

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011750.D
 Acq On : 22 Aug 2019 09:43
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:45 PM

Quant Time: Aug 23 01:41:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	405662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	540293	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	493625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	258147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	75814	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
35) Dibromofluoromethane	5.49	113	64912	18.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.26%	
50) Toluene-d8	8.71	98	237772	20.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.40%	
62) 4-Bromofluorobenzene	11.13	95	86584	18.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	81541	20.650	ug/l	99
3) Chloromethane	1.32	50	67199	16.589	ug/l	98
4) Vinyl Chloride	1.40	62	63794	17.438	ug/l	100
5) Bromomethane	1.64	94	36774	21.673	ug/l	98
6) Chloroethane	1.72	64	38050	20.883	ug/l	97
7) Trichlorofluoromethane	1.93	101	102457	19.661	ug/l	99
8) Diethyl Ether	2.18	74	35033	19.775	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63162	17.803	ug/l	97
10) Methyl Iodide	2.50	142	78898	16.044	ug/l	98
11) Tert butyl alcohol	3.03	59	80258	88.992	ug/l	98
12) 1,1-Dichloroethene	2.37	96	60912	17.825	ug/l	94
13) Acrolein	2.29	56	25119	81.541	ug/l	98
14) Allyl chloride	2.72	41	99012	17.461	ug/l	99
15) Acrylonitrile	3.13	53	183262	88.341	ug/l	97
16) Acetone	2.43	43	187624	99.702	ug/l	99
17) Carbon Disulfide	2.56	76	153091	18.718	ug/l	100
18) Methyl Acetate	2.76	43	100668	17.587	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	202846	18.261	ug/l	97
20) Methylene Chloride	2.85	84	68561	17.383	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	66194	18.152	ug/l	93
22) Diisopropyl ether	3.85	45	194691	17.428	ug/l	95
23) Vinyl Acetate	3.81	43	794425	89.123	ug/l	100
24) 1,1-Dichloroethane	3.69	63	111653	17.485	ug/l	99
25) 2-Butanone	4.67	43	257973	89.137	ug/l	99
26) 2,2-Dichloropropane	4.58	77	88519	18.141	ug/l #	74
27) cis-1,2-Dichloroethene	4.59	96	74144	17.573	ug/l	99
28) Bromochloromethane	5.01	49	53803	19.101	ug/l	98
29) Tetrahydrofuran	5.12	42	164568	86.552	ug/l	99
30) Chloroform	5.21	83	118634	17.590	ug/l	97
31) Cyclohexane	5.57	56	101607	18.461	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	105704	18.142	ug/l	99
36) 1,1-Dichloropropene	5.79	75	86876	19.111	ug/l	97
37) Ethyl Acetate	4.82	43	92662	17.822	ug/l	100
38) Carbon Tetrachloride	5.78	117	93711	18.651	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	104849	18.503	ug/l	97
40) Benzene	6.13	78	251467	17.833	ug/l	99
41) Methacrylonitrile	5.03	41	51349	18.048	ug/l	97
42) 1,2-Dichloroethane	6.18	62	92519	18.767	ug/l	100
43) Isopropyl Acetate	6.44	43	143059	17.583	ug/l	99
44) Trichloroethene	7.21	130	79027	18.718	ug/l	97
45) 1,2-Dichloropropane	7.51	63	64471	18.323	ug/l	96
46) Dibromomethane	7.66	93	46666	18.096	ug/l	98
47) Bromodichloromethane	7.89	83	84918	17.995	ug/l	100
48) Methyl methacrylate	7.77	41	73647	18.296	ug/l	99
49) 1,4-Dioxane	7.73	88	39413	367.016	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	494759	93.328	ug/l	100
52) Toluene	8.78	92	172106	19.029	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	90293	18.447	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	101391	18.970	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	72001	18.773	ug/l	99
56) Ethyl methacrylate	9.18	69	102150	18.347	ug/l	99
57) 1,3-Dichloropropane	9.37	76	112703	18.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	268633	95.799	ug/l	100
59) 2-Hexanone	9.49	43	380137	92.853	ug/l	99
60) Dibromochloromethane	9.58	129	74286	18.632	ug/l	97
61) 1,2-Dibromoethane	9.67	107	76881	18.752	ug/l	100
64) Tetrachloroethene	9.34	164	80648	19.767	ug/l	95
65) Chlorobenzene	10.13	112	188066	18.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	70140	18.048	ug/l	99
67) Ethyl Benzene	10.25	91	315240	18.058	ug/l	97
68) m/p-Xylenes	10.35	106	246917	36.822	ug/l	98
69) o-Xylene	10.69	106	117932	17.940	ug/l	100
70) Styrene	10.71	104	197591	17.949	ug/l	99
71) Bromoform	10.85	173	57966	17.574	ug/l #	98
73) Isopropylbenzene	11.02	105	326001	19.690	ug/l	100
74) N-amyl acetate	10.90	43	125541	18.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	104741	18.594	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	91546m	19.028	ug/l	
77) Bromobenzene	11.26	156	93922	19.173	ug/l	99
78) n-propylbenzene	11.36	91	350619	19.643	ug/l	99
79) 2-Chlorotoluene	11.42	91	209056	19.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	270200	19.426	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27213	16.785	ug/l	87
82) 4-Chlorotoluene	11.51	91	244271	19.213	ug/l	99
83) tert-Butylbenzene	11.77	119	264397	18.732	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	277842	19.924	ug/l	98
85) sec-Butylbenzene	11.94	105	301987	19.036	ug/l	100
86) p-Isopropyltoluene	12.06	119	292350	19.483	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	159056	18.806	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	157143	18.340	ug/l	99
89) n-Butylbenzene	12.38	91	242670	19.644	ug/l	99
90) Hexachloroethane	12.59	117	43861	18.490	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	162952	19.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	23354	17.964	ug/l	98

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VSTDICC020

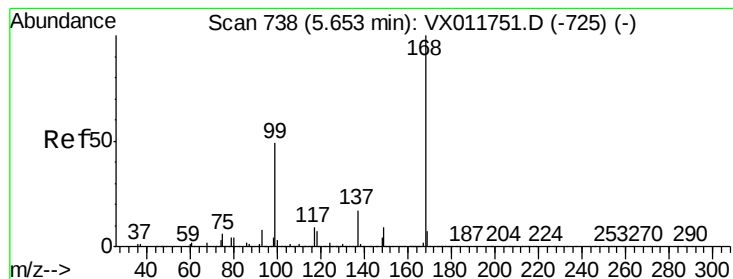
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:19:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114530	18.123	ug/l	99
94) Hexachlorobutadiene	13.78	225	59921	17.625	ug/l	99
95) Naphthalene	13.83	128	339012	19.151	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	121521	19.108	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 405662

Ion Ratio Lower Upper

168 100

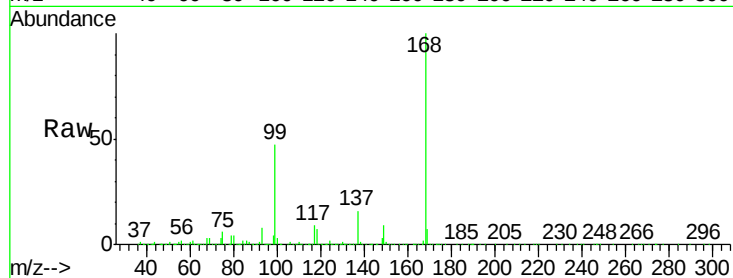
99 47.0 39.4 59.2

Manual Integrations

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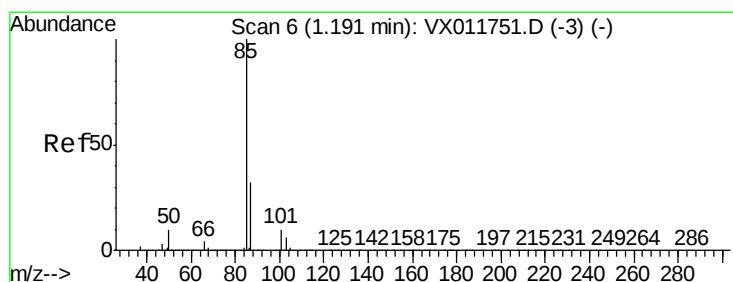
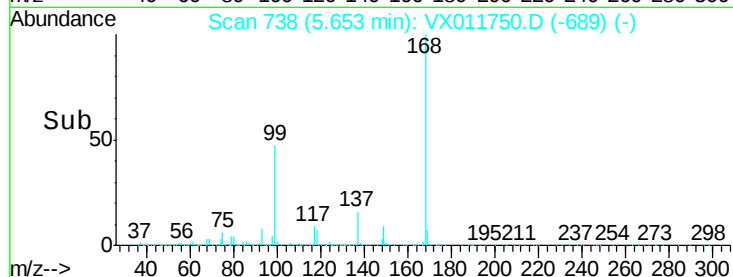
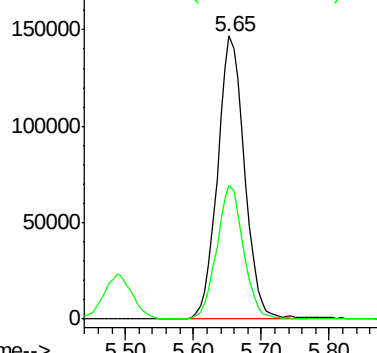
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.650 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011750.D

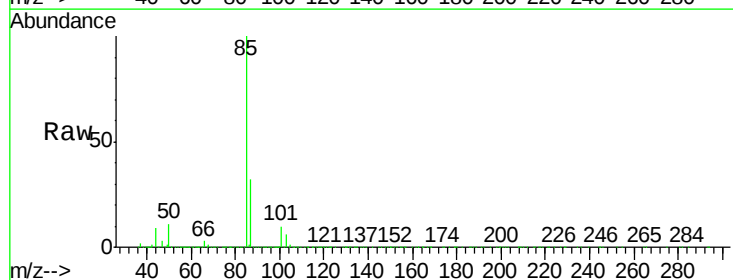
Acq: 22 Aug 2019 09:43

Tgt Ion: 85 Resp: 81541

Ion Ratio Lower Upper

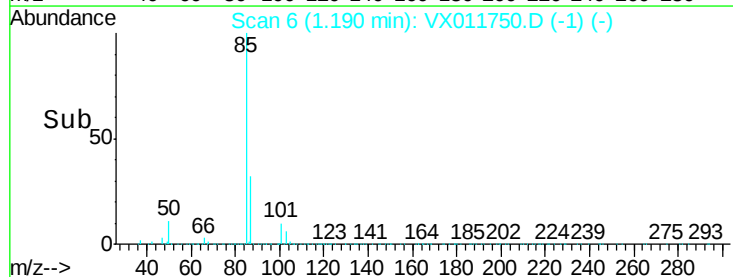
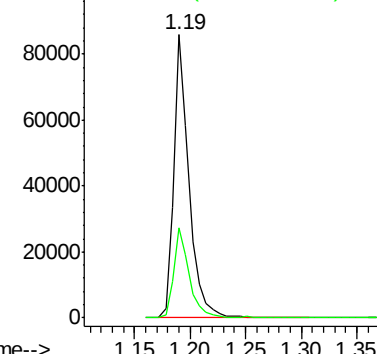
85 100

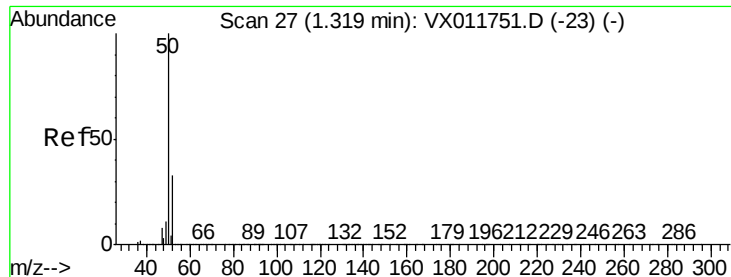
87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.589 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 67199

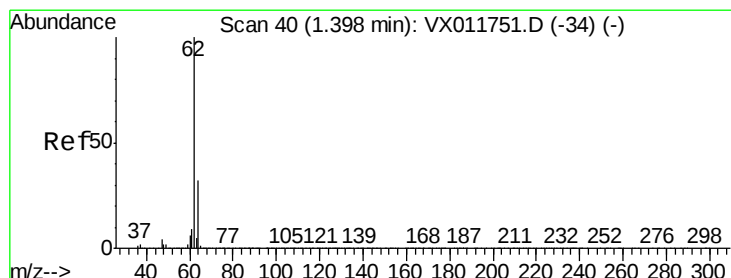
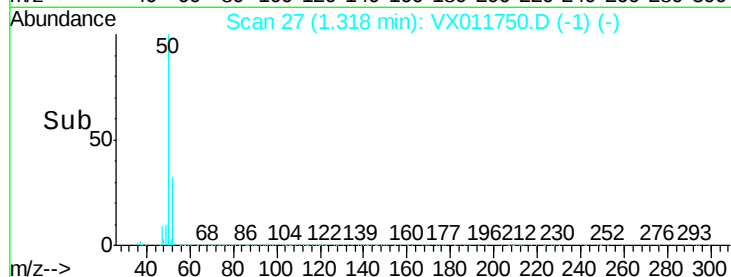
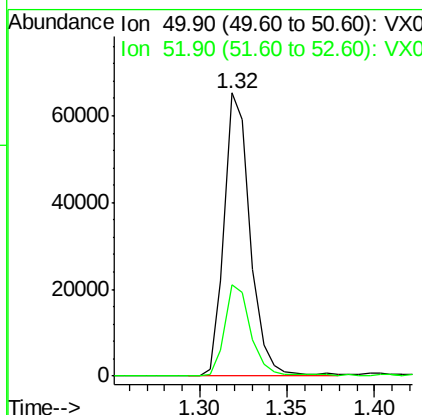
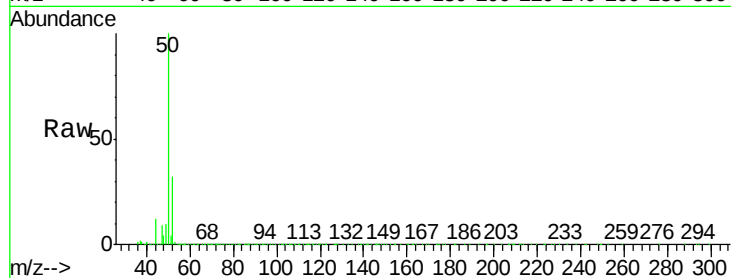
Ion Ratio Lower Upper

50 100

52 32.2 26.6 39.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.438 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011750.D

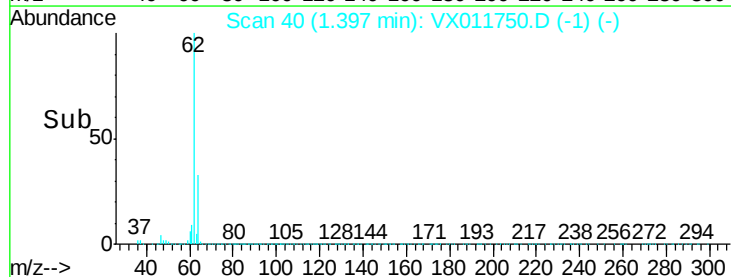
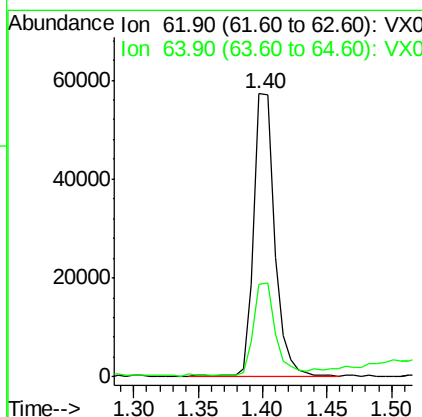
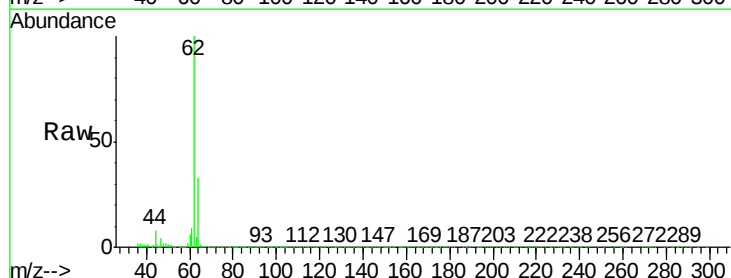
Acq: 22 Aug 2019 09:43

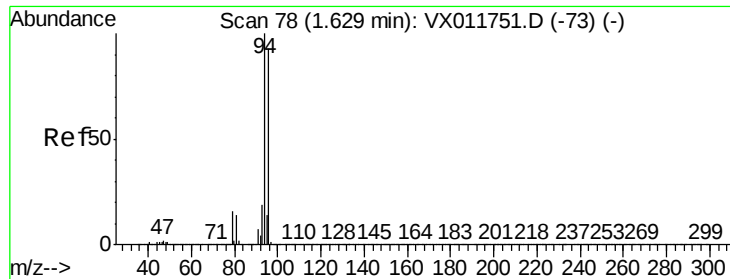
Tgt Ion: 62 Resp: 63794

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 21.673 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 36774

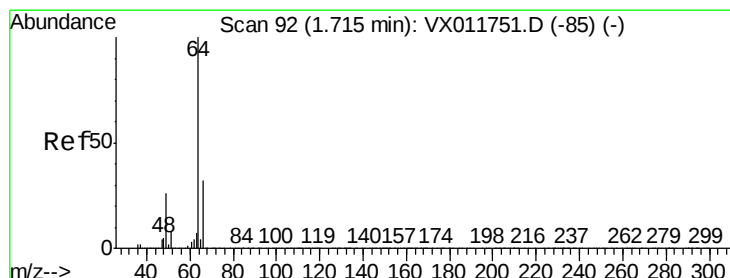
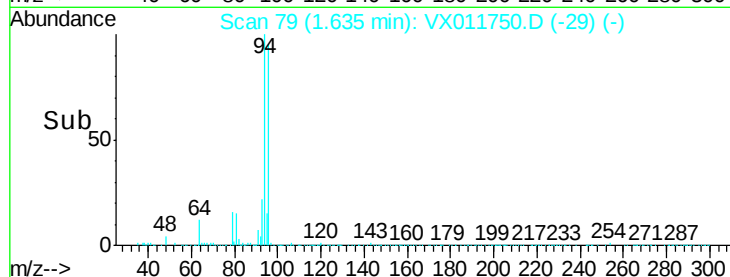
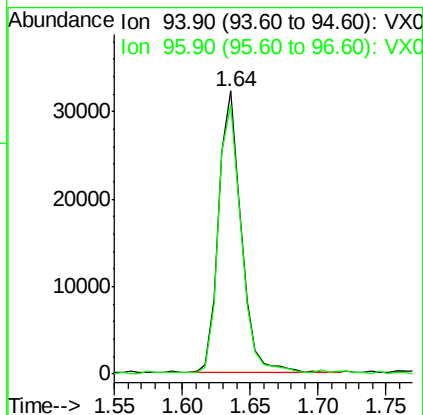
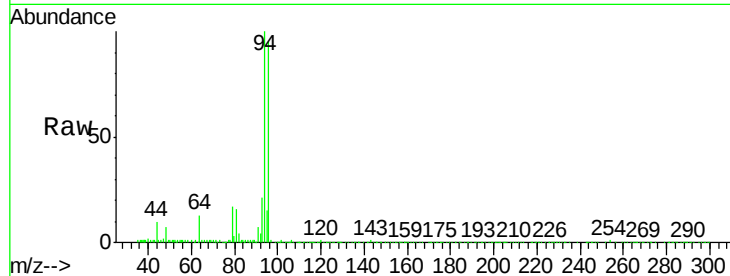
Ion Ratio Lower Upper

94 100

96 95.0 74.1 111.1

Manual Integrations
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#6

Chloroethane

Concen: 20.883 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011750.D

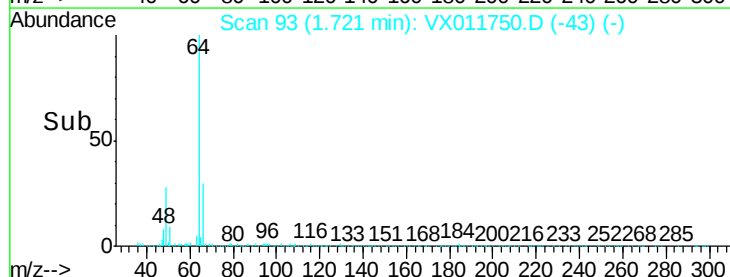
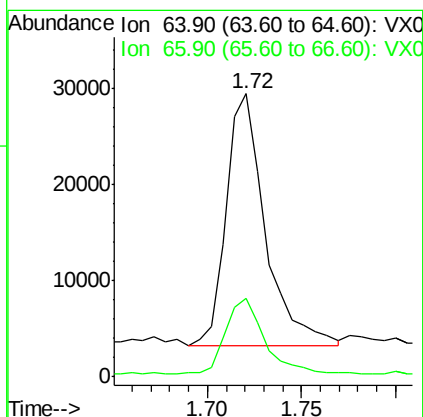
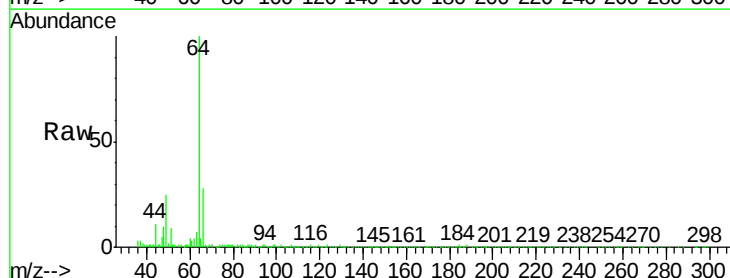
Acq: 22 Aug 2019 09:43

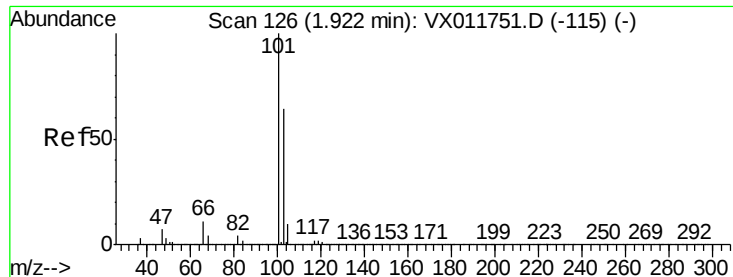
Tgt Ion: 64 Resp: 38050

Ion Ratio Lower Upper

64 100

66 29.2 24.9 37.3





#7

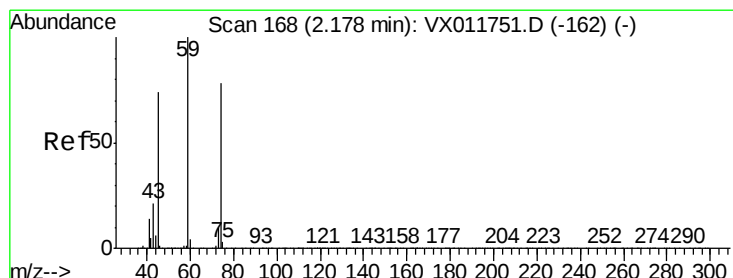
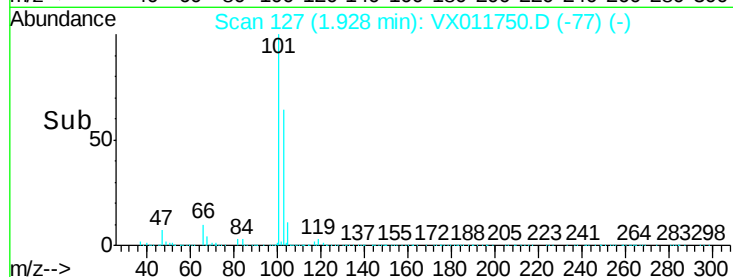
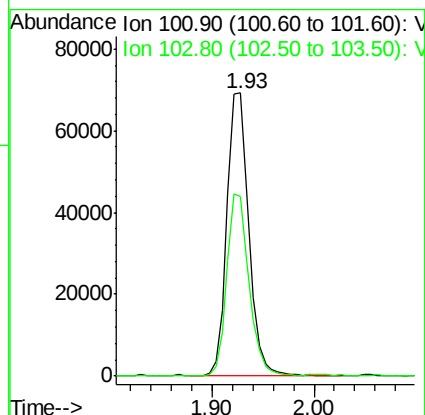
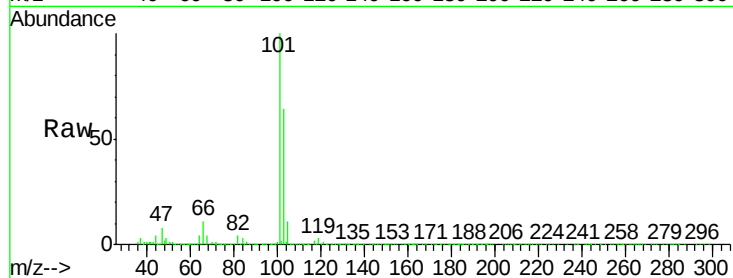
Trichlorofluoromethane
Concen: 19.661 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

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MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.2	76.8

Manual Integrations
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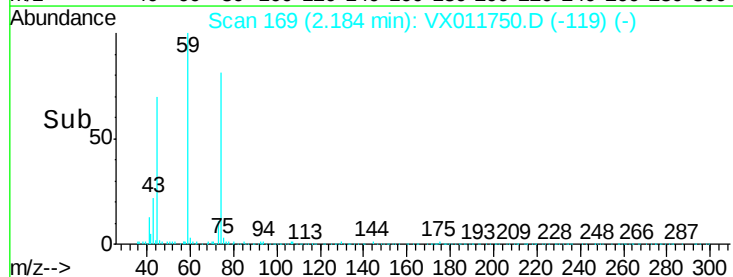
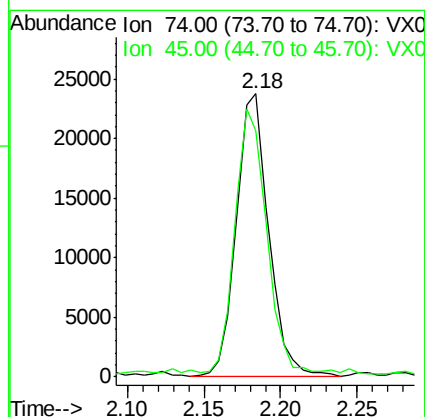
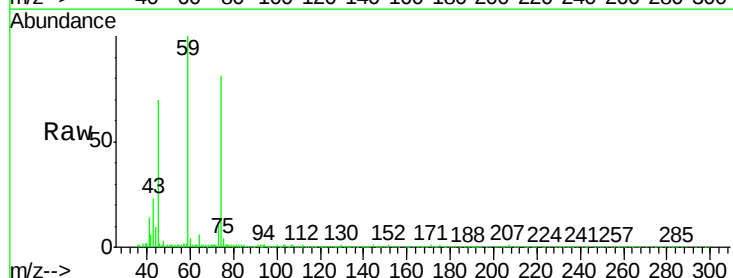
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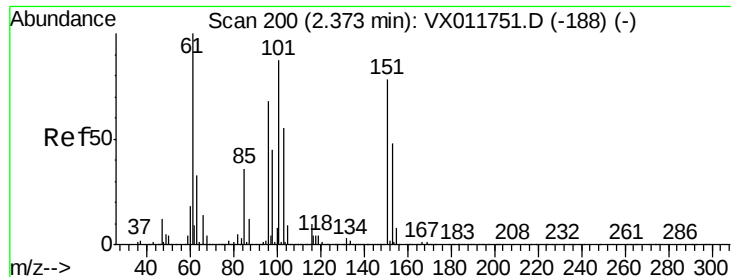


#8

Diethyl Ether
Concen: 19.775 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.803 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

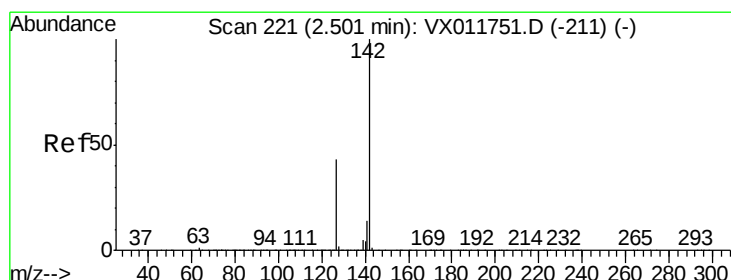
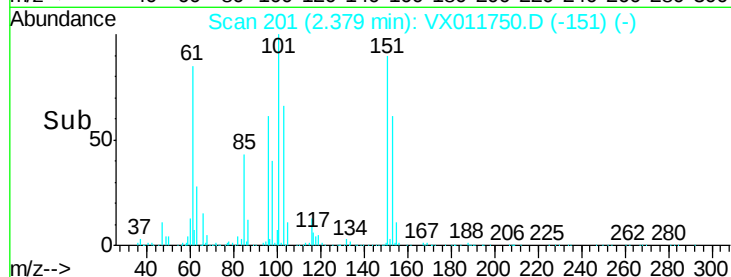
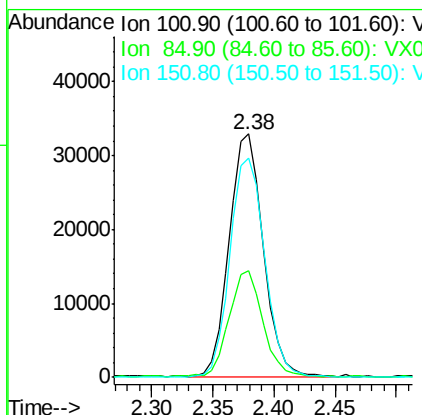
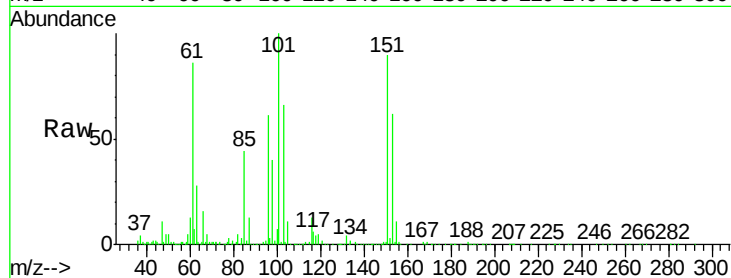
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	63162		
85	43.5		33.7	50.5
151	92.9		71.4	107.2

Manual Integrations
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#10

Methyl Iodide

Concen: 16.044 ug/l

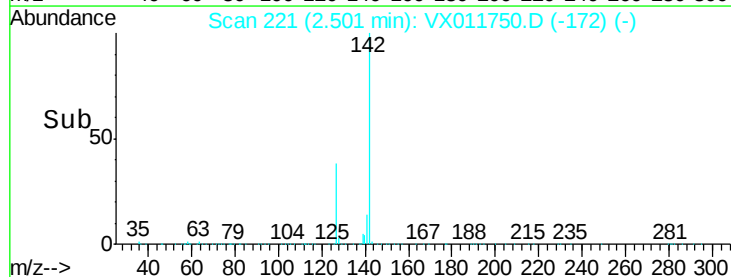
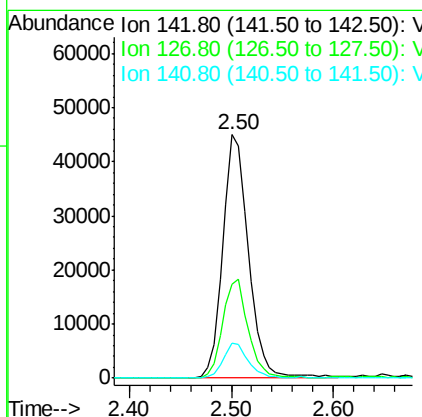
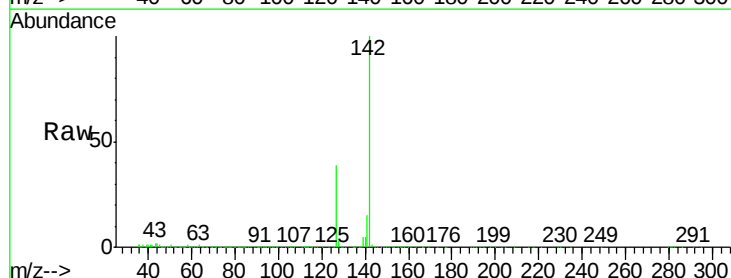
RT: 2.50 min Scan# 221

