

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012257.D
 Acq On : 10 Sep 2019 15:58
 Operator : SY/SP
 Sample : VX0910SBSD02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:02 AM

Quant Time: Sep 11 01:57:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	133914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	244834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	114941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	95010	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	5.48	113	72925	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	8.71	98	273620	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.14	95	118764	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22085	20.172	ug/l	93
3) Chloromethane	1.31	50	20675	20.949	ug/l	97
4) Vinyl Chloride	1.40	62	20252	20.696	ug/l	94
5) Bromomethane	1.62	94	9089	20.151	ug/l	95
6) Chloroethane	1.70	64	13146	20.091	ug/l	97
7) Trichlorofluoromethane	1.91	101	35100	19.820	ug/l	99
8) Diethyl Ether	2.17	74	12367	20.465	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24363	20.412	ug/l	98
10) Methyl Iodide	2.50	142	21863	19.245	ug/l	100
11) Tert butyl alcohol	3.04	59	18675m	86.864	ug/l	
12) 1,1-Dichloroethene	2.36	96	20731	20.458	ug/l	98
13) Acrolein	2.28	56	10119	102.243	ug/l	96
14) Allyl chloride	2.72	41	42083	20.370	ug/l	99
15) Acrylonitrile	3.13	53	40041	107.189	ug/l	99
16) Acetone	2.43	43	40066	89.394	ug/l	97
17) Carbon Disulfide	2.55	76	42036	19.755	ug/l	99
18) Methyl Acetate	2.76	43	20001	21.231	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	86967	21.732	ug/l	97
20) Methylene Chloride	2.84	84	31500	20.999	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	24641	20.382	ug/l	95
22) Diisopropyl ether	3.84	45	98120	20.767	ug/l	96
23) Vinyl Acetate	3.80	43	306404	105.699	ug/l	99
24) 1,1-Dichloroethane	3.68	63	52515	20.750	ug/l	98
25) 2-Butanone	4.66	43	59396	103.666	ug/l	93
26) 2,2-Dichloropropane	4.56	77	45536	19.165	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	32226	20.647	ug/l	99
28) Bromochloromethane	5.00	49	23707	19.973	ug/l	98
29) Tetrahydrofuran	5.12	42	34296	110.943	ug/l	99
30) Chloroform	5.20	83	58588	20.530	ug/l	95
31) Cyclohexane	5.57	56	35265	20.060	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	48929	19.967	ug/l	100
36) 1,1-Dichloropropene	5.78	75	34657	19.413	ug/l	96
37) Ethyl Acetate	4.82	43	23168	20.994	ug/l	98
38) Carbon Tetrachloride	5.77	117	39702	18.955	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	37112	18.943	ug/l	97
40) Benzene	6.13	78	110037	20.365	ug/l	99
41) Methacrylonitrile	5.03	41	14941	21.961	ug/l	97
42) 1,2-Dichloroethane	6.18	62	44408	20.795	ug/l	100
43) Isopropyl Acetate	6.43	43	49439	21.249	ug/l	99
44) Trichloroethene	7.20	130	28783	19.684	ug/l	99
45) 1,2-Dichloropropane	7.51	63	30136	20.150	ug/l	99
46) Dibromomethane	7.65	93	16873	20.642	ug/l	98
47) Bromodichloromethane	7.89	83	44137	19.787	ug/l	95
48) Methyl methacrylate	7.76	41	22983	20.637	ug/l	100
49) 1,4-Dioxane	7.73	88	6348	422.417	ug/l #	91
51) 4-Methyl-2-Pentanone	8.64	43	124623	101.488	ug/l	99
52) Toluene	8.78	92	71910	20.149	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	43789	19.668	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	48750	19.746	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	26078	20.593	ug/l	97
56) Ethyl methacrylate	9.17	69	35462	20.682	ug/l	99
57) 1,3-Dichloropropane	9.37	76	44974	20.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	89045	101.327	ug/l	99
59) 2-Hexanone	9.49	43	87751	102.776	ug/l	99
60) Dibromochloromethane	9.57	129	28988	19.608	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24707	20.960	ug/l	97
64) Tetrachloroethene	9.33	164	24231	20.331	ug/l	98
65) Chlorobenzene	10.14	112	83500	20.278	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	30879	19.893	ug/l	99
67) Ethyl Benzene	10.25	91	145953	19.929	ug/l	99
68) m/p-Xylenes	10.35	106	108103	40.099	ug/l	97
69) o-Xylene	10.70	106	53613	20.301	ug/l	100
70) Styrene	10.71	104	94916	20.265	ug/l	99
71) Bromoform	10.85	173	15480	19.232	ug/l #	95
73) Isopropylbenzene	11.01	105	145265	19.198	ug/l	99
74) N-amyl acetate	10.89	43	44272	19.677	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	33330	20.509	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	29062m	19.682	ug/l	
77) Bromobenzene	11.25	156	35646	20.461	ug/l	99
78) n-propylbenzene	11.35	91	178842	19.572	ug/l	99
79) 2-Chlorotoluene	11.42	91	110891	19.587	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	132874	19.526	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	9290	18.851	ug/l	96
82) 4-Chlorotoluene	11.51	91	134614	19.785	ug/l	99
83) tert-Butylbenzene	11.76	119	126391	19.128	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	138022	19.621	ug/l	99
85) sec-Butylbenzene	11.94	105	152135	19.297	ug/l	100
86) p-Isopropyltoluene	12.06	119	142614	19.577	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	69641	19.623	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	71921	20.042	ug/l	98
89) n-Butylbenzene	12.38	91	136580	19.129	ug/l	99
90) Hexachloroethane	12.59	117	24409	18.191	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	65137	19.841	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6905	20.816	ug/l	94

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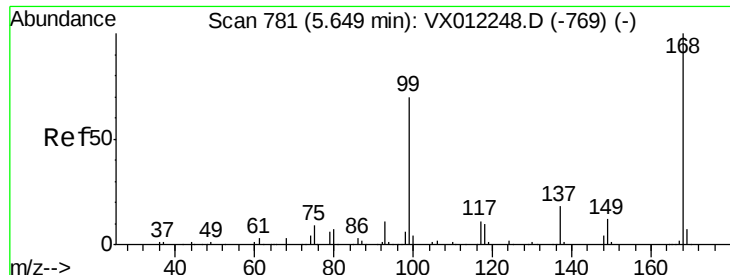
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	44313	19.546	ug/l	99
94) Hexachlorobutadiene	13.77	225	21125	18.730	ug/l	100
95) Naphthalene	13.83	128	99029	20.354	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	40583	20.232	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion:168 Resp: 133914

Ion Ratio Lower Upper

168 100

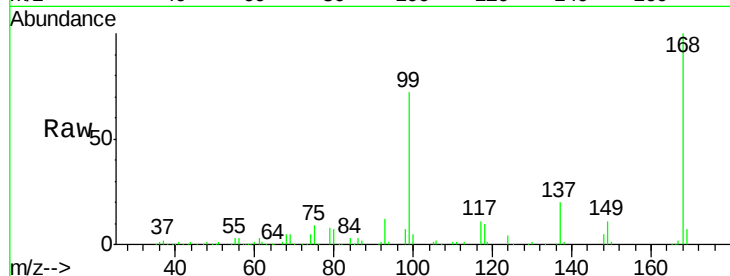
99 71.5 55.8 83.6

Manual Integrations

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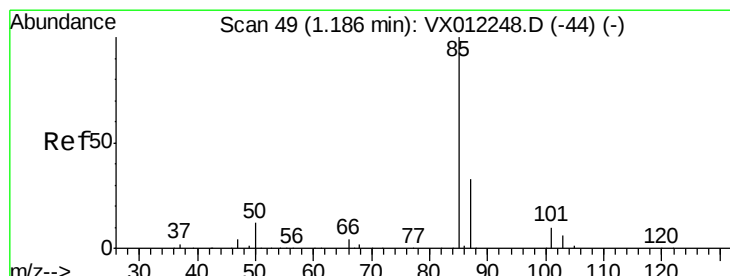
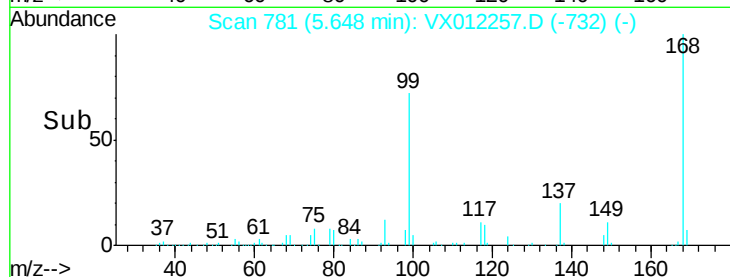
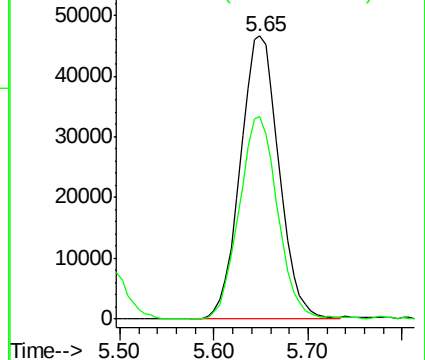
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9/12/2019 9:00:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.172 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012257.D

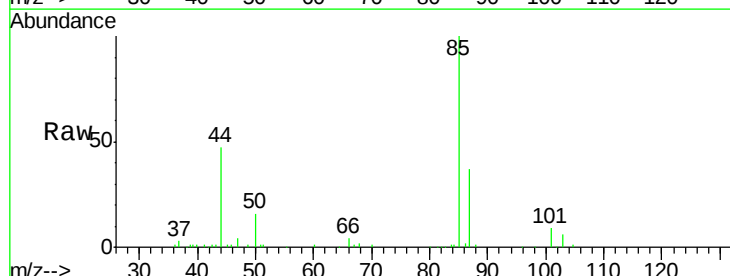
Acq: 10 Sep 2019 15:58

Tgt Ion: 85 Resp: 22085

Ion Ratio Lower Upper

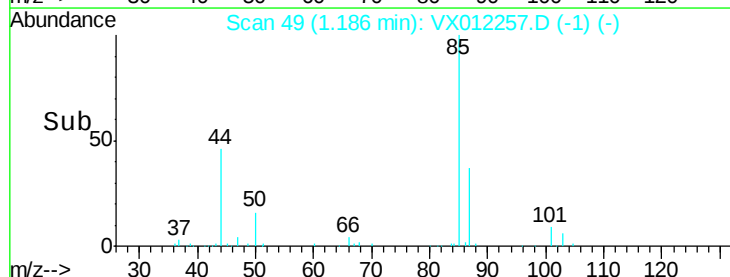
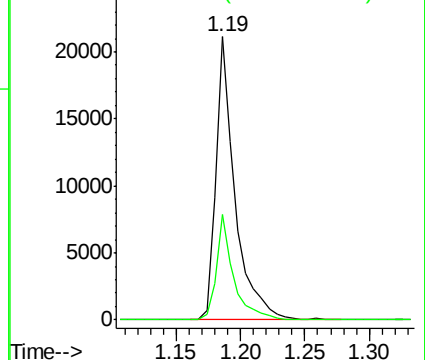
85 100

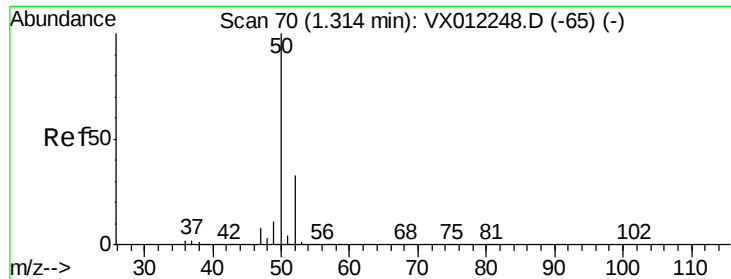
87 37.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.949 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 50 Resp: 20675

Ion Ratio Lower Upper

50 100

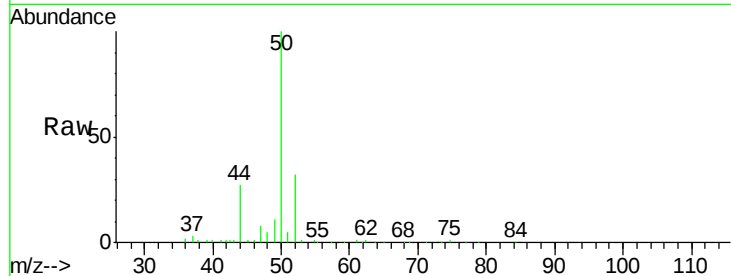
52 31.5 26.7 40.1

Manual Integrations

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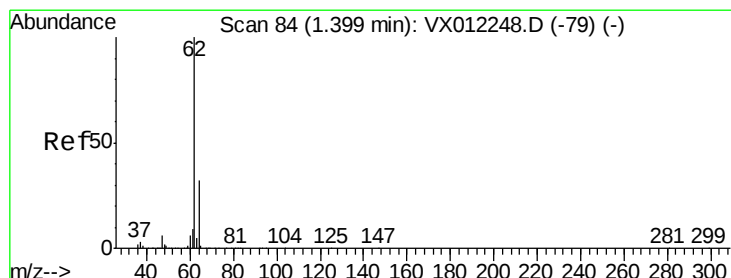
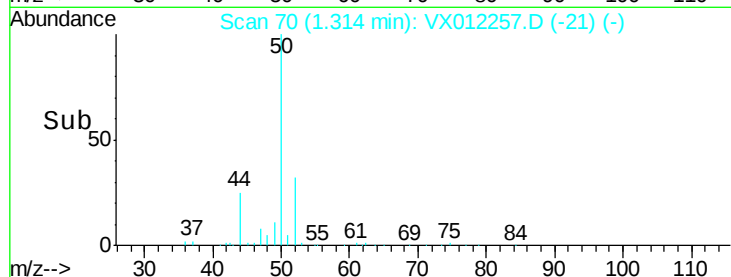
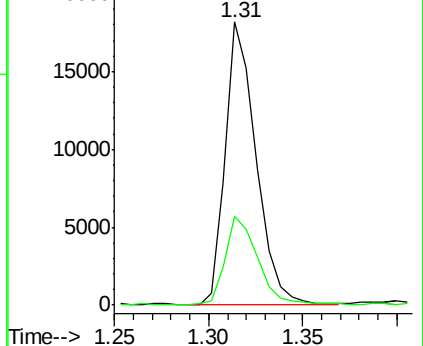
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.696 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012257.D

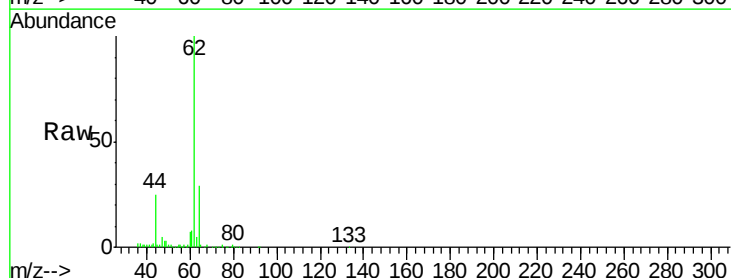
Acq: 10 Sep 2019 15:58

Tgt Ion: 62 Resp: 20252

Ion Ratio Lower Upper

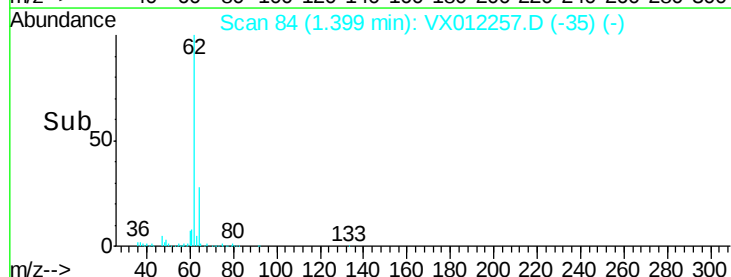
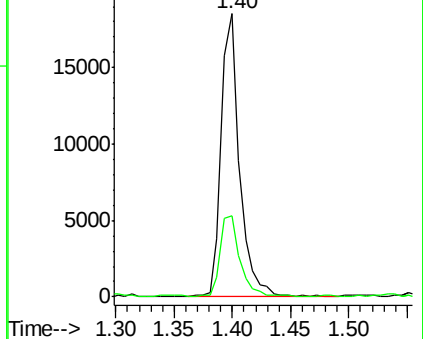
62 100

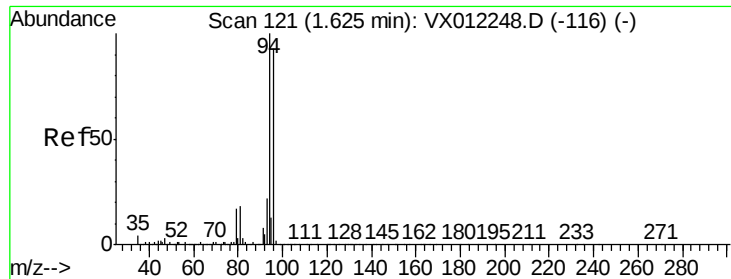
64 28.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.151 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 94 Resp: 9089

Ion Ratio Lower Upper

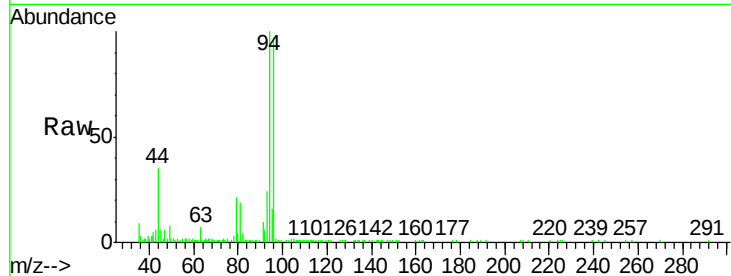
94 100

96 97.3 74.0 111.0

Manual Integrations
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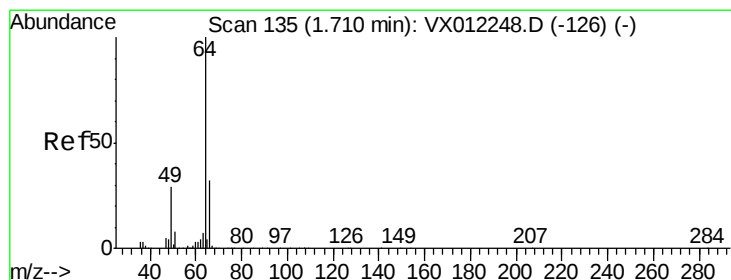
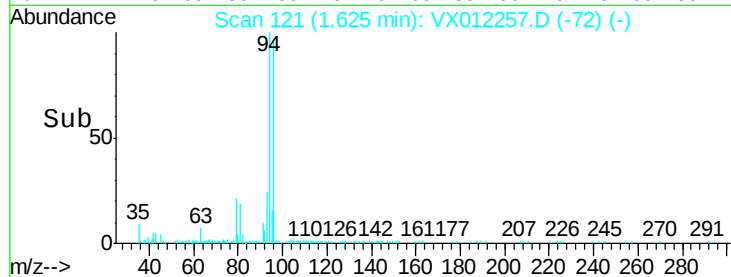
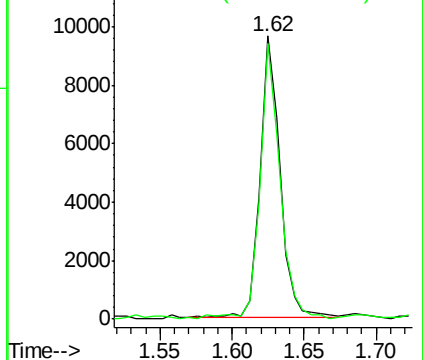
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9/12/2019 9:00:02 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.091 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012257.D

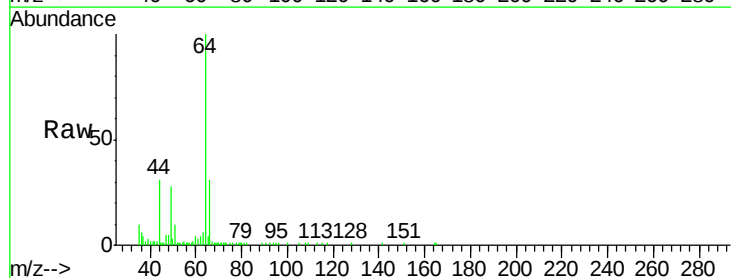
Acq: 10 Sep 2019 15:58

Tgt Ion: 64 Resp: 13146

Ion Ratio Lower Upper

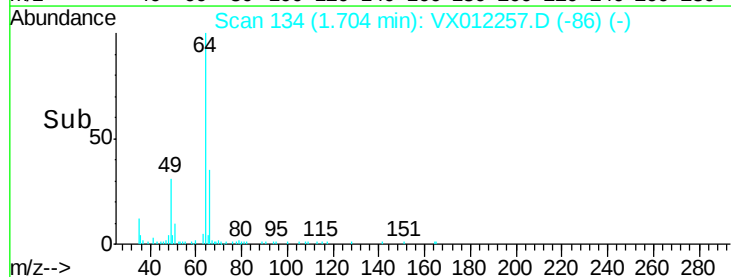
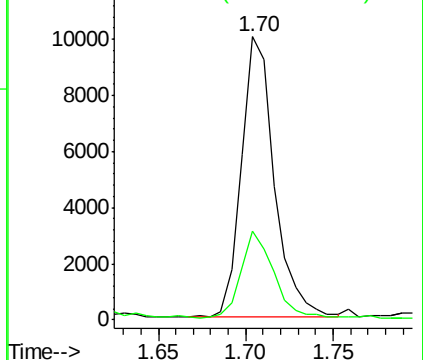
64 100

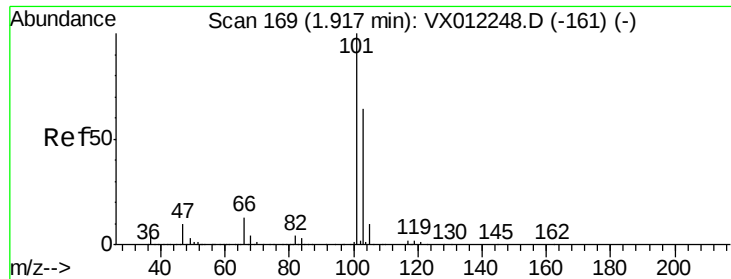
66 30.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

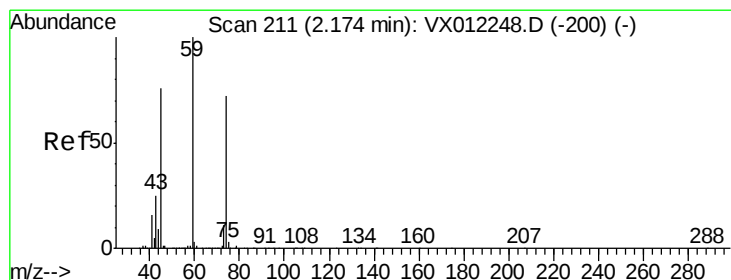
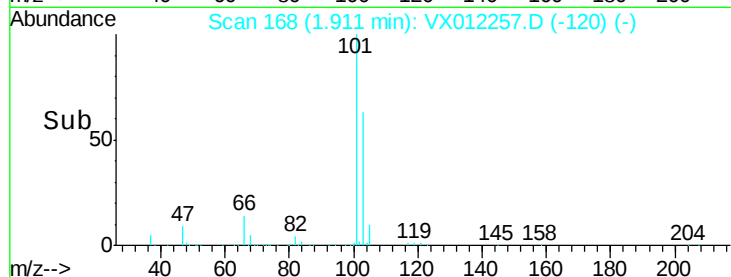
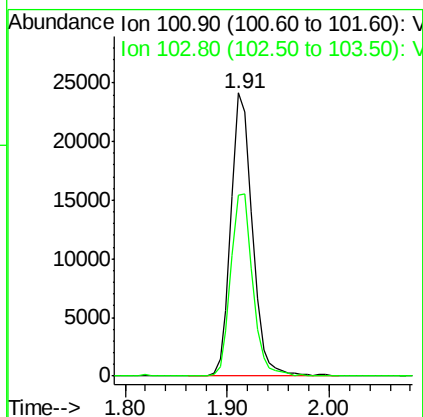
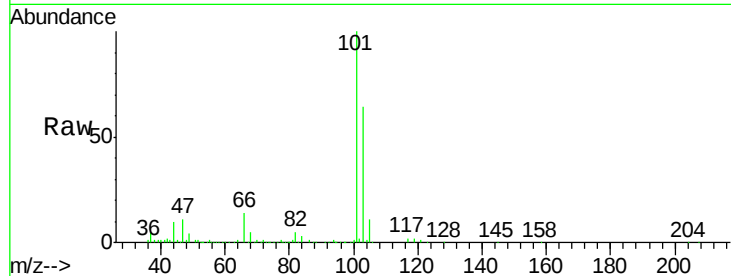
Trichlorofluoromethane
 Concen: 19.820 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

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 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2

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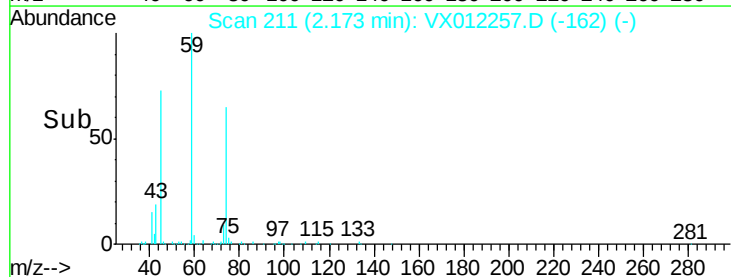
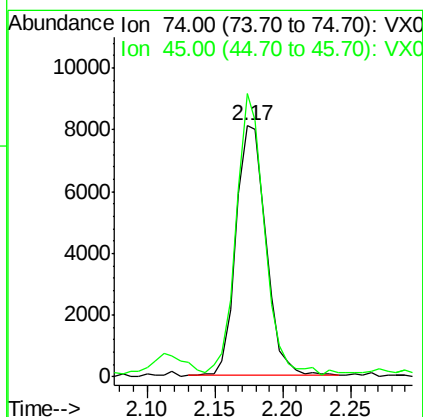
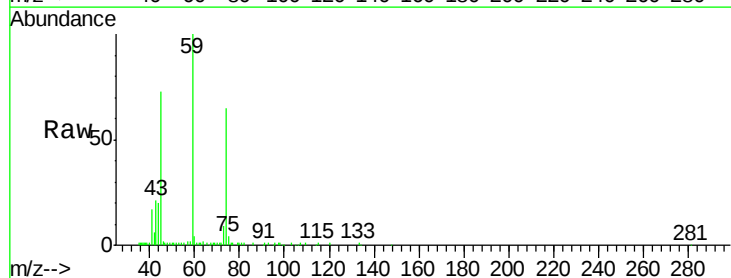
MMDadoda
 9/12/2019 9:00:02 AM

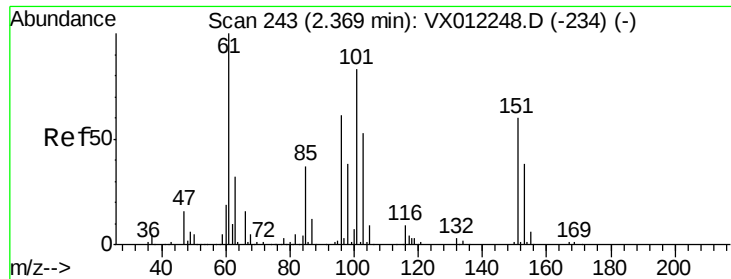


#8

Diethyl Ether
 Concen: 20.465 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.412 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

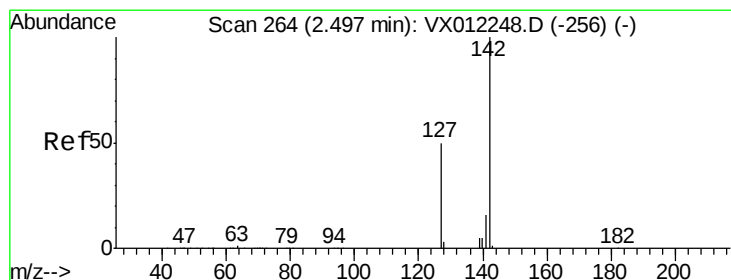
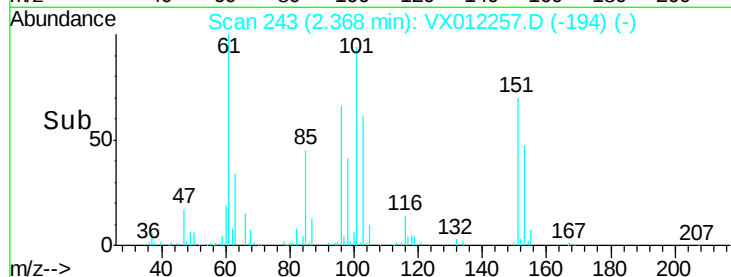
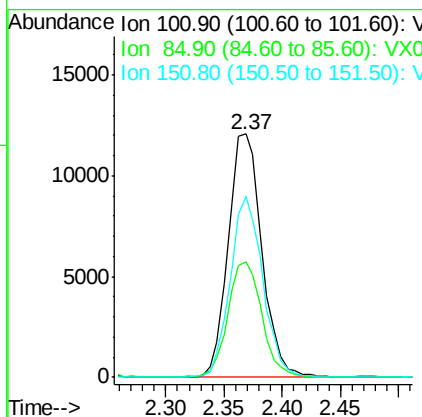
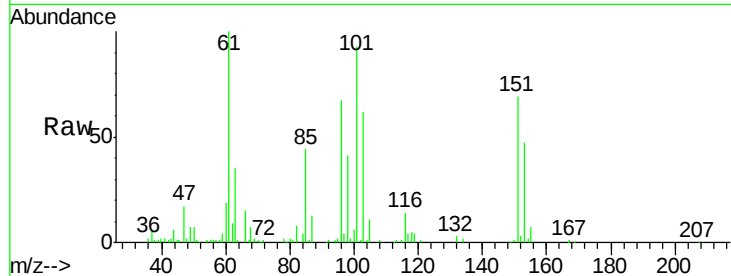
ClientSampleId :

VX0910SBS02

Tot Ion:	101	Resp:	24363
Ion Ratio	Lower	Upper	
101	100		
85	47.8	37.0	55.6
151	72.0	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.245 ug/l

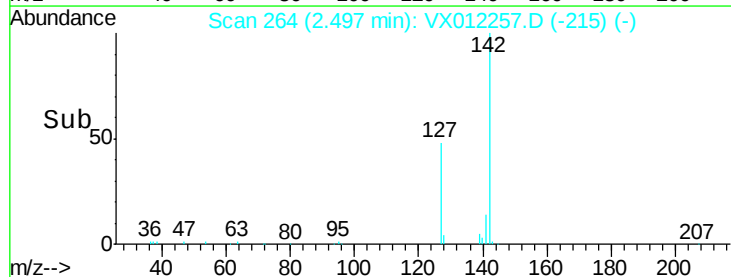
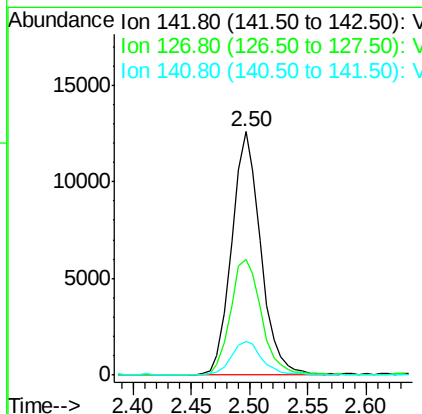
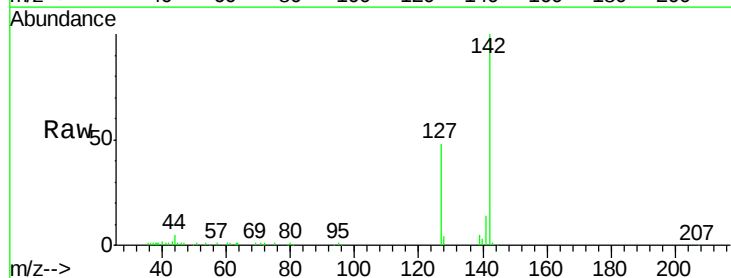
RT: 2.50 min Scan# 264

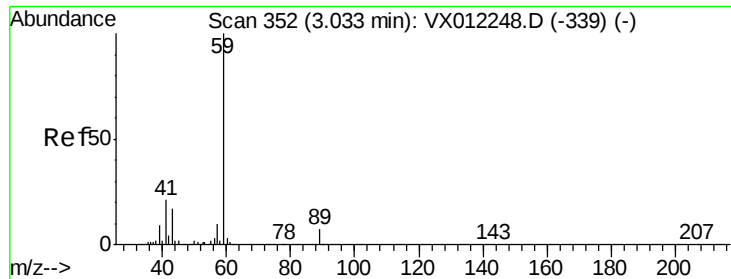
Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	142	Resp:	21863
Ion Ratio	Lower	Upper	
142	100		
127	50.9	40.6	61.0
141	14.7	12.0	18.0





