

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011575.D
 Acq On : 16 Aug 2019 12:53
 Operator : JC/SP
 Sample : VX0816MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:29:56 AM

Quant Time: Aug 19 01:32:09 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	392939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	534482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	482717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	259043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	159463	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	
35) Dibromofluoromethane	5.49	113	152075	43.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.00%	
50) Toluene-d8	8.71	98	492296	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
62) 4-Bromofluorobenzene	11.13	95	201803	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	81559	21.116	ug/l	98
3) Chloromethane	1.32	50	68957	17.190	ug/l	98
4) Vinyl Chloride	1.40	62	69568	19.198	ug/l	98
5) Bromomethane	1.64	94	39425	24.280	ug/l	97
6) Chloroethane	1.72	64	33597	19.589	ug/l	98
7) Trichlorofluoromethane	1.92	101	98360	19.596	ug/l	100
8) Diethyl Ether	2.18	74	32280	18.748	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	65388	18.861	ug/l	98
10) Methyl Iodide	2.50	142	89525	18.127	ug/l	99
11) Tert butyl alcohol	3.03	59	80141	89.646	ug/l	97
12) 1,1-Dichloroethene	2.37	96	63221	18.870	ug/l	95
13) Acrolein	2.29	56	25170	99.227	ug/l	99
14) Allyl chloride	2.72	41	104856	18.814	ug/l	99
15) Acrylonitrile	3.14	53	196171	95.878	ug/l	99
16) Acetone	2.43	43	170627	93.123	ug/l	98
17) Carbon Disulfide	2.56	76	149301	18.911	ug/l	99
18) Methyl Acetate	2.76	43	107643	18.943	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	209708	19.218	ug/l	98
20) Methylene Chloride	2.85	84	70889	18.427	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	67027	18.878	ug/l	96
22) Diisopropyl ether	3.85	45	214005	19.281	ug/l	98
23) Vinyl Acetate	3.81	43	846631	96.325	ug/l	99
24) 1,1-Dichloroethane	3.69	63	118344	18.858	ug/l	99
25) 2-Butanone	4.67	43	269989	93.860	ug/l	98
26) 2,2-Dichloropropane	4.57	77	92908	19.671	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	78767	19.030	ug/l	99
28) Bromochloromethane	5.01	49	48121	17.468	ug/l	100
29) Tetrahydrofuran	5.12	42	175847	93.193	ug/l	99
30) Chloroform	5.20	83	125515	18.952	ug/l	99
31) Cyclohexane	5.57	56	105363	19.500	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	109674	19.259	ug/l	99
36) 1,1-Dichloropropene	5.79	75	88442	19.354	ug/l	99
37) Ethyl Acetate	4.82	43	101555	19.322	ug/l	98
38) Carbon Tetrachloride	5.77	117	97537	19.373	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107192	18.994	ug/l	99
40) Benzene	6.14	78	274238	19.311	ug/l	99
41) Methacrylonitrile	5.03	41	55764	19.277	ug/l	99
42) 1,2-Dichloroethane	6.18	62	97266	19.769	ug/l	100
43) Isopropyl Acetate	6.44	43	155808	18.995	ug/l	99
44) Trichloroethene	7.21	130	80086	19.011	ug/l	97
45) 1,2-Dichloropropane	7.51	63	69206	19.541	ug/l	99
46) Dibromomethane	7.66	93	49359	19.179	ug/l	96
47) Bromodichloromethane	7.89	83	88527	18.734	ug/l	99
48) Methyl methacrylate	7.77	41	79099	19.472	ug/l	99
49) 1,4-Dioxane	7.73	88	39196	362.782	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	528267	98.391	ug/l	99
52) Toluene	8.78	92	175278	19.374	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	96032	19.581	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	106423	19.829	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	73840	19.192	ug/l	99
56) Ethyl methacrylate	9.18	69	108982	19.489	ug/l	99
57) 1,3-Dichloropropane	9.37	76	118152	19.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	267318	95.943	ug/l	98
59) 2-Hexanone	9.49	43	401781	97.040	ug/l	100
60) Dibromochloromethane	9.58	129	77506	19.335	ug/l	99
61) 1,2-Dibromoethane	9.67	107	79330	19.320	ug/l	100
64) Tetrachloroethene	9.34	164	78354	19.783	ug/l	98
65) Chlorobenzene	10.13	112	200256	19.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	74438	19.343	ug/l	100
67) Ethyl Benzene	10.25	91	332277	19.338	ug/l	98
68) m/p-Xylenes	10.35	106	260720	39.529	ug/l	98
69) o-Xylene	10.69	106	125799	19.471	ug/l	99
70) Styrene	10.71	104	215564	19.820	ug/l	99
71) Bromoform	10.85	173	61034	18.538	ug/l #	98
73) Isopropylbenzene	11.02	105	337987	20.108	ug/l	99
74) N-amyl acetate	10.90	43	132452	18.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	111258	19.241	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	96640m	19.674	ug/l	
77) Bromobenzene	11.26	156	96751	19.347	ug/l	98
78) n-propylbenzene	11.36	91	365028	20.139	ug/l	99
79) 2-Chlorotoluene	11.42	91	222416	19.984	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	286736	20.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	29073	19.081	ug/l	92
82) 4-Chlorotoluene	11.51	91	259264	20.079	ug/l	100
83) tert-Butylbenzene	11.77	119	287768	20.010	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	288106	20.324	ug/l	100
85) sec-Butylbenzene	11.94	105	324576	20.004	ug/l	100
86) p-Isopropyltoluene	12.06	119	309332	20.265	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	168700	19.626	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	166507	19.112	ug/l	99
89) n-Butylbenzene	12.38	91	247822	19.748	ug/l	100
90) Hexachloroethane	12.59	117	46644	19.351	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	167175	19.374	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23574	17.820	ug/l	99

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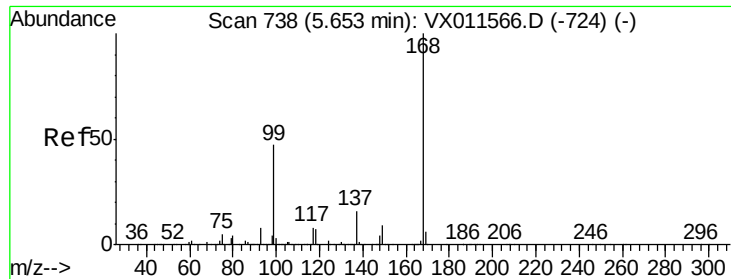
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124347	19.341	ug/l	100
94) Hexachlorobutadiene	13.78	225	69632	19.890	ug/l	98
95) Naphthalene	13.83	128	354677	19.514	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129776	20.012	ug/l	98

(#) = 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: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion:168 Resp: 392939

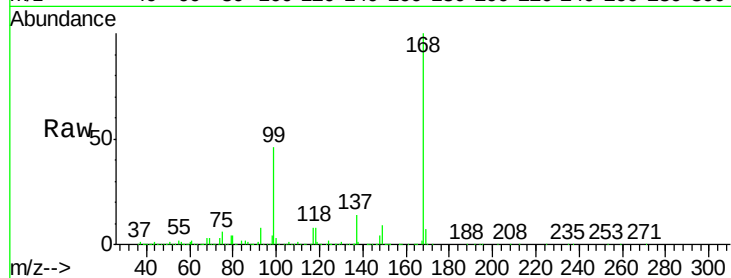
Ion Ratio Lower Upper

168 100

99 45.8 37.3 55.9

Manual Integrations
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8/19/2019 10:29:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

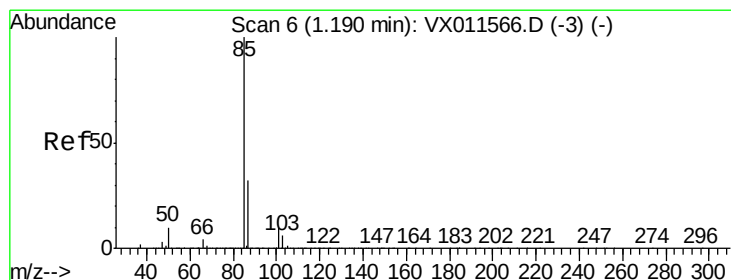
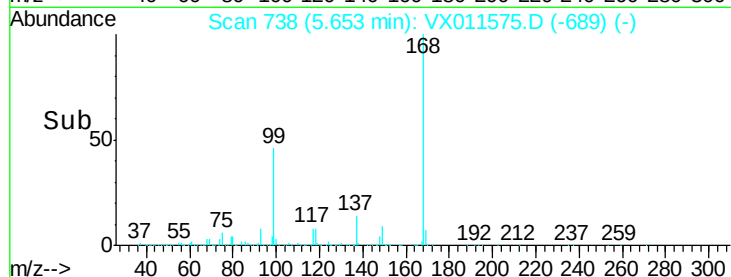
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.116 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011575.D

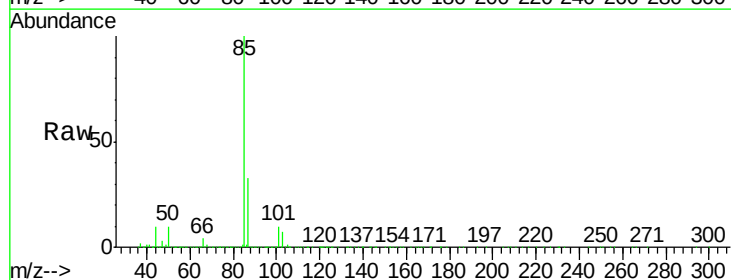
Acq: 16 Aug 2019 12:53

Tgt Ion: 85 Resp: 81559

Ion Ratio Lower Upper

85 100

87 33.2 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

100000

80000

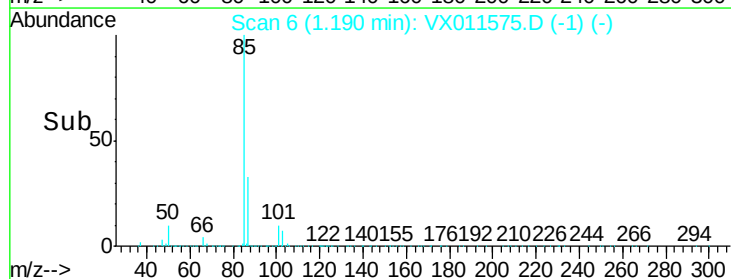
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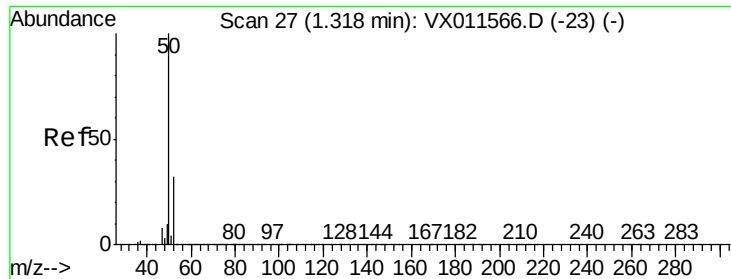
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20000

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Time-->





#3

Chloromethane

Concen: 17.190 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion: 50 Resp: 68957

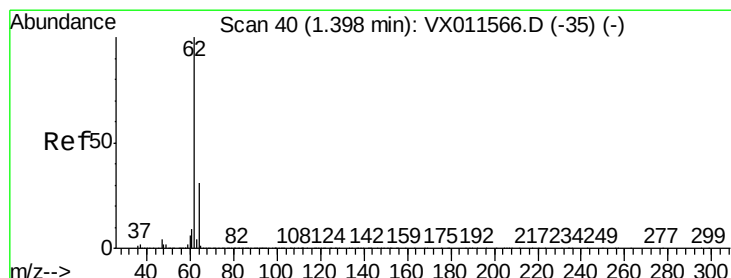
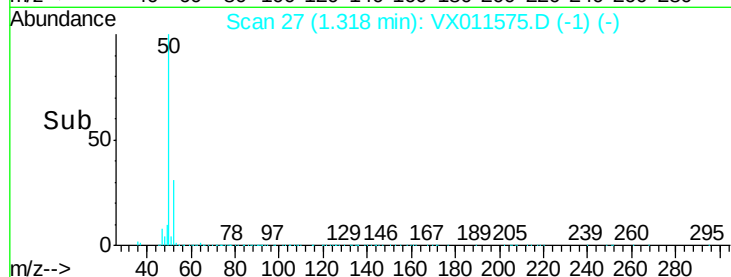
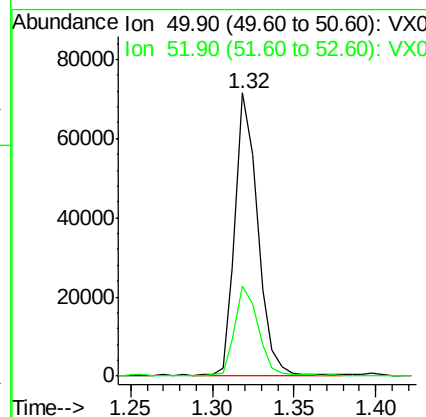
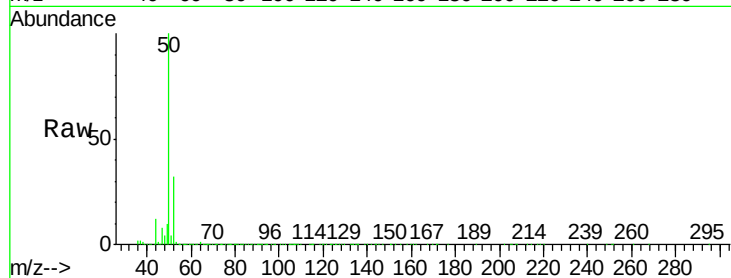
Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.198 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011575.D

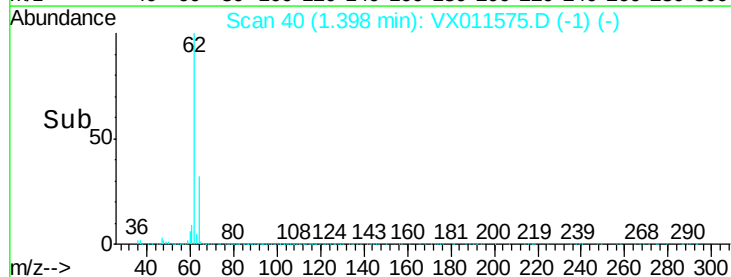
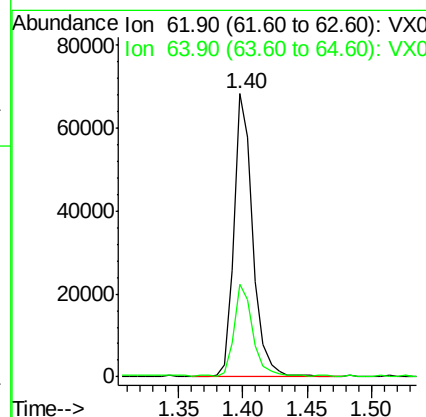
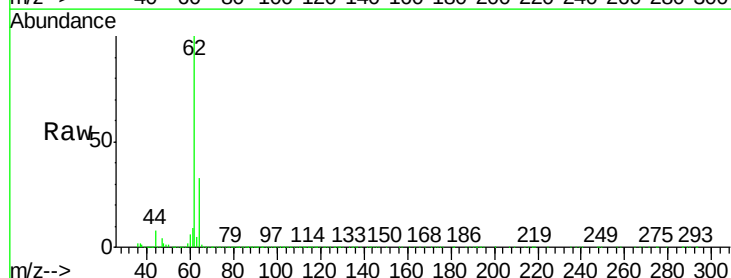
Acq: 16 Aug 2019 12:53

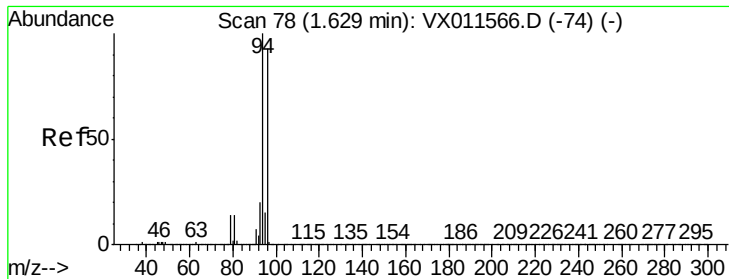
Tgt Ion: 62 Resp: 69568

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.4





#5

Bromomethane

Concen: 24.280 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion: 94 Resp: 39425

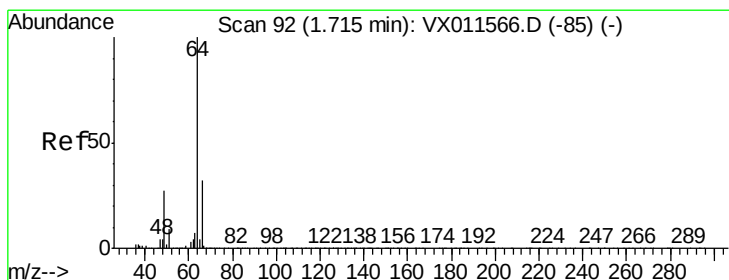
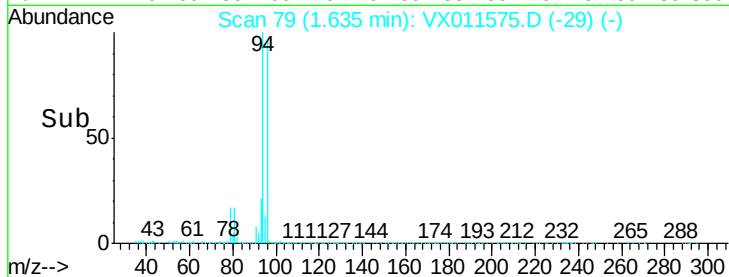
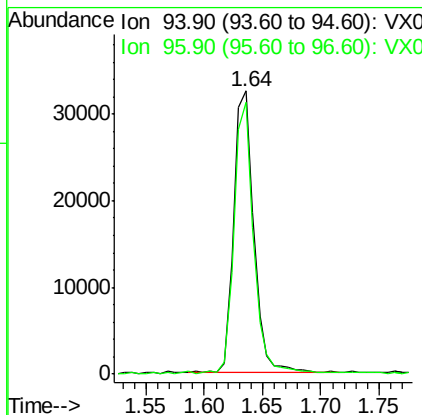
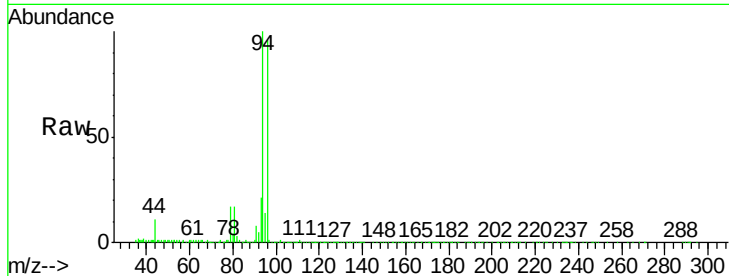
Ion Ratio Lower Upper

94 100

96 96.1 74.8 112.2

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#6

Chloroethane

Concen: 19.589 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011575.D

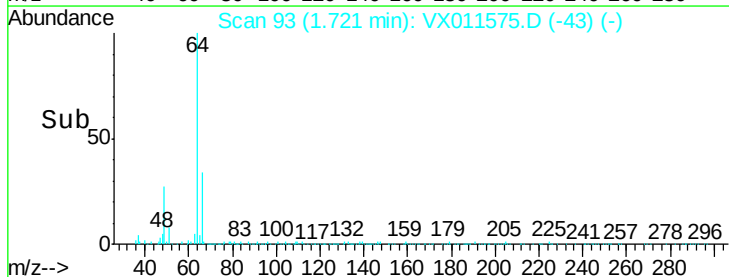
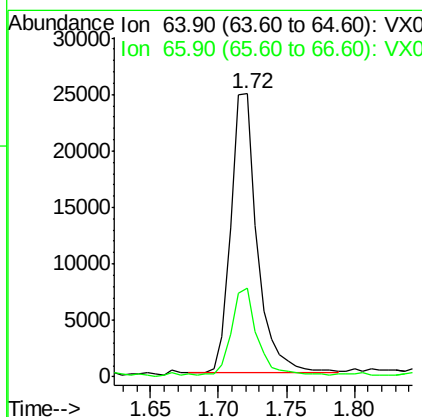
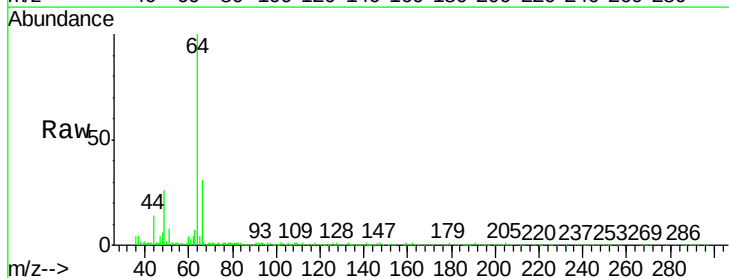
Acq: 16 Aug 2019 12:53

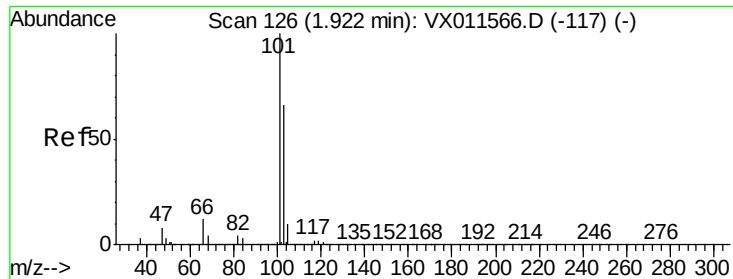
Tgt Ion: 64 Resp: 33597

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9





#7

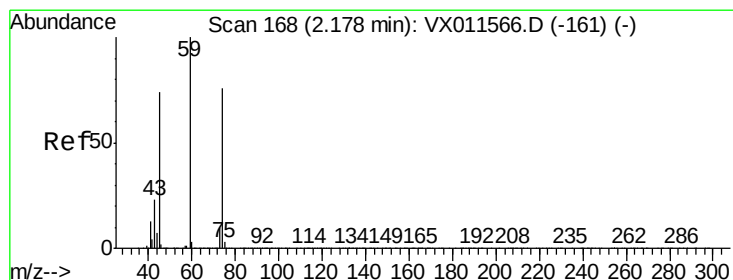
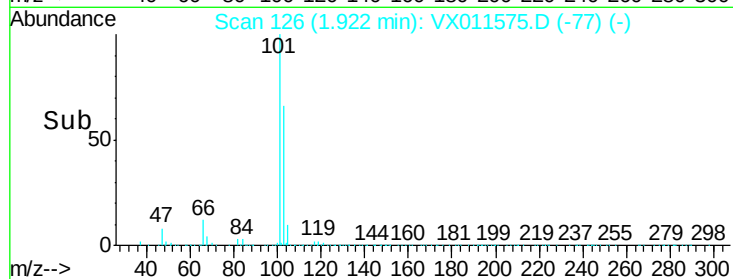
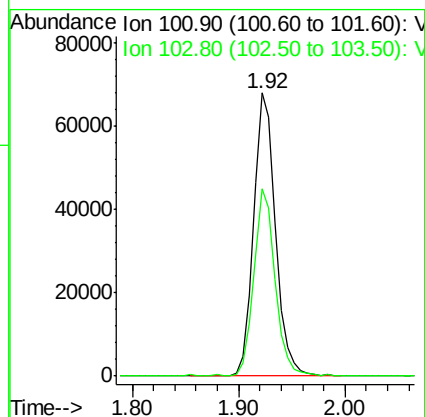
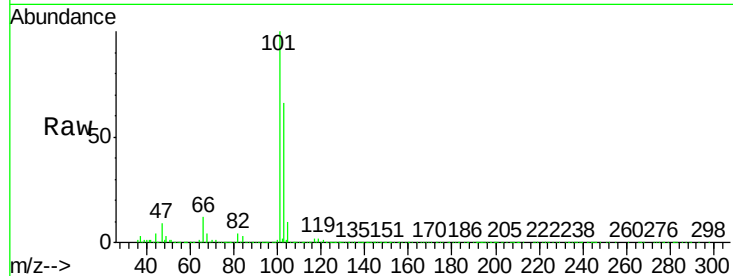
Trichlorofluoromethane
Concen: 19.596 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
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ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.9	79.3

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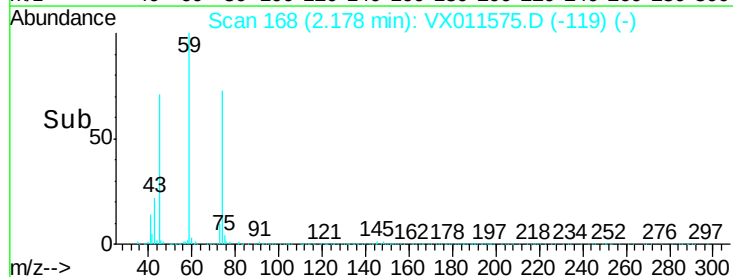
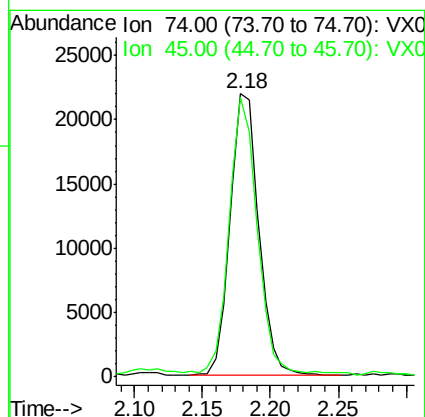
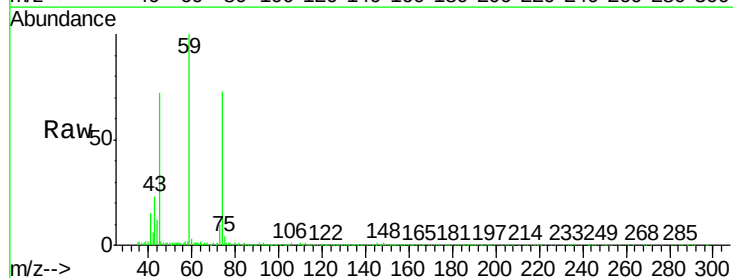
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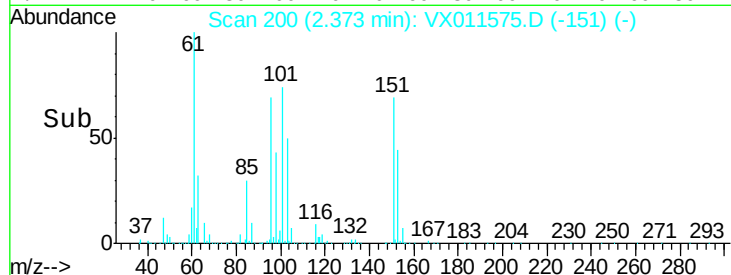
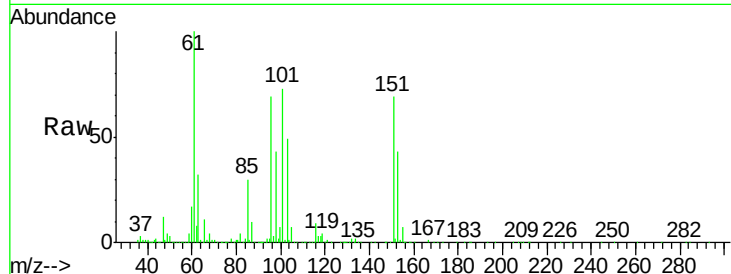
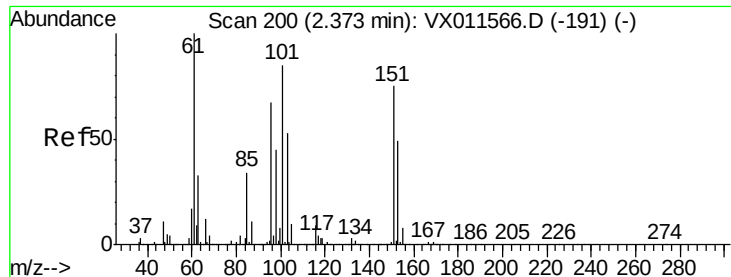


#8

Diethyl Ether
Concen: 18.748 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.2	144.6





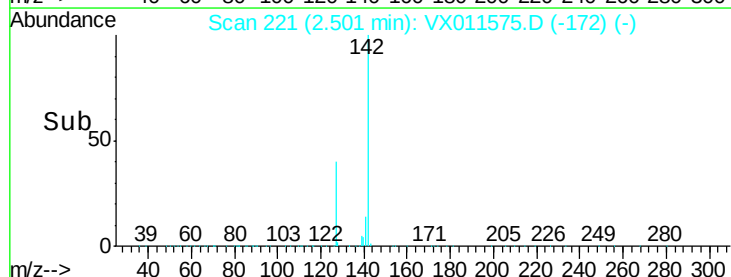
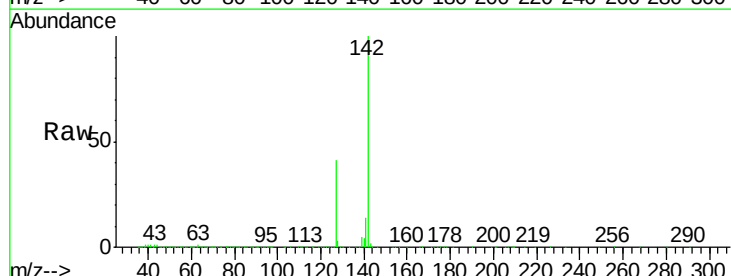
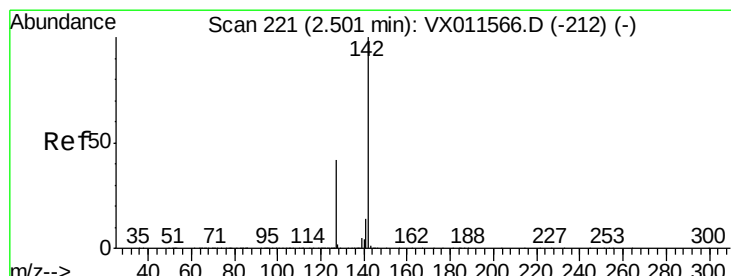
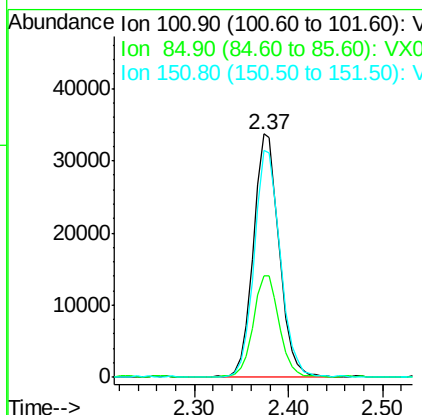
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.861 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	33.0	49.4
151	93.9	73.3	109.9

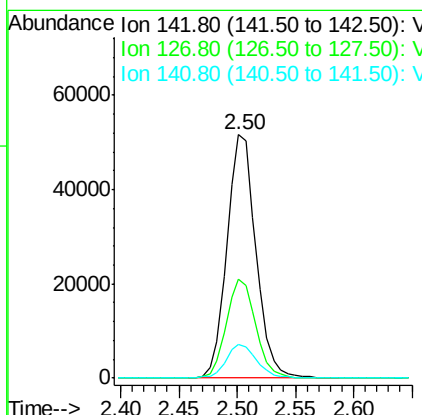
Manual Integrations
APPROVED

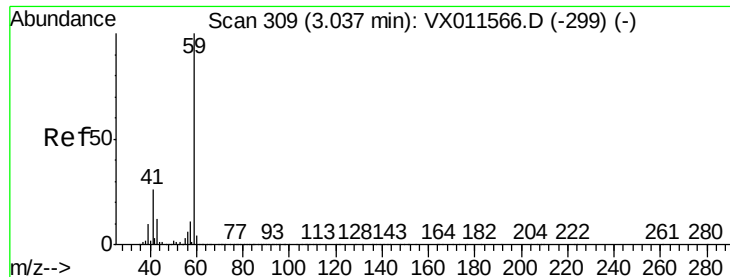
MMDadoda
8/19/2019 10:29:56 AM



#10
Methyl Iodide
Concen: 18.127 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.7	32.8	49.2
141	14.6	11.4	17.2





