

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012246.D
 Acq On : 10 Sep 2019 09:34
 Operator : SY/SP
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:23 AM

Quant Time: Sep 10 11:55:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	22061	9.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.34%	
35) Dibromofluoromethane	5.48	113	19019	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	
50) Toluene-d8	8.71	98	59690	8.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.74%	
62) 4-Bromofluorobenzene	11.14	95	31597	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	13835	10.708	ug/l	98
3) Chloromethane	1.31	50	11827	9.498	ug/l	96
4) Vinyl Chloride	1.39	62	11714	9.823	ug/l	96
5) Bromomethane	1.62	94	6431	14.875	ug/l	93
6) Chloroethane	1.71	64	7692	10.275	ug/l	99
7) Trichlorofluoromethane	1.92	101	21685	10.690	ug/l	97
8) Diethyl Ether	2.17	74	7064	7.836	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	15016	9.937	ug/l	99
10) Methyl Iodide	2.50	142	11633	7.839	ug/l	100
11) Tert butyl alcohol	3.03	59	11928m	53.304	ug/l	
12) 1,1-Dichloroethene	2.36	96	12703	9.981	ug/l	93
13) Acrolein	2.28	56	5655	41.684	ug/l	97
14) Allyl chloride	2.72	41	23148	8.813	ug/l	97
15) Acrylonitrile	3.13	53	20945	42.041	ug/l	98
16) Acetone	2.43	43	27424	53.913	ug/l	94
17) Carbon Disulfide	2.55	76	25185	9.615	ug/l	97
18) Methyl Acetate	2.76	43	10658	8.246	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	45632	8.716	ug/l	96
20) Methylene Chloride	2.84	84	19515	9.143	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	14235	9.240	ug/l	95
22) Diisopropyl ether	3.84	45	54104	8.835	ug/l #	87
23) Vinyl Acetate	3.80	43	160512	42.934	ug/l	98
24) 1,1-Dichloroethane	3.69	63	29273	8.955	ug/l	99
25) 2-Butanone	4.66	43	33102	47.466	ug/l	94
26) 2,2-Dichloropropane	4.57	77	28039	9.249	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	18030	8.883	ug/l	99
28) Bromochloromethane	5.00	49	13658	9.110	ug/l	98
29) Tetrahydrofuran	5.11	42	16801	39.723	ug/l	95
30) Chloroform	5.19	83	33753	9.025	ug/l	93
31) Cyclohexane	5.56	56	20946	9.528	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	29354	9.476	ug/l	98
36) 1,1-Dichloropropene	5.78	75	21309	9.642	ug/l	98
37) Ethyl Acetate	4.83	43	11476	7.861	ug/l #	90
38) Carbon Tetrachloride	5.76	117	24284	9.594	ug/l	86

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	23127	9.944	ug/l	98
40) Benzene	6.13	78	62236	9.282	ug/l	93
41) Methacrylonitrile	5.03	41	7471	8.291	ug/l	96
42) 1,2-Dichloroethane	6.19	62	24397	9.004	ug/l	98
43) Isopropyl Acetate	6.44	43	25009	8.275	ug/l	98
44) Trichloroethene	7.20	130	17029	9.417	ug/l	99
45) 1,2-Dichloropropane	7.50	63	16863	8.910	ug/l	92
46) Dibromomethane	7.66	93	9099	8.453	ug/l	97
47) Bromodichloromethane	7.89	83	23703	8.227	ug/l	96
48) Methyl methacrylate	7.76	41	12072	8.312	ug/l	99
49) 1,4-Dioxane	7.74	88	3110	152.571	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	65921	41.922	ug/l	100
52) Toluene	8.78	92	41621	9.345	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	23715	8.256	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	27547	8.790	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	14138	8.654	ug/l	97
56) Ethyl methacrylate	9.17	69	18324	8.023	ug/l	99
57) 1,3-Dichloropropane	9.37	76	23935	8.571	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	48825	45.017	ug/l	98
59) 2-Hexanone	9.49	43	44602	39.923	ug/l	99
60) Dibromochloromethane	9.57	129	15032	7.758	ug/l	94
61) 1,2-Dibromoethane	9.67	107	12878	8.454	ug/l	98
64) Tetrachloroethene	9.33	164	13608	9.175	ug/l	98
65) Chlorobenzene	10.14	112	46447	8.726	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	16938	8.311	ug/l	99
67) Ethyl Benzene	10.25	91	83520	8.946	ug/l	99
68) m/p-Xylenes	10.36	106	61046	17.729	ug/l	98
69) o-Xylene	10.70	106	29983	8.925	ug/l	100
70) Styrene	10.71	104	50220	8.313	ug/l	97
71) Bromoform	10.85	173	8355	7.862	ug/l #	99
73) Isopropylbenzene	11.01	105	83649	9.275	ug/l	99
74) N-amyl acetate	10.89	43	22108	7.661	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	17110	8.441	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	14857m	8.451	ug/l	
77) Bromobenzene	11.25	156	18991	8.810	ug/l	98
78) n-propylbenzene	11.35	91	98672	9.091	ug/l	98
79) 2-Chlorotoluene	11.42	91	62056	9.160	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	73753	9.035	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	4693	7.372	ug/l	94
82) 4-Chlorotoluene	11.51	91	73711	8.888	ug/l	98
83) tert-Butylbenzene	11.76	119	73005	9.224	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	74537	8.829	ug/l	99
85) sec-Butylbenzene	11.94	105	86433	9.291	ug/l	99
86) p-Isopropyltoluene	12.06	119	78737	9.129	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	38020	8.894	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	38381	8.953	ug/l	95
89) n-Butylbenzene	12.39	91	76074	9.194	ug/l	99
90) Hexachloroethane	12.59	117	13550	8.566	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	34021	8.505	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3343	8.320	ug/l	94