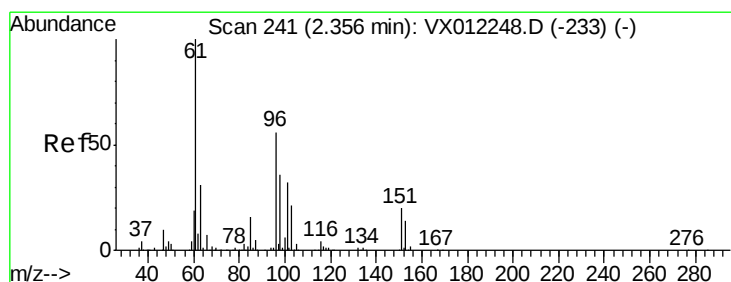
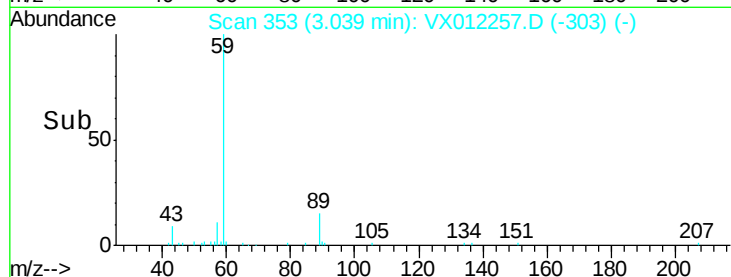
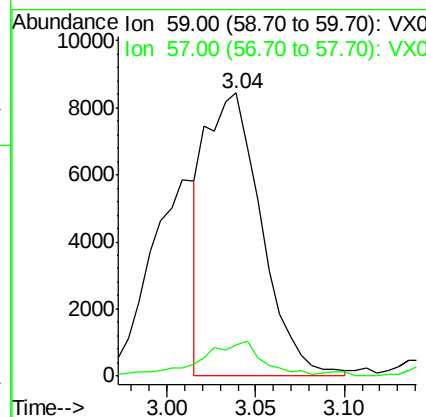
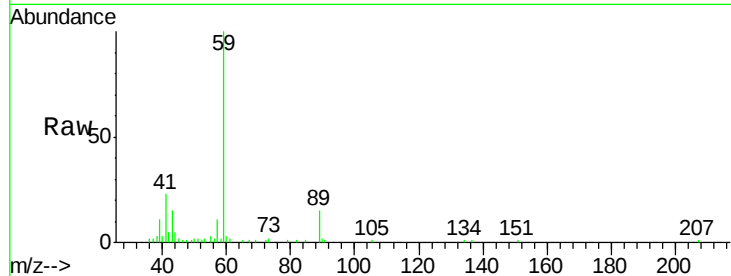
#11
Tert butyl alcohol
Concen: 86.864 ug/l m
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion: 59 Resp: 18675
Ion Ratio Lower Upper
59 100
57 11.5 7.8 11.6

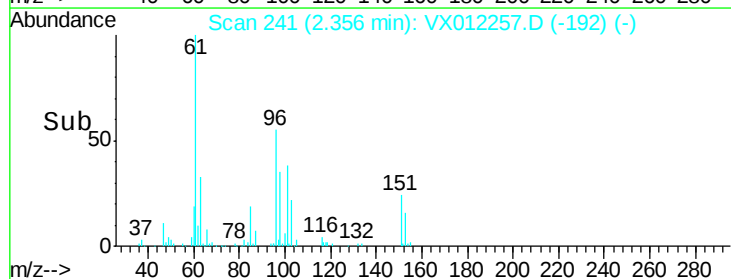
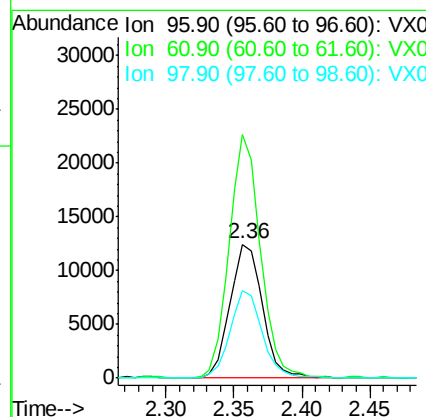
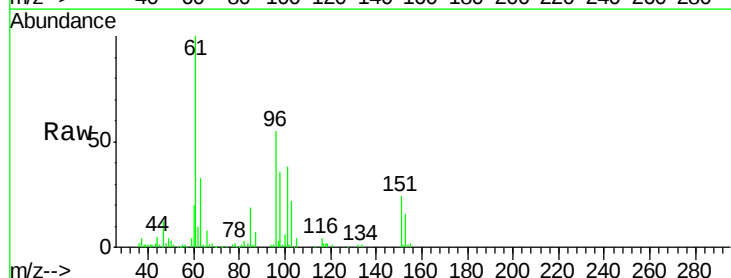
Manual Integrations
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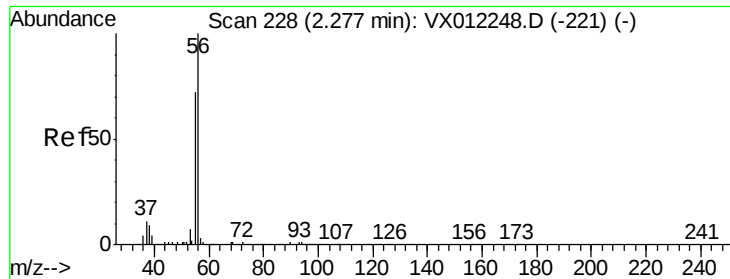
MMDadoda
9/12/2019 9:00:02 AM



#12
1,1-Dichloroethene
Concen: 20.458 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion: 96 Resp: 20731
Ion Ratio Lower Upper
96 100
61 181.5 142.2 213.2
98 65.2 51.3 76.9





#13

Acrolein

Concen: 102.243 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 56 Resp: 10119

Ion Ratio Lower Upper

56 100

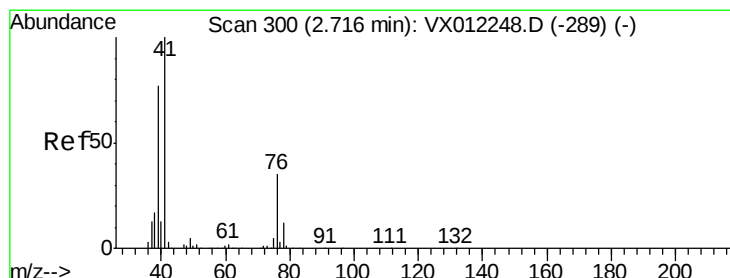
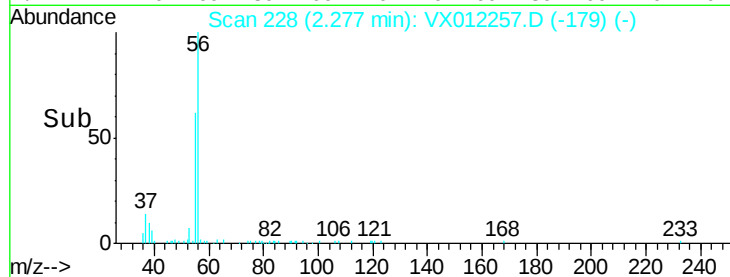
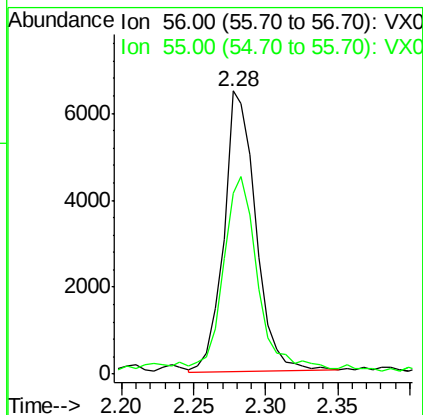
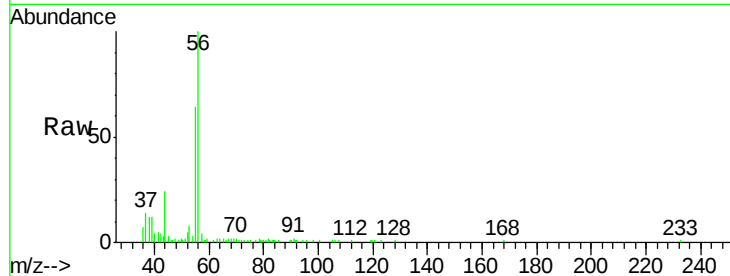
55 71.1 59.8 89.6

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.370 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

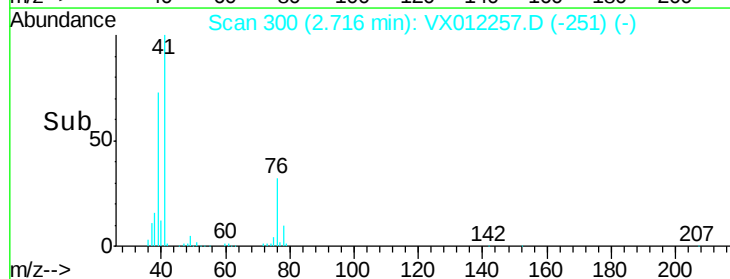
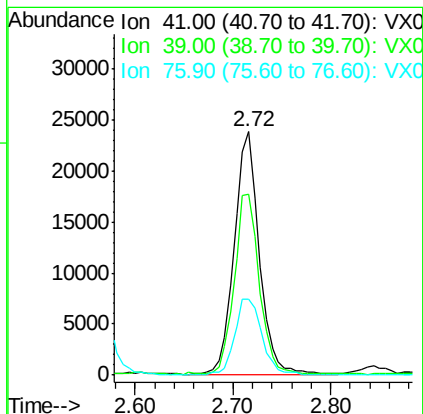
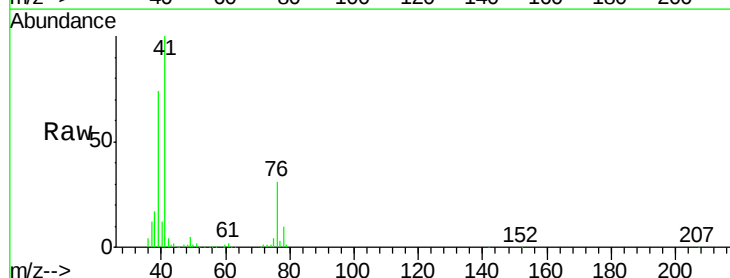
Tgt Ion: 41 Resp: 42083

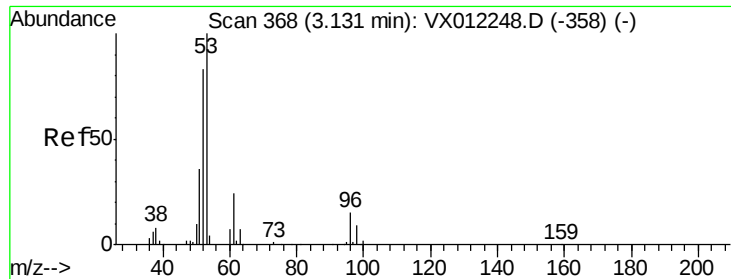
Ion Ratio Lower Upper

41 100

39 73.8 58.6 87.8

76 34.8 26.3 39.5





#15

Acrylonitrile

Concen: 107.189 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

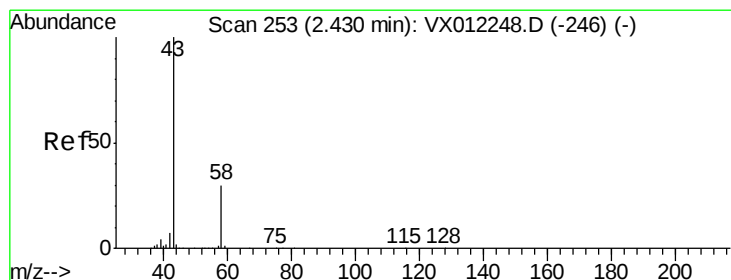
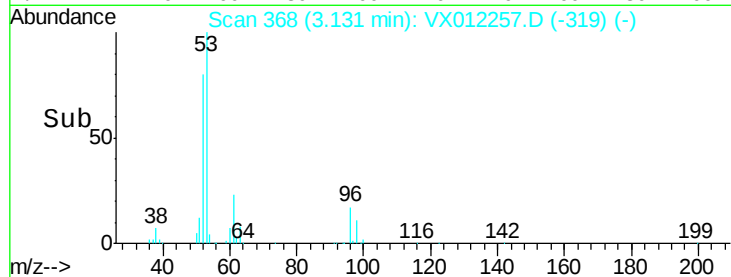
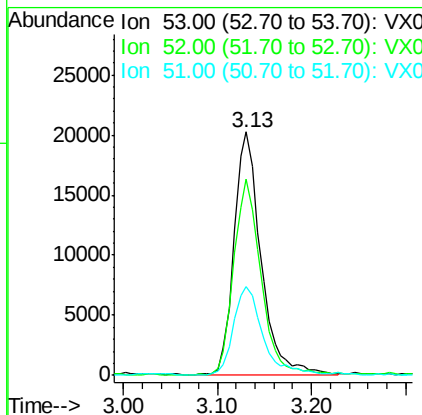
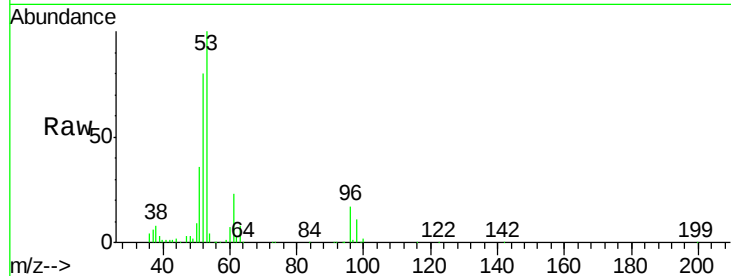
ClientSampleId :

VX0910SBS02

Tot Ion:	53	Resp:	40041
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.8	100.2
51	40.0	30.7	46.1

Manual Integrations
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9/12/2019 9:00:02 AM



#16

Acetone

Concen: 89.394 ug/l

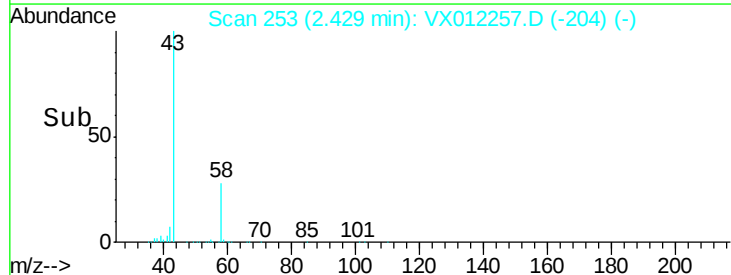
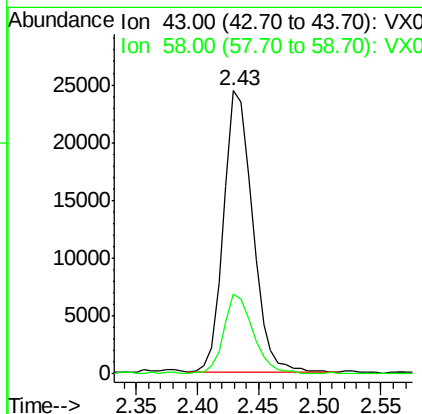
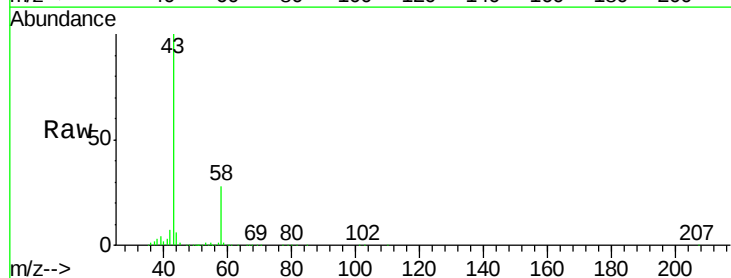
RT: 2.43 min Scan# 253

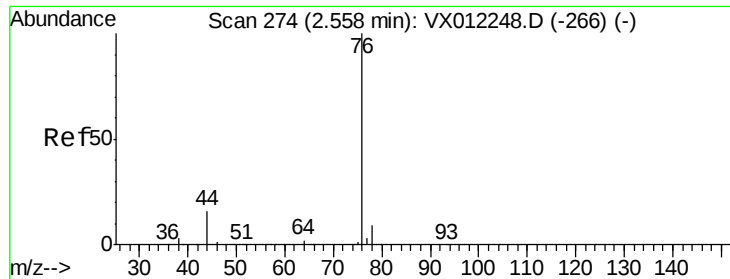
Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	43	Resp:	40066
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.6	35.4





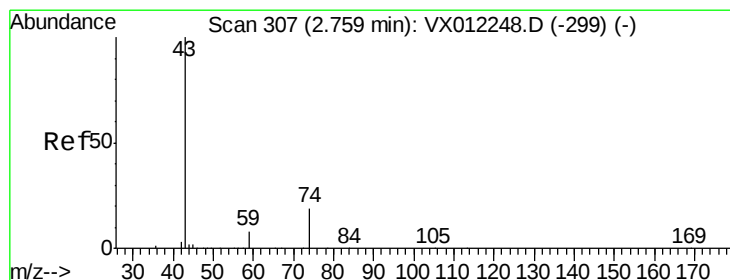
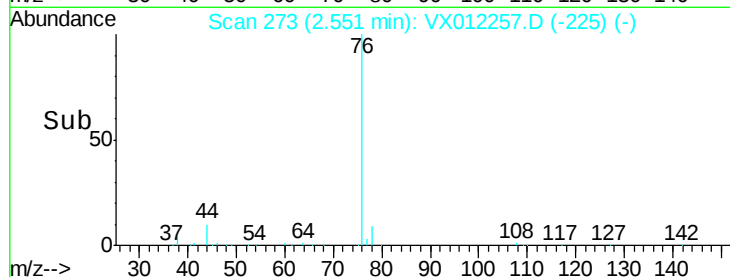
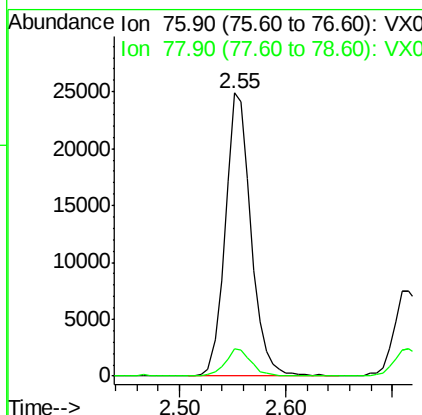
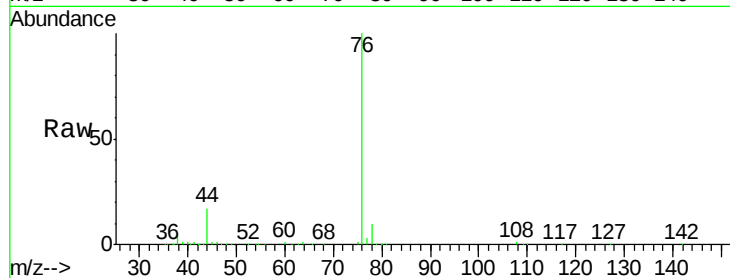
#17
Carbon Disulfide
Concen: 19.755 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

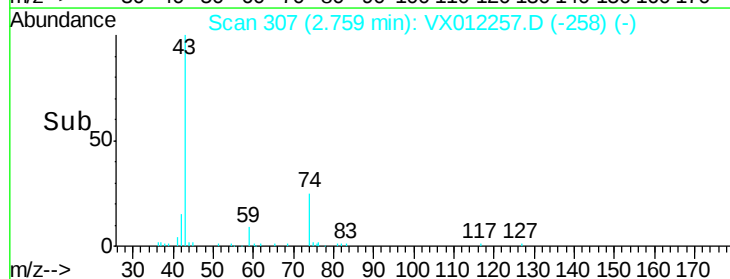
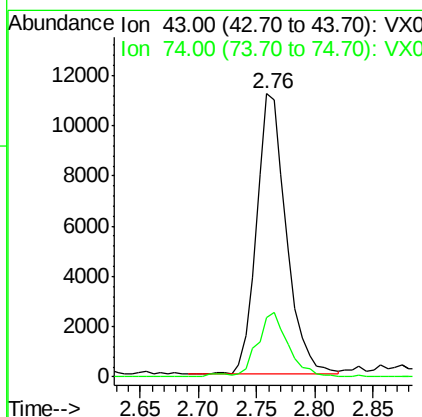
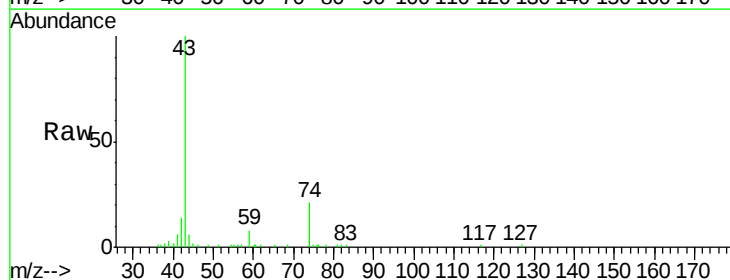
Manual Integrations
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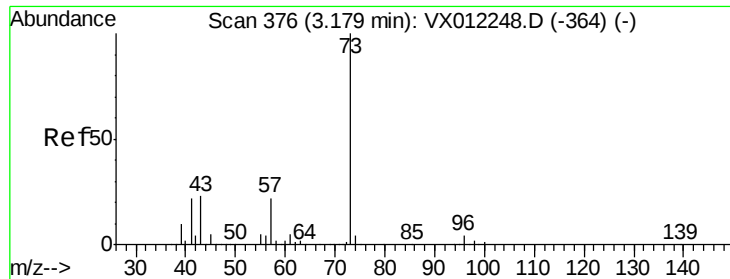
MMDadoda
9/12/2019 9:00:02 AM



#18
Methyl Acetate
Concen: 21.231 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.3	27.5





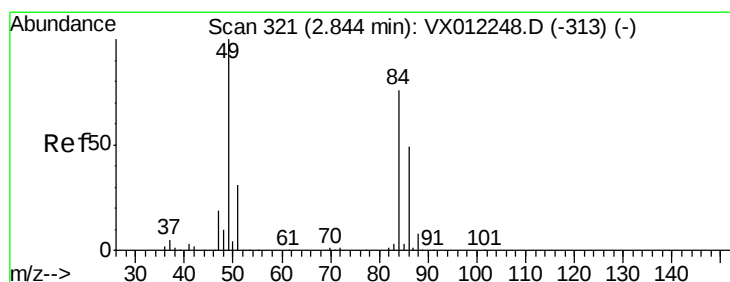
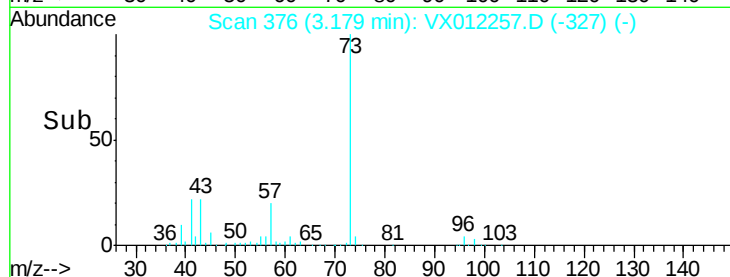
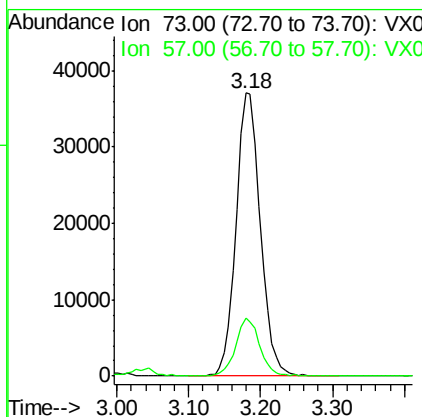
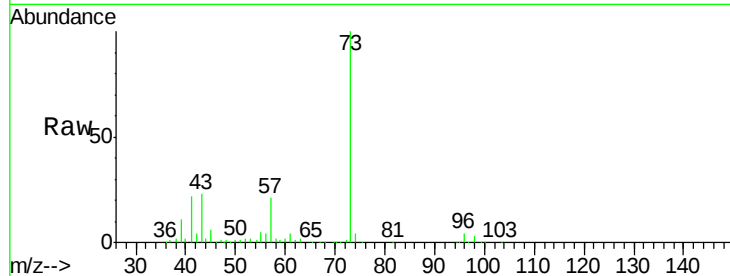
#19
Methvl tert-butvl Ether
Concen: 21.732 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	17.7	26.5

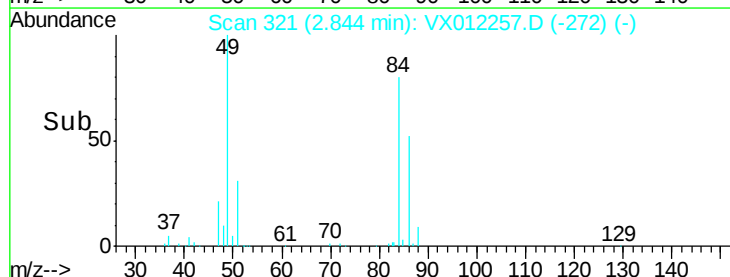
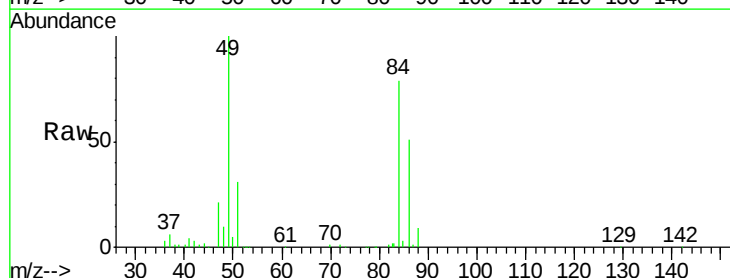
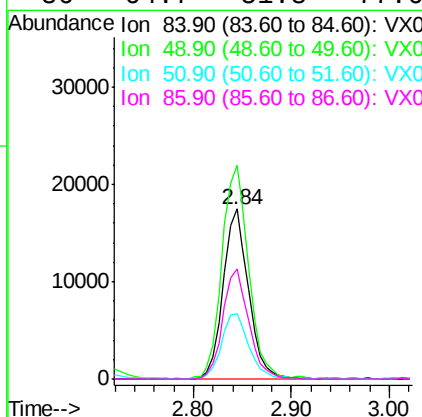
Manual Integrations
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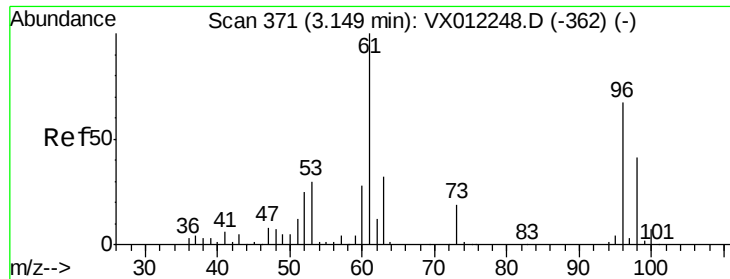
MMDadoda
9/12/2019 9:00:02 AM



#20
Methylene Chloride
Concen: 20.999 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.9	105.0	157.6
51	38.6	32.6	48.8
86	64.7	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 20.382 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

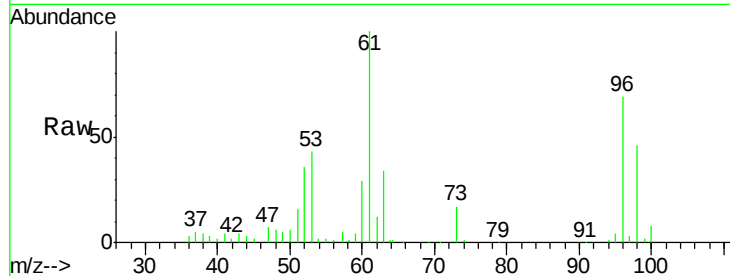
ClientSampleId :

VX0910SBS02

Tot Ion:	96	Resp:	24641
Ion	Ratio	Lower	Upper
96	100		
61	143.5	119.4	179.2
98	65.6	48.4	72.6

Manual Integrations
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9/12/2019 9:00:02 AM

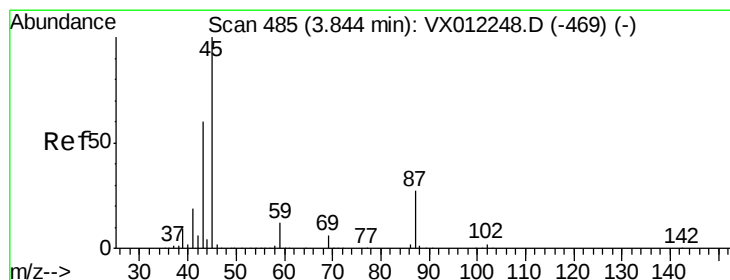
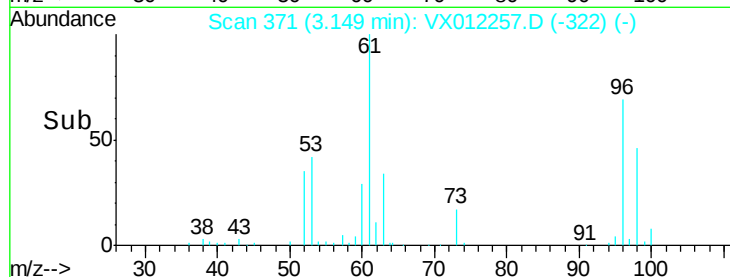
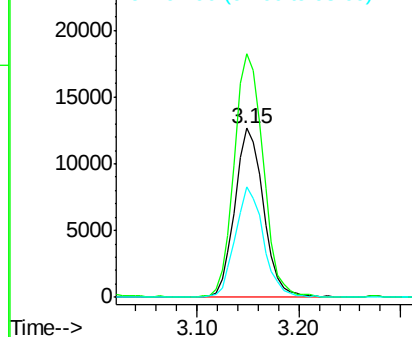


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.767 ug/l

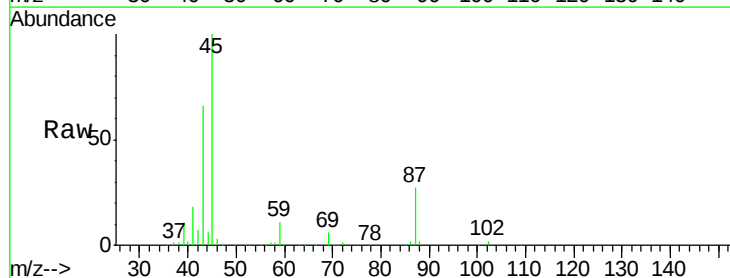
RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	45	Resp:	98120
Ion	Ratio	Lower	Upper
45	100		
43	65.6	48.3	72.5
87	27.4	21.8	32.8
59	11.4	9.1	13.7



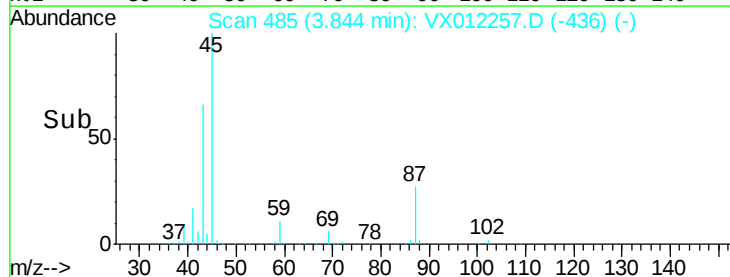
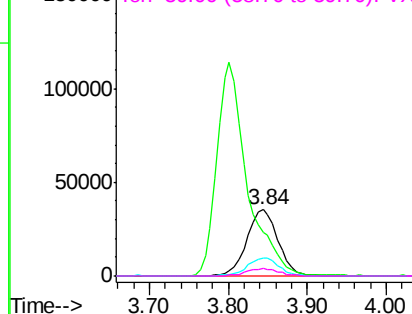
Abundance