#11

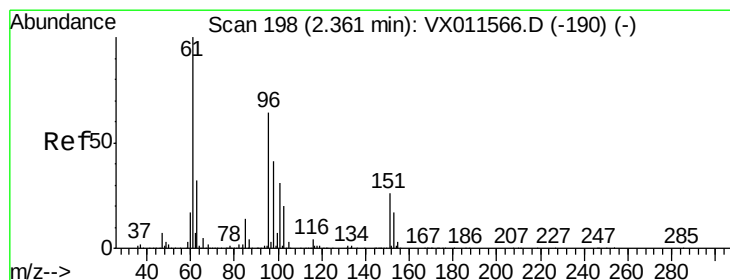
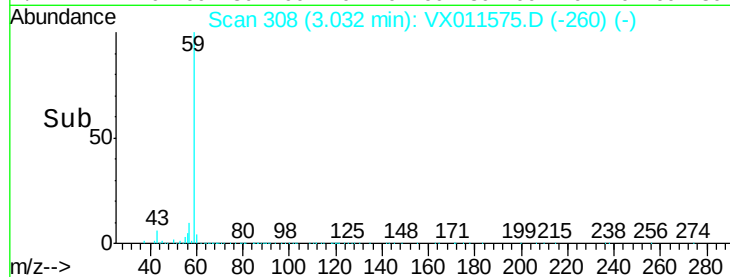
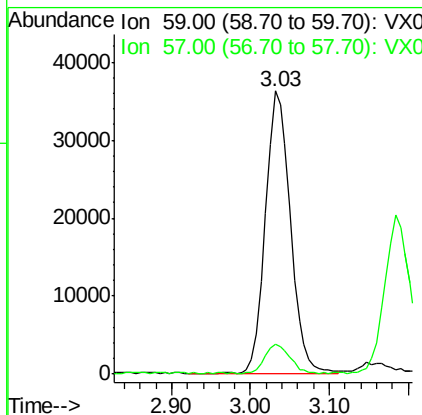
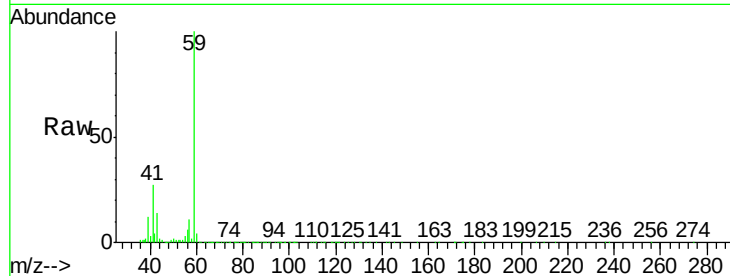
Tert butyl alcohol
Concen: 89.646 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	80141		
57	57	9.8		8.7	13.1

Manual Integrations
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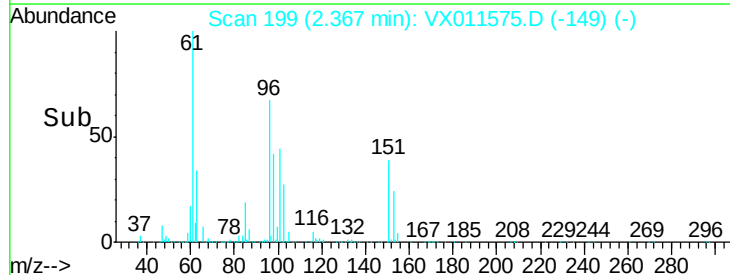
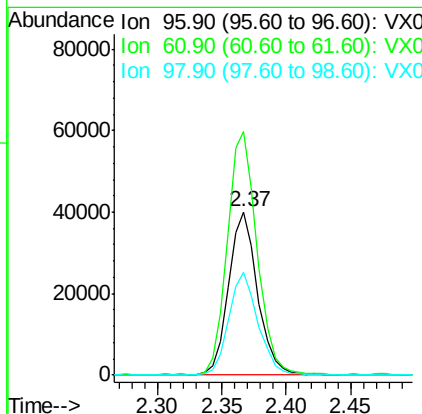
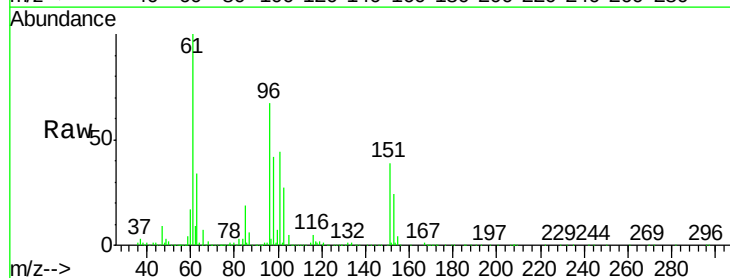
MMDadoda
8/19/2019 10:29:56 AM

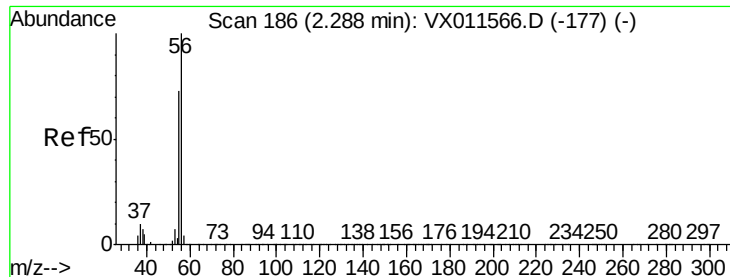


#12

1,1-Dichloroethene
Concen: 18.870 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	63221		
61	61	148.6		125.0	187.4
98	98	62.5		51.5	77.3





#13

Acrolein

Concen: 99.227 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion: 56 Resp: 25170

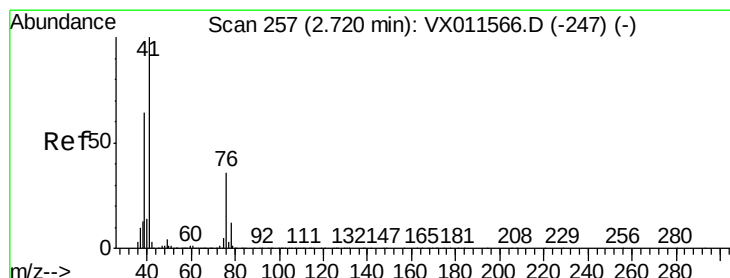
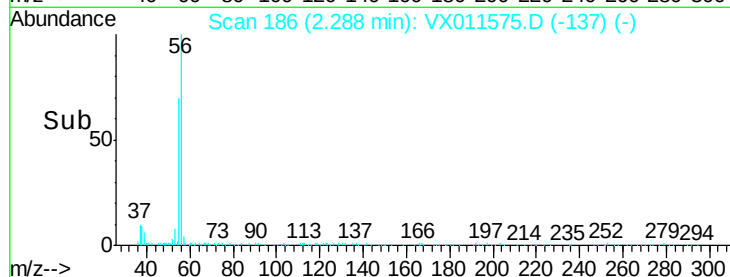
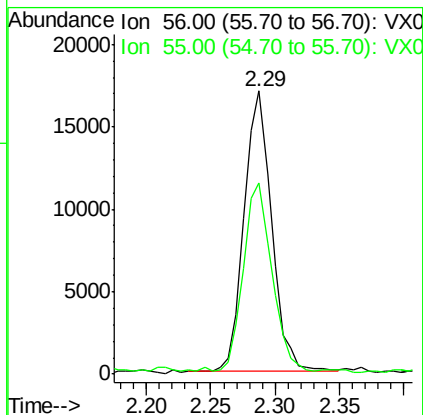
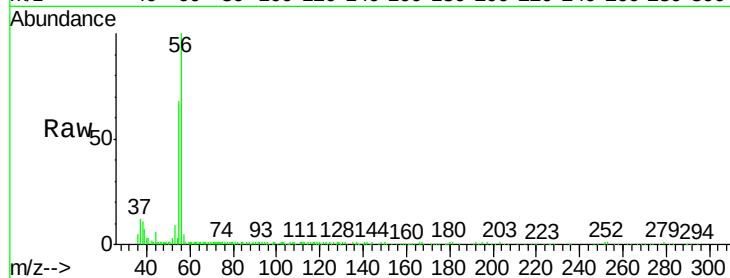
Ion Ratio Lower Upper

56 100

55 70.2 55.5 83.3

Manual Integrations
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8/19/2019 10:29:56 AM



#14

Allyl chloride

Concen: 18.814 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

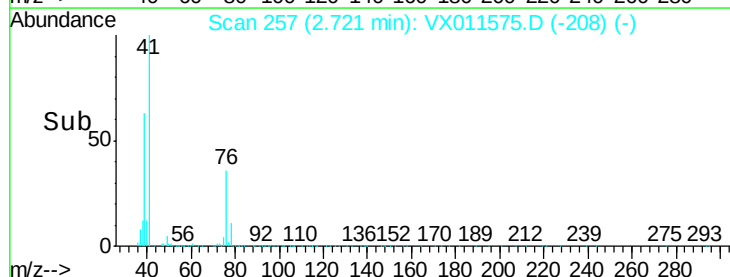
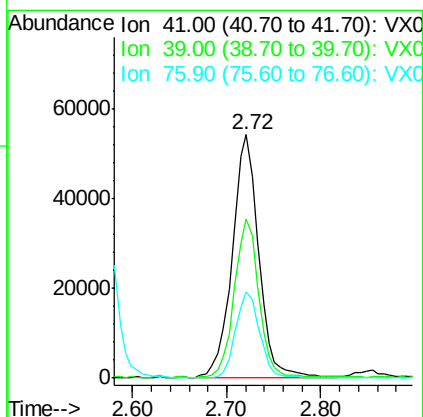
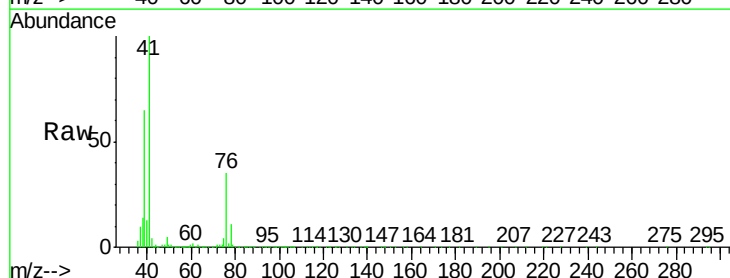
Tgt Ion: 41 Resp: 104856

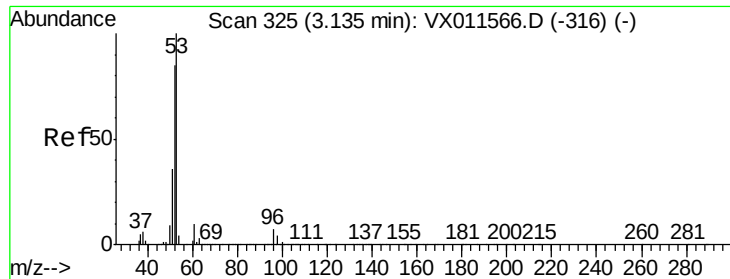
Ion Ratio Lower Upper

41 100

39 60.5 47.5 71.3

76 32.5 26.3 39.5





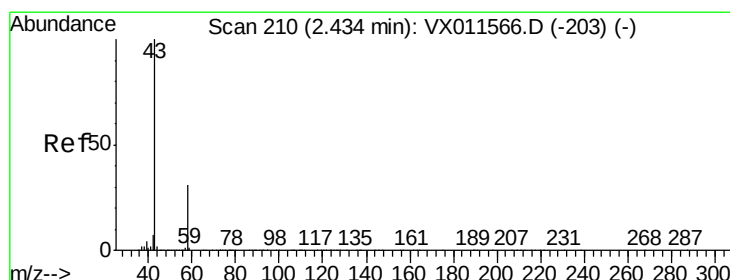
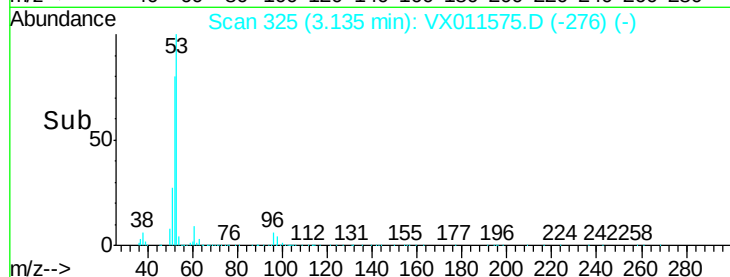
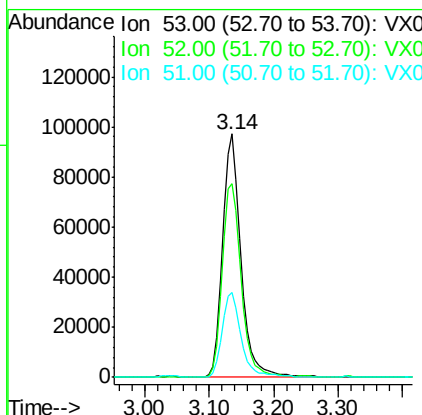
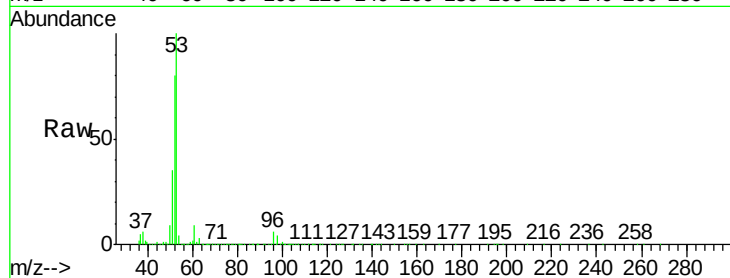
#15
 Acrylonitrile
 Concen: 95.878 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

Tot Ion	53	Resp	196171
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.7	100.1
51	35.6	28.7	43.1

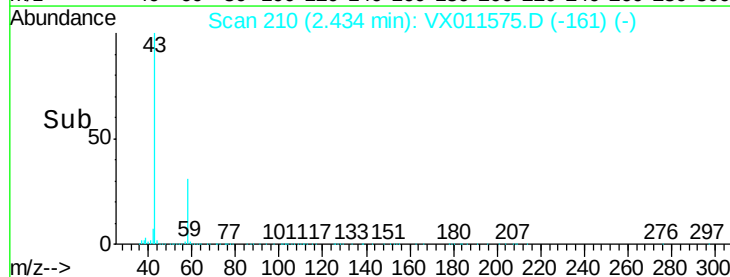
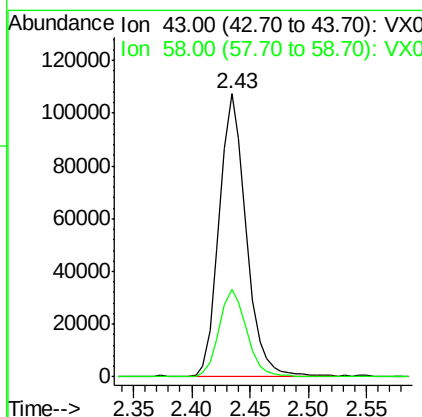
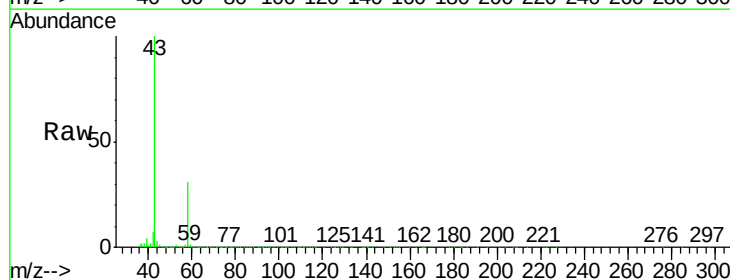
Manual Integrations
 APPROVED

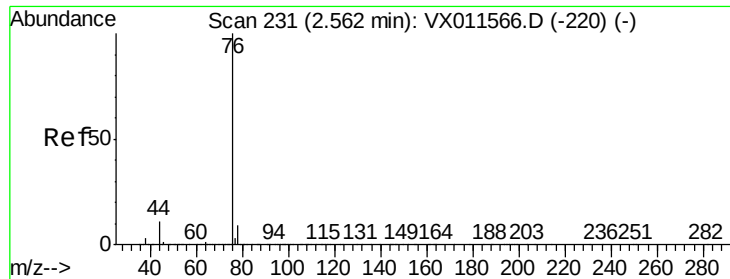
MMDadoda
 8/19/2019 10:29:56 AM



#16
 Acetone
 Concen: 93.123 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Tgt Ion	43	Resp	170627
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.2	37.8





#17

Carbon Disulfide

Concen: 18.911 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tot Ion: 76 Resp: 149301

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

Instrument :

MSVOA_X

ClientSampleId :

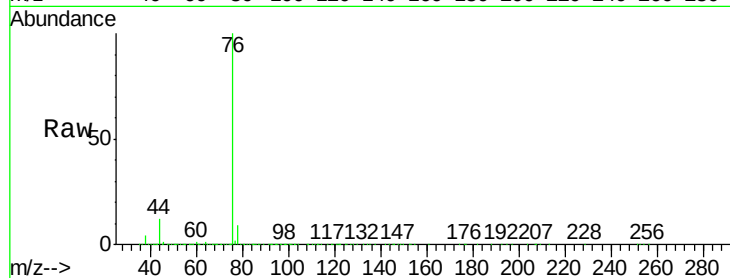
VX0816MBS01

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

100000

80000

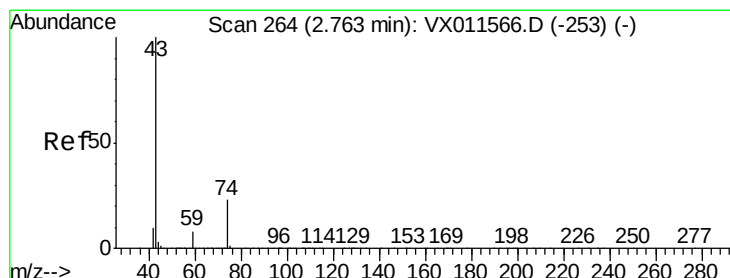
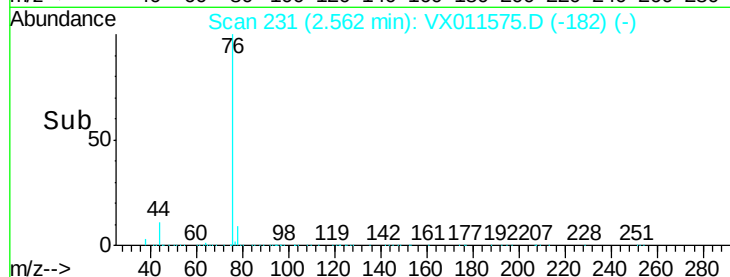
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.943 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011575.D

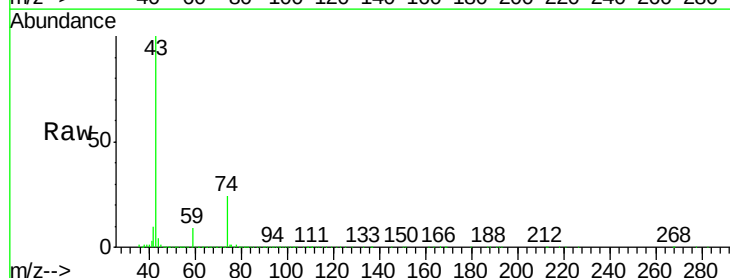
Acq: 16 Aug 2019 12:53

Tgt Ion: 43 Resp: 107643

Ion Ratio Lower Upper

43 100

74 24.4 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

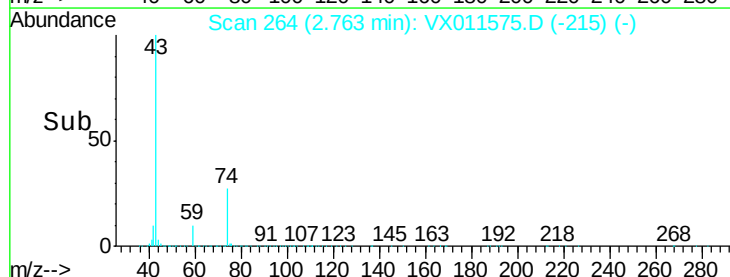
60000

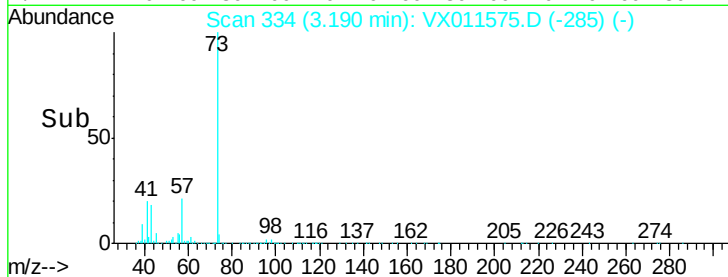
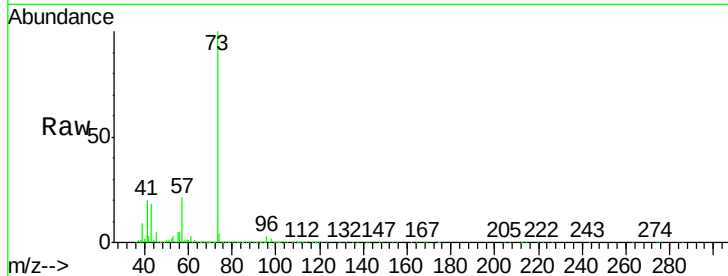
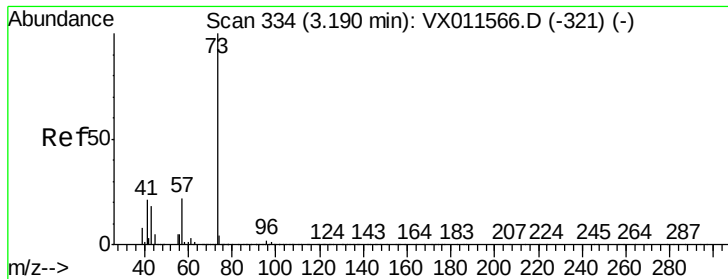
40000

20000

0

Time-->





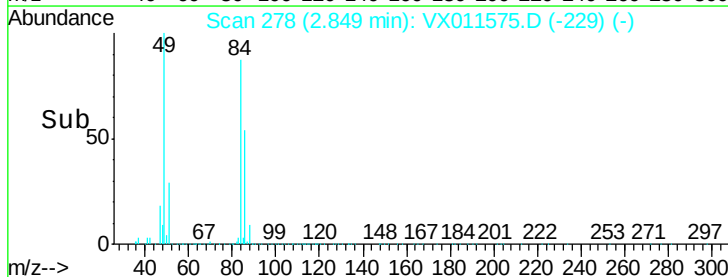
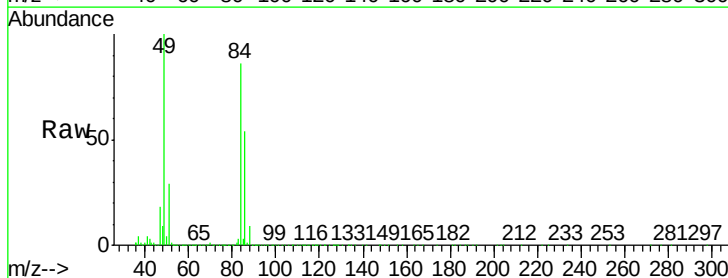
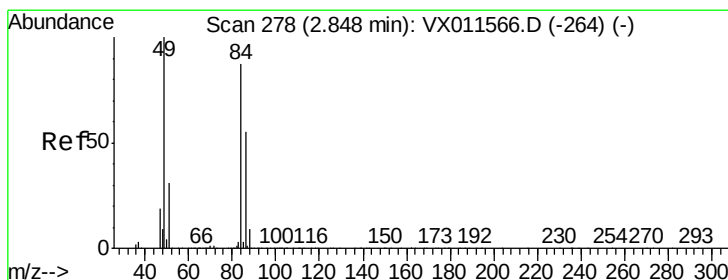
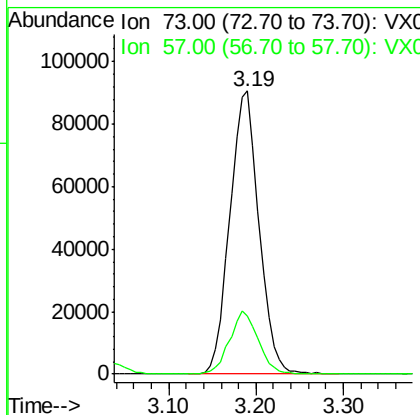
#19
Methyl tert-butyl Ether
Concen: 19.218 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tot Ion	73	57	Ratio	Lower	Upper
73	100				
57	20.7			17.2	25.8

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

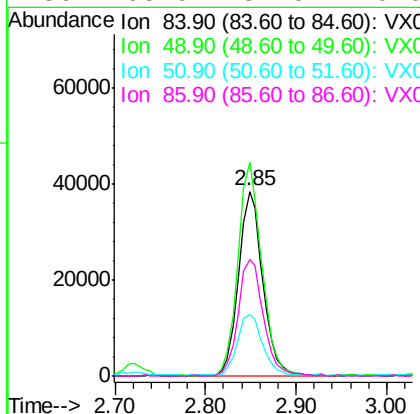
Manual Integrations
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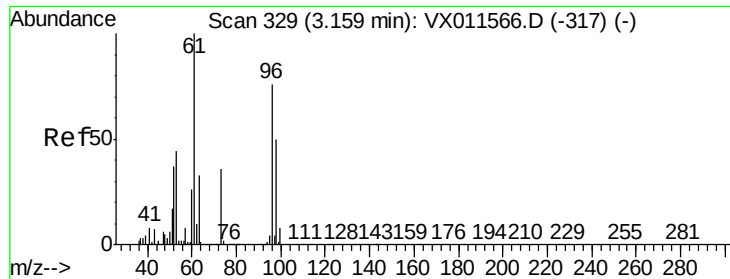
MMDadoda
8/19/2019 10:29:56 AM



#20
Methylene Chloride
Concen: 18.427 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	84	49	51	86	Ratio	Lower	Upper
84	100						
49	115.6					92.4	138.6
51	33.1					28.5	42.7
86	63.0					51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.878 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion: 96 Resp: 67027

Ion Ratio Lower Upper

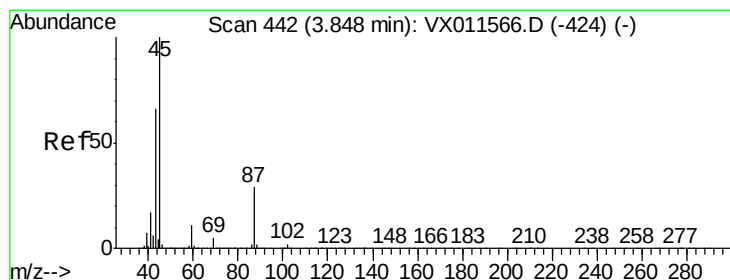
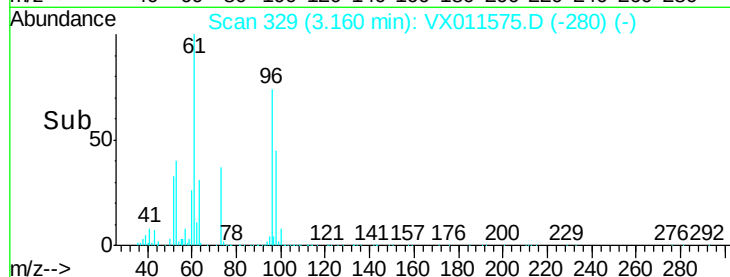
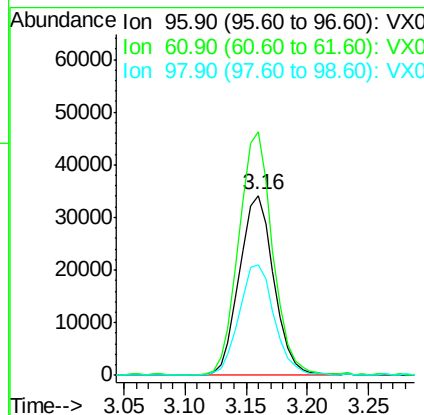
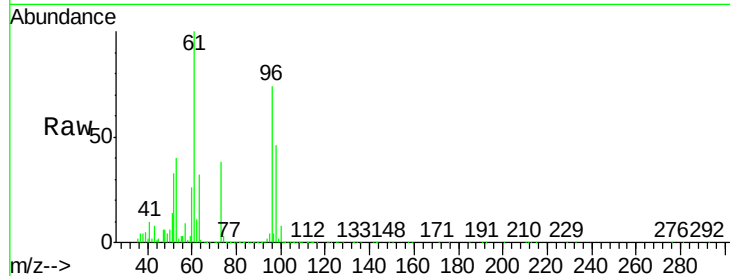
96 100

61 134.9 105.5 158.3

98 61.5 52.6 78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.281 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tgt Ion: 45 Resp: 214005

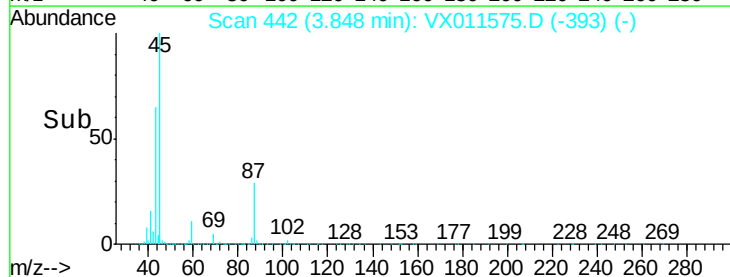
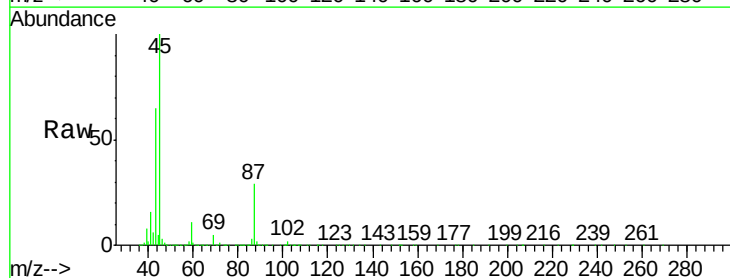
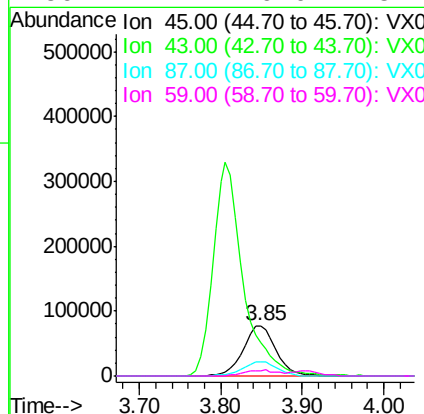
Ion Ratio Lower Upper

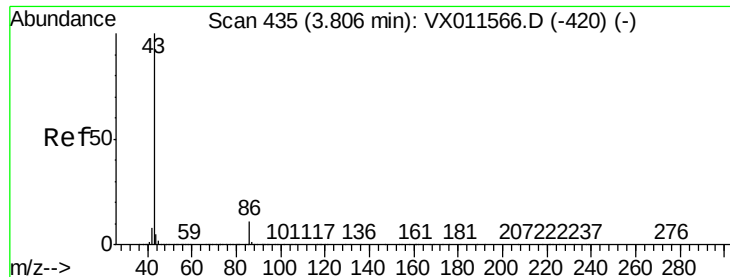
45 100

43 63.7 52.7 79.1

87 28.6 23.5 35.3

59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 96.325 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tot Ion: 43 Resp: 846631