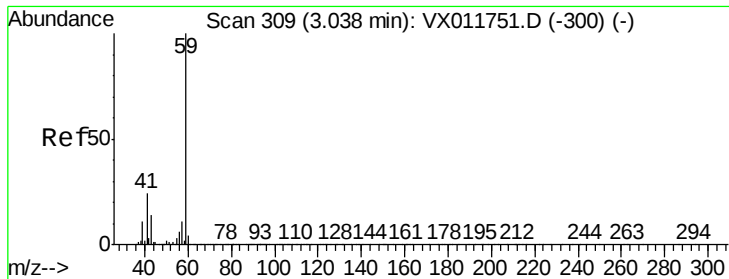
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	78898		
127	40.4		33.5	50.3
141	13.8		11.4	17.2





#11

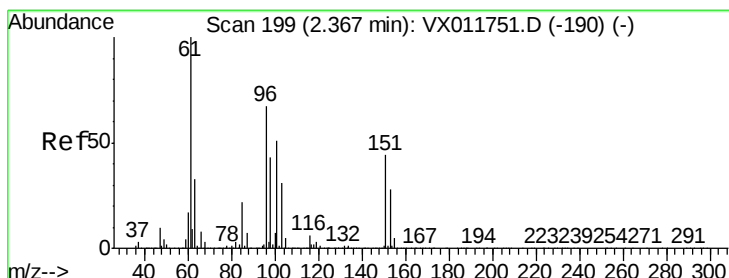
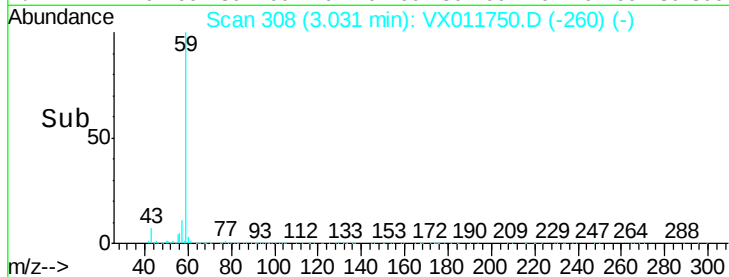
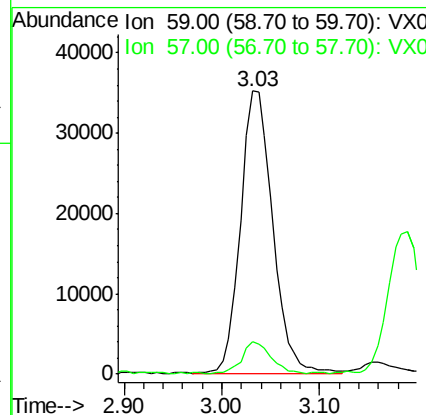
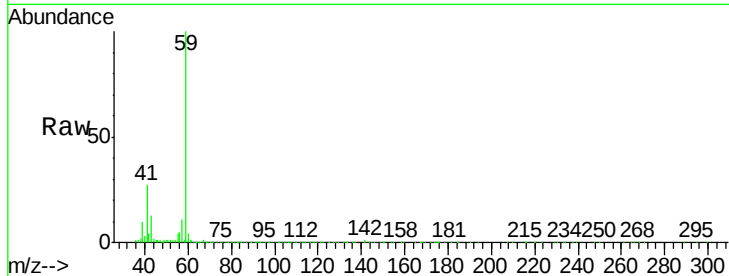
Tert butyl alcohol
Concen: 88.992 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.4	12.6

Manual Integrations
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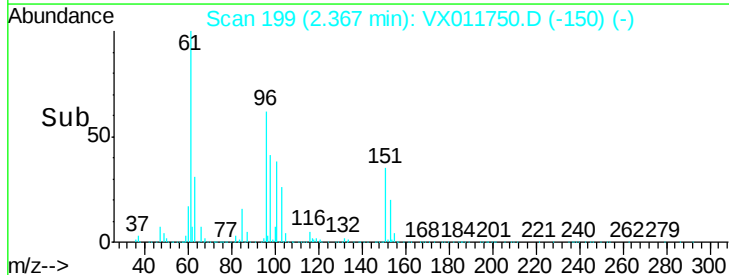
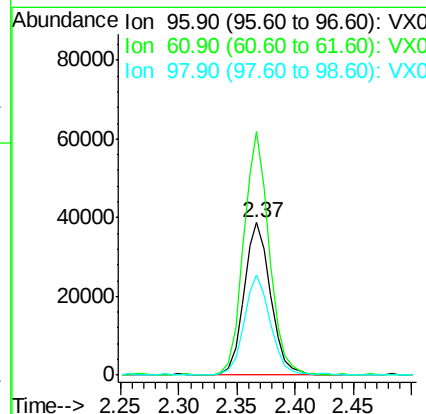
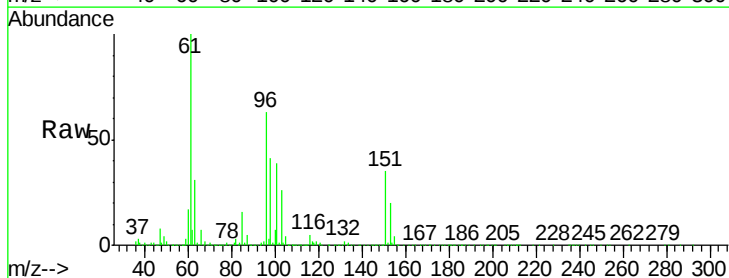
MMDadoda
8/23/2019 1:55:45 PM

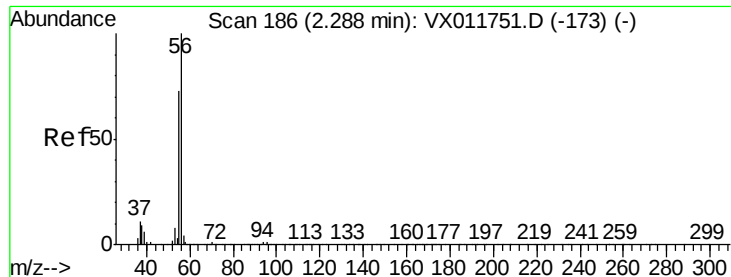


#12

1,1-Dichloroethene
Concen: 17.825 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	119.4	179.2
98	65.7	51.2	76.8





#13

Acrolein

Concen: 81.541 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 25119

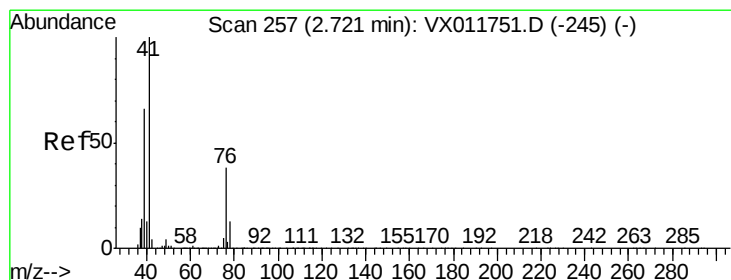
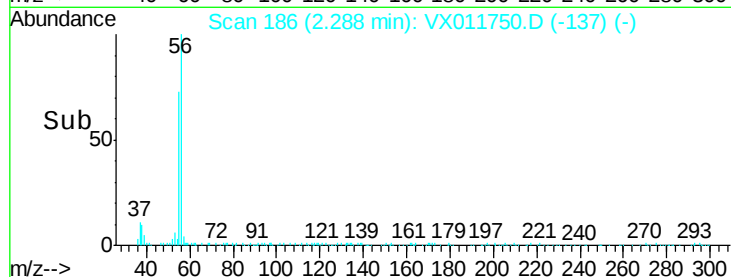
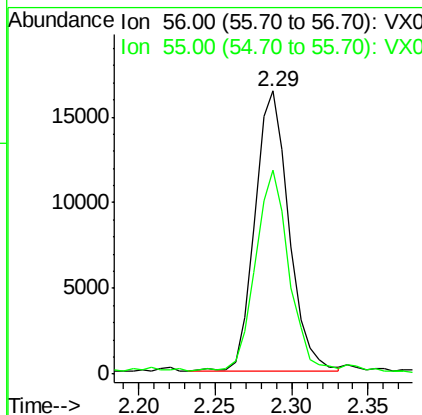
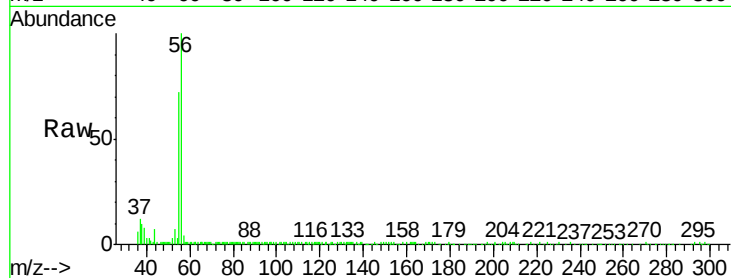
Ion Ratio Lower Upper

56 100

55 70.5 54.8 82.2

Manual Integrations
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#14

Allyl chloride

Concen: 17.461 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

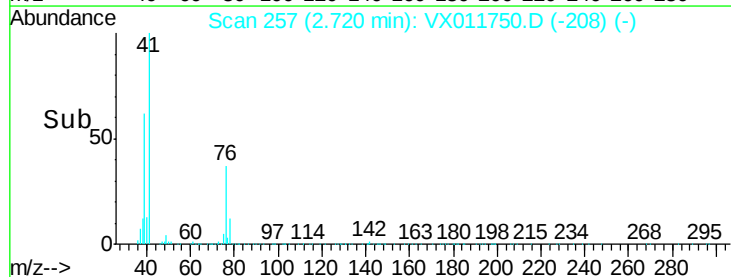
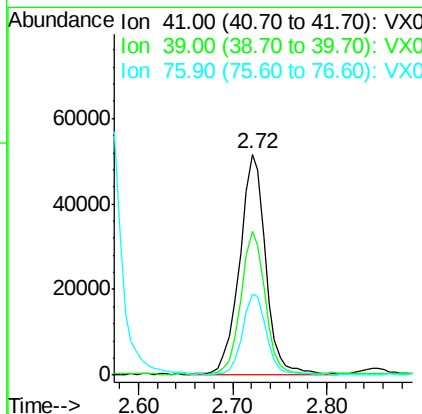
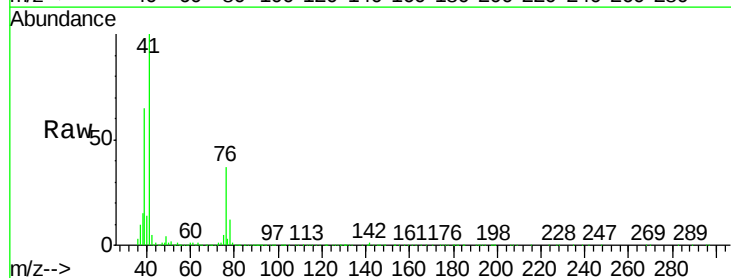
Tgt Ion: 41 Resp: 99012

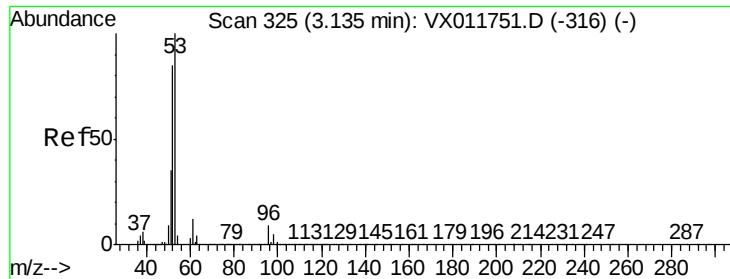
Ion Ratio Lower Upper

41 100

39 60.0 49.3 73.9

76 33.4 26.8 40.2





#15

Acrylonitrile

Concen: 88.341 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

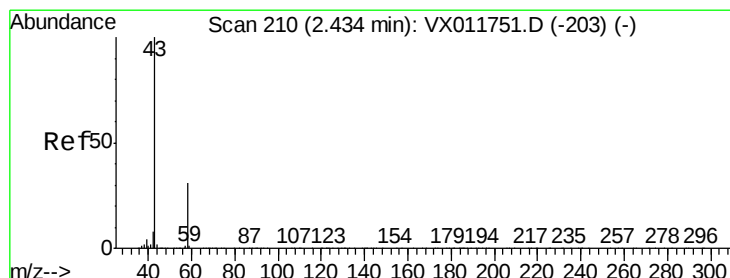
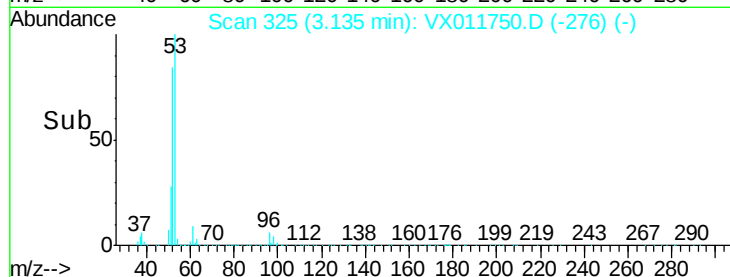
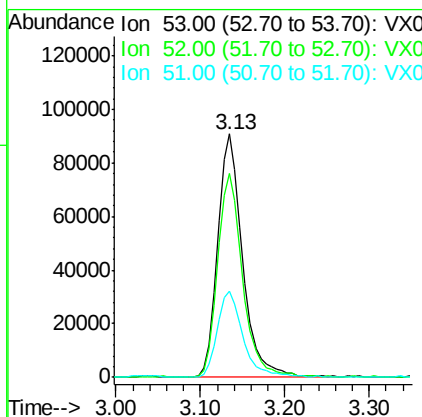
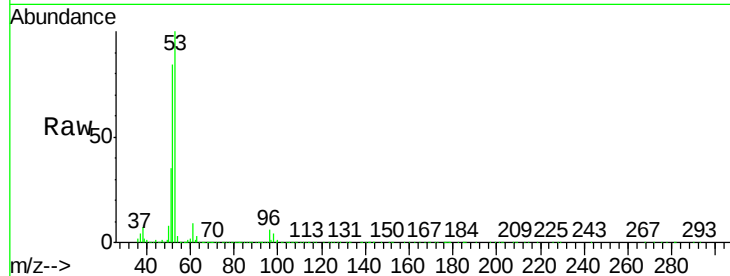
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	183262
Ion Ratio		Lower	Upper
53	100		
52	84.9	65.7	98.5
51	36.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 99.702 ug/l

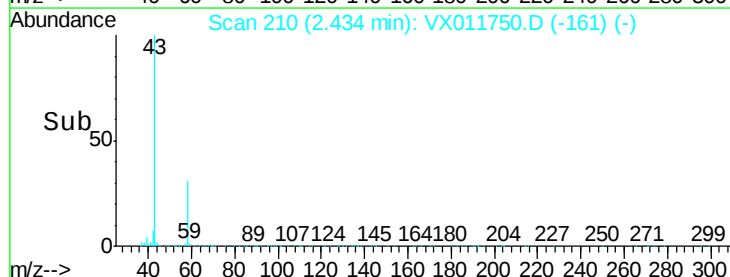
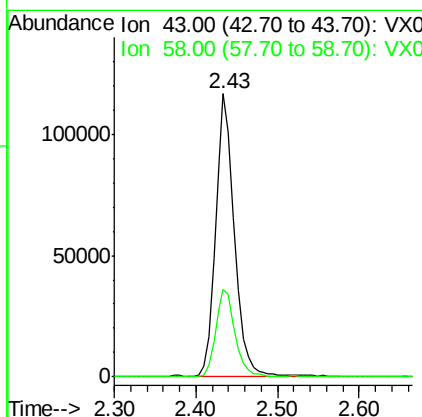
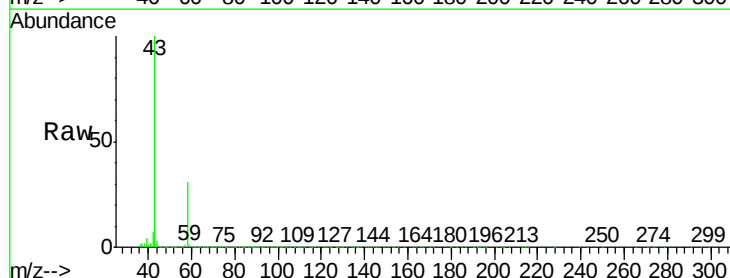
RT: 2.43 min Scan# 210

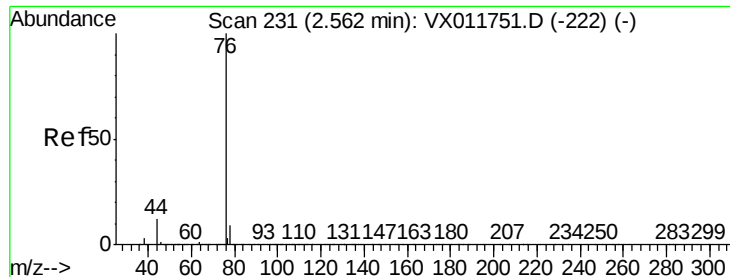
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	43	Resp:	187624
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.4	36.6





#17

Carbon Disulfide

Concen: 18.718 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 153091

Ion Ratio Lower Upper

76 100

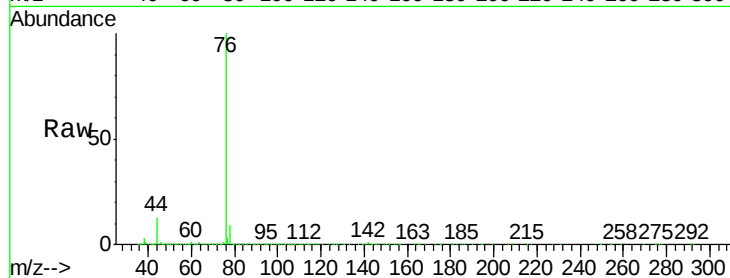
78 9.2 7.4 11.0

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

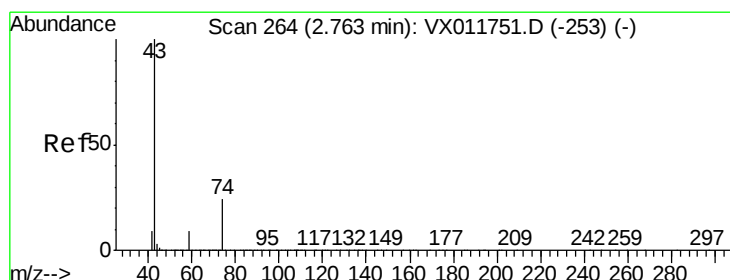
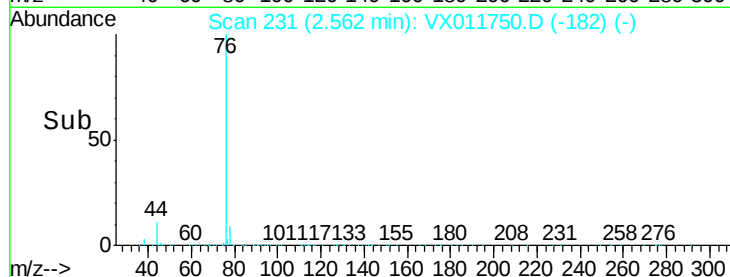
60000

40000

20000

0

Time--> 2.40 2.50 2.60 2.70



#18

Methyl Acetate

Concen: 17.587 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011750.D

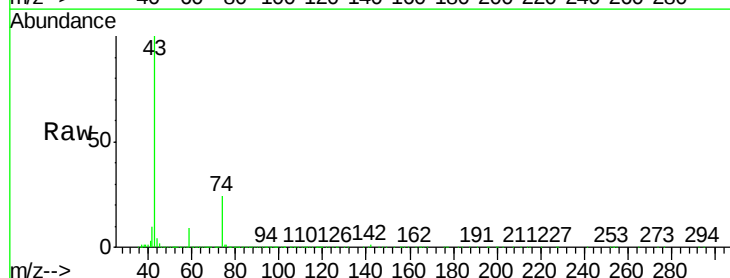
Acq: 22 Aug 2019 09:43

Tgt Ion: 43 Resp: 100668

Ion Ratio Lower Upper

43 100

74 24.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

60000

50000

40000

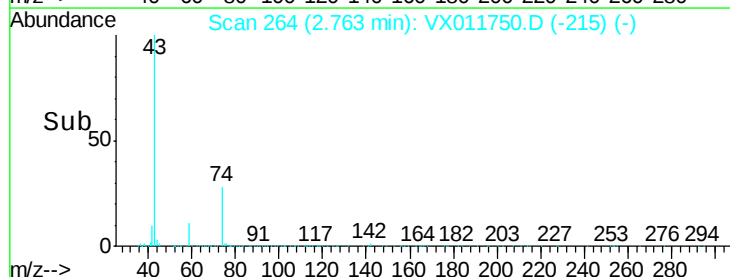
30000

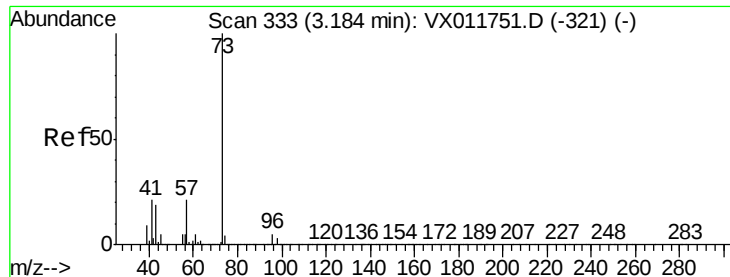
20000

10000

0

Time--> 2.70 2.75 2.80 2.85





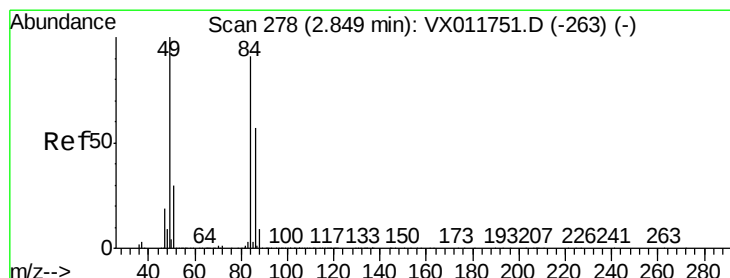
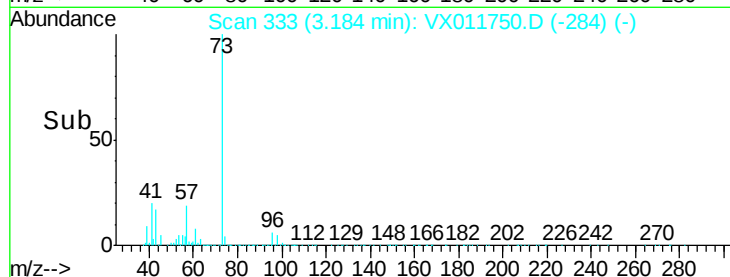
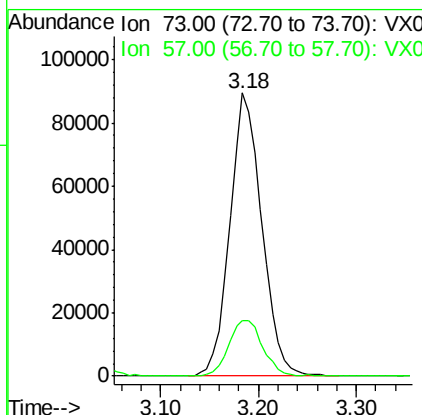
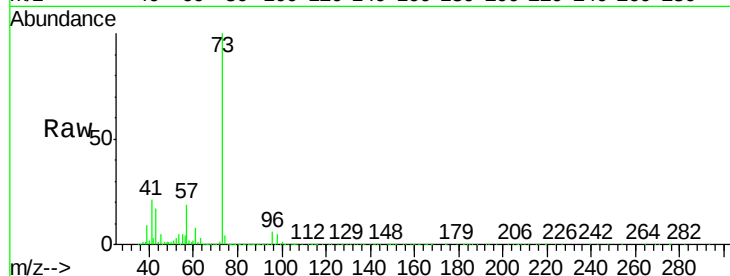
#19
Methvl tert-butvl Ether
Concen: 18.261 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	16.4	24.6

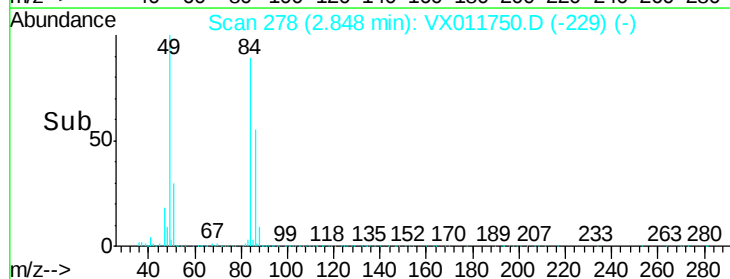
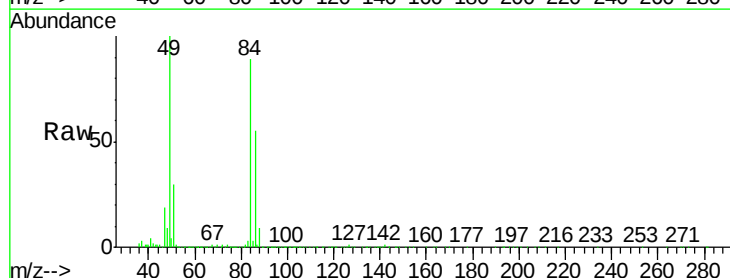
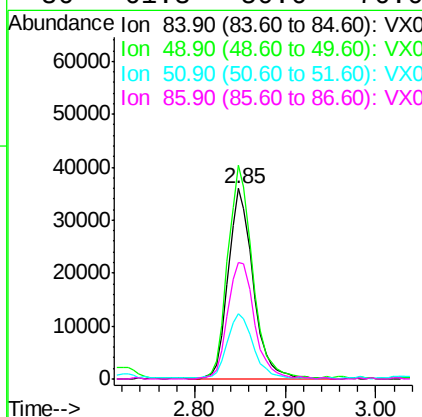
Manual Integrations
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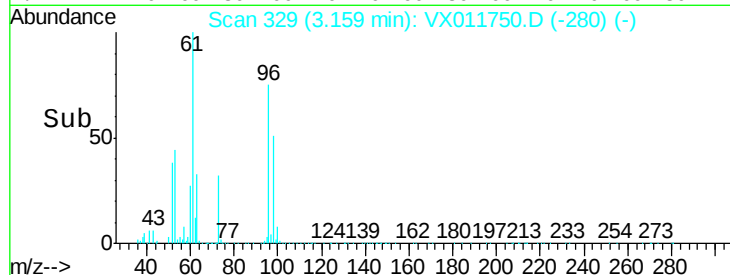
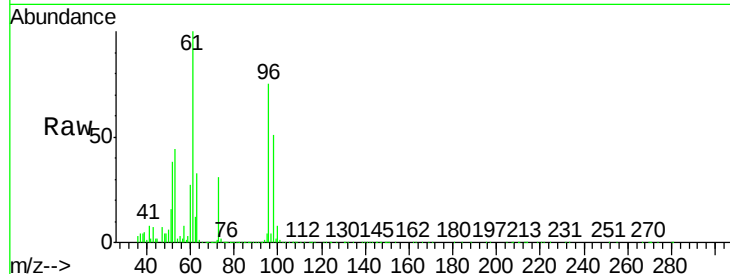
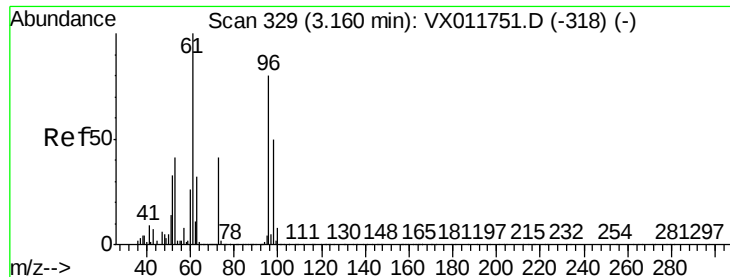
MMDadoda
8/23/2019 1:55:45 PM



#20
Methylene Chloride
Concen: 17.383 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.7	88.3	132.5
51	34.1	26.2	39.2
86	61.3	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 18.152 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011750.D

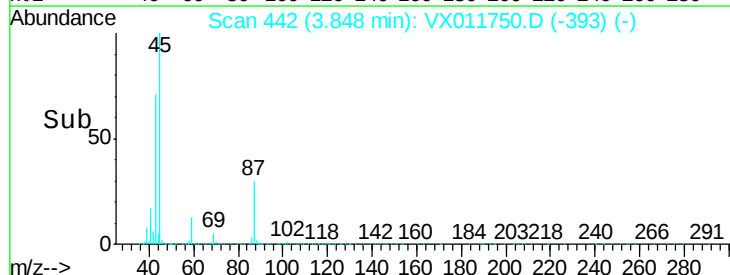
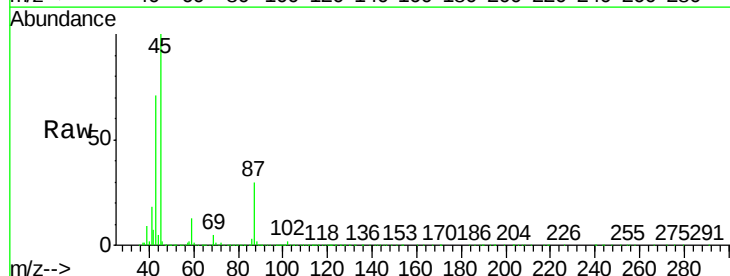
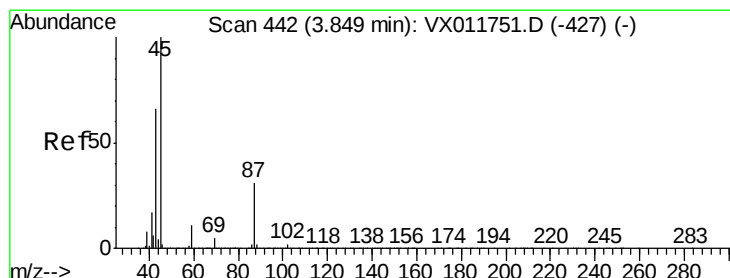
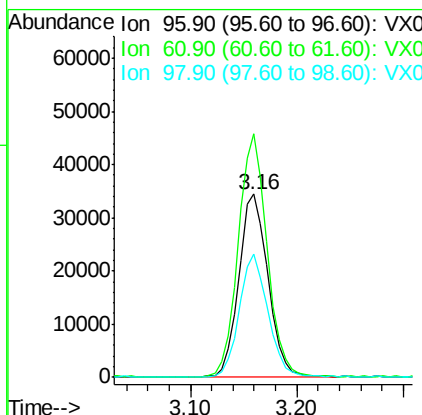
Acq: 22 Aug 2019 09:43

Tot Ion:	96	Resp:	66194
Ion	Ratio	Lower	Upper
96	100		
61	132.8	99.8	149.8
98	67.3	50.3	75.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
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8/23/2019 1:55:45 PM



#22

Diisopropyl ether

Concen: 17.428 ug/l

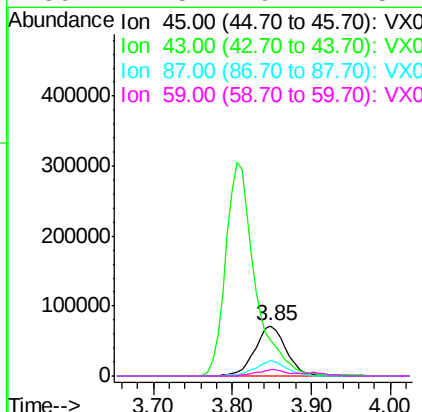
RT: 3.85 min Scan# 442

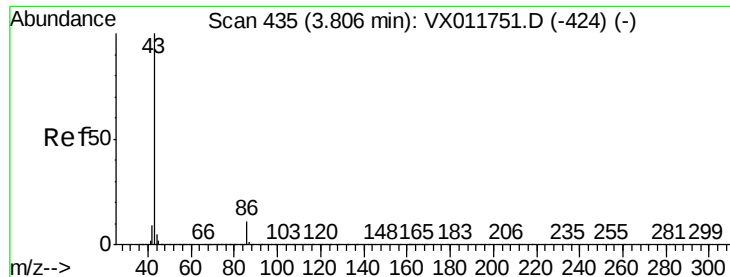
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	45	Resp:	194691
Ion	Ratio	Lower	Upper
45	100		
43	71.2	53.0	79.6
87	29.8	24.7	37.1
59	12.5	9.1	13.7