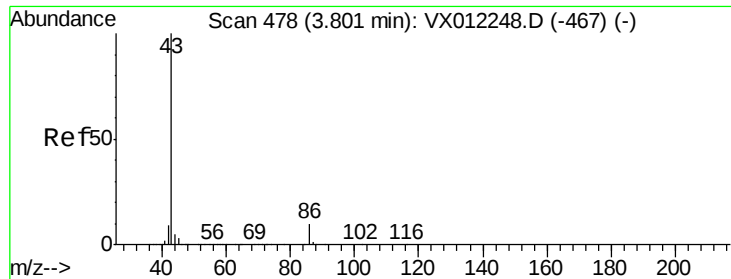
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 105.699 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 43 Resp: 306404

Ion Ratio Lower Upper

43 100

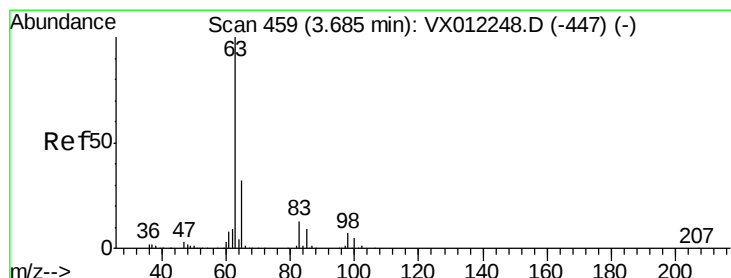
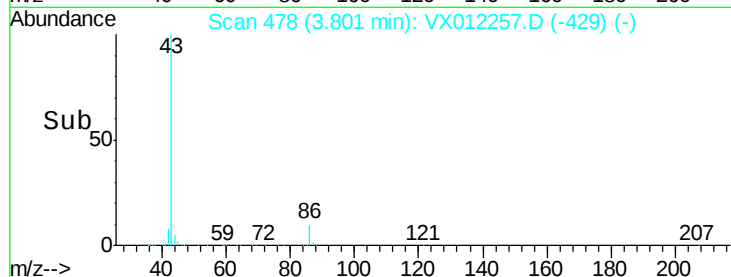
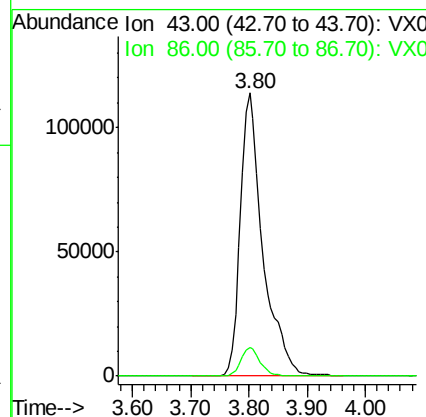
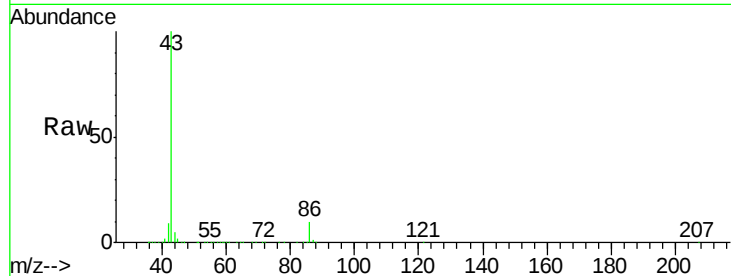
86 9.9 8.3 12.5

Manual Integrations

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MMDadoda

9/12/2019 9:00:02 AM



#24

1,1-Dichloroethane

Concen: 20.750 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

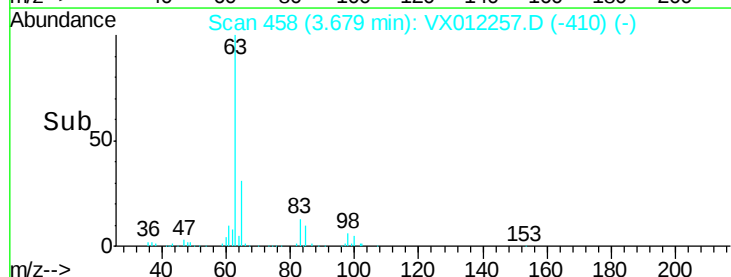
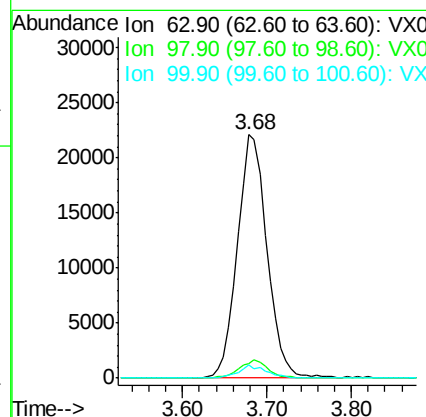
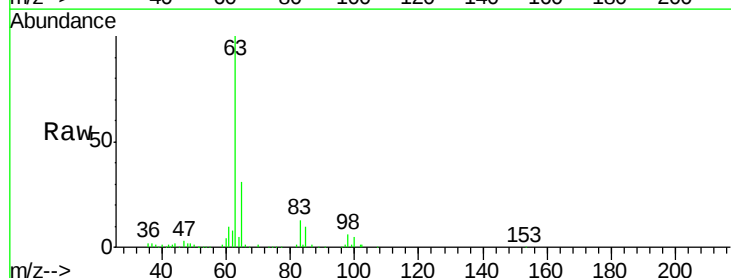
Tgt Ion: 63 Resp: 52515

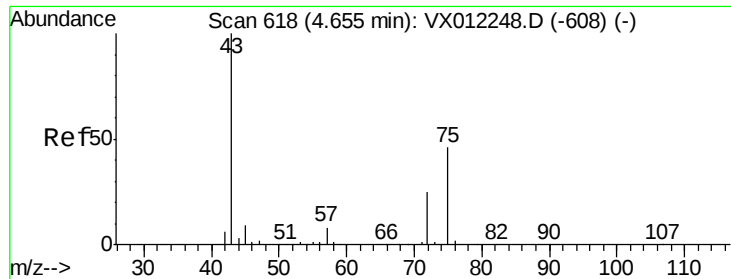
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 103.666 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 43 Resp: 59396

Ion Ratio Lower Upper

43 100

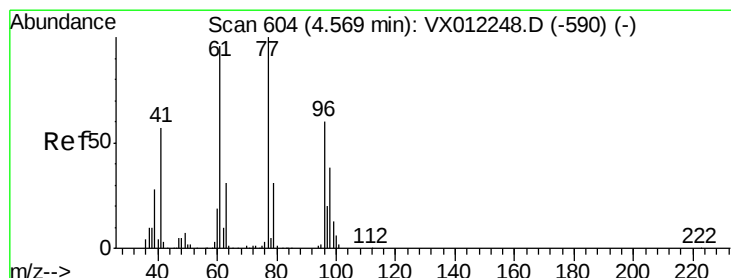
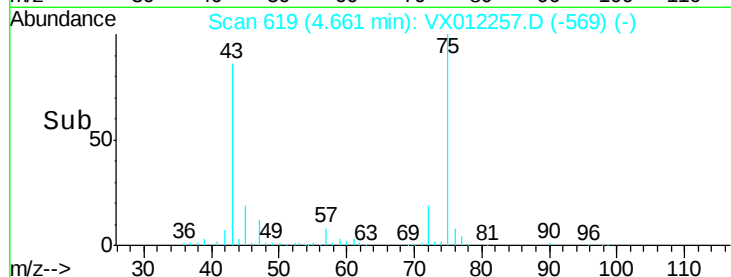
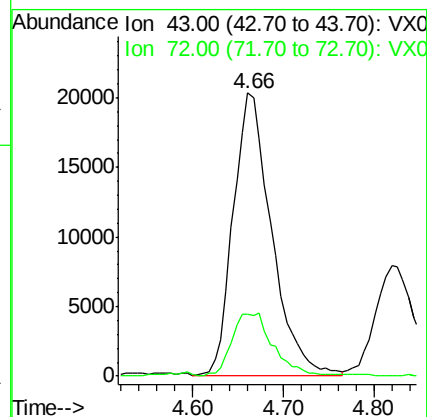
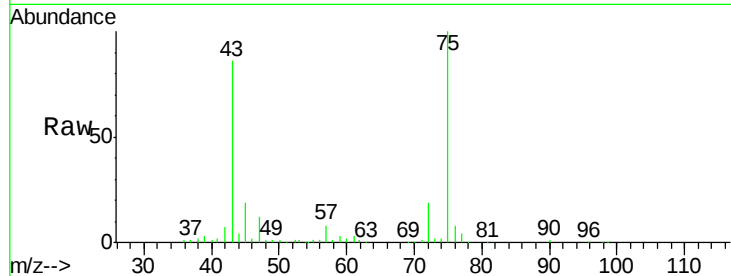
72 21.4 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 19.165 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012257.D

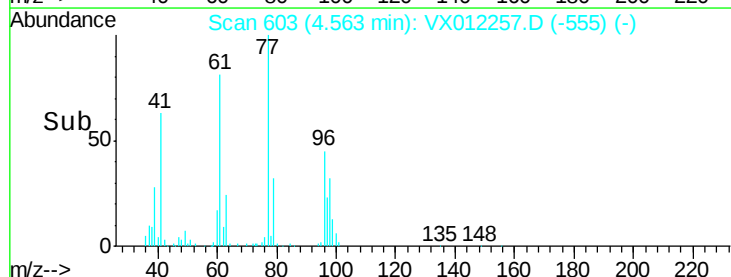
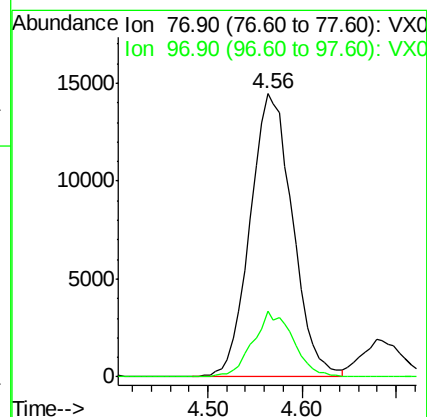
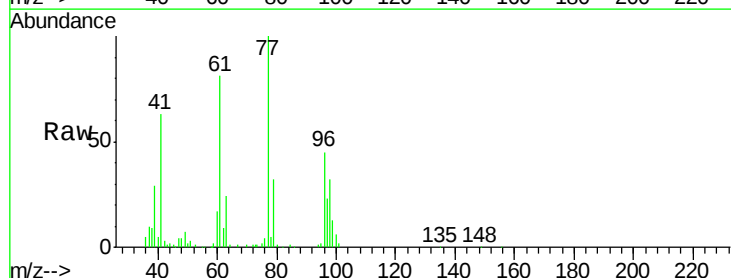
Acq: 10 Sep 2019 15:58

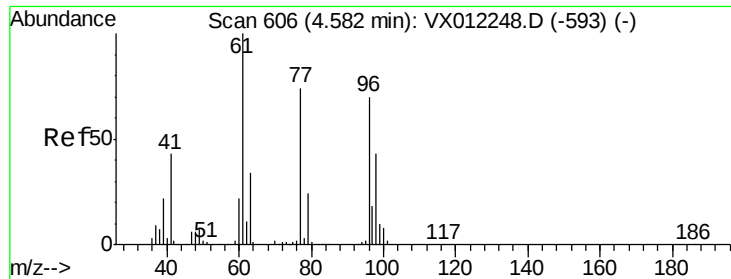
Tgt Ion: 77 Resp: 45536

Ion Ratio Lower Upper

77 100

97 21.9 10.7 32.1





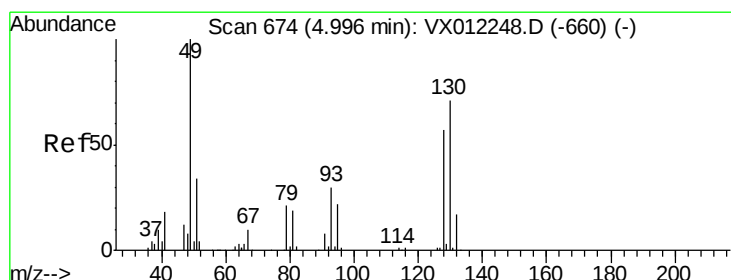
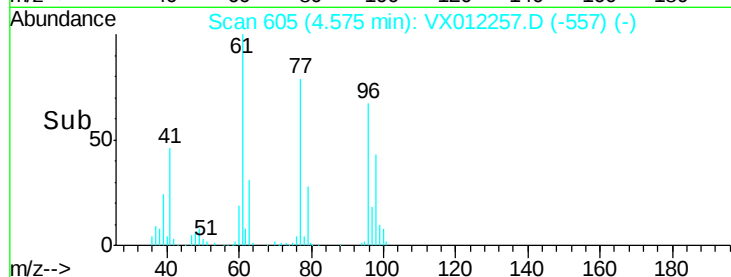
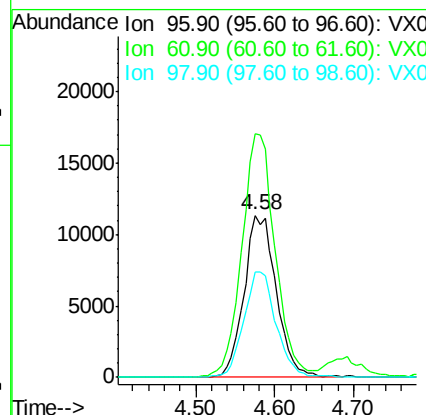
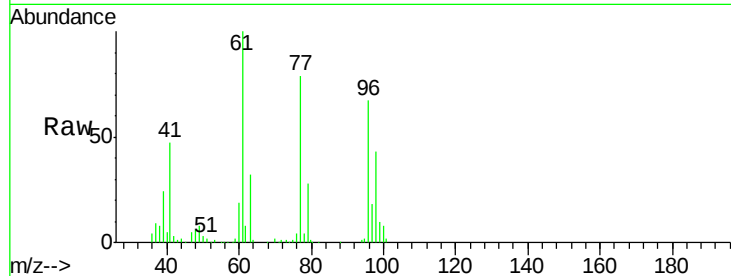
#27
 cis-1,2-Dichloroethene
 Concen: 20.647 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32226		
61	156.1		0.0	310.4
98	65.5		0.0	128.8

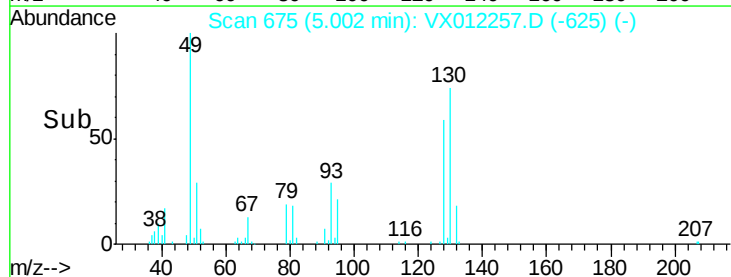
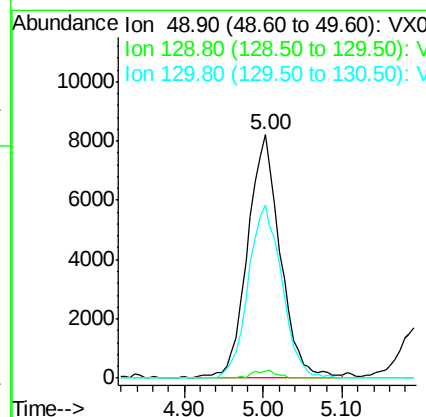
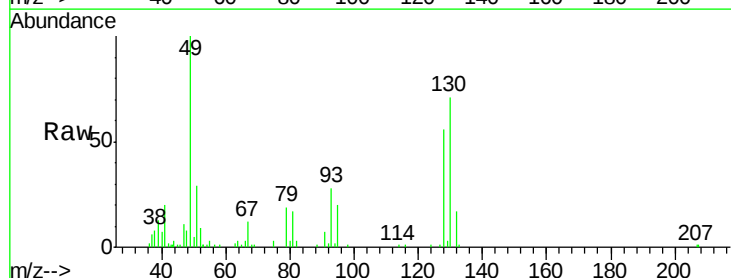
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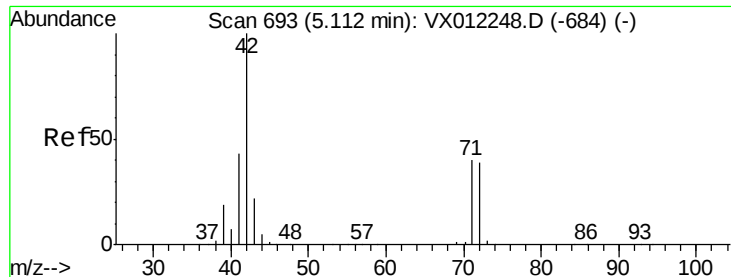
MMDadoda
 9/12/2019 9:00:02 AM



#28
 Bromochloromethane
 Concen: 19.973 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23707		
129	2.2		0.0	5.2
130	72.9		60.1	90.1





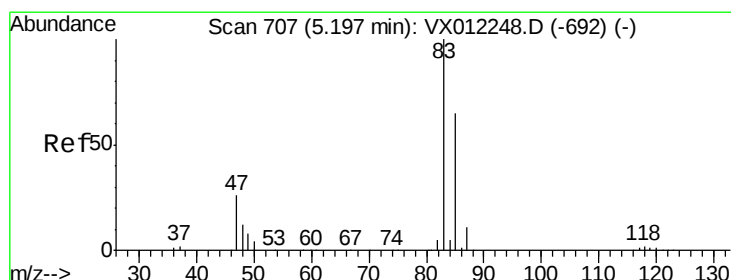
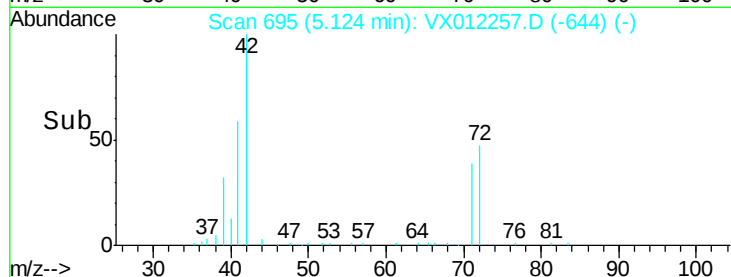
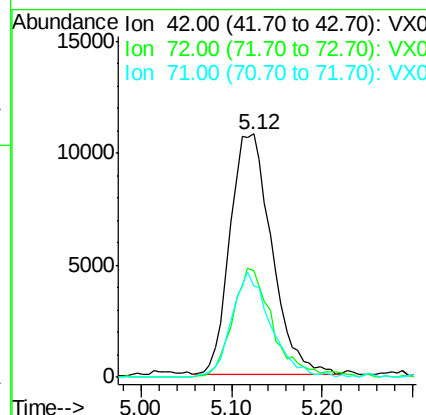
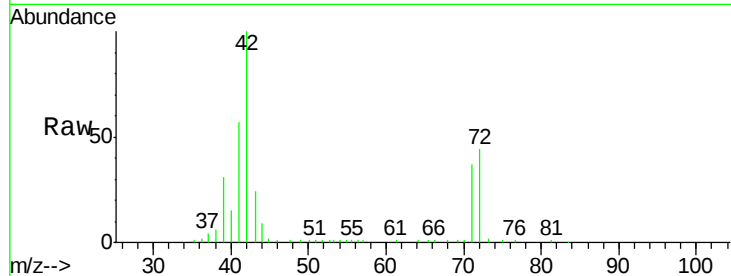
#29
Tetrahydrofuran
Concen: 110.943 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.2	52.8
71	41.1	32.5	48.7

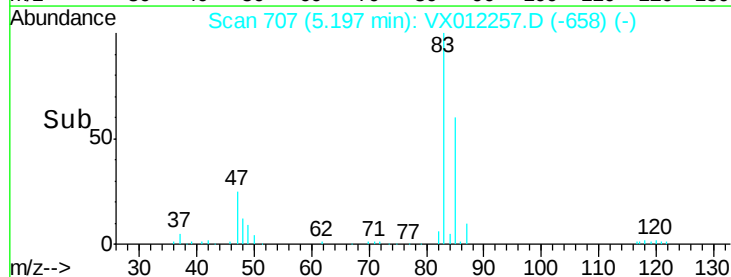
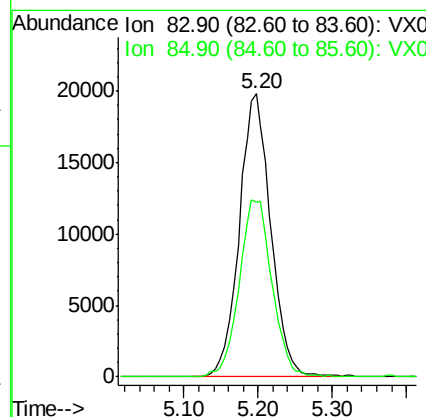
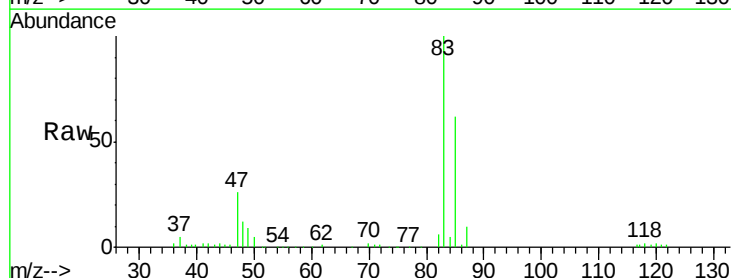
Manual Integrations
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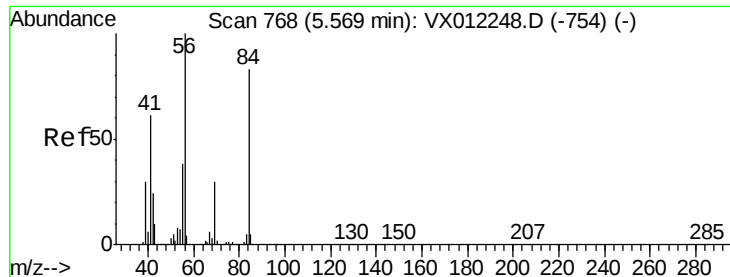
MMDadoda
9/12/2019 9:00:02 AM



#30
Chloroform
Concen: 20.530 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.3	78.5





#31

Cyclohexane

Concen: 20.060 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

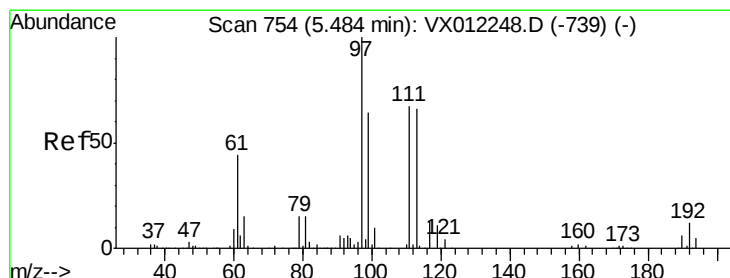
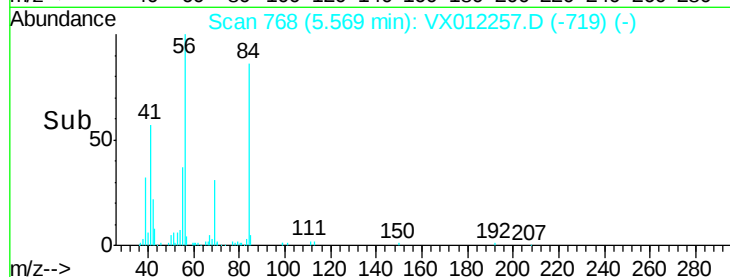
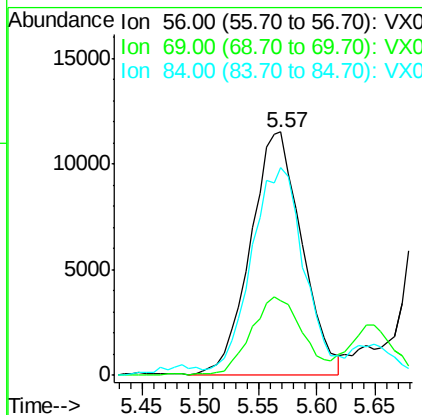
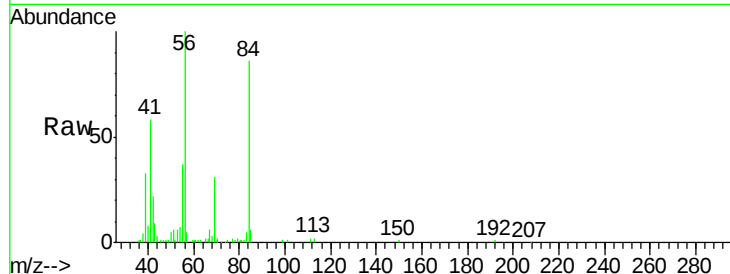
ClientSampleId :

VX0910SBS02

Tot Ion:	56	Resp:	35265
Ion Ratio	Lower	Upper	
56	100		
69	30.5	23.8	35.6
84	82.6	66.6	100.0

Manual Integrations
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MMDadoda
9/12/2019 9:00:02 AM



#32

1,1,1-Trichloroethane

Concen: 19.967 ug/l

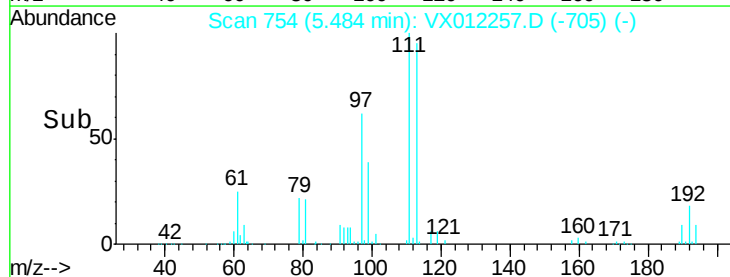
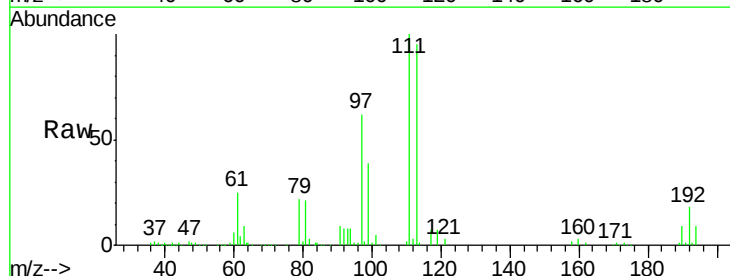
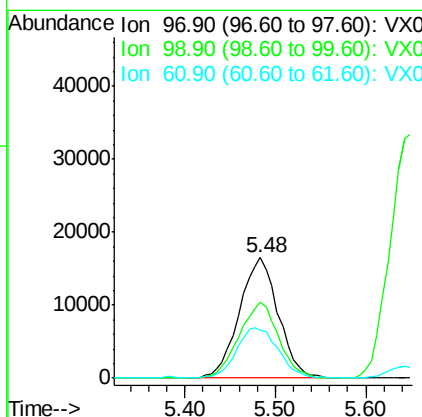
RT: 5.48 min Scan# 754

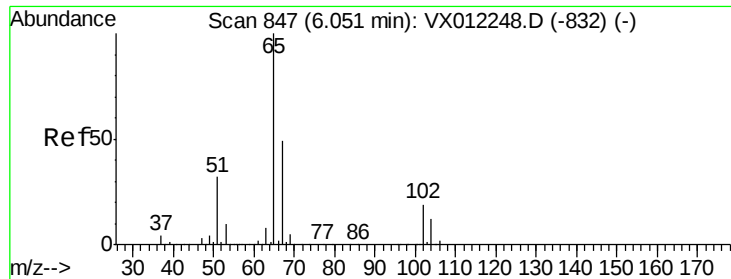
Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	97	Resp:	48929
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.3	76.9
61	44.0	35.4	53.0





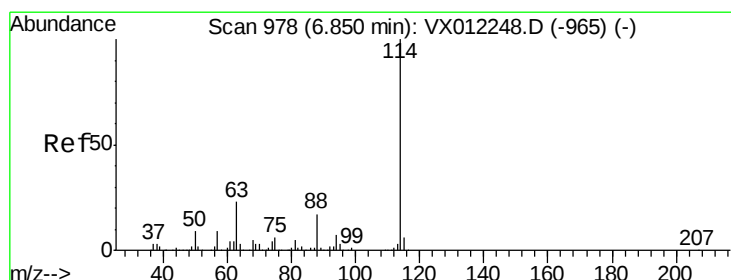
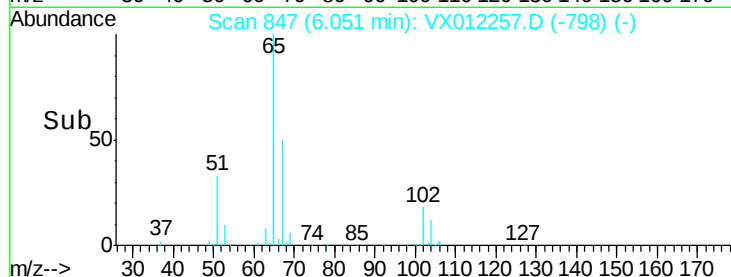
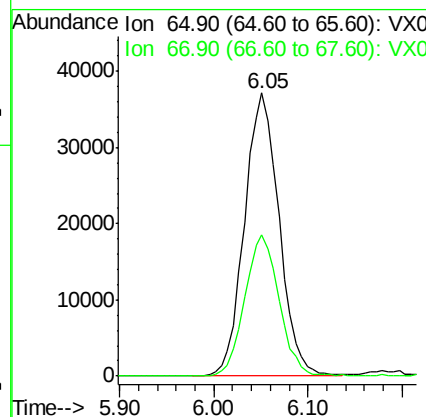
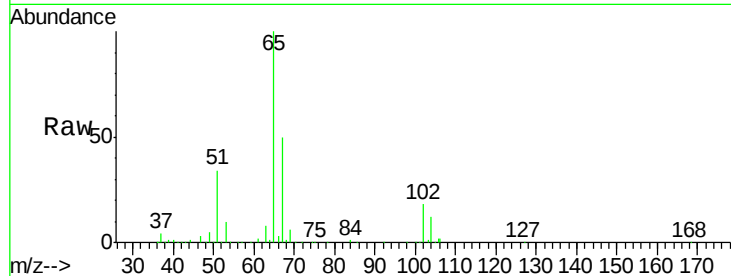
#33
 1,2-Dichloroethane-d4
 Concen: 50.183 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.8

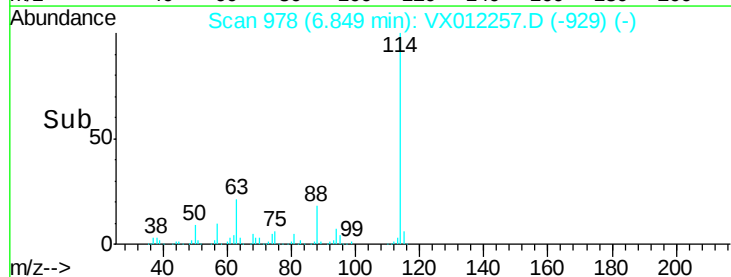
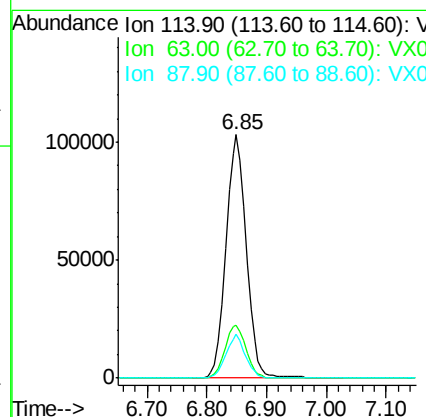
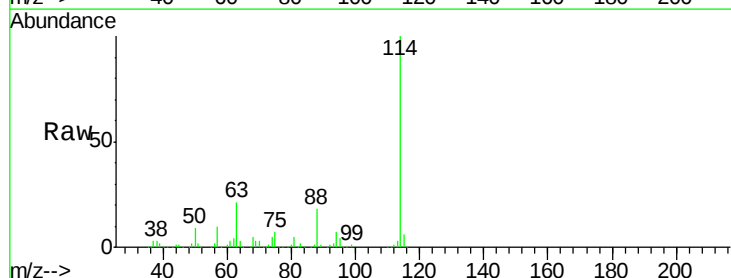
Manual Integrations
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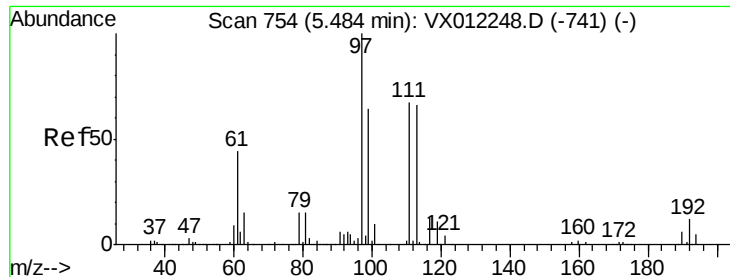
MMDadoda
 9/12/2019 9:00:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	45.2
88	17.9	0.0	34.8