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

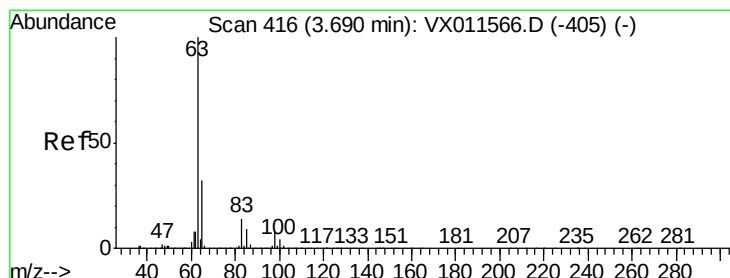
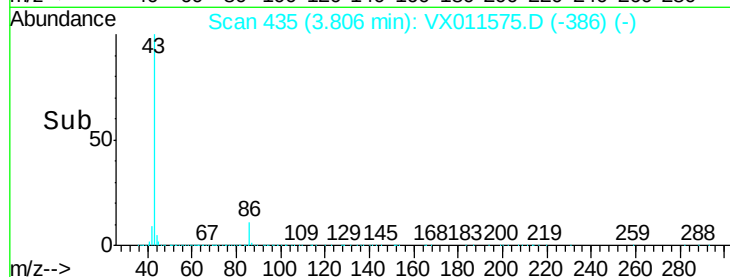
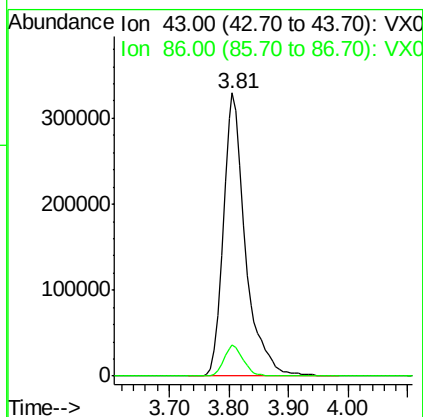
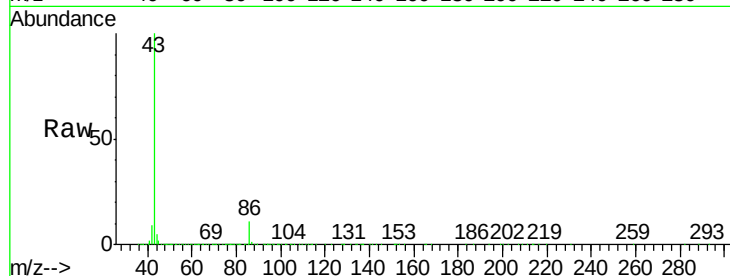
VX0816MBS01

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.858 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

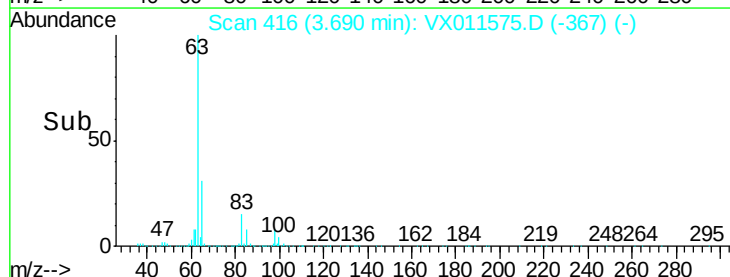
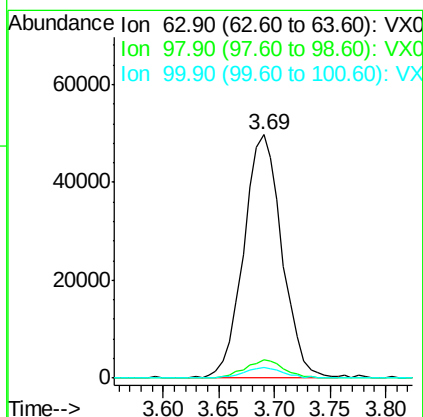
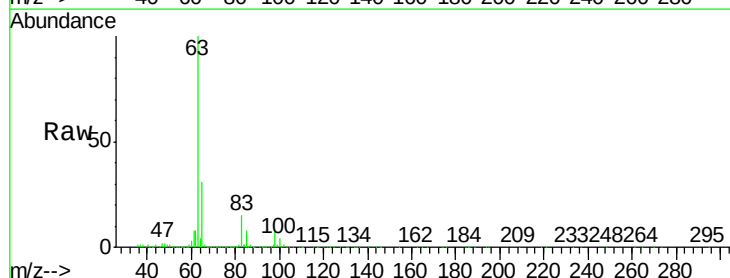
Tgt Ion: 63 Resp: 118344

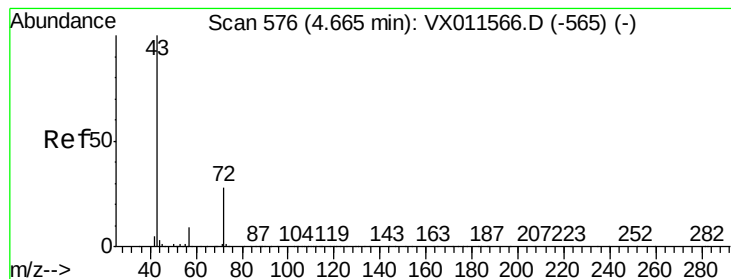
Ion Ratio Lower Upper

63 100

98 7.7 3.7 11.1

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 93.860 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tot Ion: 43 Resp: 269989

Ion Ratio Lower Upper

43 100

72 26.7 22.2 33.4

Instrument :

MSVOA_X

ClientSampleId :

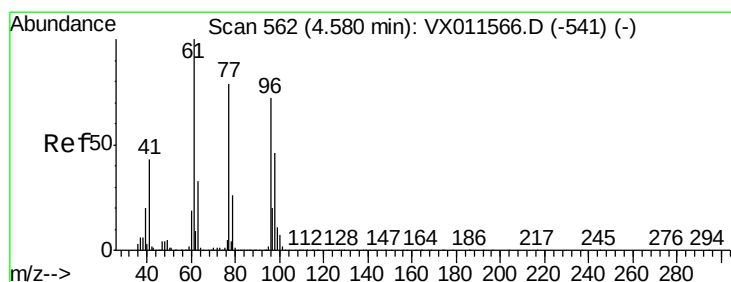
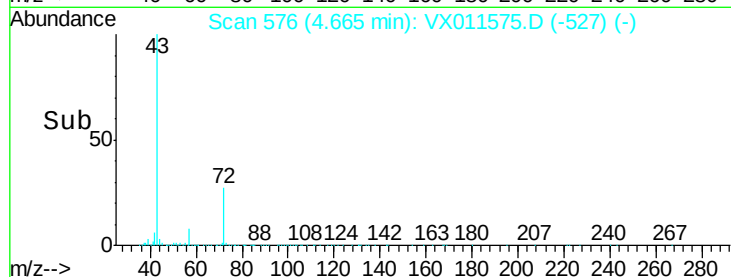
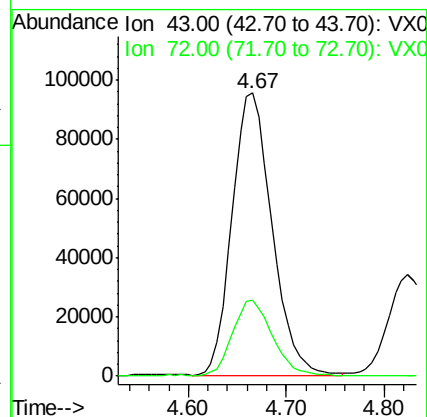
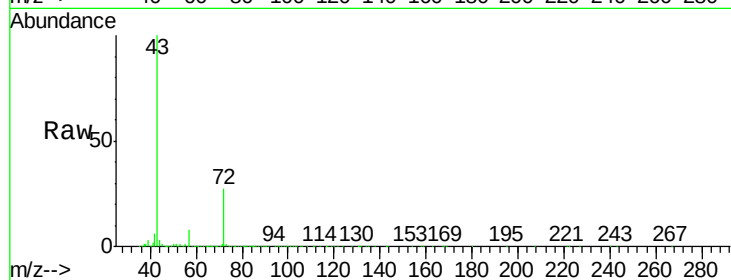
VX0816MBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.671 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011575.D

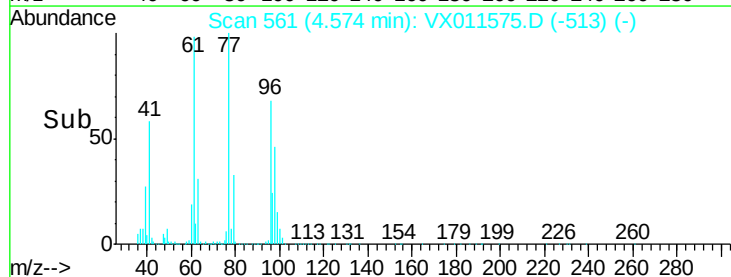
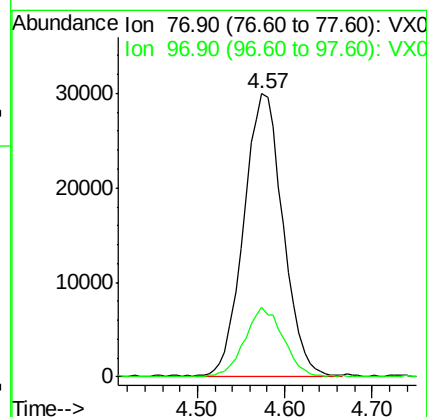
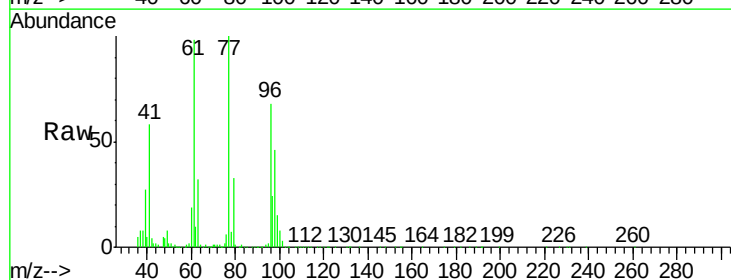
Acq: 16 Aug 2019 12:53

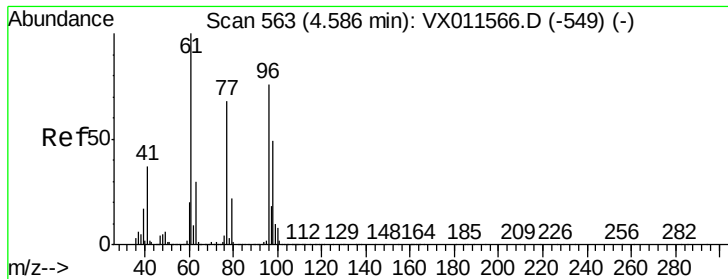
Tgt Ion: 77 Resp: 92908

Ion Ratio Lower Upper

77 100

97 24.3 12.4 37.2





#27

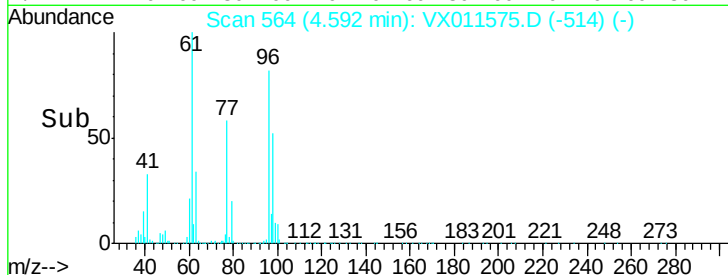
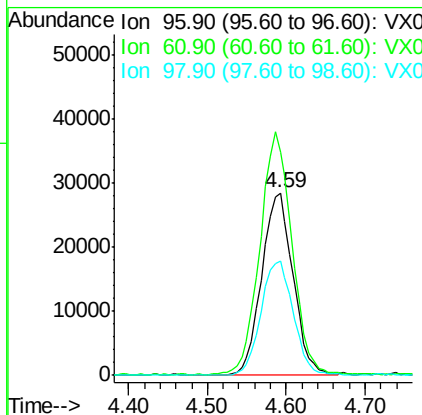
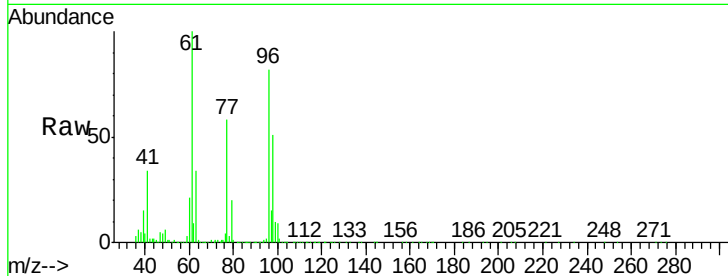
cis-1,2-Dichloroethene
Concen: 19.030 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.6	0.0	272.6	
98	64.5	0.0	129.4	

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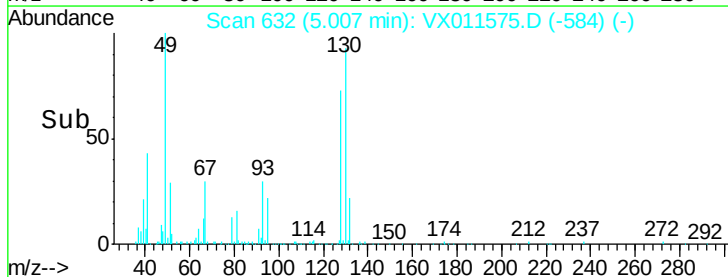
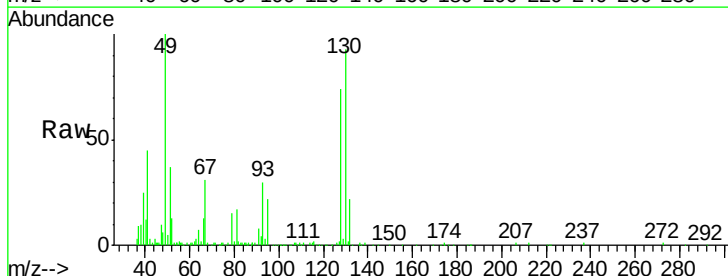
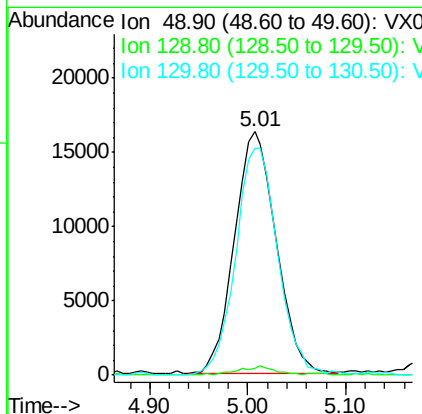
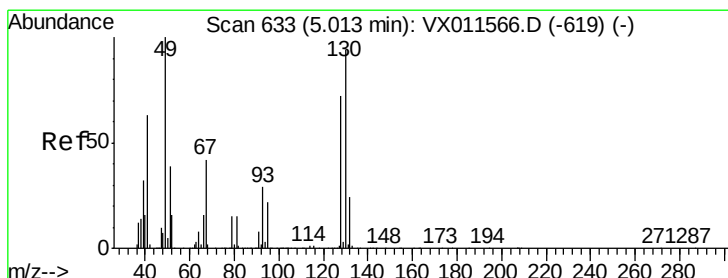
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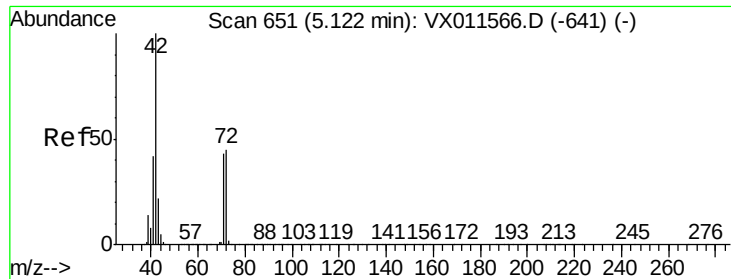


#28

Bromochloromethane
Concen: 17.468 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.2	0.0	5.0	
130	95.6	76.6	115.0	





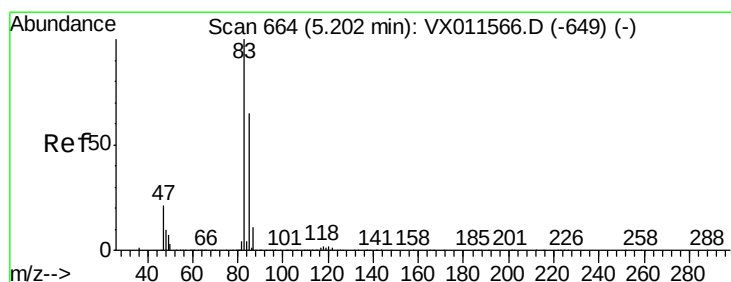
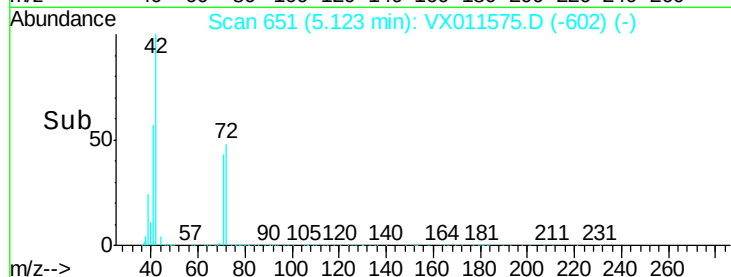
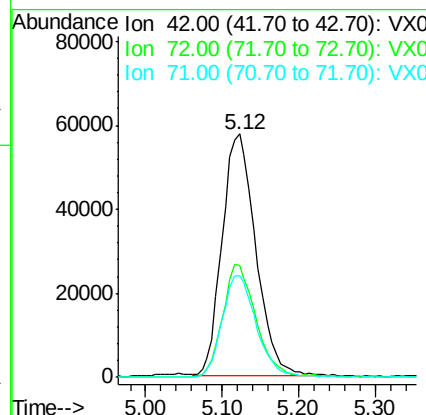
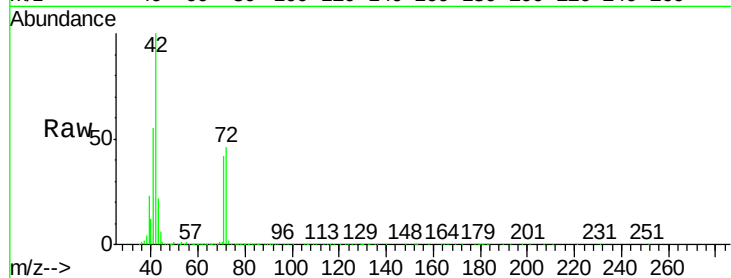
#29
Tetrahydrofuran
Concen: 93.193 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.1	54.1
71	42.4	33.8	50.8

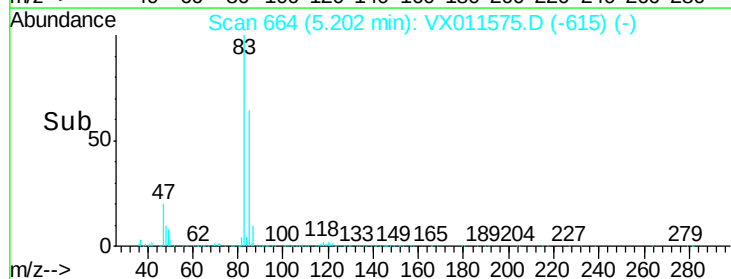
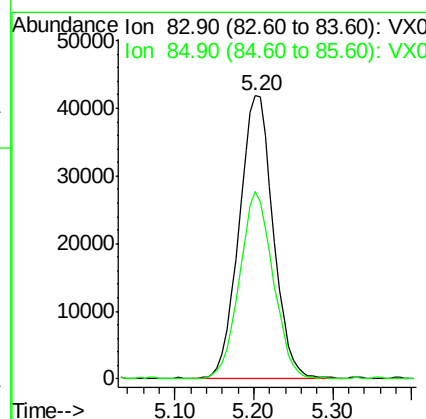
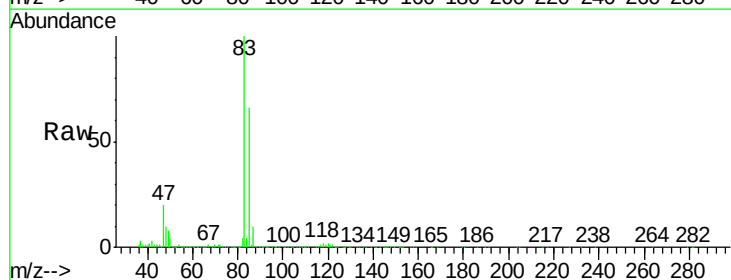
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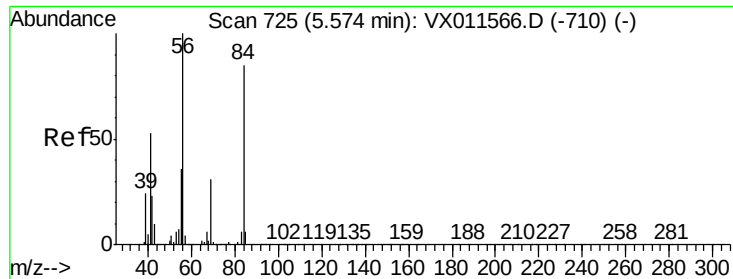
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#30
Chloroform
Concen: 18.952 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.9	77.9





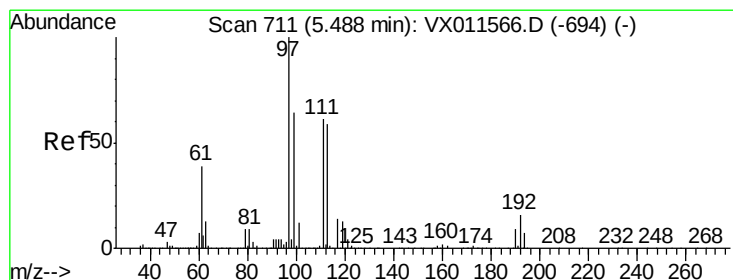
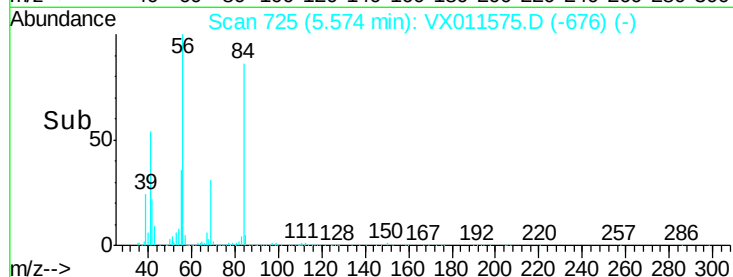
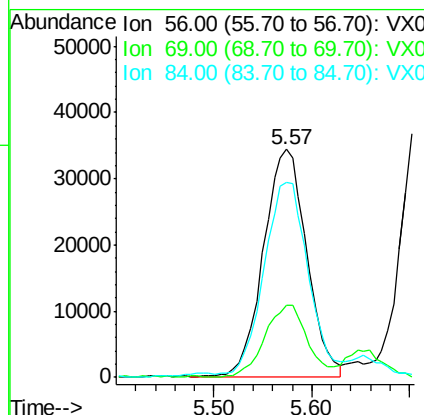
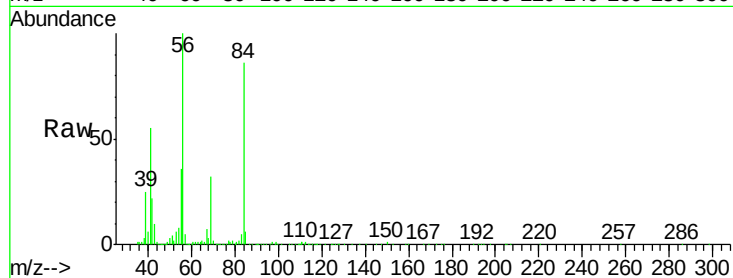
#31
Cyclohexane
Concen: 19.500 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.8	37.2
84	84.6	67.9	101.9

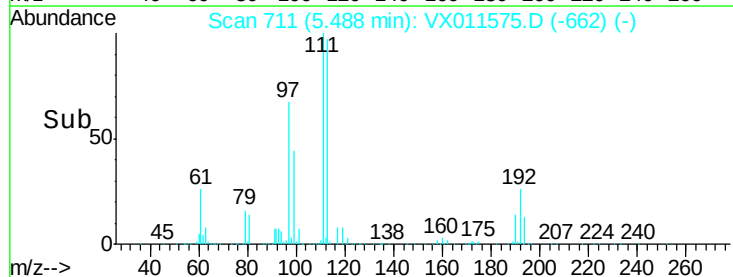
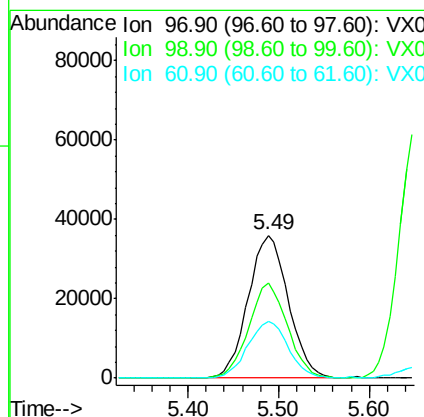
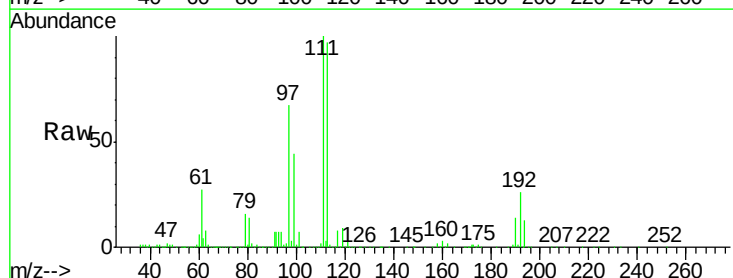
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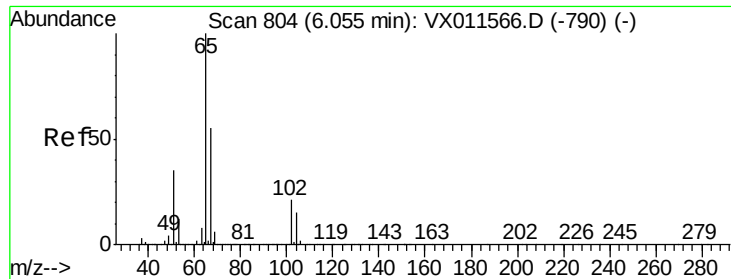
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#32
1,1,1-Trichloroethane
Concen: 19.259 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	39.9	31.4	47.2





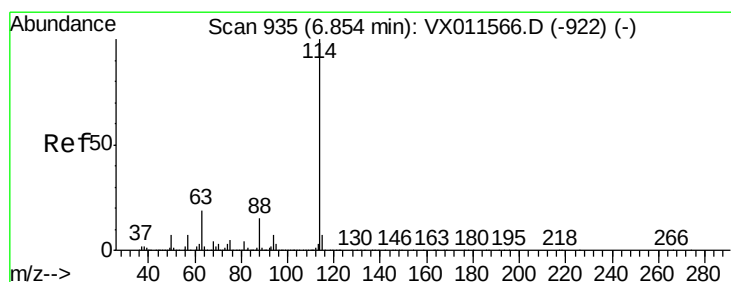
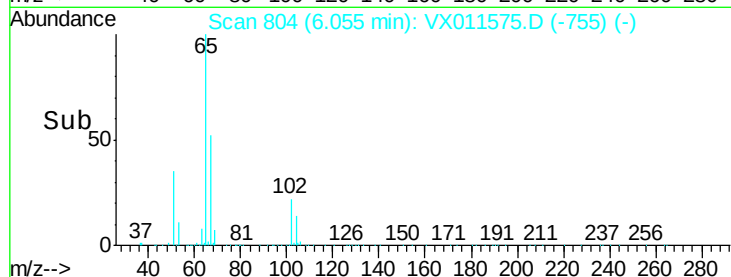
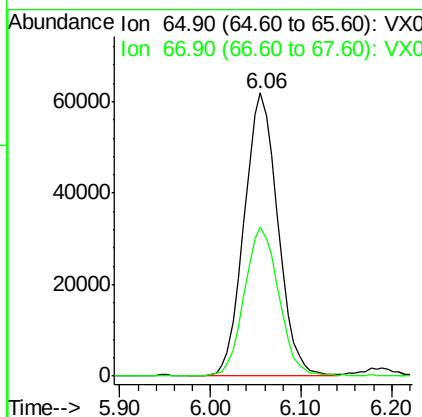
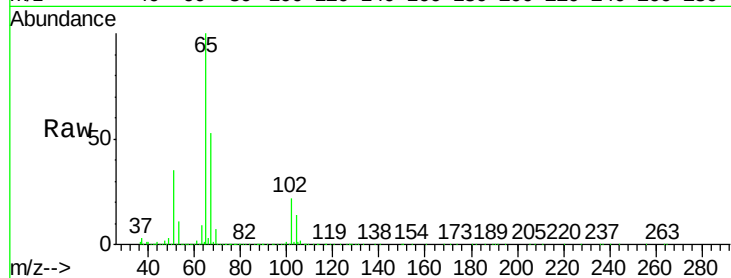
#33
 1,2-Dichloroethane-d4
 Concen: 43.761 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159463		
67	53.6	0.0	107.6	

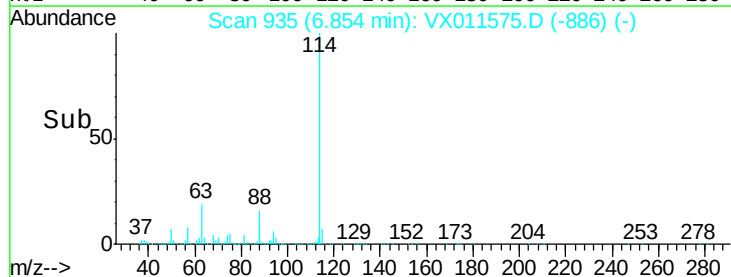
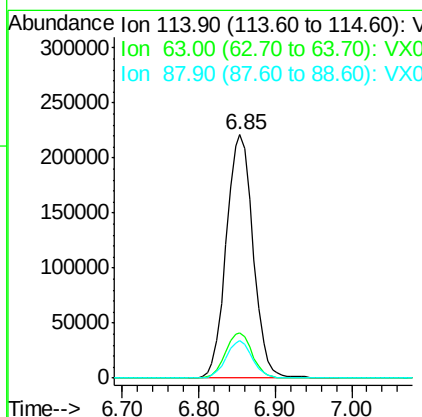
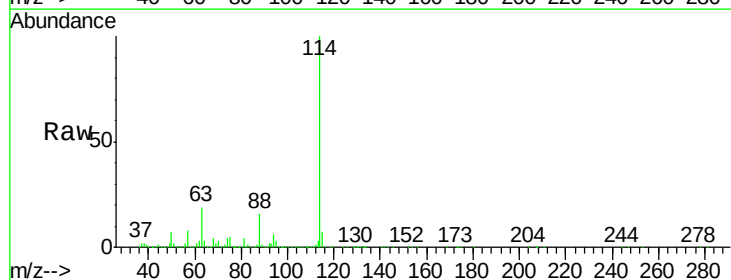
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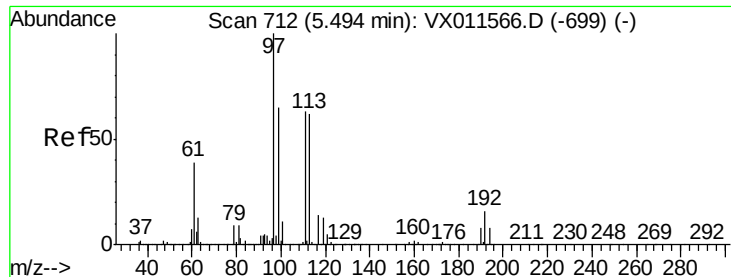
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	534482		
63	18.8	0.0	37.8	
88	15.6	0.0	30.2	