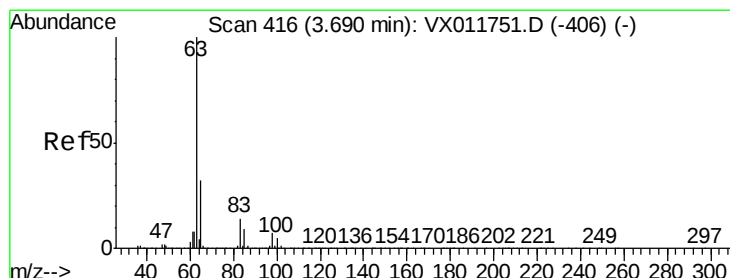
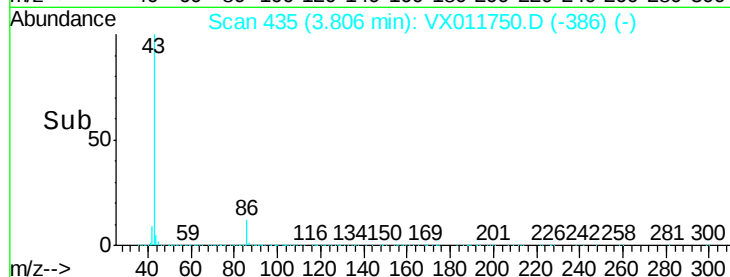
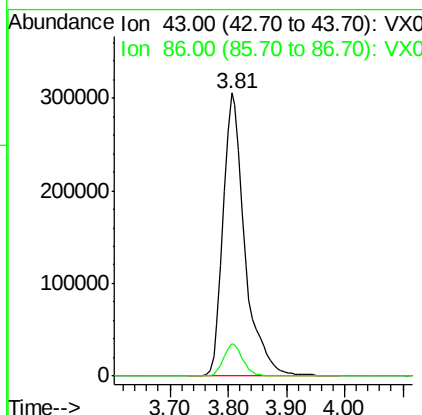
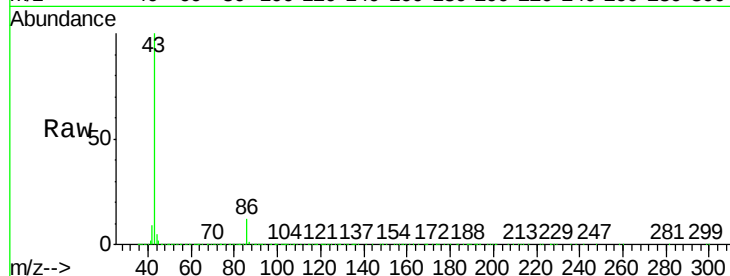
#23
 Vinyl Acetate
 Concen: 89.123 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8

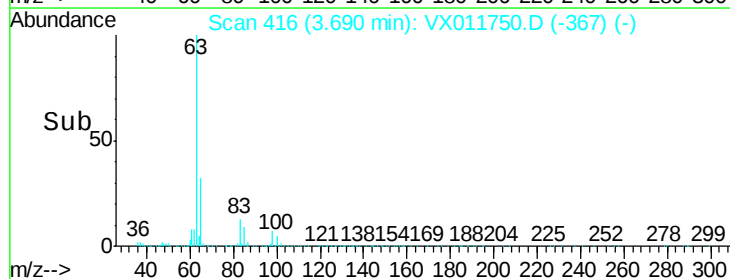
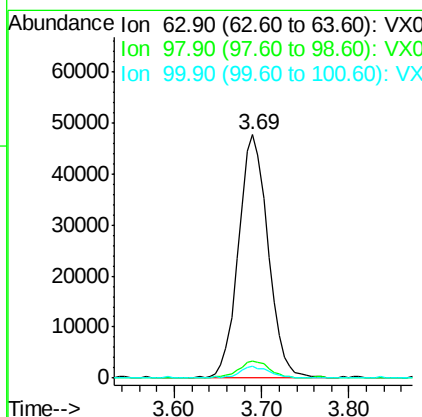
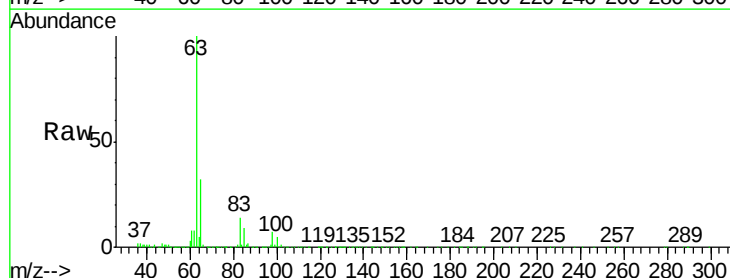
Manual Integrations
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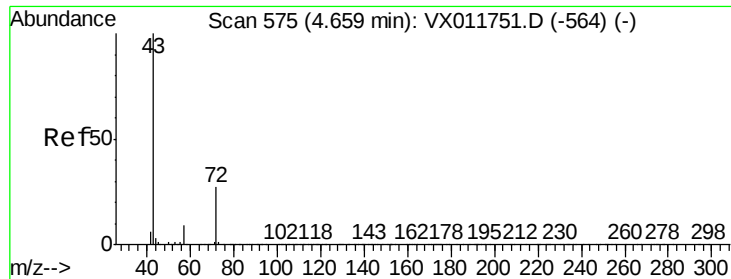
MMDadoda
 8/23/2019 1:55:45 PM



#24
 1,1-Dichloroethane
 Concen: 17.485 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.7	11.1
100	4.9	2.3	6.9





#25

2-Butanone

Concen: 89.137 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tot Ion: 43 Resp: 257973

Ion Ratio Lower Upper

43 100

72 26.6 21.8 32.6

Instrument :

MSVOA_X

ClientSampleId :

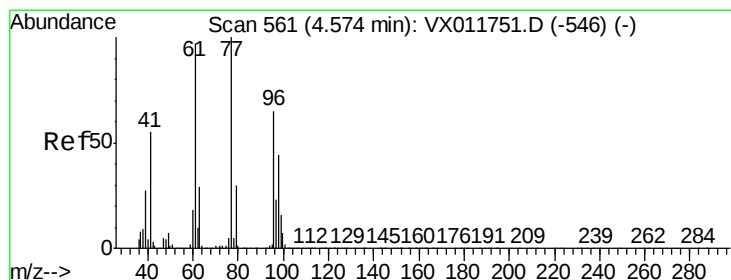
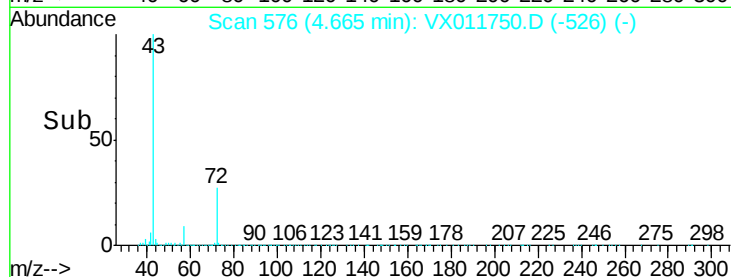
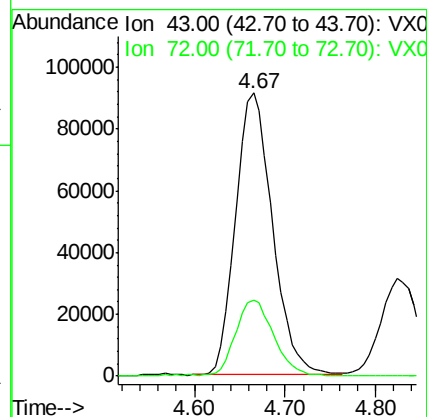
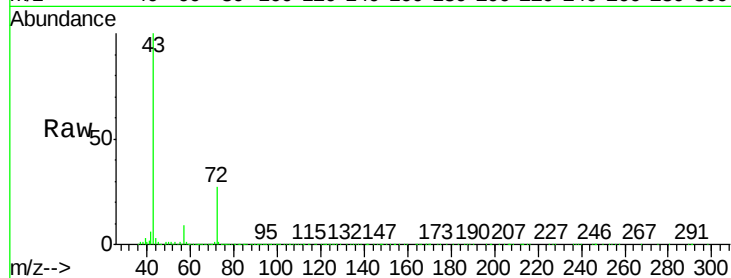
VSTDIC020

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.141 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011750.D

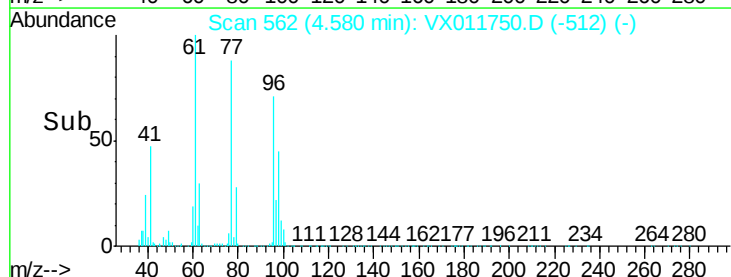
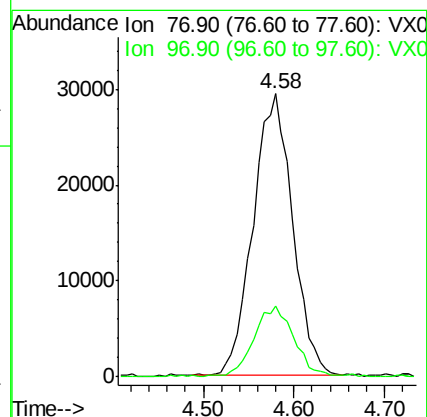
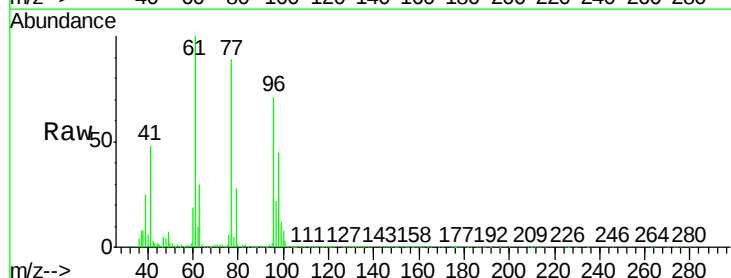
Acq: 22 Aug 2019 09:43

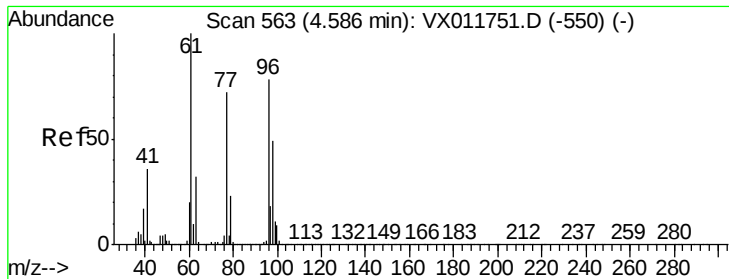
Tgt Ion: 77 Resp: 88519

Ion Ratio Lower Upper

77 100

97 11.7 12.2 36.6#





#27

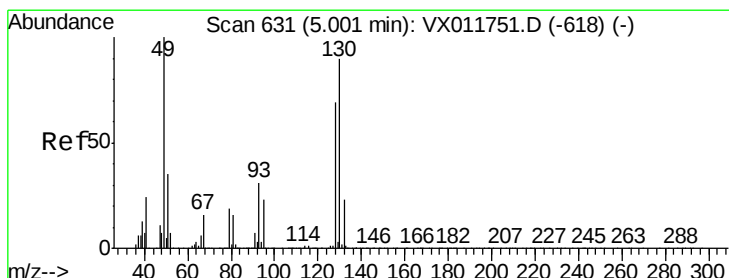
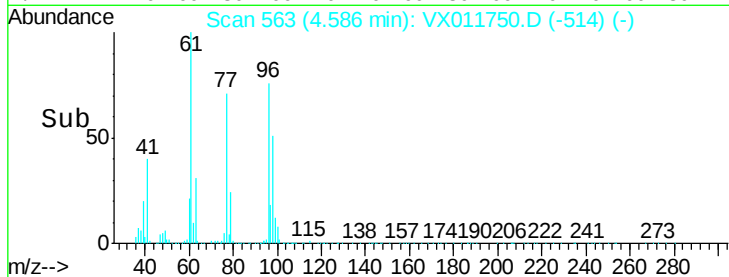
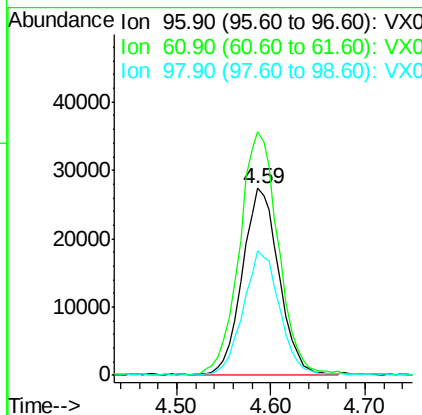
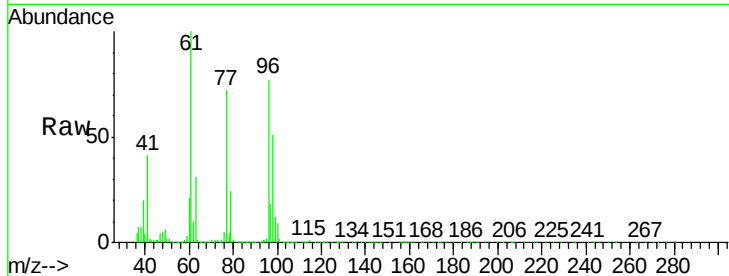
cis-1,2-Dichloroethene
Concen: 17.573 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	275.8
98	66.8	0.0	128.2

Manual Integrations
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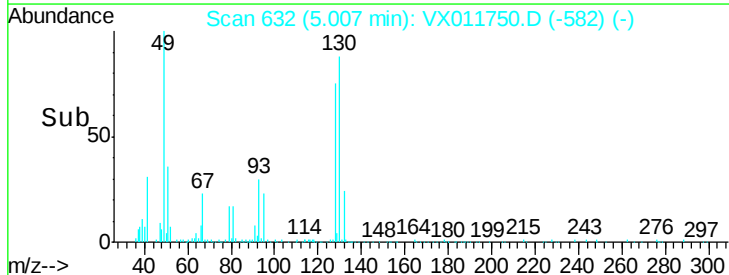
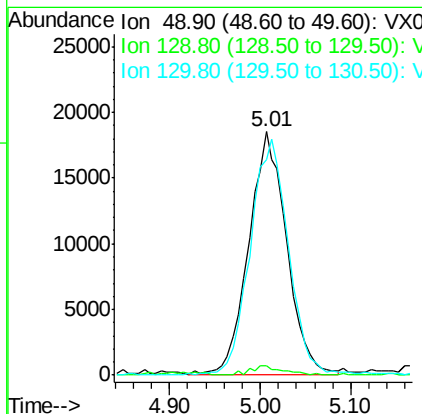
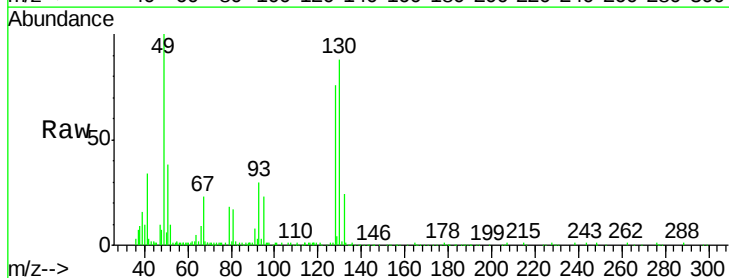
MMDadoda
8/23/2019 1:55:45 PM

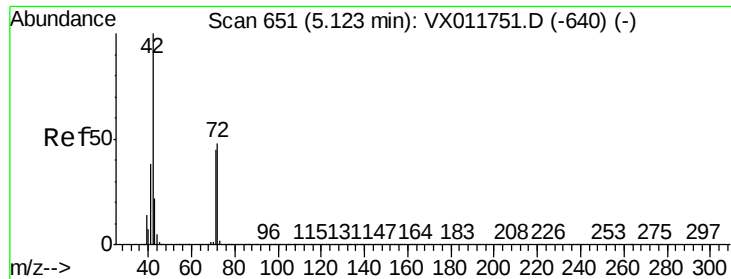


#28

Bromochloromethane
Concen: 19.101 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	5.8
130	97.8	76.8	115.2





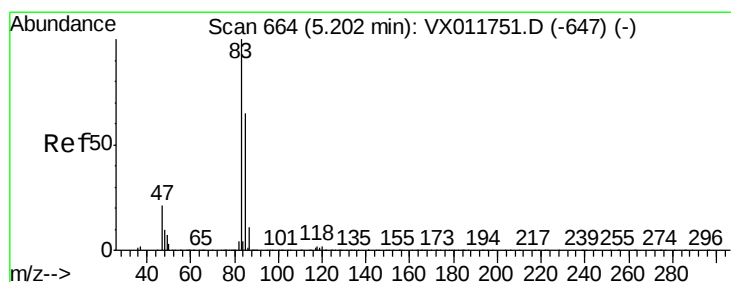
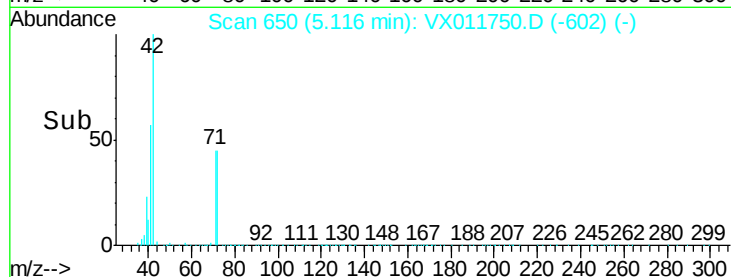
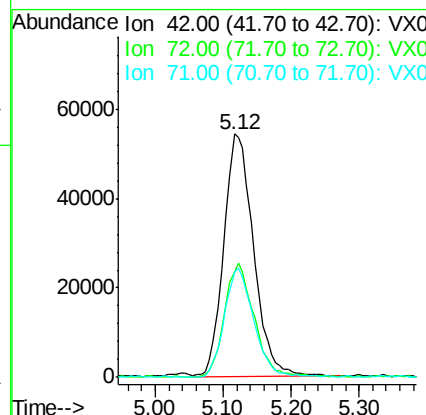
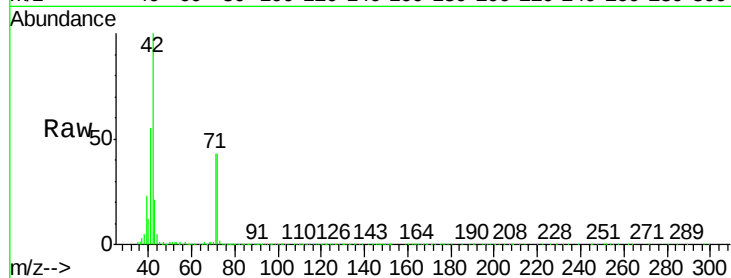
#29
Tetrahydrofuran
Concen: 86.552 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.6	56.4
71	44.1	34.6	51.8

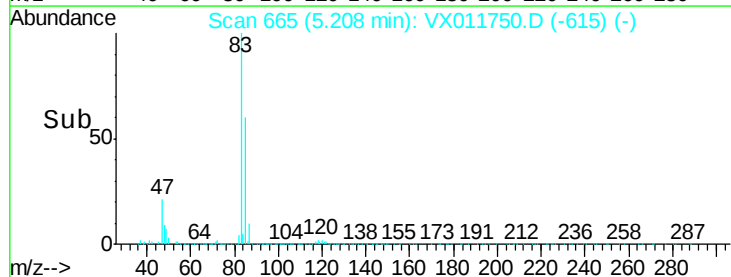
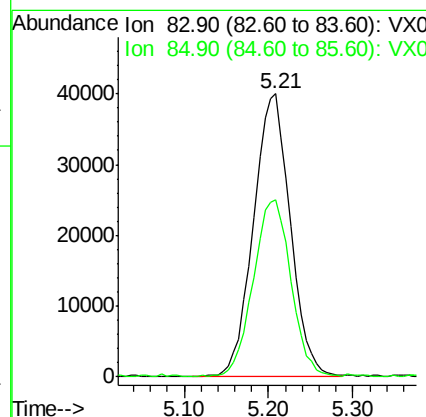
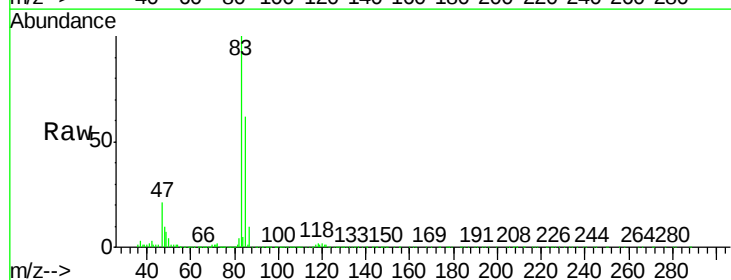
Manual Integrations
APPROVED

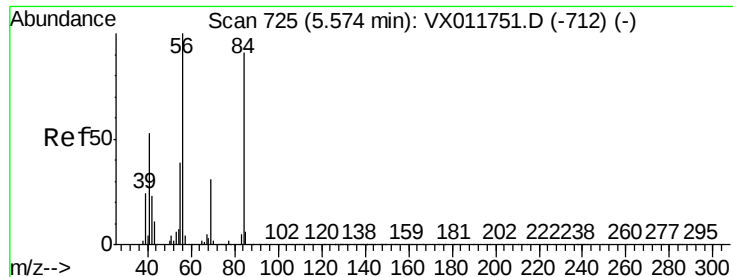
MMDadoda
8/23/2019 1:55:45 PM



#30
Chloroform
Concen: 17.590 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.8	77.8





#31

Cyclohexane

Concen: 18.461 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

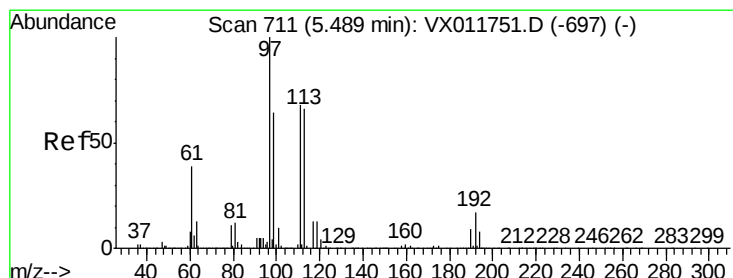
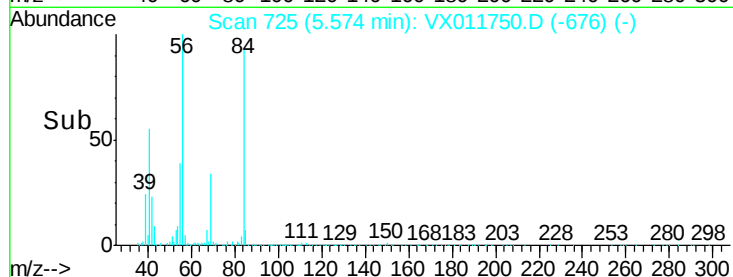
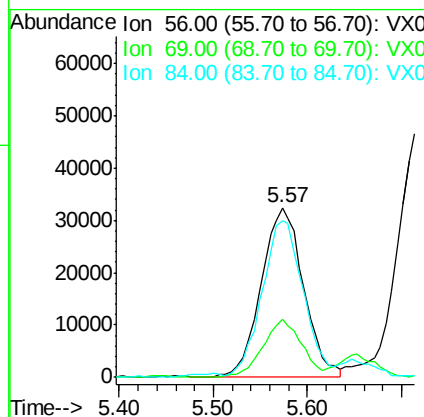
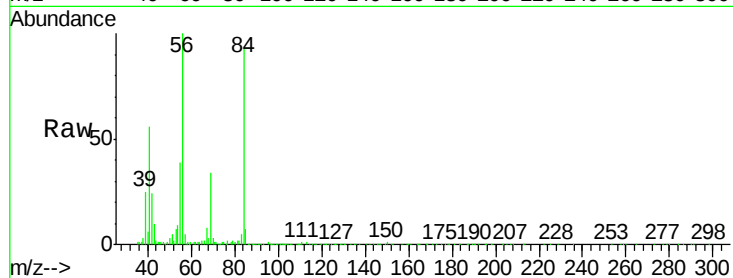
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	101607
Ion Ratio		Lower	Upper
56	100		
69	34.1	24.5	36.7
84	91.2	72.7	109.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.142 ug/l

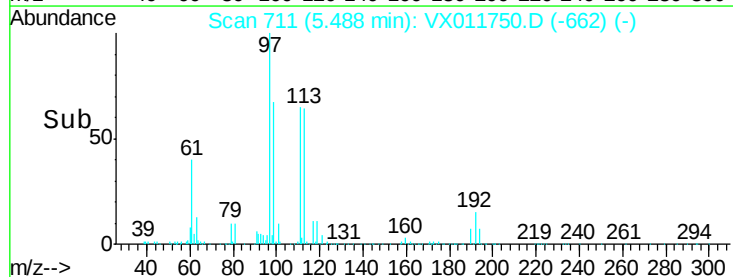
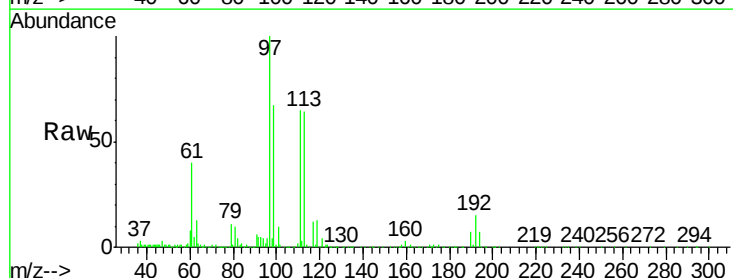
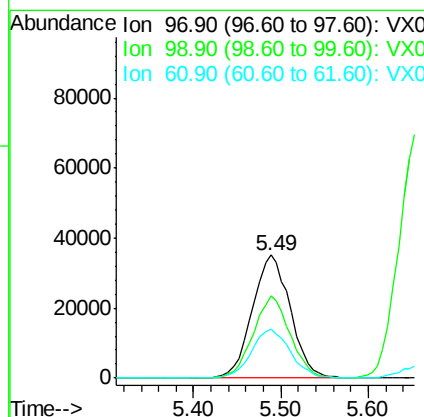
RT: 5.49 min Scan# 711

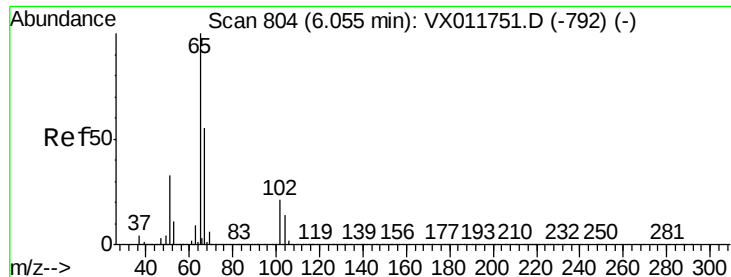
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	97	Resp:	105704
Ion Ratio		Lower	Upper
97	100		
99	65.2	51.4	77.0
61	40.4	31.6	47.4





#33

1,2-Dichloroethane-d4

Concen: 19.603 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 75814

Ion Ratio Lower Upper

65 100

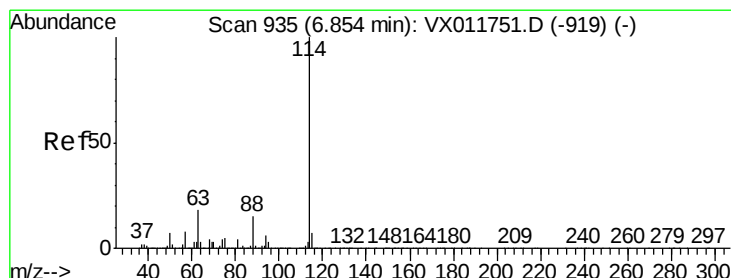
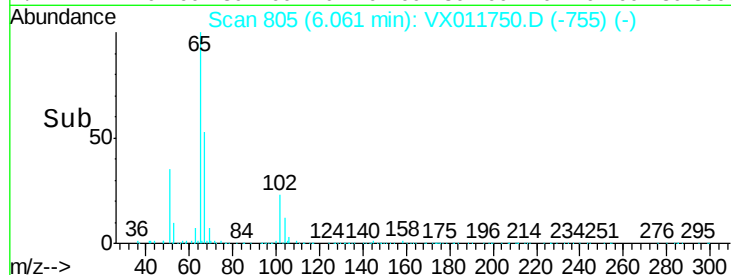
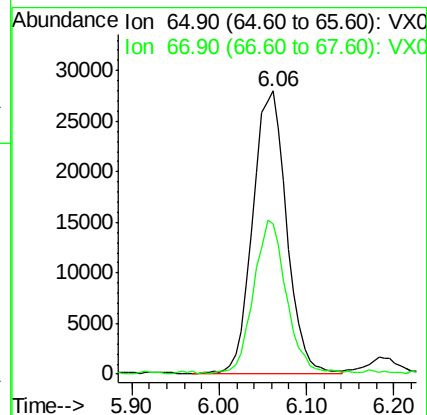
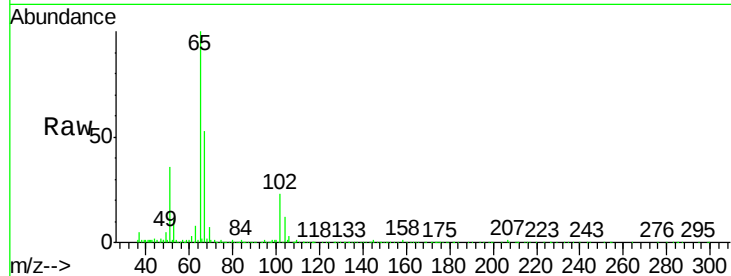
67 51.0 0.0 107.8

Manual Integrations

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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: VX011750.D

Acq: 22 Aug 2019 09:43

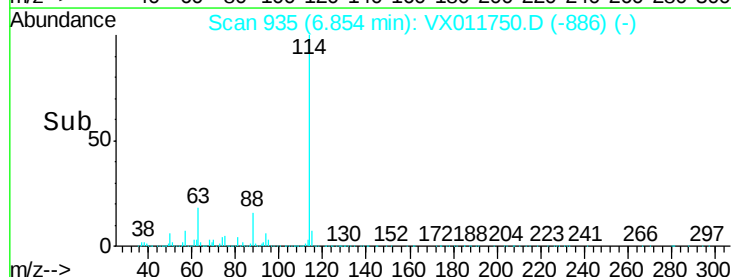
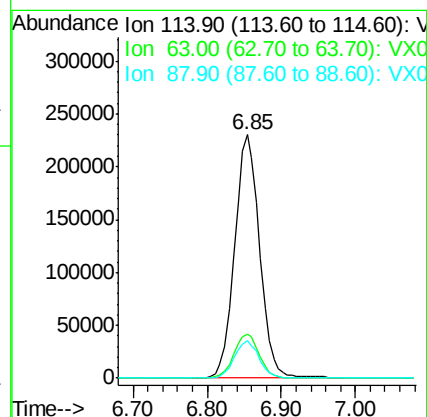
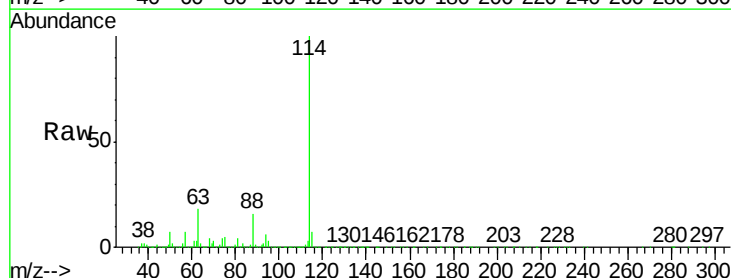
Tgt Ion:114 Resp: 540293

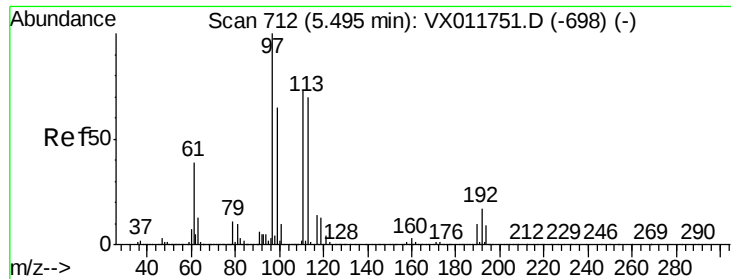
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.5 0.0 30.2