#35

Dibromofluoromethane

Concen: 46.464 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion:113 Resp: 72925

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.6

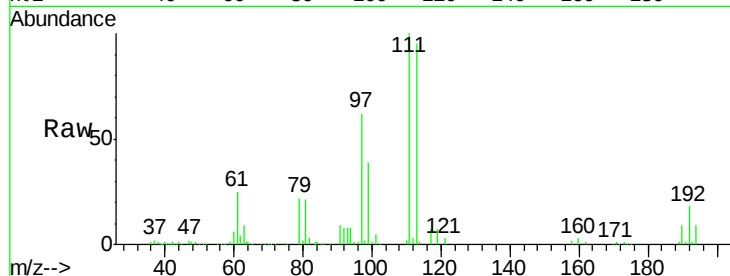
192 17.8 14.3 21.5

Manual Integrations

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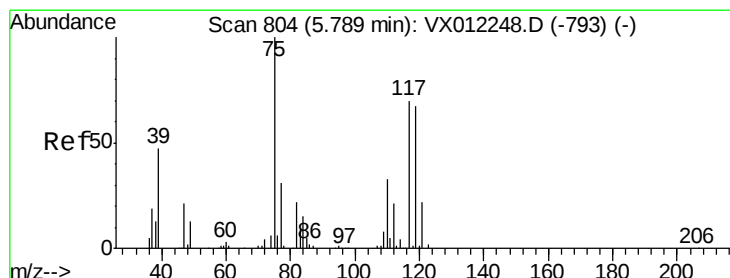
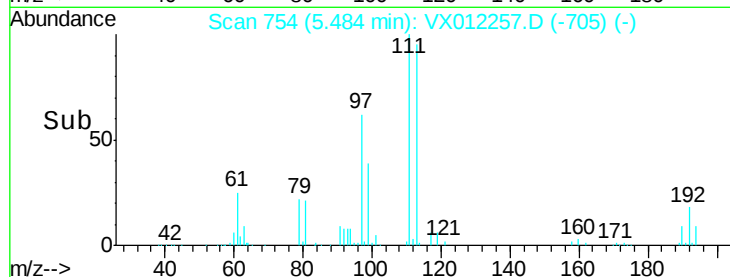
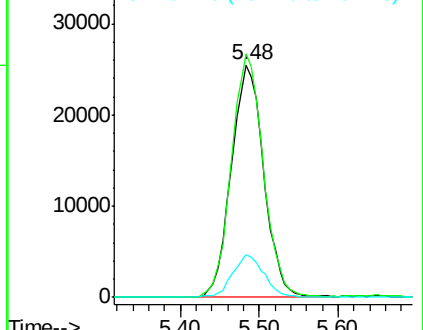
9/12/2019 9:00:02 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.413 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

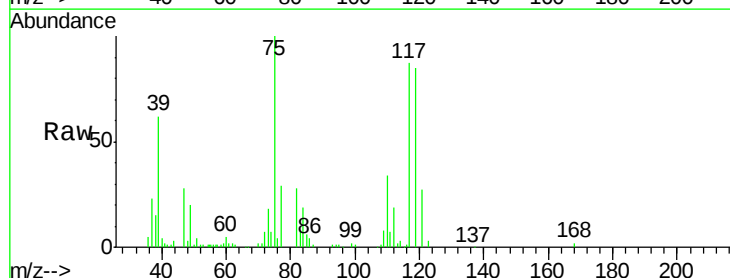
Tgt Ion: 75 Resp: 34657

Ion Ratio Lower Upper

75 100

110 35.8 16.8 50.4

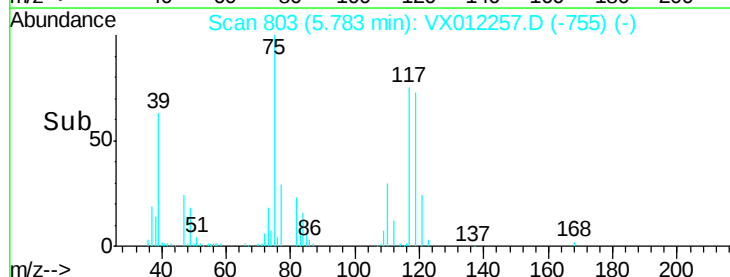
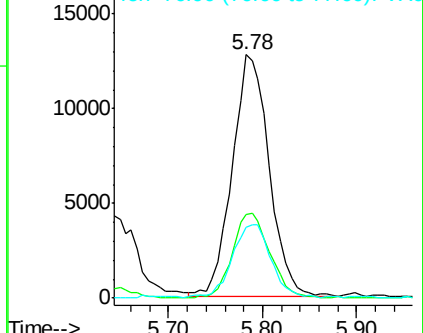
77 32.4 24.5 36.7

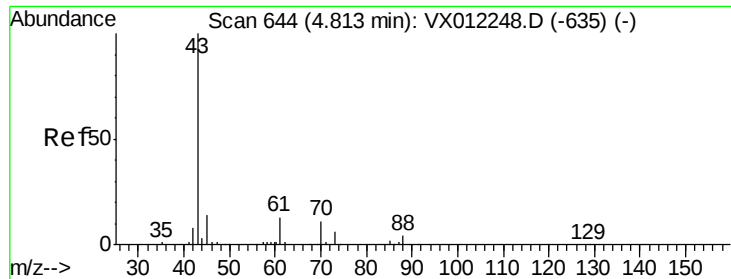


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





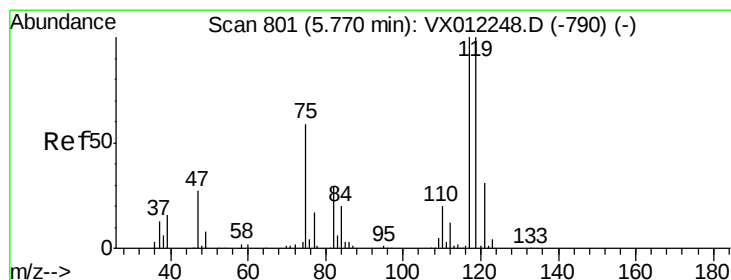
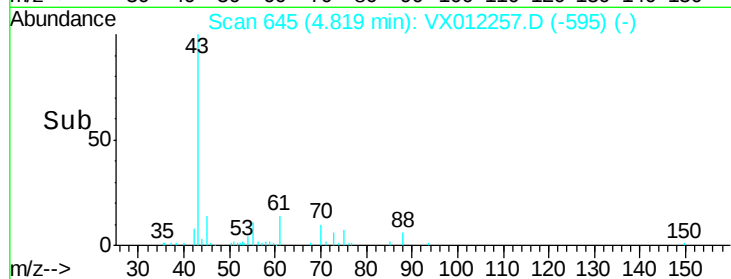
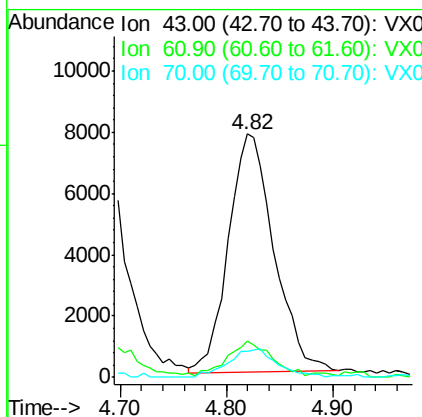
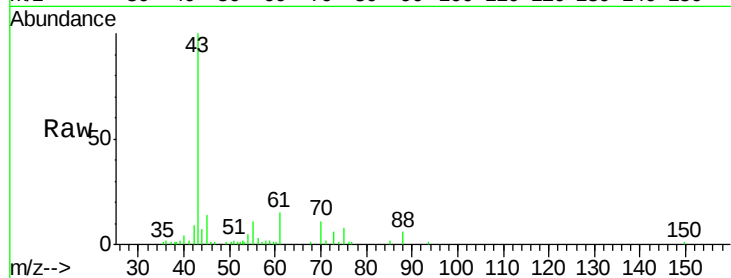
#37
Ethyl Acetate
Concen: 20.994 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleID :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	12.9	9.1	13.7

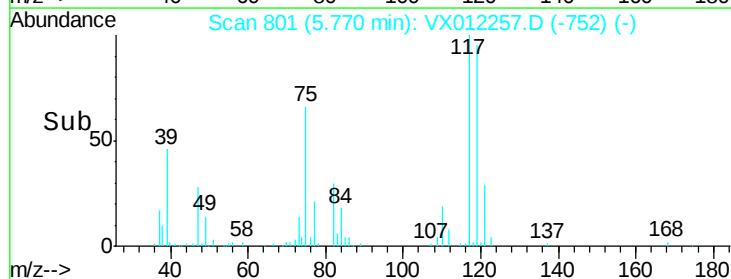
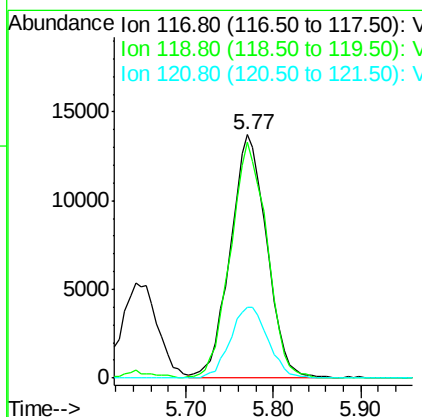
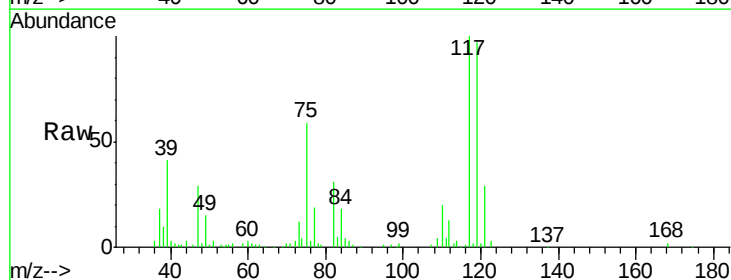
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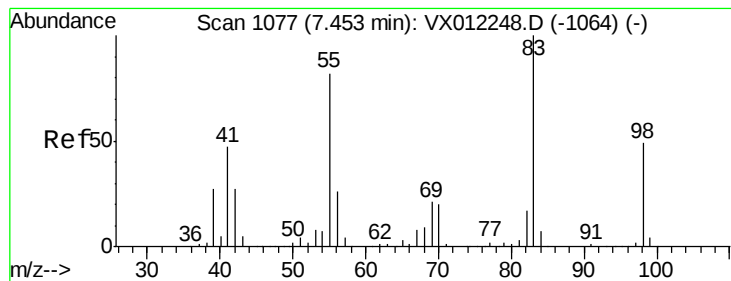
MMDadoda
9/12/2019 9:00:02 AM



#38
Carbon Tetrachloride
Concen: 18.955 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.6	119.4
121	29.2	24.7	37.1





#39

Methvlcvclohexane

Concen: 18.943 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

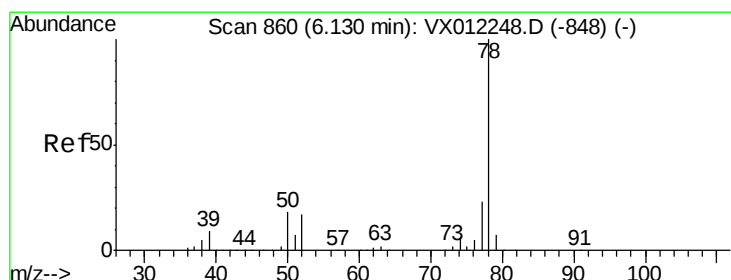
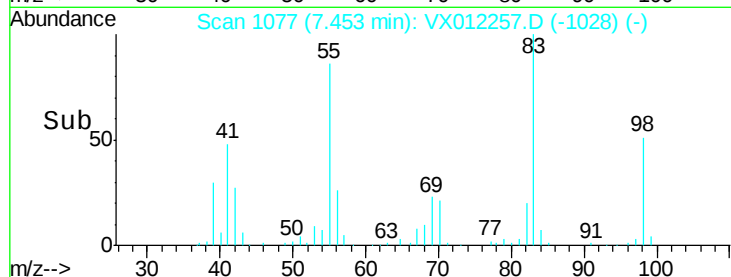
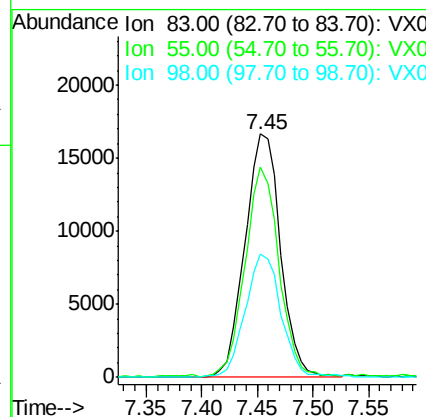
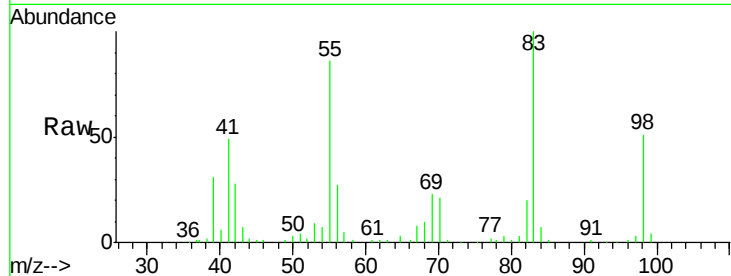
ClientSampleId :

VX0910SBS02

Tot Ion:	83	Resp:	37112
Ion	Ratio	Lower	Upper
83	100		
55	85.7	65.4	98.2
98	50.6	39.6	59.4

Manual Integrations
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9/12/2019 9:00:02 AM



#40

Benzene

Concen: 20.365 ug/l

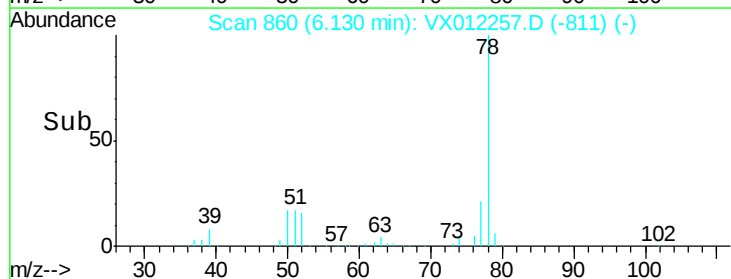
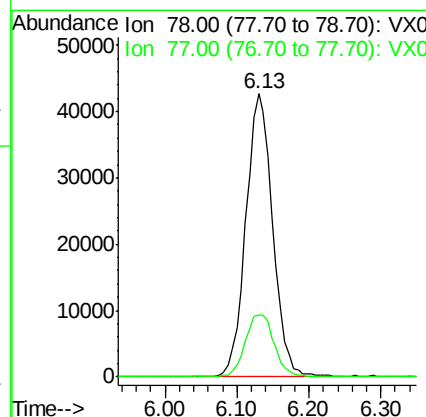
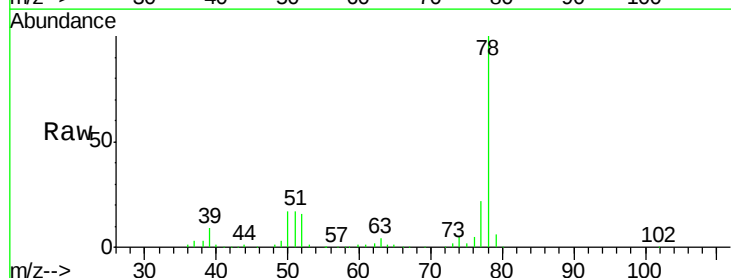
RT: 6.13 min Scan# 860

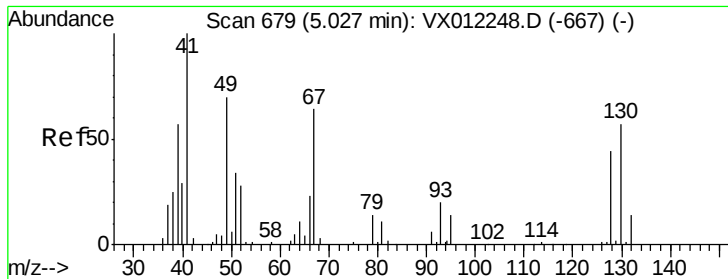
Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	78	Resp:	110037
Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.0	27.0





#41

Methacrylonitrile

Concen: 21.961 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

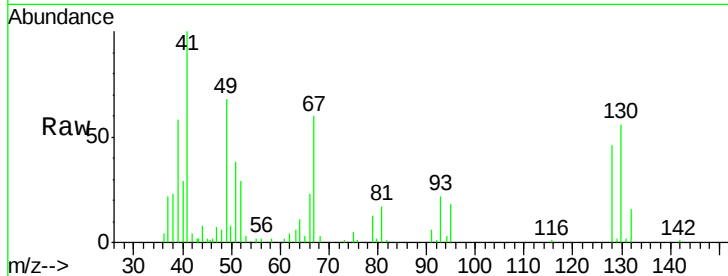
VX0910SBS02

Tot Ion: 41 Resp: 14941

Ion	Ratio	Lower	Upper
41	100		
39	56.8	49.0	73.4
67	69.1	55.0	82.4
52	33.3	25.4	38.0

Manual Integrations
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MMDadoda
9/12/2019 9:00:02 AM



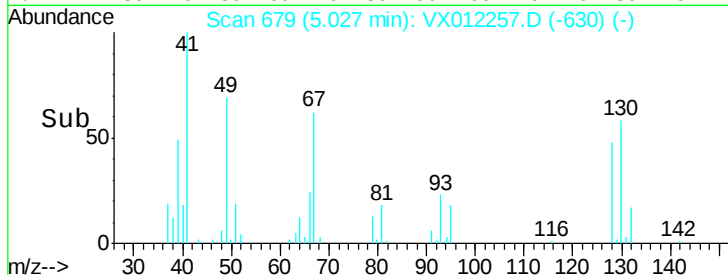
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

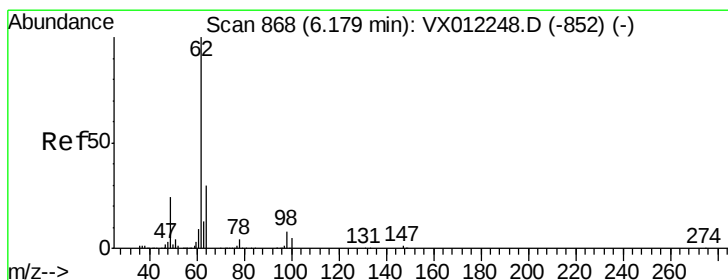
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 20.795 ug/l

RT: 6.18 min Scan# 868

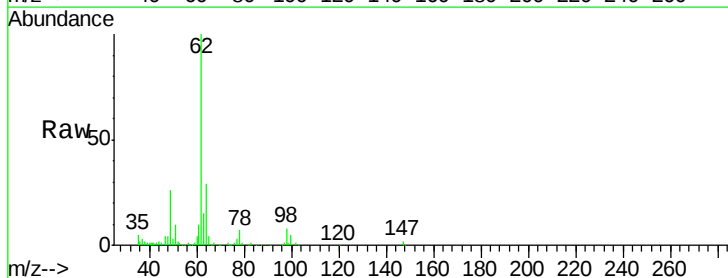
Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion: 62 Resp: 44408

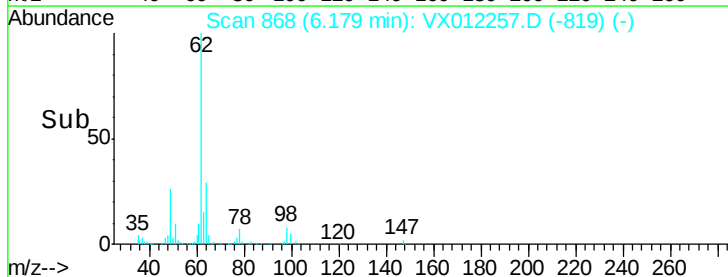
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2



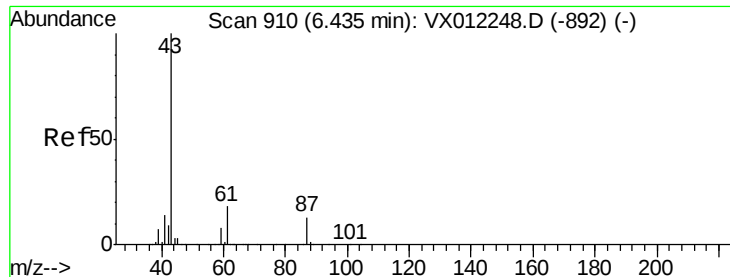
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Time-->



Time-->



#43

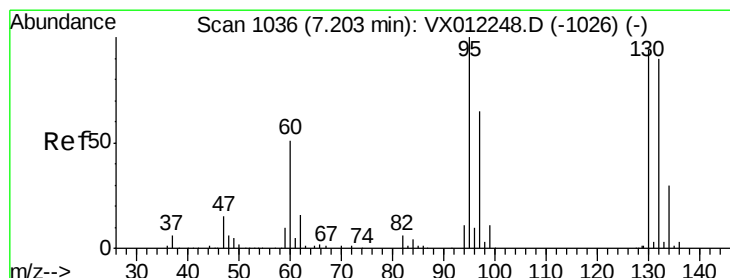
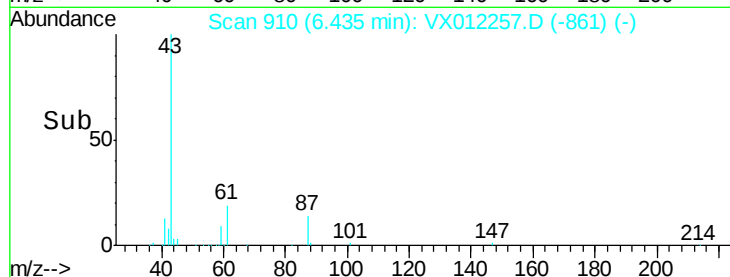
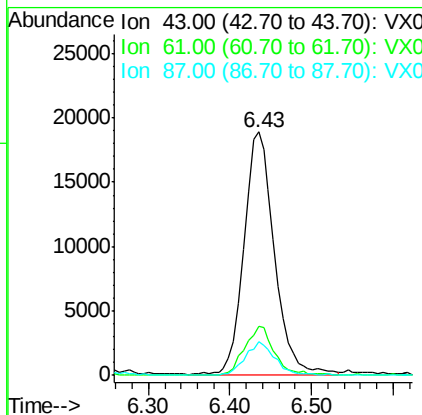
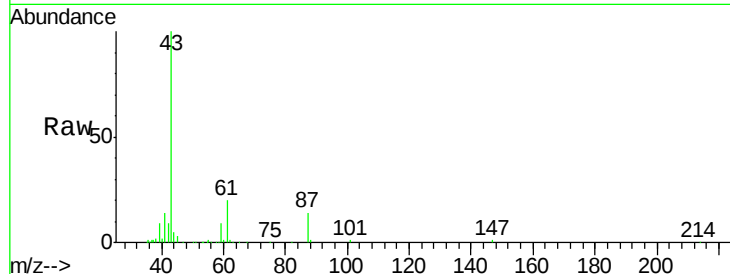
Isopropyl Acetate
 Concen: 21.249 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.2
87	13.5	10.5	15.7

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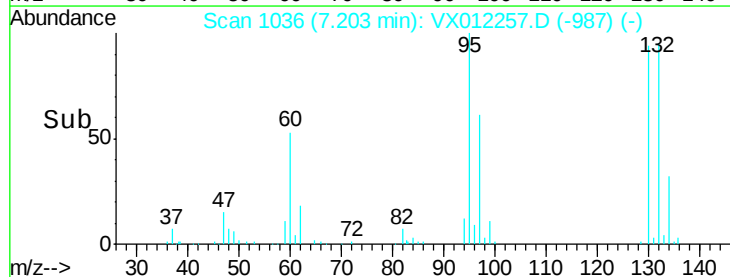
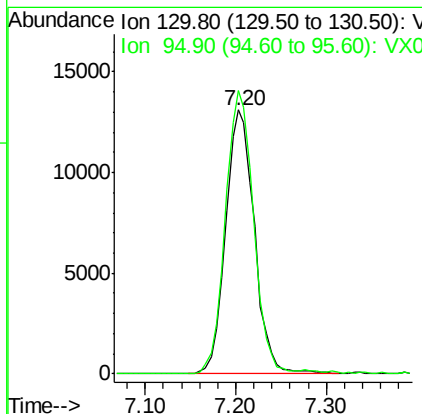
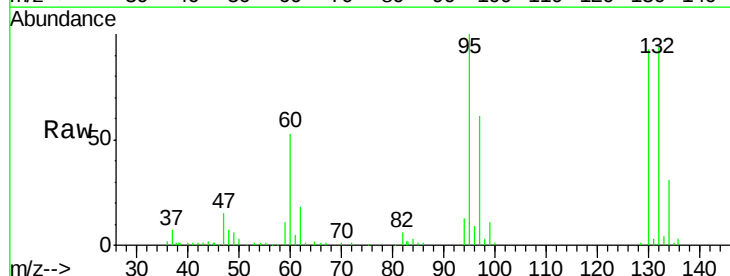
MMDadoda
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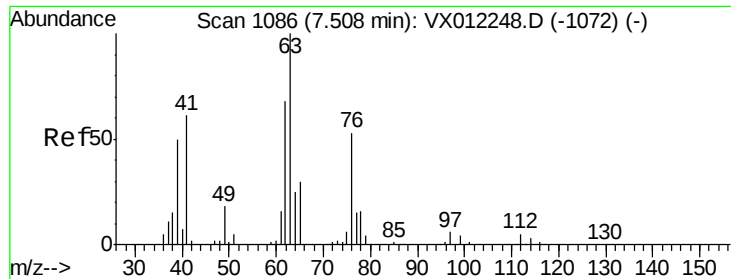


#44

Trichloroethene
 Concen: 19.684 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	212.0





#45

1,2-Dichloropropane

Concen: 20.150 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 63 Resp: 30136

Ion Ratio Lower Upper

63 100

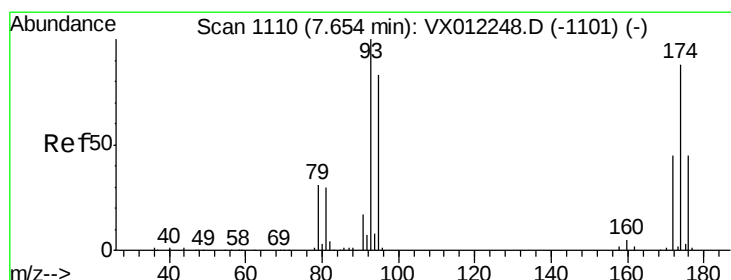
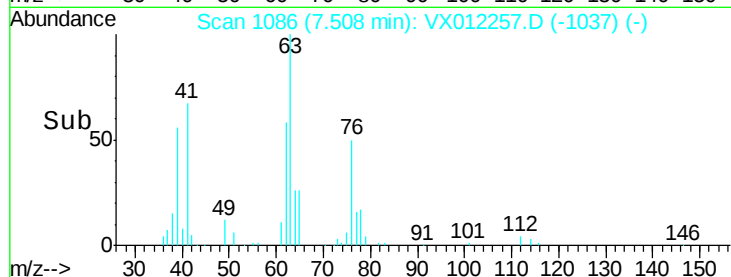
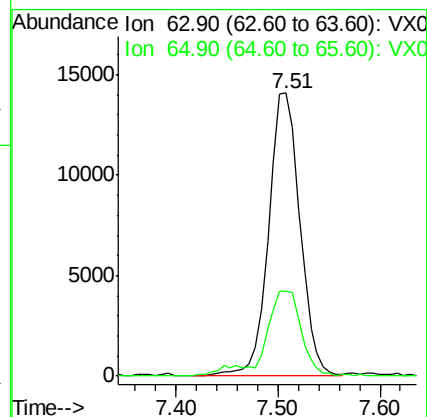
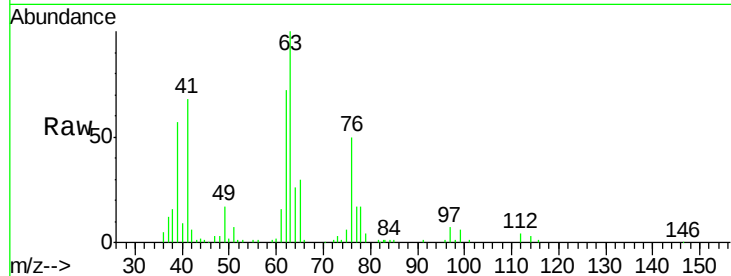
65 29.8 24.3 36.5

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#46

Dibromomethane

Concen: 20.642 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

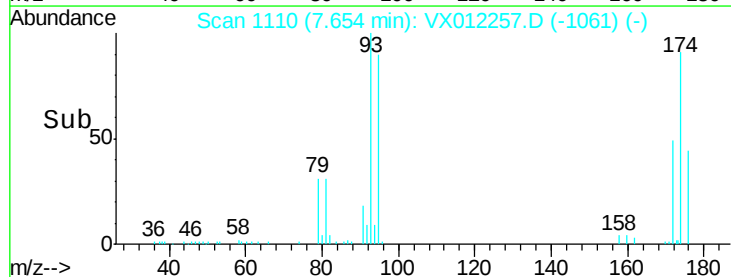
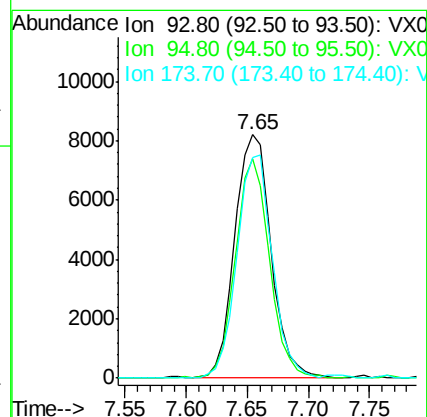
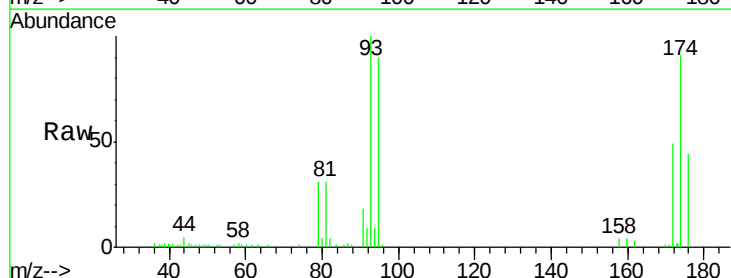
Tgt Ion: 93 Resp: 16873

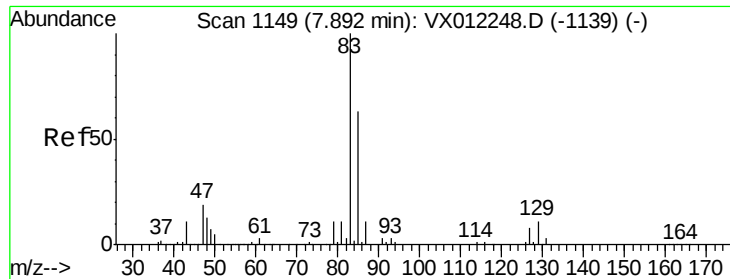
Ion Ratio Lower Upper

93 100

95 84.8 65.7 98.5

174 89.0 71.0 106.4





#47

Bromodichloromethane

Concen: 19.787 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

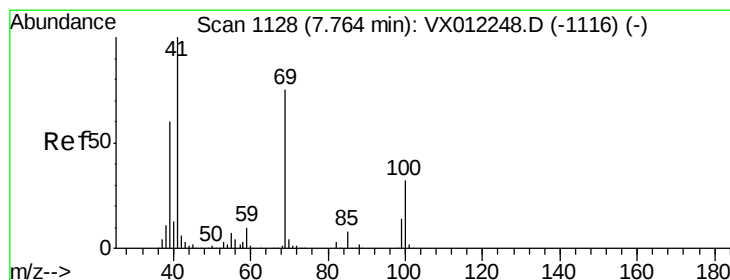
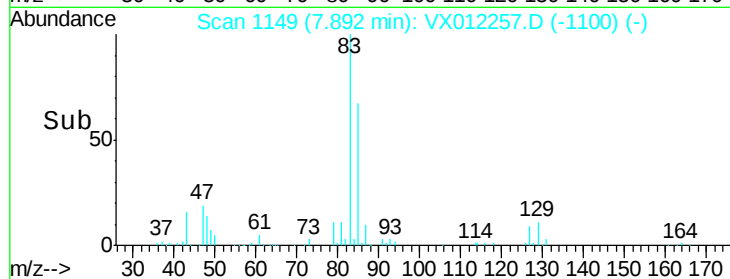
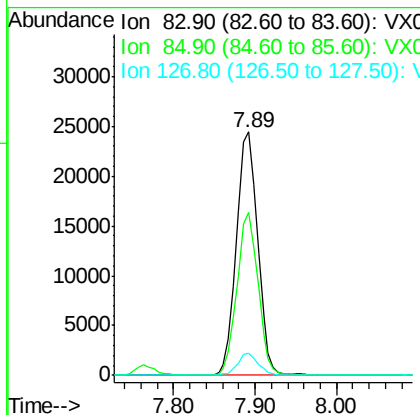
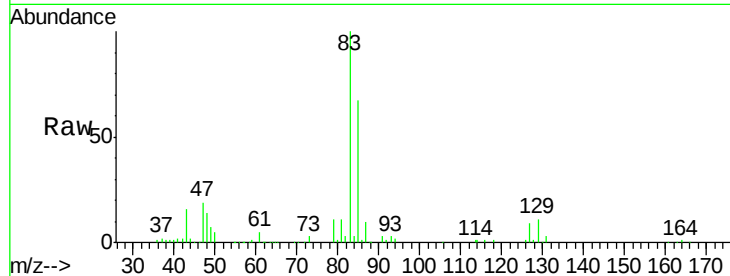
ClientSampleId :