#35

Dibromofluoromethane

Concen: 43.502 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

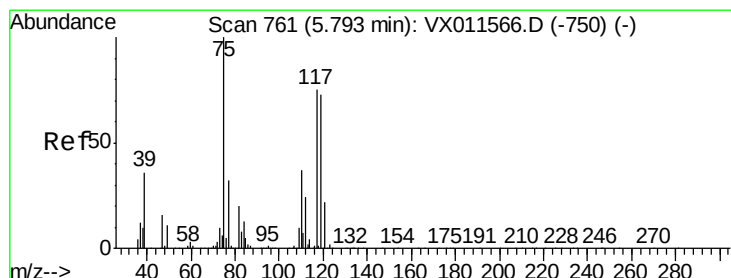
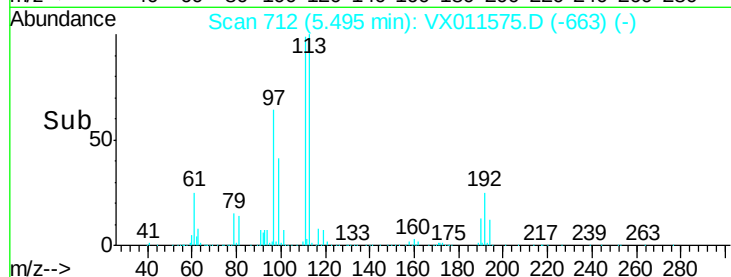
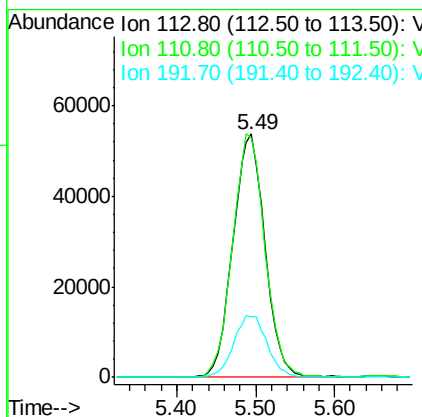
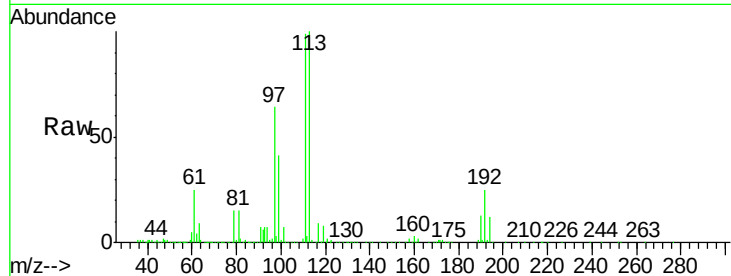
ClientSampleId :

VX0816MBS01

Tot Ion:	113	Resp:	152075
Ion Ratio	Lower	Upper	
113	100		
111	100.9	81.1	121.7
192	26.3	20.8	31.2

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#36

1,1-Dichloropropene

Concen: 19.354 ug/l

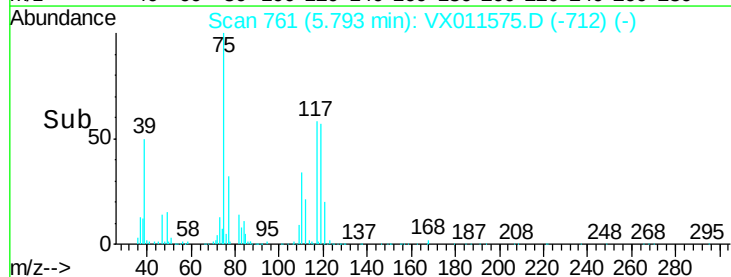
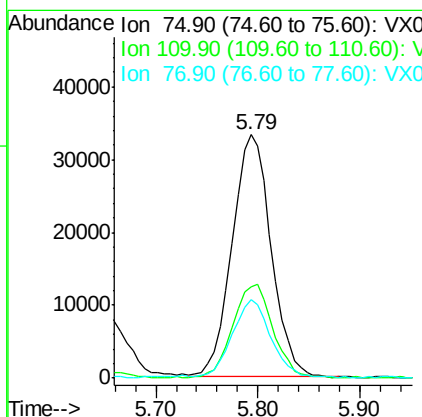
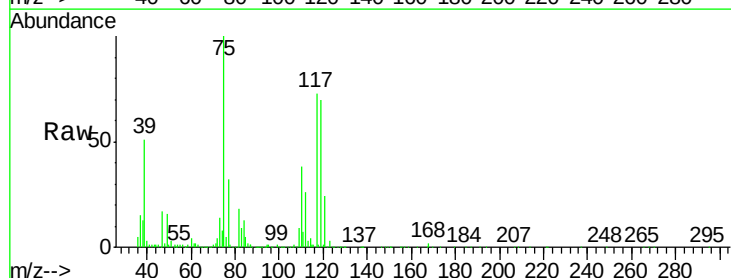
RT: 5.79 min Scan# 761

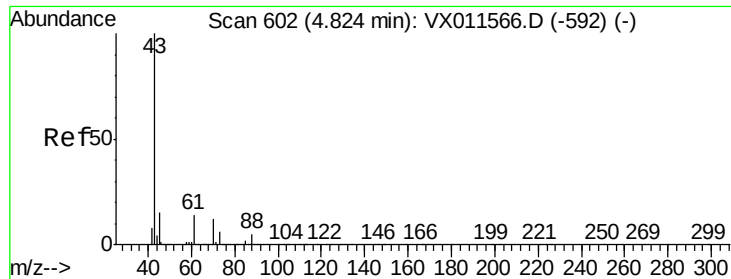
Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tgt Ion:	75	Resp:	88442
Ion Ratio	Lower	Upper	
75	100		
110	39.4	19.4	58.1
77	31.7	25.1	37.7





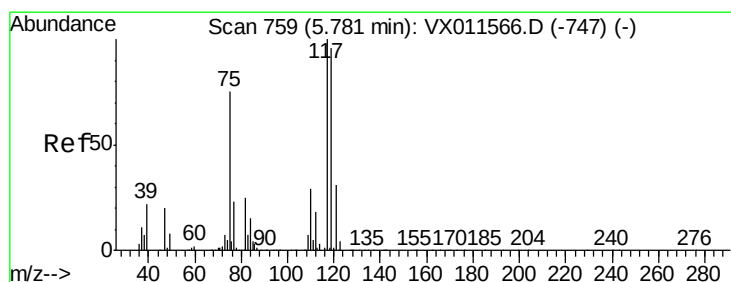
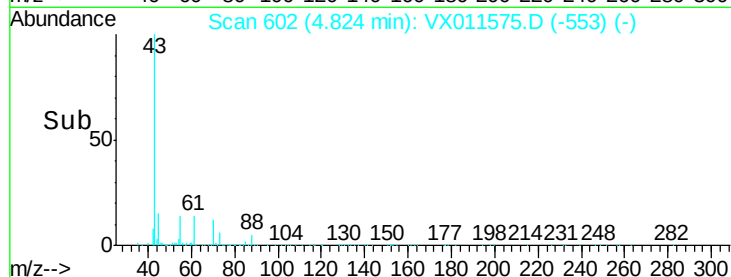
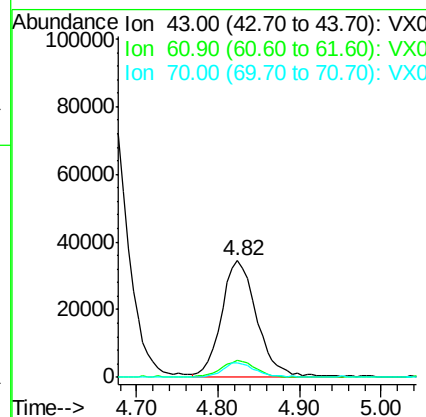
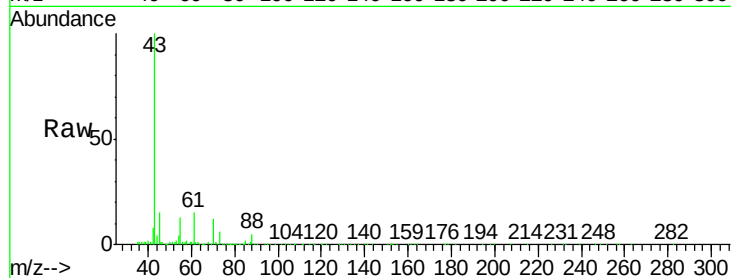
#37
Ethyl Acetate
Concen: 19.322 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	43	Resp	101555
Ion Ratio	Lower	Upper	
43	100		
61	13.5	11.4	17.0
70	11.8	9.0	13.6

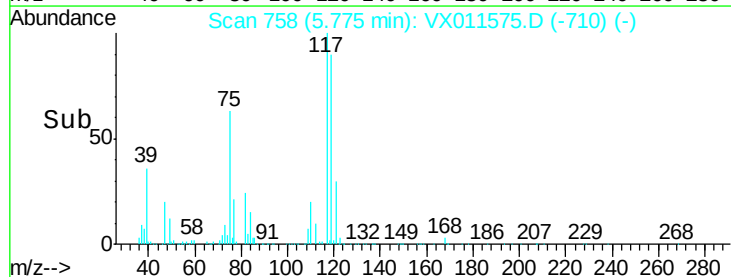
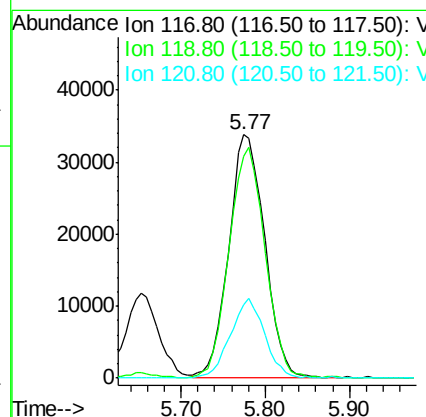
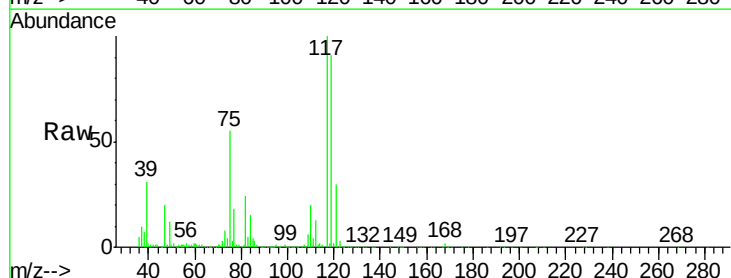
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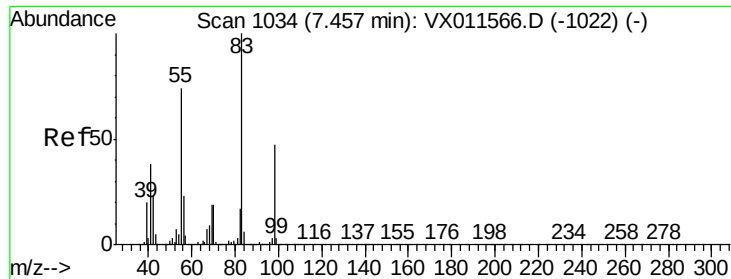
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#38
Carbon Tetrachloride
Concen: 19.373 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	117	Resp	97537
Ion Ratio	Lower	Upper	
117	100		
119	91.0	76.9	115.3
121	30.3	24.8	37.2





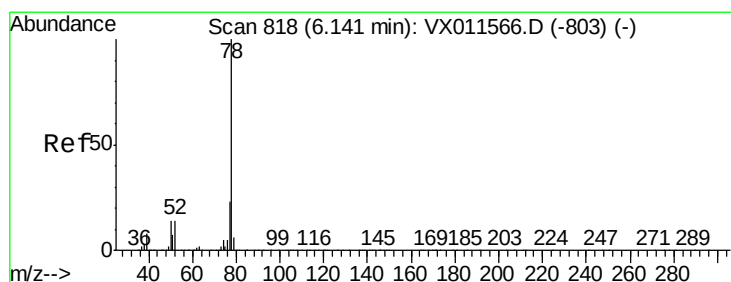
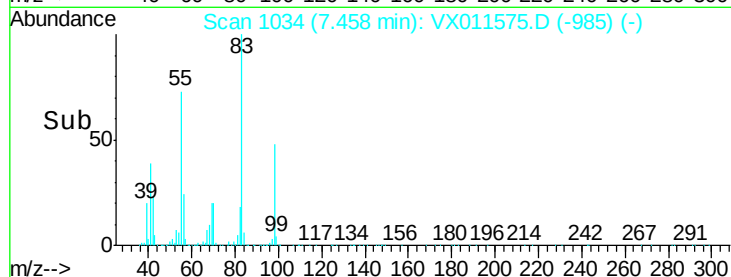
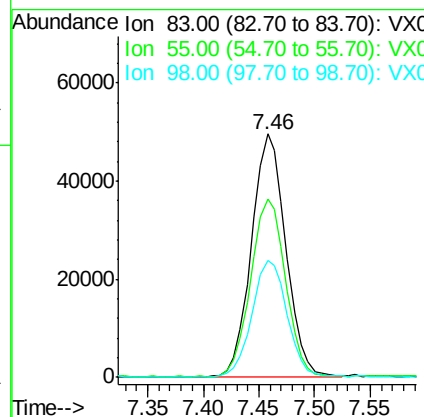
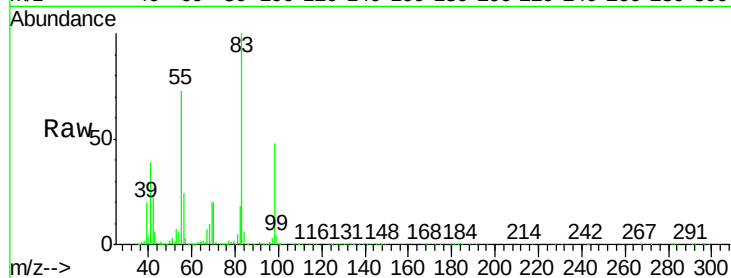
#39
Methylvlcyclohexane
Concen: 18.994 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	58.8	88.2
98	47.5	37.8	56.6

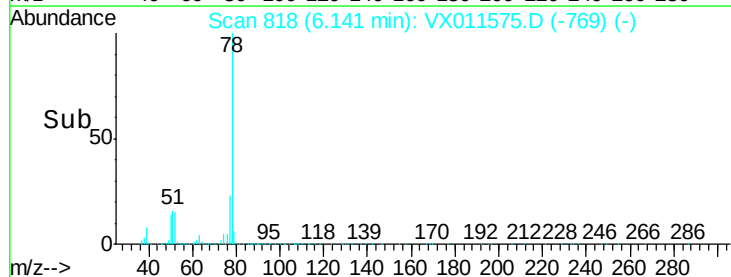
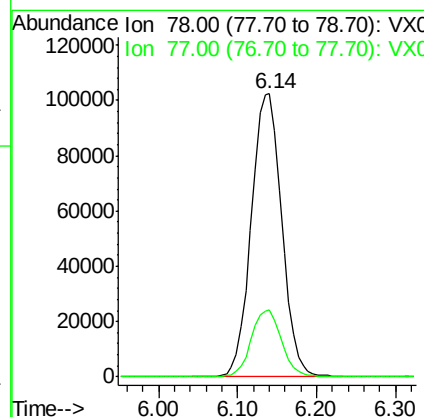
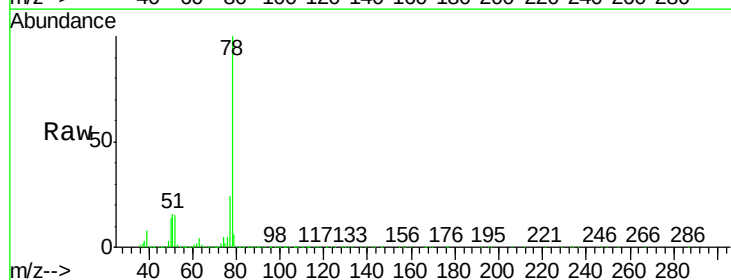
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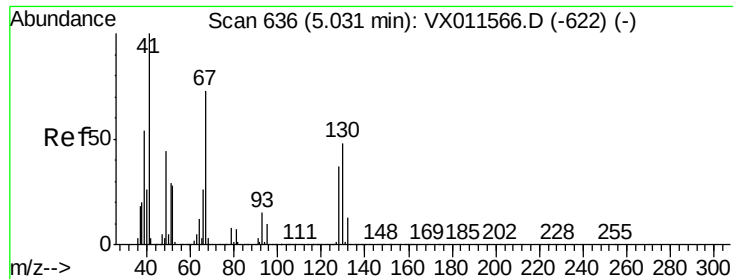
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#40
Benzene
Concen: 19.311 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





#41

Methacrylonitrile

Concen: 19.277 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

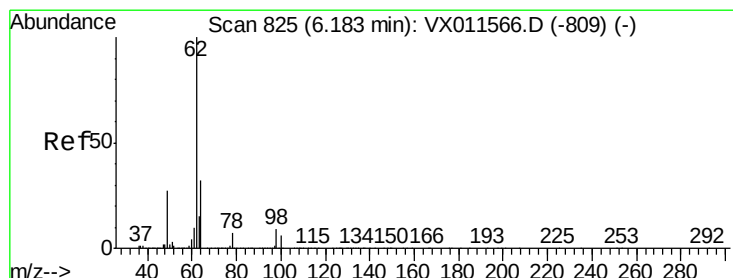
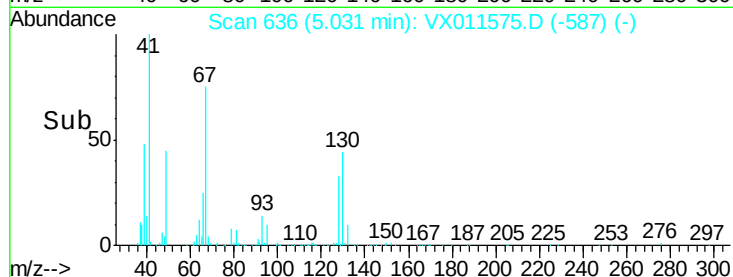
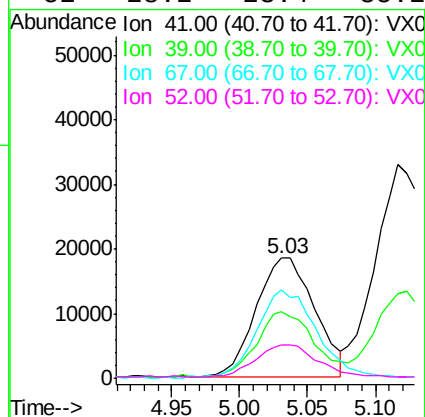
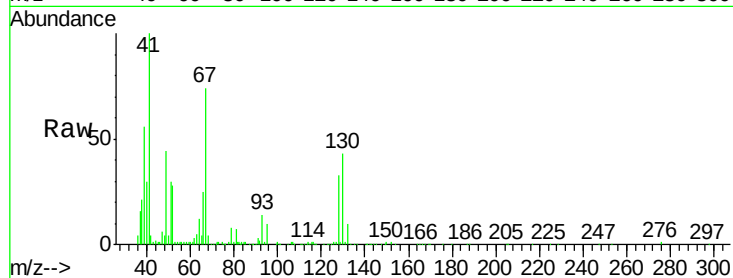
ClientSampleId :

VX0816MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	43.5	65.3	
67	74.8	59.4	89.2	
52	28.2	23.4	35.2	

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#42

1,2-Dichloroethane

Concen: 19.769 ug/l

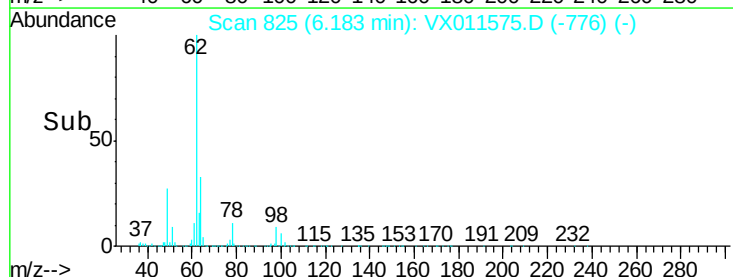
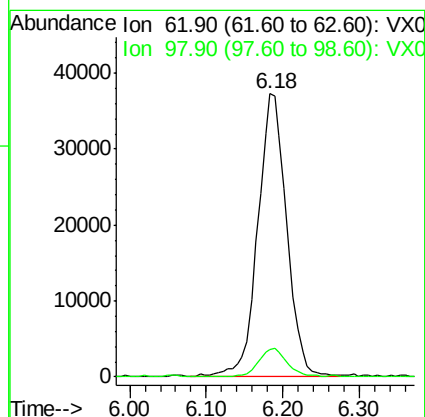
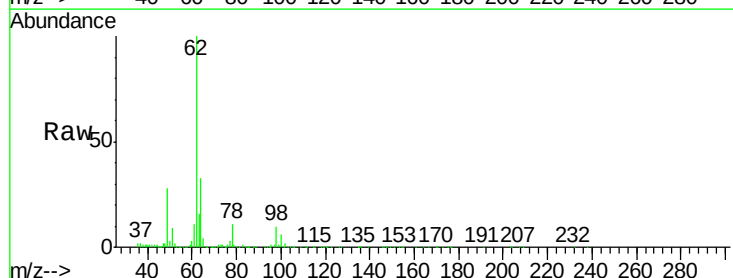
RT: 6.18 min Scan# 825

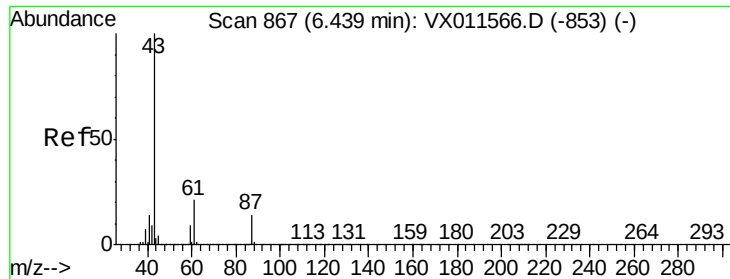
Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.4	





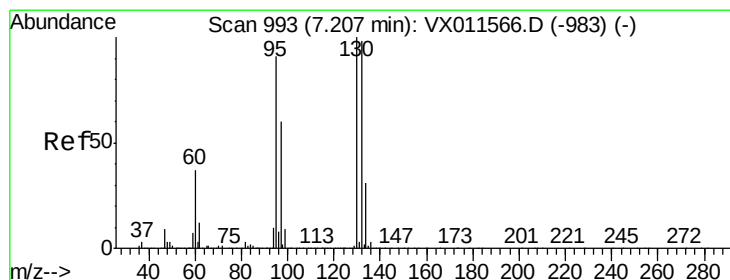
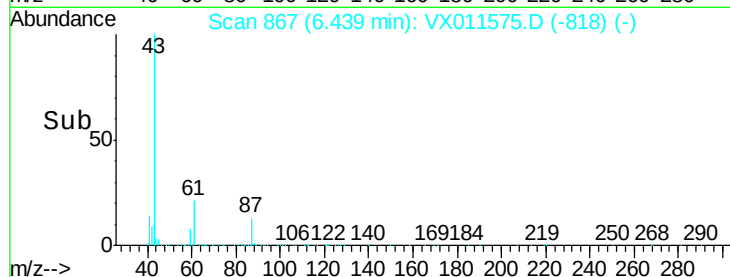
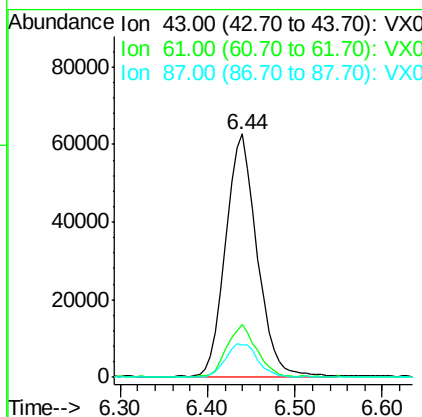
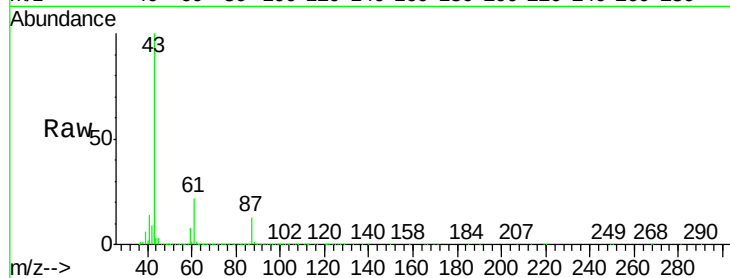
#43
Isopropyl Acetate
Concen: 18.995 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.6	24.8
87	14.1	11.4	17.2

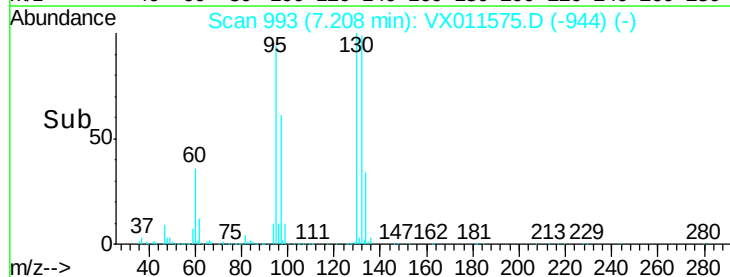
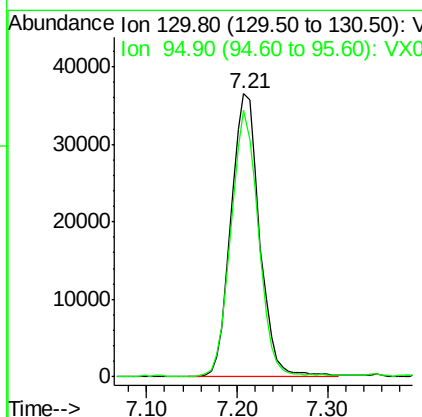
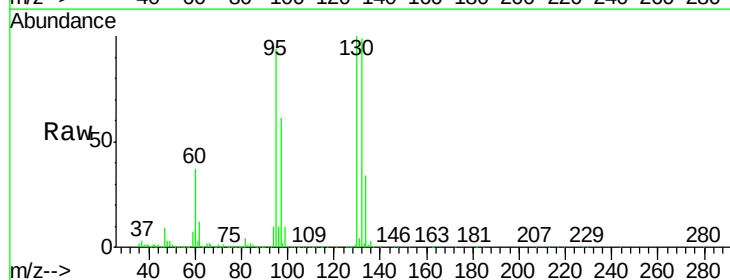
Manual Integrations
APPROVED

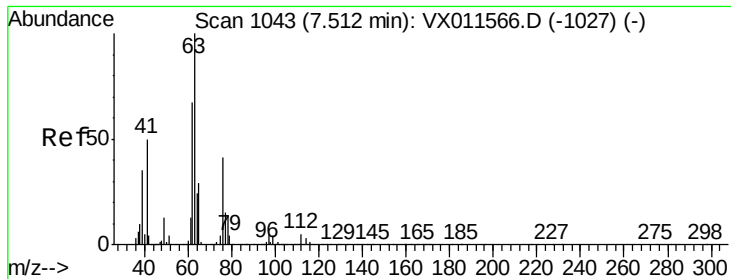
MMDadoda
8/19/2019 10:29:56 AM



#44
Trichloroethene
Concen: 19.011 ug/l
RT: 7.21 min Scan# 993
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	181.4





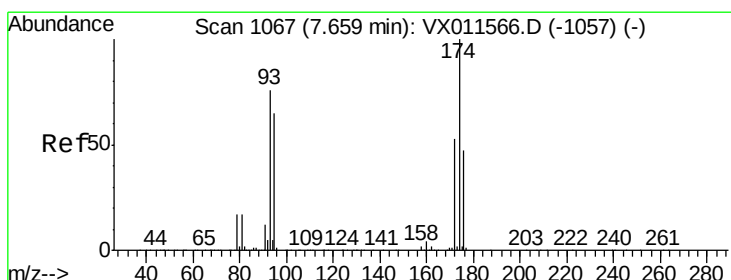
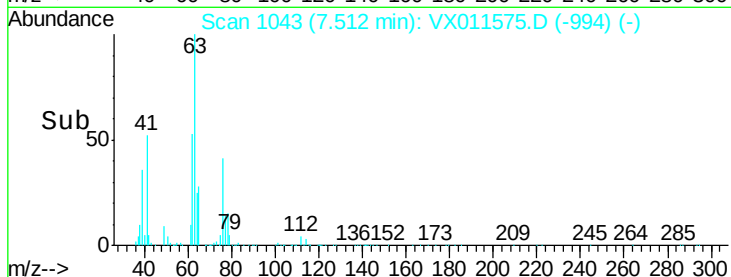
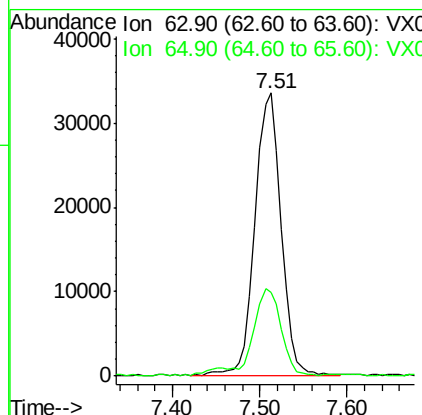
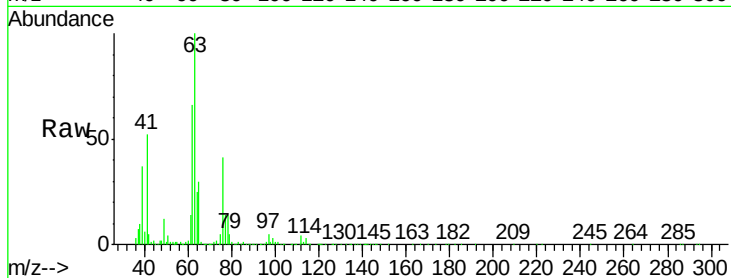
#45
 1,2-Dichloropropane
 Concen: 19.541 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.4	35.2

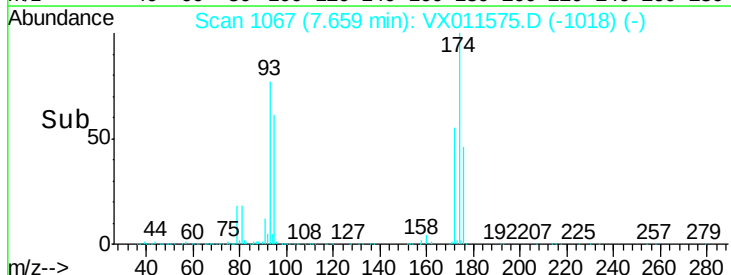
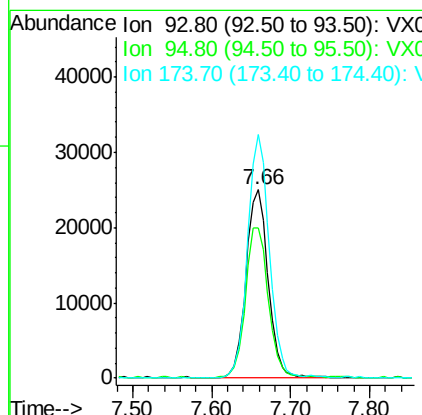
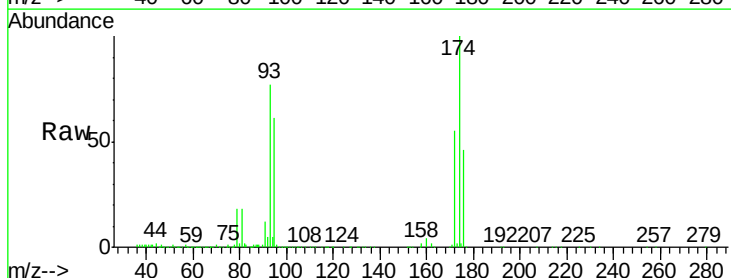
Manual Integrations
 APPROVED

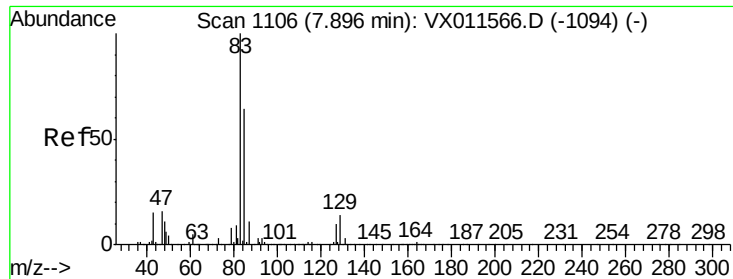
MMDadoda
 8/19/2019 10:29:56 AM



#46
 Dibromomethane
 Concen: 19.179 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.2	100.8
174	125.9	105.5	158.3





