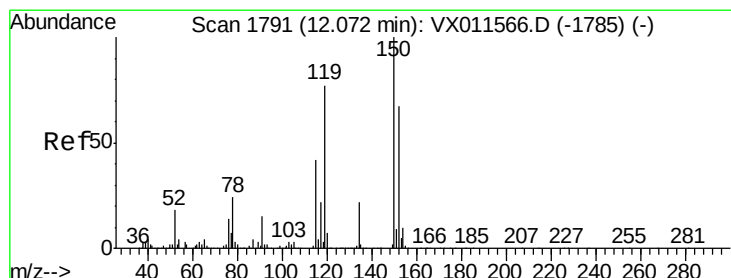
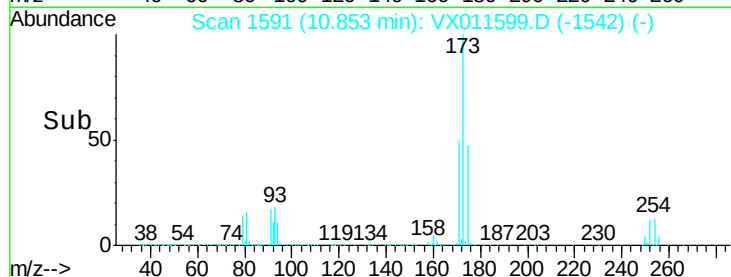
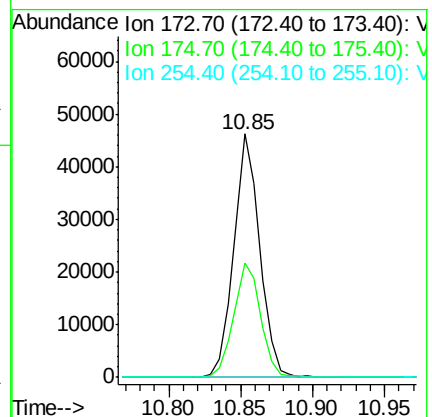
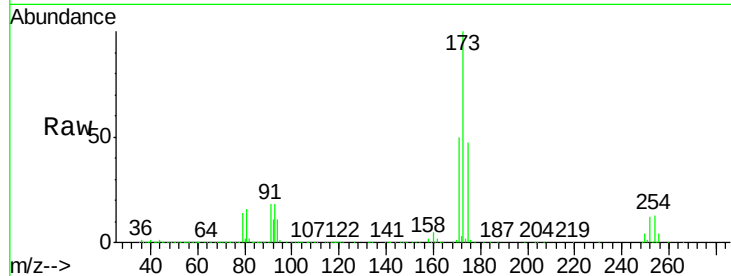
173 100

175 49.0 24.9 74.7

254 0.3 0.1 0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

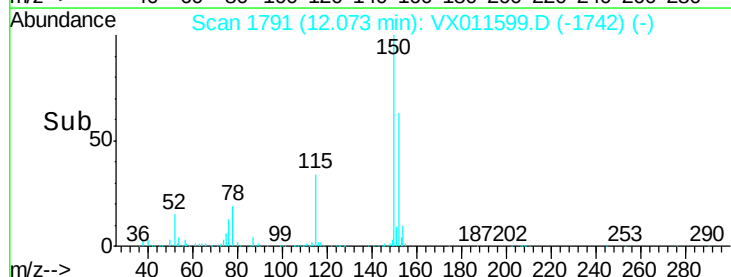
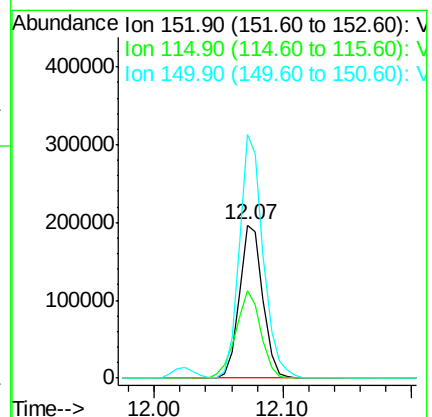
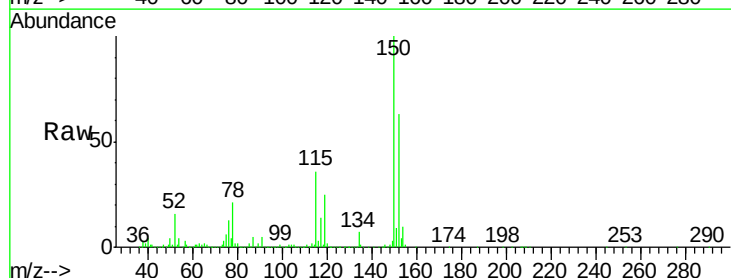
Tgt Ion:152 Resp: 247424

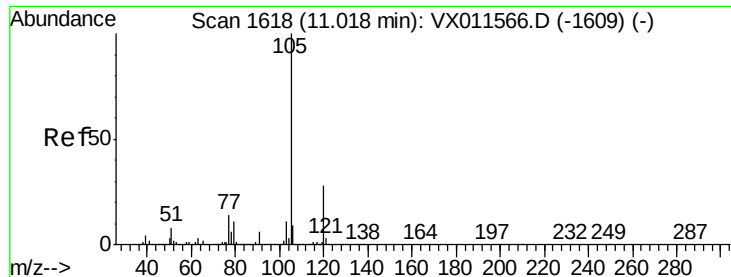
Ion Ratio Lower Upper

152 100

115 61.7 37.3 111.9

150 161.8 0.0 346.2





#73

Isopropylbenzene

Concen: 20.321 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion: 105 Resp: 326254

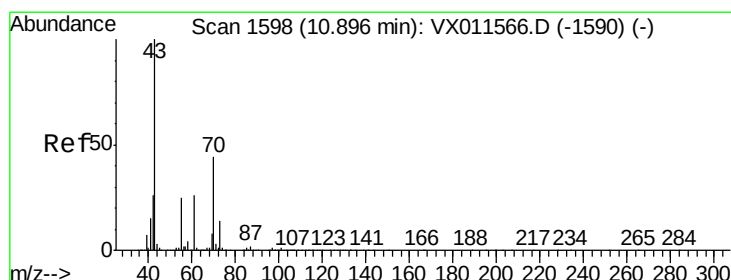
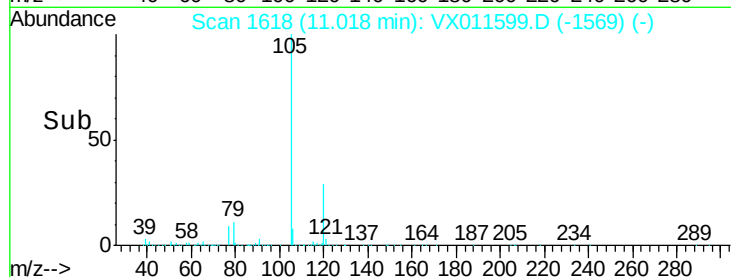
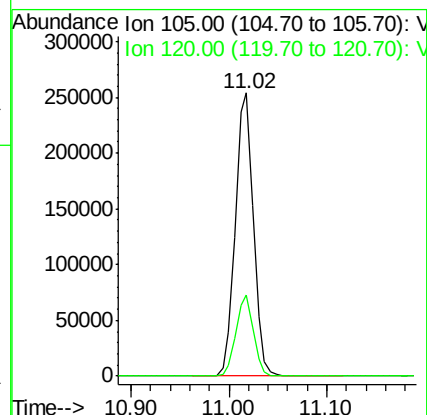
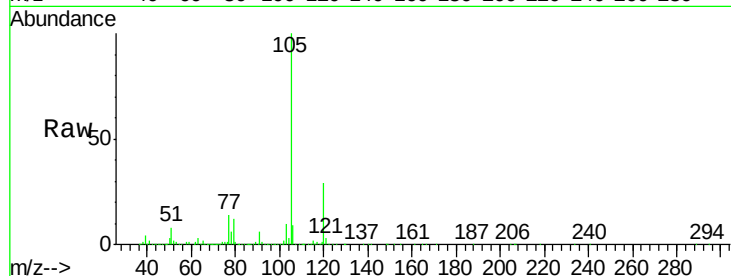
Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.327 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion: 43 Resp: 131867