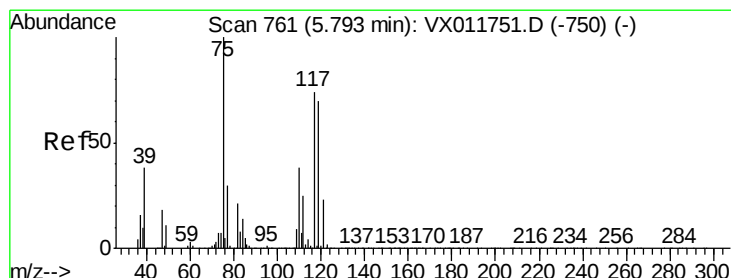
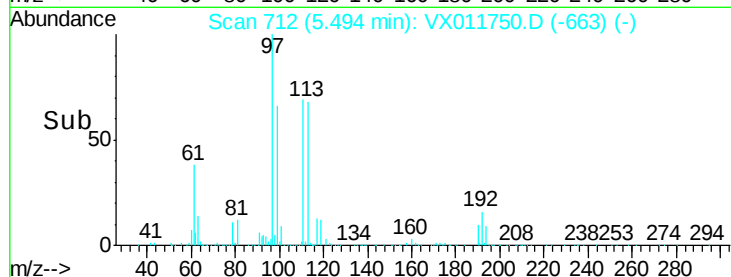
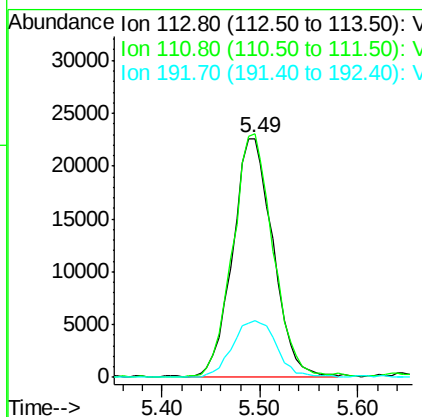
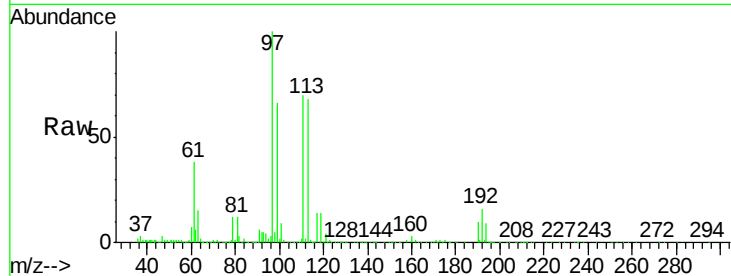
#35
Dibromofluoromethane
Concen: 18.131 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.0	121.4
192	25.7	19.9	29.9

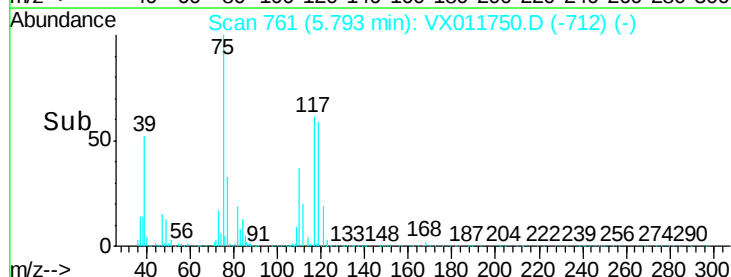
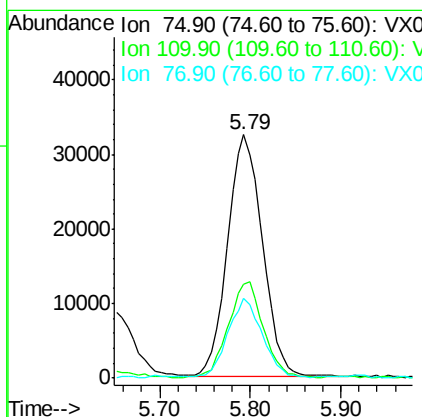
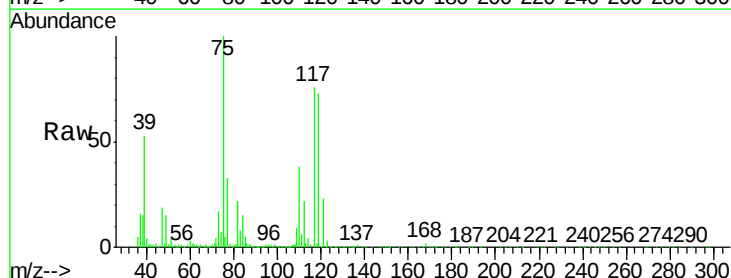
Manual Integrations
APPROVED

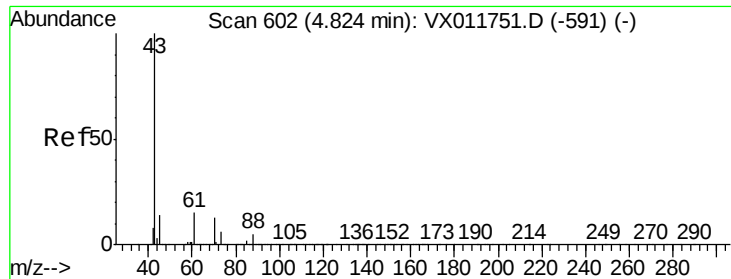
MMDadoda
8/23/2019 1:55:45 PM



#36
1,1-Dichloropropene
Concen: 19.111 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.2	19.0	57.0
77	31.4	24.6	36.8





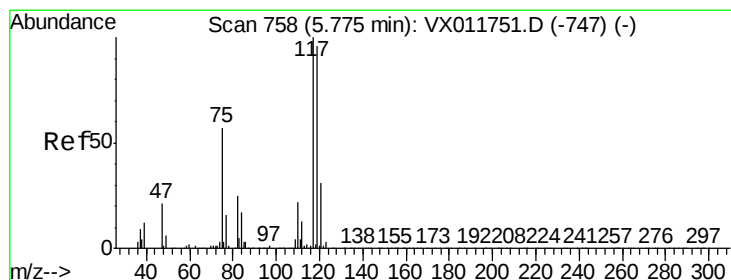
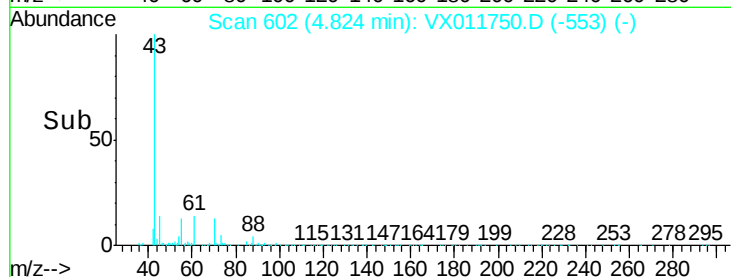
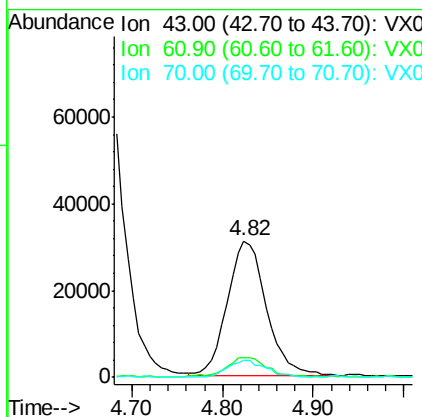
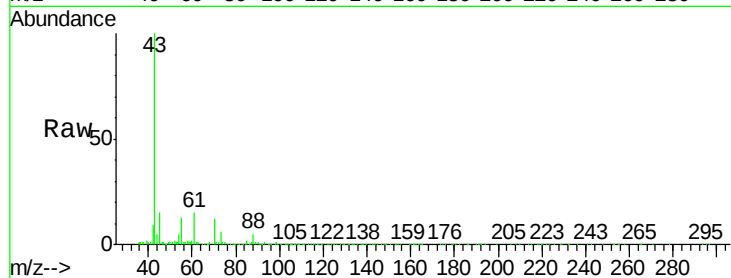
#37
Ethyl Acetate
Concen: 17.822 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	92662
Ion Ratio	Lower	Upper	
43	100		
61	14.7	11.5	17.3
70	11.9	9.5	14.3

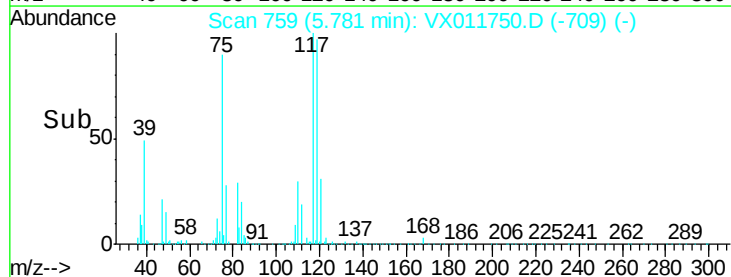
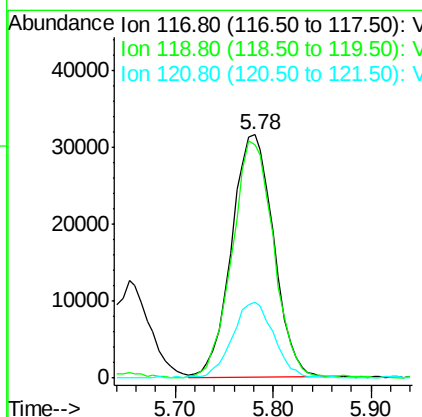
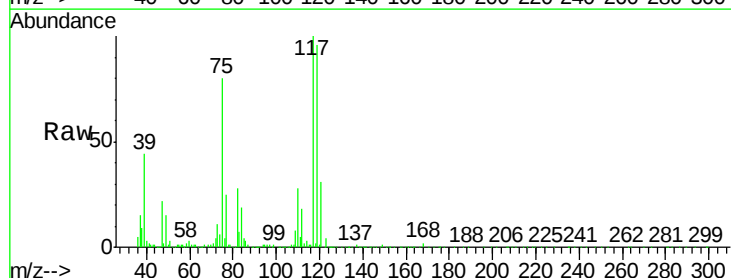
Manual Integrations
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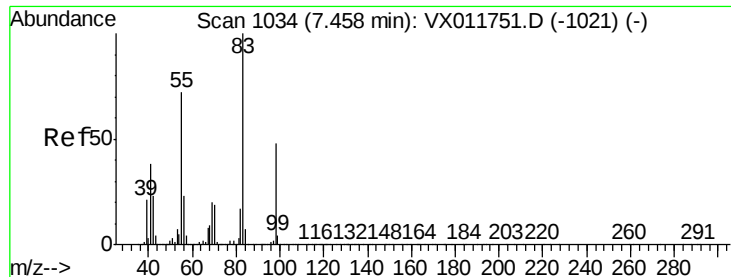
MMDadoda
8/23/2019 1:55:45 PM



#38
Carbon Tetrachloride
Concen: 18.651 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	117	Resp	93711
Ion Ratio	Lower	Upper	
117	100		
119	96.1	76.6	114.8
121	31.2	25.2	37.8





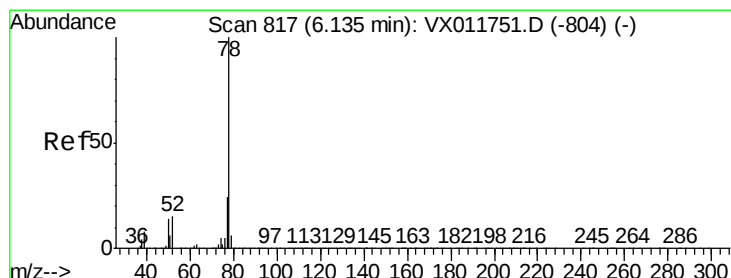
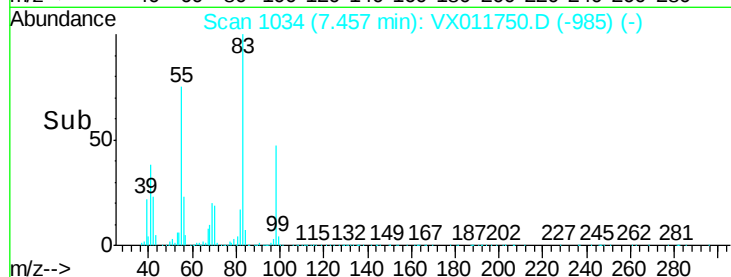
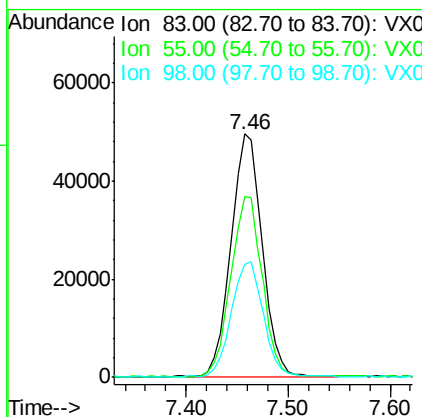
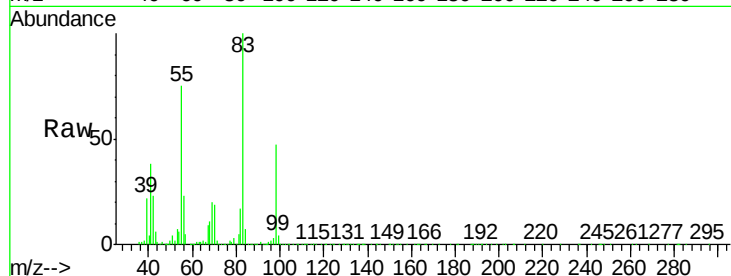
#39
Methylvlcyclohexane
Concen: 18.503 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	57.8	86.6
98	46.6	38.6	58.0

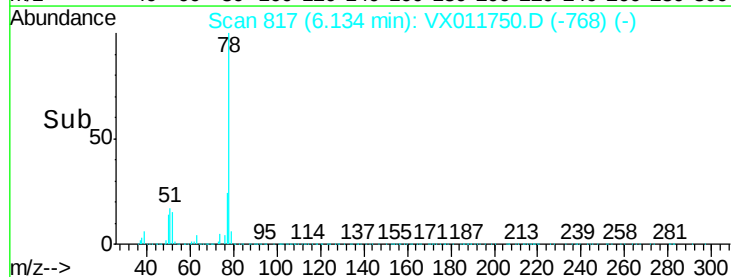
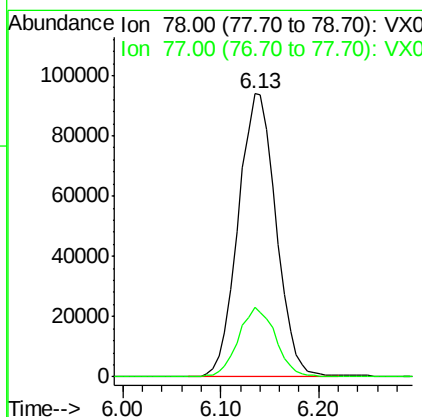
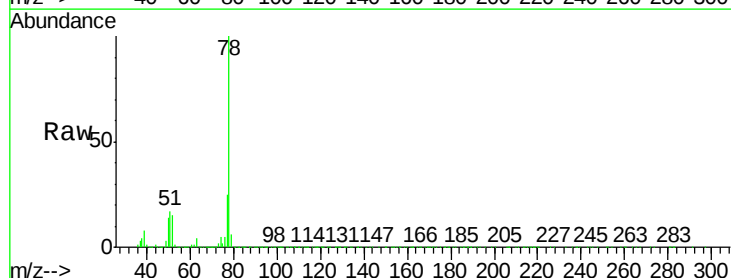
Manual Integrations
APPROVED

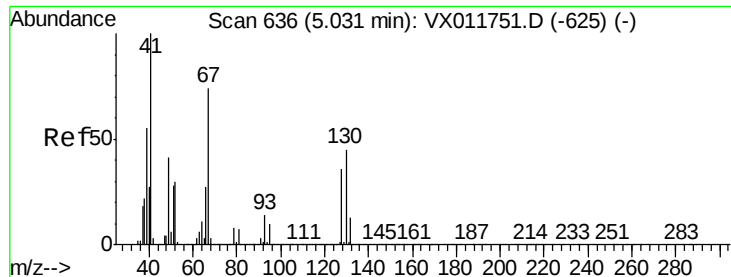
MMDadoda
8/23/2019 1:55:45 PM



#40
Benzene
Concen: 17.833 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 18.048 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

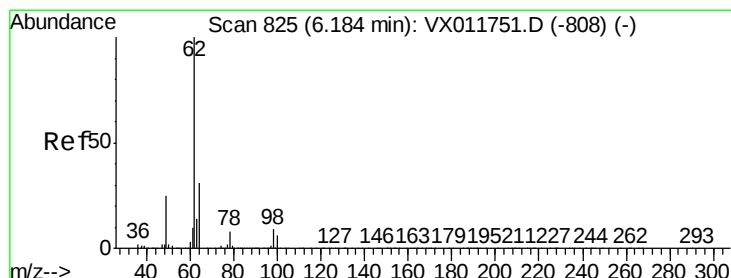
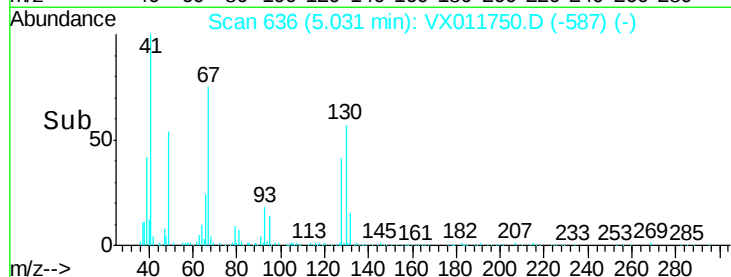
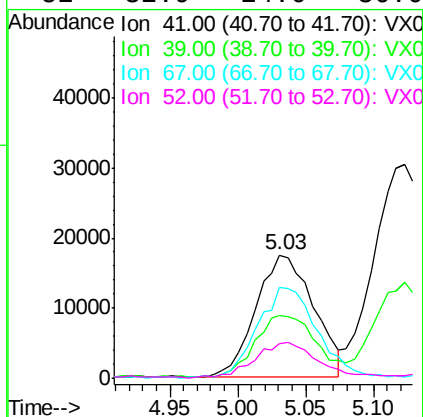
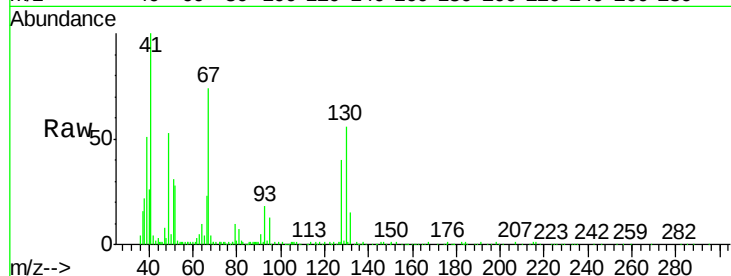
ClientSampled :

VSTDIC020

Tot Ion:	41	Resp:	51349
Ion	Ratio	Lower	Upper
41	100		
39	53.5	44.3	66.5
67	77.1	60.3	90.5
52	32.9	24.0	36.0

Manual Integrations
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8/23/2019 1:55:45 PM



#42

1,2-Dichloroethane

Concen: 18.767 ug/l

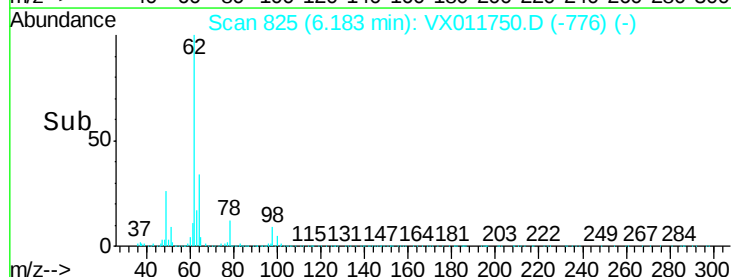
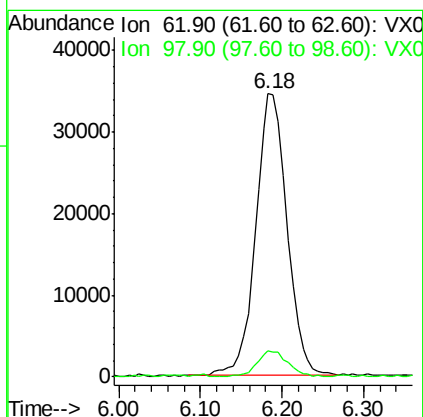
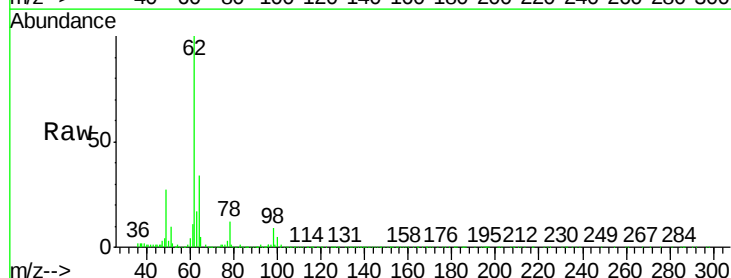
RT: 6.18 min Scan# 825

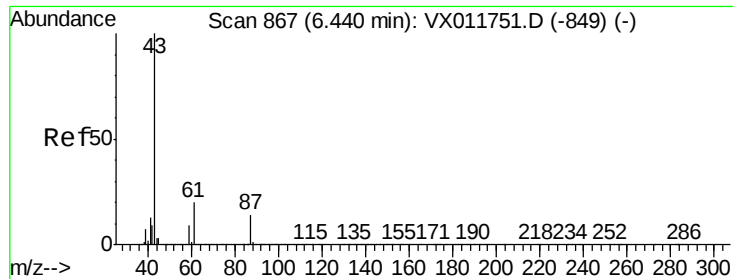
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	62	Resp:	92519
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 17.583 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

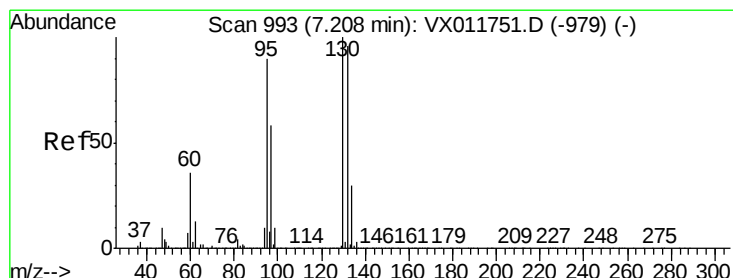
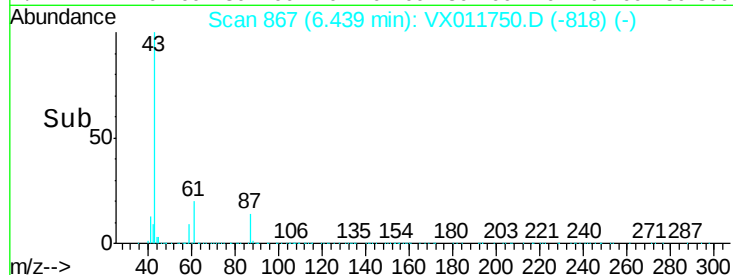
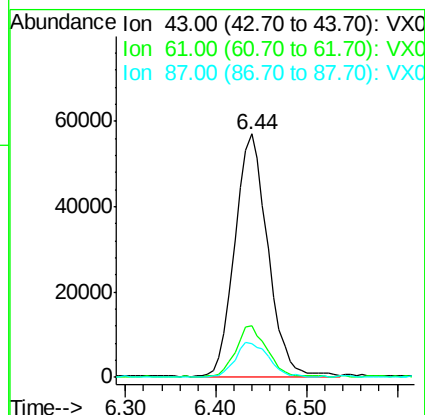
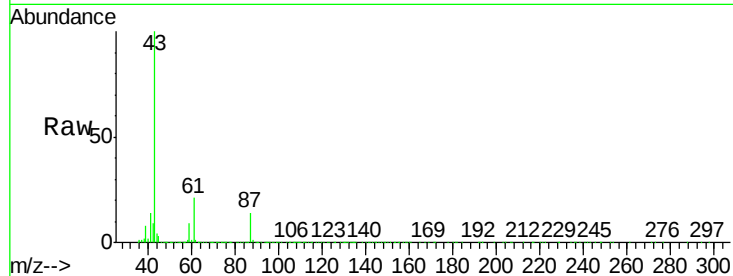
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	143059
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.2	24.2
87	14.2	11.6	17.4

Manual Integrations
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#44

Trichloroethene

Concen: 18.718 ug/l

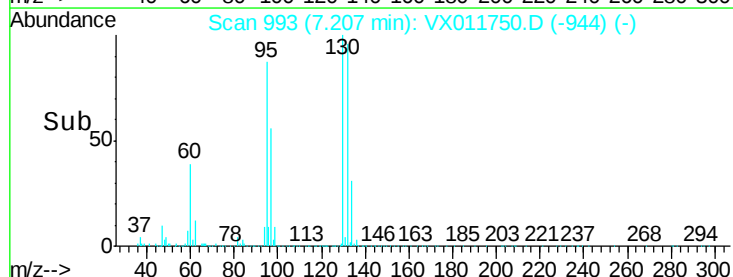
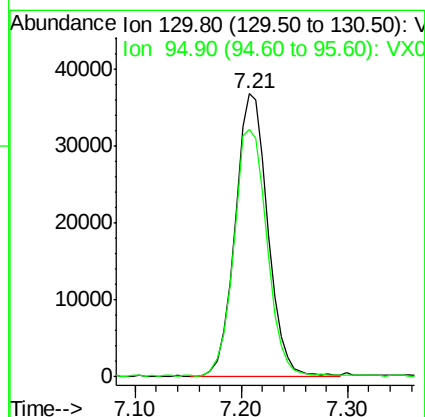
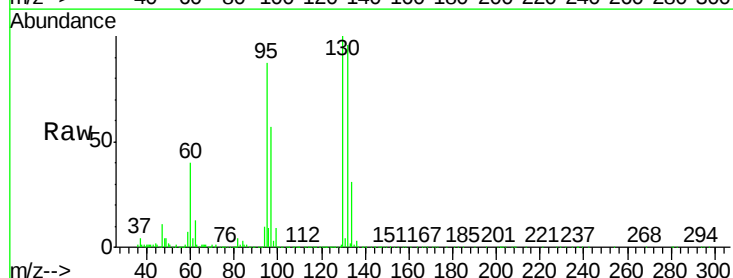
RT: 7.21 min Scan# 993

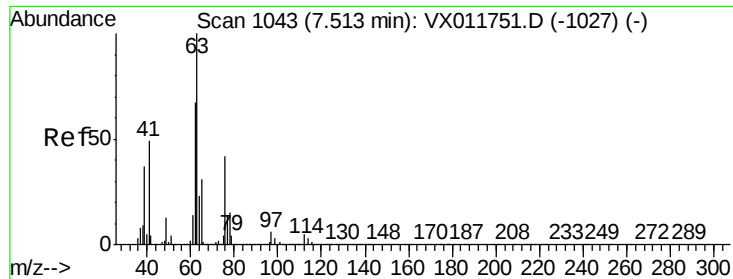
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	130	Resp:	79027
Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	179.0





#45

1,2-Dichloropropane

Concen: 18.323 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tot Ion: 63 Resp: 64471

Ion Ratio Lower Upper

63 100

65 28.6 24.8 37.2

Instrument :

MSVOA_X

ClientSampleId :

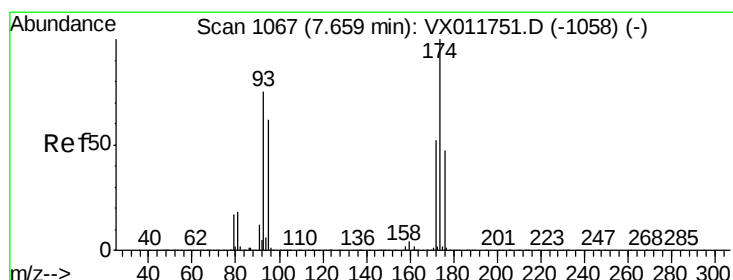
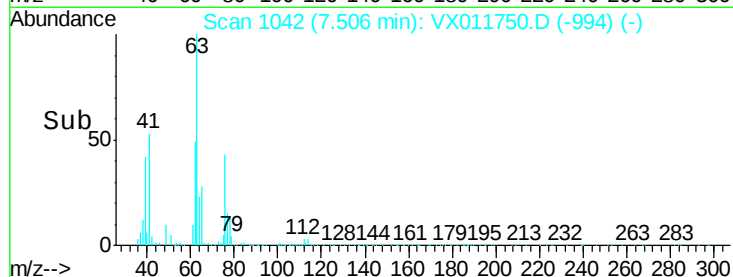
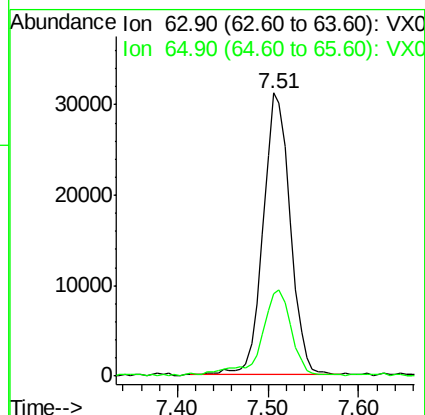
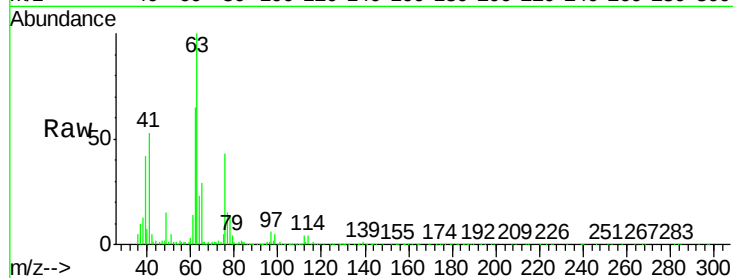
VSTDIC020

Manual Integrations

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#46

Dibromomethane

Concen: 18.096 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

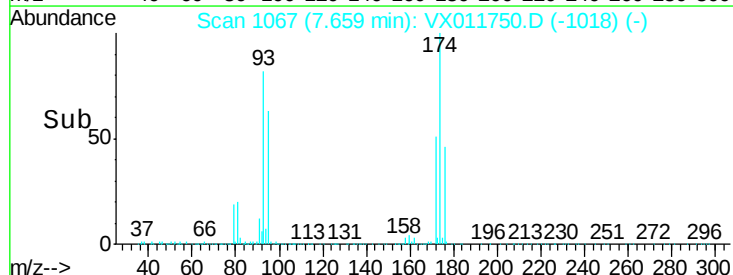
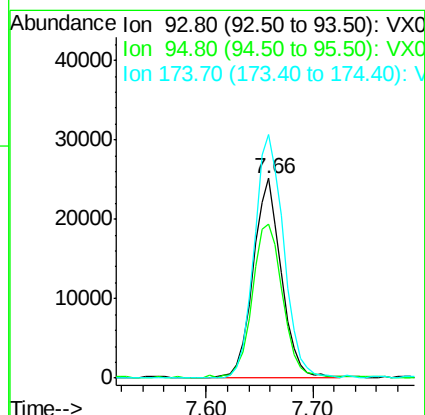
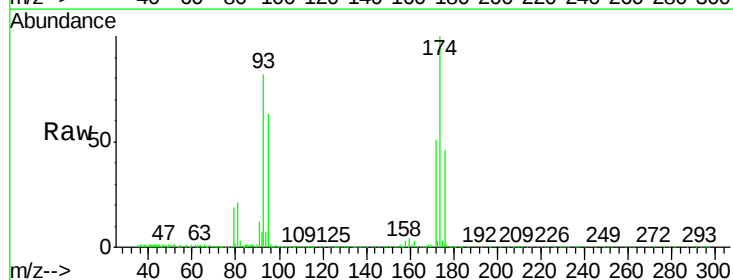
Tgt Ion: 93 Resp: 46666

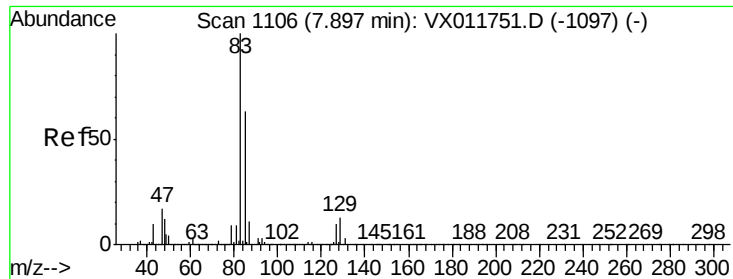
Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.2