VX0910SBS02

Tot Ion:	83	Resp:	44137
Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.2	75.4
127	8.9	6.3	9.5

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#48

Methyl methacrylate

Concen: 20.637 ug/l

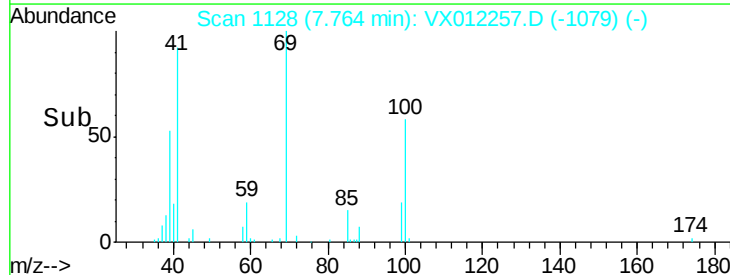
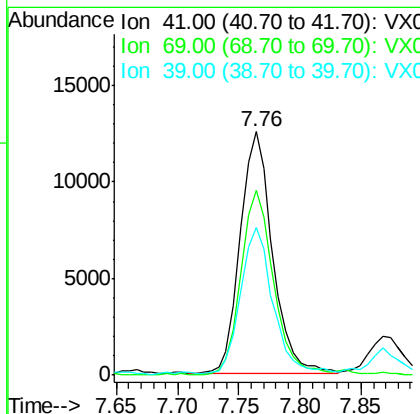
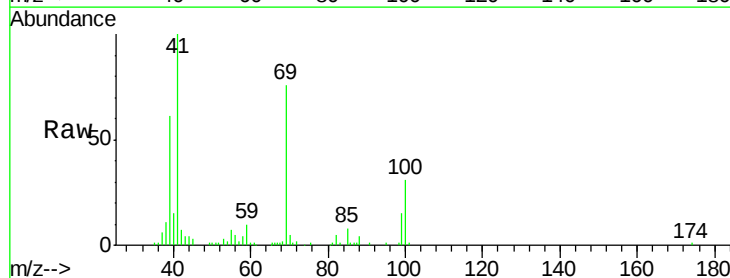
RT: 7.76 min Scan# 1128

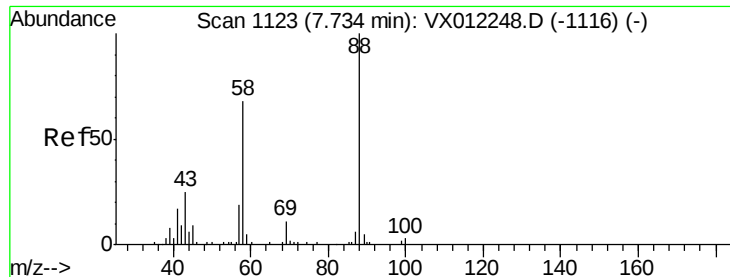
Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	41	Resp:	22983
Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.8	92.6
39	61.5	48.6	73.0





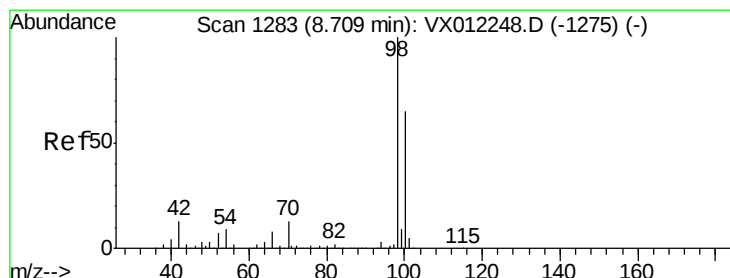
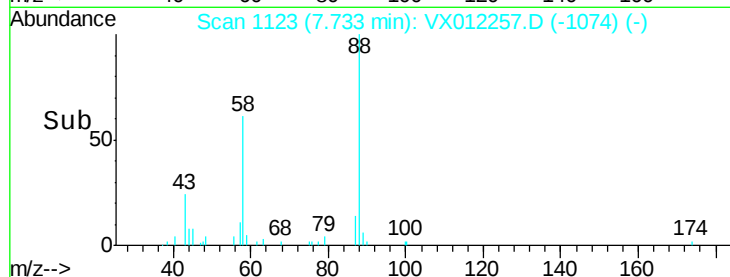
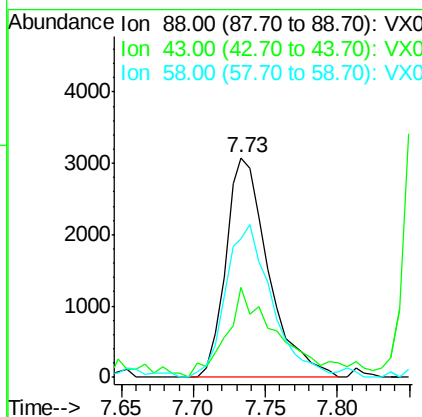
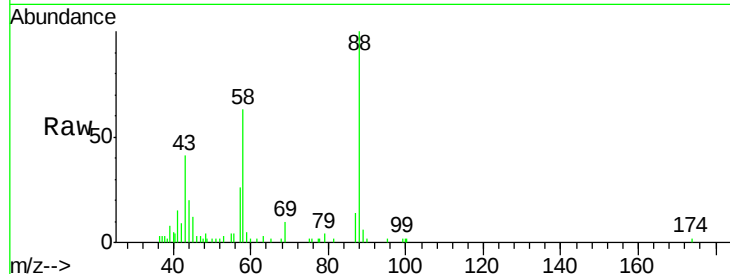
#49
1,4-Dioxane
Concen: 422.417 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	52.9	31.0	46.4#
58	75.2	61.5	92.3

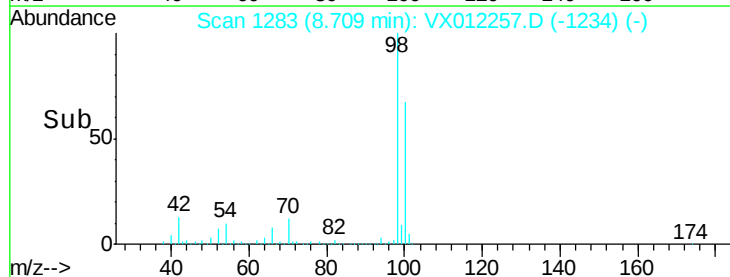
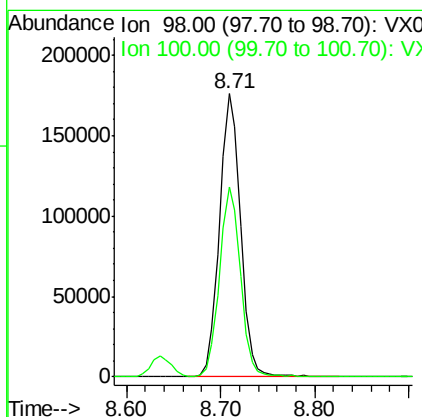
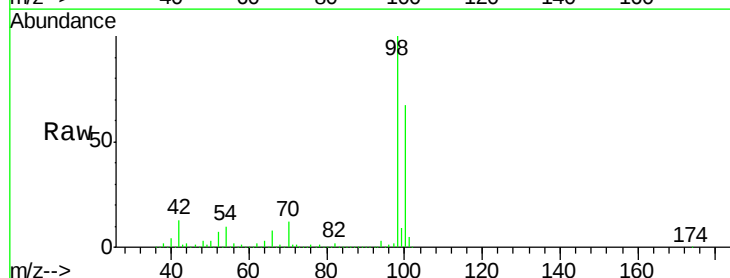
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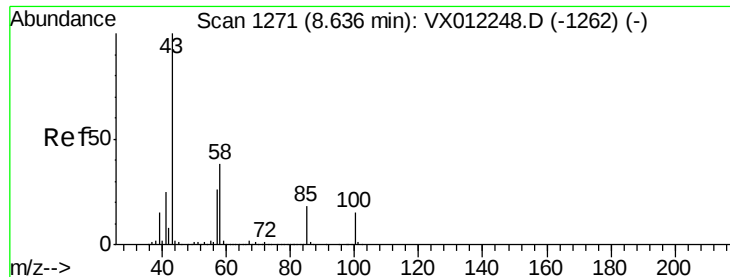
MMDadoda
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#50
Toluene-d8
Concen: 49.706 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 101.488 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 43 Resp: 124623

Ion Ratio Lower Upper

43 100

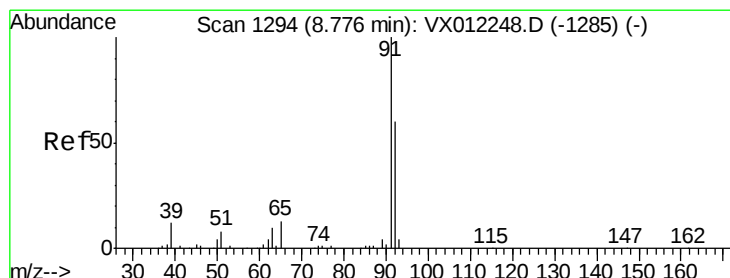
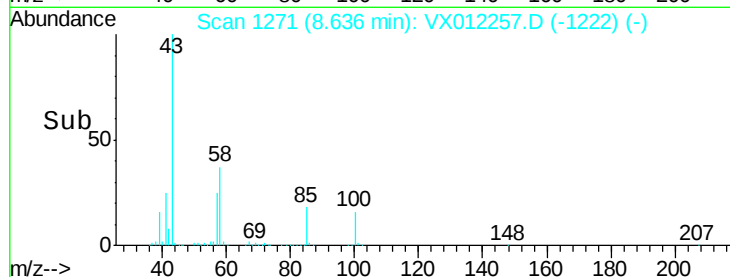
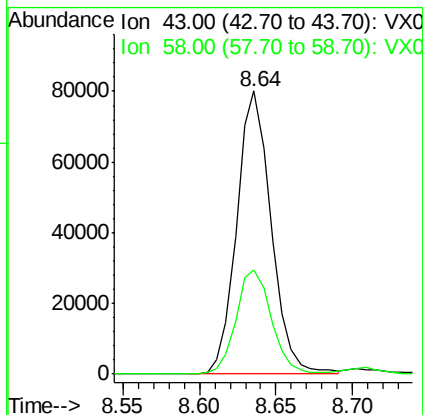
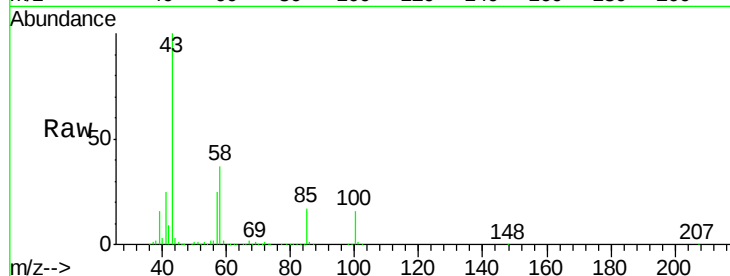
58 37.9 30.1 45.1

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#52

Toluene

Concen: 20.149 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012257.D

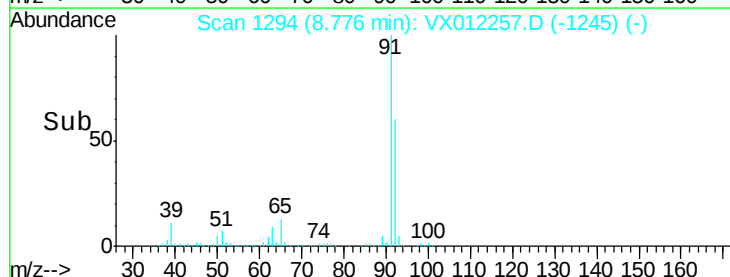
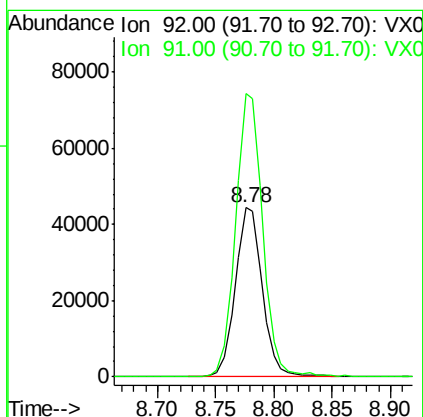
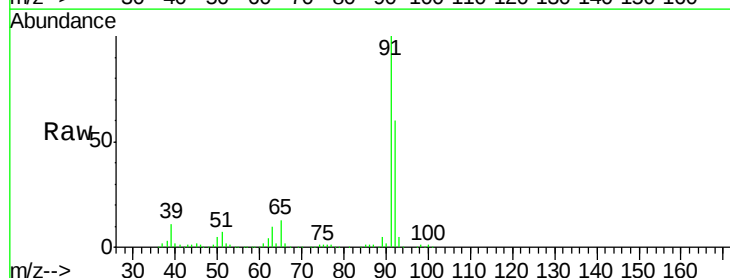
Acq: 10 Sep 2019 15:58

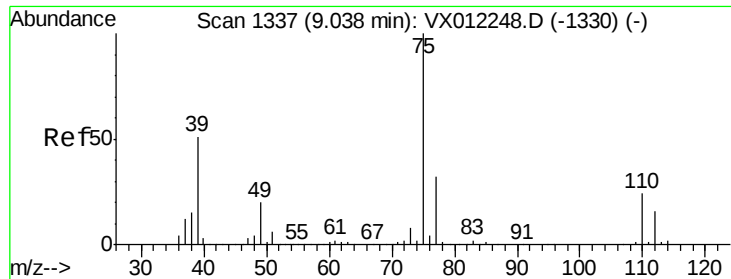
Tgt Ion: 92 Resp: 71910

Ion Ratio Lower Upper

92 100

91 168.3 133.6 200.4





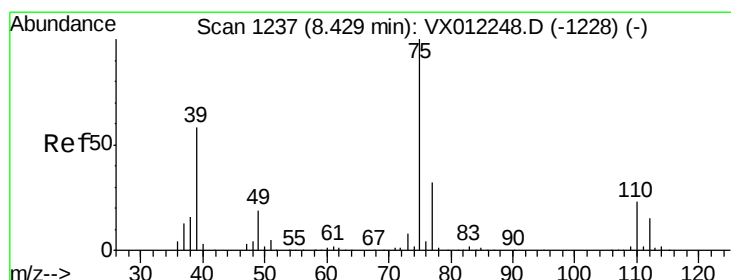
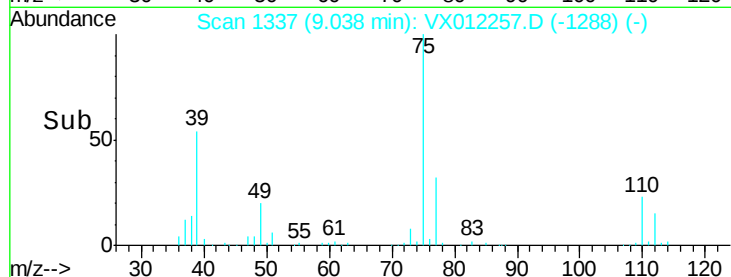
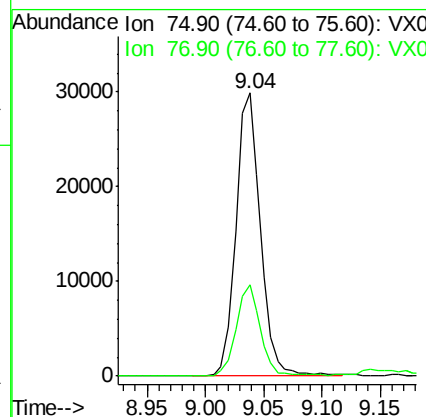
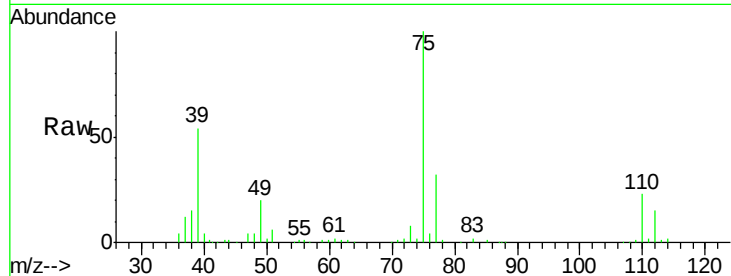
#53
t-1,3-Dichloropropene
Concen: 19.668 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion: 75 Resp: 43789
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.6

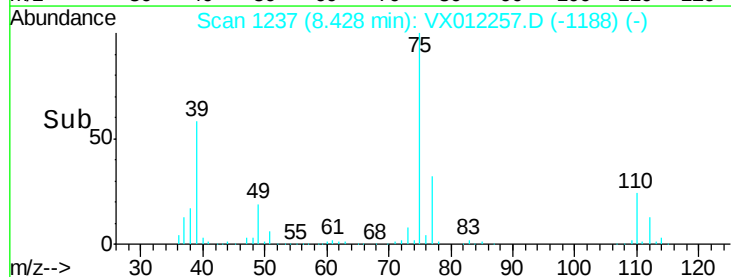
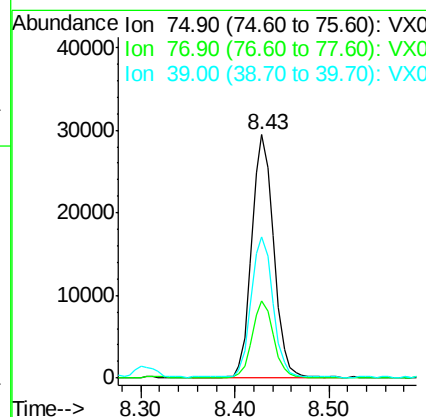
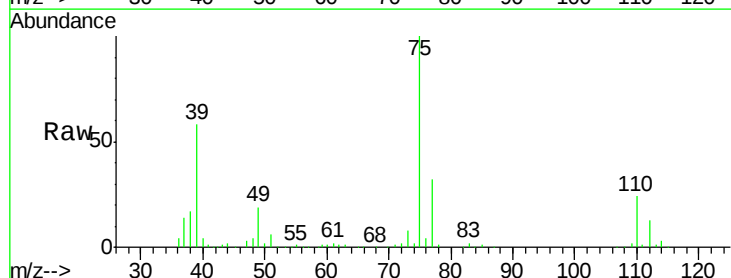
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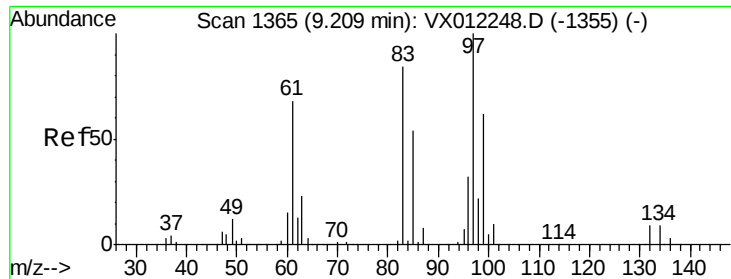
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#54
cis-1,3-Dichloropropene
Concen: 19.746 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion: 75 Resp: 48750
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 57.8 46.5 69.7





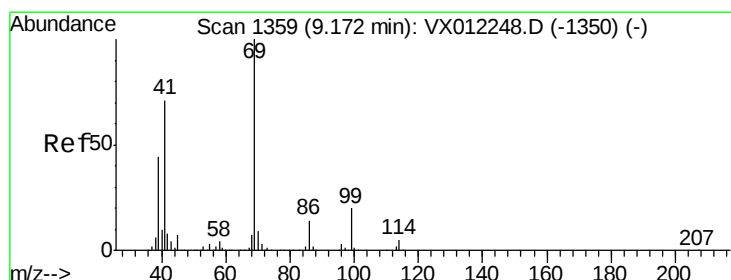
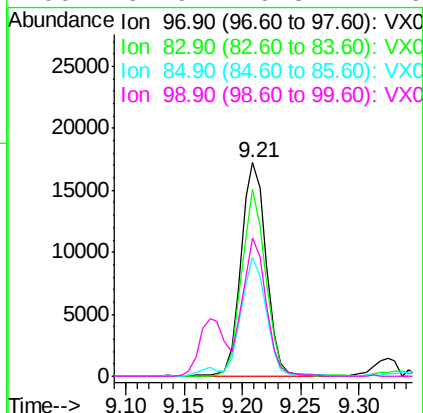
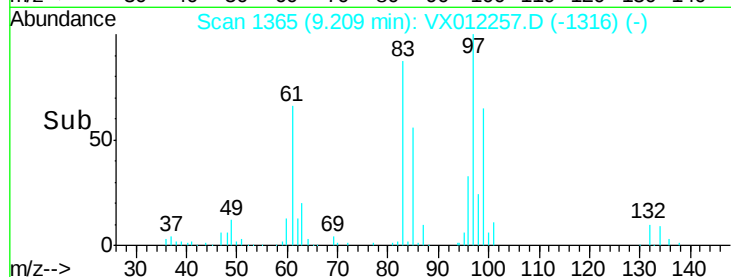
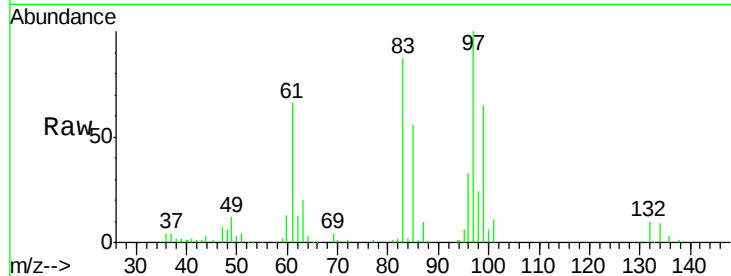
#55
 1,1,2-Trichloroethane
 Concen: 20.593 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion:	97	Resp:	26078
Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.4	101.2
85	55.9	43.4	65.2
99	64.9	49.8	74.6

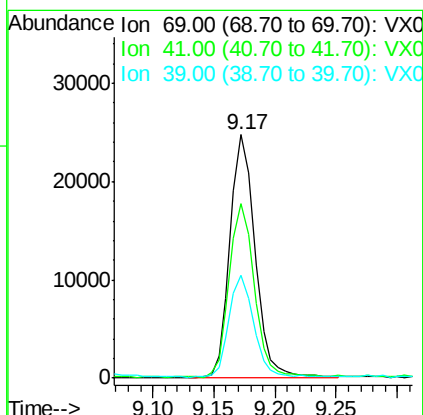
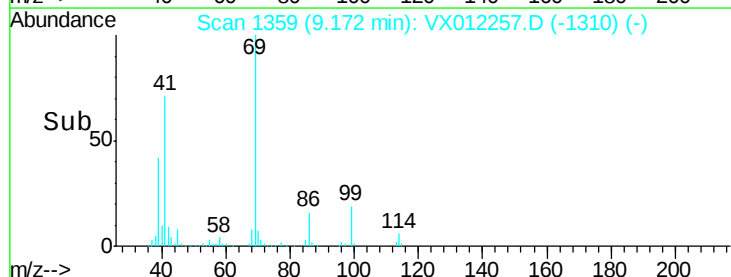
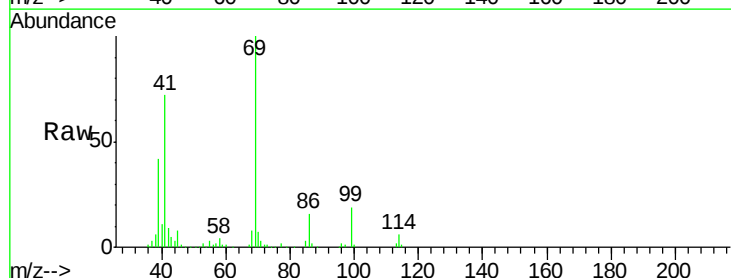
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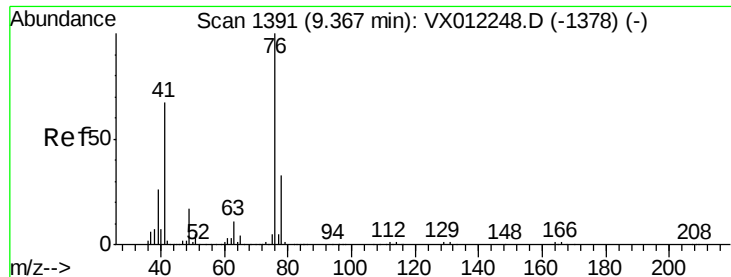
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#56
 Ethyl methacrylate
 Concen: 20.682 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion:	69	Resp:	35462
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.7	86.5
39	41.5	34.0	51.0





#57

1,3-Dichloropropane

Concen: 20.794 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 76 Resp: 44974

Ion Ratio Lower Upper

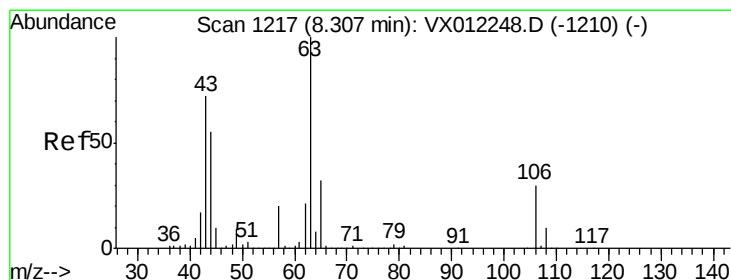
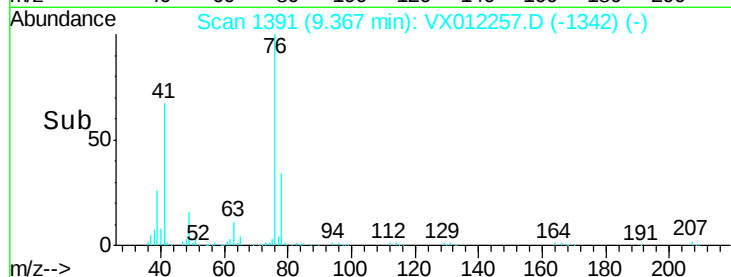
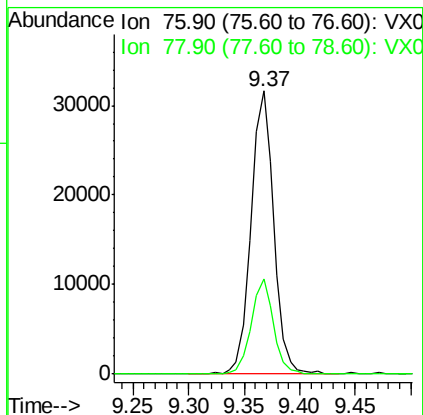
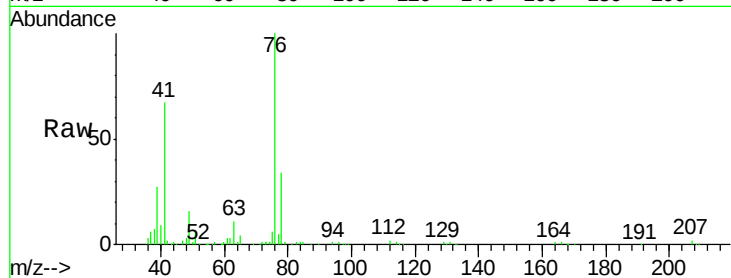
76 100

78 32.9 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 101.327 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012257.D

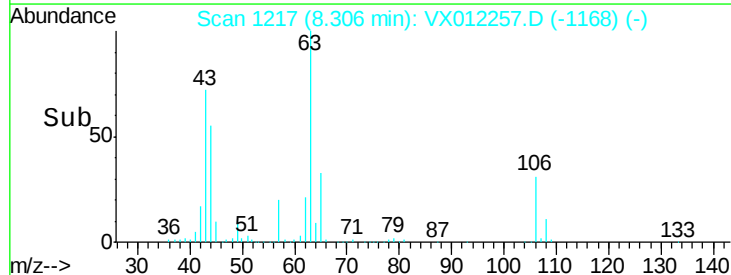
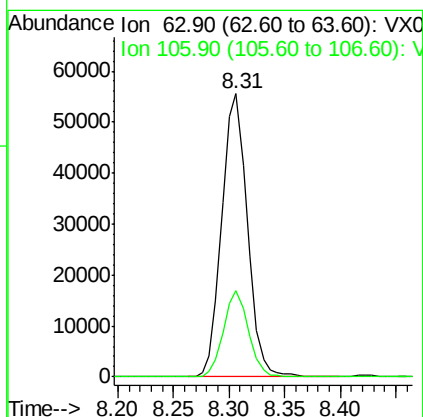
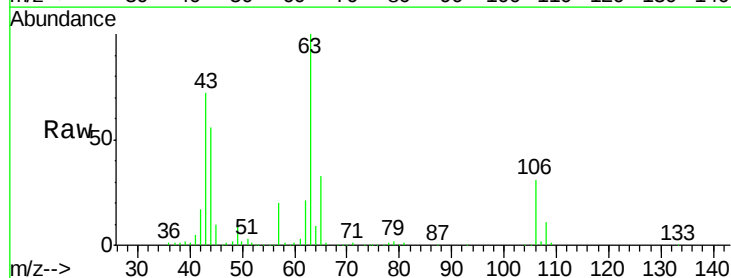
Acq: 10 Sep 2019 15:58

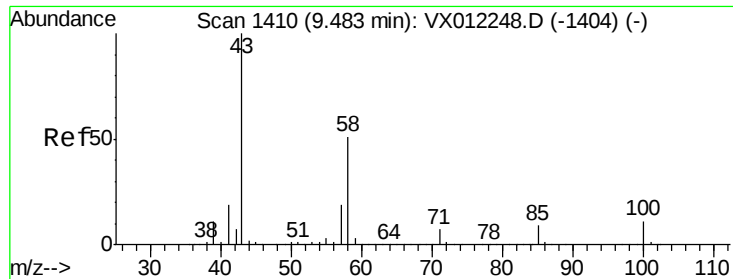
Tgt Ion: 63 Resp: 89045

Ion Ratio Lower Upper

63 100

106 29.9 23.4 35.2





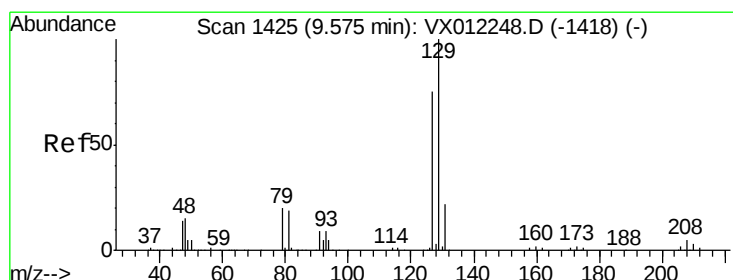
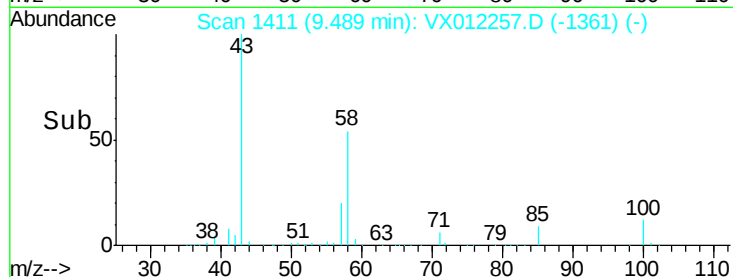
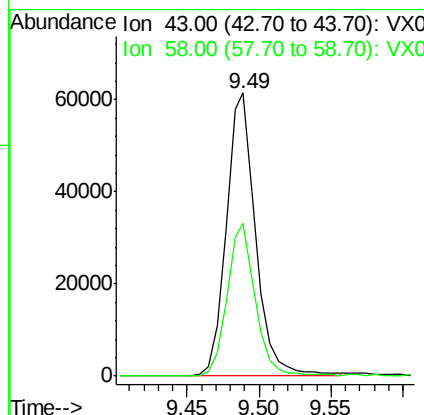
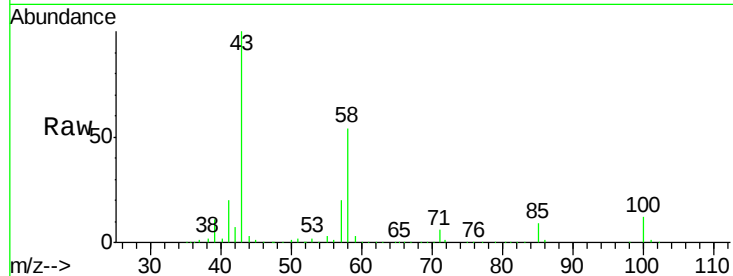
#59
2-Hexanone
Concen: 102.776 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion: 43 Resp: 87751
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3