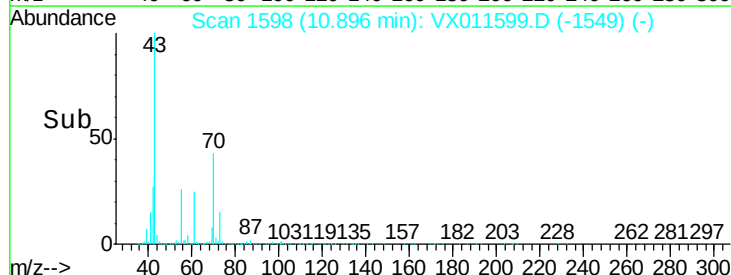
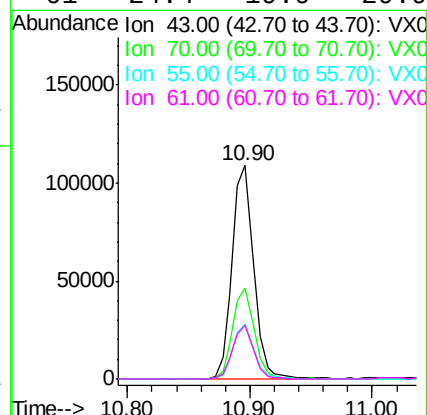
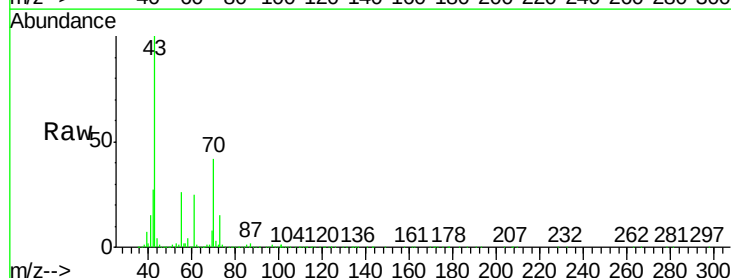
Ion Ratio Lower Upper

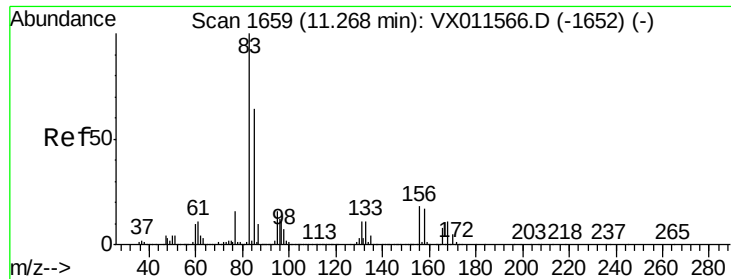
43 100

70 42.9 34.7 52.1

55 25.1 19.6 29.4

61 24.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.757 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

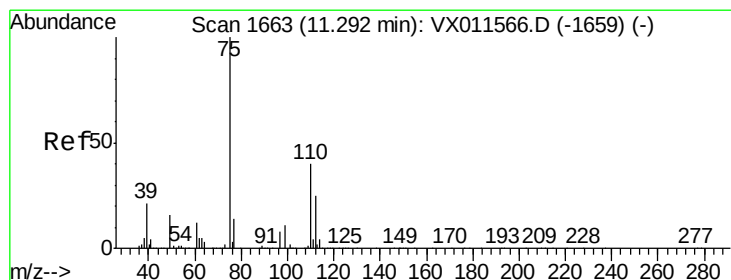
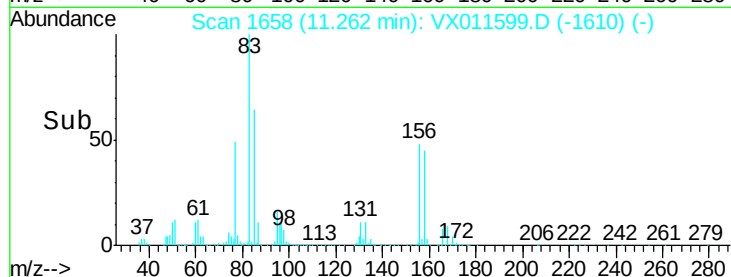
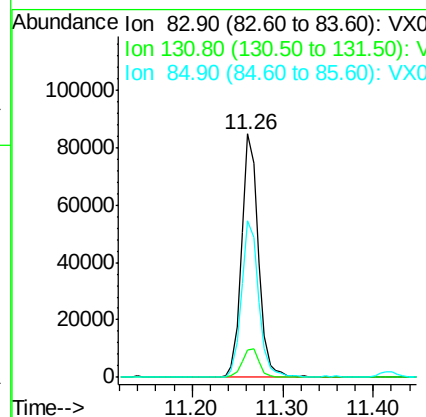
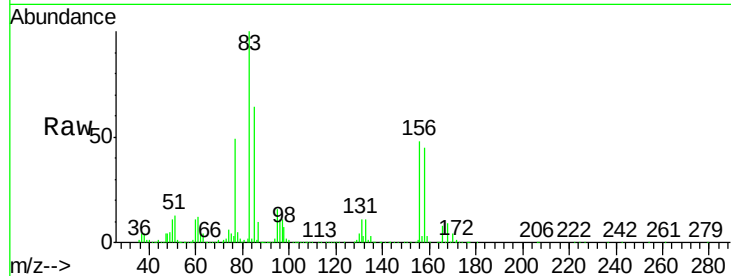
ClientSampleId :

VX0816WBSD02

Tot Ion:	83	Resp:	109116
Ion Ratio		Lower	Upper
83	100		
131	12.2	5.8	17.3
85	65.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.286 ug/l m

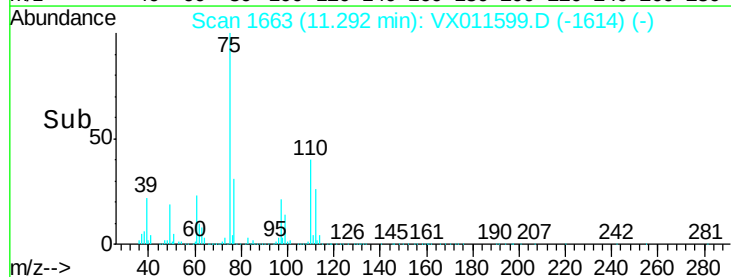
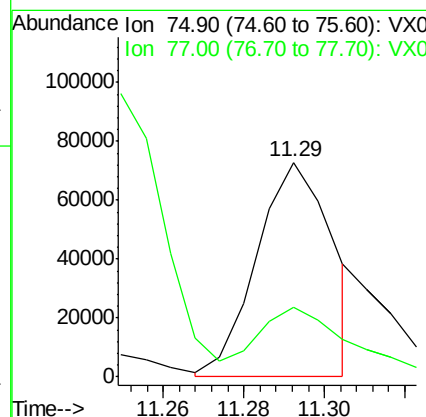
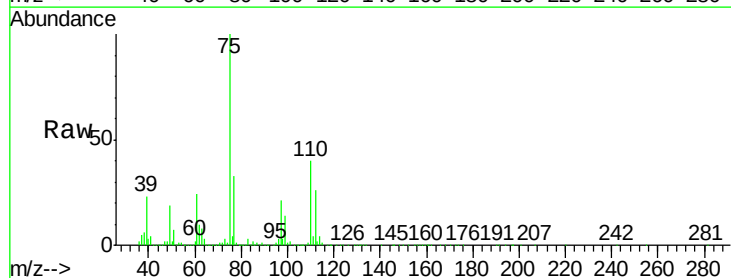
RT: 11.29 min Scan# 1663

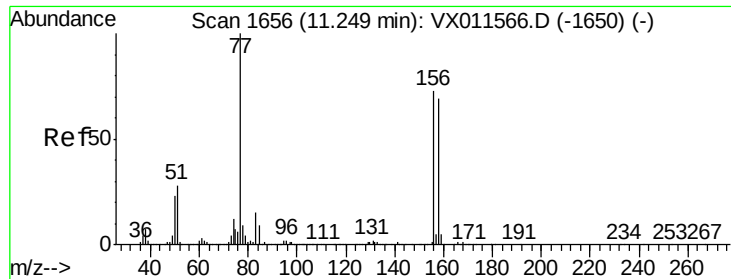
Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion:	75	Resp:	95176
Ion Ratio		Lower	Upper
75	100		
77	39.6	20.9	62.8