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ClientSampleId :
VSTDICC010

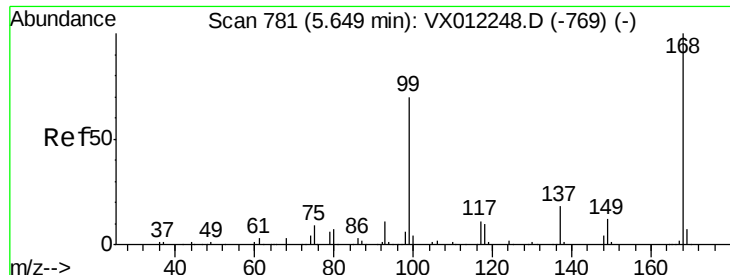
Manual Integrations
APPROVED

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9/12/2019 9:00:23 AM

Quant Time: Sep 10 11:55:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	23146	8.750	ug/l	99
94) Hexachlorobutadiene	13.78	225	11649	9.103	ug/l	99
95) Naphthalene	13.83	128	47024	8.096	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	19617	8.481	ug/l	95

(#) = 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: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 161615

Ion Ratio Lower Upper

168 100

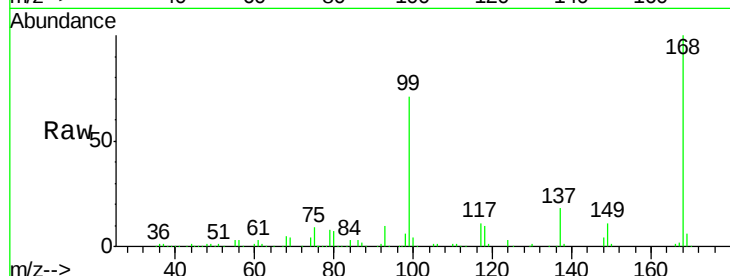
99 70.5 55.8 83.6

Manual Integrations

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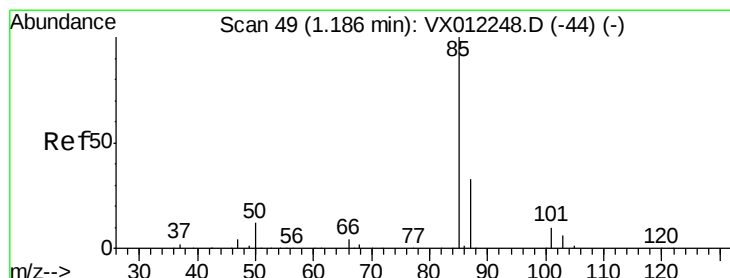
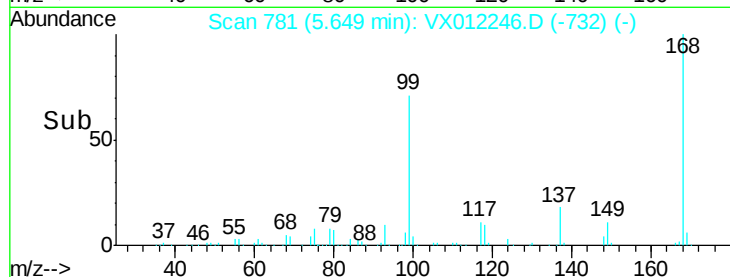
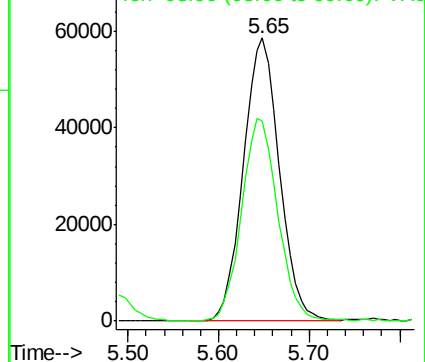
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 10.708 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012246.D

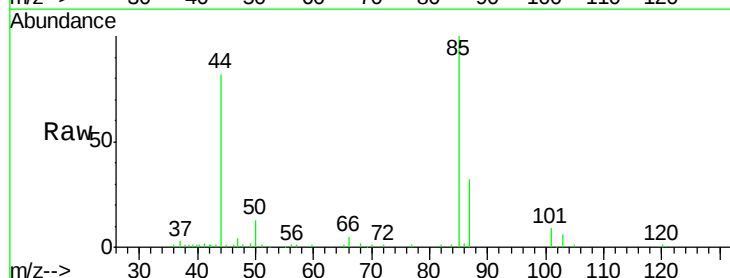
Acq: 10 Sep 2019 09:34

Tgt Ion: 85 Resp: 13835

Ion Ratio Lower Upper

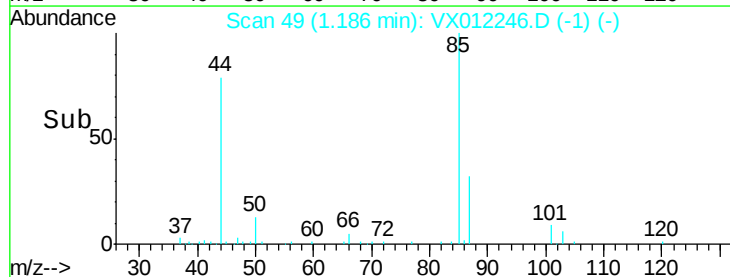
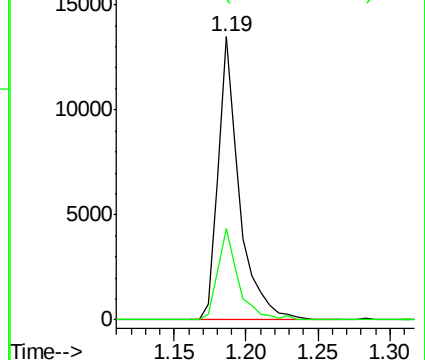
85 100