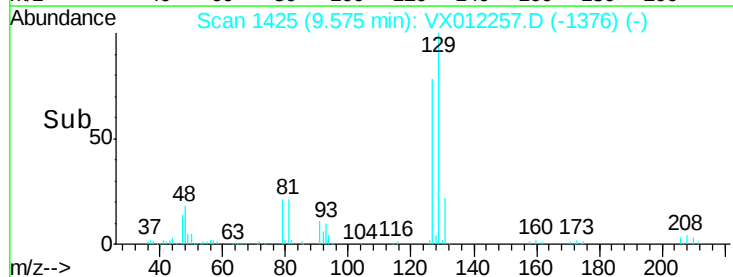
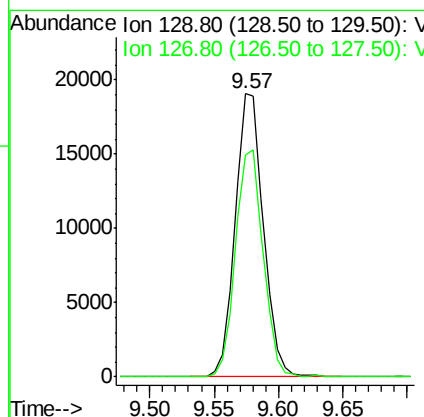
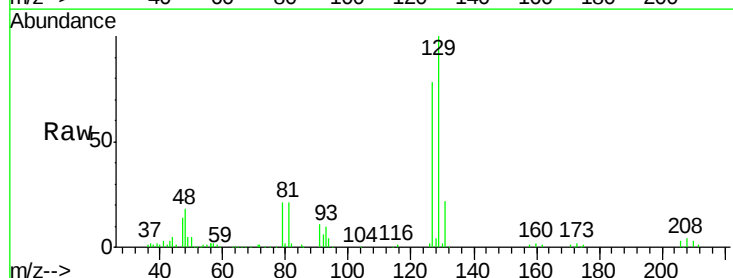
Manual Integrations
APPROVED

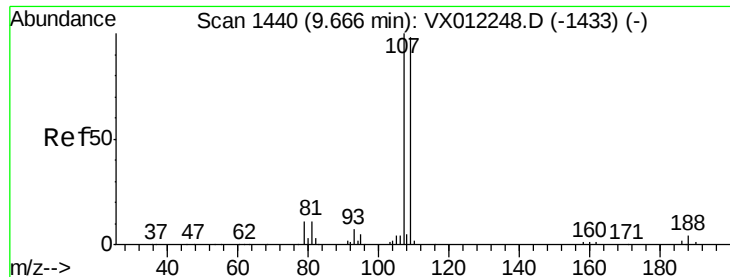
MMDadoda
9/12/2019 9:00:02 AM



#60
Dibromochloromethane
Concen: 19.608 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion: 129 Resp: 28988
Ion Ratio Lower Upper
129 100
127 79.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.960 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion:107 Resp: 24707

Ion Ratio Lower Upper

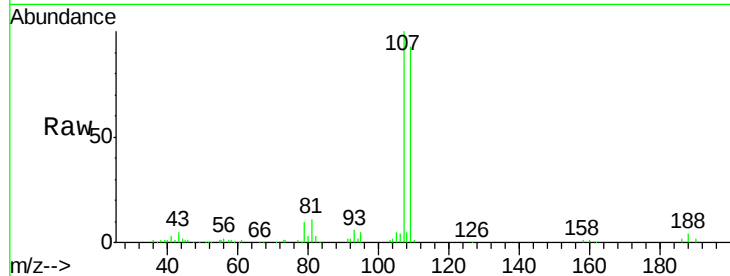
107 100

109 92.6 76.3 114.5

Manual Integrations
APPROVED

MMDadoda

9/12/2019 9:00:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

20000

15000

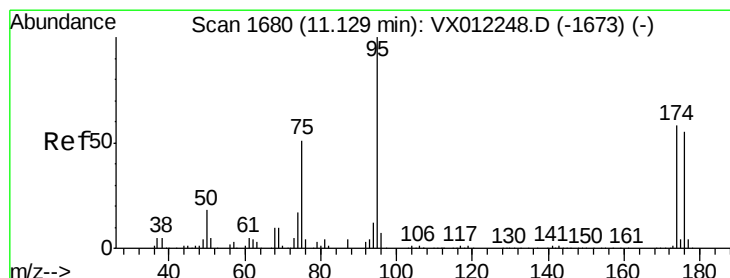
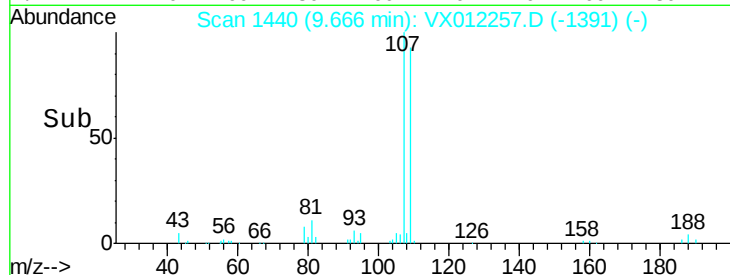
10000

5000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 46.537 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

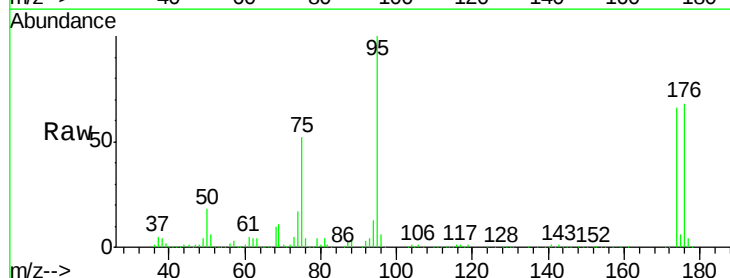
Tgt Ion: 95 Resp: 118764

Ion Ratio Lower Upper

95 100

174 64.8 0.0 127.0

176 63.2 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

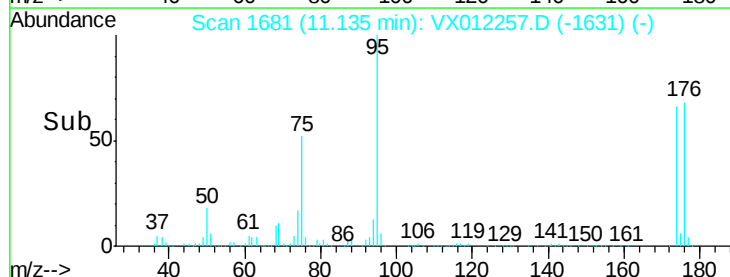
40000

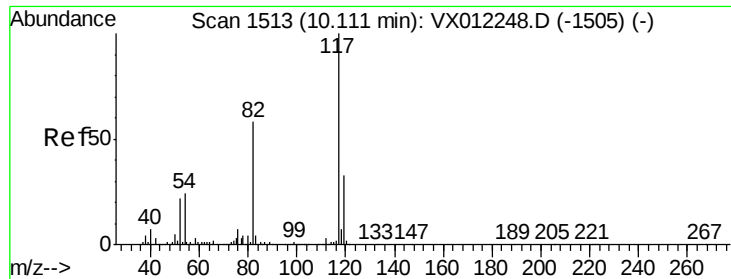
20000

0

11.10 11.14 11.20

Time-->





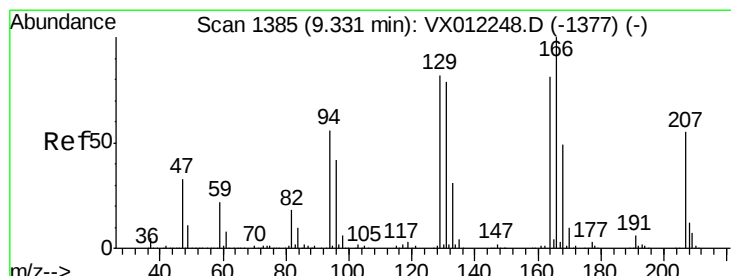
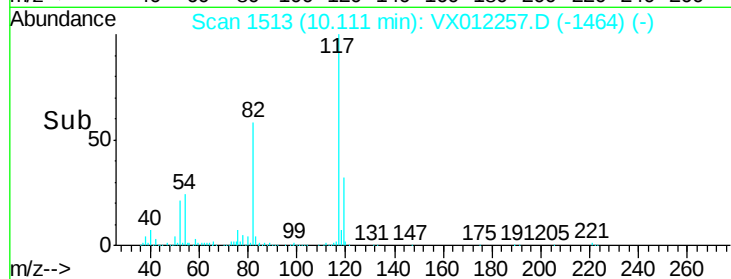
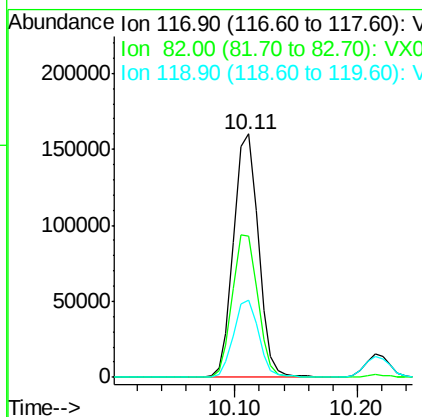
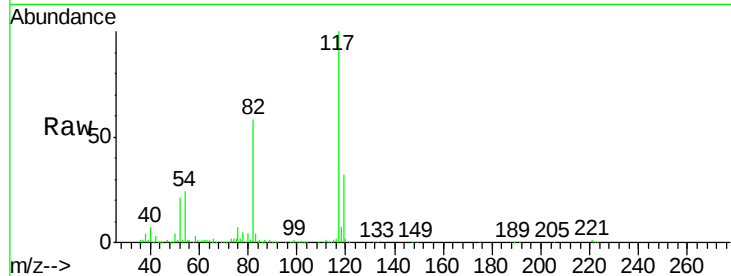
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	225357		
82	58.2	46.4	69.6	
119	31.8	26.6	39.8	

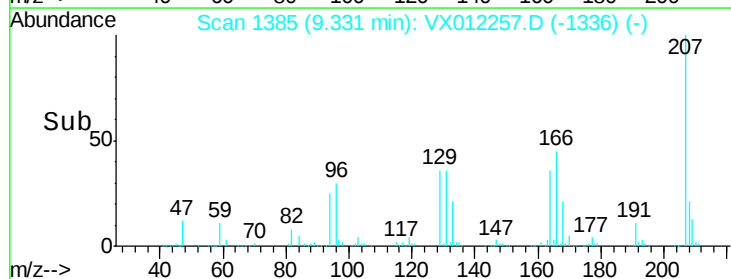
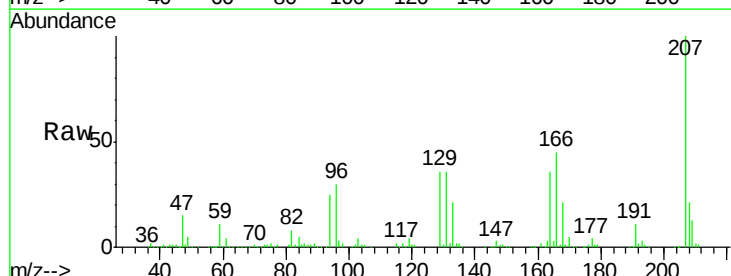
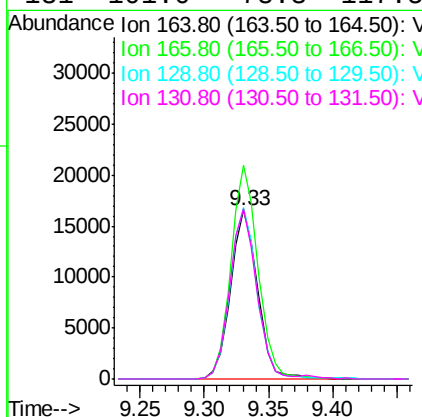
Manual Integrations
APPROVED

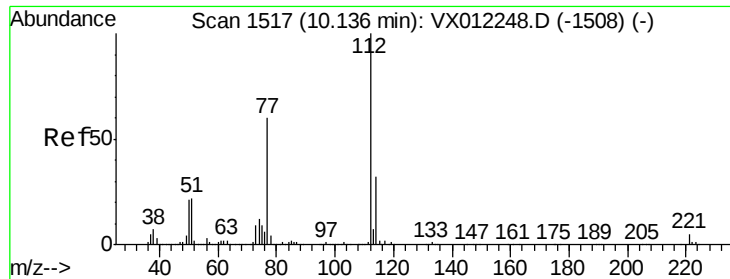
MMDadoda
9/12/2019 9:00:02 AM



#64
Tetrachloroethene
Concen: 20.331 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24231		
166	126.6	99.4	149.0	
129	101.9	81.8	122.8	
131	101.0	78.3	117.5	





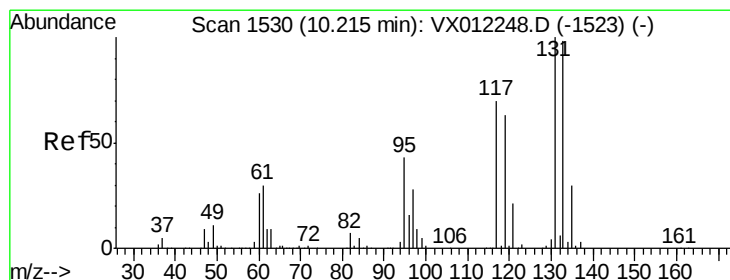
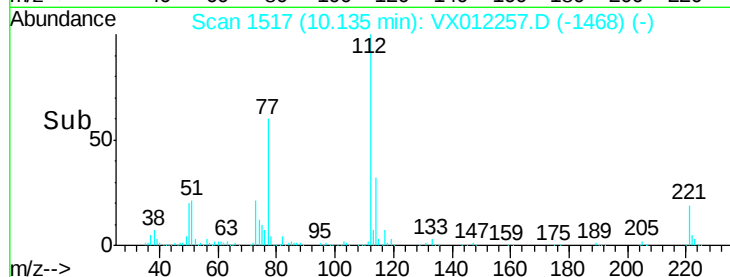
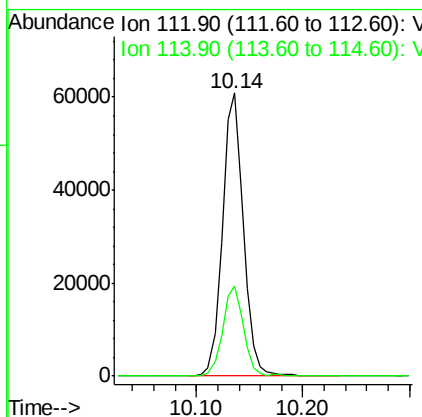
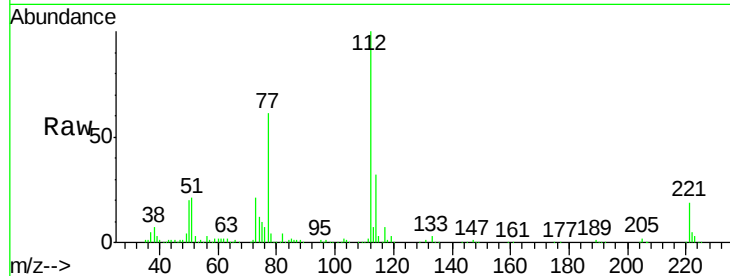
#65
Chlorobenzene
Concen: 20.278 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion:112 Resp: 83500
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

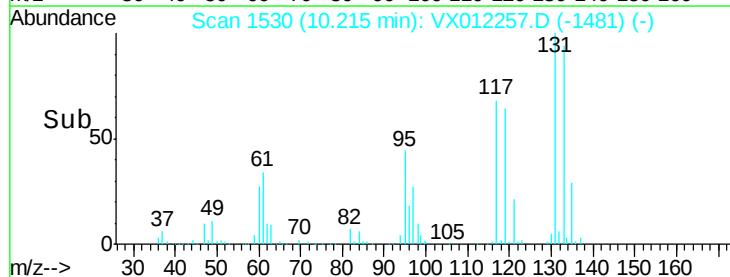
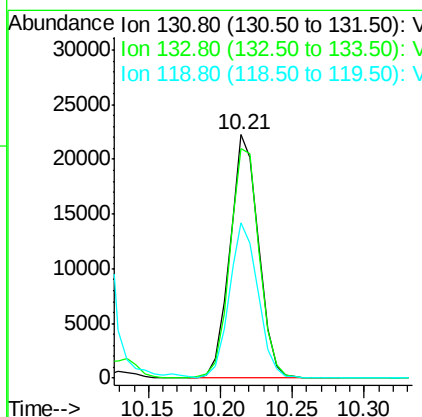
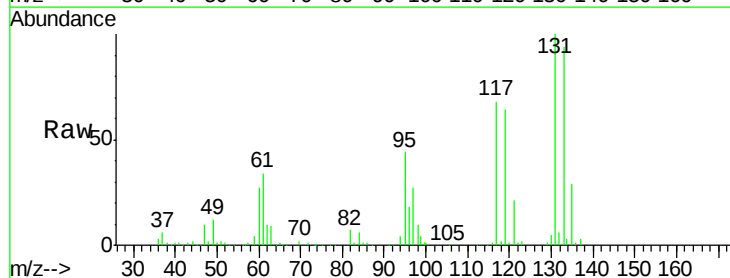
Manual Integrations
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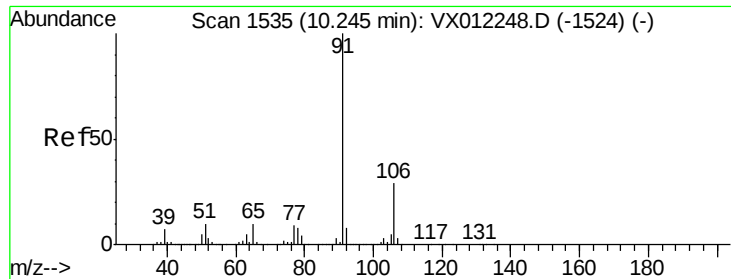
MMDadoda
9/12/2019 9:00:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.893 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion:131 Resp: 30879
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.2
119 63.9 31.6 95.0





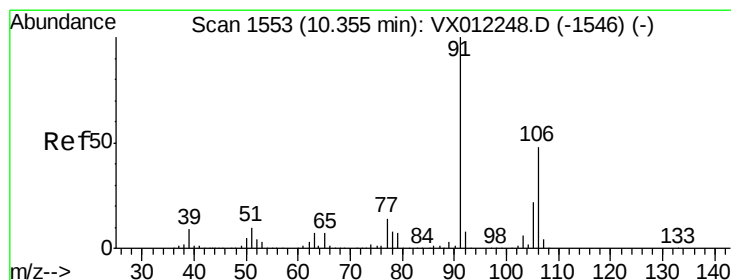
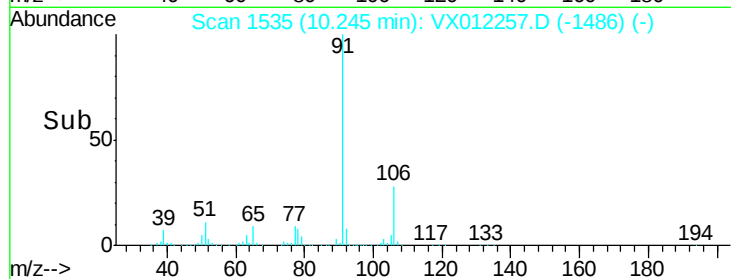
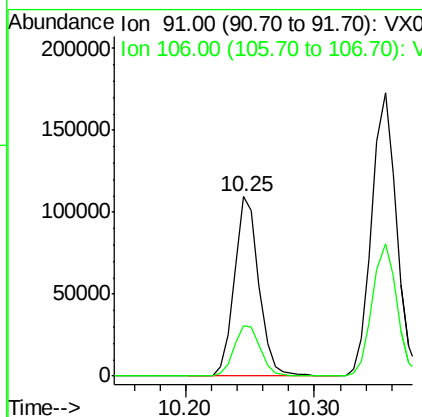
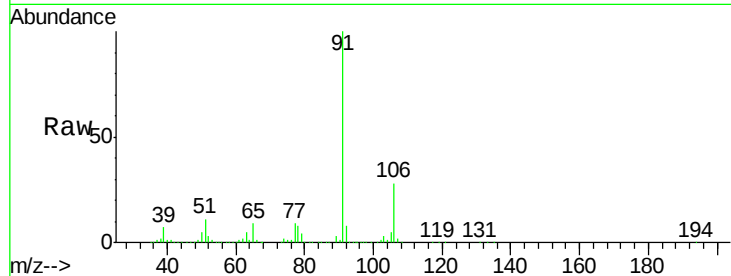
#67
Ethyl Benzene
Concen: 19.929 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion: 91 Resp: 145953
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7

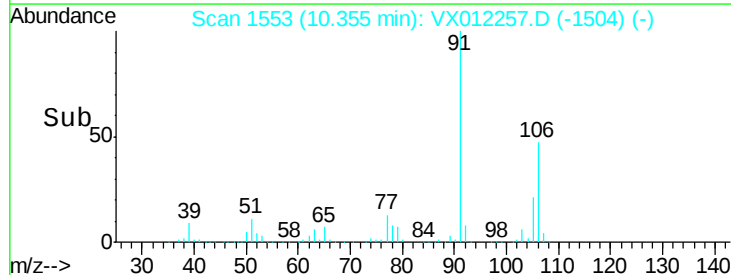
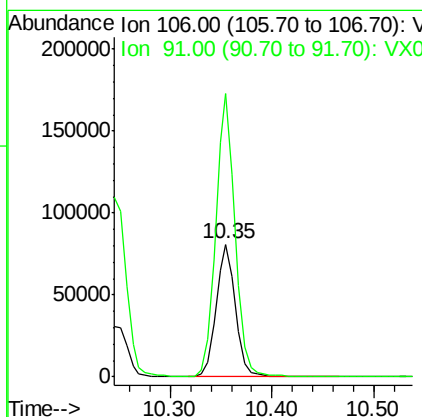
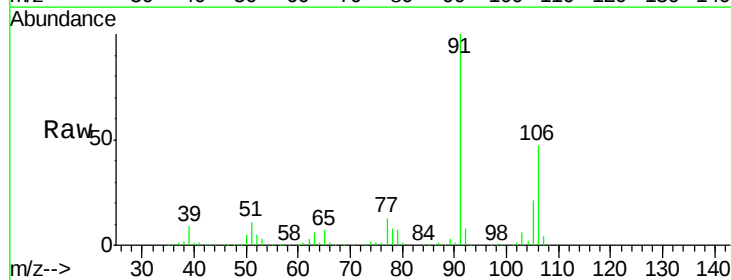
Manual Integrations
APPROVED

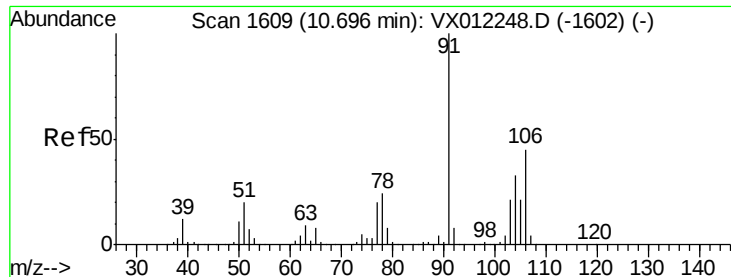
MMDadoda
9/12/2019 9:00:02 AM



#68
m/p-Xylenes
Concen: 40.099 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion: 106 Resp: 108103
Ion Ratio Lower Upper
106 100
91 213.3 167.0 250.6





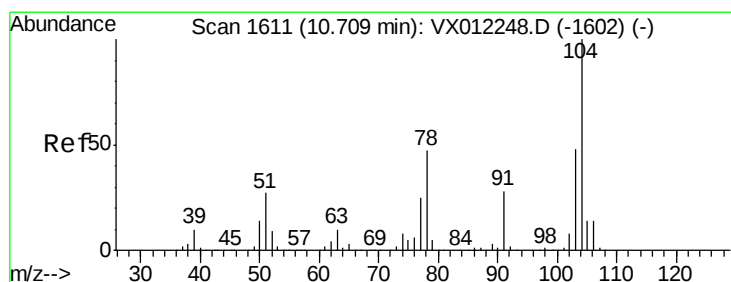
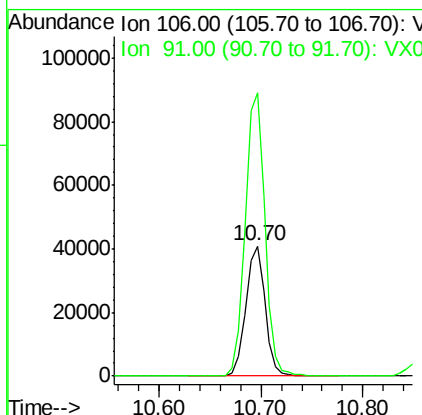
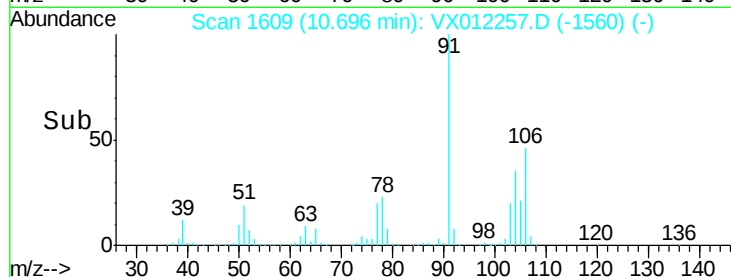
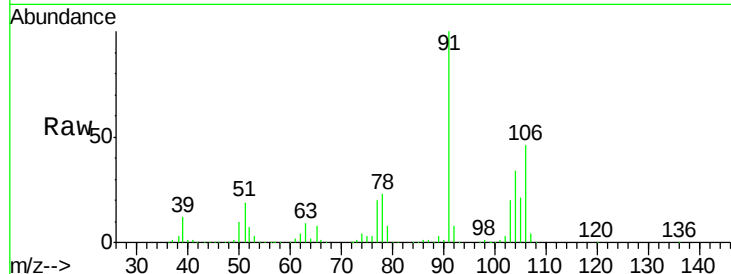
#69
o-Xylene
Concen: 20.301 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion:106 Resp: 53613
Ion Ratio Lower Upper
106 100
91 221.7 110.5 331.4

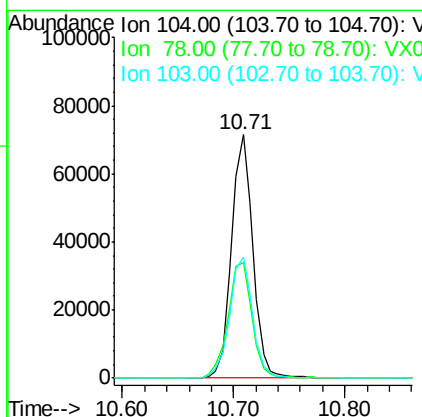
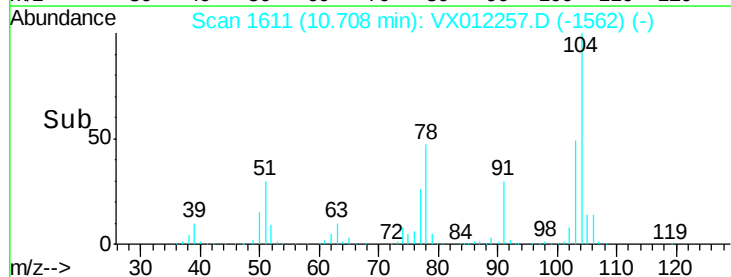
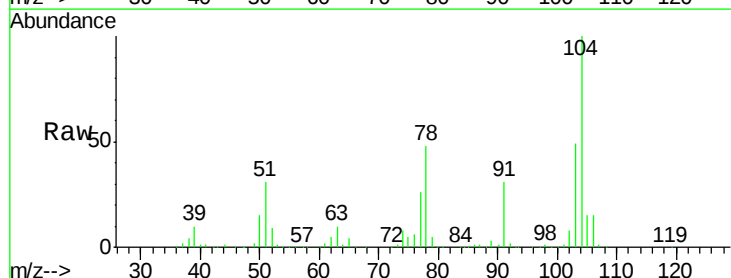
Manual Integrations
APPROVED

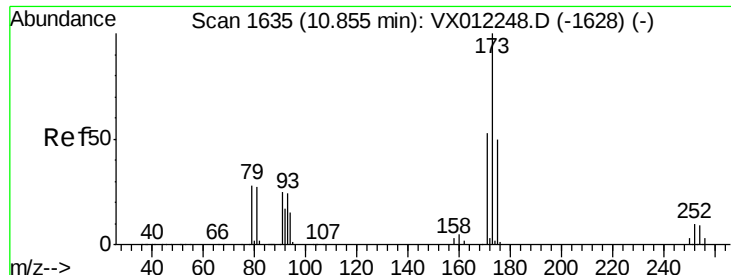
MMDadoda
9/12/2019 9:00:02 AM



#70
Styrene
Concen: 20.265 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion:104 Resp: 94916
Ion Ratio Lower Upper
104 100
78 54.2 44.2 66.2
103 53.6 42.5 63.7





#71

Bromoform

Concen: 19.232 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBSD02

Tot Ion:173 Resp: 15480

Ion Ratio Lower Upper

173 100

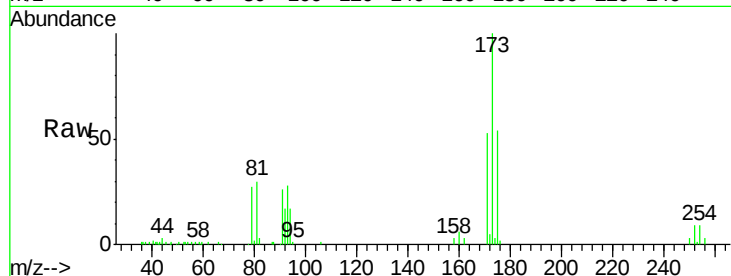
175 52.2 24.5 73.5

254 0.0 0.2 0.4#

Manual Integrations
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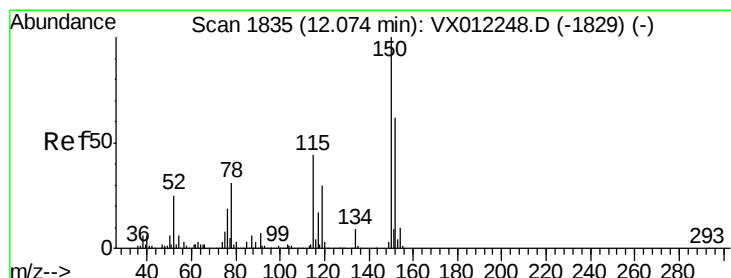
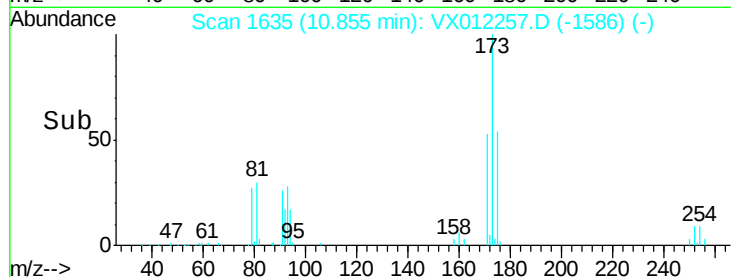
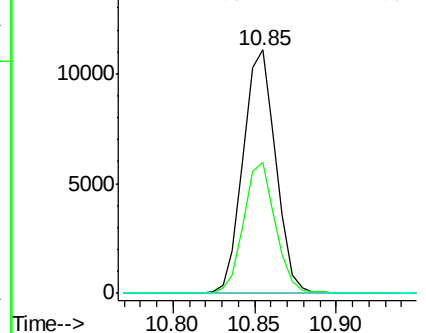
9/12/2019 9:00:02 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