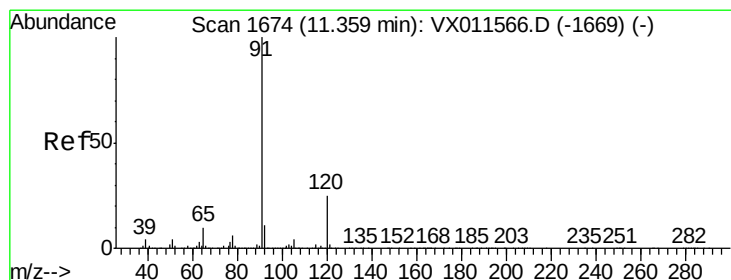
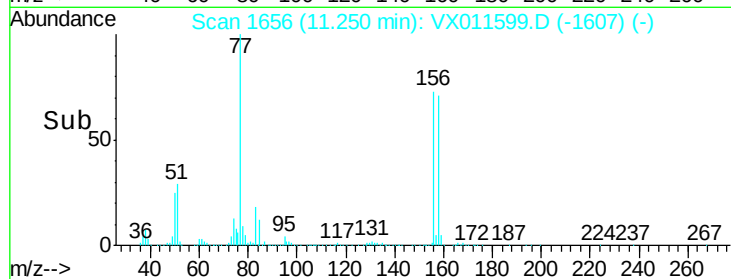
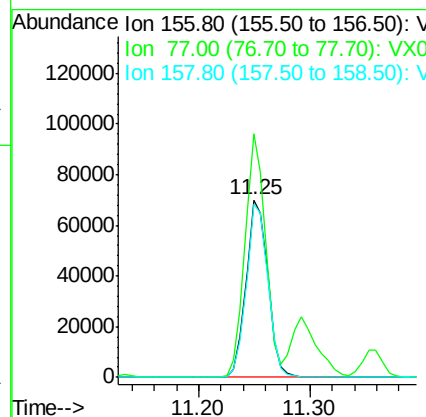
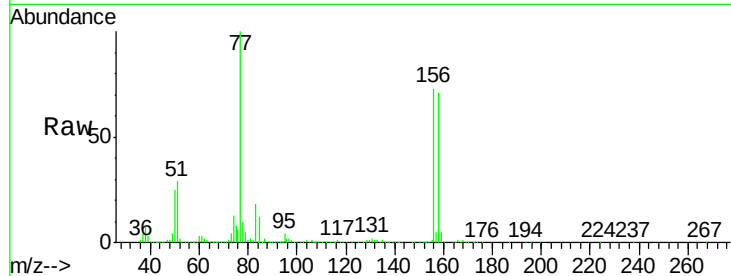
#77
Bromobenzene
Concen: 19.882 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.9	64.6	193.9
158	96.8	48.4	145.3

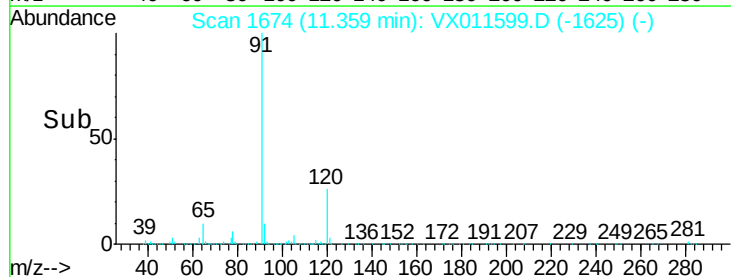
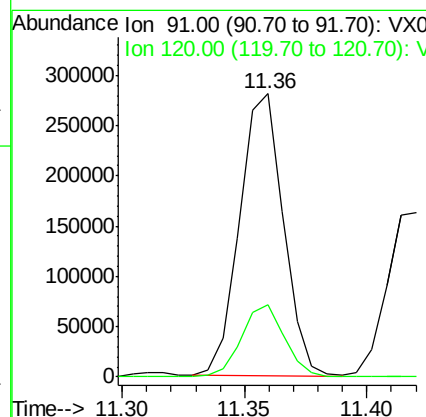
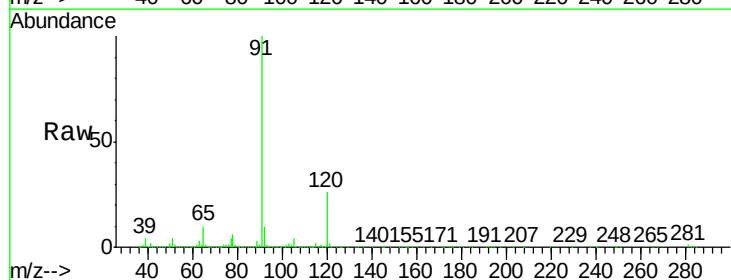
Manual Integrations
APPROVED

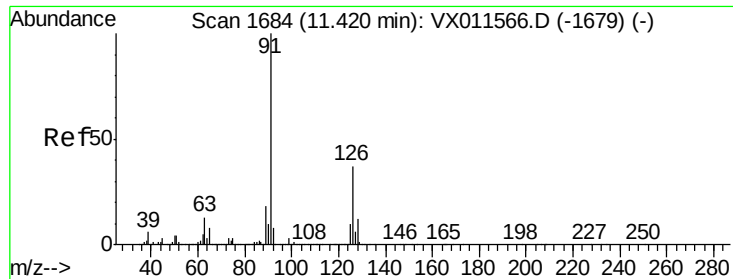
MMDadoda
8/19/2019 10:29:17 AM



#78
n-propylbenzene
Concen: 20.169 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.6	37.6





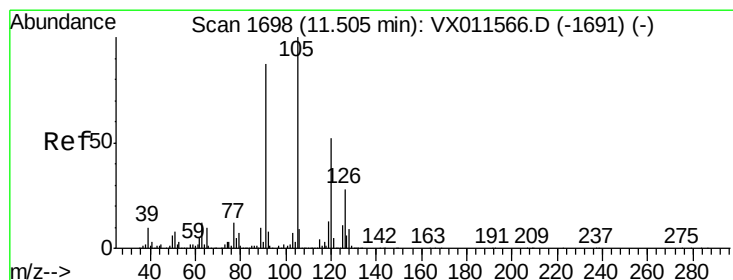
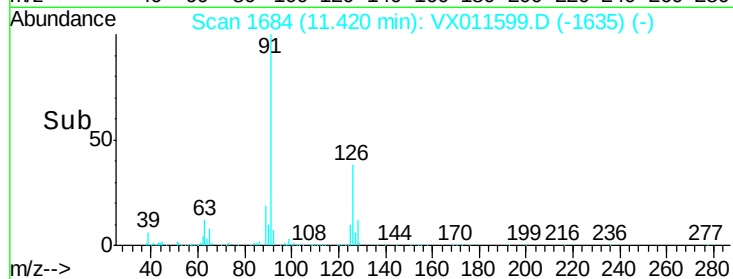
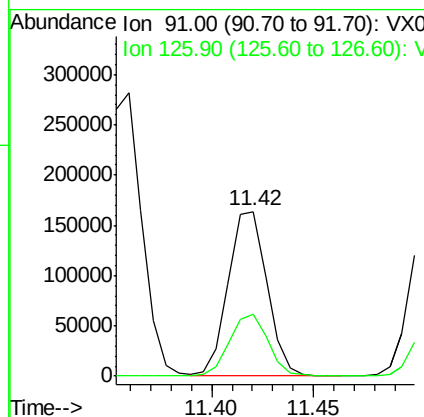
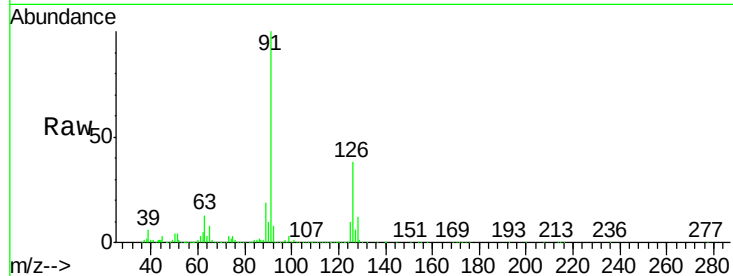
#79
2-Chlorotoluene
Concen: 20.156 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		214268		
126	37.6	18.4	55.0		

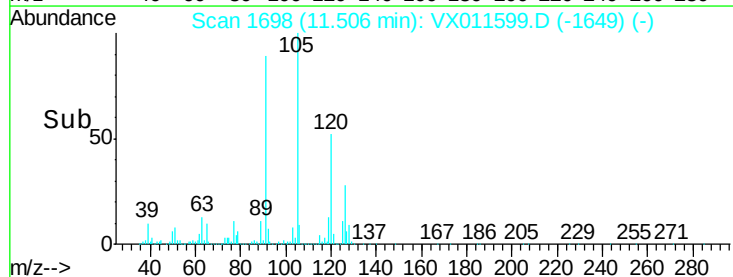
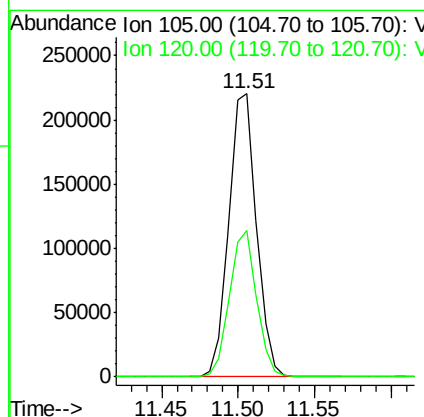
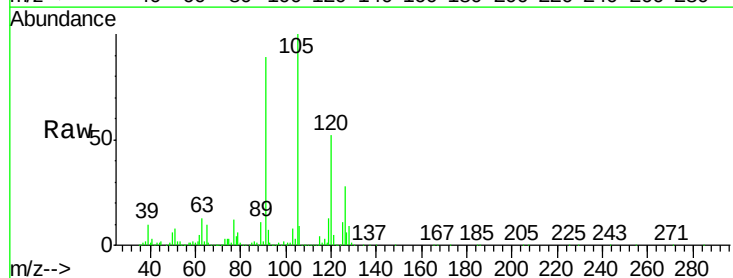
Manual Integrations
APPROVED