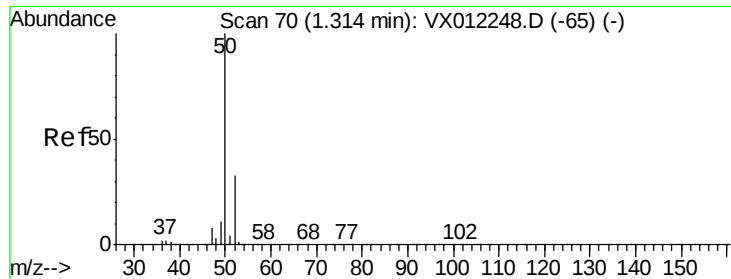
87 32.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 9.498 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 11827

Ion Ratio Lower Upper

50 100

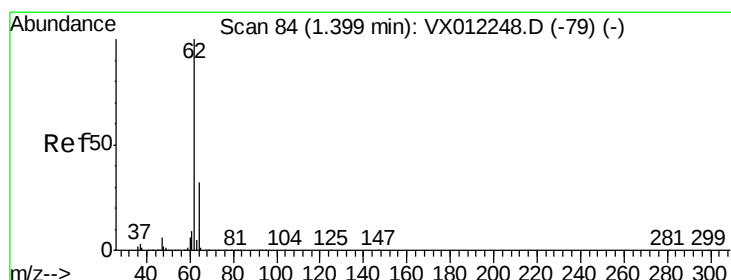
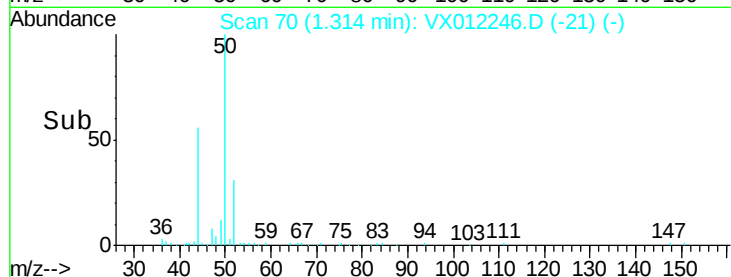
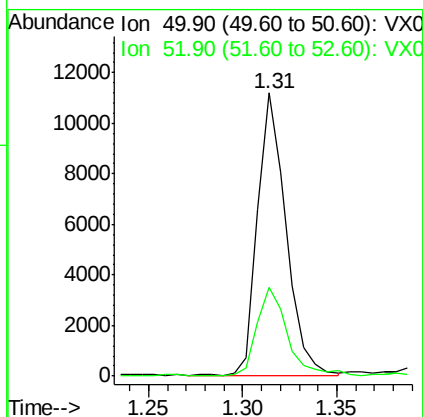
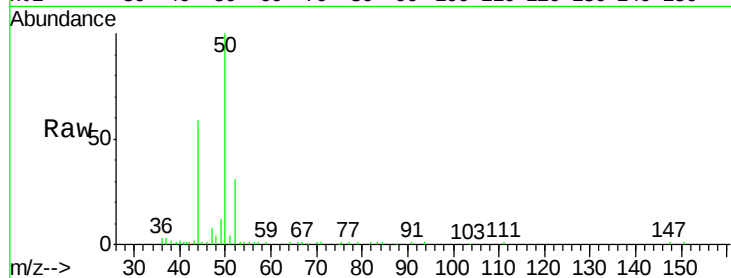
52 31.2 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.823 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012246.D

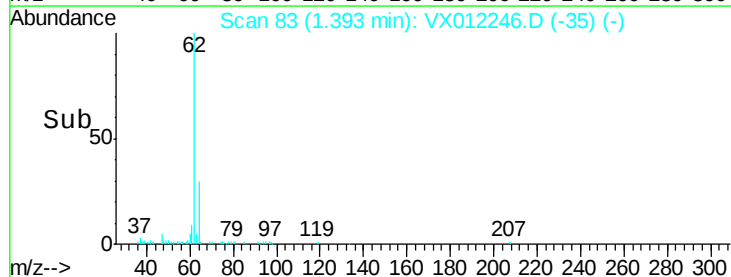
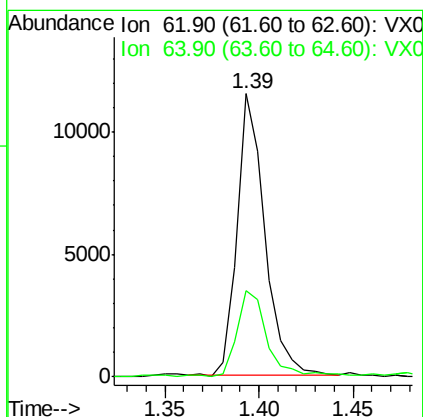
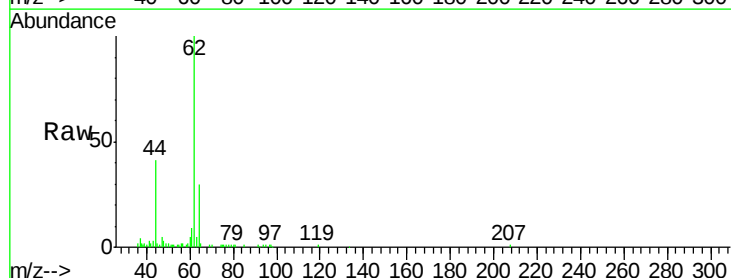
Acq: 10 Sep 2019 09:34