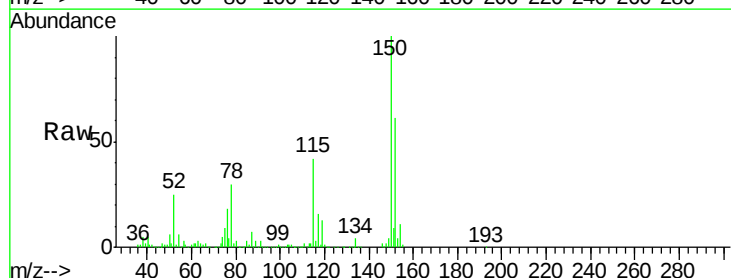
Tgt Ion:152 Resp: 114941

Ion Ratio Lower Upper

152 100

115 75.1 45.5 136.4

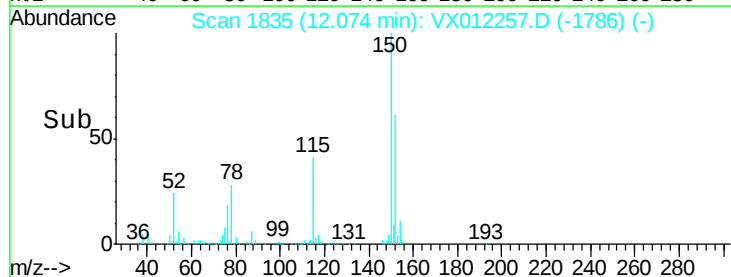
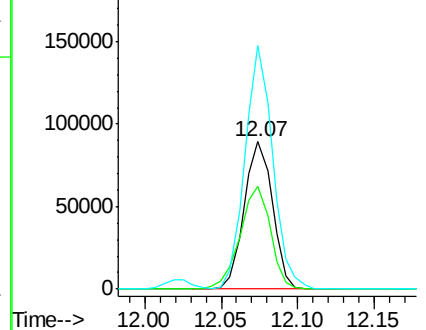
150 160.9 0.0 346.4

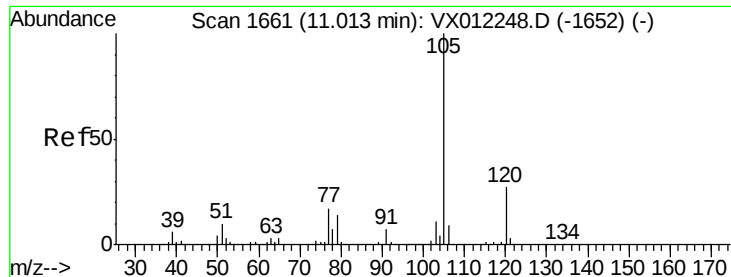


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.198 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 105 Resp: 145265

Ion Ratio Lower Upper

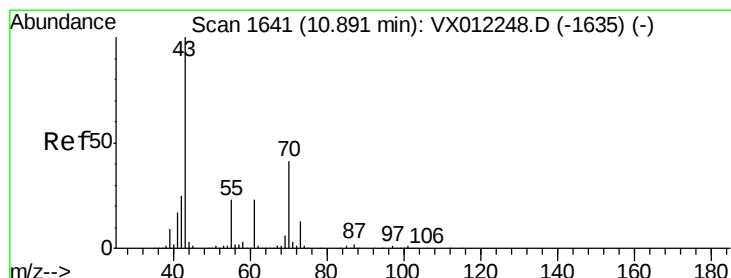
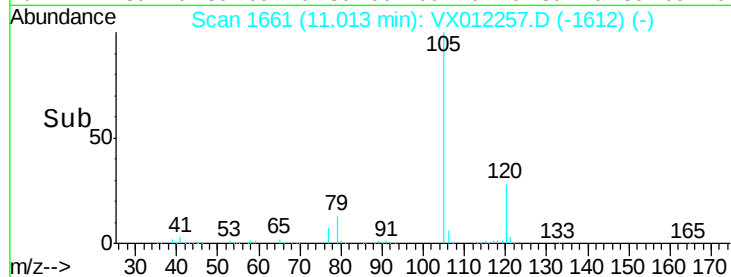
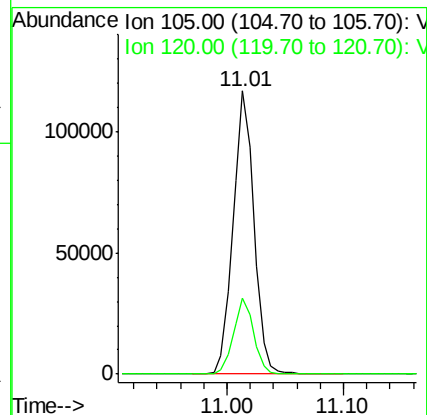
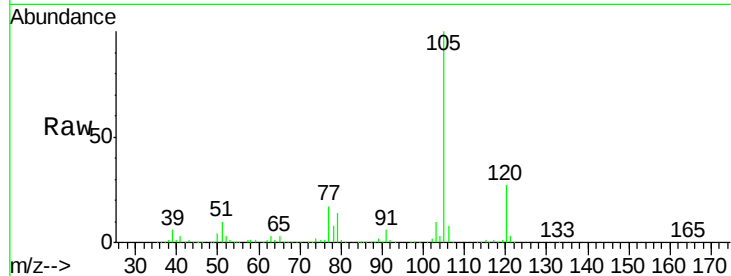
105 100

120 25.8 13.2 39.5

Manual Integrations
APPROVED

MMDadoda

9/12/2019 9:00:02 AM



#74

N-ethyl acetate

Concen: 19.677 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion: 43 Resp: 44272

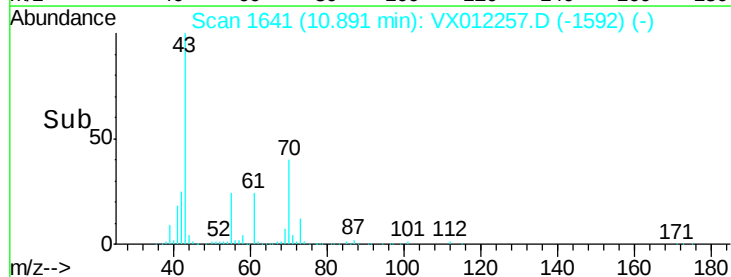
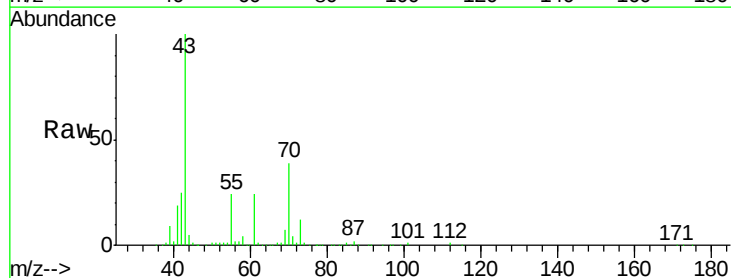
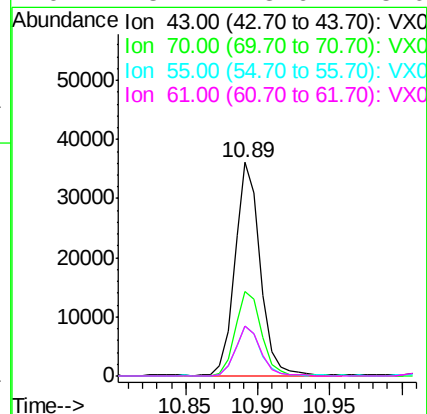
Ion Ratio Lower Upper

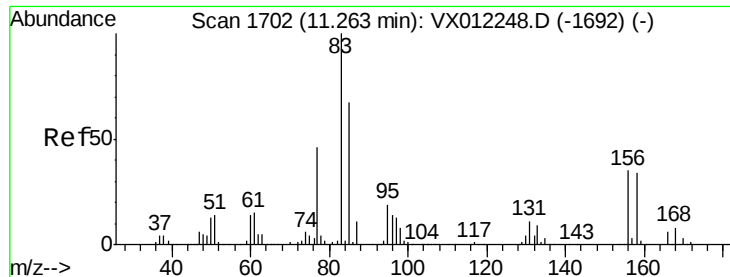
43 100

70 41.7 32.9 49.3

55 22.8 19.1 28.7

61 23.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.509 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

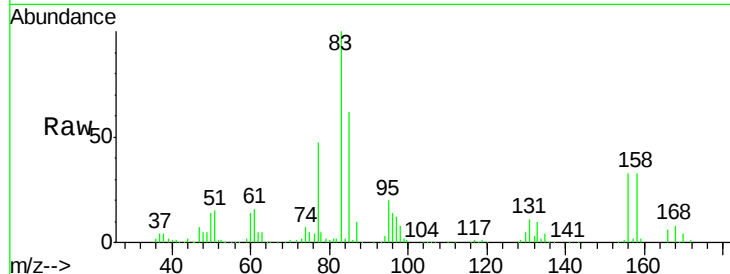
ClientSampleId :

VX0910SBS02

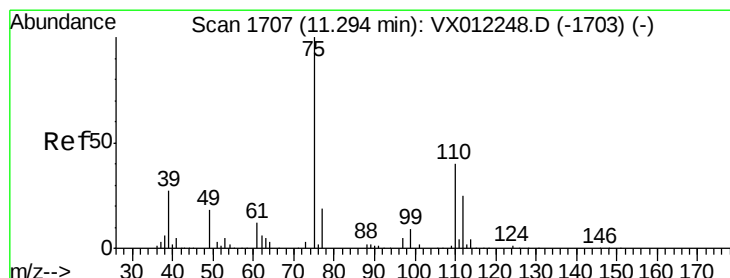
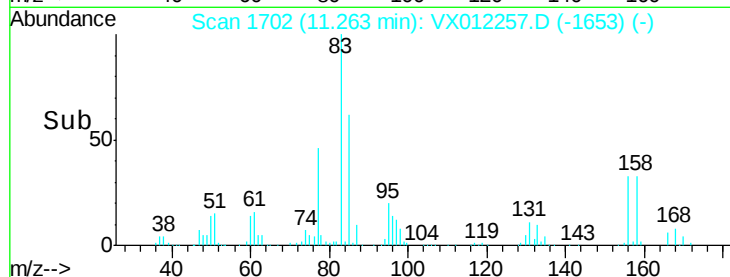
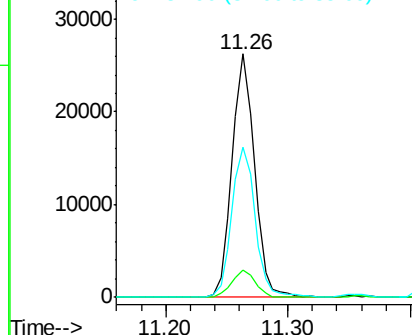
Tot Ion:	83	Resp:	33330
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.5	16.4
85	64.4	32.8	98.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.682 ug/l m

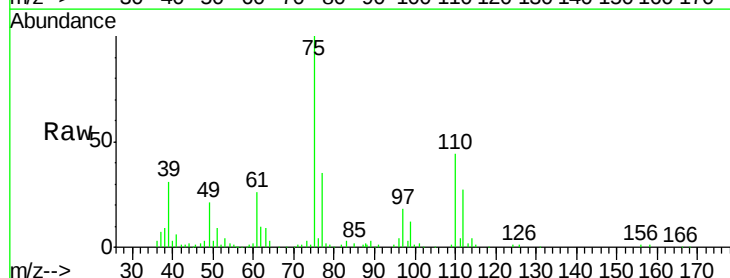
RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

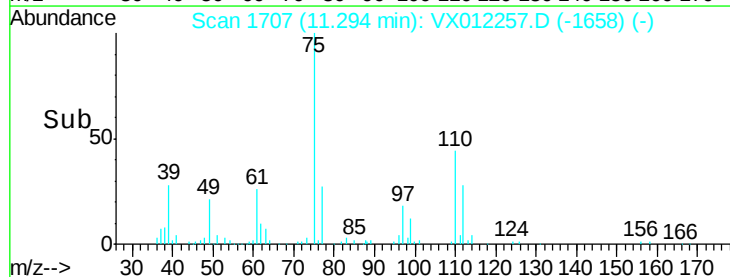
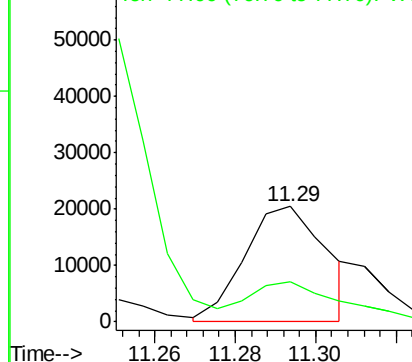
Lab File: VX012257.D

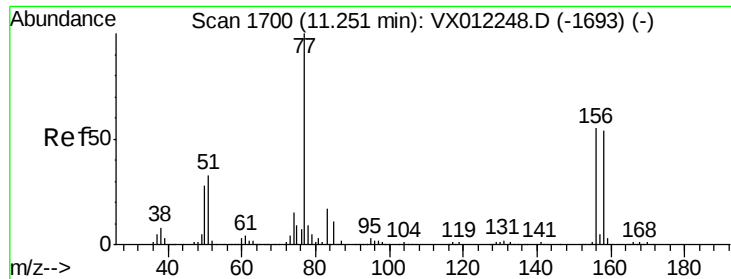
Acq: 10 Sep 2019 15:58

Tgt Ion:	75	Resp:	29062
Ion Ratio	Lower	Upper	
75	100		
77	39.1	19.7	59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.461 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

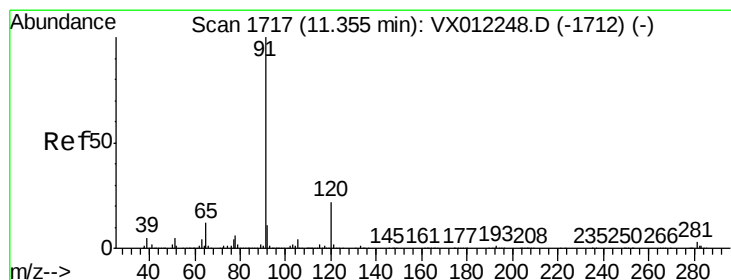
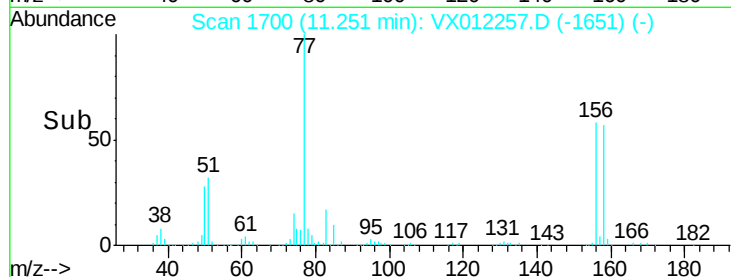
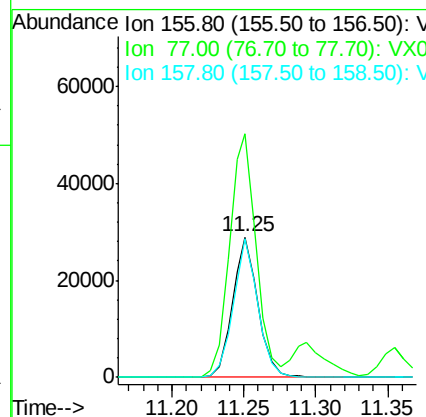
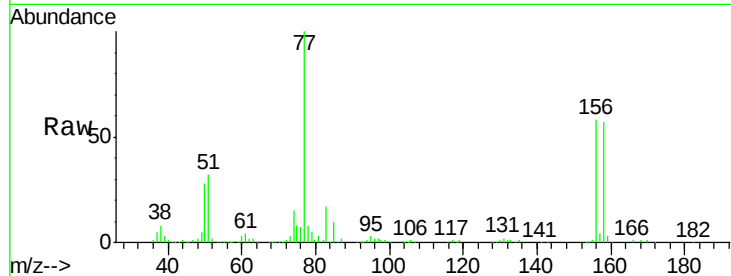
ClientSampleId :

VX0910SBS02

Tot Ion:	156	Resp:	35646
Ion Ratio	Lower	Upper	
156	100		
77	183.2	92.2	276.6
158	95.8	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.572 ug/l

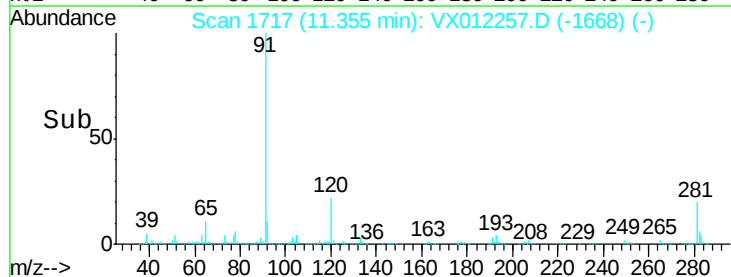
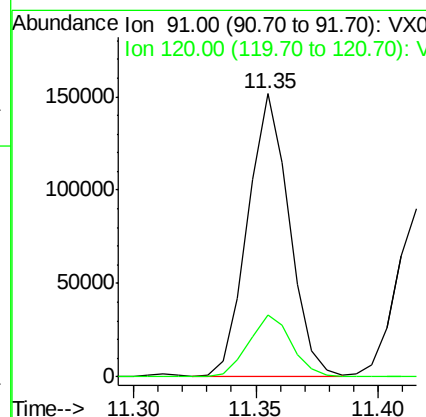
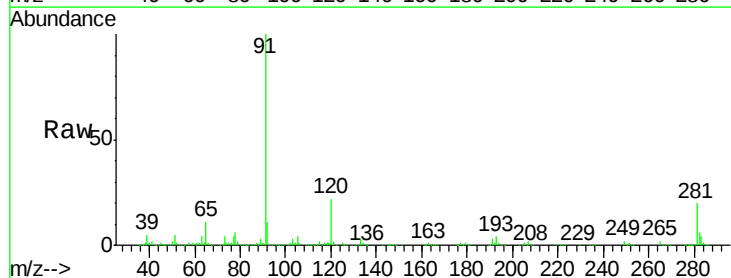
RT: 11.35 min Scan# 1717

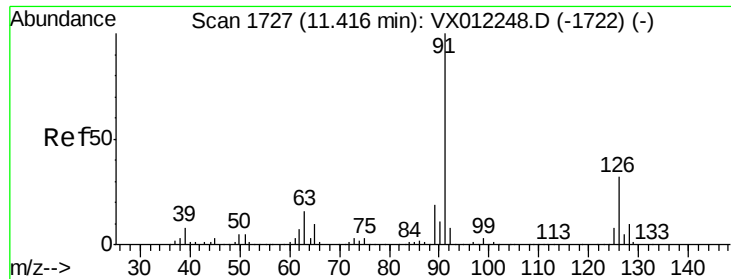
Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	91	Resp:	178842
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.2	33.6





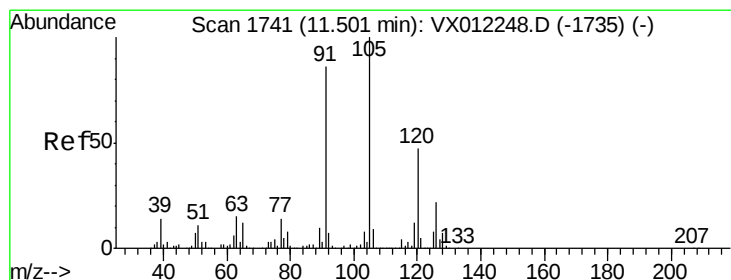
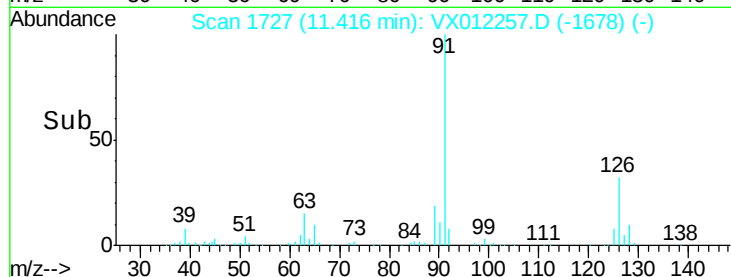
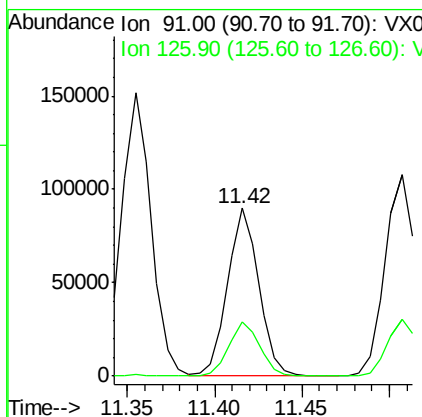
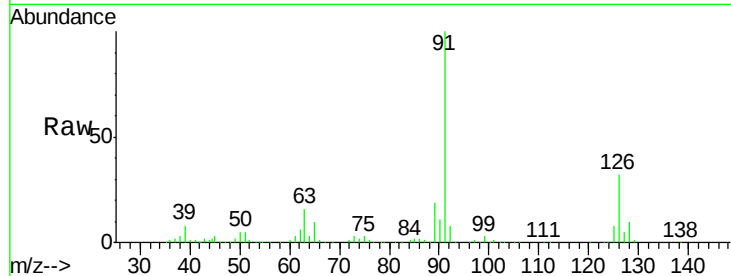
#79
 2-Chlorotoluene
 Concen: 19.587 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.7

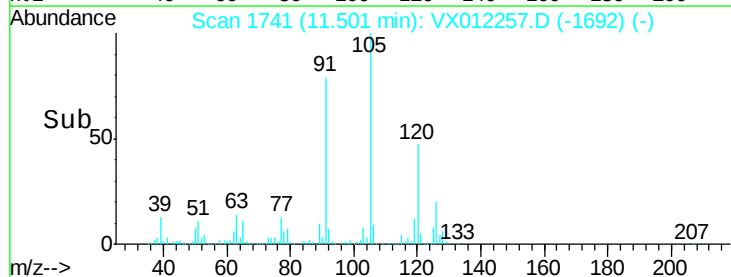
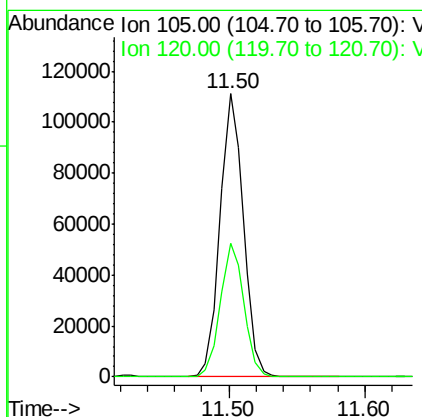
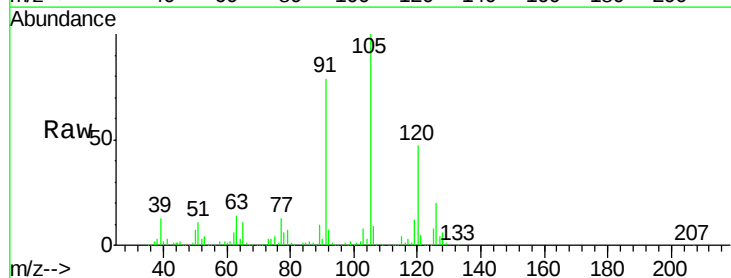
Manual Integrations
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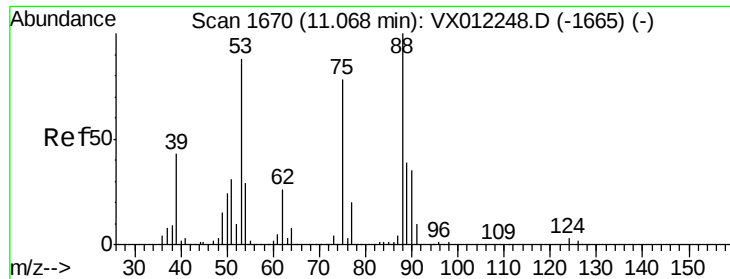
MMDadoda
 9/12/2019 9:00:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.526 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1





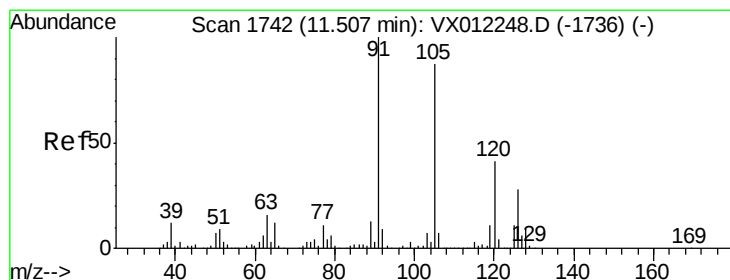
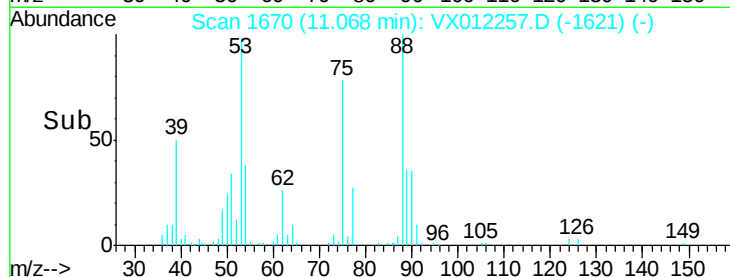
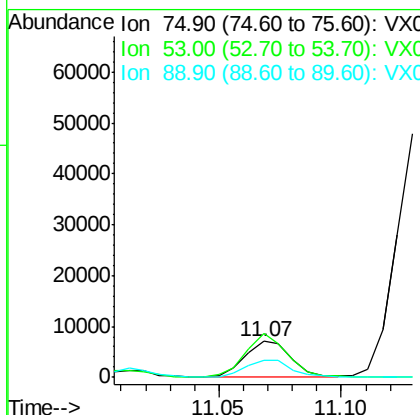
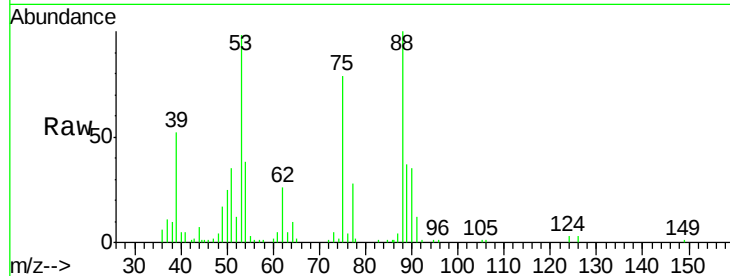
#81
trans-1,4-Dichloro-2-butene
Concen: 18.851 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.6	88.1	132.1
89	48.4	43.5	65.3

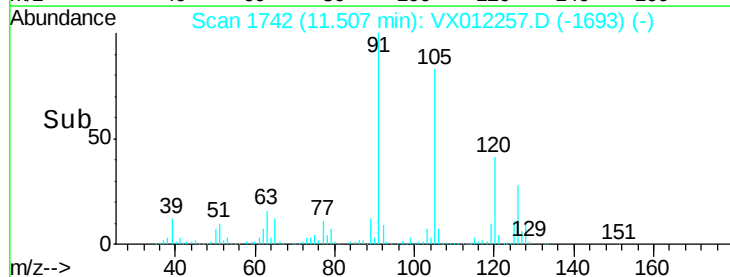
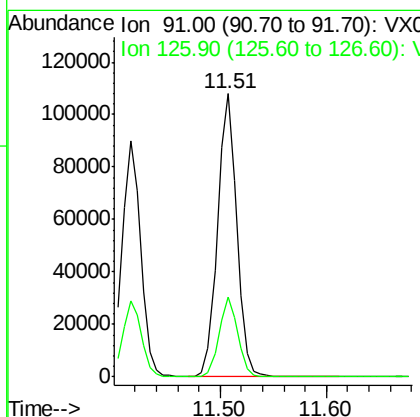
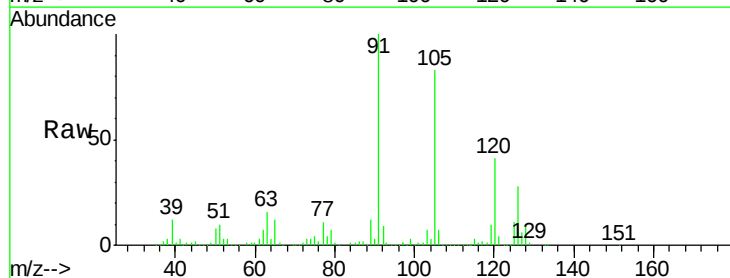
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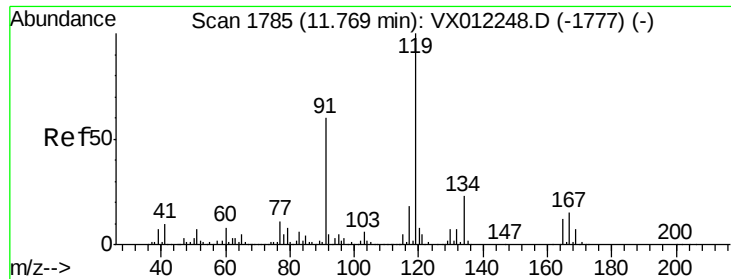
MMDadoda
9/12/2019 9:00:02 AM



#82
4-Chlorotoluene
Concen: 19.785 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.0	42.0





#83

tert-Butylbenzene

Concen: 19.128 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

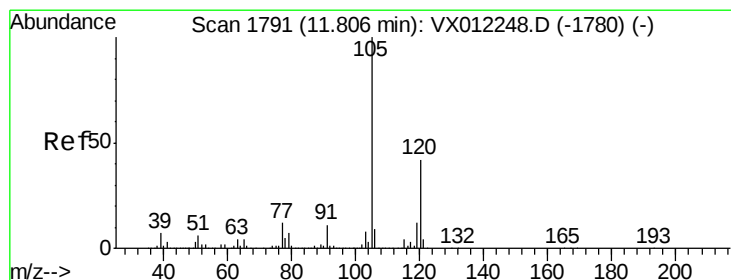
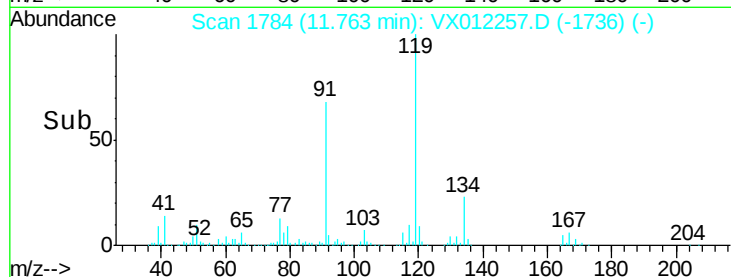
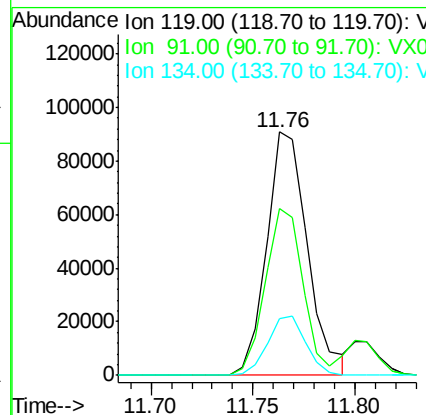
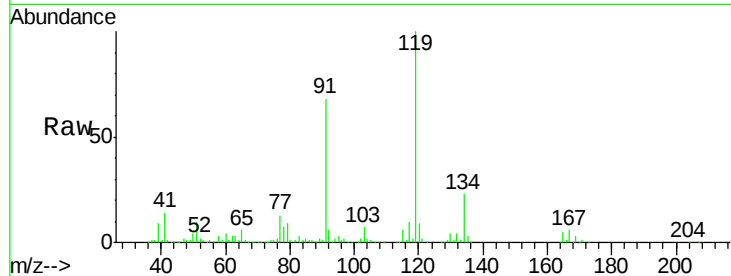
ClientSampleId :