174 127.5 104.2 156.4





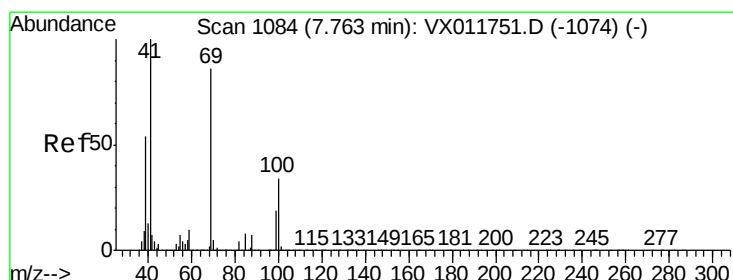
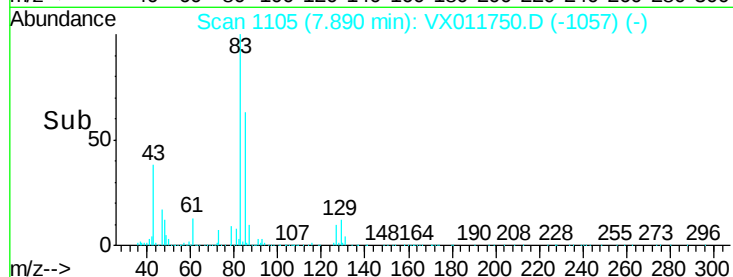
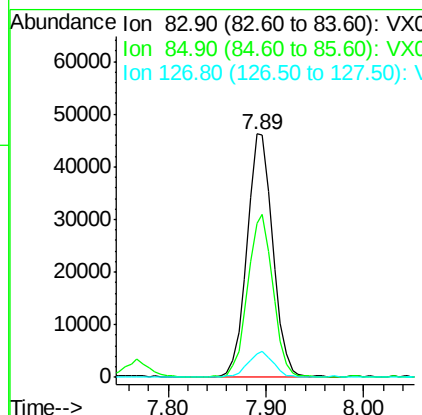
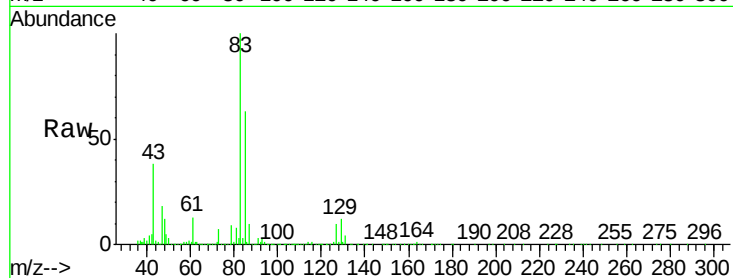
#47
Bromodichloromethane
Concen: 17.995 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.2	50.6	76.0	
127	9.6	8.4	12.6	

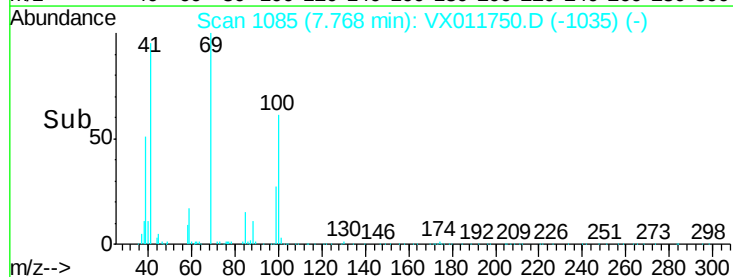
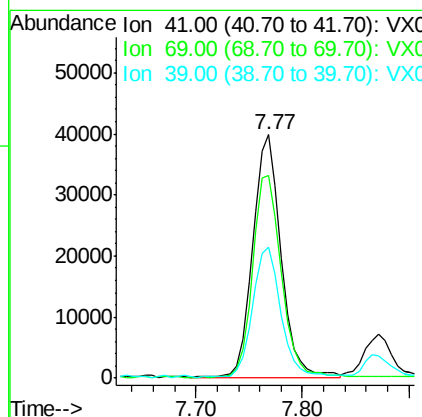
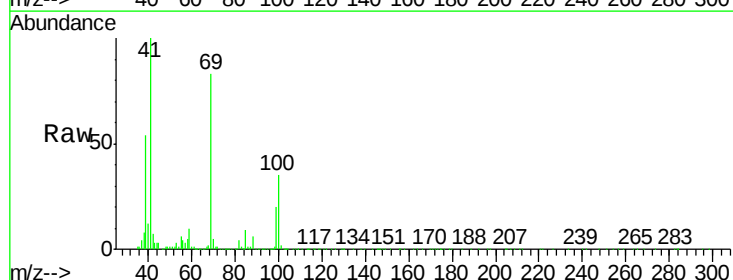
Manual Integrations
APPROVED

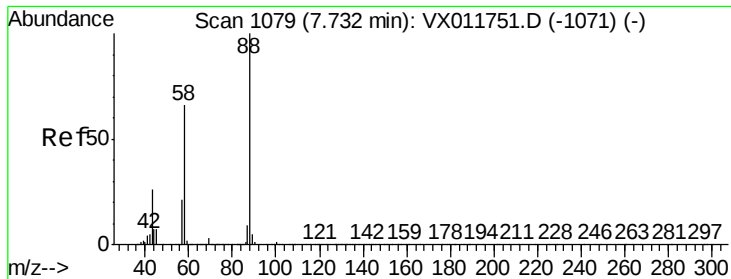
MMDadoda
8/23/2019 1:55:45 PM



#48
Methyl methacrylate
Concen: 18.296 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.0	69.4	104.2	
39	53.2	43.6	65.4	





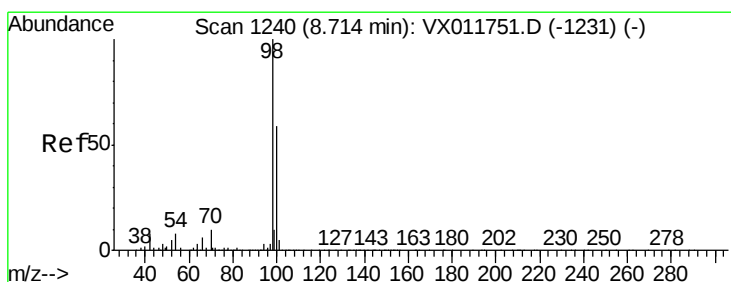
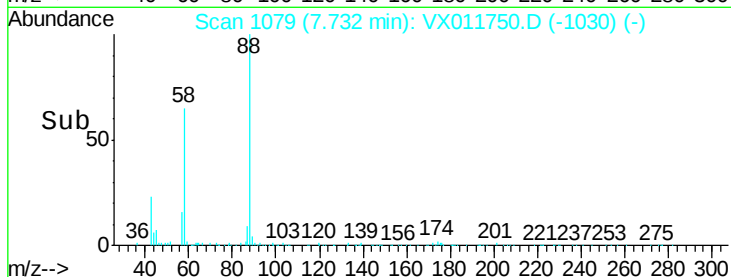
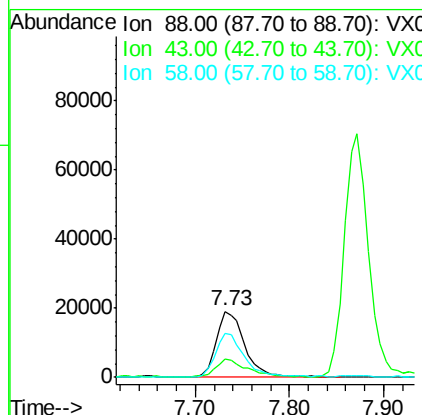
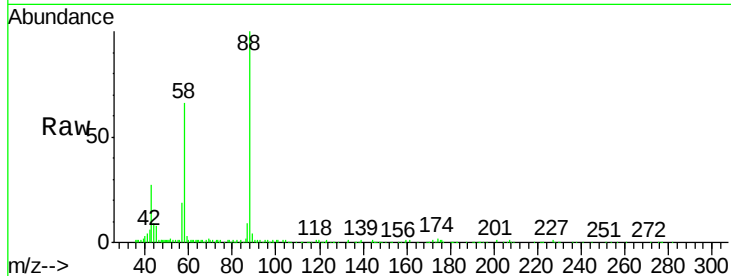
#49
1,4-Dioxane
Concen: 367.016 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	24.6	37.0
58	67.6	51.4	77.2

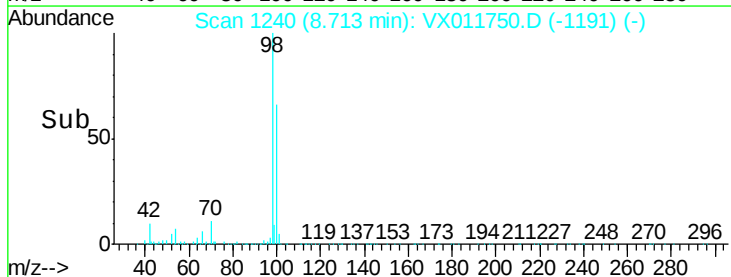
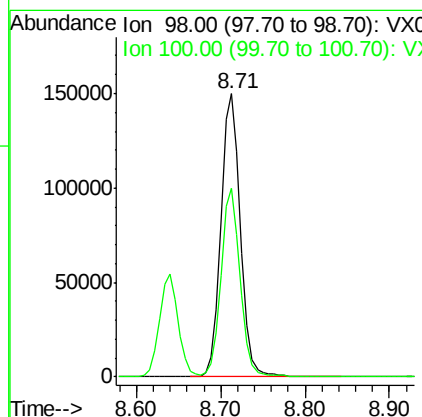
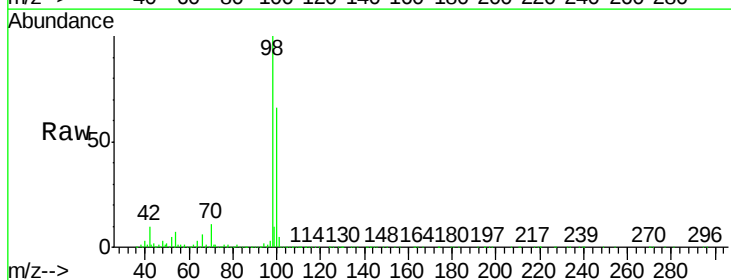
Manual Integrations
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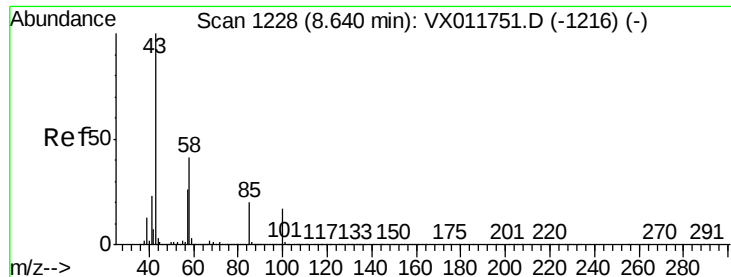
MMDadoda
8/23/2019 1:55:45 PM



#50
Toluene-d8
Concen: 20.703 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 93.328 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 494759

Ion Ratio Lower Upper

43 100

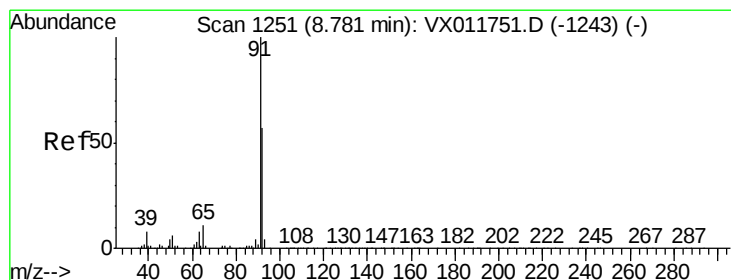
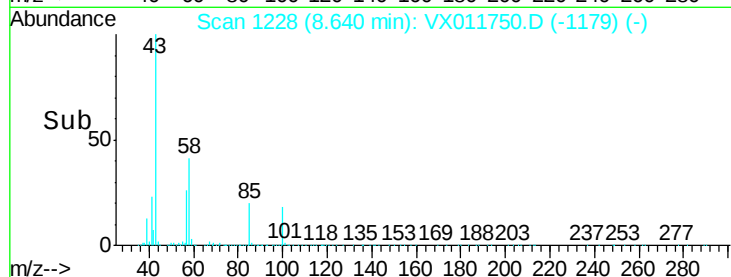
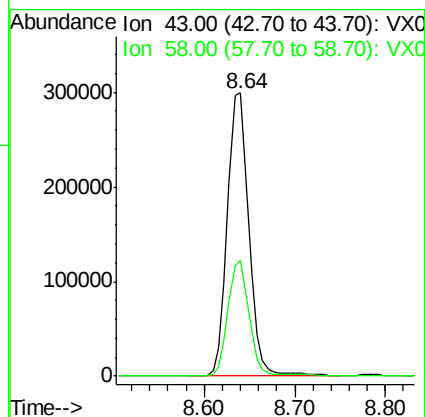
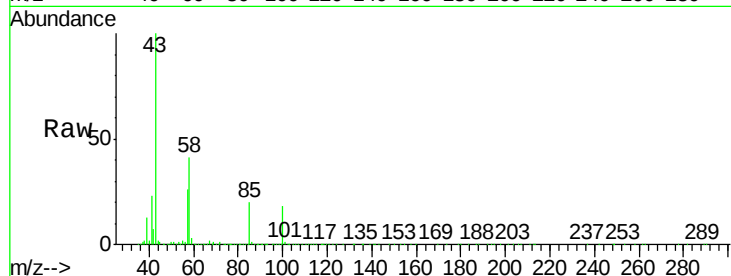
58 39.8 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 19.029 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011750.D

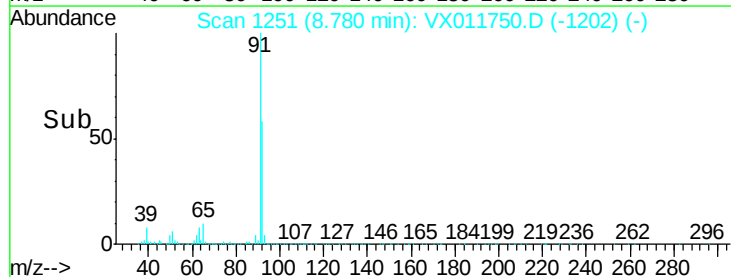
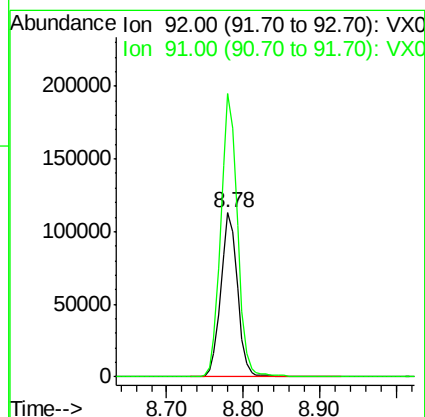
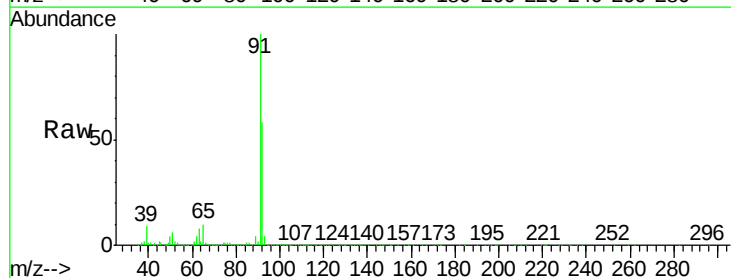
Acq: 22 Aug 2019 09:43

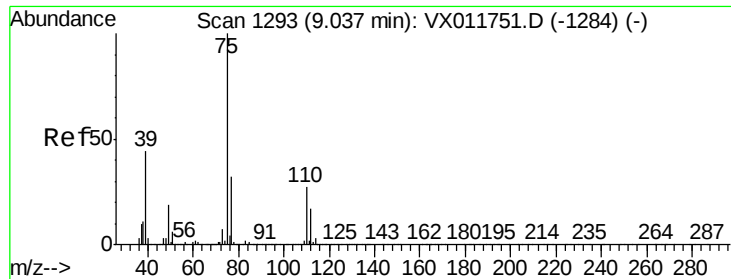
Tgt Ion: 92 Resp: 172106

Ion Ratio Lower Upper

92 100

91 172.3 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 18.447 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 90293

Ion Ratio Lower Upper

75 100

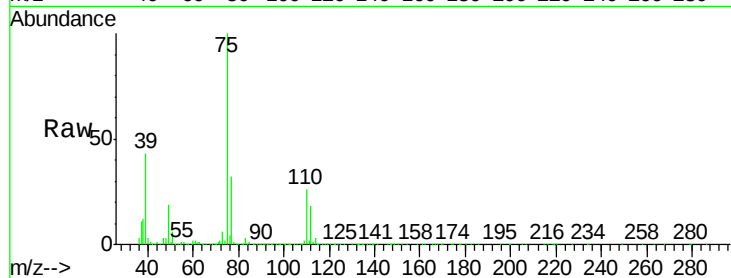
77 31.9 25.4 38.0

Manual Integrations

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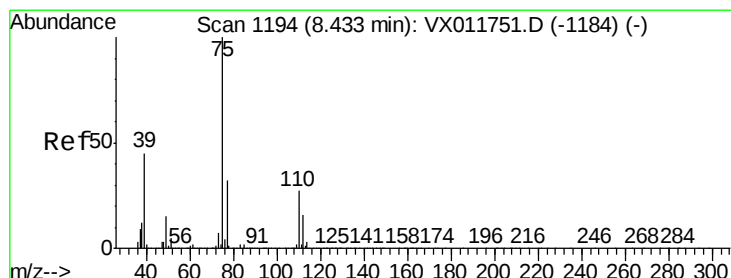
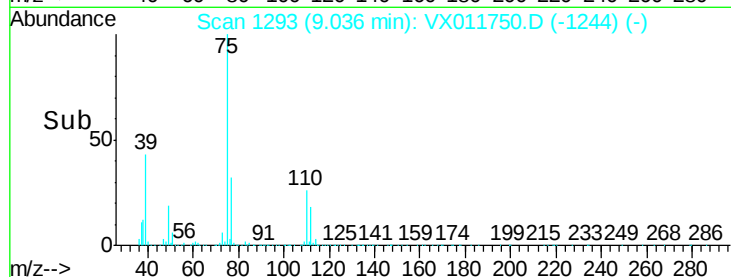
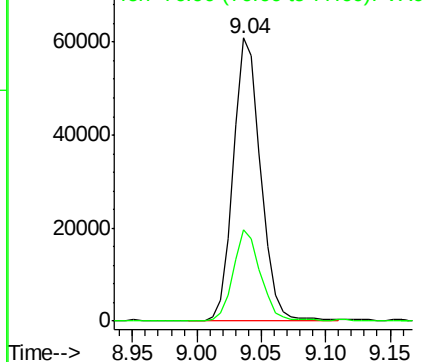
MMDadoda

8/23/2019 1:55:45 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.970 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

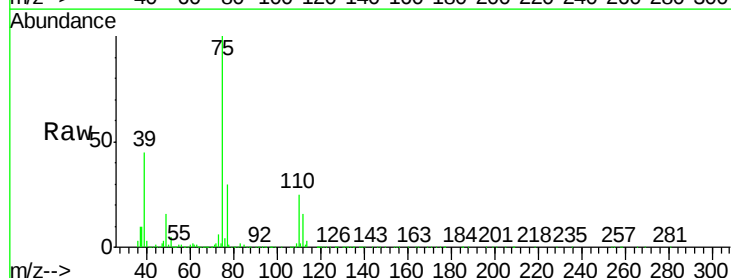
Tgt Ion: 75 Resp: 101391

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.2

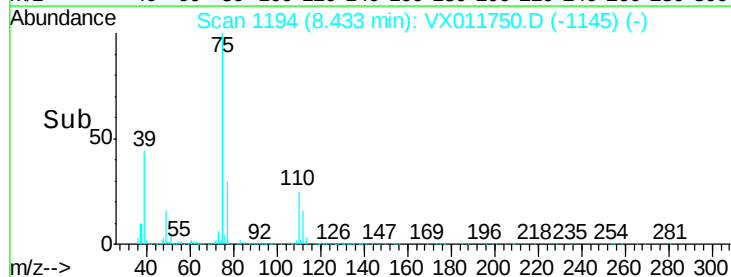
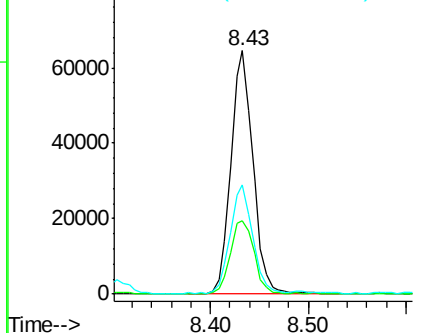
39 44.2 36.2 54.4

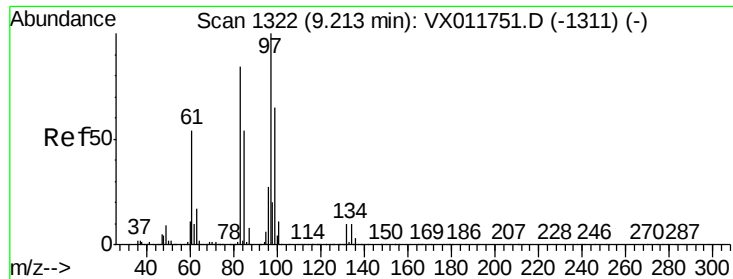


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





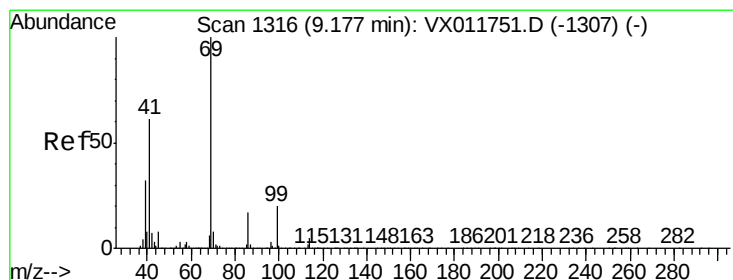
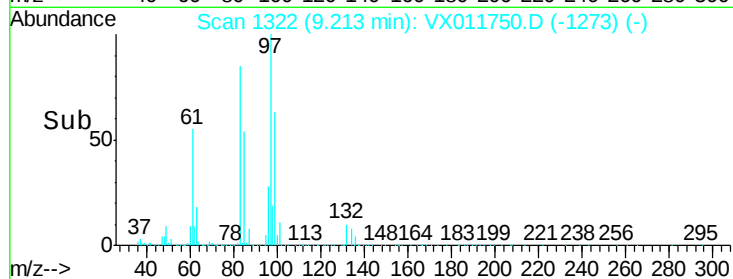
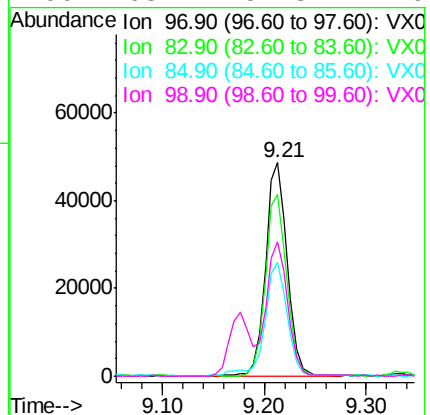
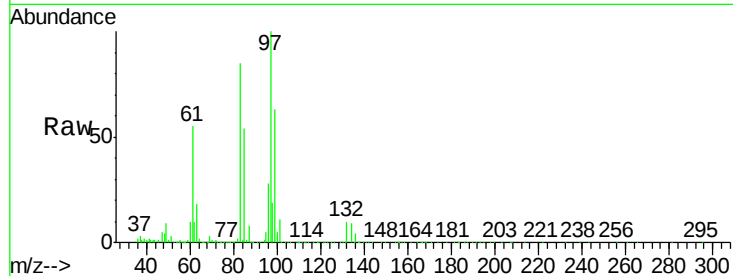
#55
 1,1,2-Trichloroethane
 Concen: 18.773 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	72001
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.3	100.9
85	53.4	43.4	65.2
99	63.1	51.8	77.6

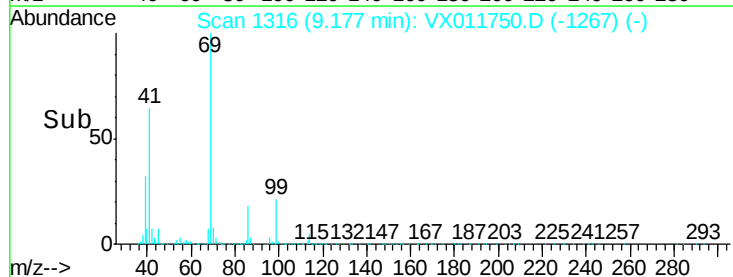
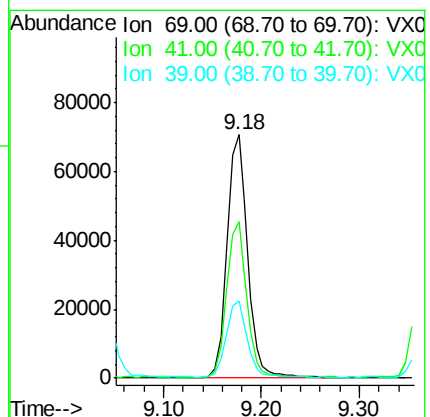
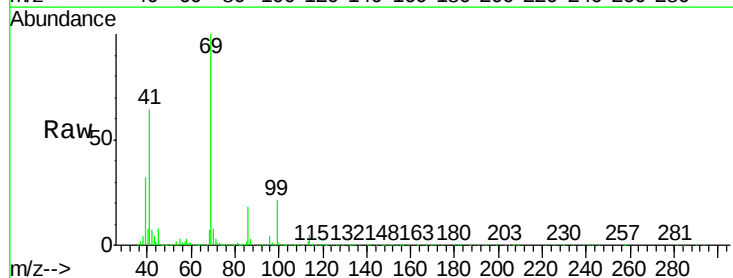
Manual Integrations
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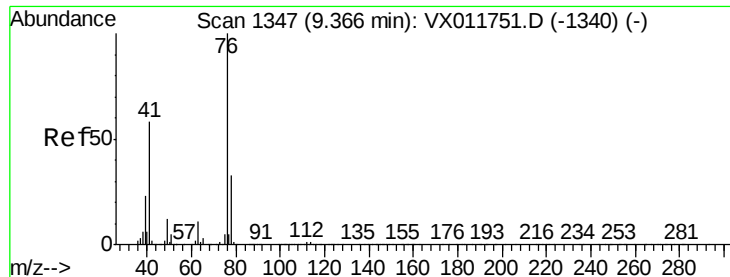
MMDadoda
 8/23/2019 1:55:45 PM



#56
 Ethyl methacrylate
 Concen: 18.347 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion:	69	Resp:	102150
Ion	Ratio	Lower	Upper
69	100		
41	62.9	50.7	76.1
39	32.4	26.4	39.6





#57

1,3-Dichloropropane

Concen: 18.617 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 112703

Ion Ratio Lower Upper

76 100

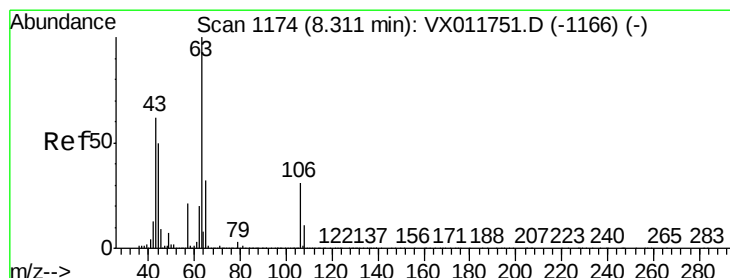
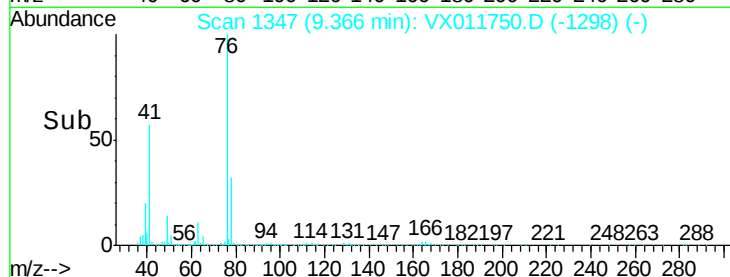
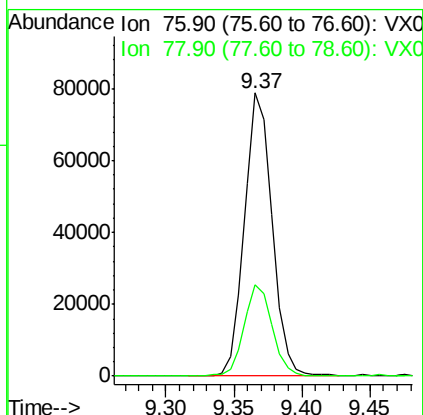
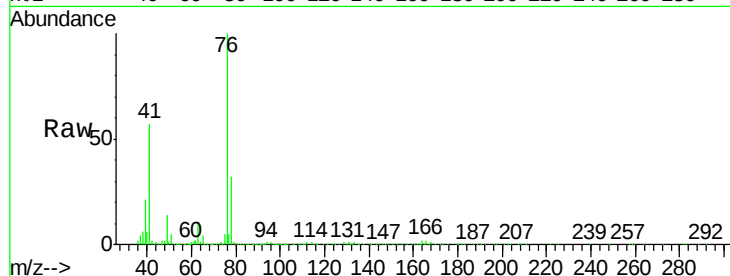
78 32.6 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 1:55:45 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.799 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011750.D

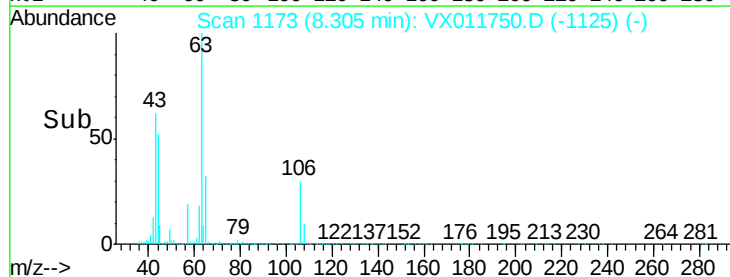
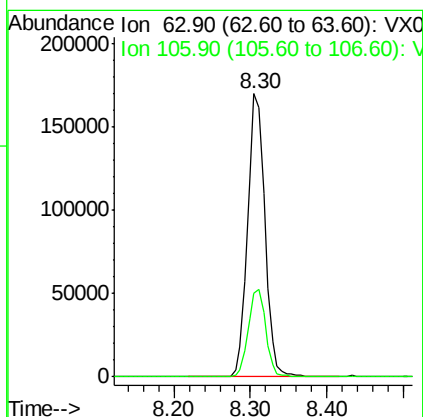
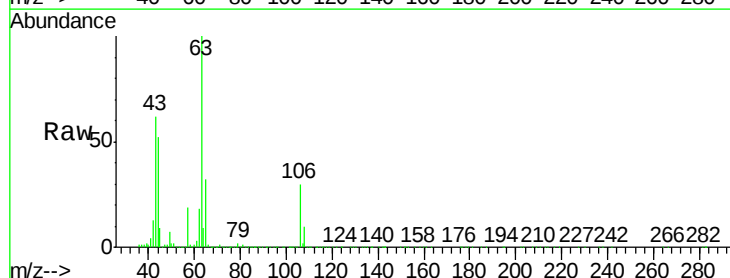
Acq: 22 Aug 2019 09:43