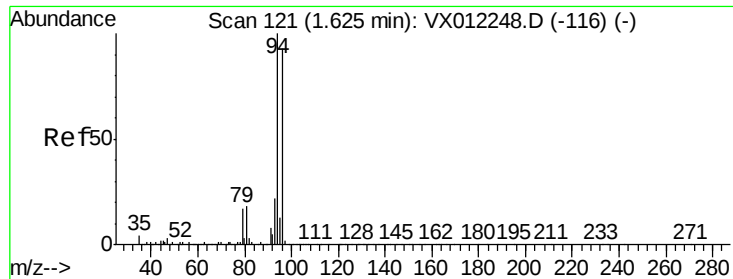
Tgt Ion: 62 Resp: 11714

Ion Ratio Lower Upper

62 100

64 29.8 25.5 38.3





#5

Bromomethane

Concen: 14.875 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 6431

Ion Ratio Lower Upper

94 100

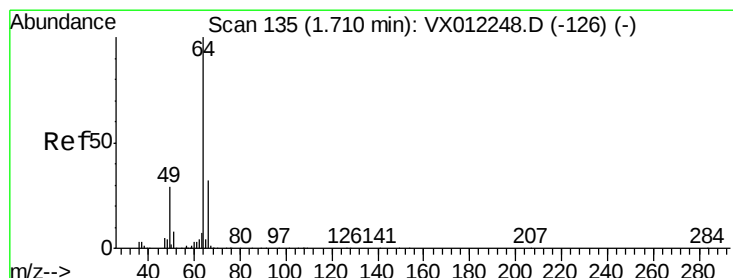
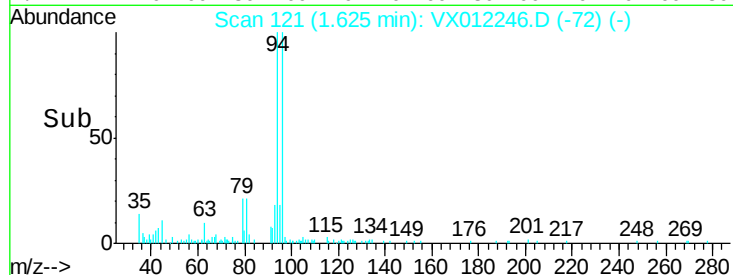
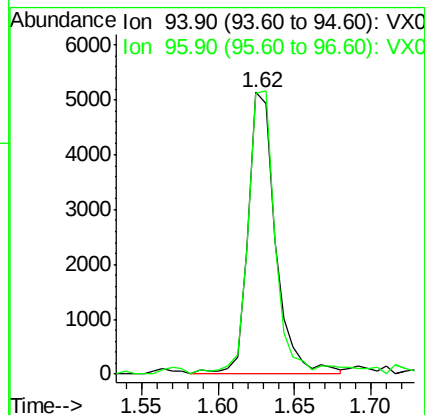
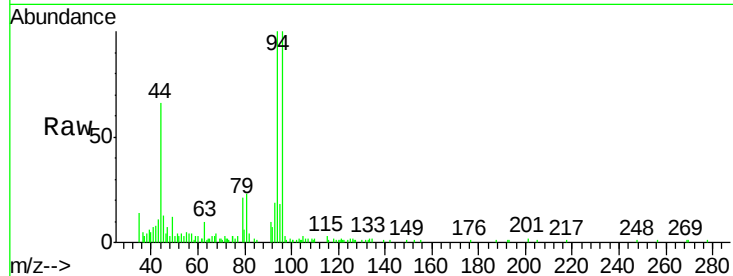
96 99.5 74.0 111.0

Manual Integrations

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9/12/2019 9:00:23 AM



#6

Chloroethane

Concen: 10.275 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012246.D

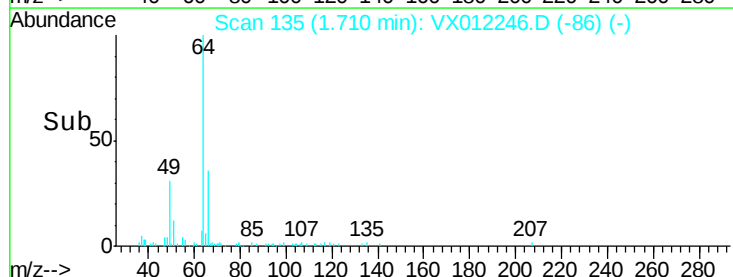
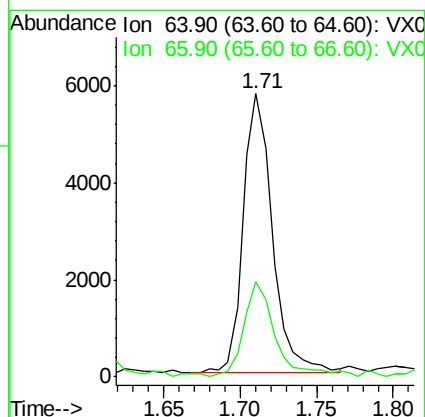
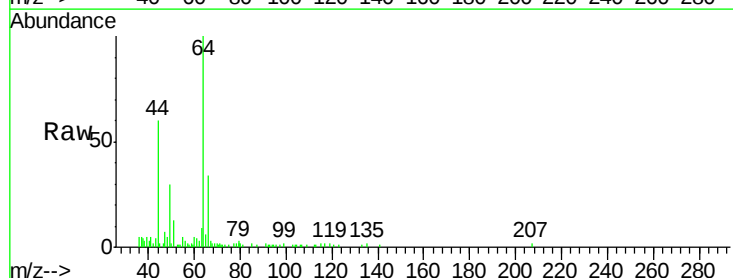
Acq: 10 Sep 2019 09:34