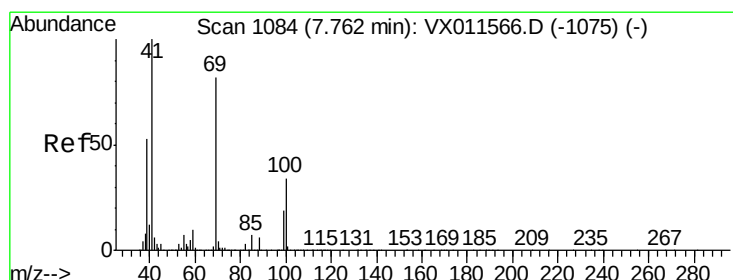
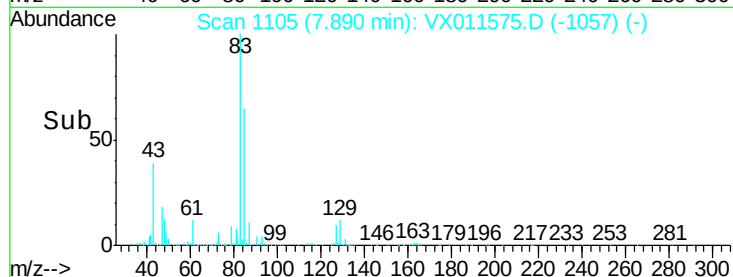
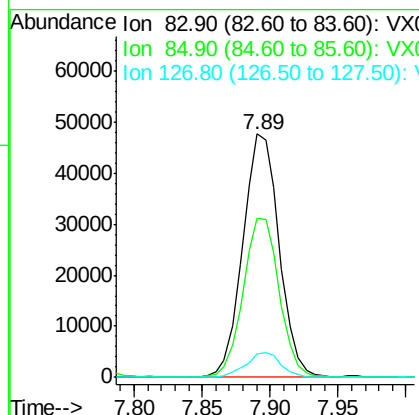
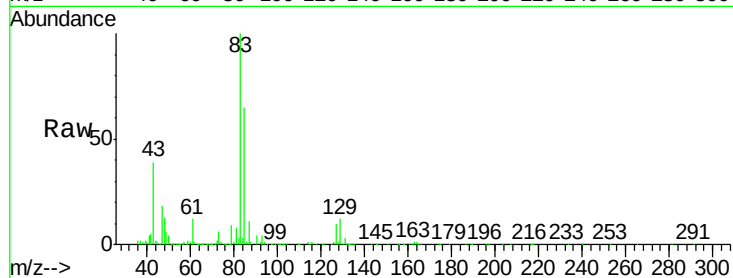
#47
Bromodichloromethane
Concen: 18.734 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	83	Resp	88527
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	9.6	8.1	12.1

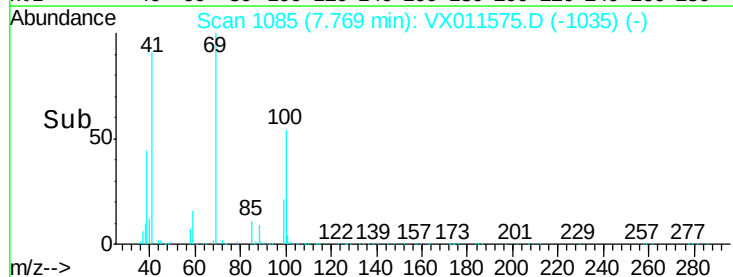
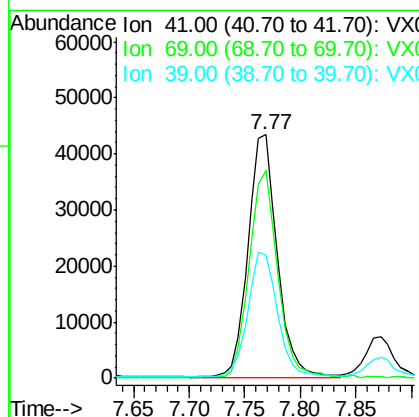
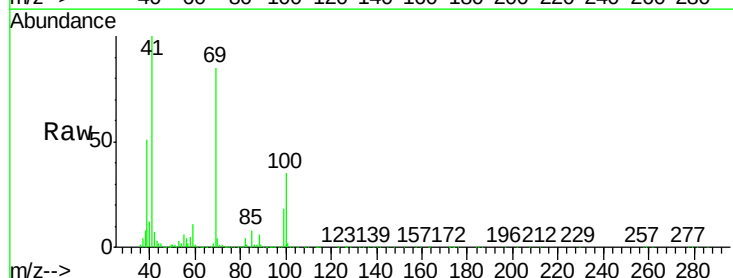
Manual Integrations
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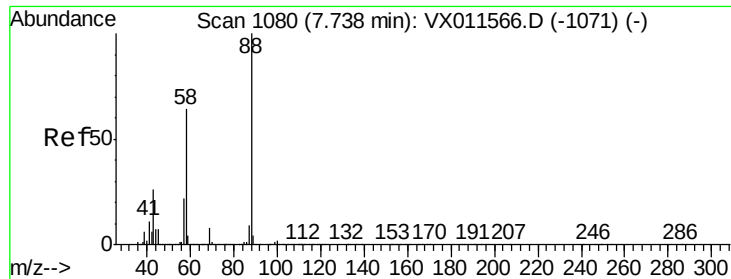
MMDadoda
8/19/2019 10:29:56 AM



#48
Methyl methacrylate
Concen: 19.472 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	41	Resp	79099
Ion Ratio	100	Lower	Upper
41	100		
69	83.7	67.9	101.9
39	52.1	41.6	62.4





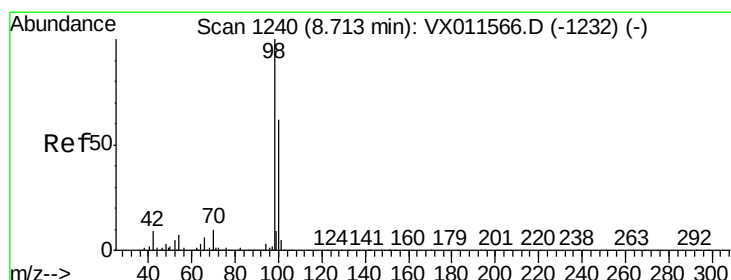
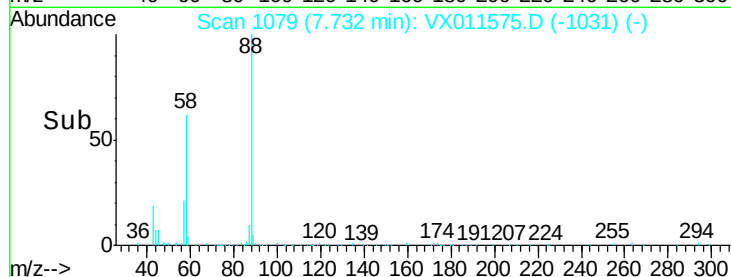
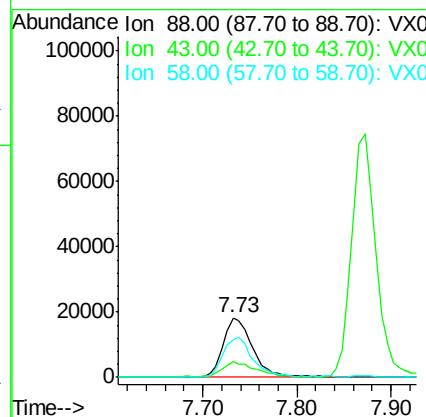
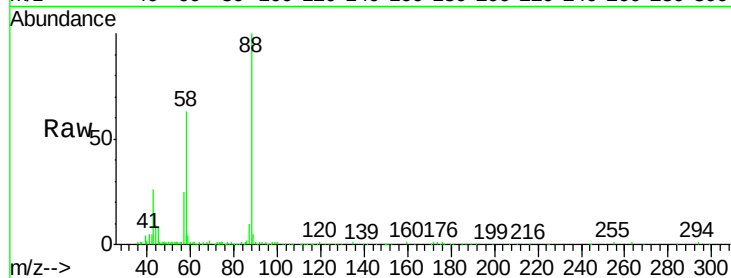
#49
1,4-Dioxane
Concen: 362.782 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.4	35.0
58	66.7	54.3	81.5

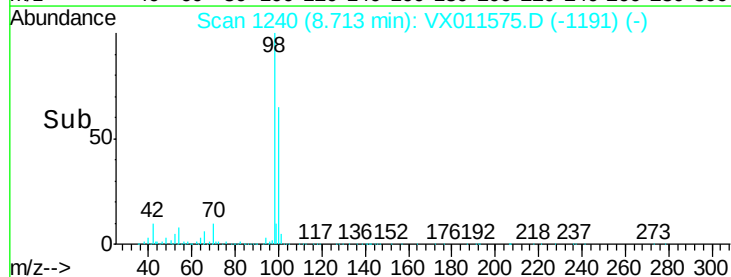
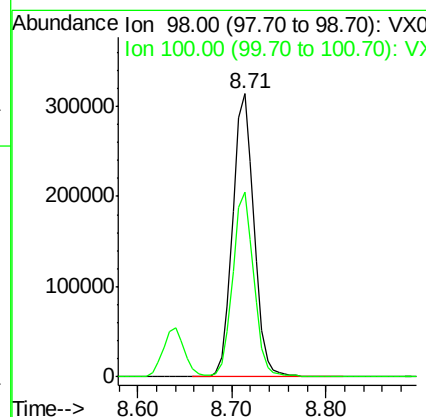
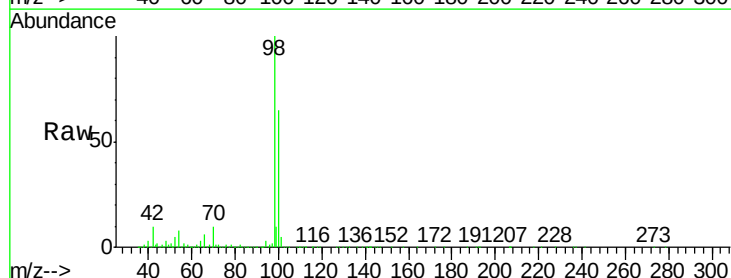
Manual Integrations
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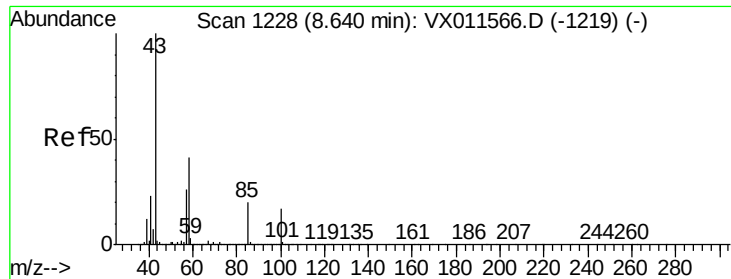
MMDadoda
8/19/2019 10:29:56 AM



#50
Toluene-d8
Concen: 45.195 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.4	78.6





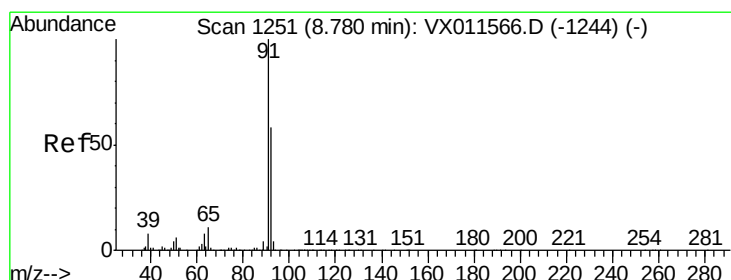
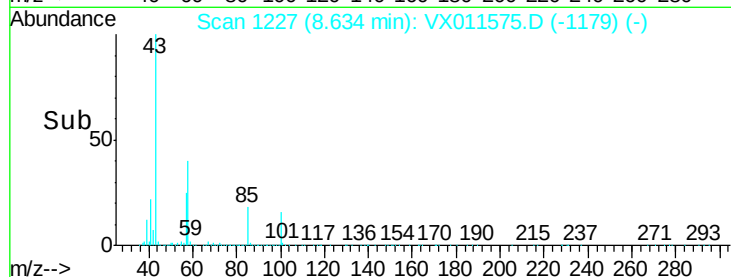
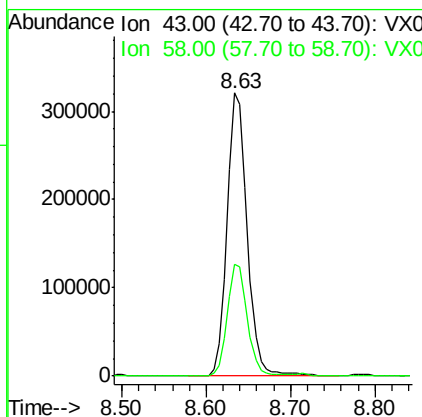
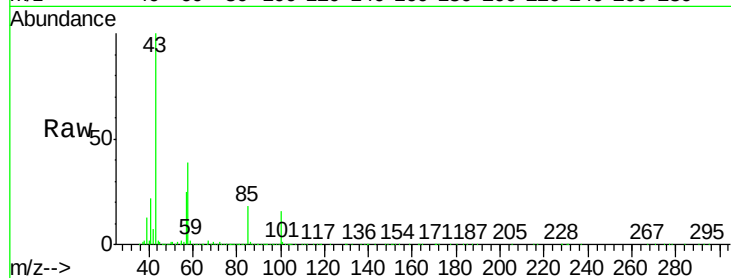
#51
4-Methyl-2-Pentanone
Concen: 98.391 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.8	47.6

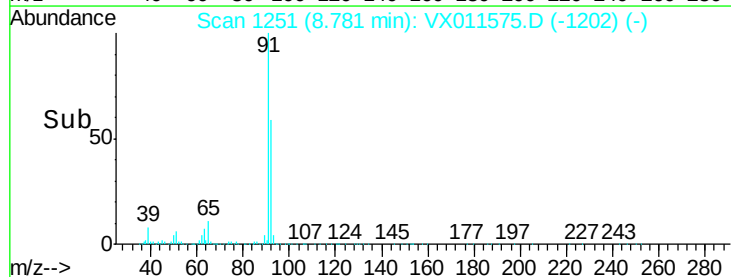
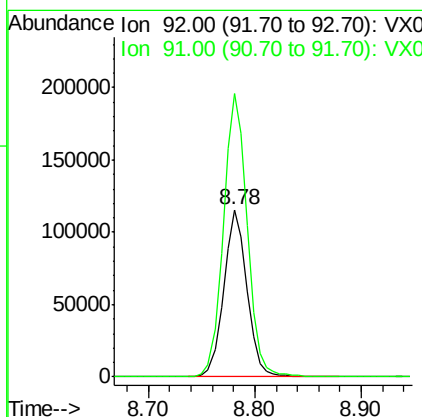
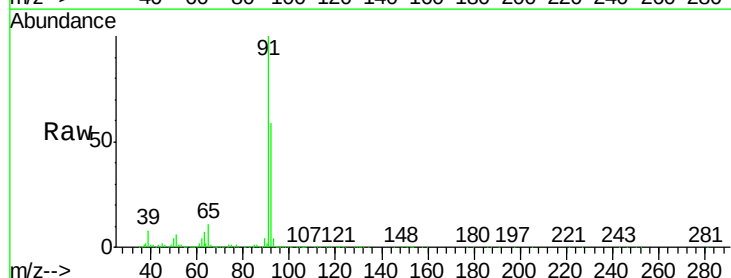
Manual Integrations
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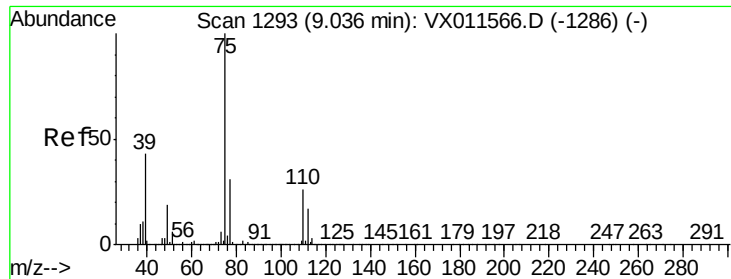
MMDadoda
8/19/2019 10:29:56 AM



#52
Toluene
Concen: 19.374 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.4	138.0	207.0





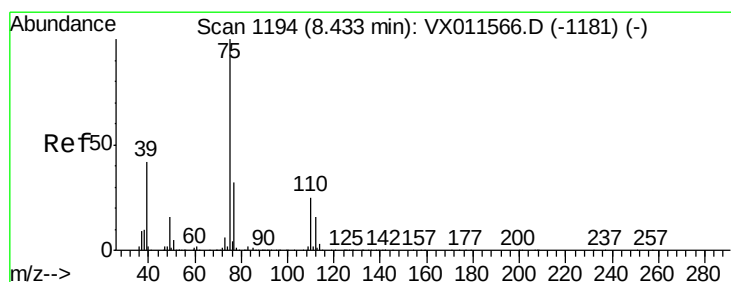
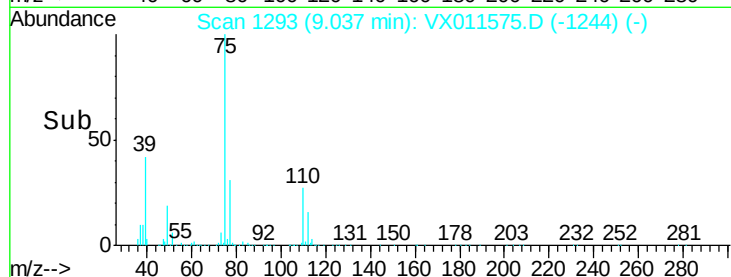
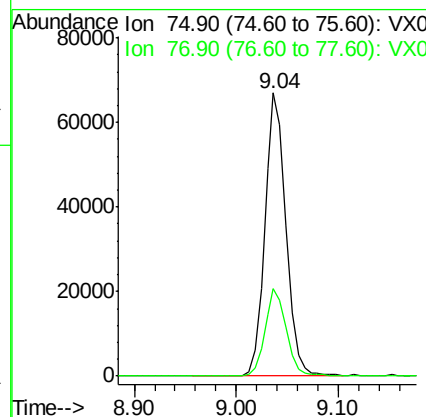
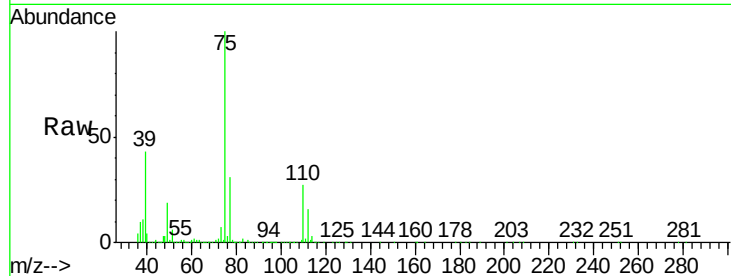
#53
t-1,3-Dichloropropene
Concen: 19.581 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7

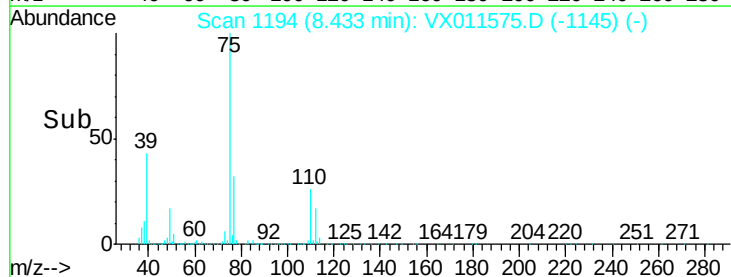
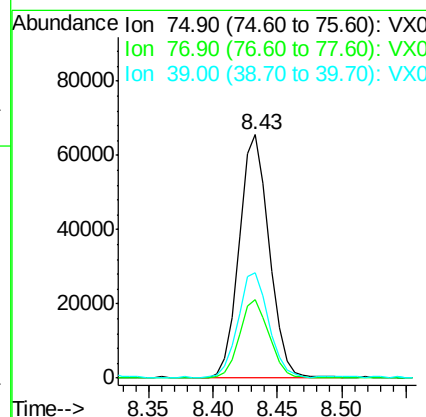
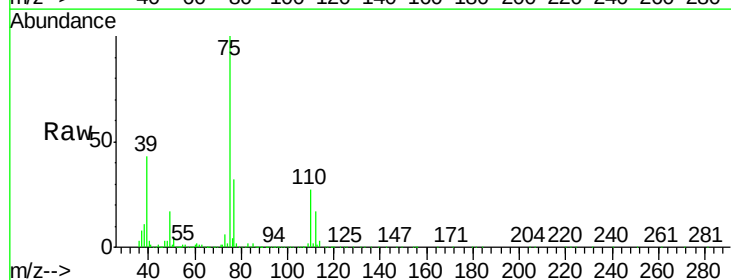
Manual Integrations
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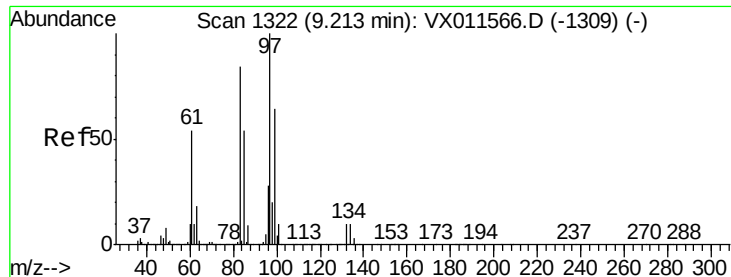
MMDadoda
8/19/2019 10:29:56 AM



#54
cis-1,3-Dichloropropene
Concen: 19.829 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	43.1	33.6	50.4





#55

1,1,2-Trichloroethane

Concen: 19.192 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

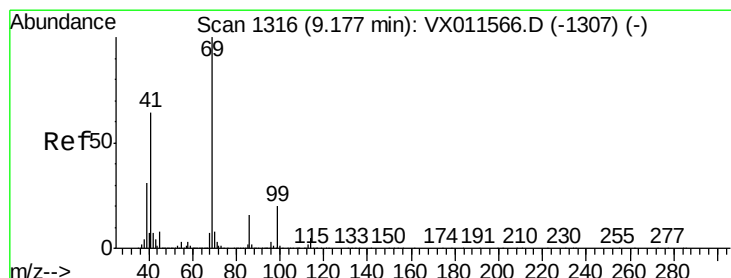
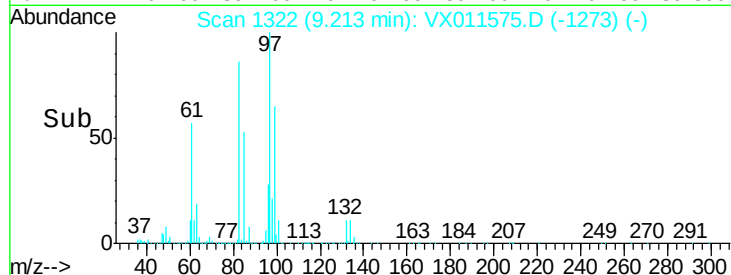
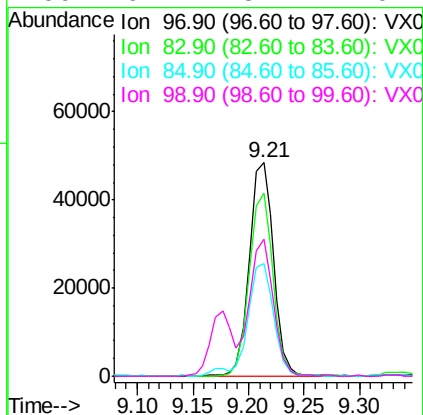
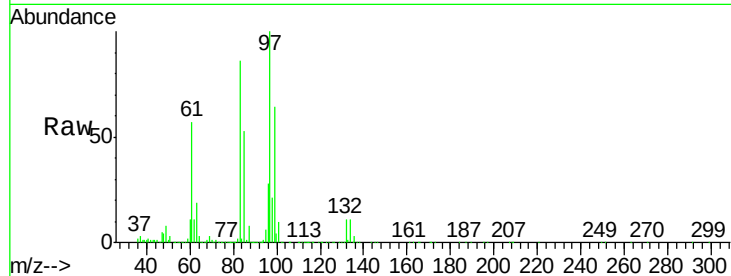
ClientSampleId :

VX0816MBS01

Tot Ion:	97	Resp:	73840
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.4	101.0
85	52.7	43.4	65.2
99	64.2	51.1	76.7

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8/19/2019 10:29:56 AM



#56

Ethyl methacrylate

Concen: 19.489 ug/l

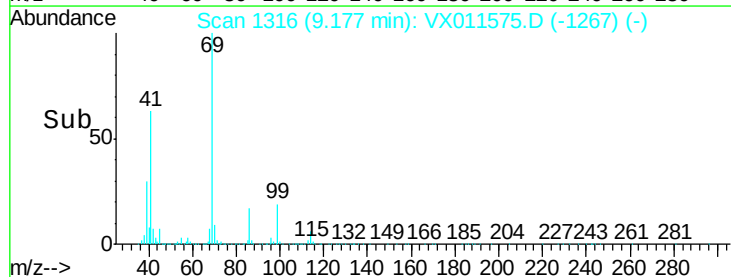
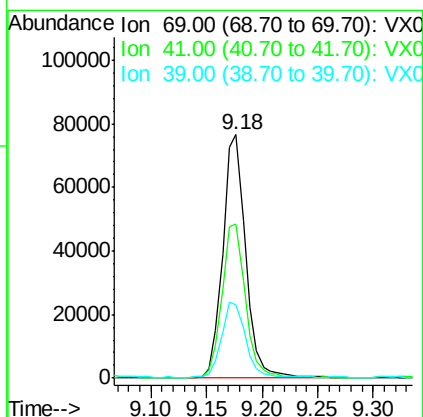
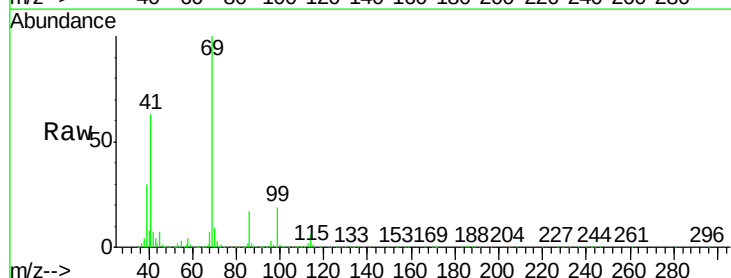
RT: 9.18 min Scan# 1316

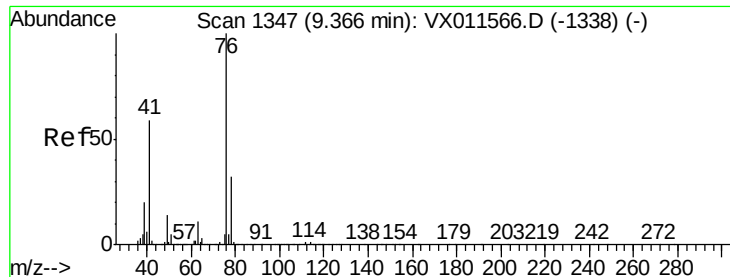
Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tgt Ion:	69	Resp:	108982
Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.1	78.1
39	32.9	25.4	38.0





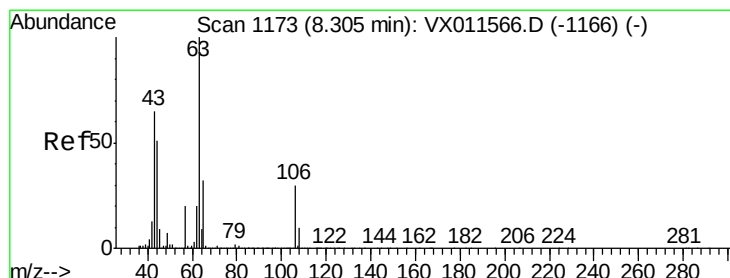
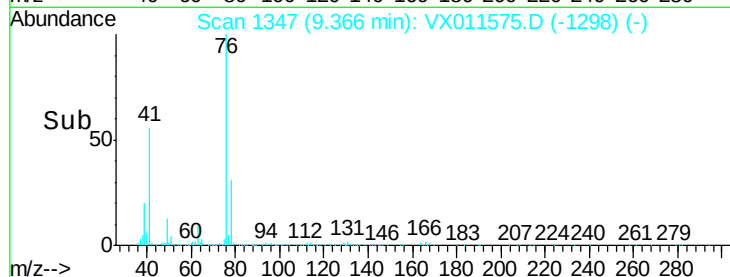
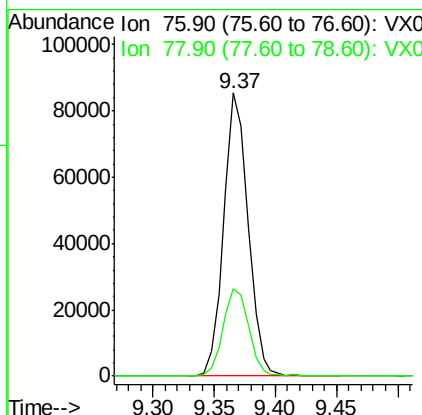
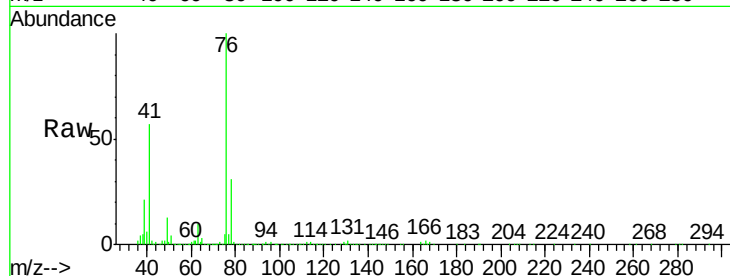
#57
 1,3-Dichloropropane
 Concen: 19.320 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.2	39.4

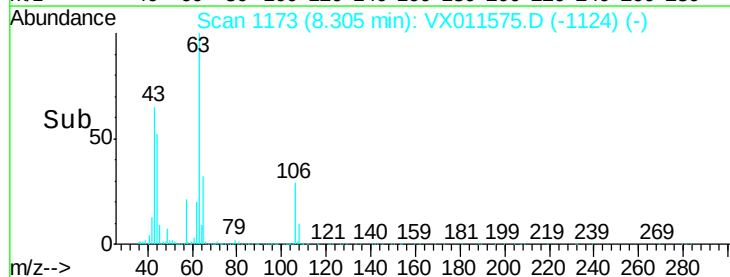
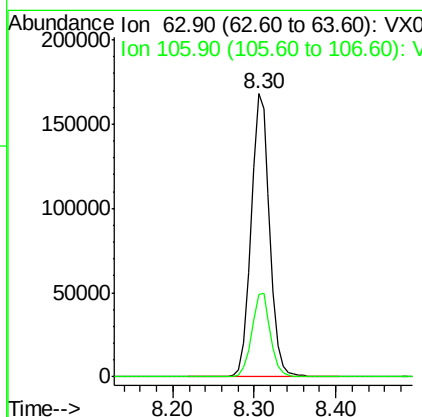
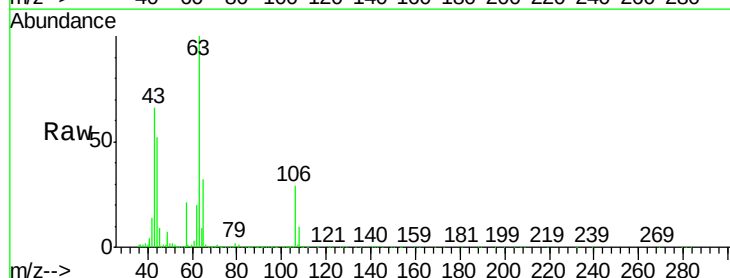
Manual Integrations
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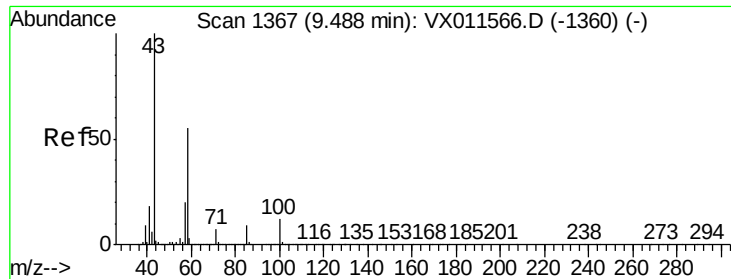
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 8/19/2019 10:29:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.943 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	24.7	37.1