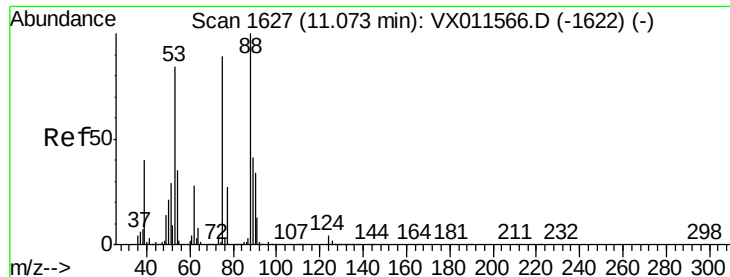
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.467 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		276038		
120	50.6	25.3	75.8		





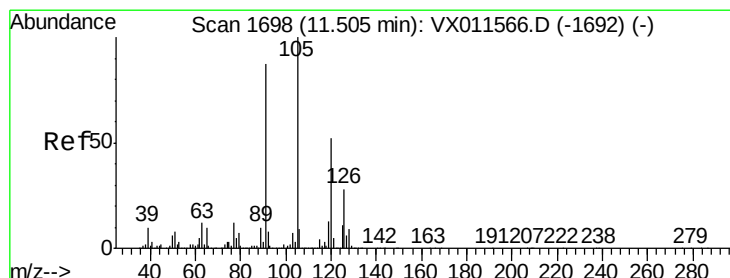
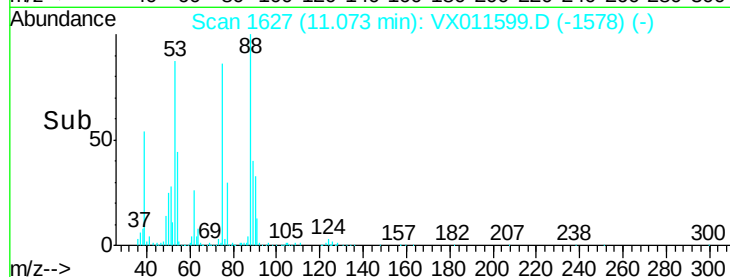
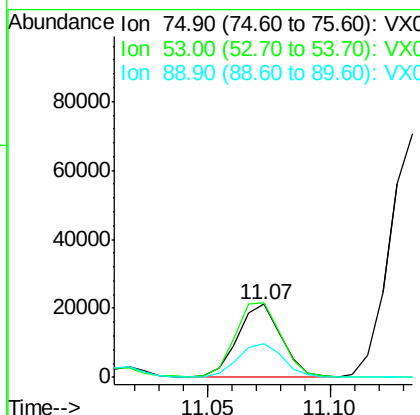
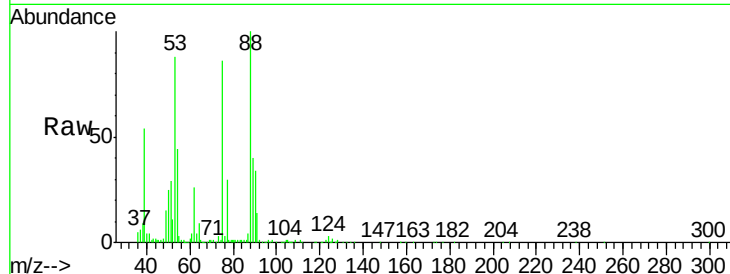
#81
trans-1,4-Dichloro-2-butene
Concen: 18.171 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	77.4	116.0
89	49.5	37.3	55.9

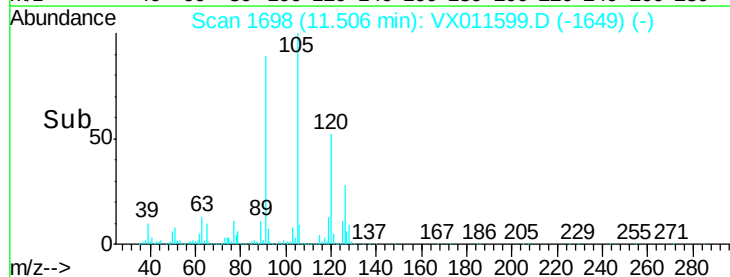
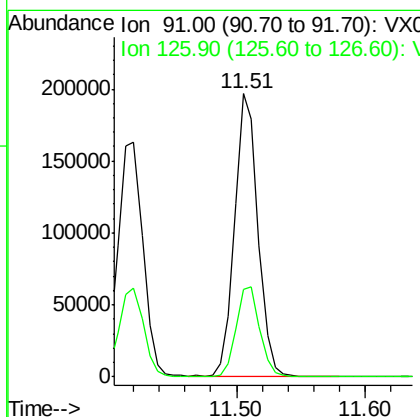
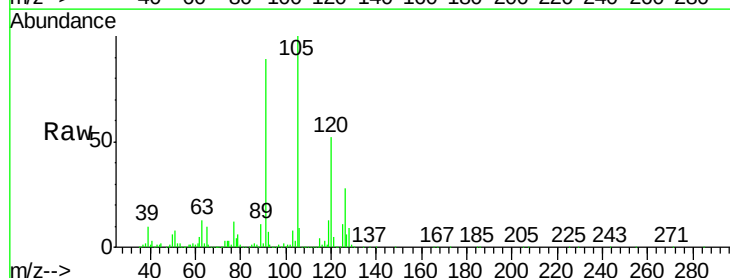
Manual Integrations
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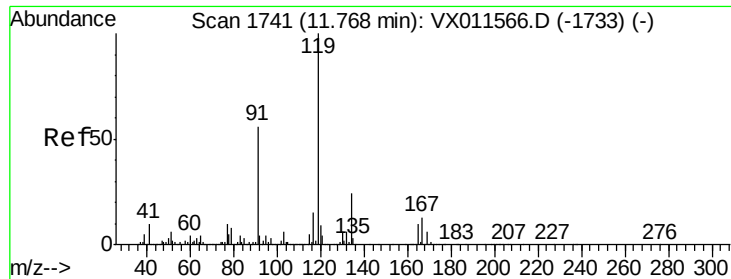
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.145 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011599.D
Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.1





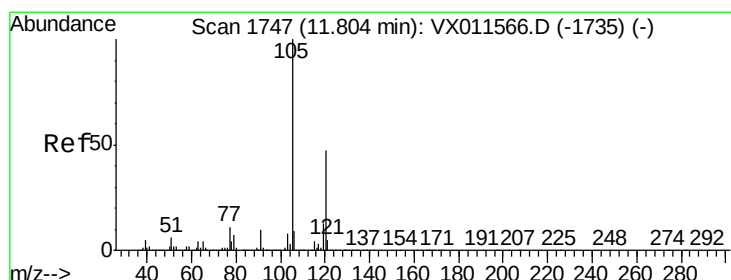
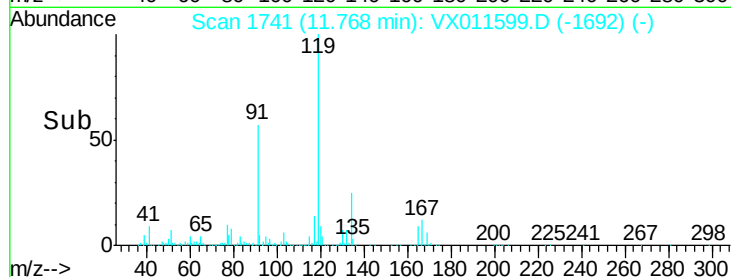
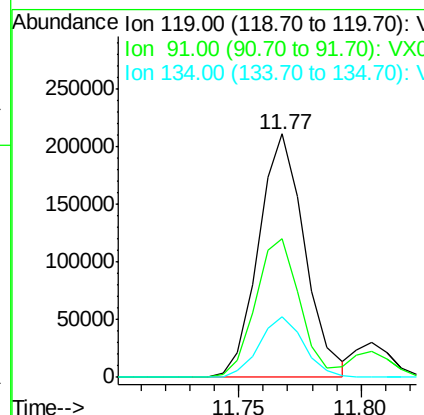
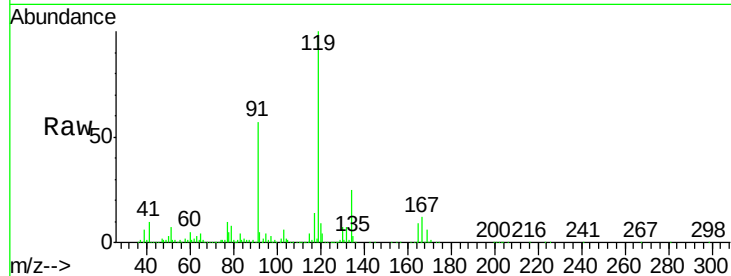
#83
 tert-Butylbenzene
 Concen: 20.286 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278652		
91	55.5	27.1	81.3	
134	24.0	11.8	35.3	