VX0910SBS02

Tot Ion:	119	Resp:	126391
Ion Ratio	Lower	Upper	
119	100		
91	63.6	30.9	92.8
134	22.9	11.2	33.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.621 ug/l

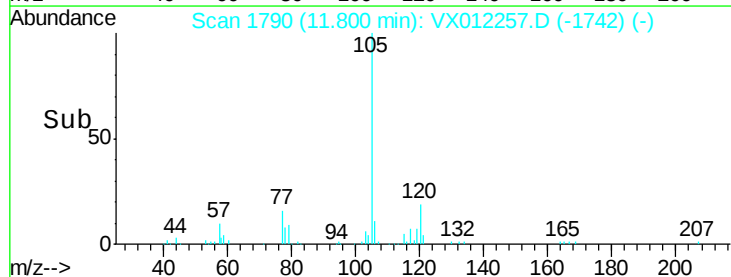
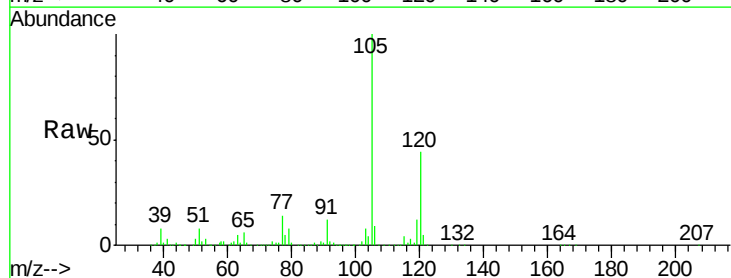
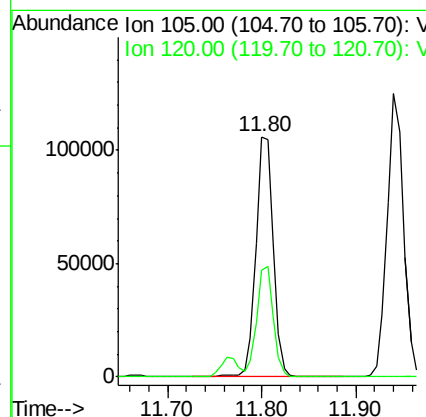
RT: 11.80 min Scan# 1790

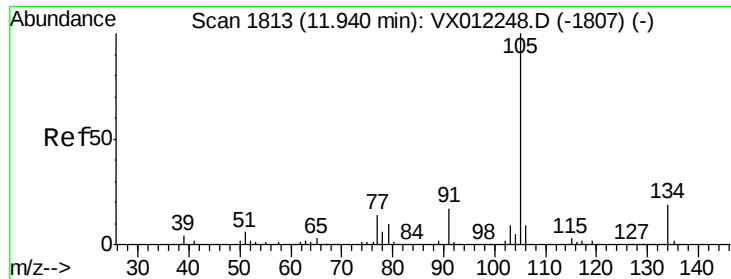
Delta R.T. -0.01 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	105	Resp:	138022
Ion Ratio	Lower	Upper	
105	100		
120	43.5	21.3	63.9





#85

sec-Butylbenzene

Concen: 19.297 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion:105 Resp: 152135

Ion Ratio Lower Upper

105 100

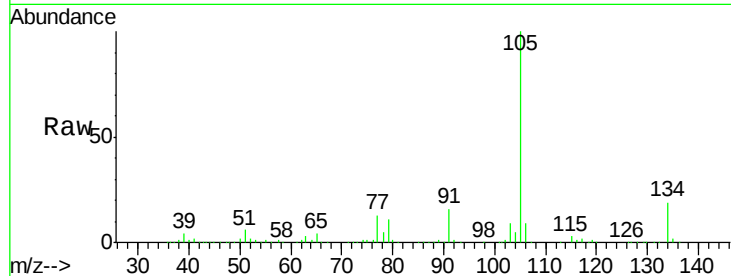
134 19.7 9.9 29.7

Manual Integrations

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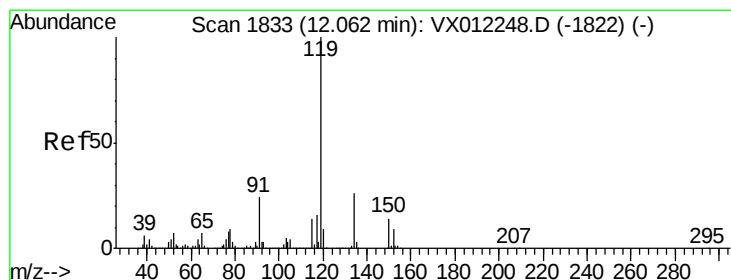
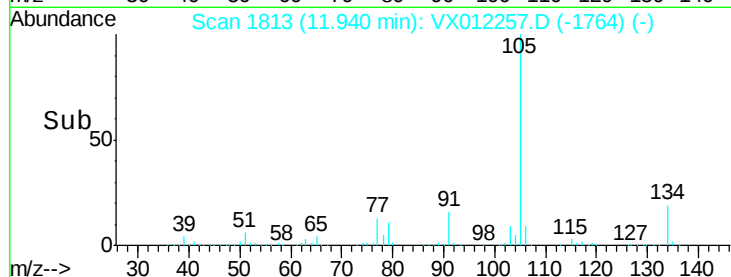
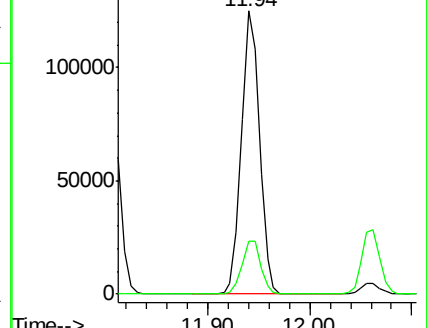
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.577 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

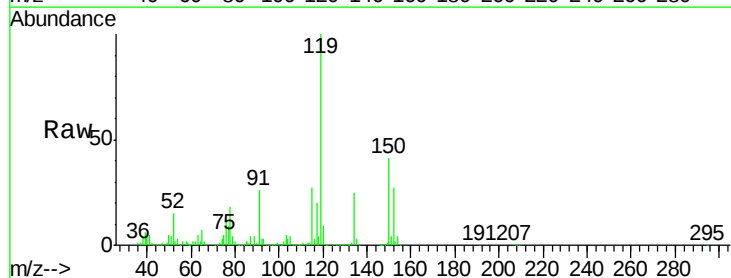
Tgt Ion:119 Resp: 142614

Ion Ratio Lower Upper

119 100

134 24.9 12.9 38.7

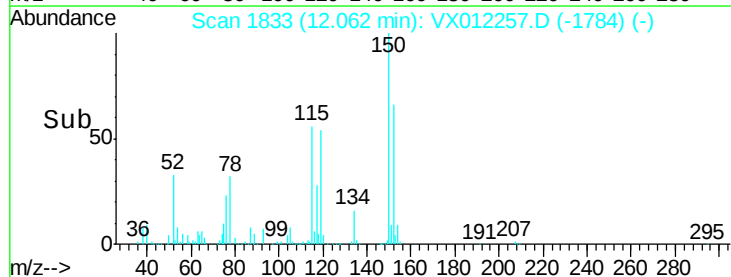
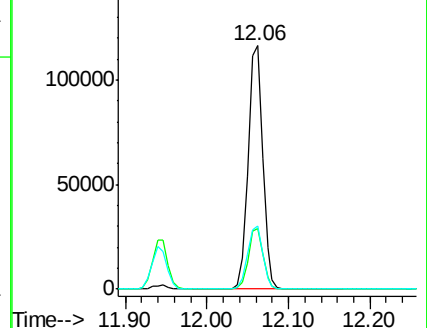
91 26.6 13.1 39.1

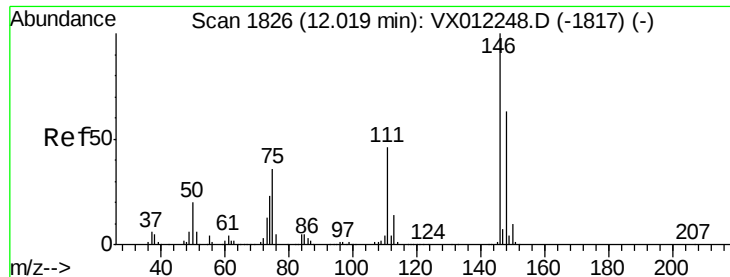


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





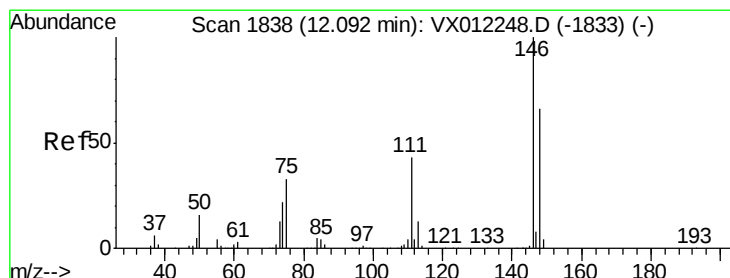
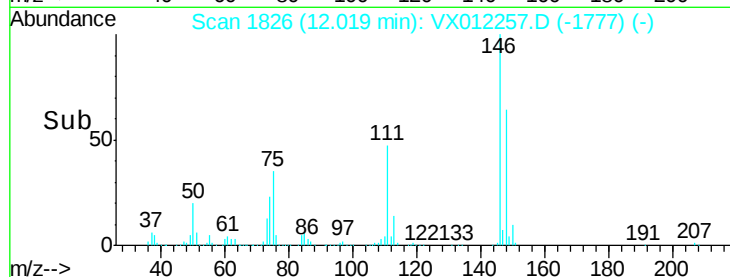
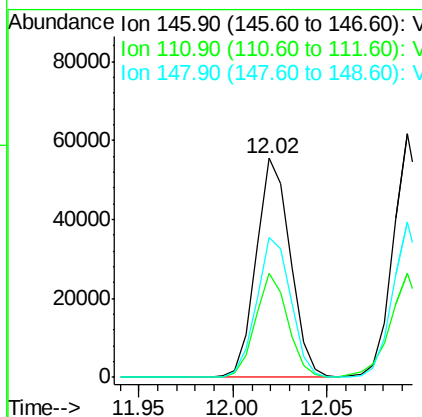
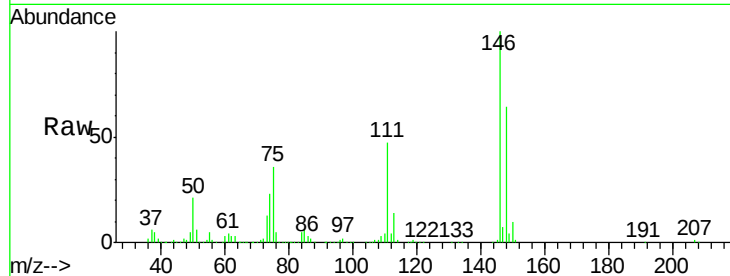
#87
 1,3-Dichlorobenzene
 Concen: 19.623 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.3	66.8
148	64.5	31.5	94.5

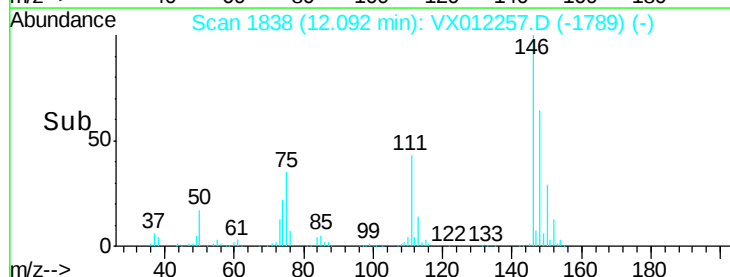
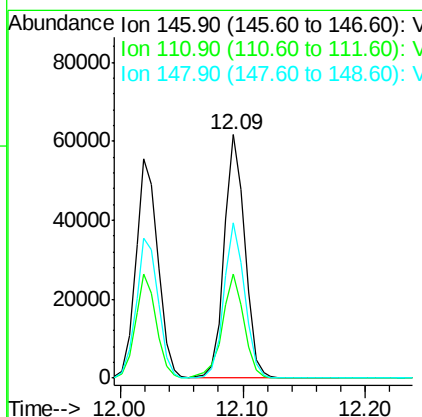
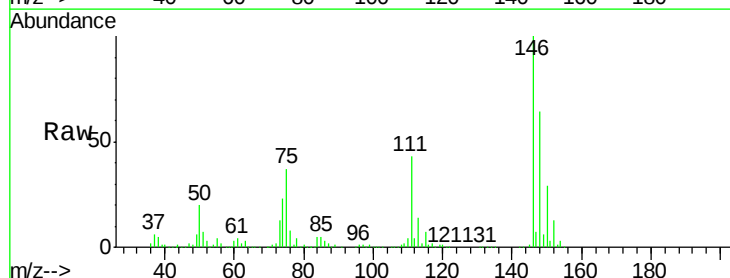
Manual Integrations
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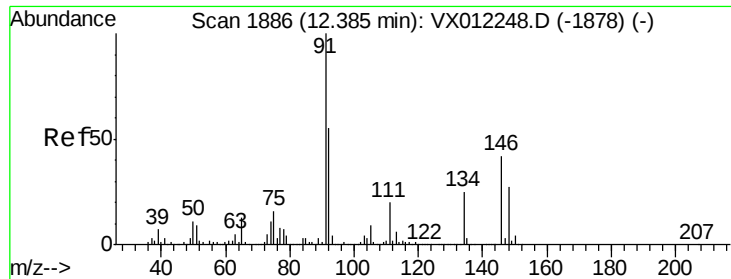
MMDadoda
 9/12/2019 9:00:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.042 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.6	64.8
148	63.8	32.4	97.2





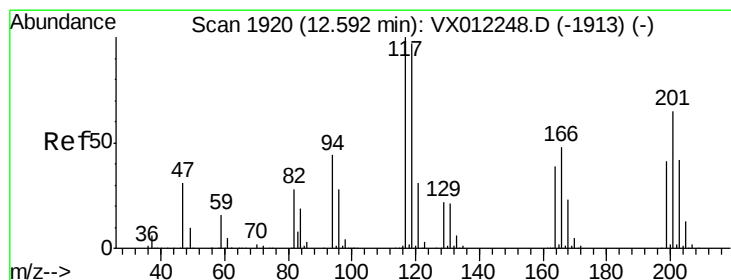
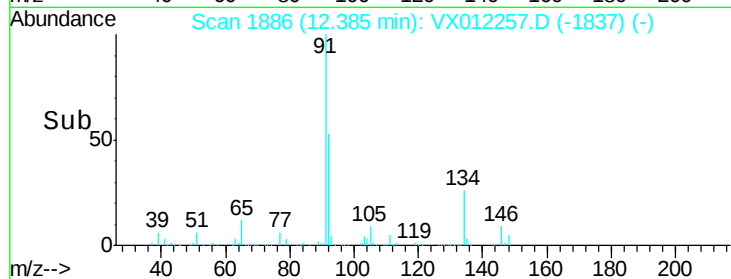
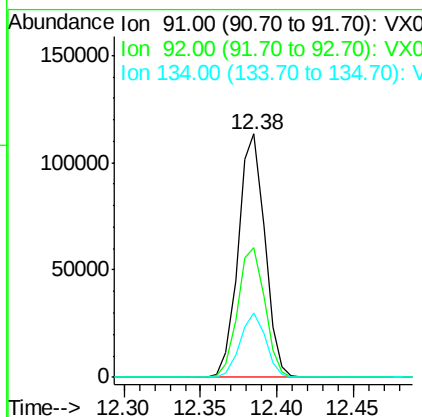
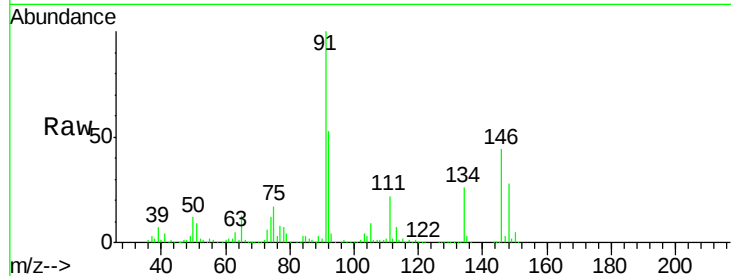
#89
n-Butylbenzene
Concen: 19.129 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.4	12.5	37.5

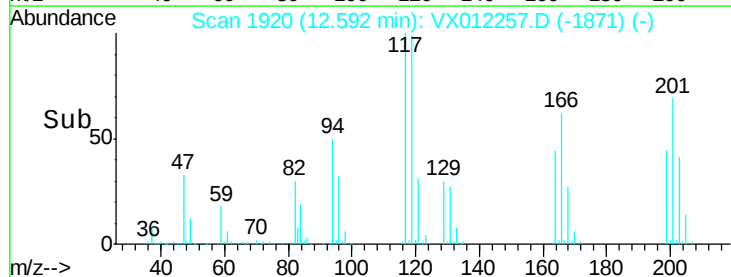
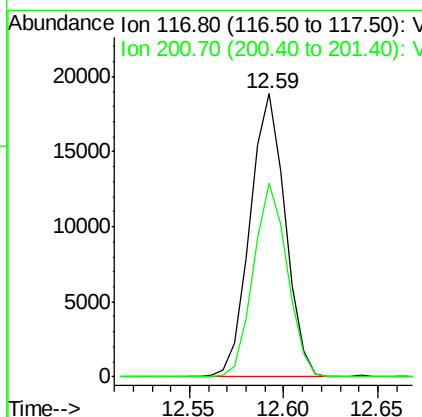
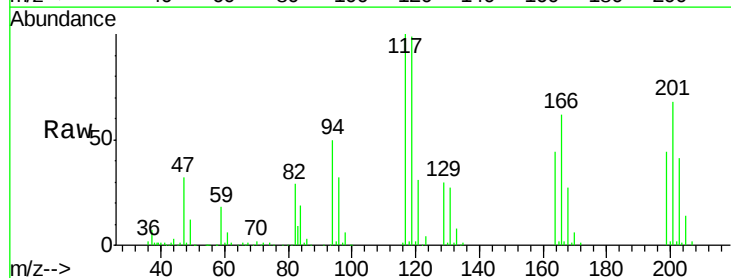
Manual Integrations
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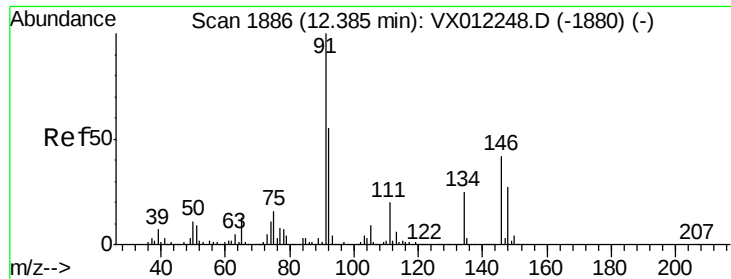
MMDadoda
9/12/2019 9:00:02 AM



#90
Hexachloroethane
Concen: 18.191 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012257.D
Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	32.2	96.6





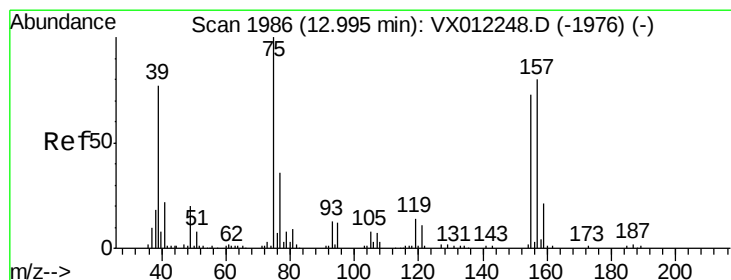
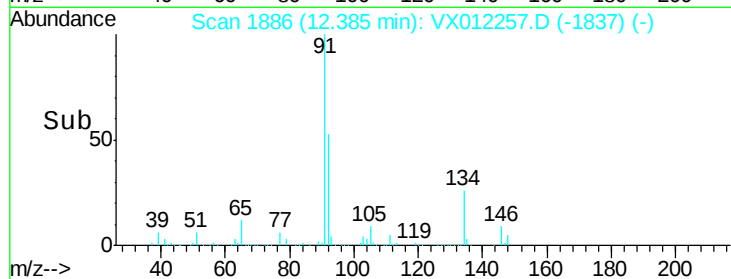
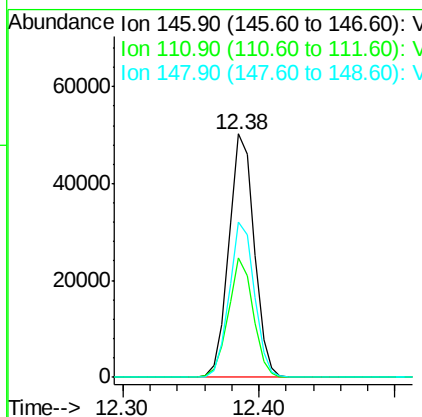
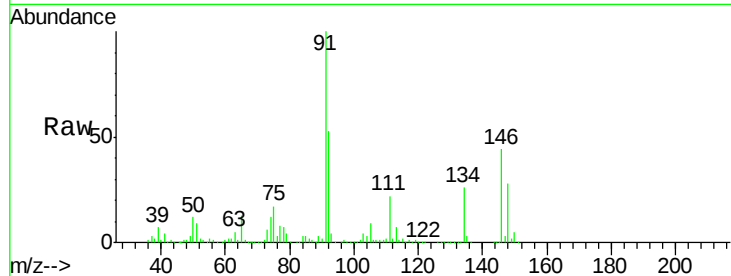
#91
 1,2-Dichlorobenzene
 Concen: 19.841 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.2	69.6
148	63.2	32.4	97.0

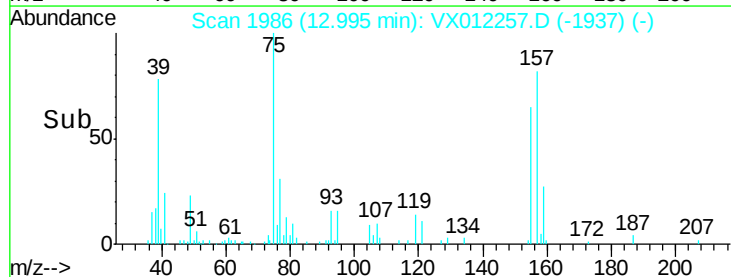
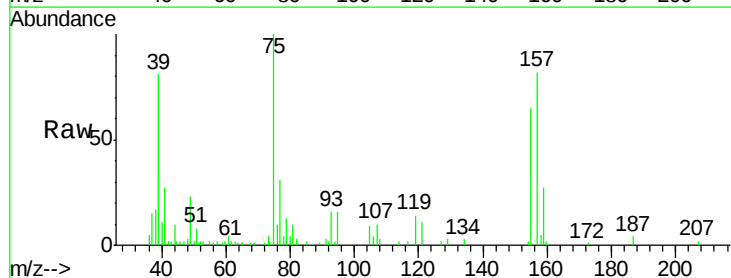
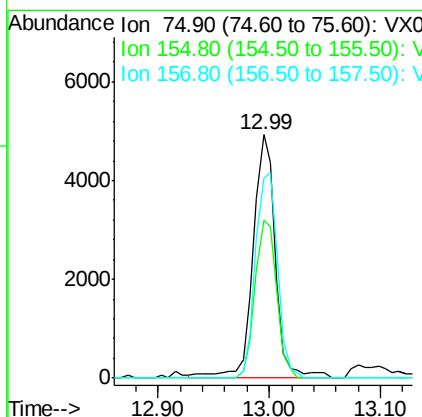
Manual Integrations
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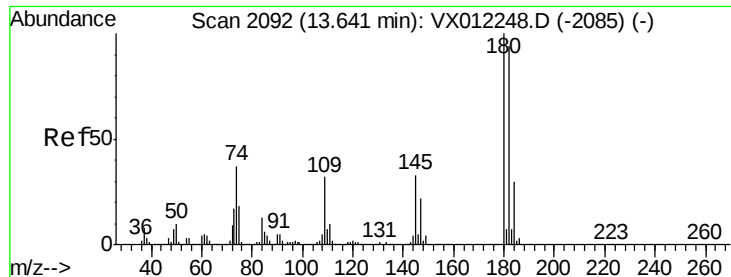
MMDadoda
 9/12/2019 9:00:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.816 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.5	35.3	105.7
157	83.1	43.2	129.6





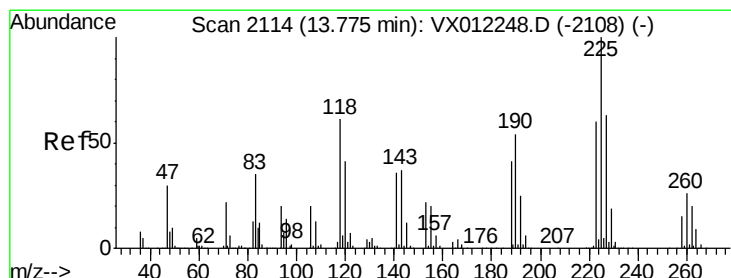
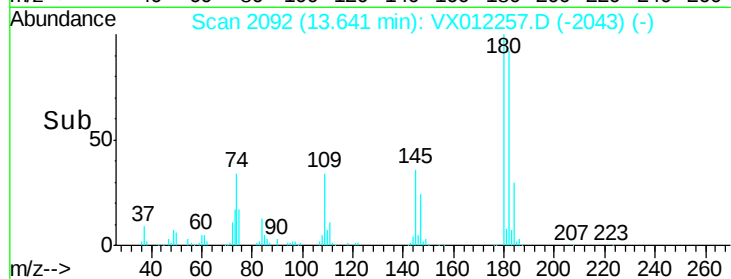
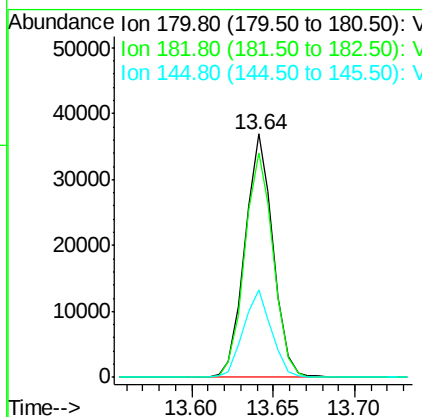
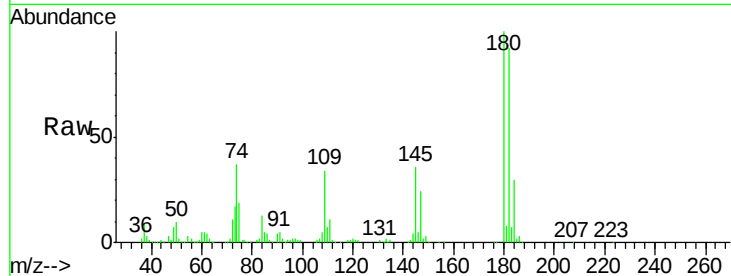
#93
 1,2,4-Trichlorobenzene
 Concen: 19.546 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.8
145	35.6	17.1	51.2

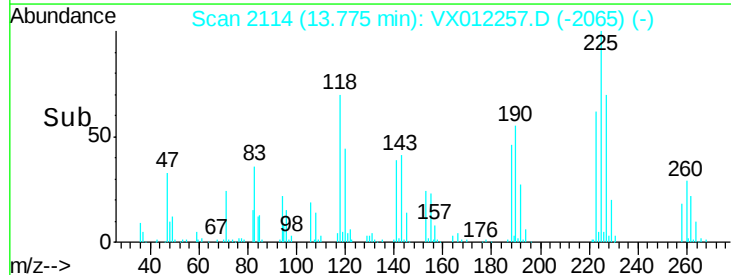
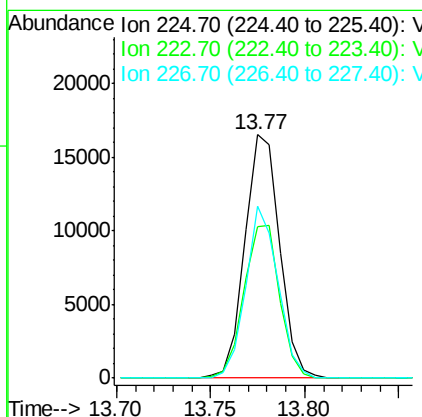
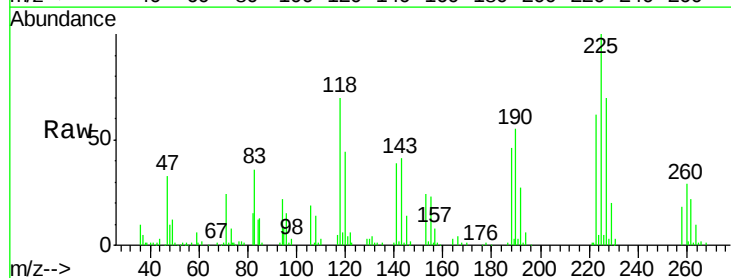
Manual Integrations
 APPROVED

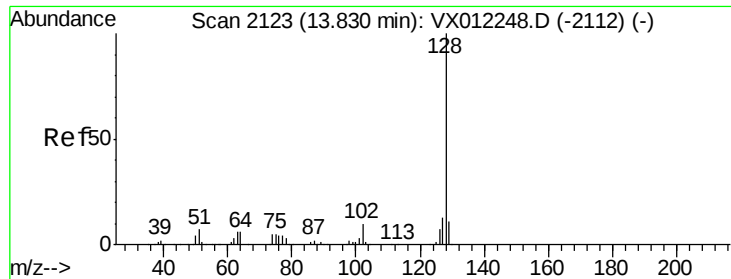
MMDadoda
 9/12/2019 9:00:02 AM



#94
 Hexachlorobutadiene
 Concen: 18.730 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX012257.D
 Acq: 10 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.1	96.5
227	65.2	32.5	97.5





#95

Naphthalene

Concen: 20.354 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Instrument :

MSVOA_X

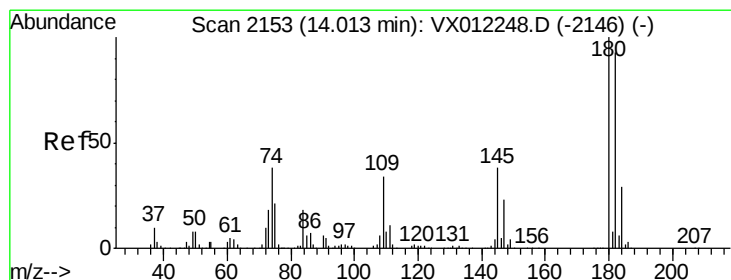
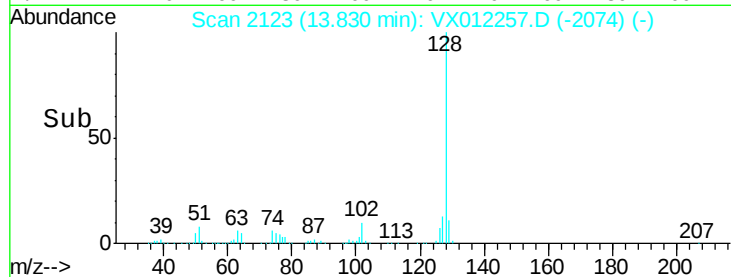
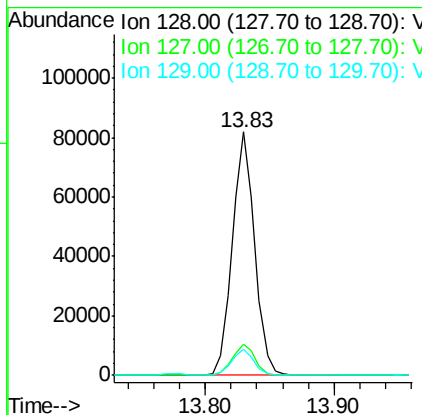
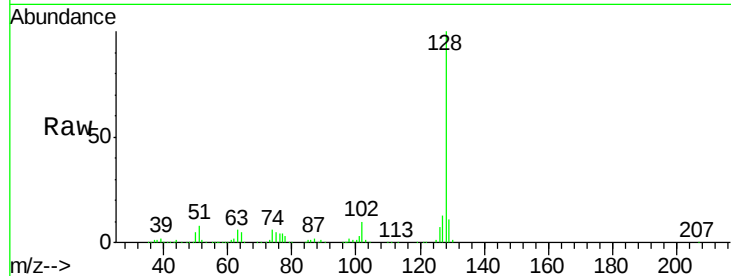
ClientSampleId :

VX0910SBS02

Tot Ion:	128	Resp:	99029
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.232 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012257.D

Acq: 10 Sep 2019 15:58

Tgt Ion:	180	Resp:	40583
Ion Ratio	Lower	Upper	
180	100		
182	92.7	47.0	141.0
145	36.3	18.6	55.8