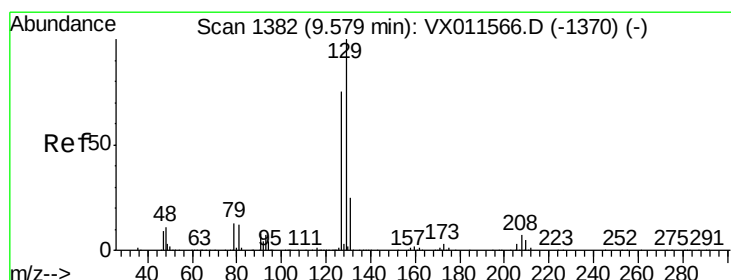
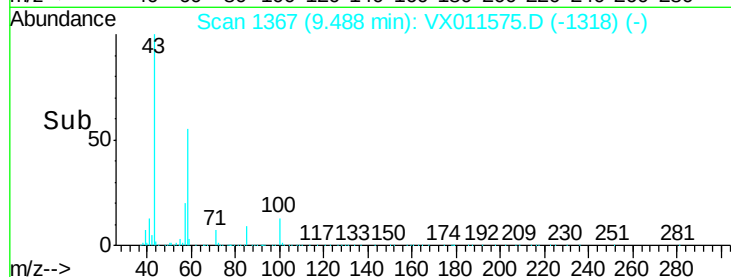
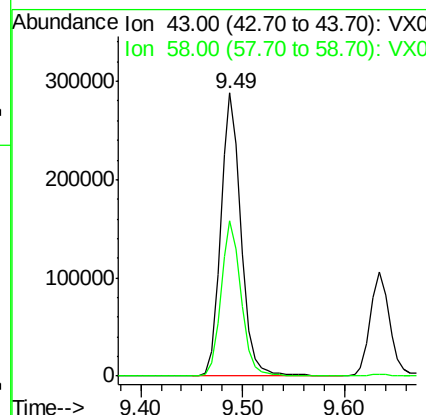
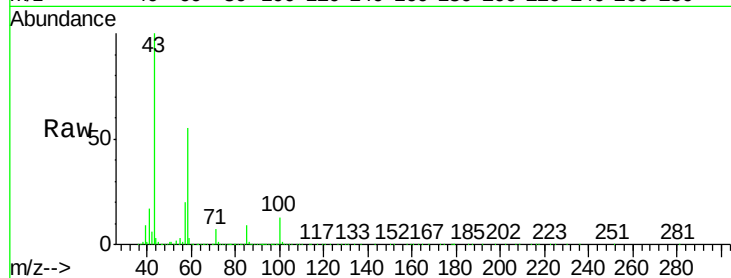
#59
2-Hexanone
Concen: 97.040 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.5	82.4

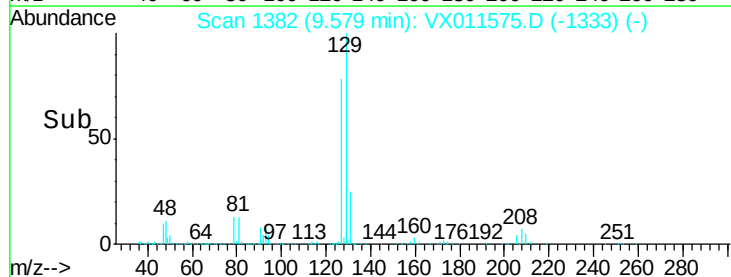
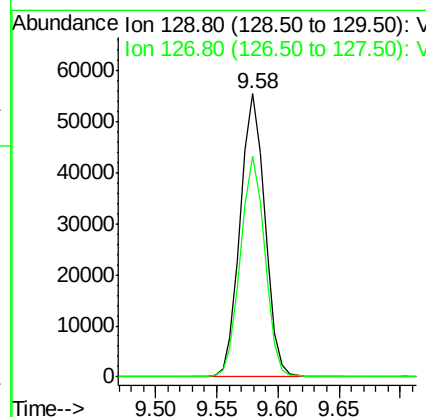
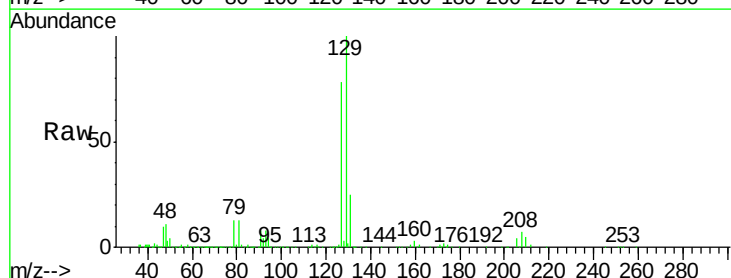
Manual Integrations
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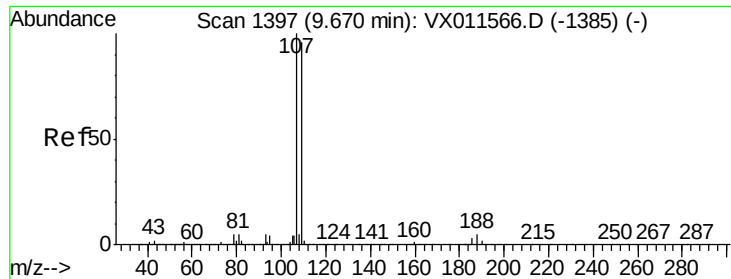
MMDadoda
8/19/2019 10:29:56 AM



#60
Dibromochloromethane
Concen: 19.335 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.0	114.1





#61

1,2-Dibromoethane

Concen: 19.320 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion:107 Resp: 79330

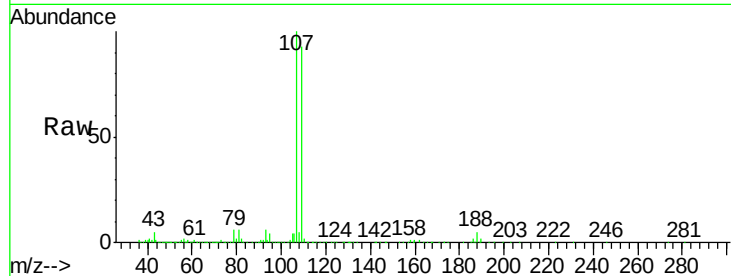
Ion Ratio Lower Upper

107 100

109 94.8 76.2 114.2

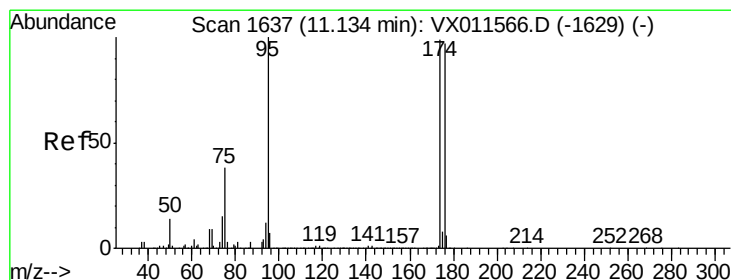
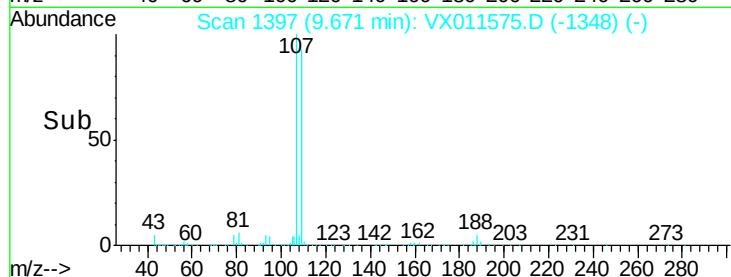
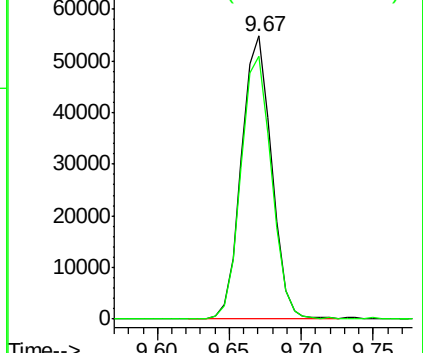
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.893 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

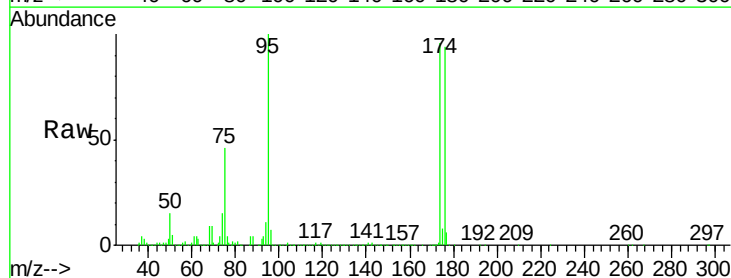
Tgt Ion: 95 Resp: 201803

Ion Ratio Lower Upper

95 100

174 97.4 0.0 200.6

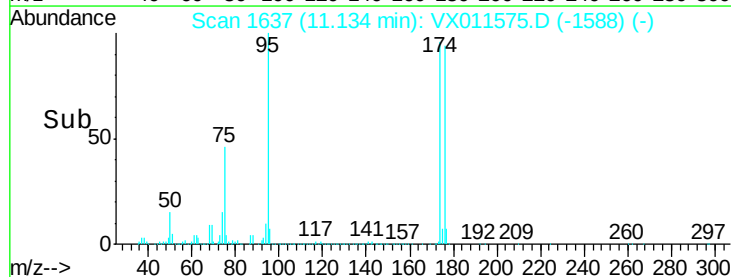
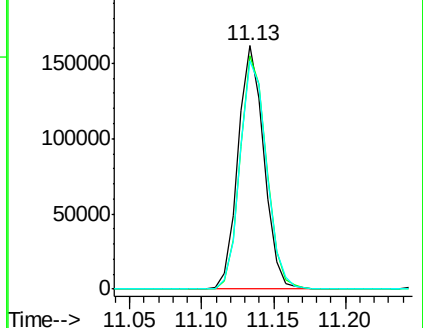
176 96.6 0.0 196.6

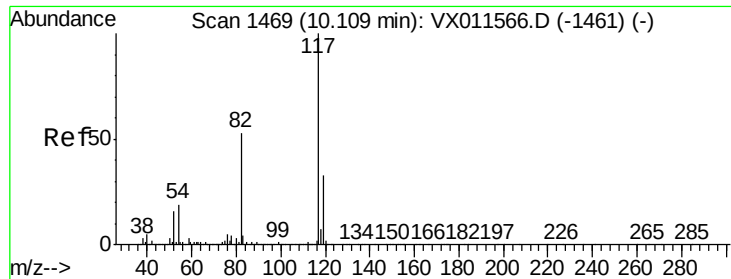


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





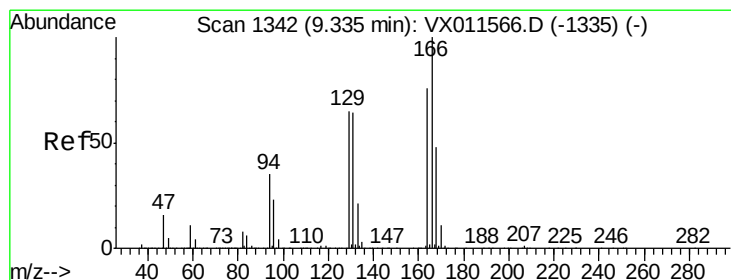
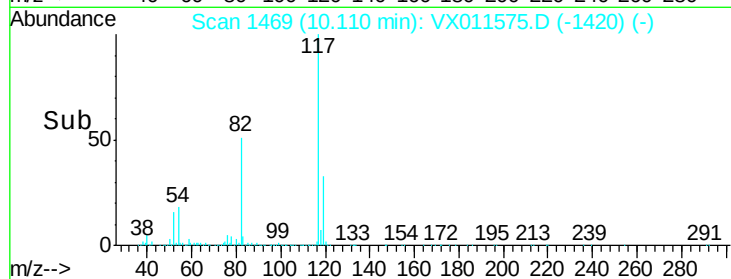
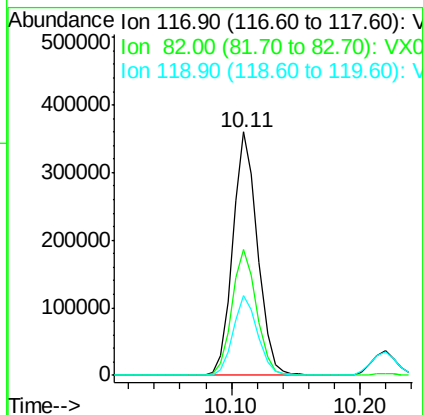
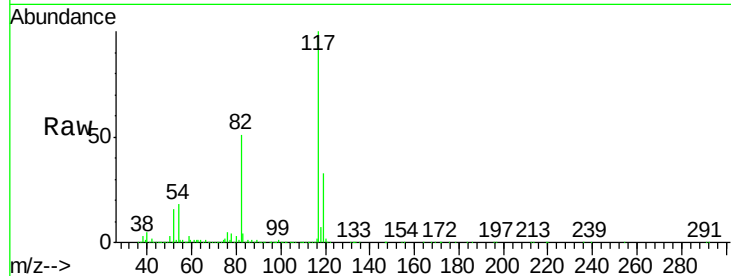
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	482717		
82	51.4	42.0	63.0	
119	32.6	26.5	39.7	

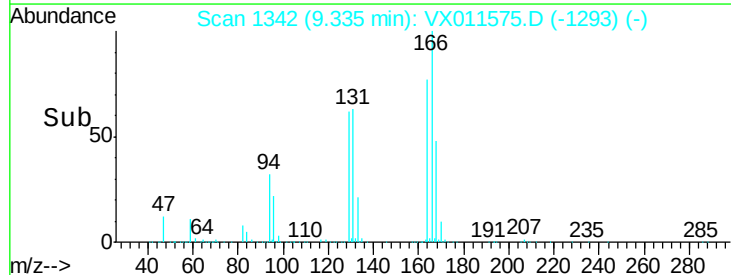
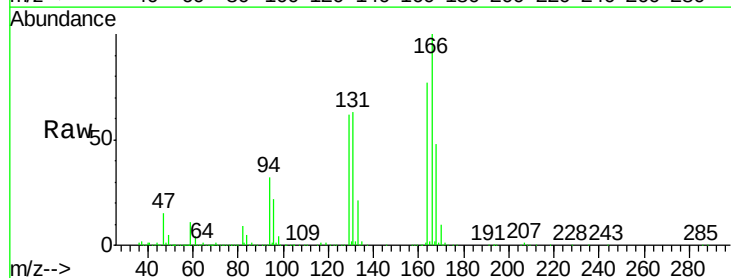
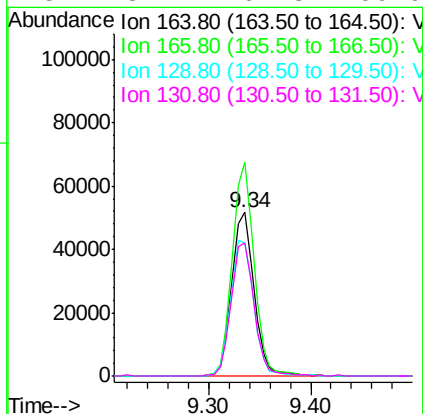
Manual Integrations
APPROVED

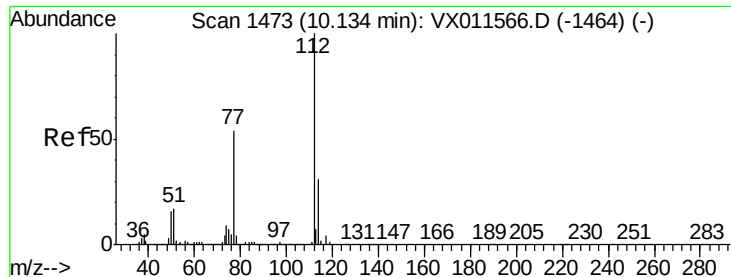
MMDadoda
8/19/2019 10:29:56 AM



#64
Tetrachloroethene
Concen: 19.783 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78354		
166	130.6	104.7	157.1	
129	81.4	68.2	102.4	
131	81.7	67.3	100.9	





#65

Chlorobenzene

Concen: 19.450 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion:112 Resp: 200256

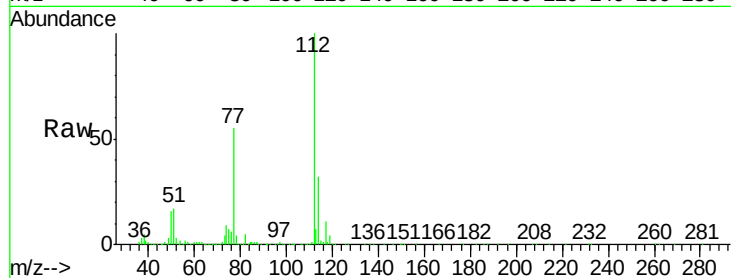
Ion Ratio Lower Upper

112 100

114 31.7 25.0 37.6

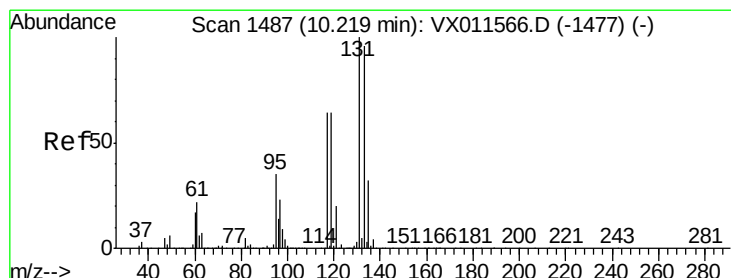
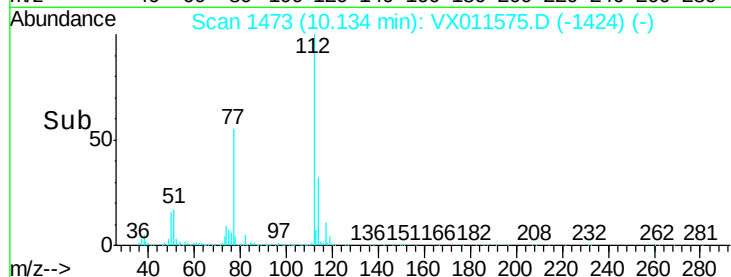
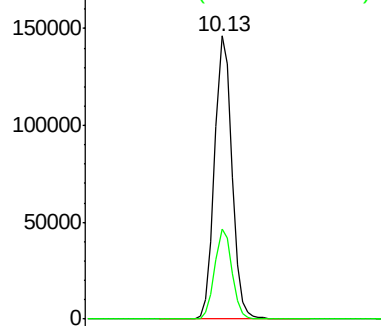
Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.343 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

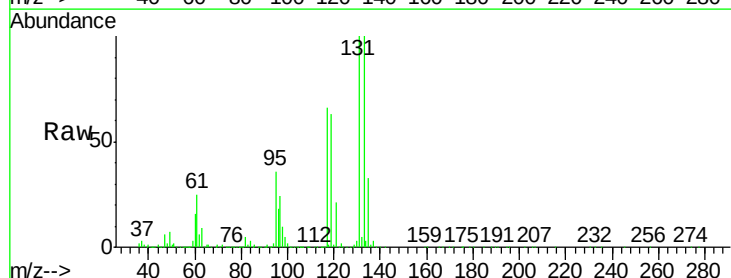
Tgt Ion:131 Resp: 74438

Ion Ratio Lower Upper

131 100

133 96.6 48.1 144.4

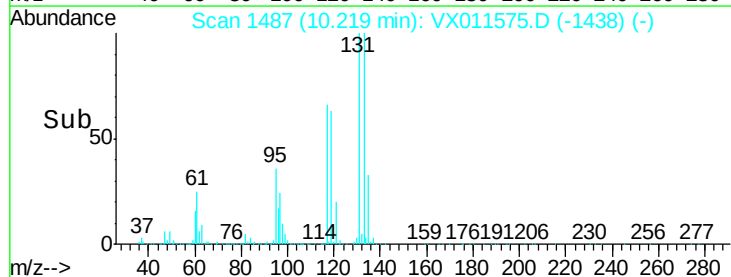
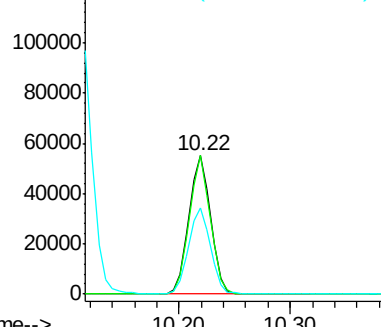
119 62.9 31.3 93.8

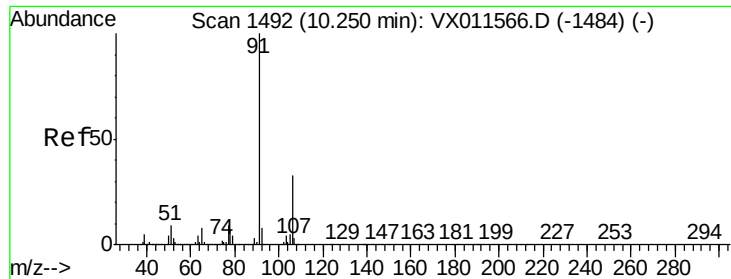


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.338 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion: 91 Resp: 332277

Ion Ratio Lower Upper

91 100

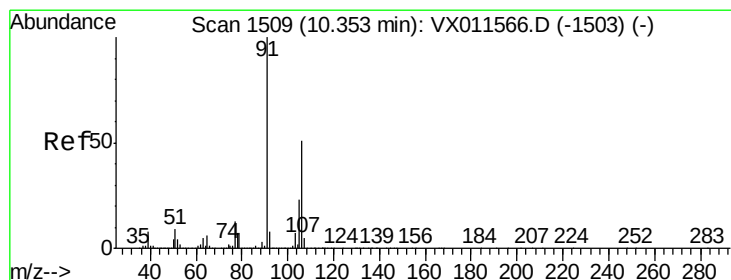
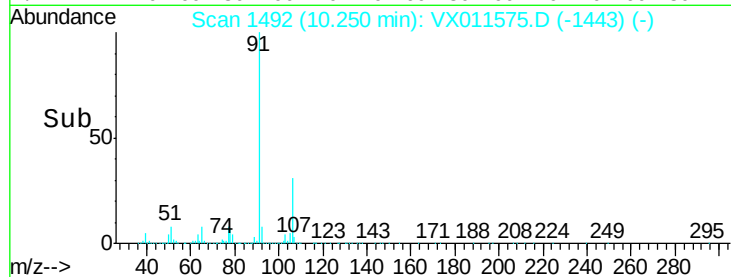
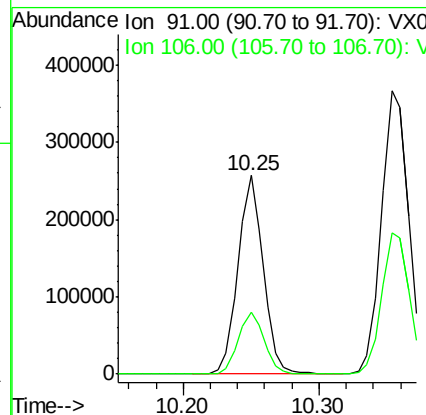
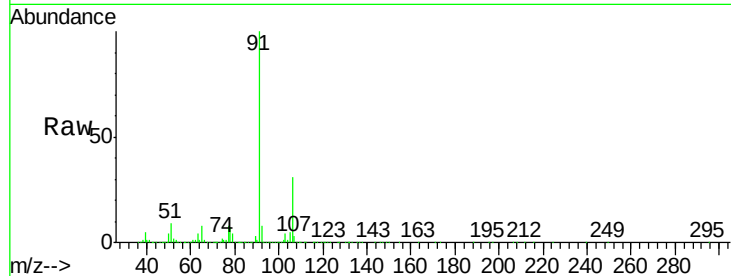
106 31.4 26.0 39.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.529 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011575.D

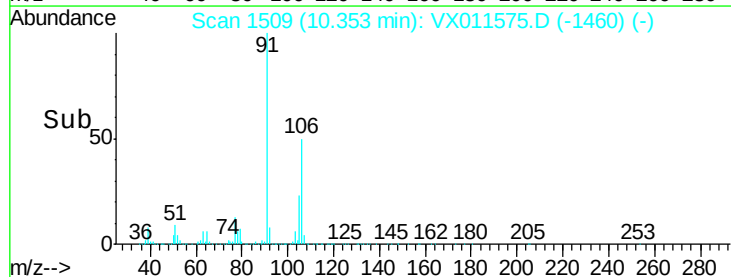
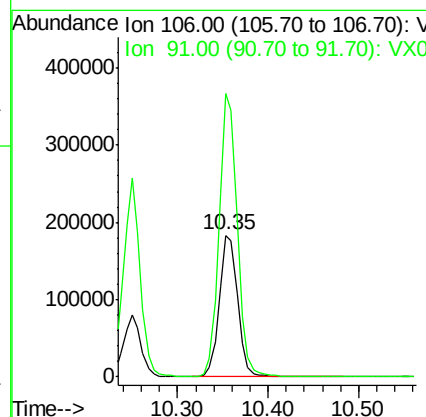
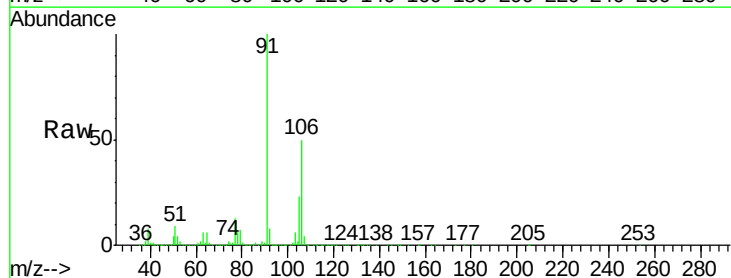
Acq: 16 Aug 2019 12:53

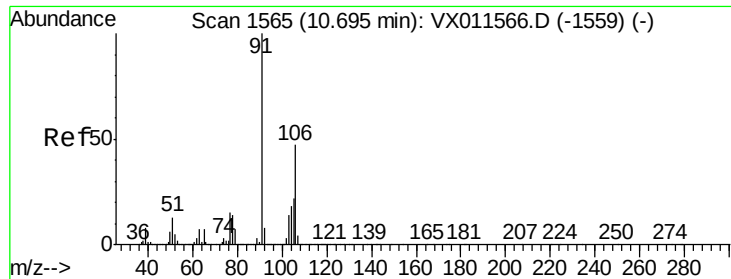
Tgt Ion: 106 Resp: 260720

Ion Ratio Lower Upper

106 100

91 197.7 156.0 234.0





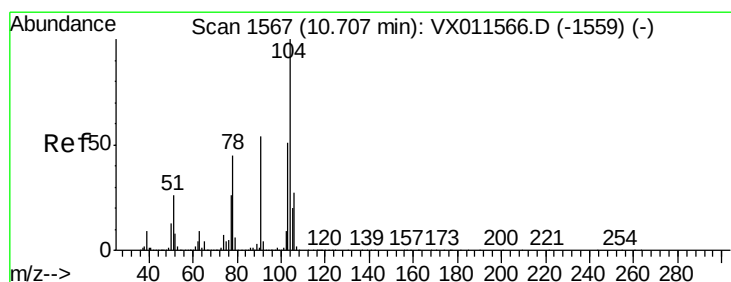
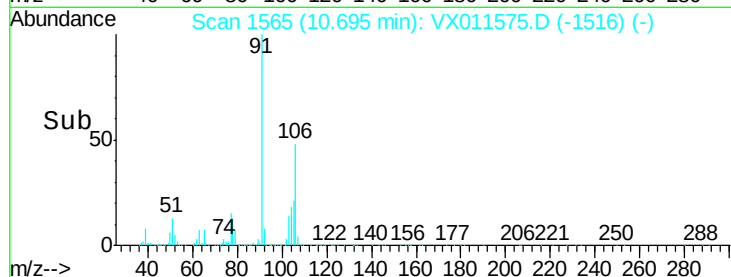
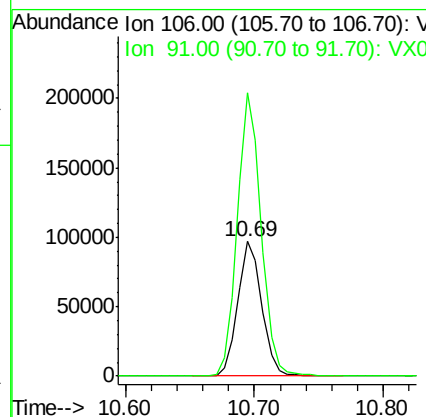
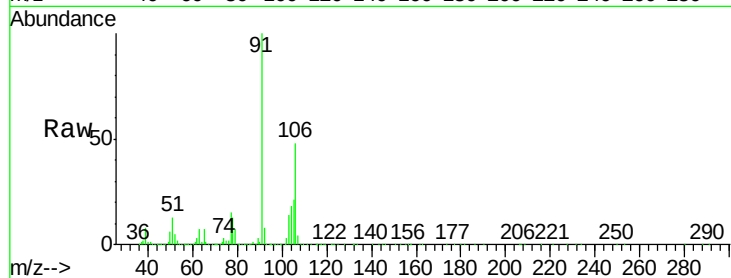
#69
o-Xylene
Concen: 19.471 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	125799		
91	209.0	105.5	316.4	

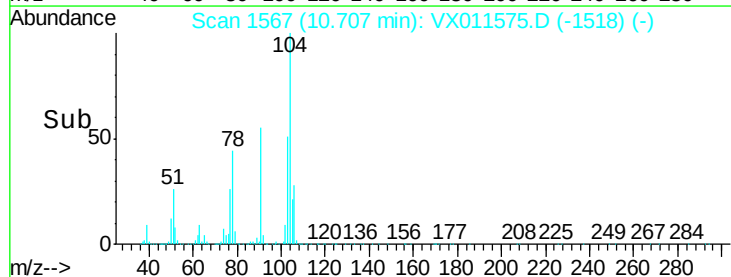
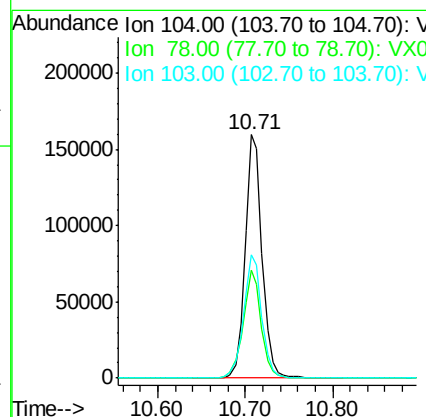
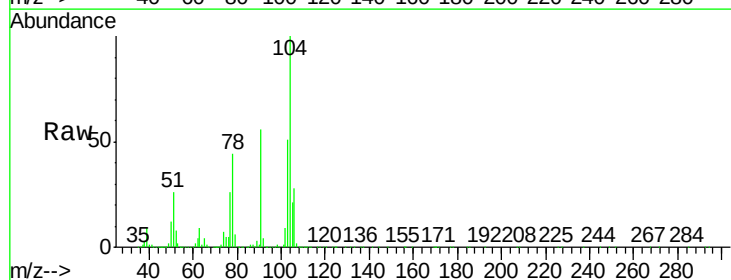
Manual Integrations
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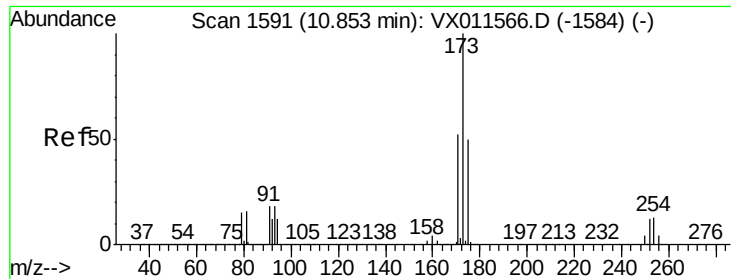
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#70
Styrene
Concen: 19.820 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	215564		
78	47.2	38.2	57.4	
103	54.6	43.6	65.4	