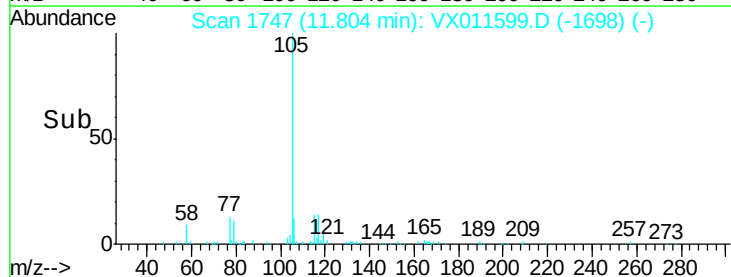
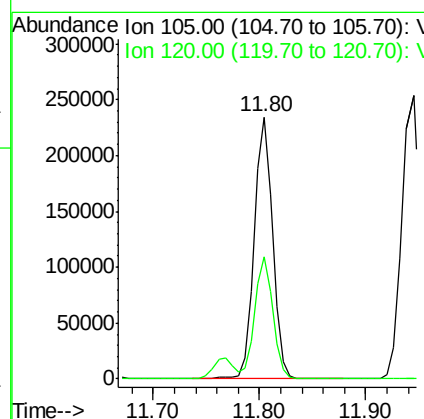
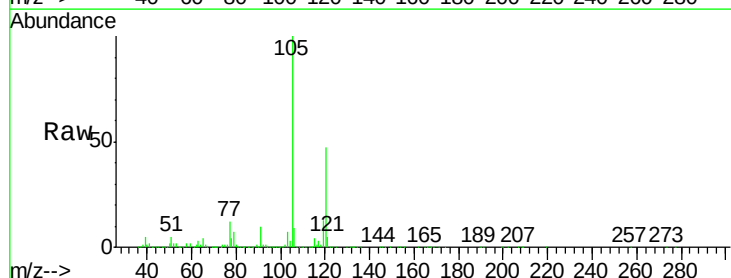
Manual Integrations
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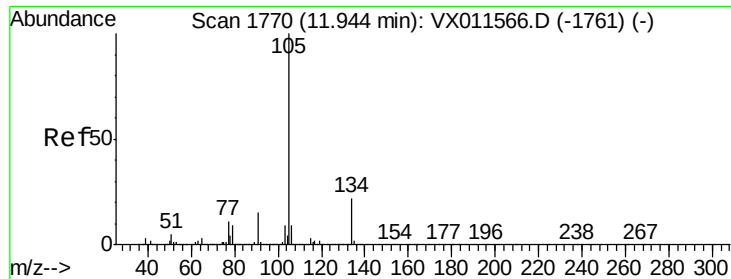
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.919 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283235		
120	46.4	23.3	69.9	





#85

sec-Butylbenzene

Concen: 20.083 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD02

Tot Ion:105 Resp: 311232

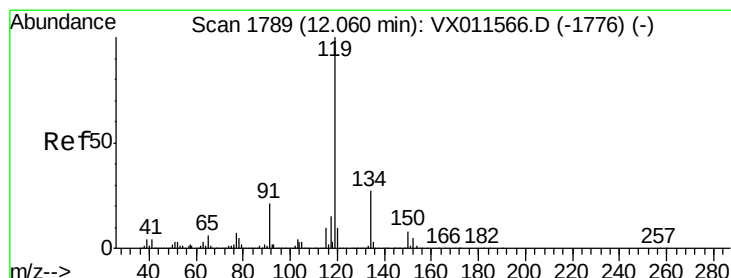
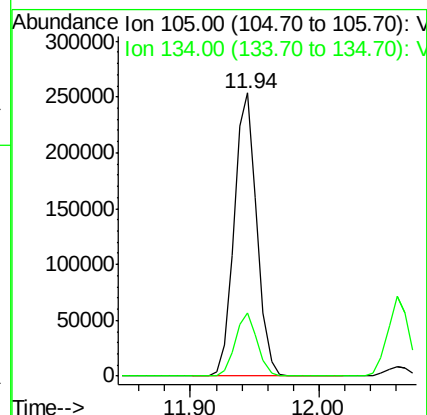
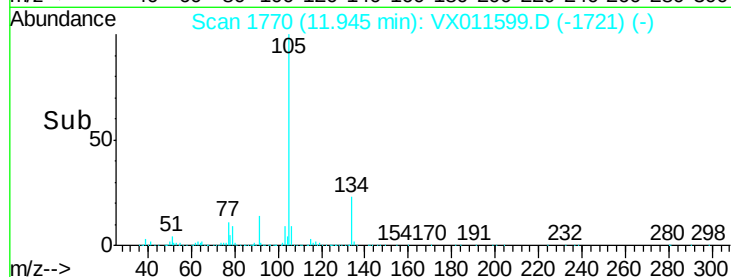
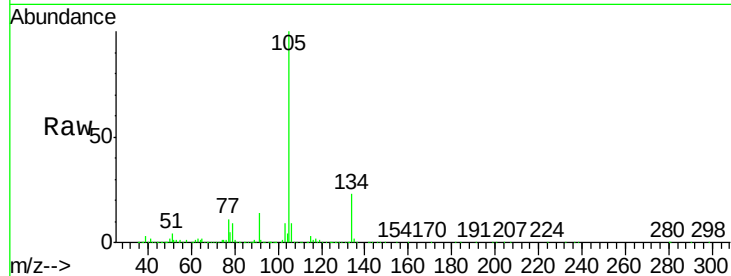
Ion Ratio Lower Upper

105 100

134 21.9 10.8 32.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.366 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

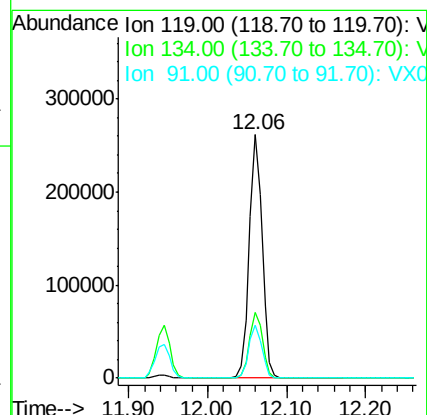
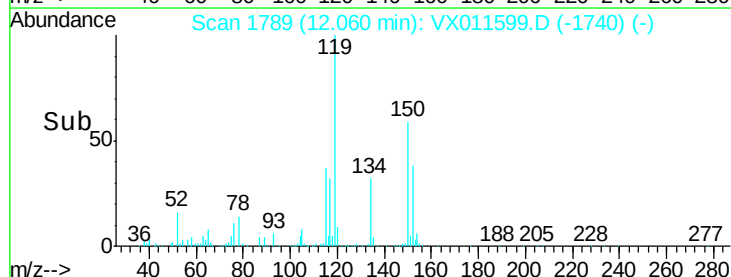
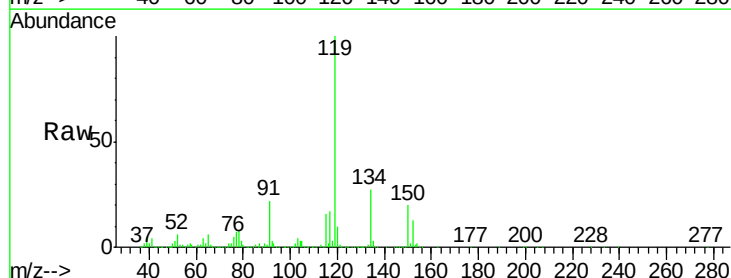
Tgt Ion:119 Resp: 296931