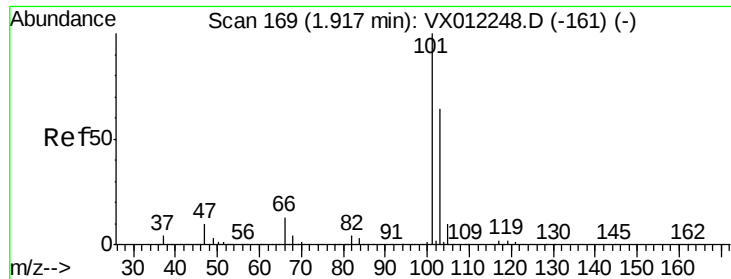
Tgt Ion: 64 Resp: 7692

Ion Ratio Lower Upper

64 100

66 33.0 25.8 38.6





#7

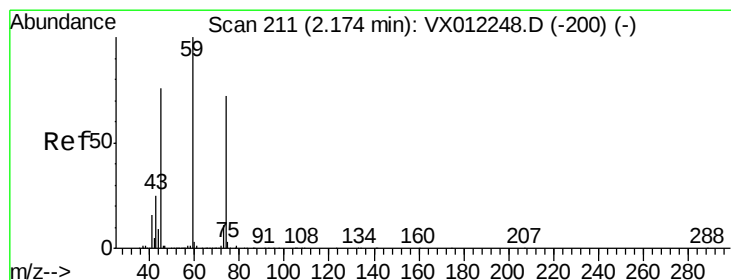
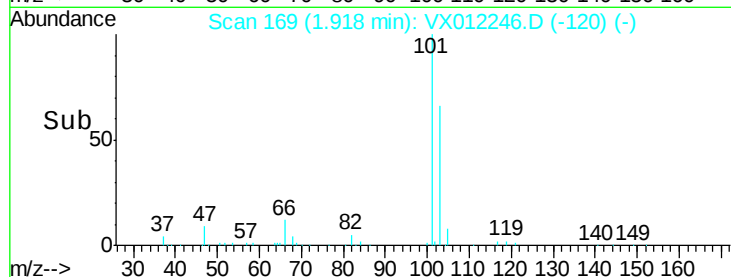
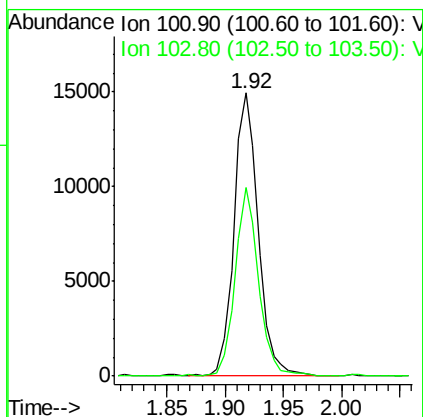
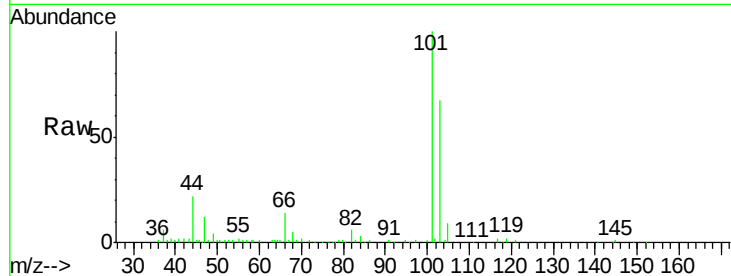
Trichlorofluoromethane
Concen: 10.690 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

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ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	51.4	77.2

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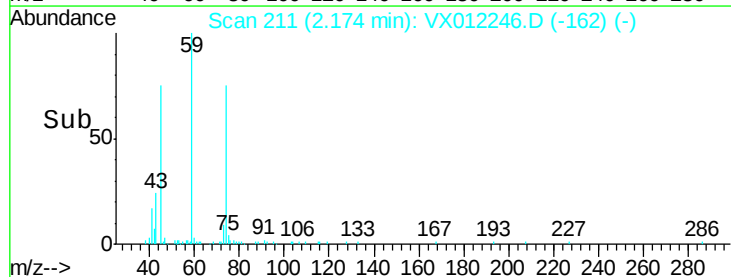
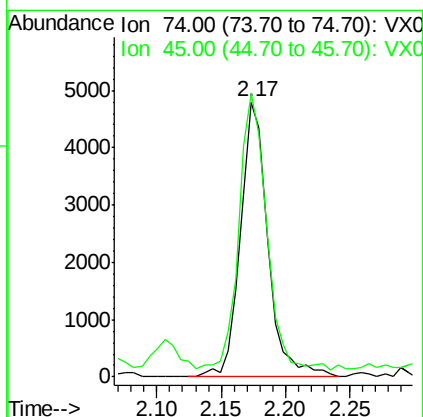
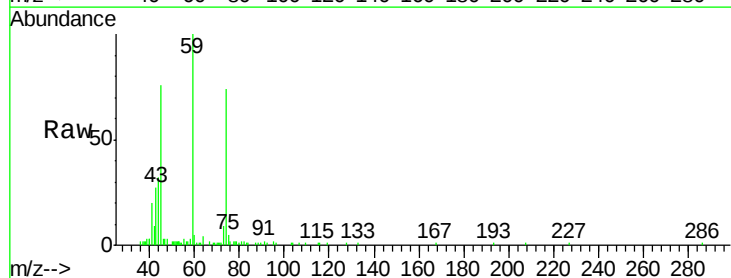
MMDadoda
9/12/2019 9:00:23 AM

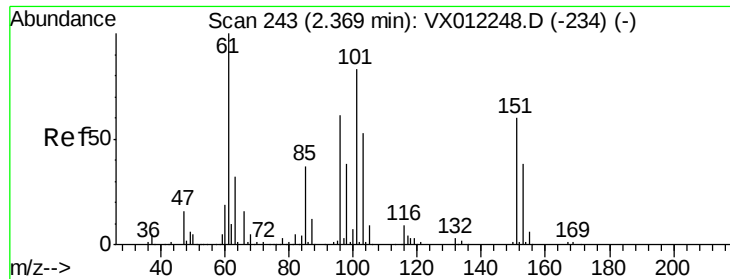


#8

Diethyl Ether
Concen: 7.836 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.937 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

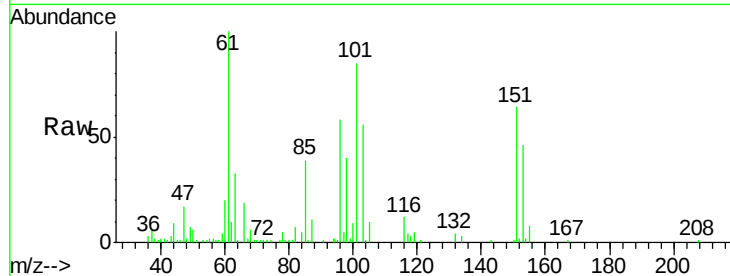
ClientSampleId :