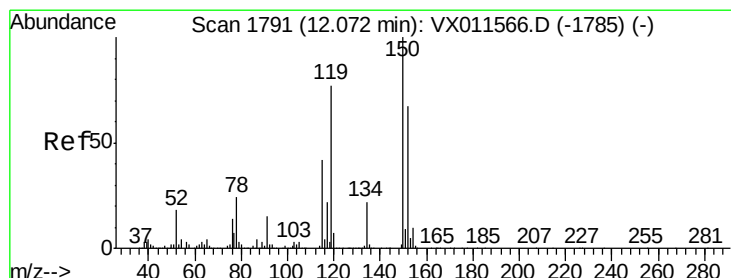
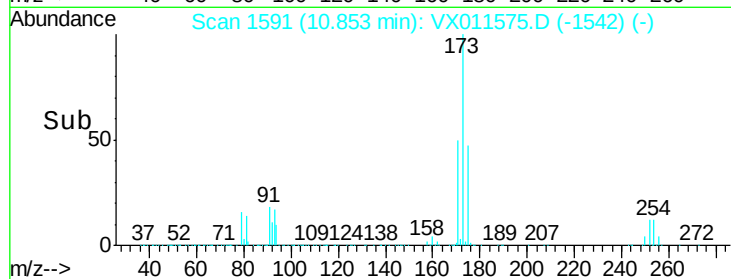
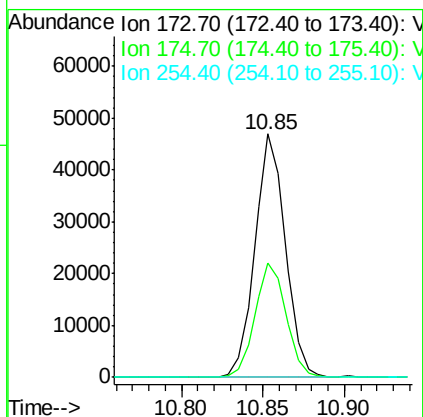
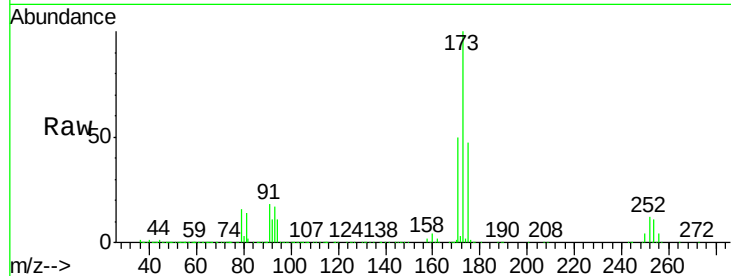
#71
Bromoform
Concen: 18.538 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.9	74.7
254	0.2	0.1	0.1#

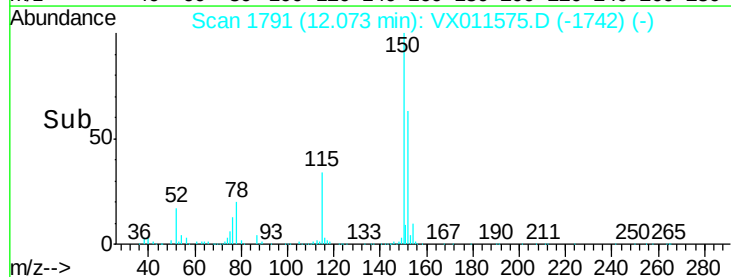
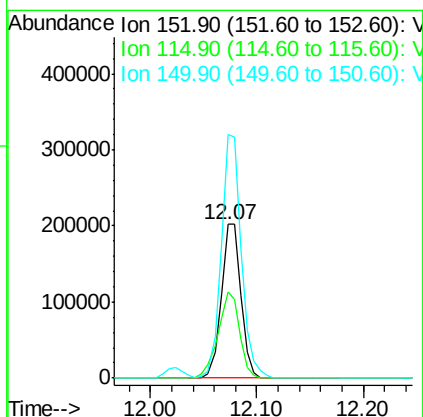
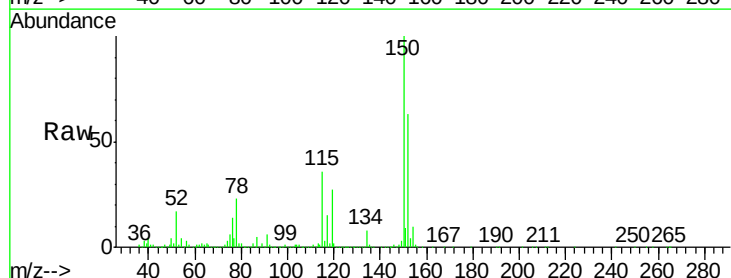
Manual Integrations
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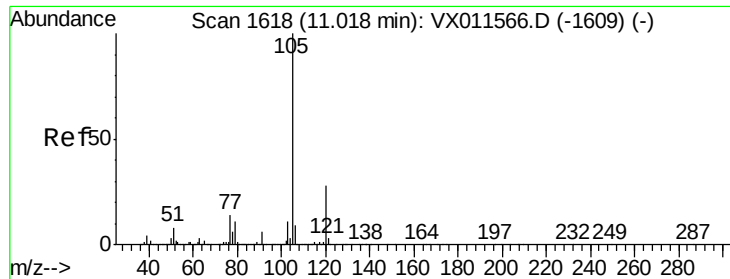
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	37.3	111.9
150	162.1	0.0	346.2





#73

Isopropylbenzene

Concen: 20.108 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion: 105 Resp: 337987

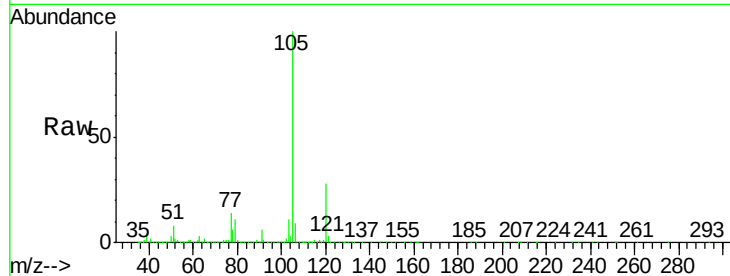
Ion Ratio Lower Upper

105 100

120 27.6 14.0 41.9

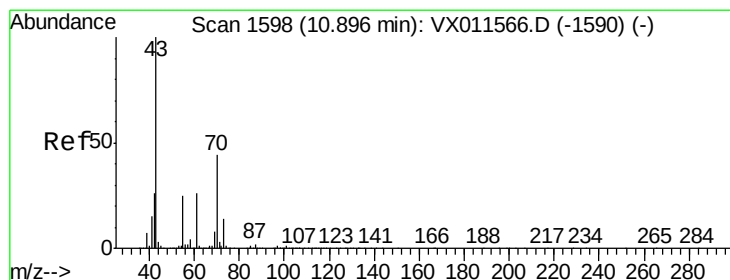
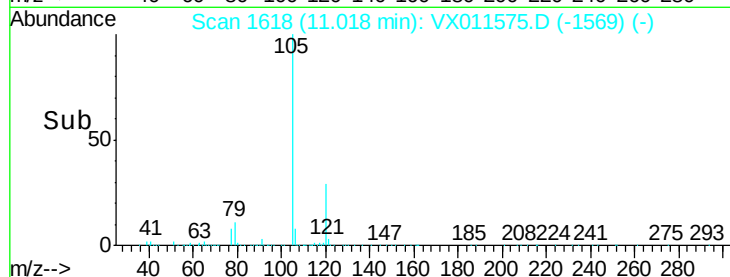
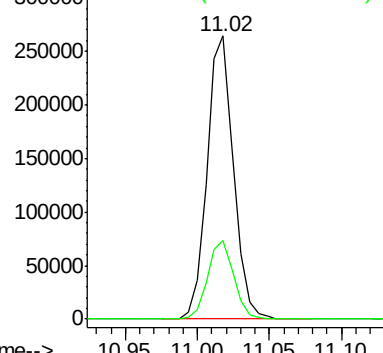
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.542 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tgt Ion: 43 Resp: 132452

Ion Ratio Lower Upper

43 100

70 44.4 34.7 52.1

55 25.8 19.6 29.4

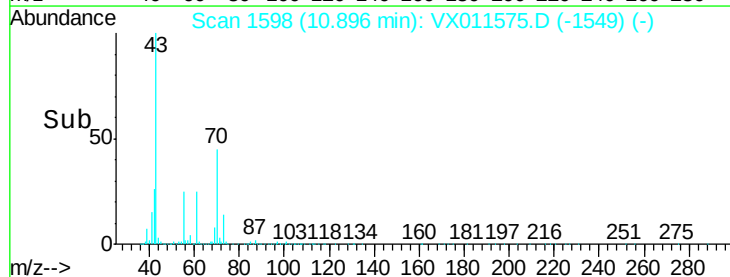
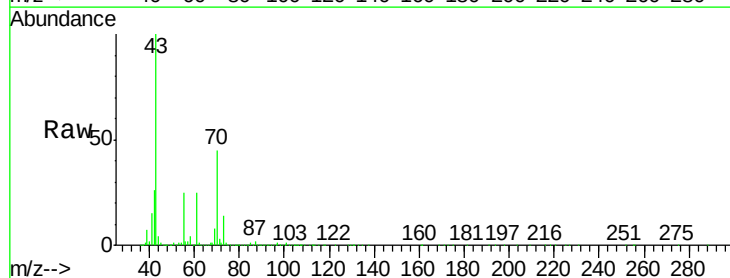
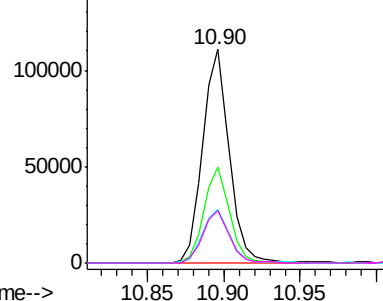
61 24.6 19.9 29.9

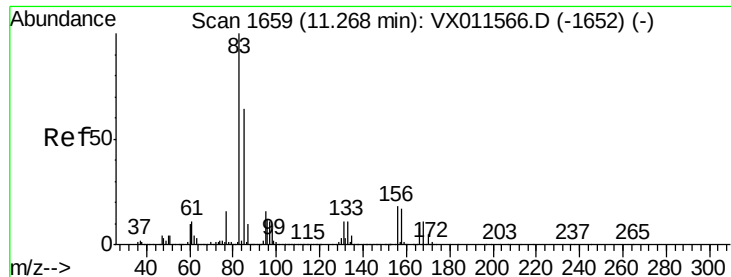
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.241 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion: 83 Resp: 111258

Ion Ratio Lower Upper

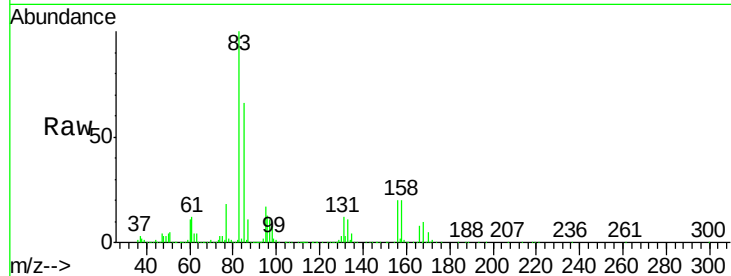
83 100

131 11.8 5.8 17.3

85 65.0 31.9 95.9

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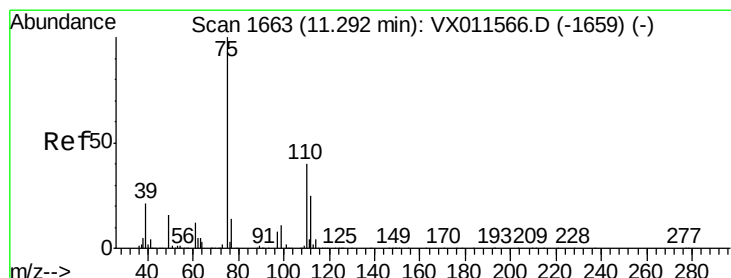
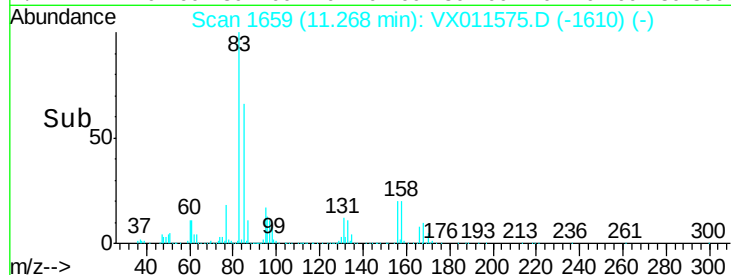
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.674 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011575.D

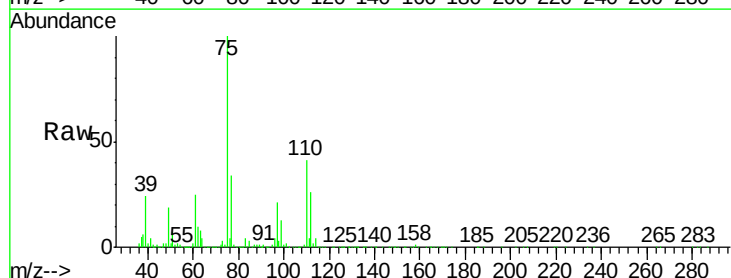
Acq: 16 Aug 2019 12:53

Tgt Ion: 75 Resp: 96640

Ion Ratio Lower Upper

75 100

77 41.8 20.9 62.8

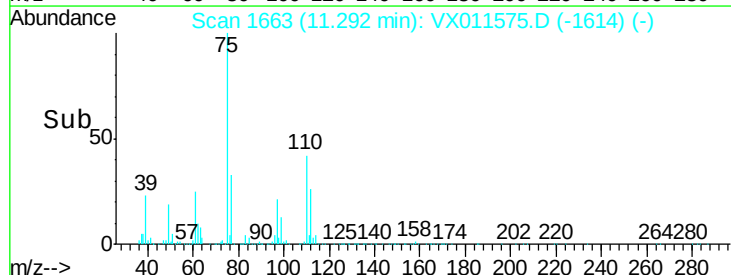


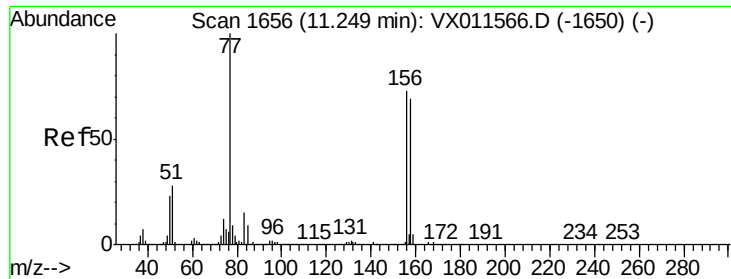
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.29

Time-->





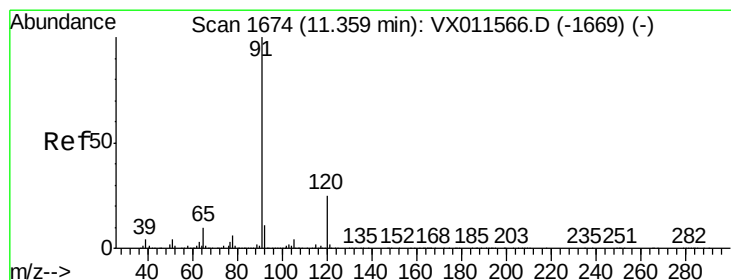
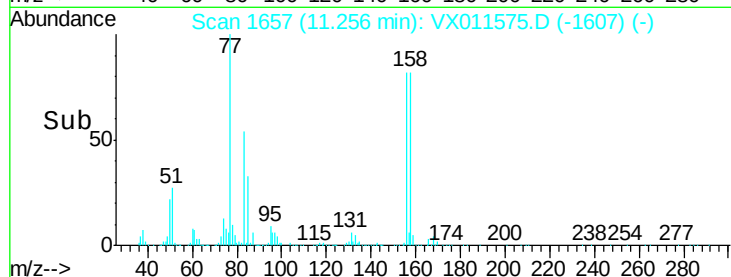
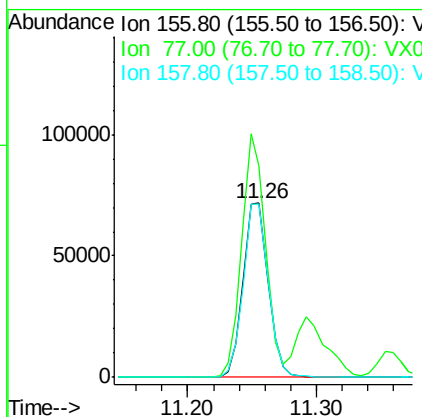
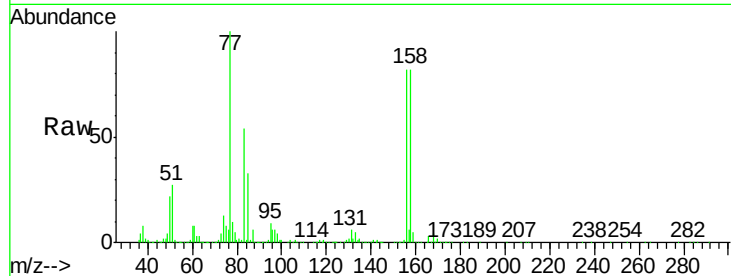
#77
Bromobenzene
Concen: 19.347 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.01 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.8	64.6	193.9
158	99.4	48.4	145.3

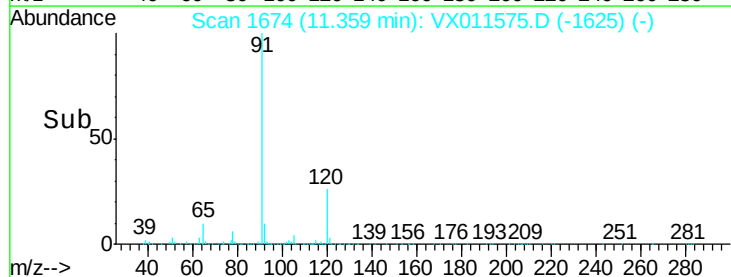
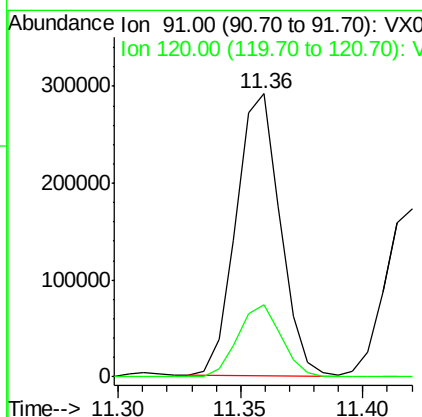
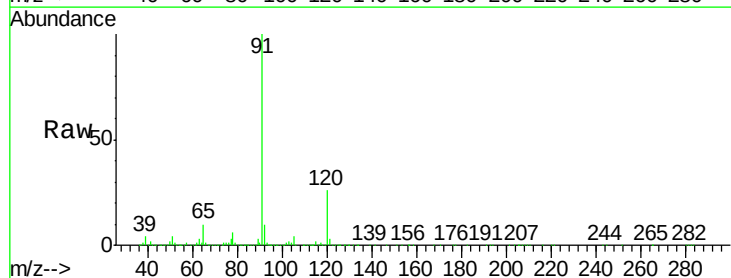
Manual Integrations
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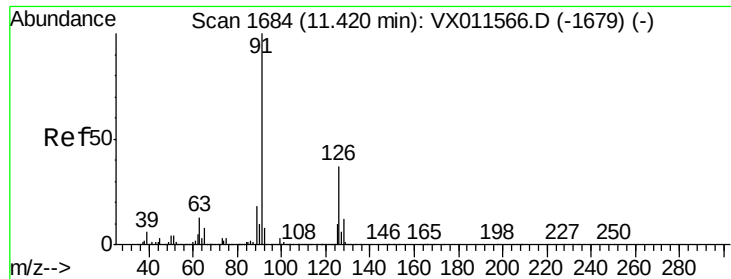
MMDadoda
8/19/2019 10:29:56 AM



#78
n-propylbenzene
Concen: 20.139 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	12.6	37.6





#79

2-Chlorotoluene

Concen: 19.984 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion: 91 Resp: 222416

Ion Ratio Lower Upper

91 100

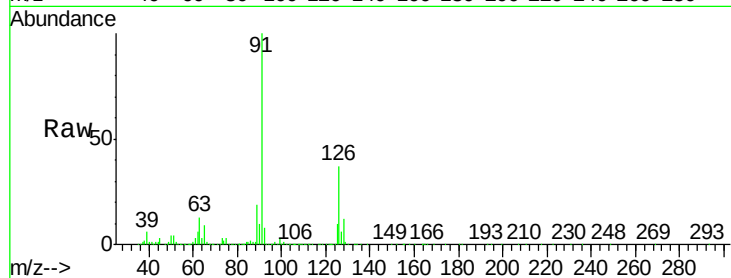
126 36.7 18.4 55.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011566.D (-1679) (-)

300000

200000

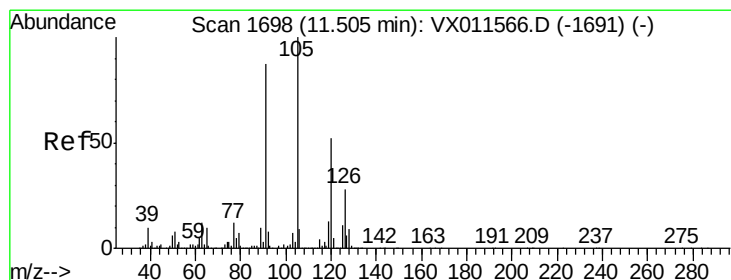
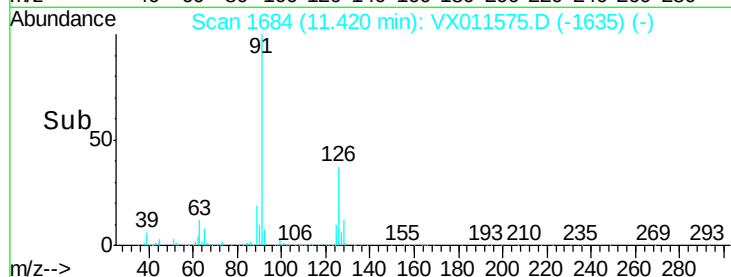
100000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.307 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011575.D

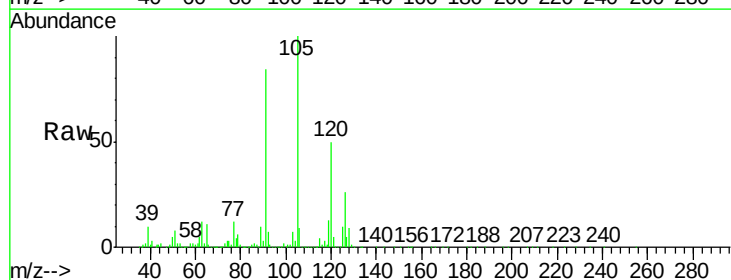
Acq: 16 Aug 2019 12:53

Tgt Ion: 105 Resp: 286736

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1691) (-)

250000

200000

150000

100000

50000

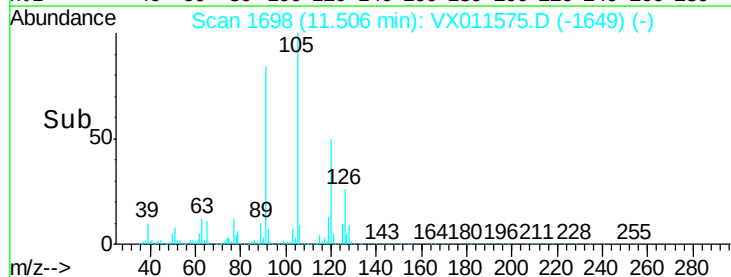
0

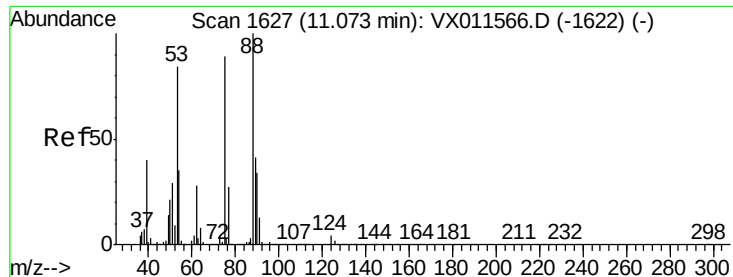
11.51

11.55

11.60

Time-->





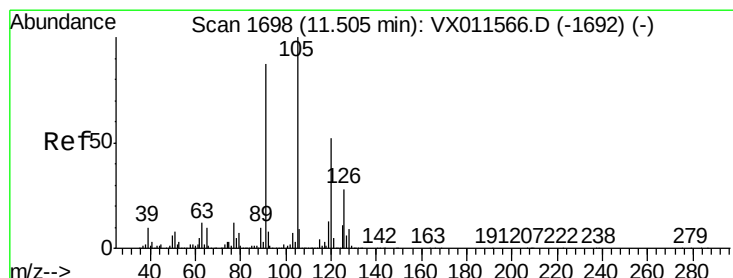
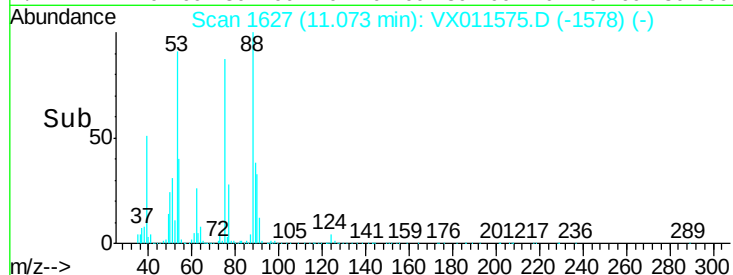
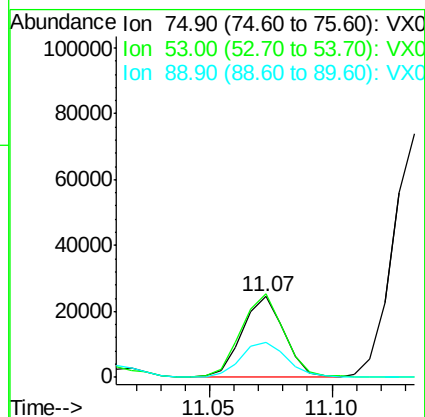
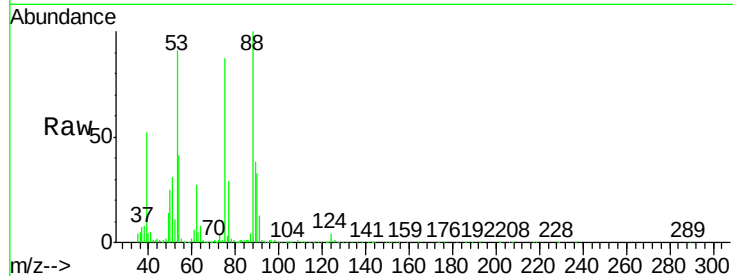
#81
trans-1,4-Dichloro-2-butene
Concen: 19.081 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.3	77.4	116.0
89	48.7	37.3	55.9

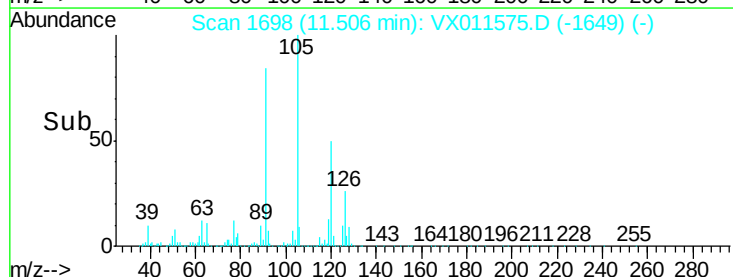
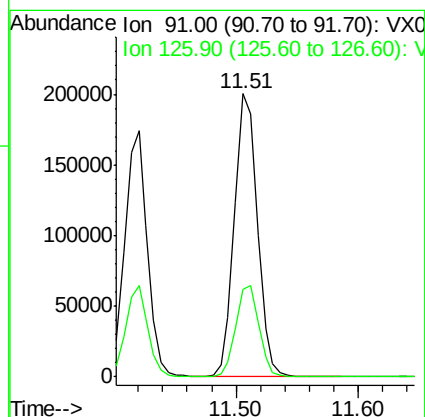
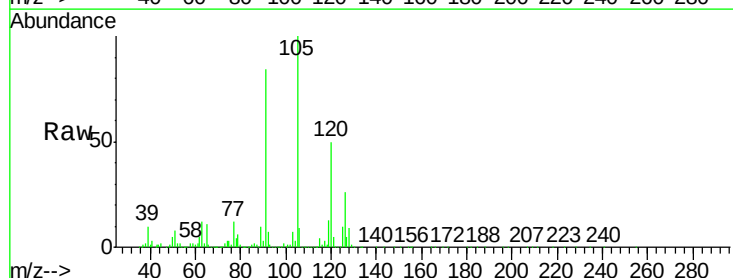
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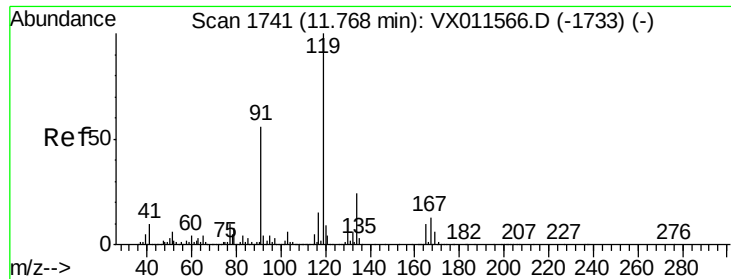
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8/19/2019 10:29:56 AM



#82
4-Chlorotoluene
Concen: 20.079 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





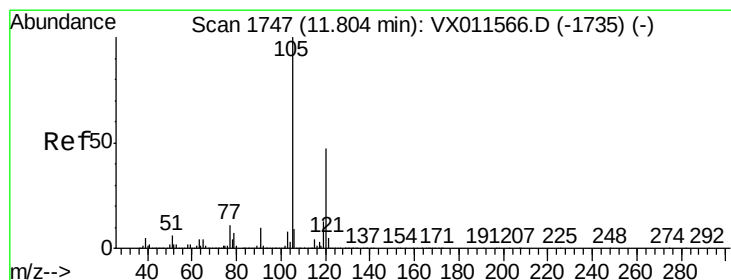
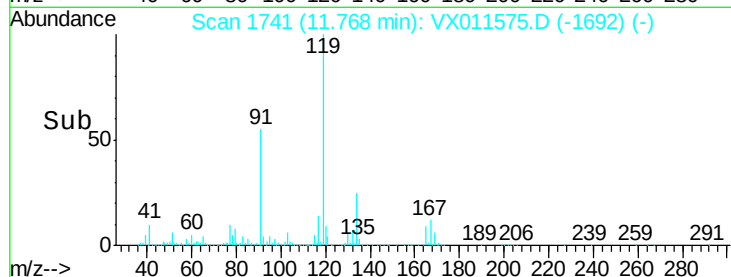
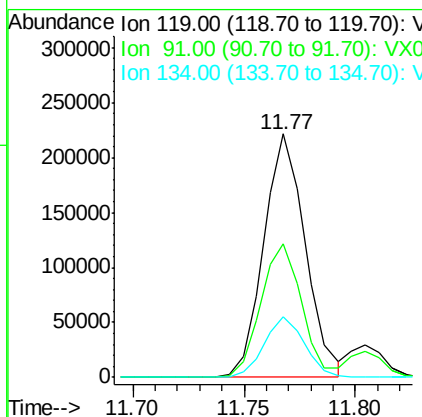
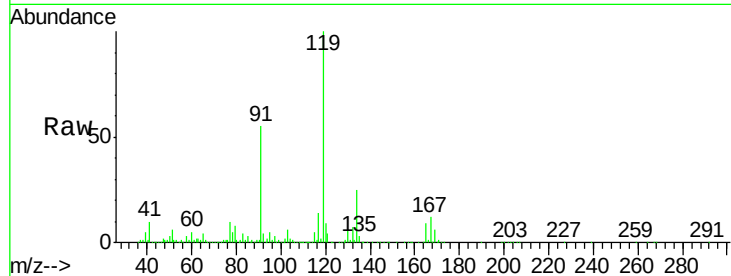
#83
 tert-Butylbenzene
 Concen: 20.010 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	287768		
91	54.3		27.1	81.3
134	24.1		11.8	35.3