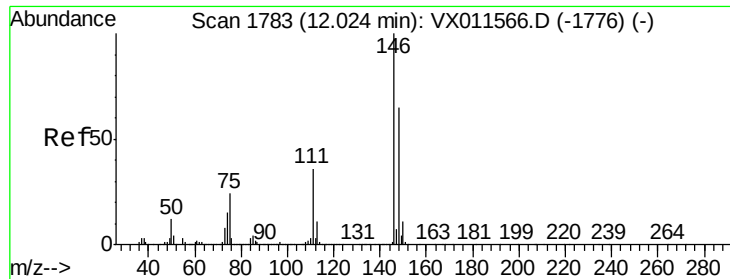
Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

91 22.1 10.9 32.9





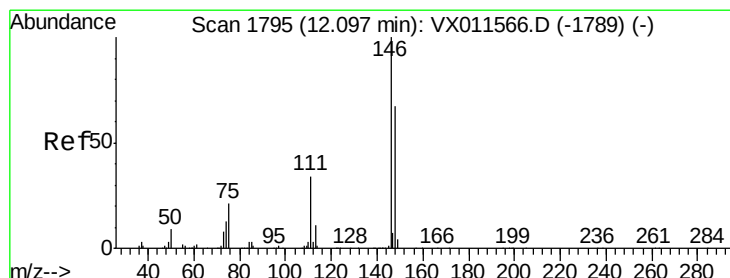
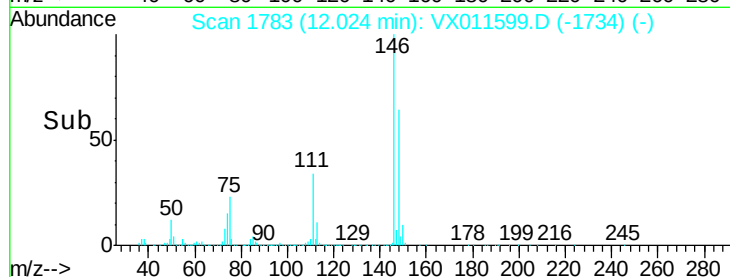
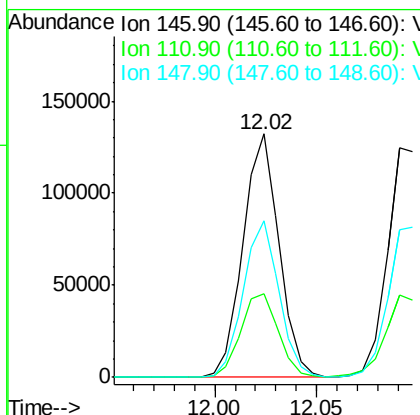
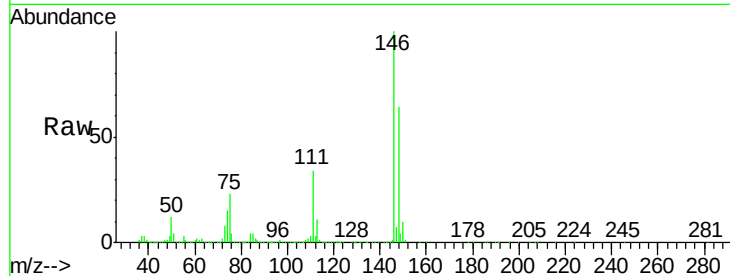
#87
 1,3-Dichlorobenzene
 Concen: 19.751 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	162163		
111	36.1	18.1	54.4	
148	63.9	32.0	96.0	

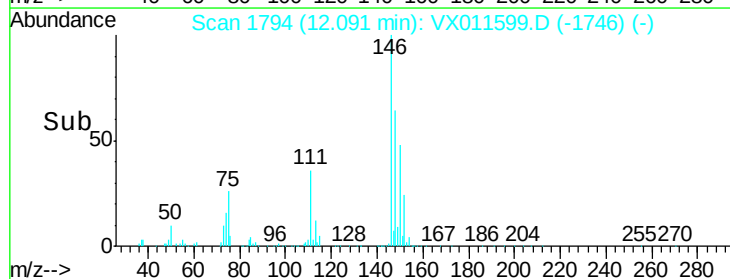
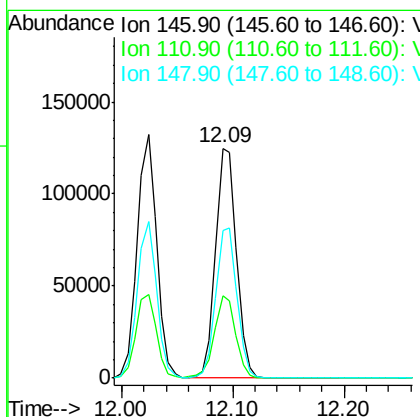
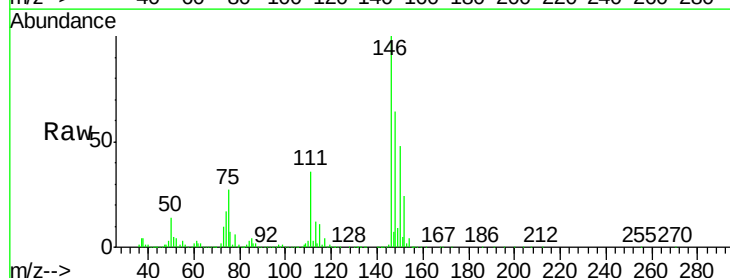
Manual Integrations
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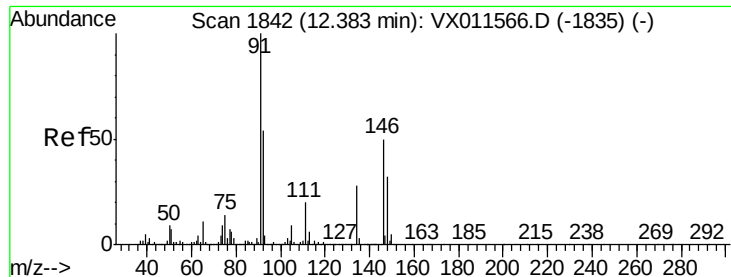
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#88
 1,4-Dichlorobenzene
 Concen: 19.486 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	162153		
111	36.6	17.9	53.7	
148	66.1	32.5	97.5	





#89

n-Butylbenzene

Concen: 19.011 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

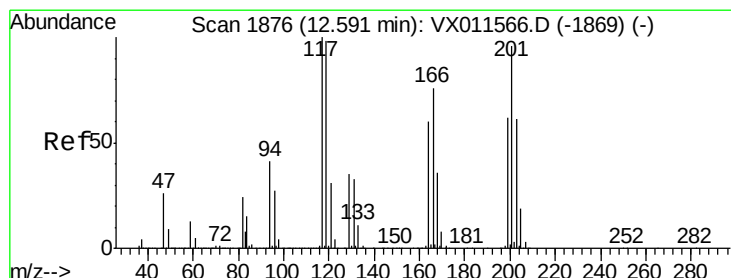
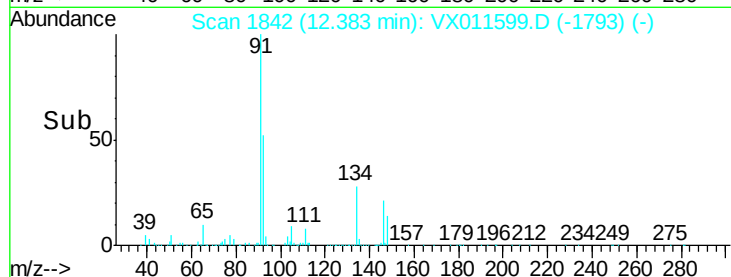
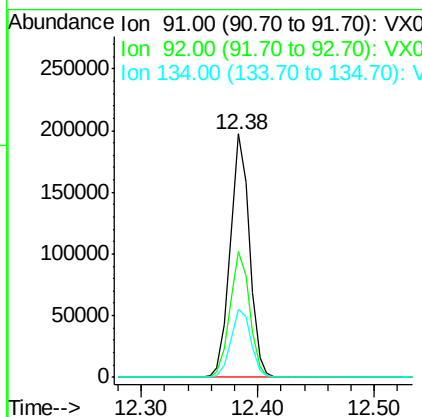
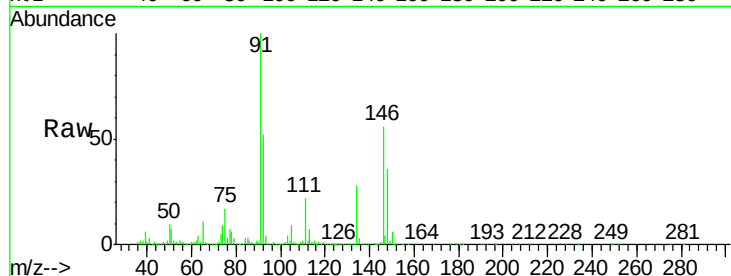
ClientSampleId :