VSTDIC010

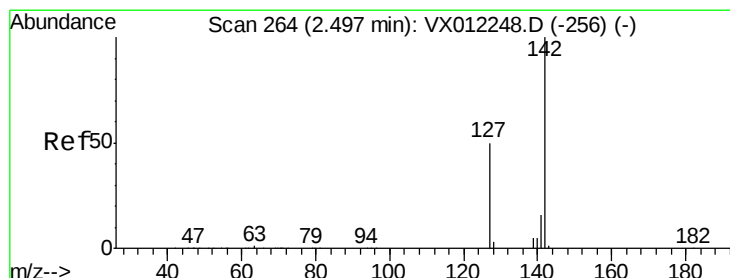
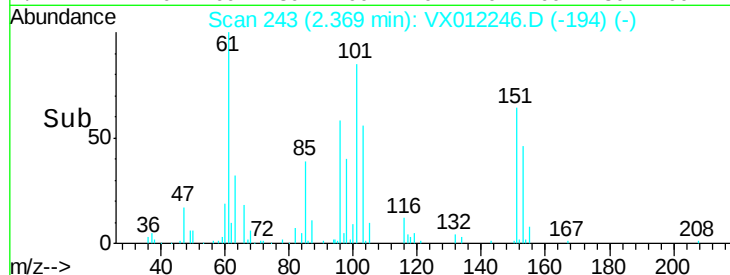
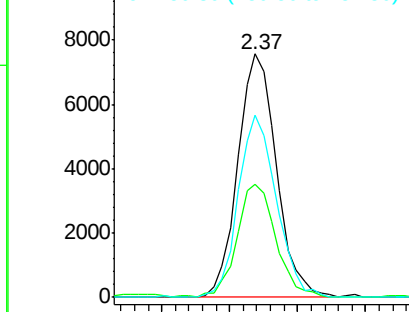
Tot Ion:	101	Resp:	15016
Ion Ratio	Lower	Upper	
101	100		
85	47.1	37.0	55.6
151	73.9	58.6	87.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.839 ug/l

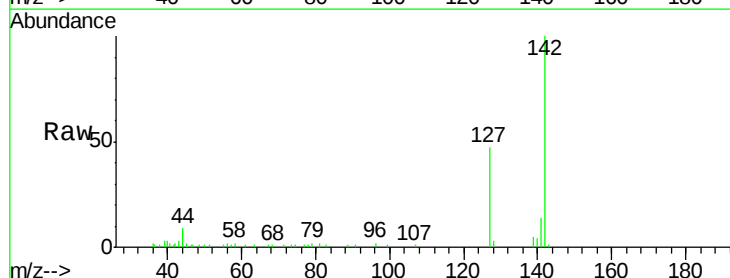
RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

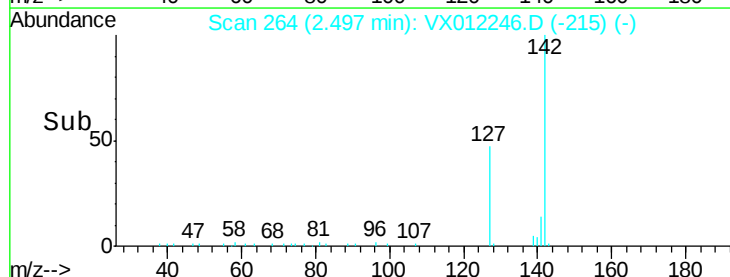
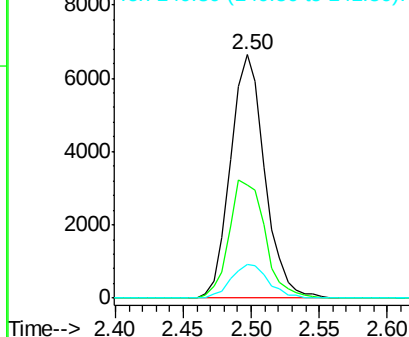
Lab File: VX012246.D

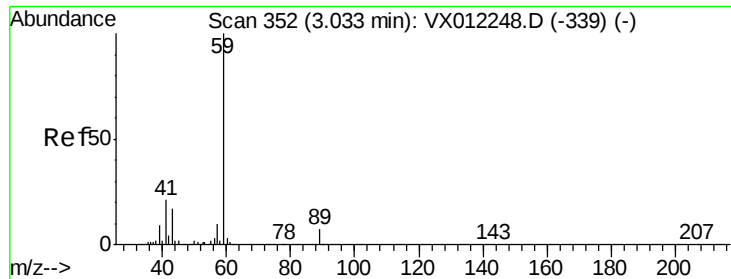
Acq: 10 Sep 2019 09:34

Tgt Ion:	142	Resp:	11633
Ion Ratio	Lower	Upper	
142	100		
127	50.6	40.6	61.0
141	14.9	12.0	18.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