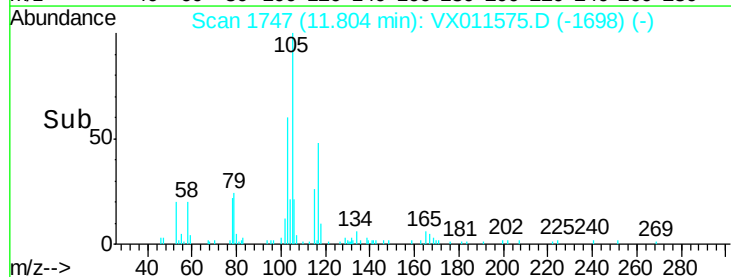
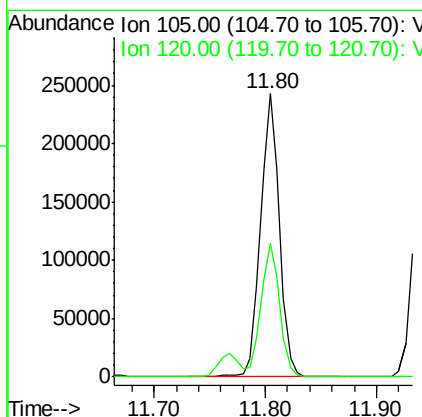
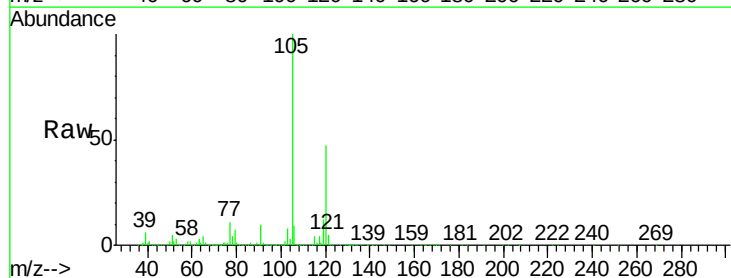
Manual Integrations
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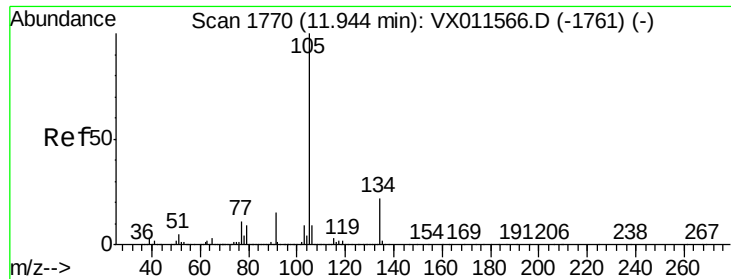
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.324 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	288106		
120	46.7		23.3	69.9





#85

sec-Butylbenzene

Concen: 20.004 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBS01

Tot Ion:105 Resp: 324576

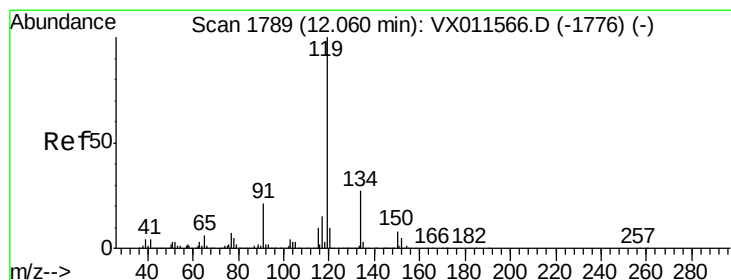
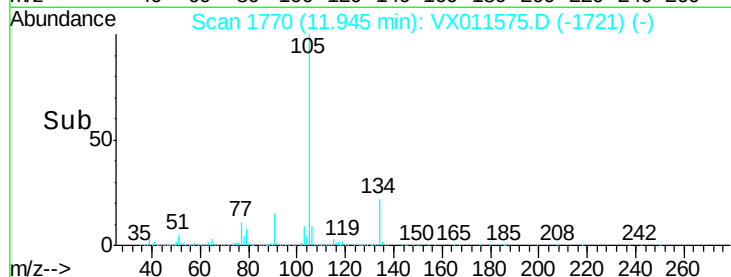
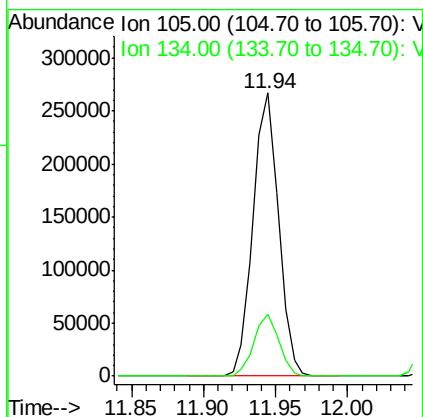
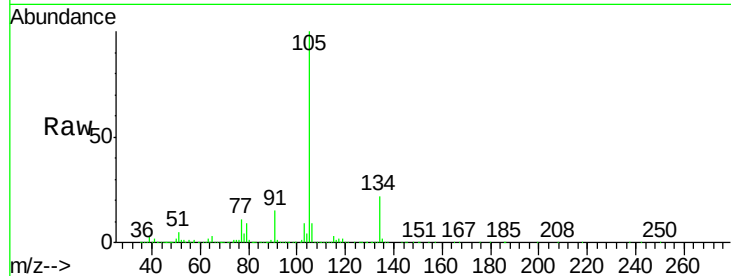
Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 20.265 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

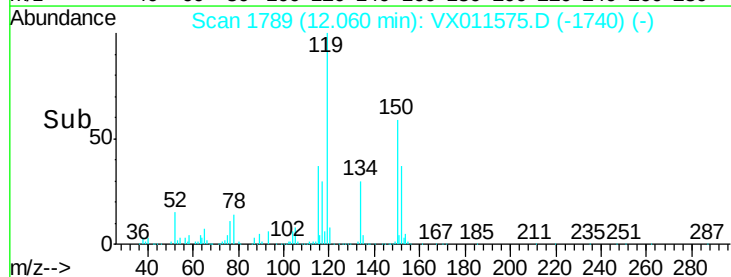
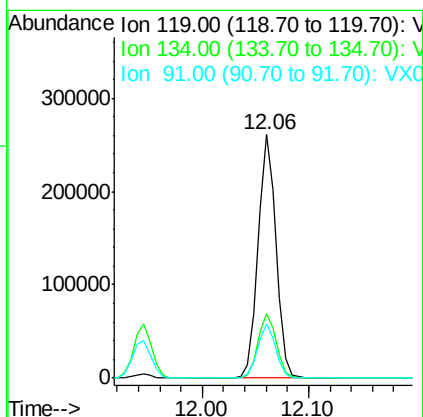
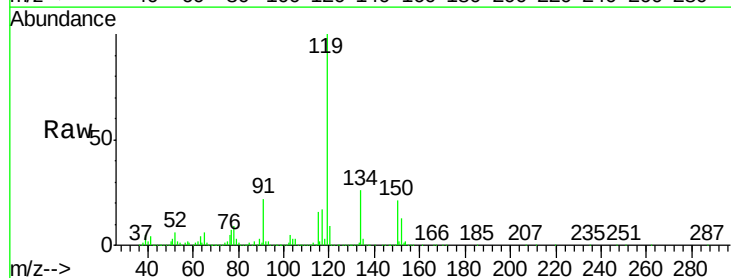
Tgt Ion:119 Resp: 309332

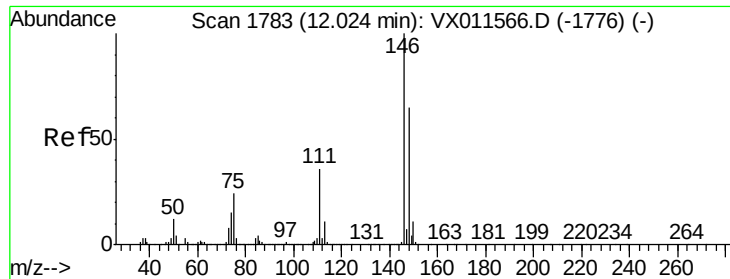
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 22.2 10.9 32.9





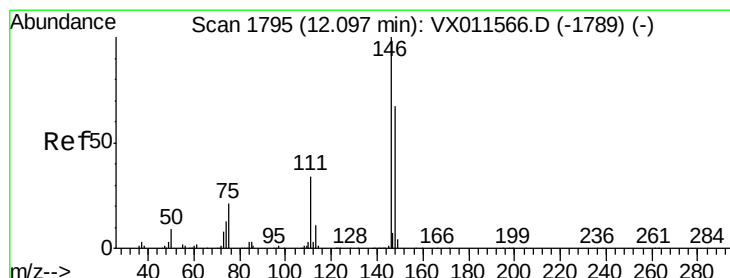
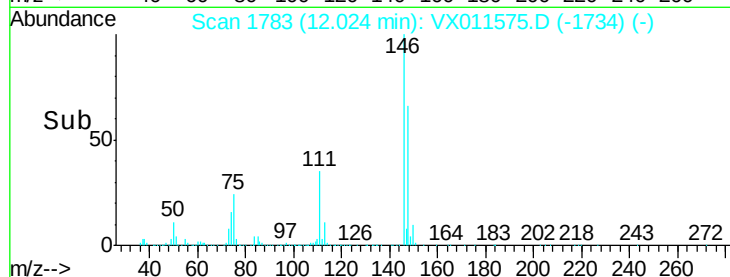
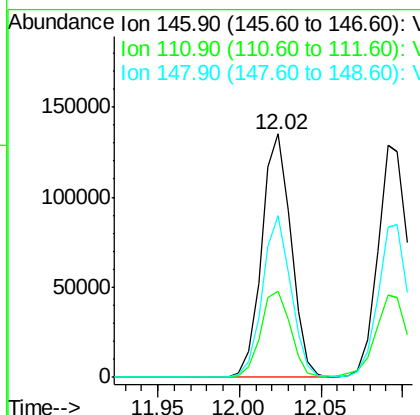
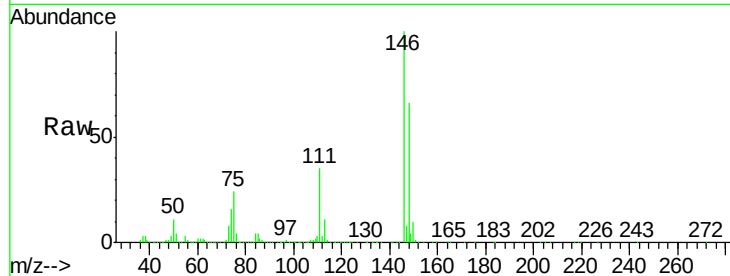
#87
 1,3-Dichlorobenzene
 Concen: 19.626 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168700		
111	36.5	18.1	54.4	
148	64.5	32.0	96.0	

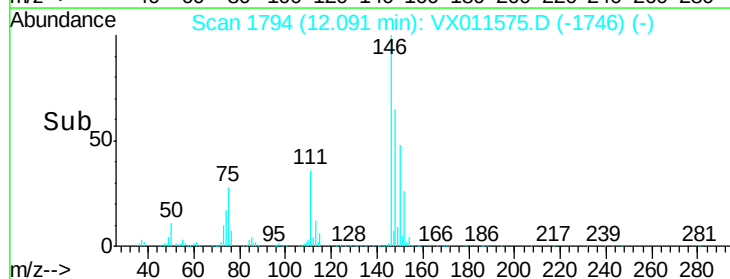
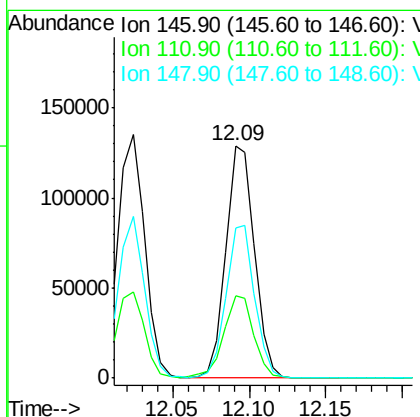
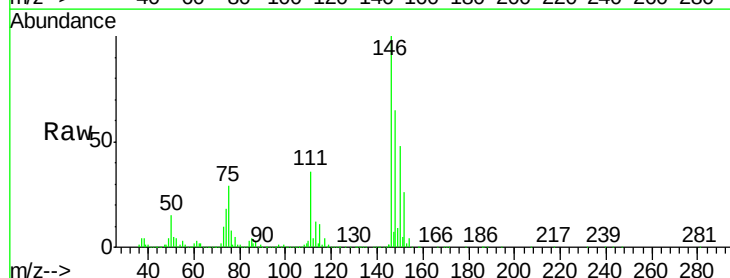
Manual Integrations
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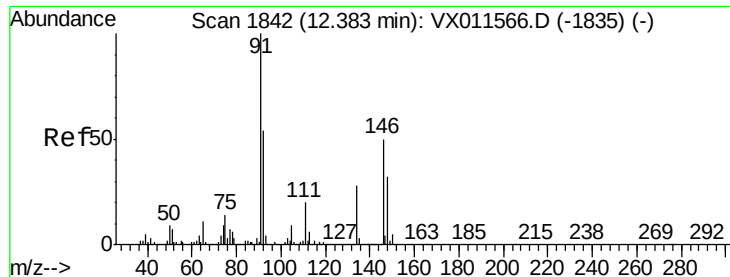
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#88
 1,4-Dichlorobenzene
 Concen: 19.112 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	166507		
111	37.5	17.9	53.7	
148	65.5	32.5	97.5	





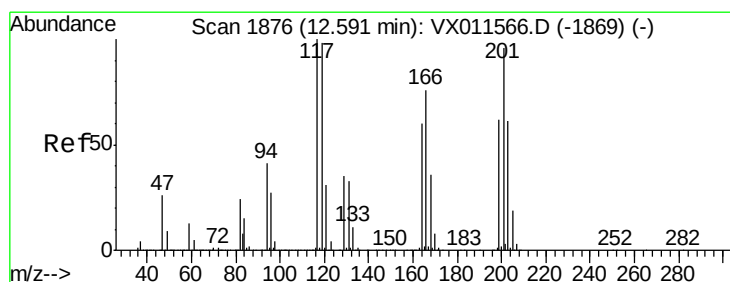
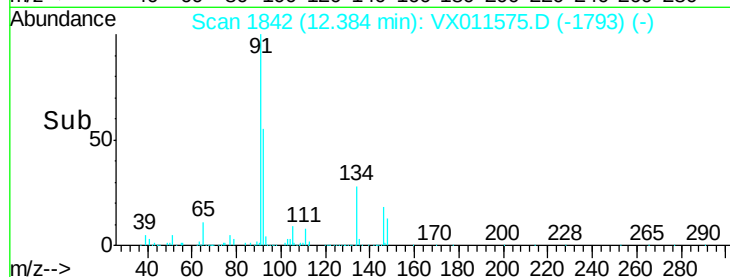
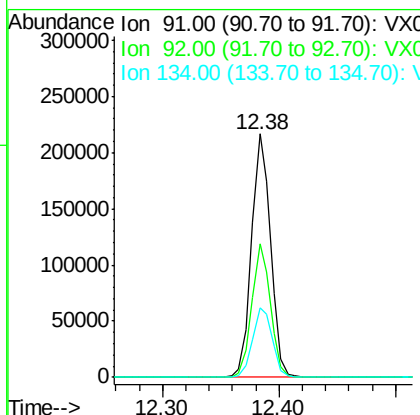
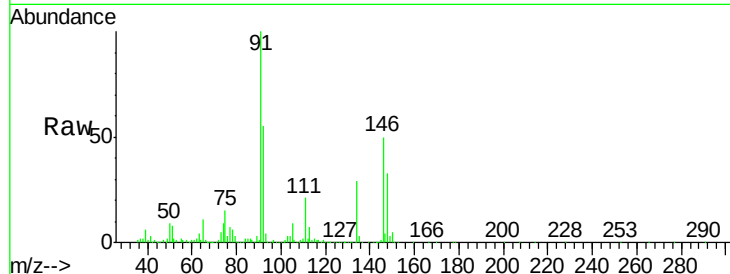
#89
n-Butylbenzene
Concen: 19.748 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	247822		
92	53.6	26.8	80.3	
134	29.5	14.6	44.0	

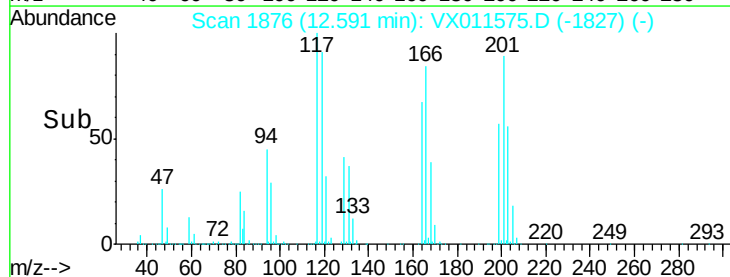
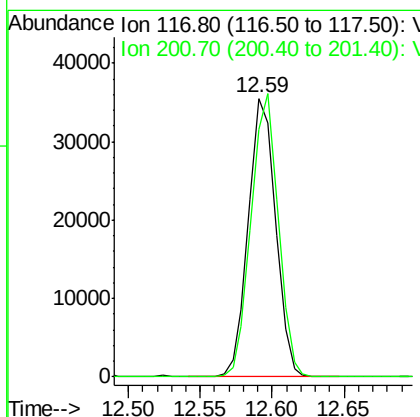
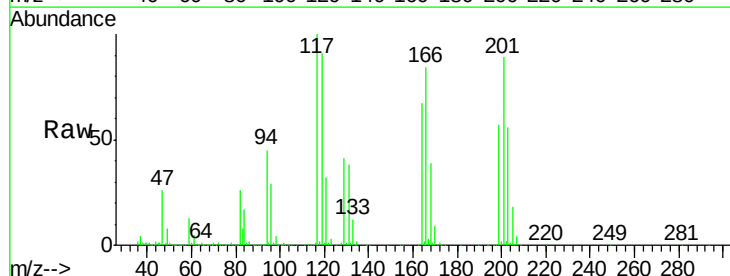
Manual Integrations
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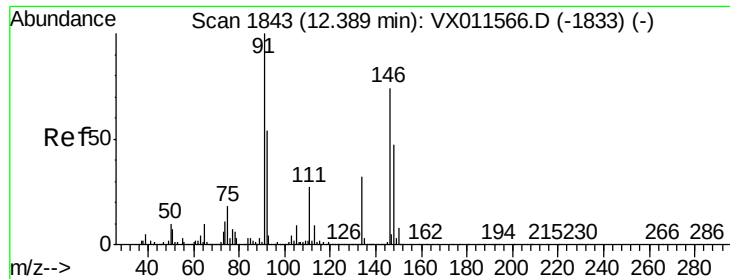
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#90
Hexachloroethane
Concen: 19.351 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011575.D
Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46644		
201	100.4	51.9	155.7	





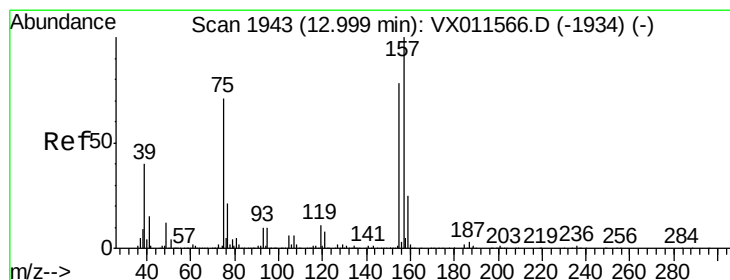
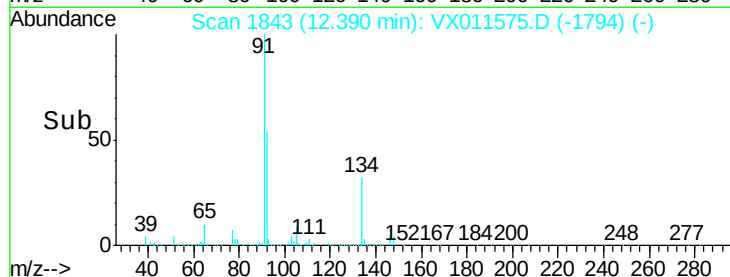
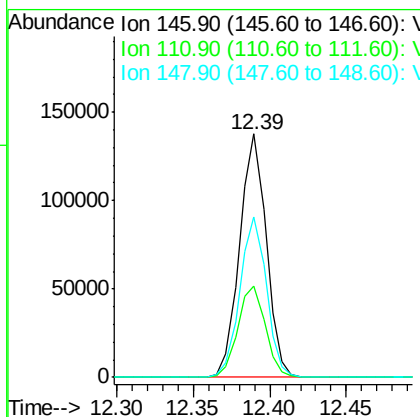
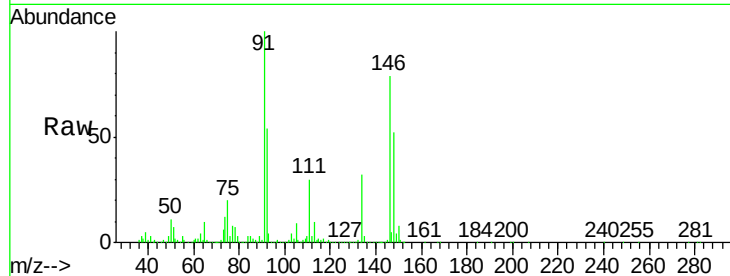
#91
 1,2-Dichlorobenzene
 Concen: 19.374 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167175		
111	38.8	18.9	56.7	
148	65.6	31.9	95.9	

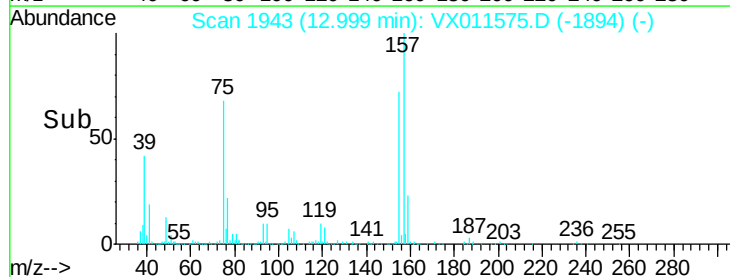
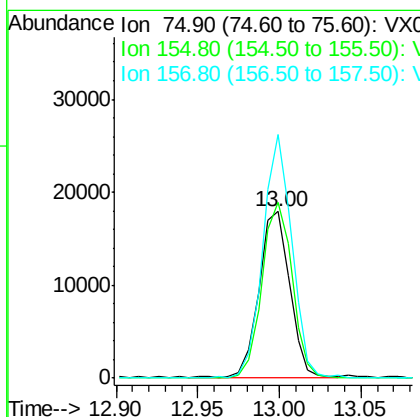
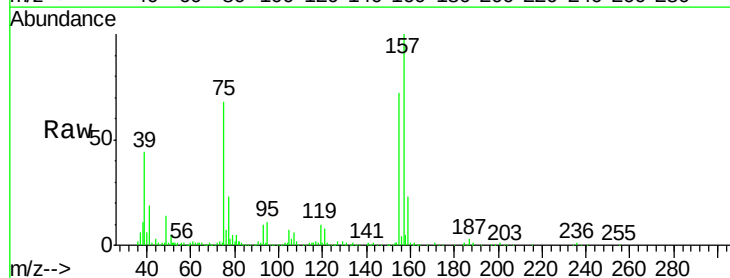
Manual Integrations
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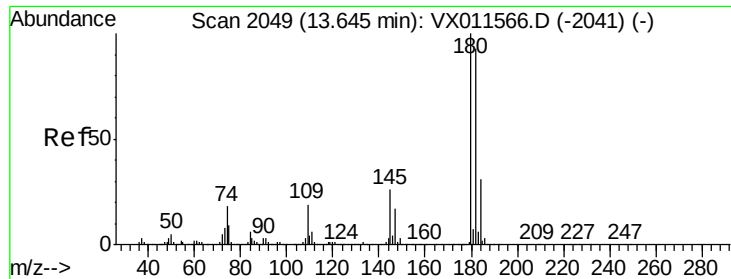
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.820 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23574		
155	104.2	53.0	159.0	
157	138.2	68.3	205.1	





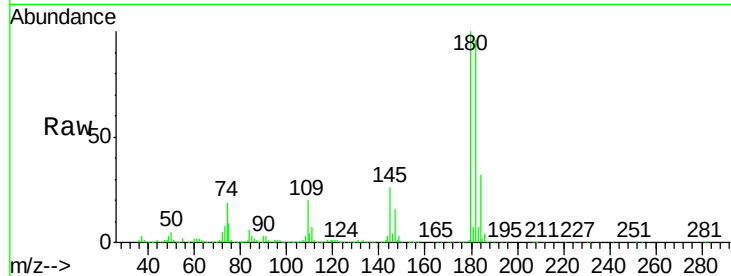
#93
 1,2,4-Trichlorobenzene
 Concen: 19.341 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBS01

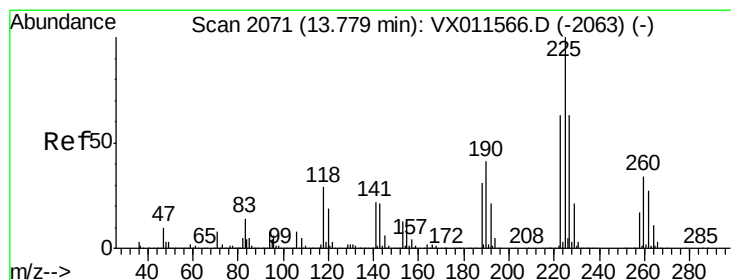
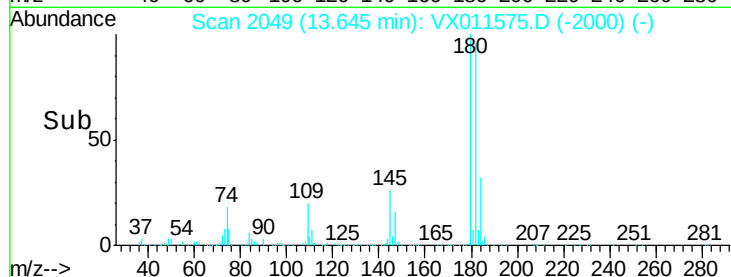
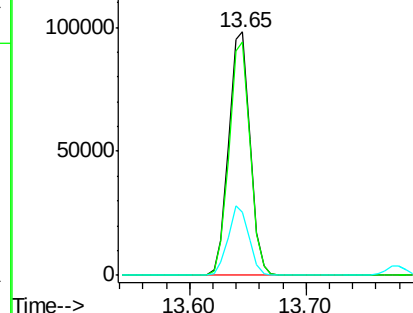
Tot Ion	Ratio	Resp	Lower	Upper
180	100	124347		
182	94.9	47.3	142.0	
145	27.6	13.6	40.8	

Manual Integrations
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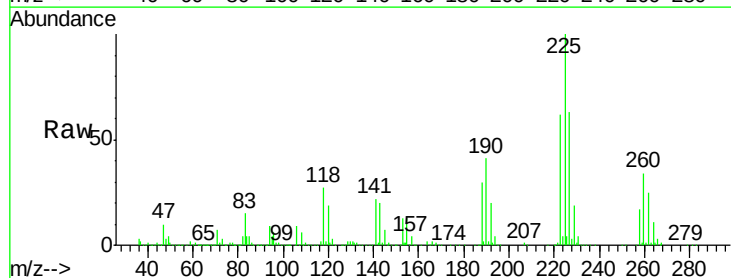


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

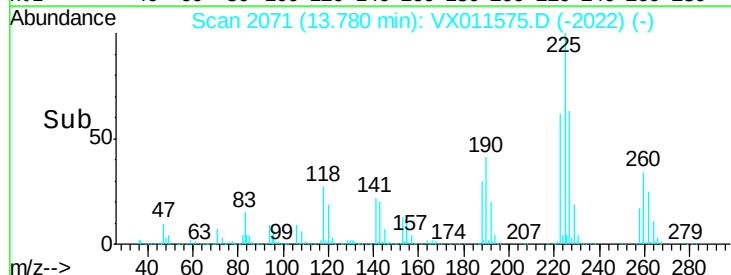
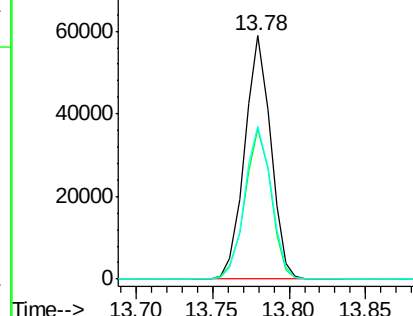


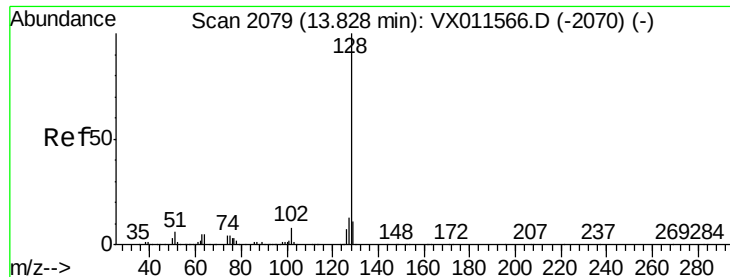
#94
 Hexachlorobutadiene
 Concen: 19.890 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011575.D
 Acq: 16 Aug 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69632		
223	61.9	31.4	94.0	
227	64.2	31.2	93.6	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.514 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Instrument :

MSVOA_X

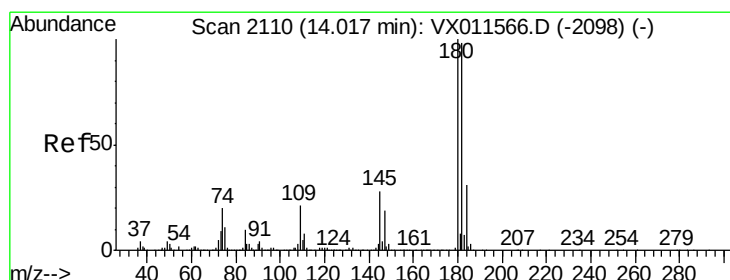
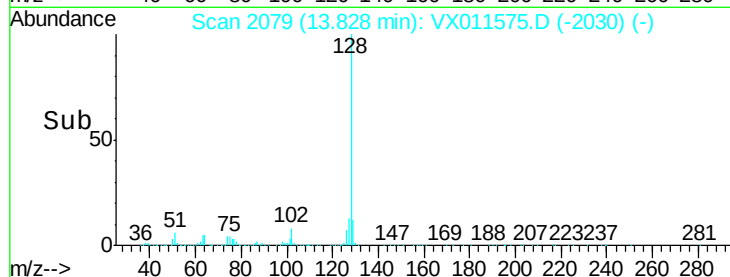
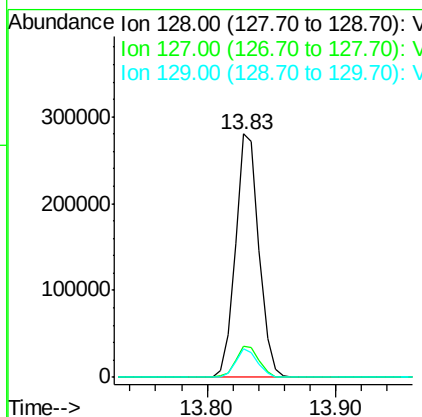
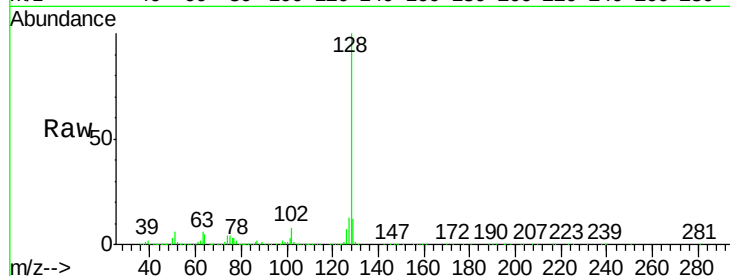
ClientSampleId :

VX0816MBS01

Tot Ion:	128	Resp:	354677
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:29:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.012 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011575.D

Acq: 16 Aug 2019 12:53

Tgt Ion:	180	Resp:	129776
Ion Ratio	Lower	Upper	
180	100		
182	93.3	48.0	144.0
145	28.4	14.6	43.8