VX0816WBSD02

Tot Ion:	91	Resp:	227868
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.3
134	29.3	14.6	44.0

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#90

Hexachloroethane

Concen: 19.470 ug/l

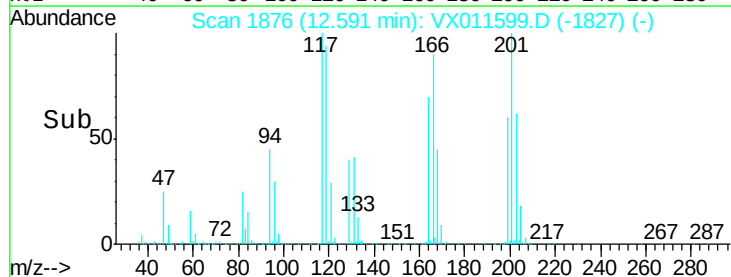
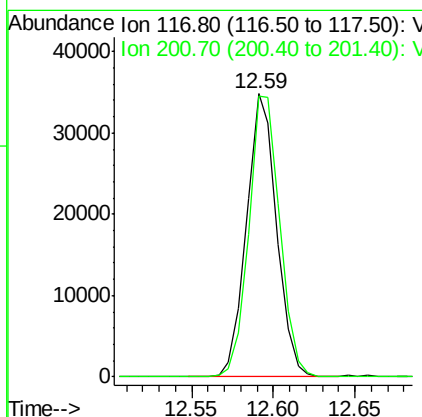
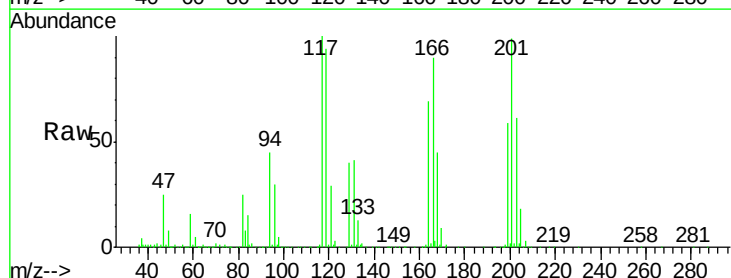
RT: 12.59 min Scan# 1876

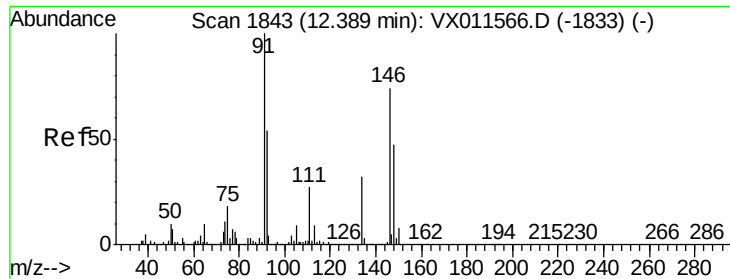
Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion:	117	Resp:	44827
Ion	Ratio	Lower	Upper
117	100		
201	102.1	51.9	155.7





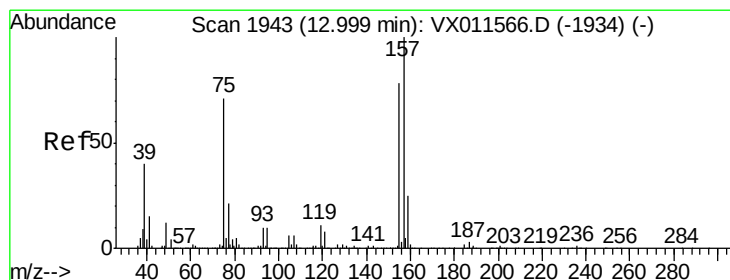
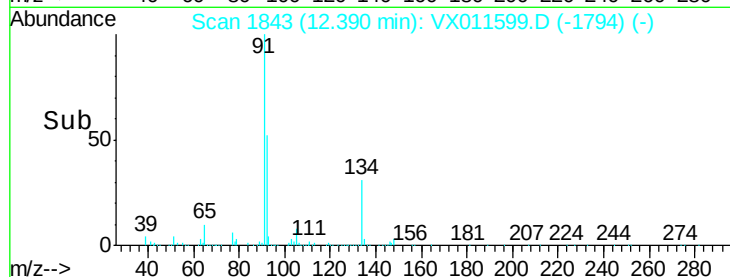
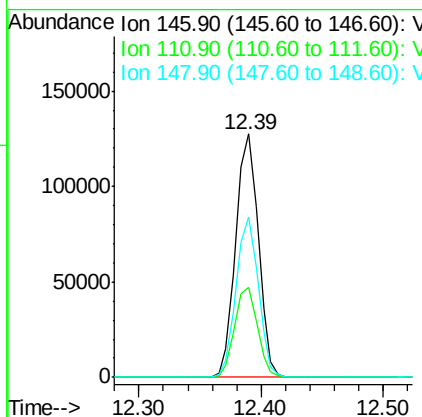
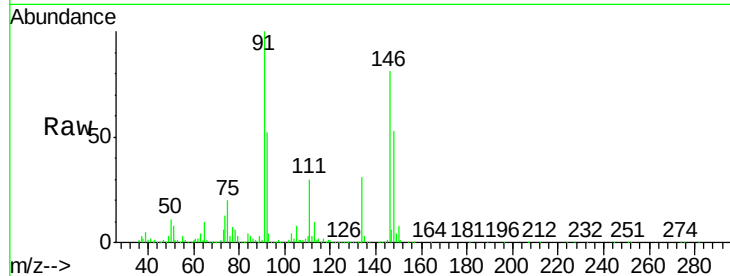
#91
 1,2-Dichlorobenzene
 Concen: 19.772 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	162958		
111	37.5	18.9	56.7	
148	64.9	31.9	95.9	

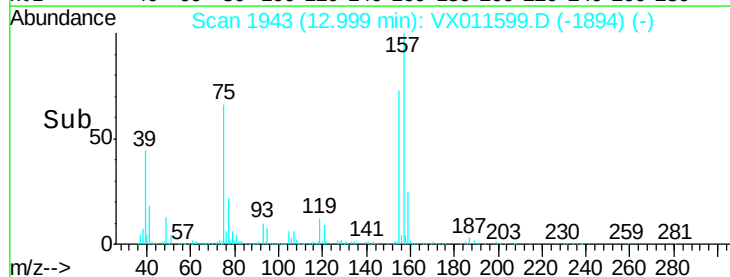
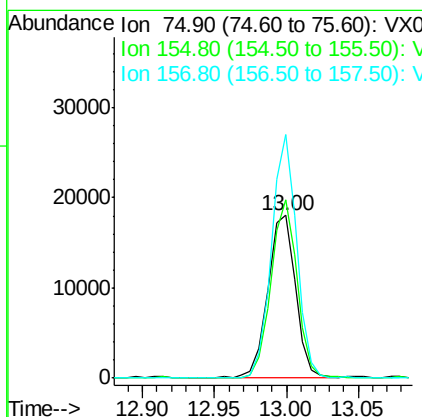
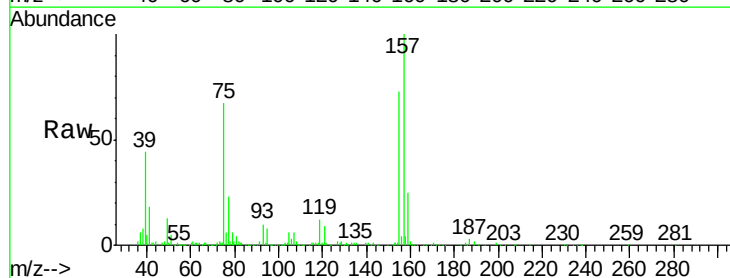
Manual Integrations
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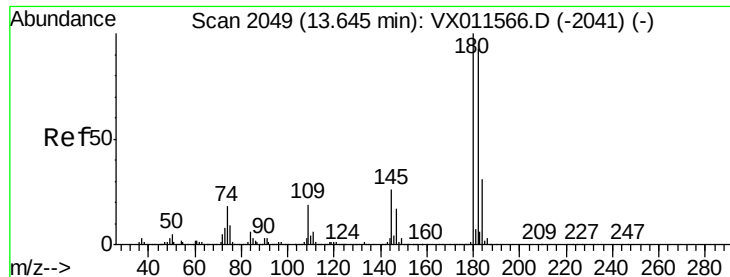
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.205 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24266		
155	102.3	53.0	159.0	
157	135.2	68.3	205.1	