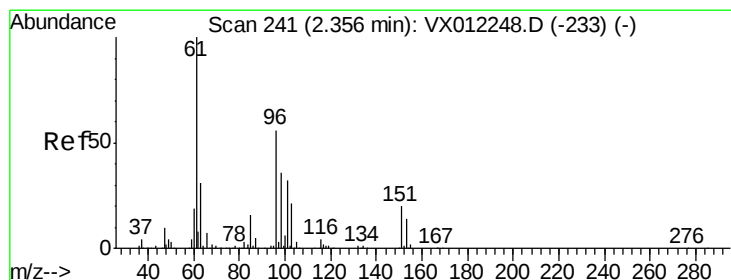
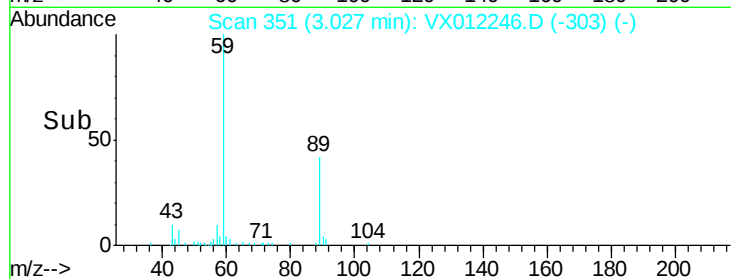
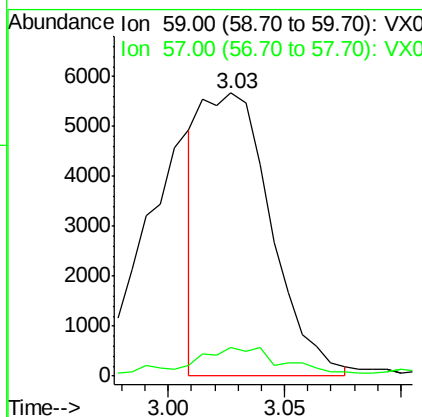
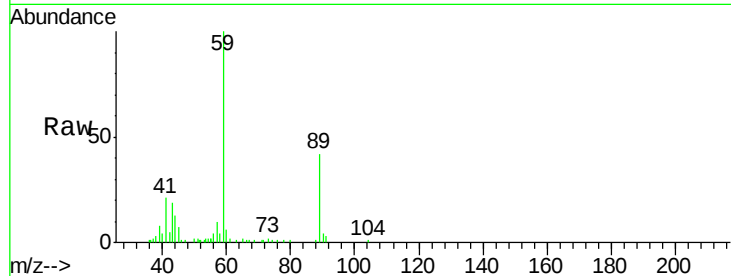
#11
Tert butyl alcohol
Concen: 53.304 ug/l m
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 11928
Ion Ratio Lower Upper
59 100
57 14.0 7.8 11.6#

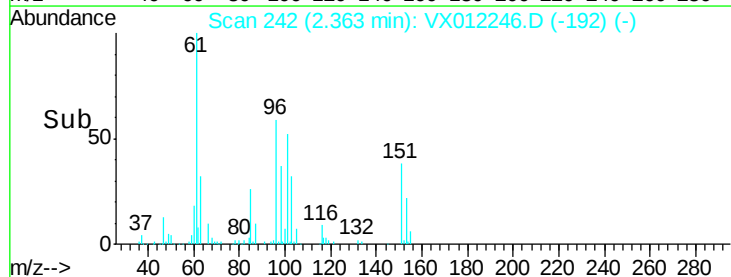
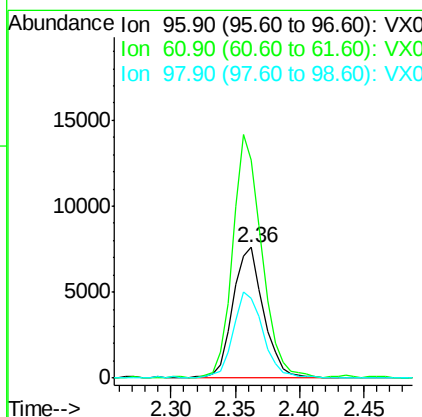
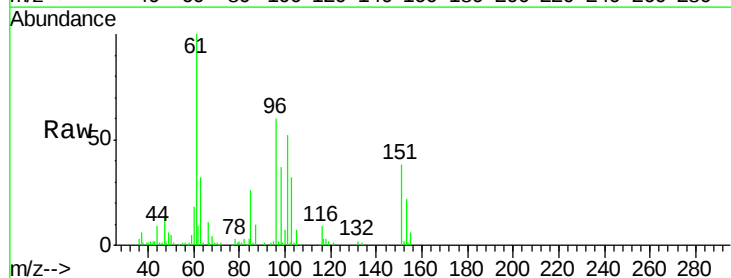
Manual Integrations
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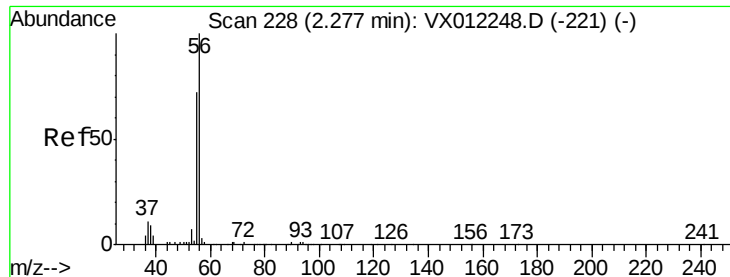
MMDadoda
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#12
1,1-Dichloroethene
Concen: 9.981 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 96 Resp: 12703
Ion Ratio Lower Upper
96 100
61 167.0 142.2 213.2
98 61.1 51.3 76.9