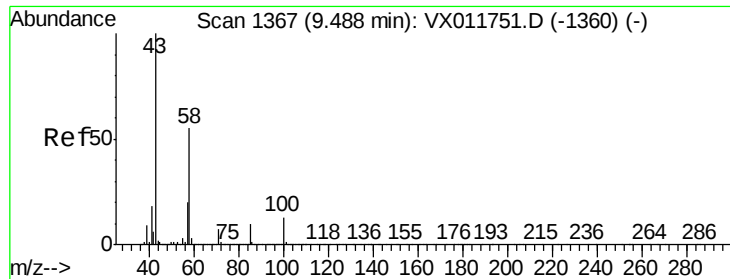
Tgt Ion: 63 Resp: 268633

Ion Ratio Lower Upper

63 100

106 31.3 24.9 37.3





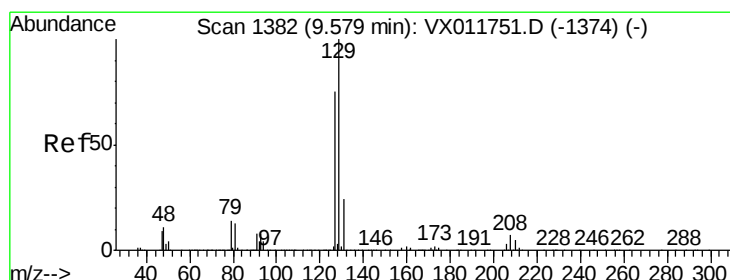
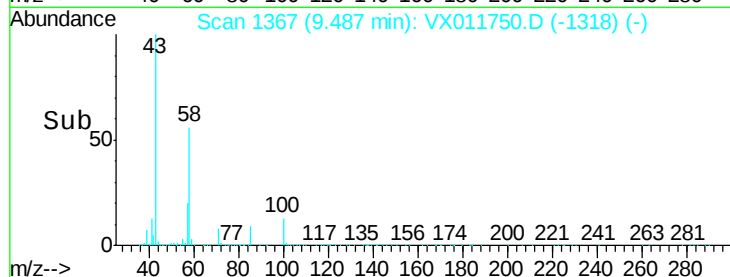
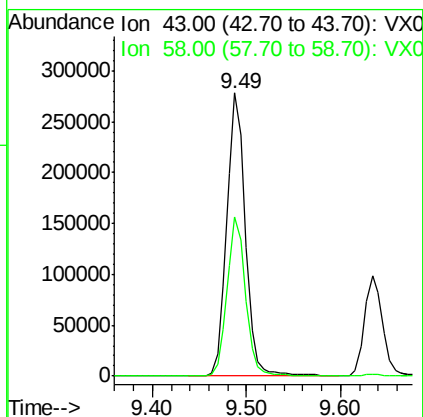
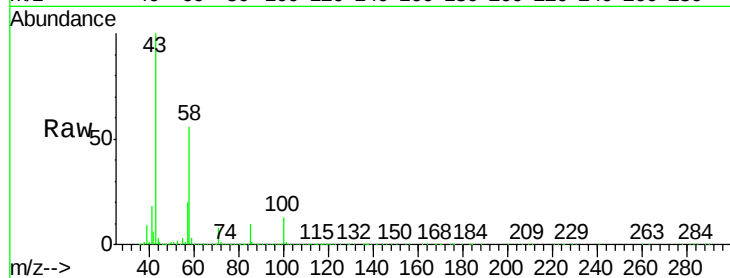
#59
2-Hexanone
Concen: 92.853 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	27.7	83.1

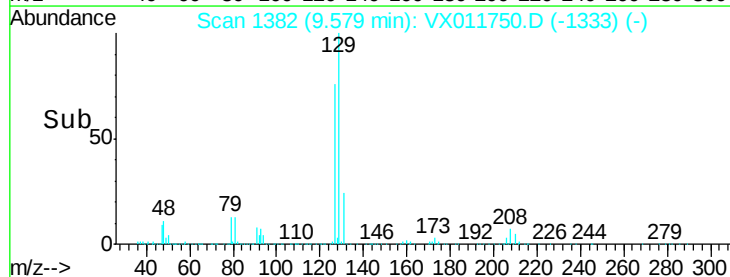
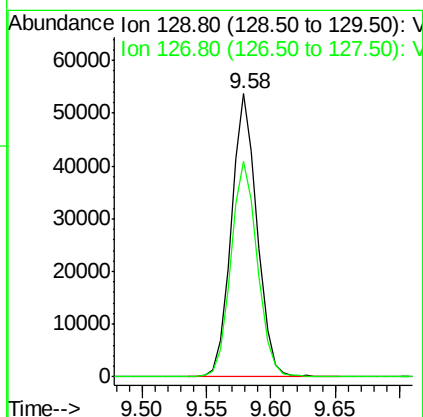
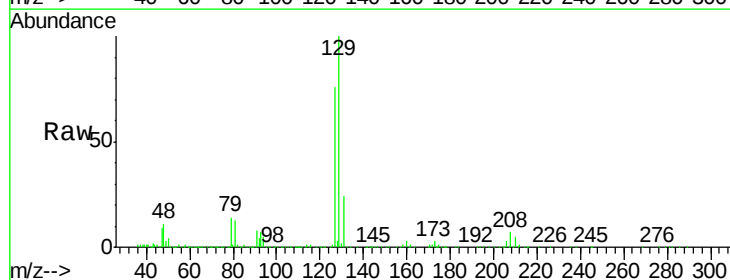
Manual Integrations
APPROVED

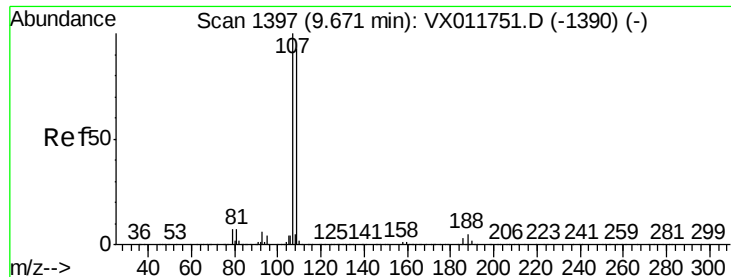
MMDadoda
8/23/2019 1:55:45 PM



#60
Dibromochloromethane
Concen: 18.632 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.8





#61

1,2-Dibromoethane

Concen: 18.752 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 76881

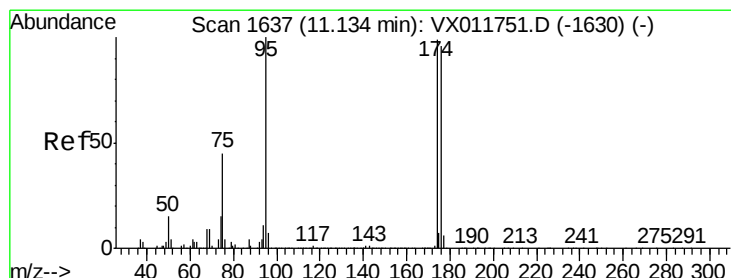
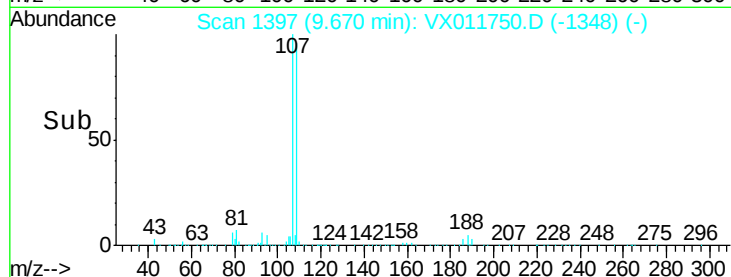
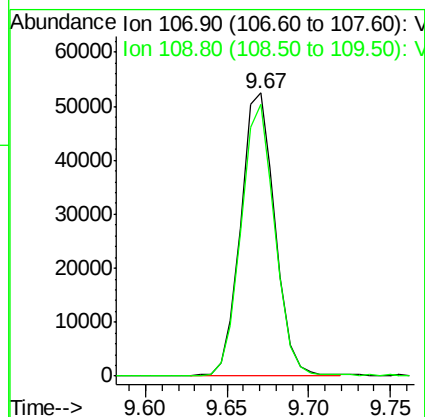
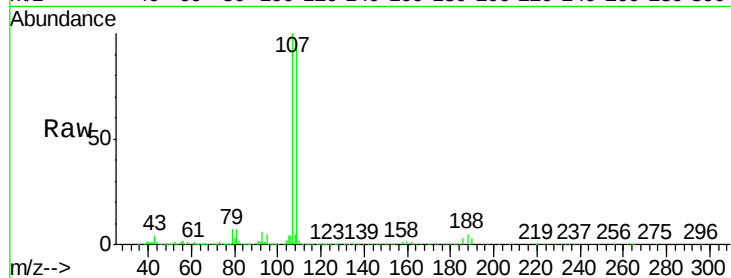
Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8

Manual Integrations
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8/23/2019 1:55:45 PM



#62

4-Bromofluorobenzene

Concen: 18.241 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

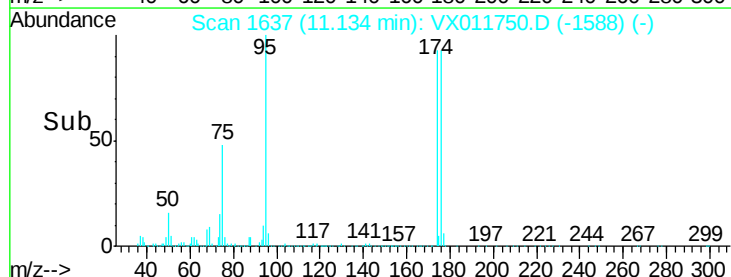
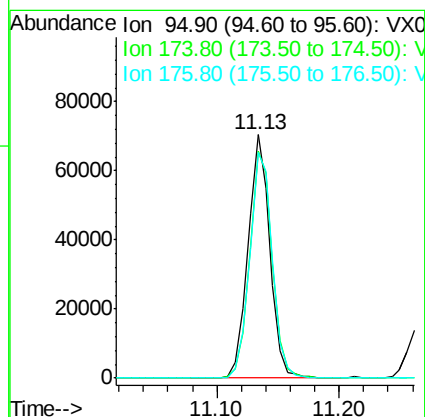
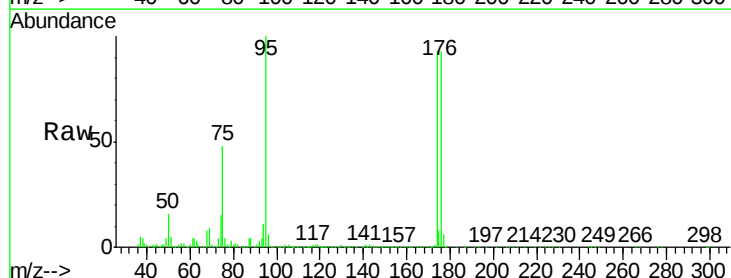
Tgt Ion: 95 Resp: 86584

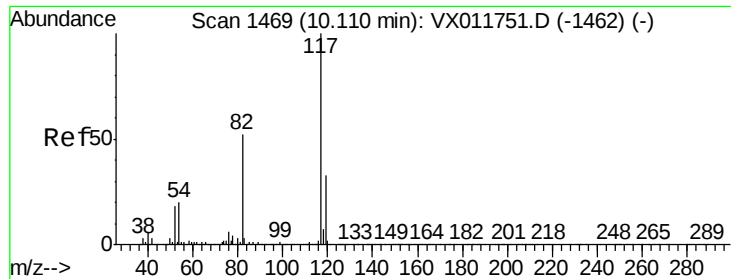
Ion Ratio Lower Upper

95 100

174 96.9 0.0 197.4

176 96.9 0.0 194.4





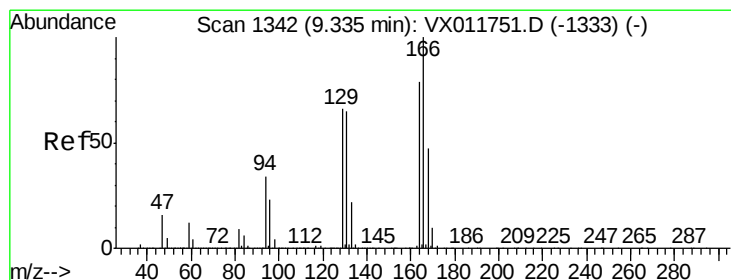
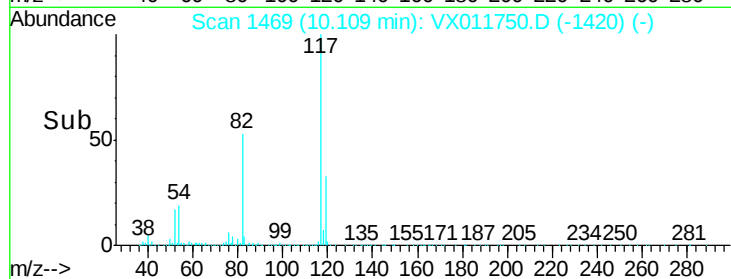
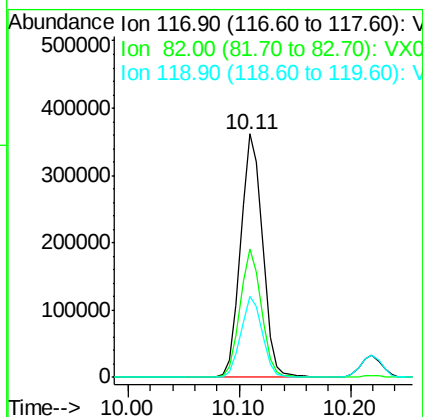
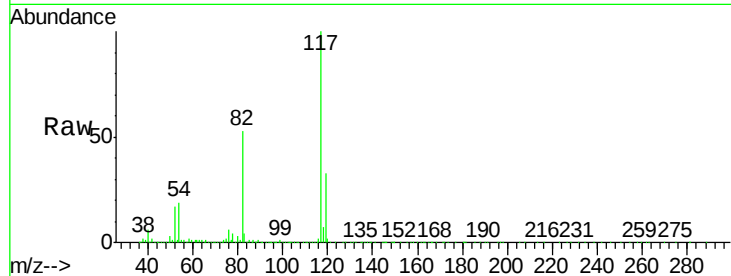
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	493625		
82	52.9	41.7	62.5	
119	33.3	26.2	39.2	

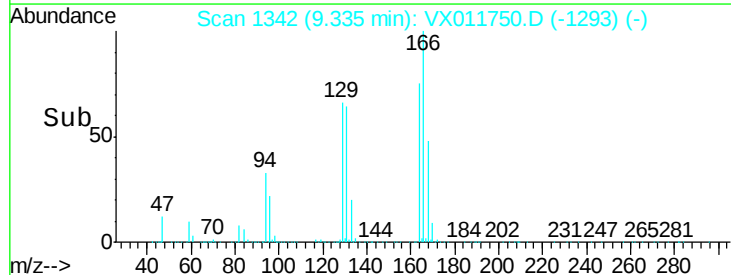
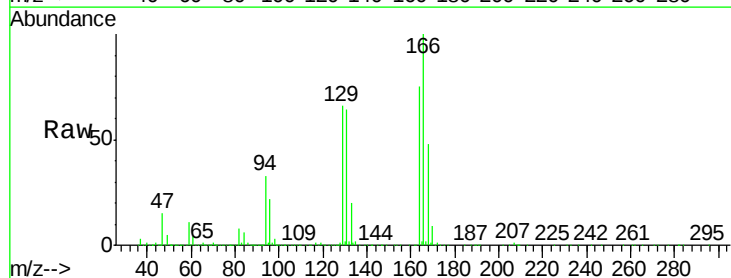
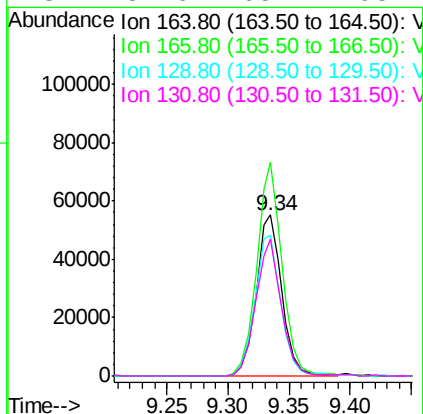
Manual Integrations
APPROVED

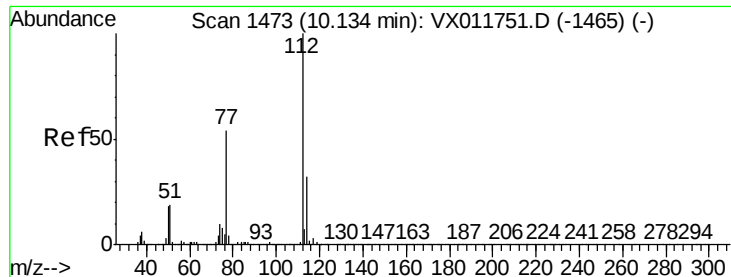
MMDadoda
8/23/2019 1:55:45 PM



#64
Tetrachloroethene
Concen: 19.767 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80648		
166	132.9	100.7	151.1	
129	87.1	66.8	100.2	
131	84.6	65.4	98.2	





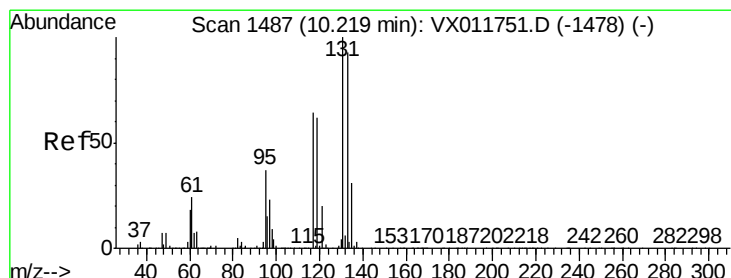
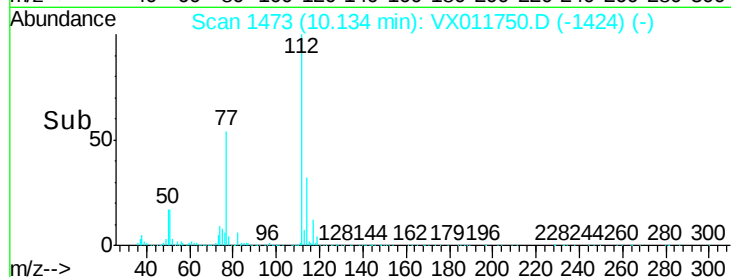
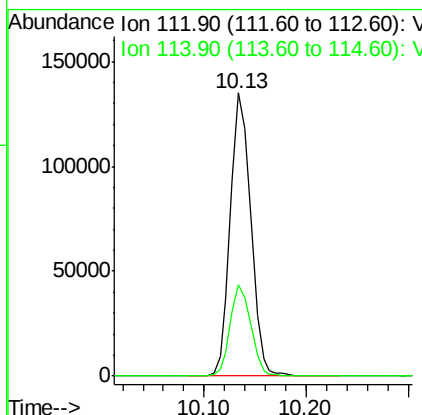
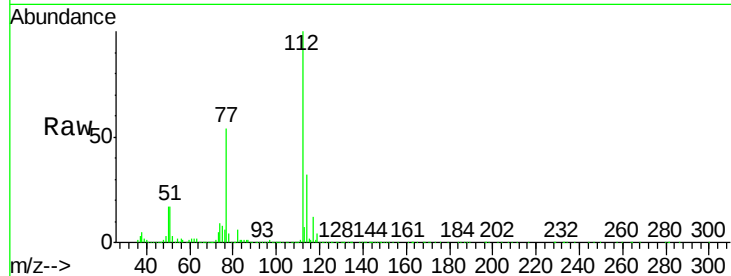
#65
Chlorobenzene
Concen: 18.147 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0

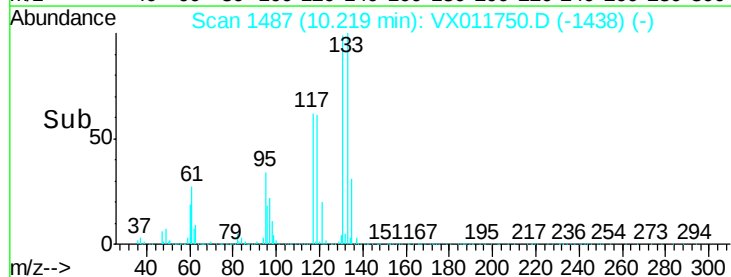
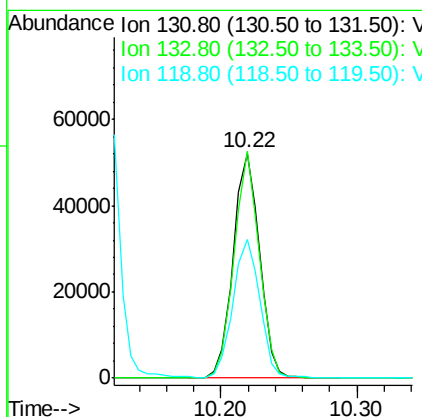
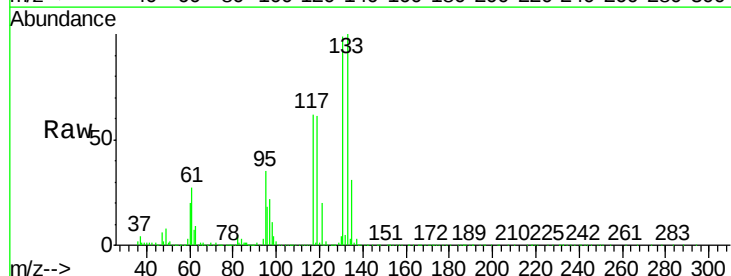
Manual Integrations
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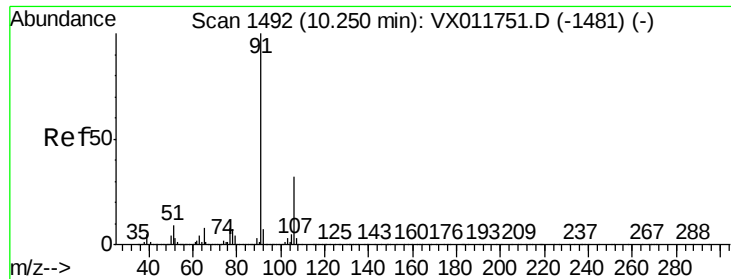
MMDadoda
8/23/2019 1:55:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.048 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.8	143.4
119	63.4	31.3	93.8





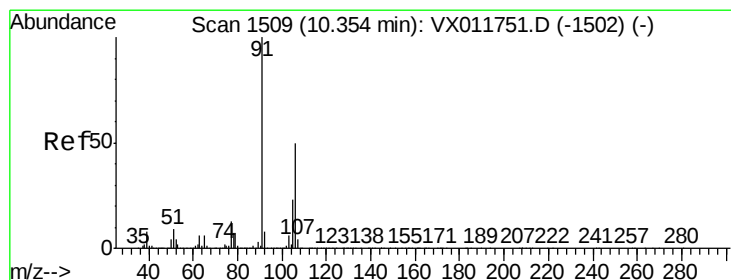
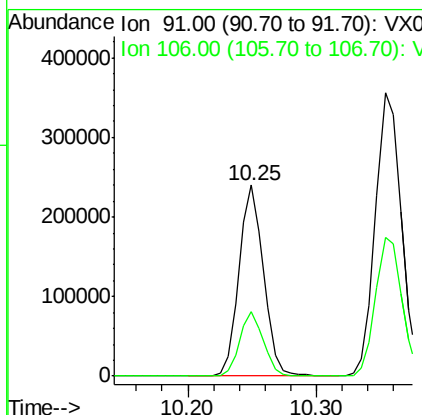
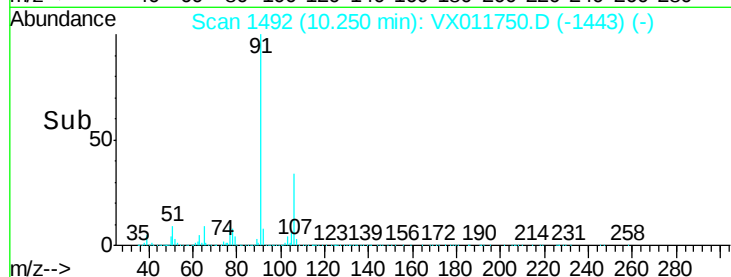
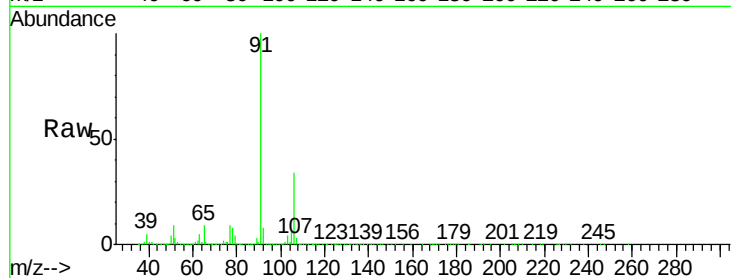
#67
Ethyl Benzene
Concen: 18.058 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.7	25.5	38.3

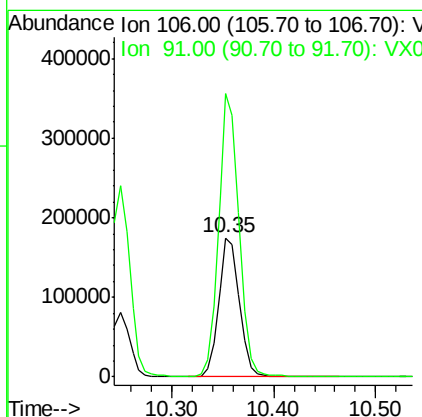
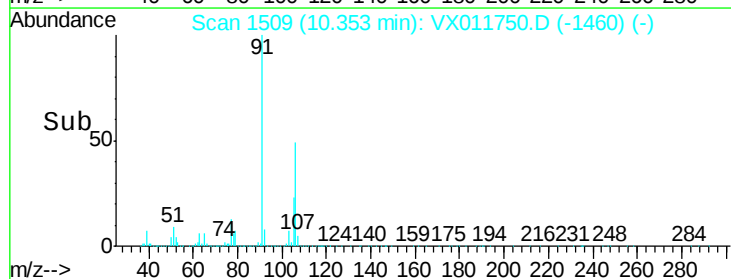
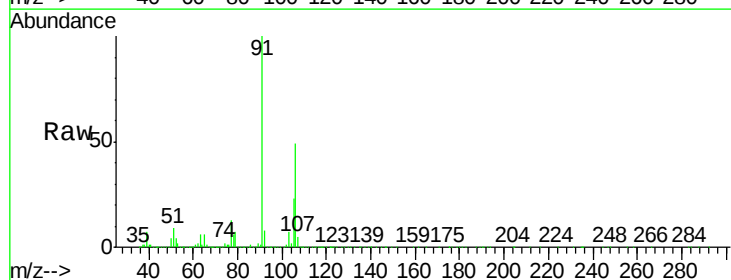
Manual Integrations
APPROVED

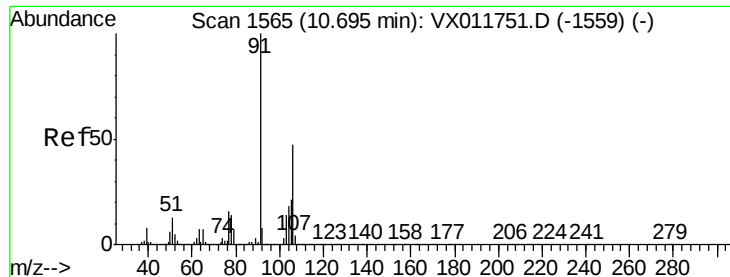
MMDadoda
8/23/2019 1:55:45 PM



#68
m/p-Xylenes
Concen: 36.822 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.0	158.3	237.5





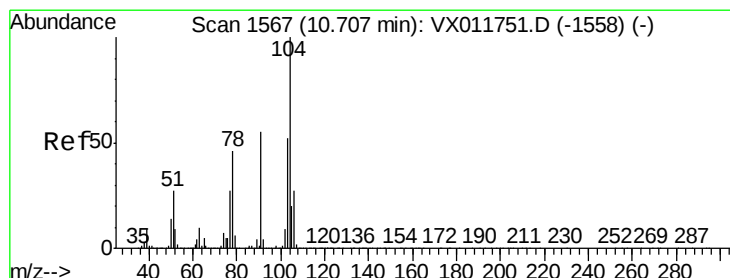
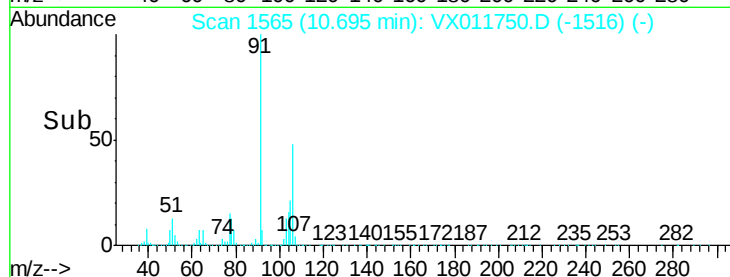
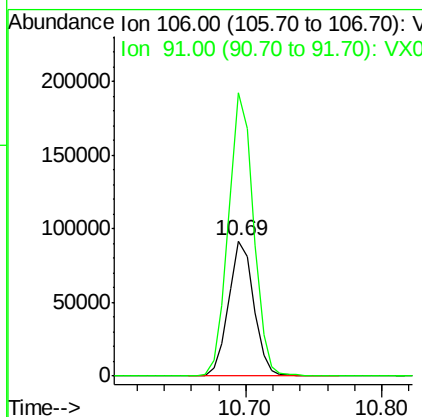
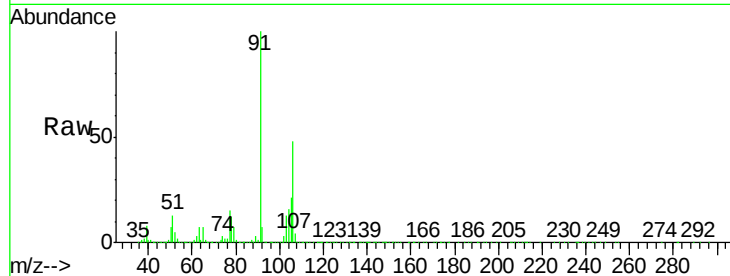
#69
o-Xylene
Concen: 17.940 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	105.0	314.9

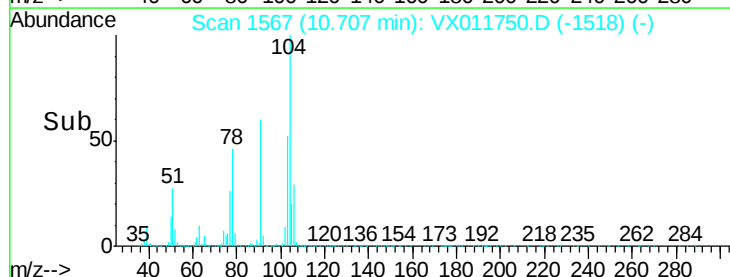
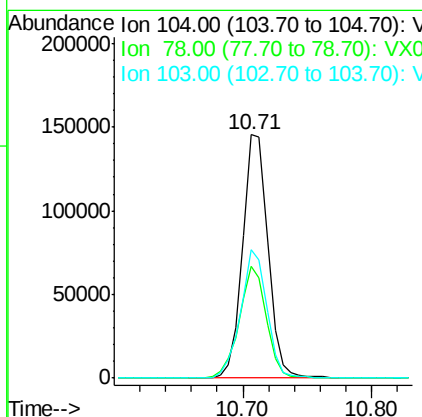
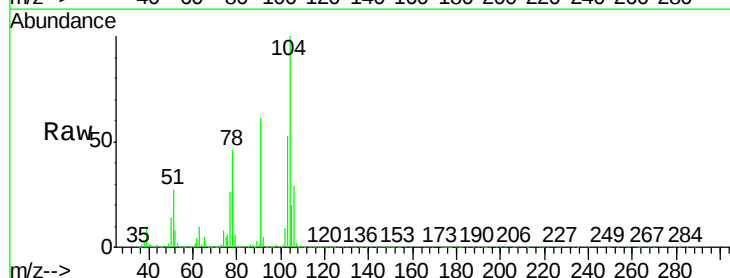
Manual Integrations
APPROVED

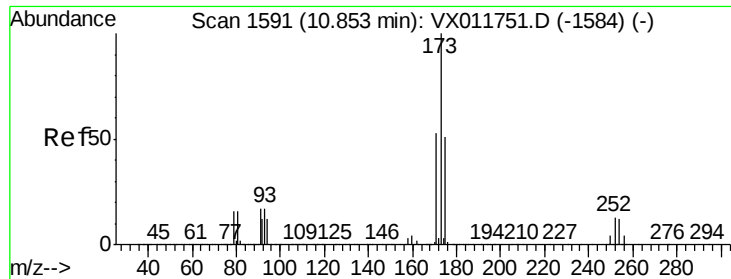
MMDadoda
8/23/2019 1:55:45 PM



#70
Styrene
Concen: 17.949 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.2	58.8
103	54.8	44.5	66.7





#71

Bromoform

Concen: 17.574 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

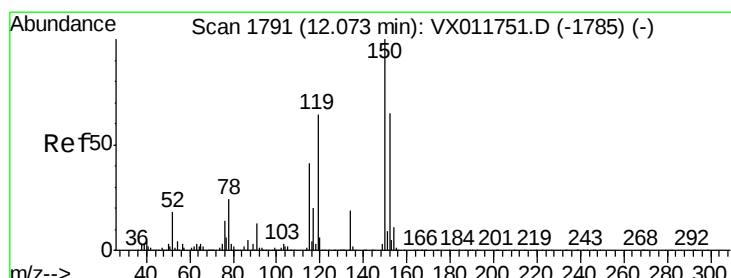
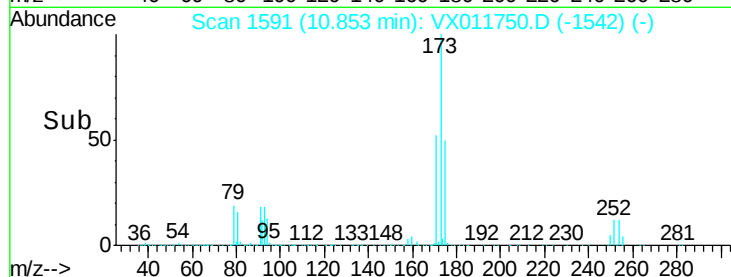
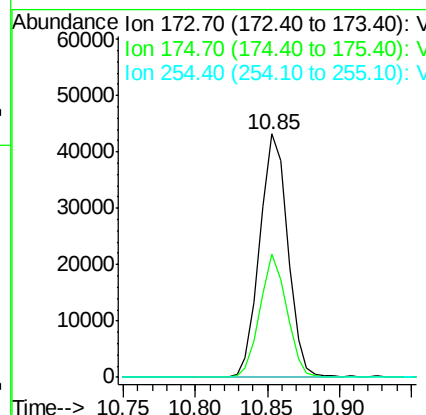
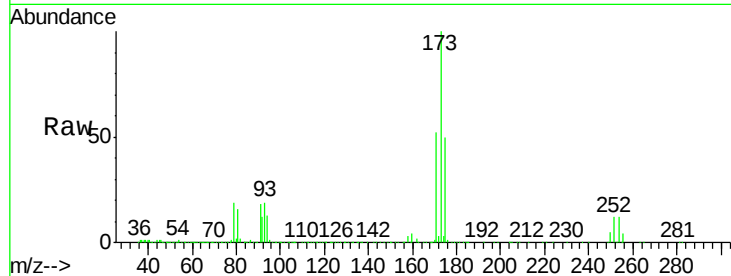
ClientSampleId :