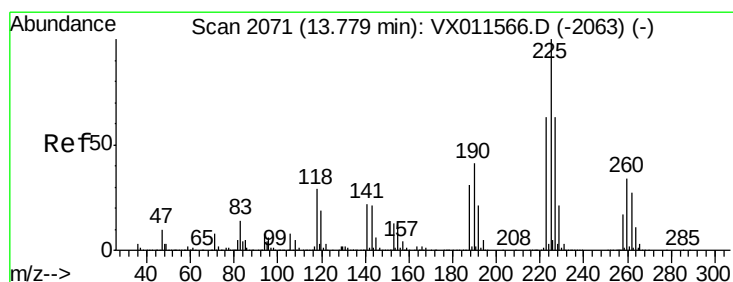
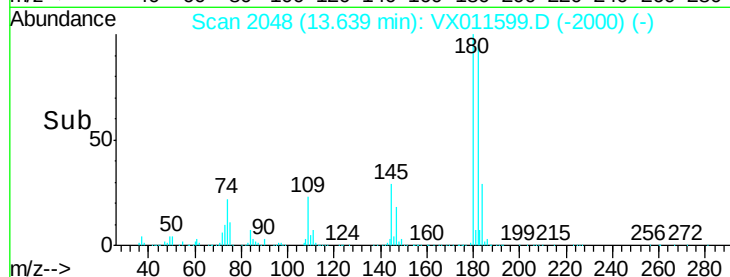
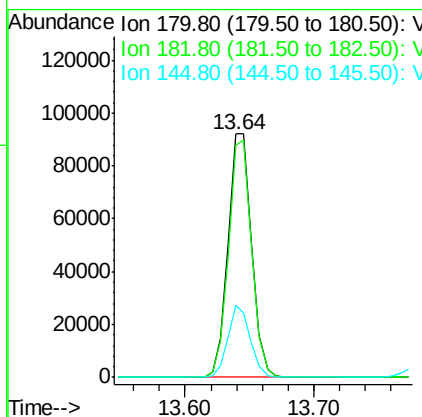
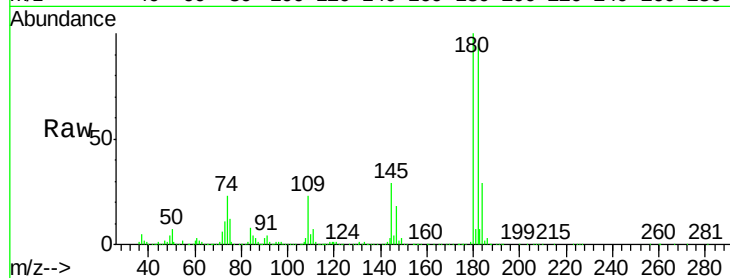
#93
 1,2,4-Trichlorobenzene
 Concen: 19.363 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118908		
182	95.5	47.3	142.0	
145	27.9	13.6	40.8	

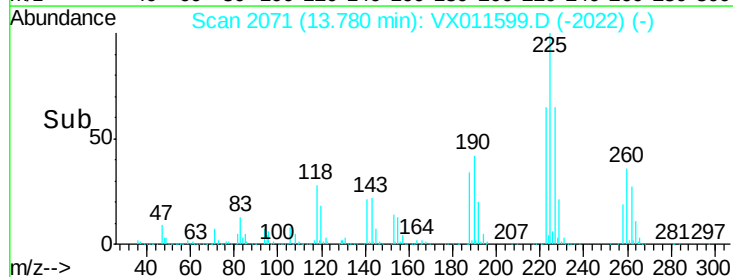
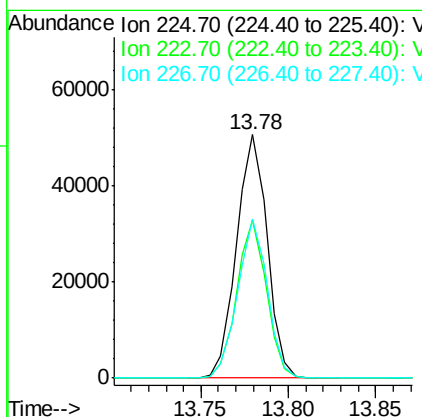
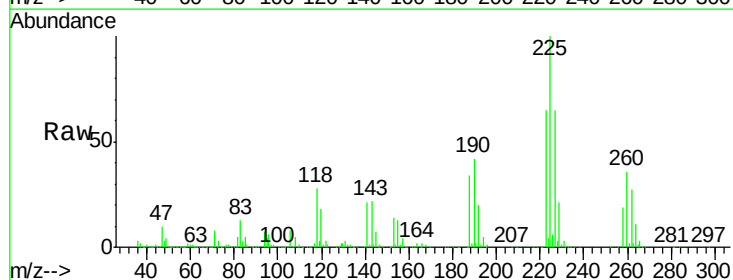
Manual Integrations
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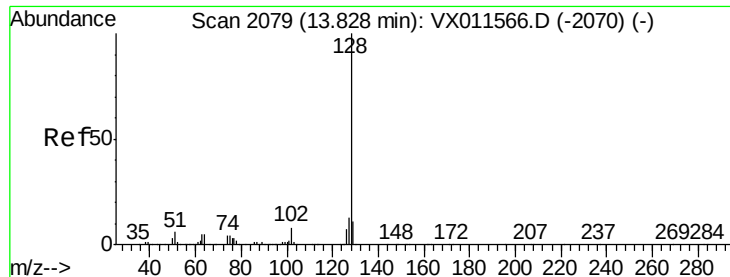
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#94
 Hexachlorobutadiene
 Concen: 18.407 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011599.D
 Acq: 16 Aug 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61550		
223	62.9	31.4	94.0	
227	63.4	31.2	93.6	





#95

Naphthalene

Concen: 20.873 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Instrument :

MSVOA_X

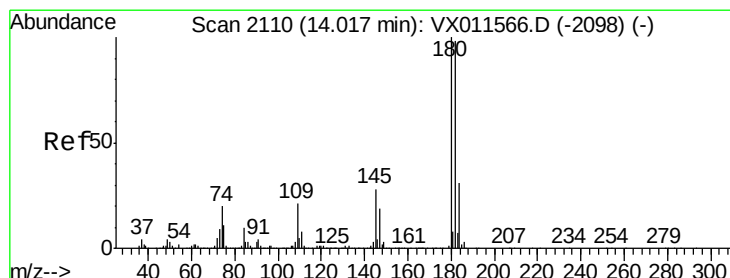
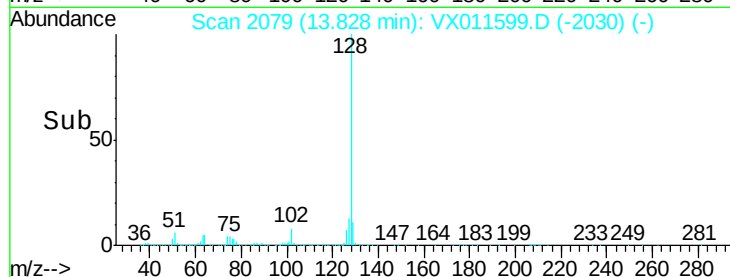
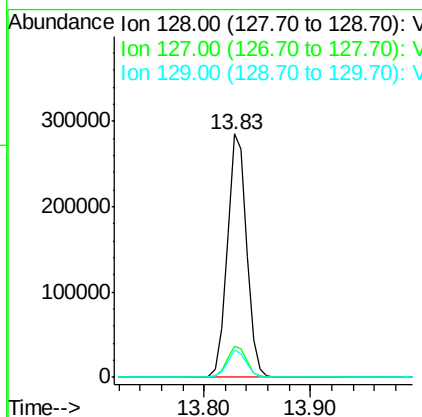
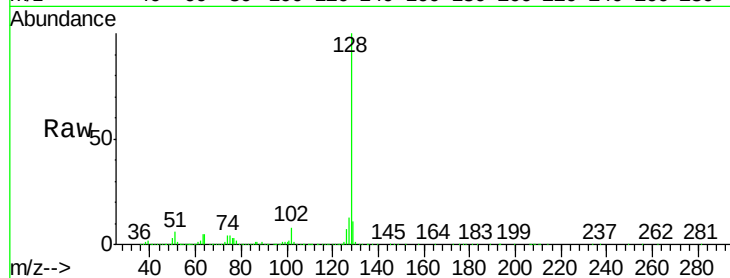
ClientSampleId :

VX0816WBSD02

Tot Ion:	128	Resp:	362373
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:29:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.062 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011599.D

Acq: 16 Aug 2019 23:27

Tgt Ion:	180	Resp:	124260
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.0
145	28.8	14.6	43.8