VSTDIC020

Tot Ion:	173	Resp:	57966
Ion Ratio	Lower	Upper	
173	100		
175	48.7	25.1	75.3
254	0.2	0.2	0.4

Manual Integrations
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8/23/2019 1:55:45 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

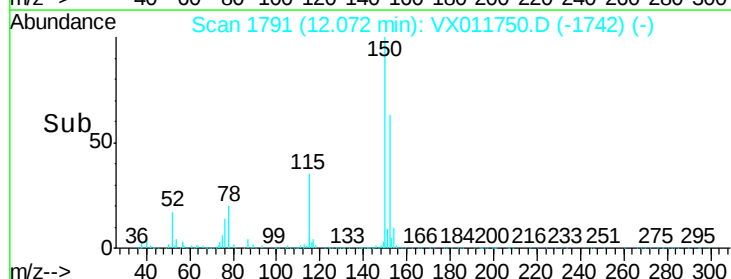
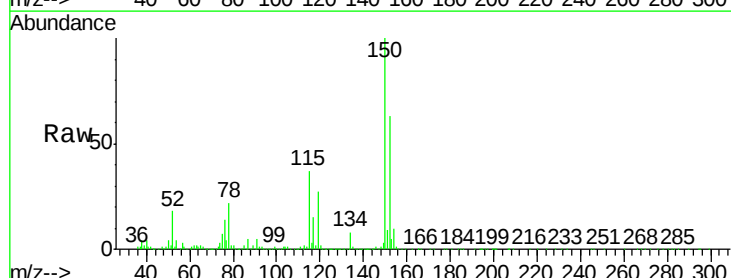
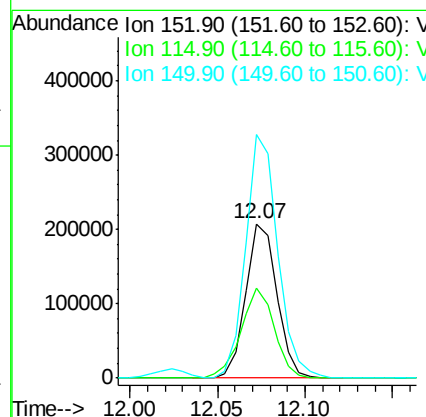
RT: 12.07 min Scan# 1791

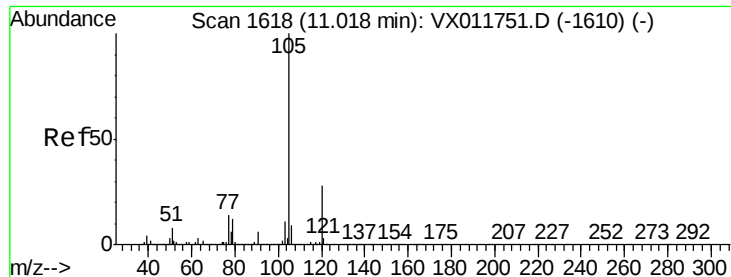
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	152	Resp:	258147
Ion Ratio	Lower	Upper	
152	100		
115	62.1	37.3	111.8
150	162.6	0.0	343.0





#73

Isopropylbenzene

Concen: 19.690 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 326001

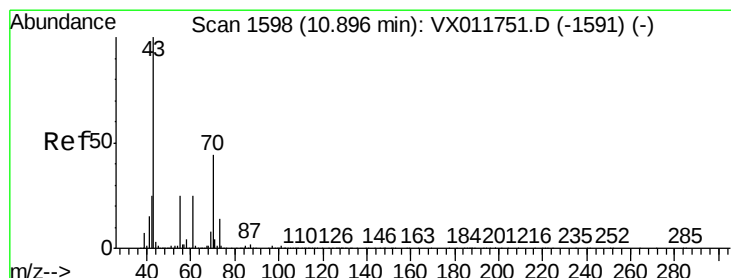
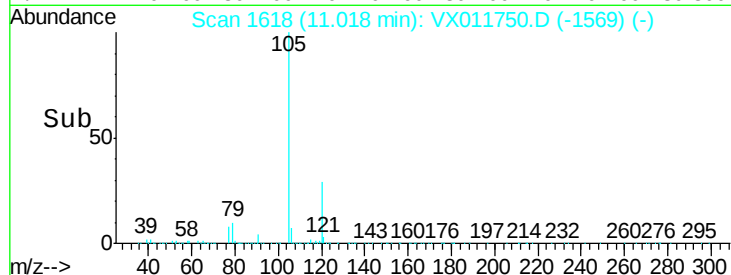
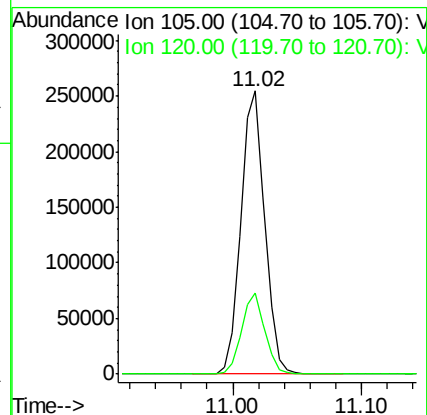
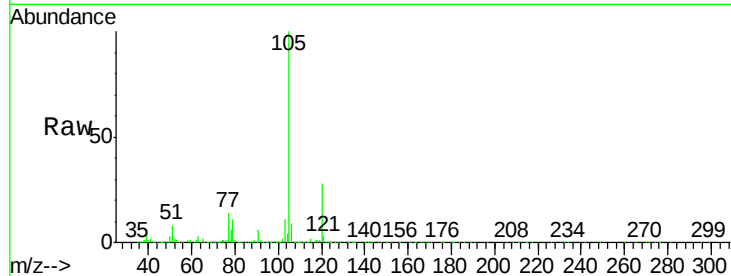
Ion Ratio Lower Upper

105 100

120 27.9 13.9 41.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.075 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion: 43 Resp: 125541

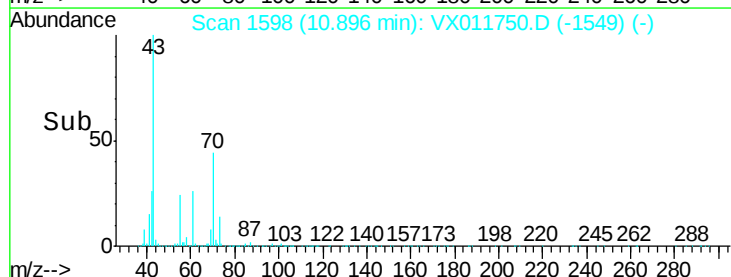
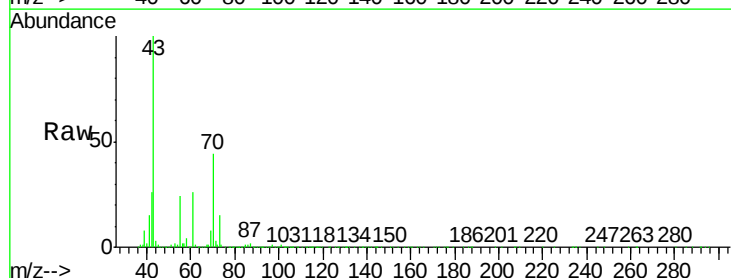
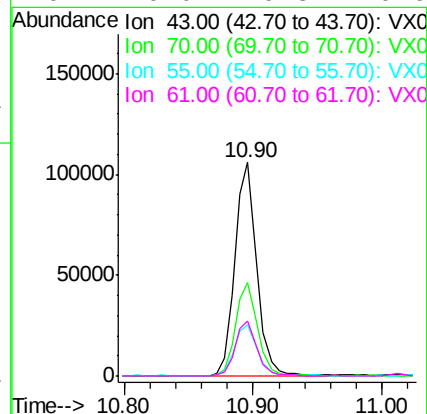
Ion Ratio Lower Upper

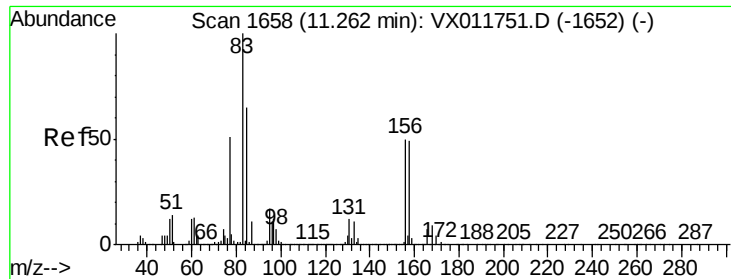
43 100

70 44.3 34.8 52.2

55 25.1 19.5 29.3

61 26.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.594 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

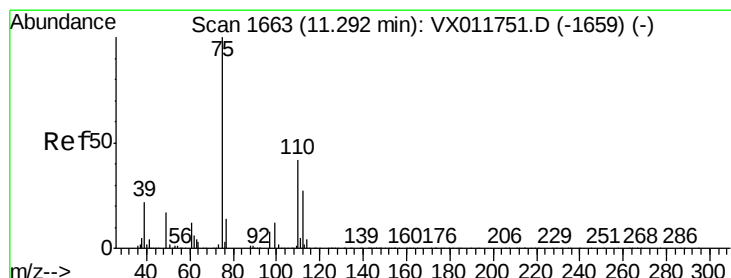
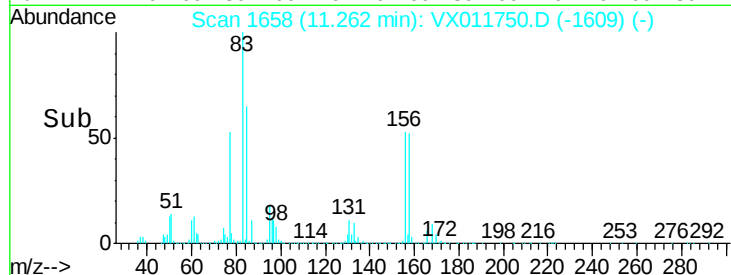
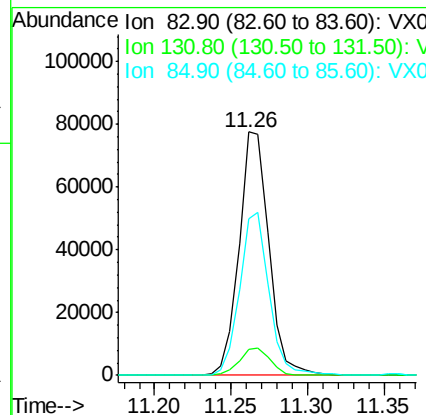
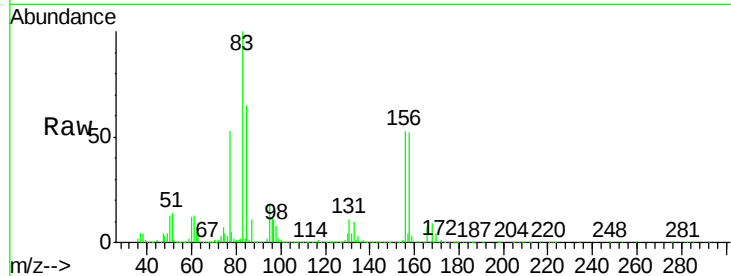
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	104741
Ion Ratio	Lower	Upper	
83	100		
131	11.8	6.1	18.3
85	65.7	32.4	97.0

Manual Integrations
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8/23/2019 1:55:45 PM



#76

1,2,3-Trichloropropane

Concen: 19.028 ug/l m

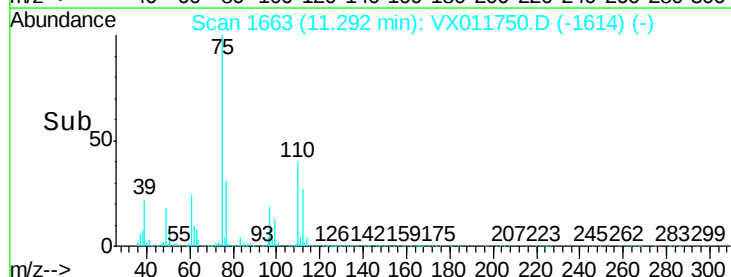
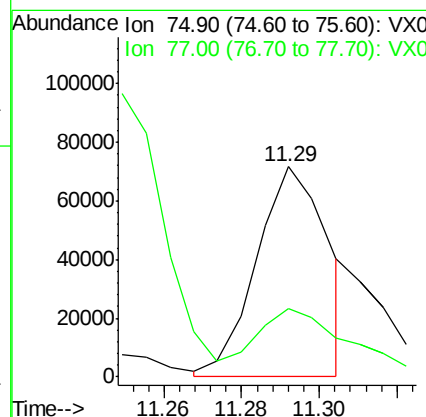
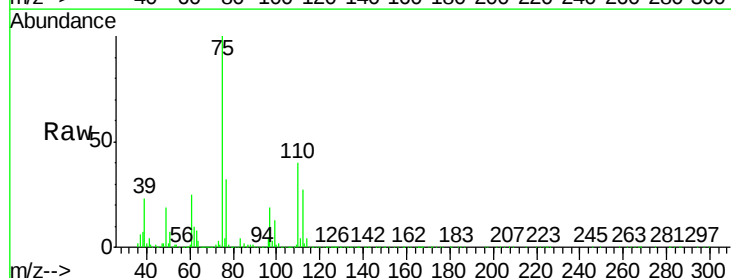
RT: 11.29 min Scan# 1663

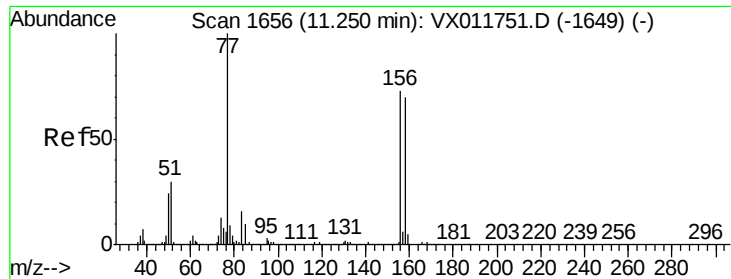
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	75	Resp:	91546
Ion Ratio	Lower	Upper	
75	100		
77	42.5	21.1	63.3





#77

Bromobenzene

Concen: 19.173 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 93922

Ion Ratio Lower Upper

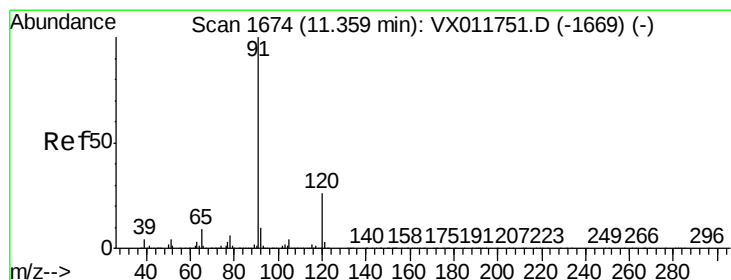
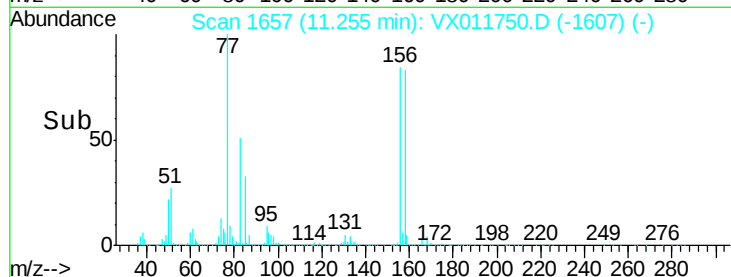
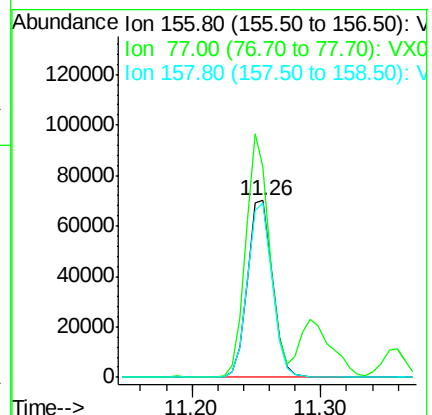
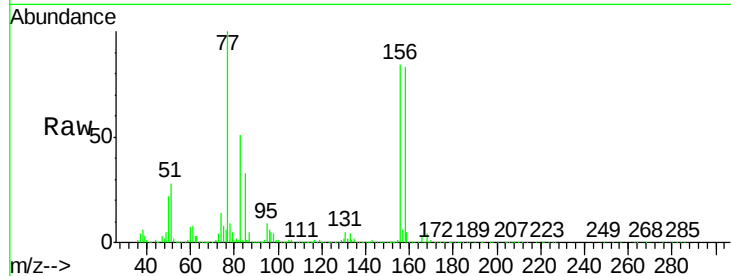
156 100

77 129.5 65.3 196.0

158 97.4 48.4 145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 19.643 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011750.D

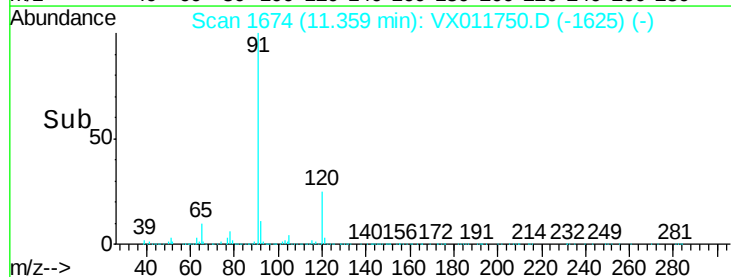
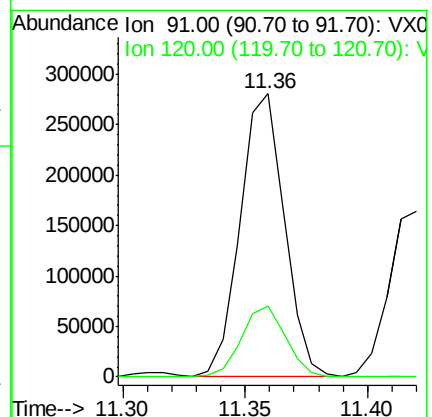
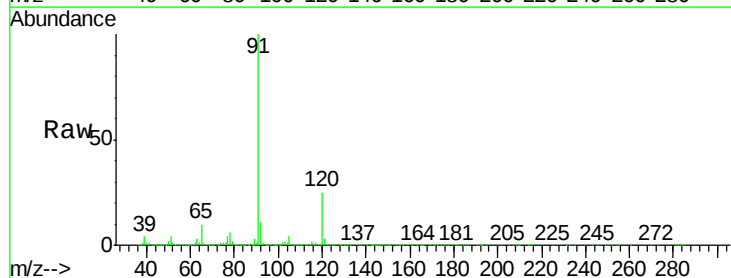
Acq: 22 Aug 2019 09:43

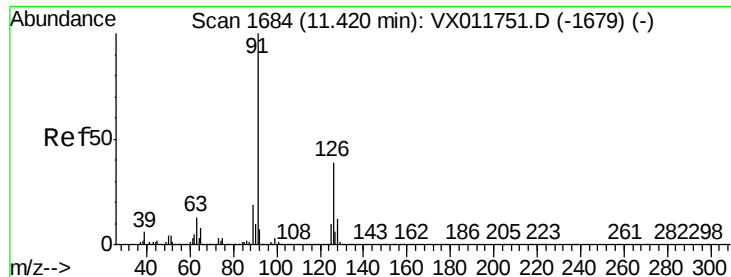
Tgt Ion: 91 Resp: 350619

Ion Ratio Lower Upper

91 100

120 25.0 12.7 38.1





#79

2-Chlorotoluene

Concen: 19.096 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 209056

Ion Ratio Lower Upper

91 100

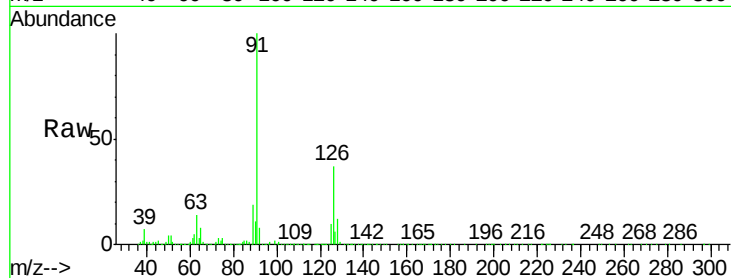
126 36.7 18.6 55.6

Manual Integrations

APPROVED

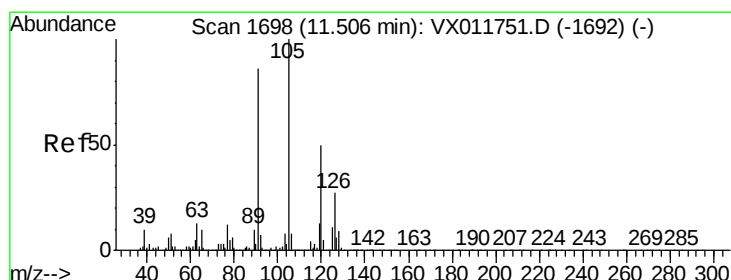
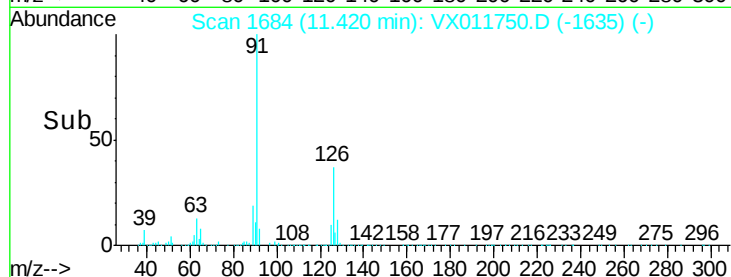
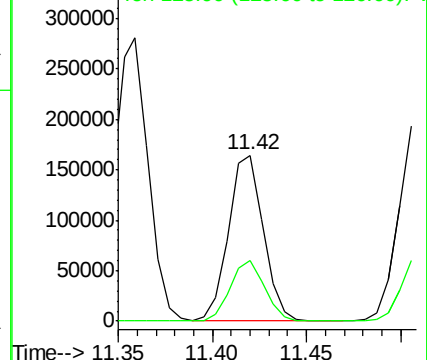
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.426 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011750.D

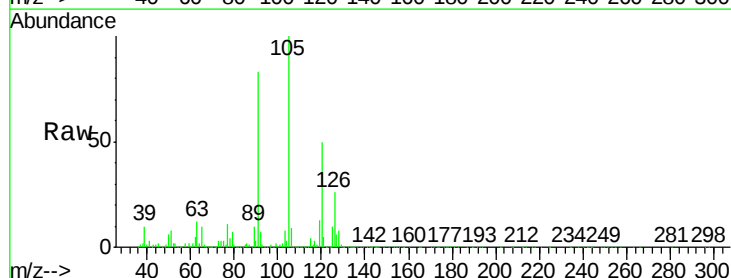
Acq: 22 Aug 2019 09:43

Tgt Ion: 105 Resp: 270200

Ion Ratio Lower Upper

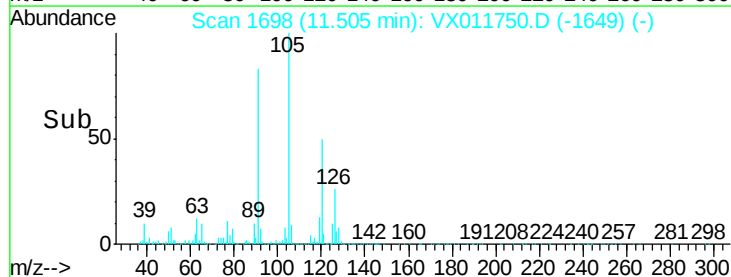
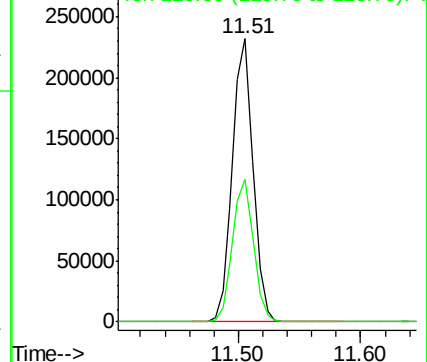
105 100

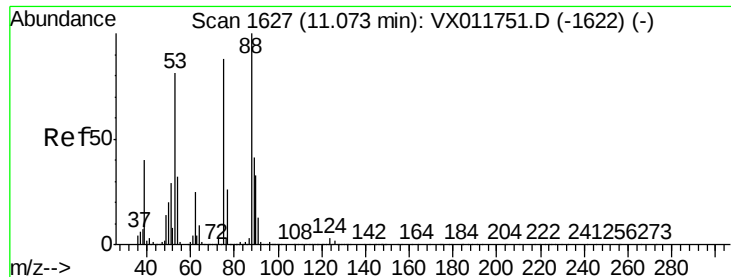
120 50.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





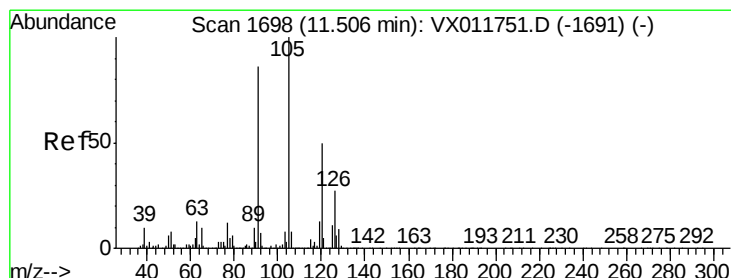
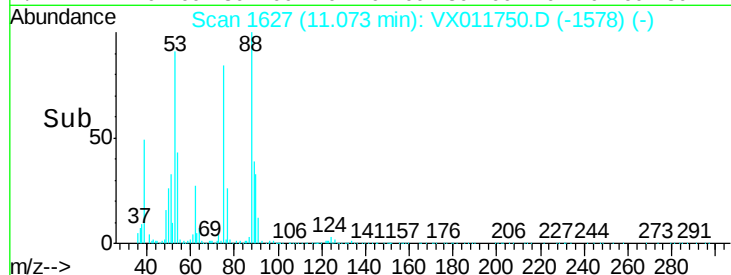
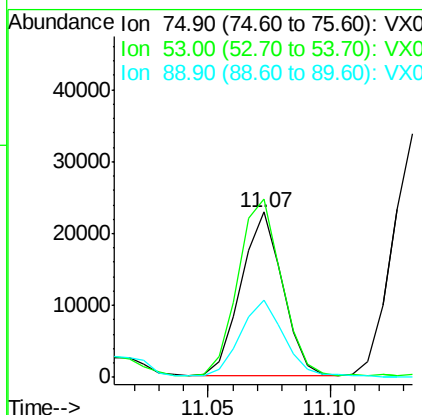
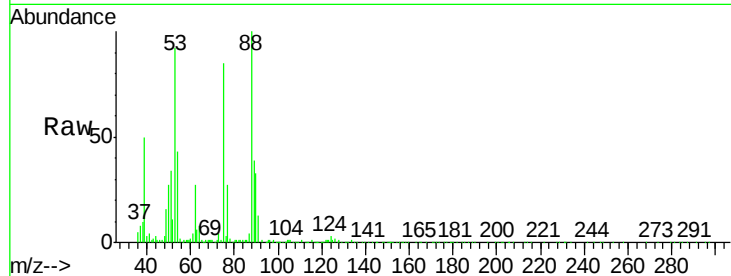
#81
trans-1,4-Dichloro-2-butene
Concen: 16.785 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.1	77.1	115.7
89	50.8	38.5	57.7

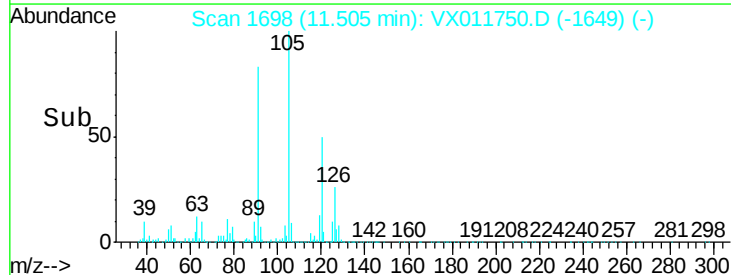
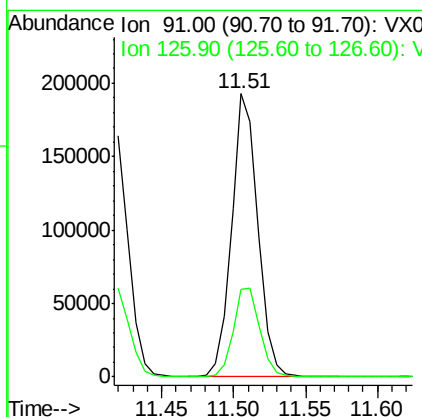
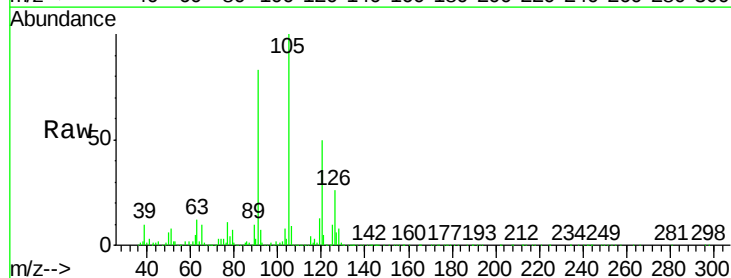
Manual Integrations
APPROVED

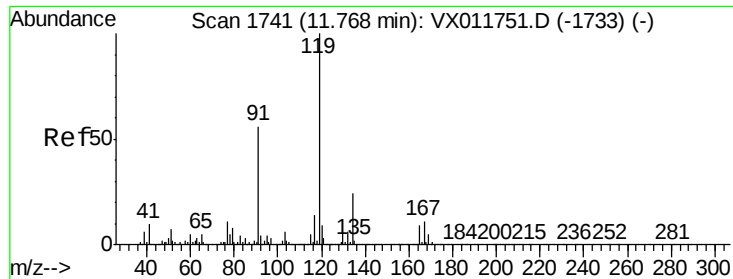
MMDadoda
8/23/2019 1:55:45 PM



#82
4-Chlorotoluene
Concen: 19.213 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.2	48.6





#83

tert-Butylbenzene

Concen: 18.732 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

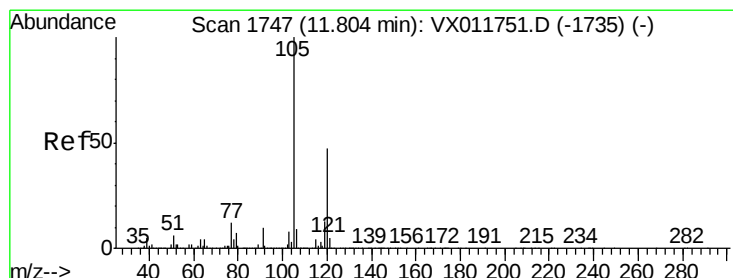
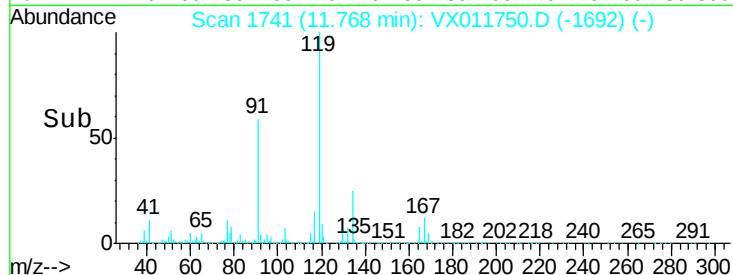
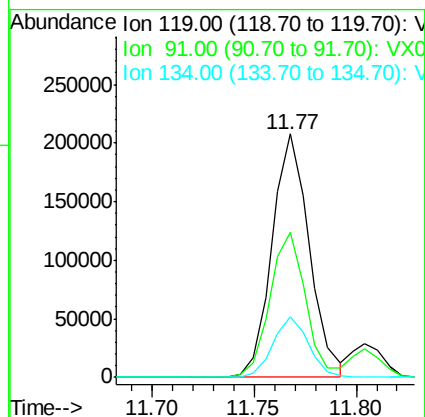
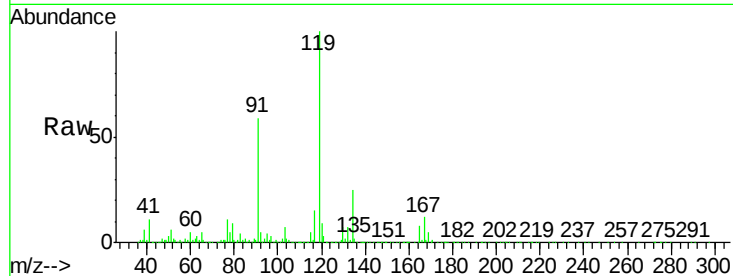
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	264397
Ion Ratio	Lower	Upper	
119	100		
91	57.4	27.7	83.1
134	24.0	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.924 ug/l

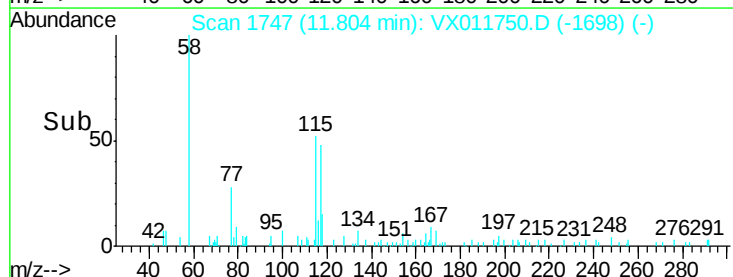
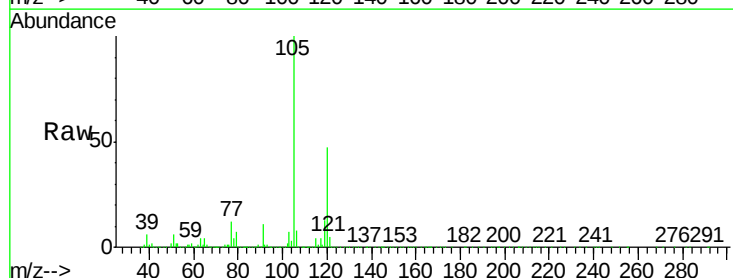
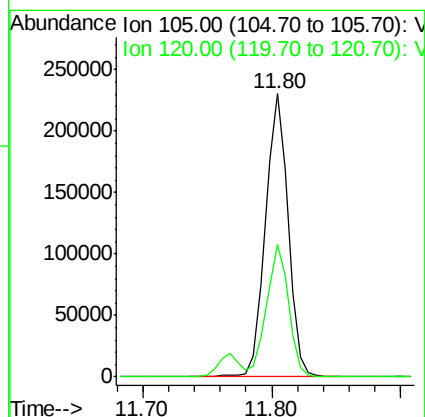
RT: 11.80 min Scan# 1747

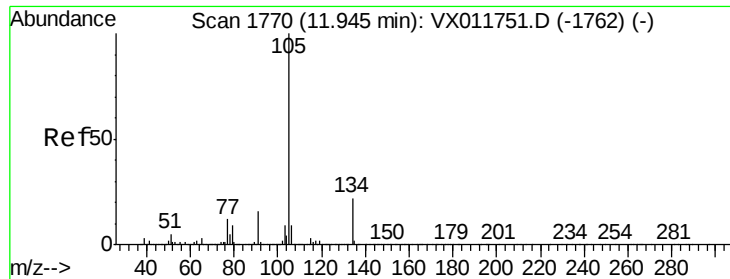
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	105	Resp:	277842
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.7	71.1





#85

sec-Butylbenzene

Concen: 19.036 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 301987

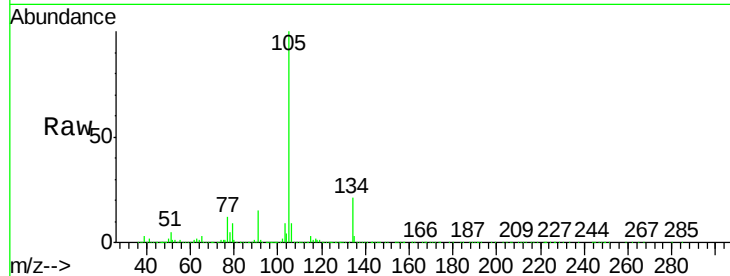
Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.3

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

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

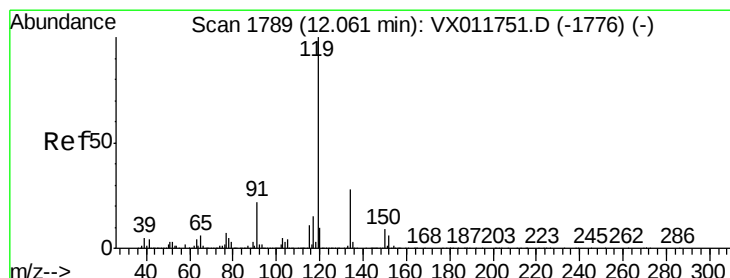
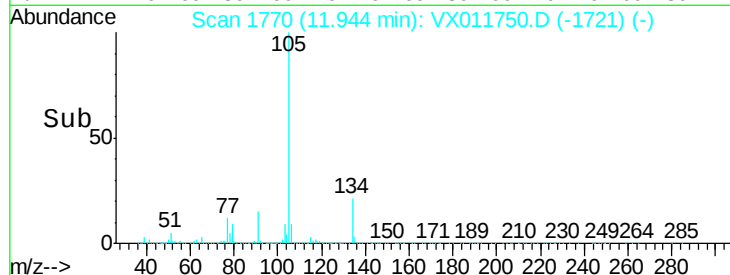
100000

50000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.483 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

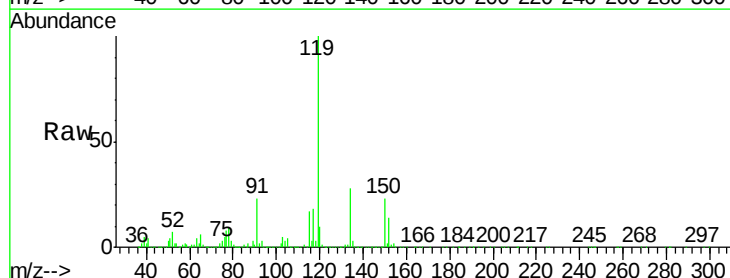
Tgt Ion:119 Resp: 292350

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 22.7 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

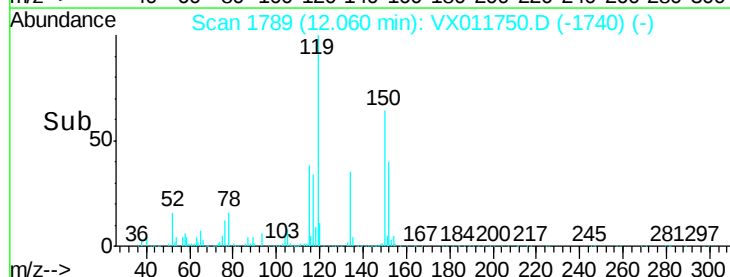
200000

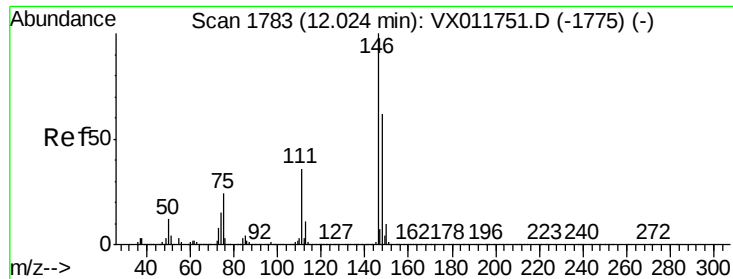
100000

0

12.00 12.10

Time-->





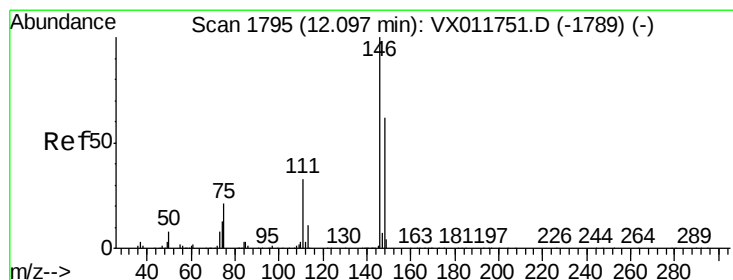
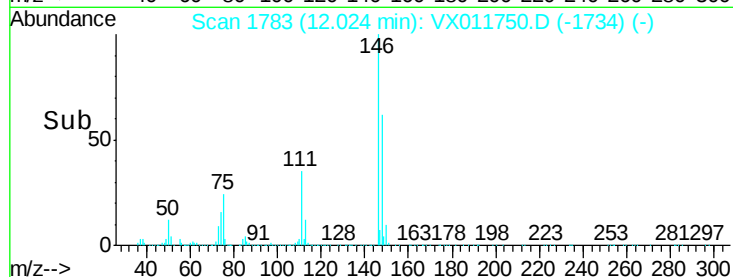
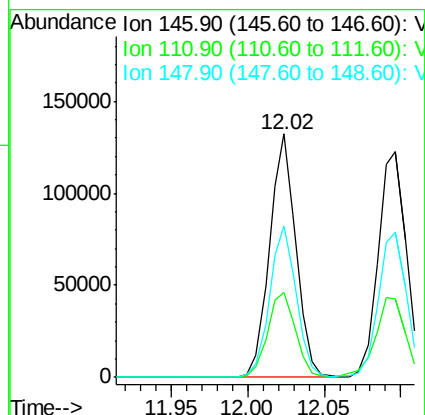
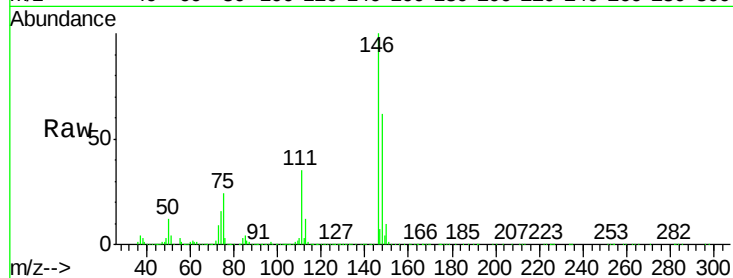
#87
 1,3-Dichlorobenzene
 Concen: 18.806 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	62.9	31.6	94.7

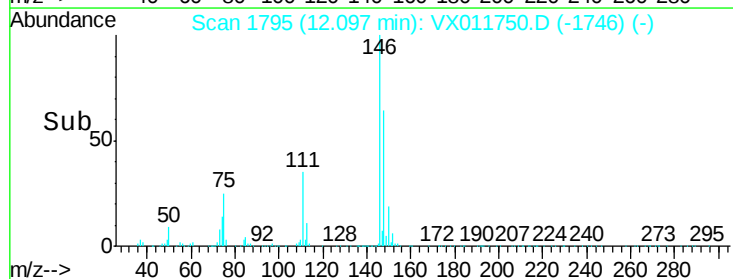
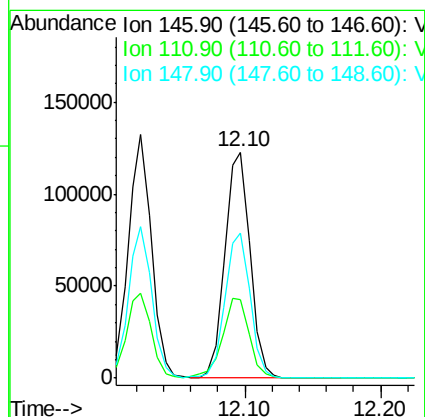
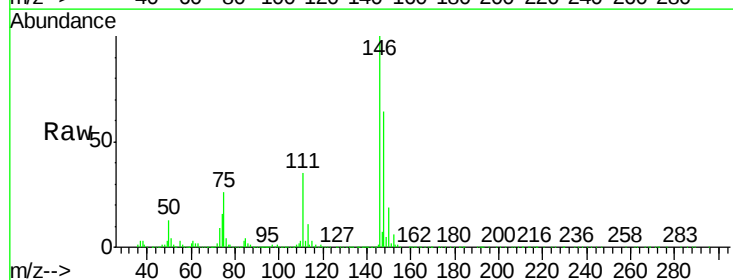
Manual Integrations
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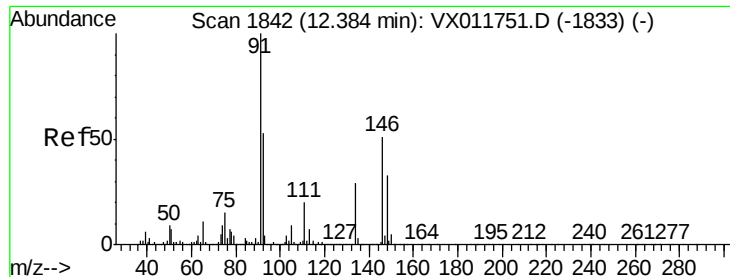
MMDadoda
 8/23/2019 1:55:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.340 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.8	53.4
148	64.0	31.9	95.7





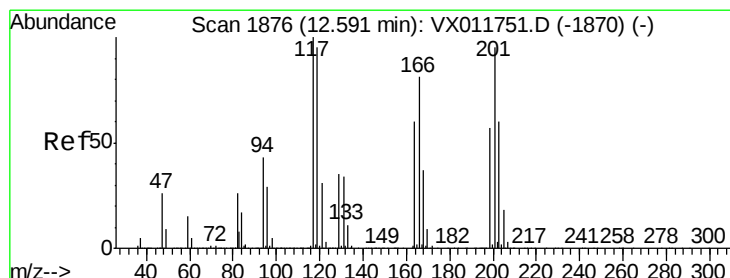
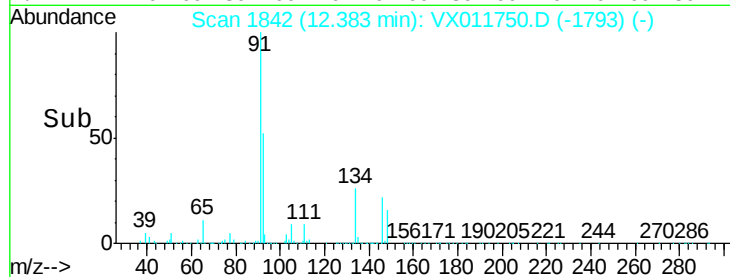
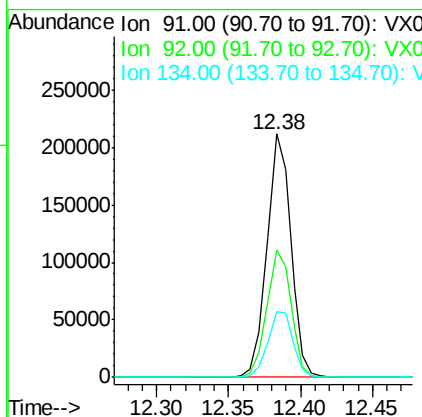
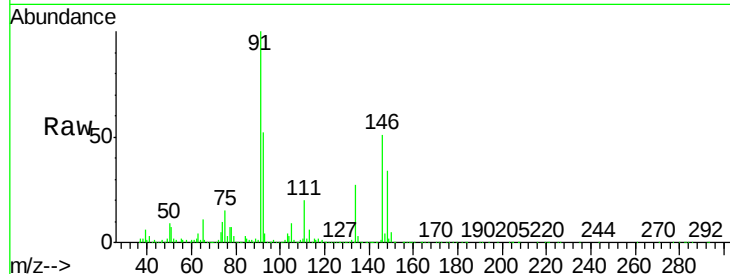
#89
n-Butylbenzene
Concen: 19.644 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.7	80.0
134	28.4	14.6	43.8

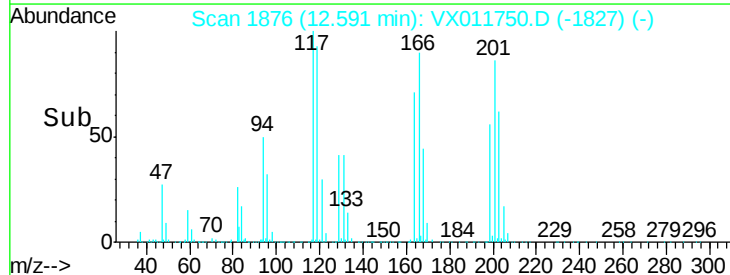
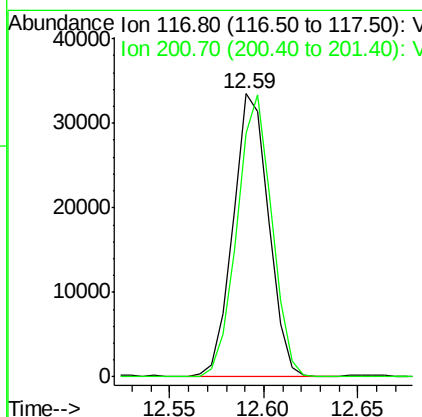
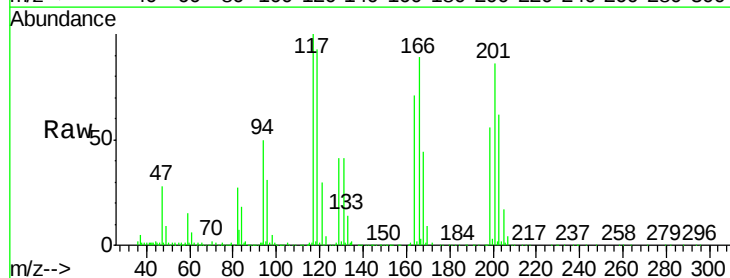
Manual Integrations
APPROVED

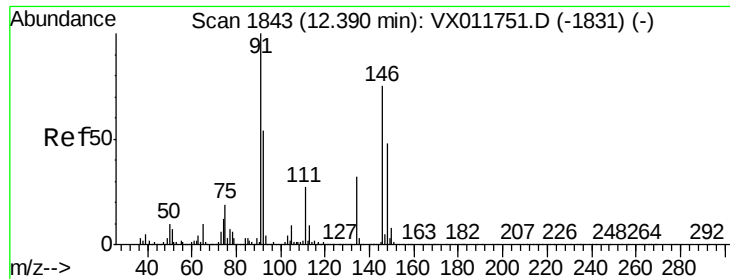
MMDadoda
8/23/2019 1:55:45 PM



#90
Hexachloroethane
Concen: 18.490 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.1	49.6	149.0





#91

1,2-Dichlorobenzene

Concen: 19.213 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

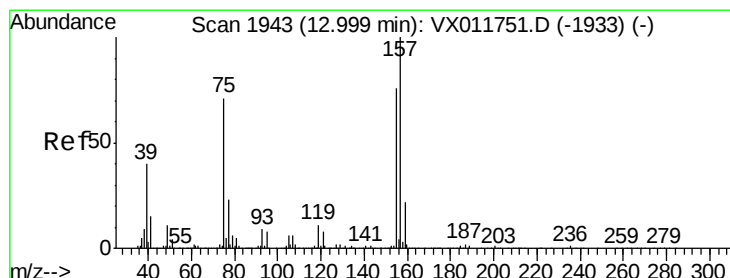
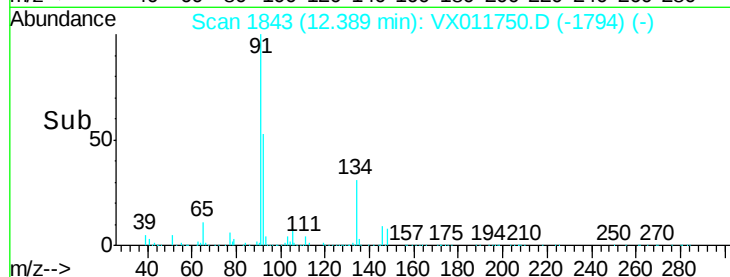
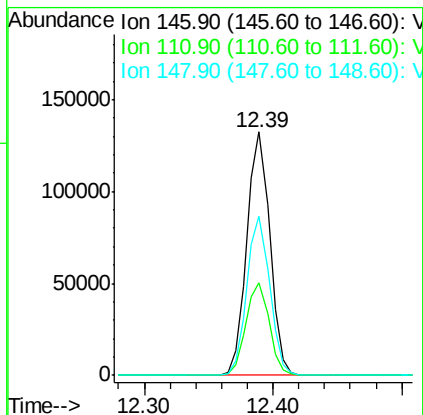
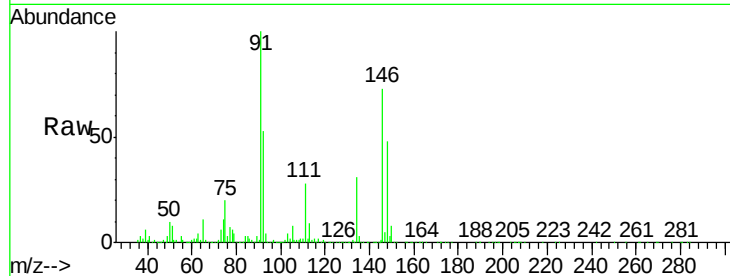
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	162952
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.8	56.4
148	64.6	31.6	95.0

Manual Integrations
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MMDadoda
8/23/2019 1:55:45 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.964 ug/l

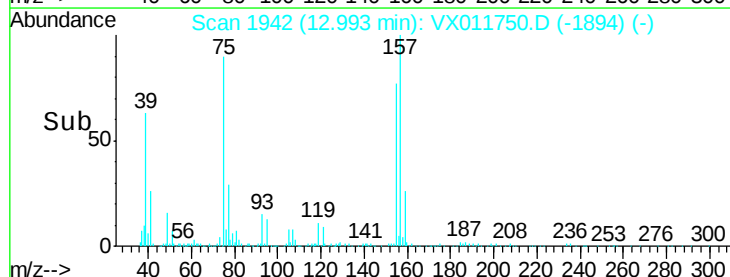
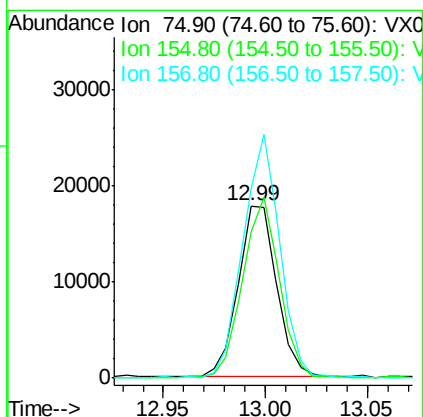
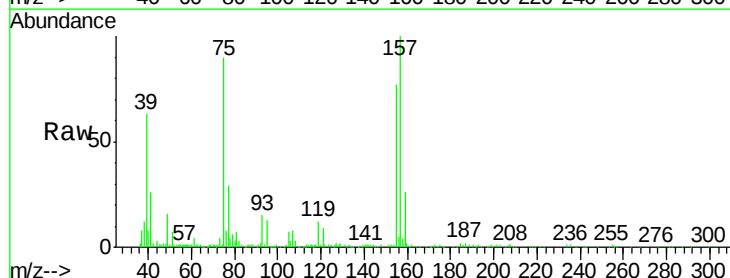
RT: 12.99 min Scan# 1942

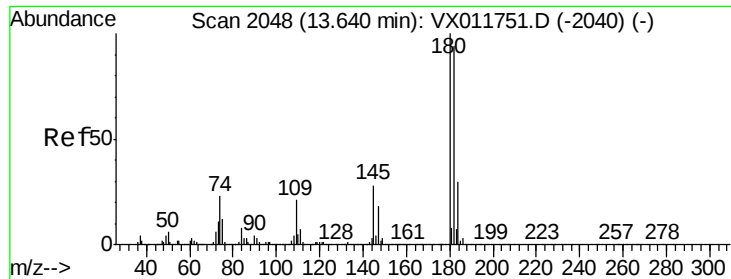
Delta R.T. -0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion:	75	Resp:	23354
Ion Ratio	Lower	Upper	
75	100		
155	101.7	52.6	157.9
157	137.1	68.3	204.9





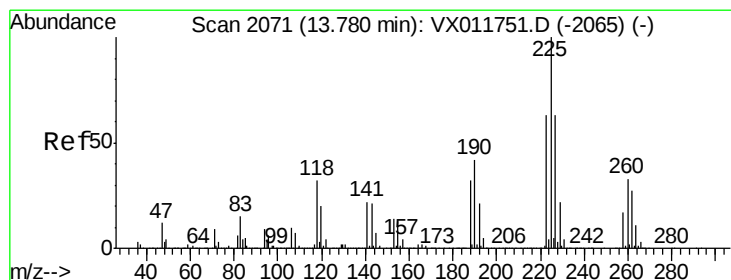
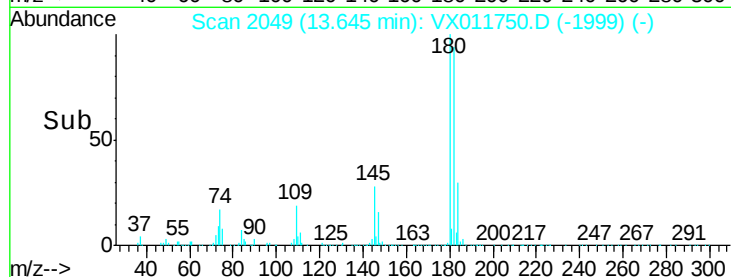
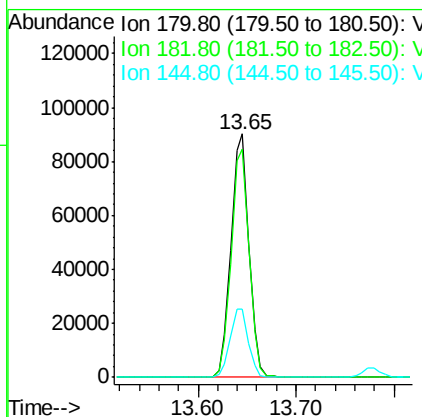
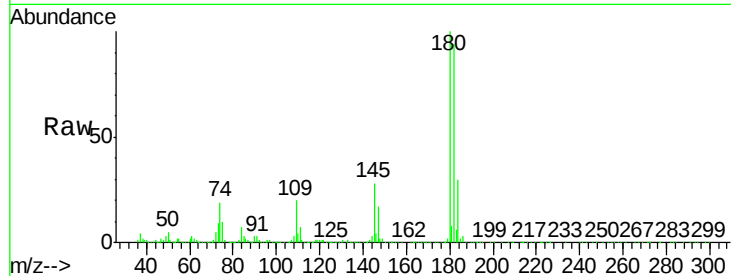
#93
 1,2,4-Trichlorobenzene
 Concen: 18.123 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114530		
182	94.2	47.8	143.4	
145	28.9	14.1	42.3	

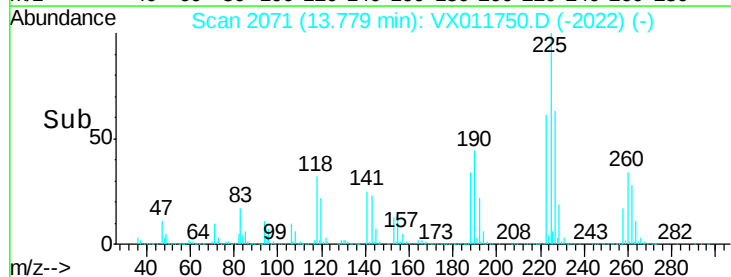
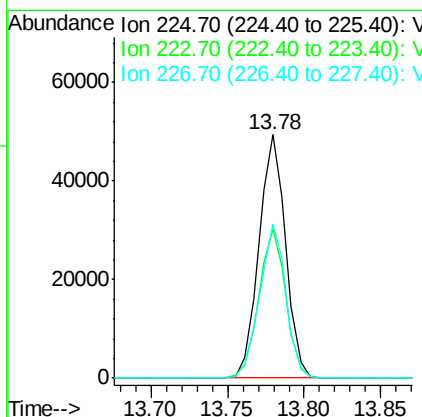
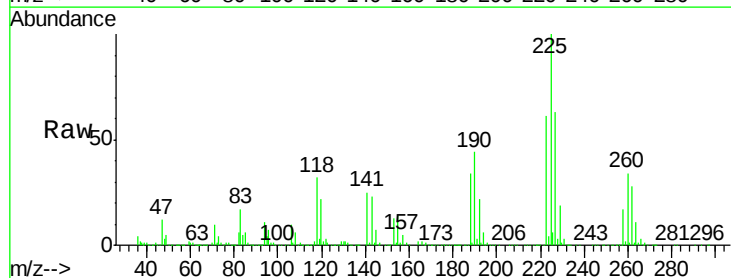
Manual Integrations
 APPROVED

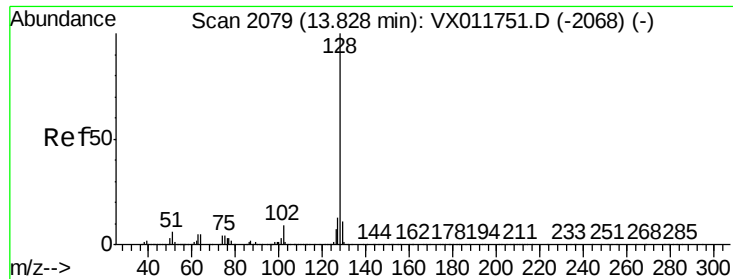
MMDadoda
 8/23/2019 1:55:45 PM



#94
 Hexachlorobutadiene
 Concen: 17.625 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59921		
223	61.8	31.0	93.0	
227	62.7	31.8	95.3	





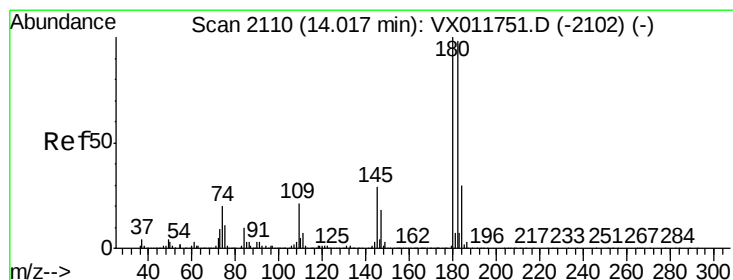
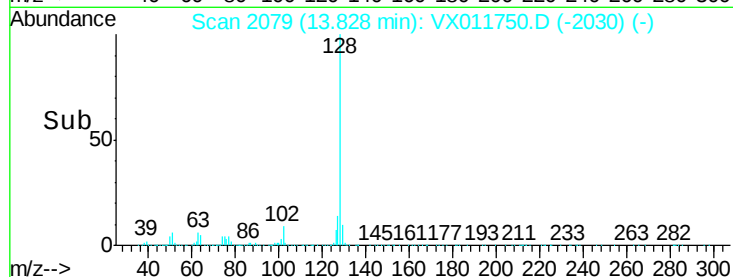
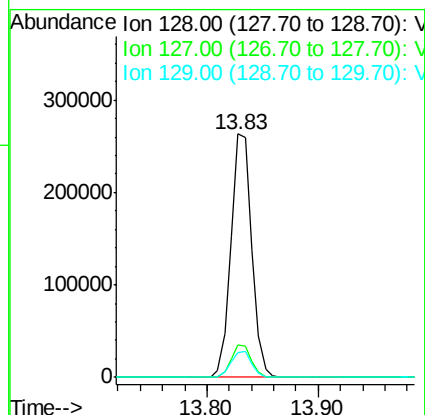
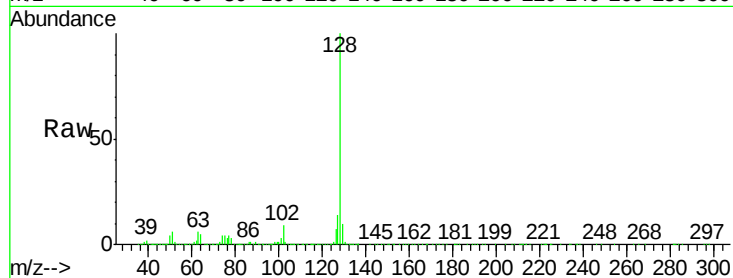
#95
Naphthalene
Concen: 19.151 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	339012
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.108 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion:	180	Resp:	121521
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.5	145.5
145	29.9	14.6	43.8