#13

Acrolein

Concen: 41.684 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 5655

Ion Ratio Lower Upper

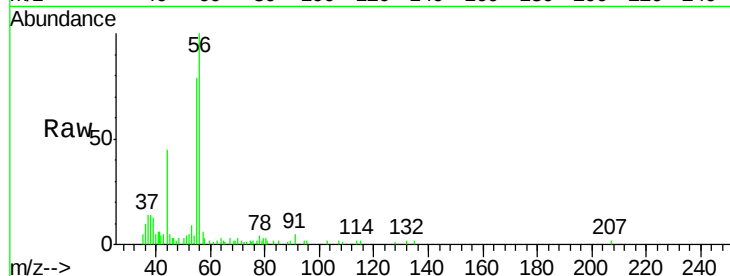
56 100

55 77.1 59.8 89.6

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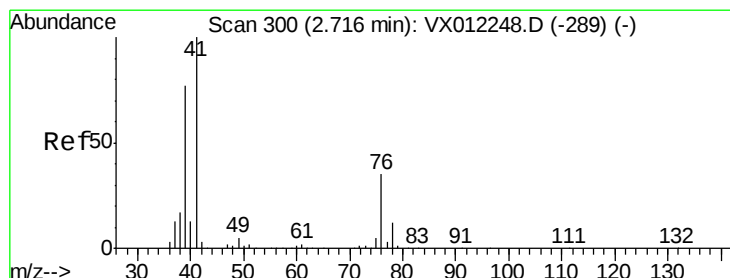
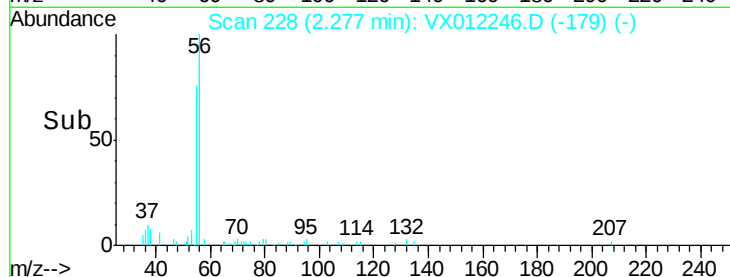
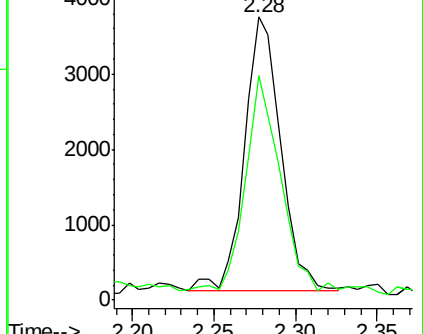
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 8.813 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

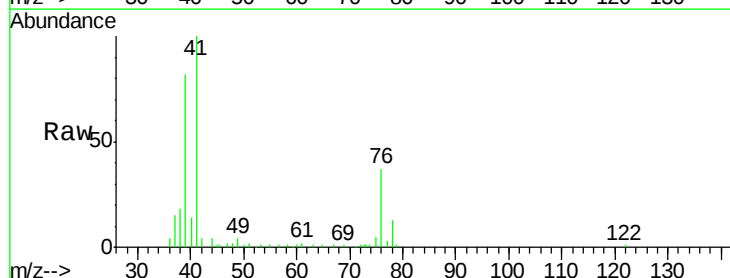
Tgt Ion: 41 Resp: 23148

Ion Ratio Lower Upper

41 100

39 75.3 58.6 87.8

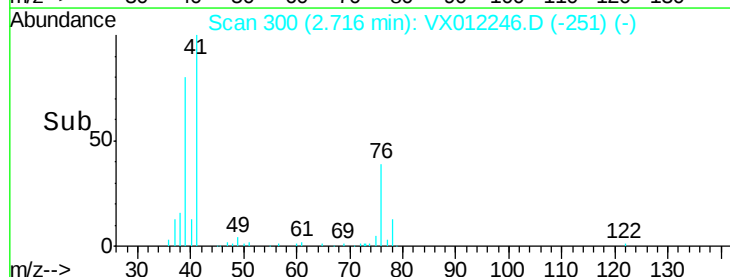
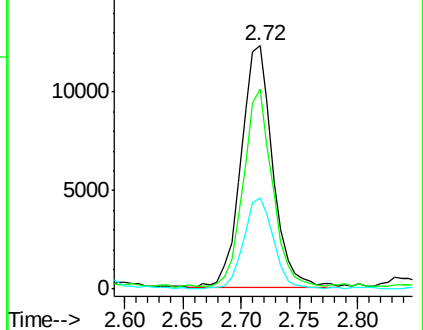
76 36.1 26.3 39.5

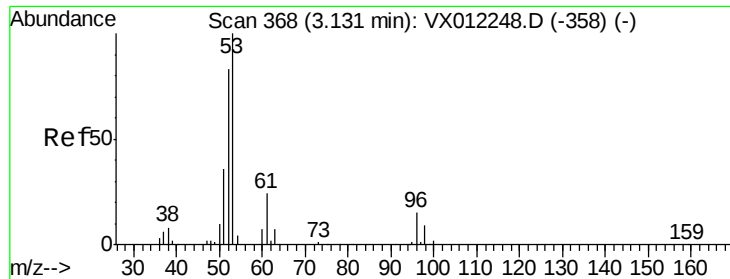


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 42.041 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

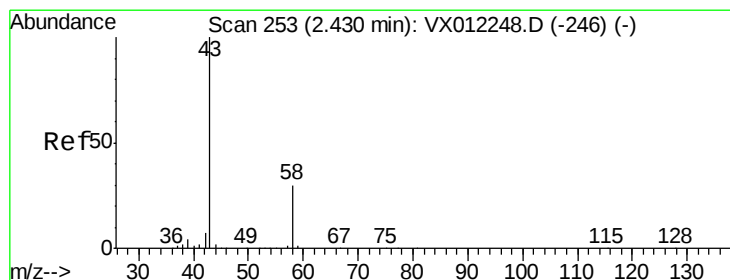
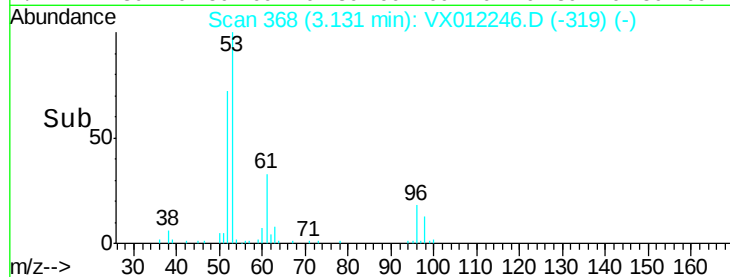
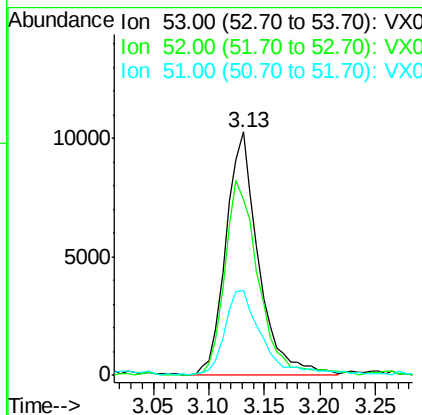
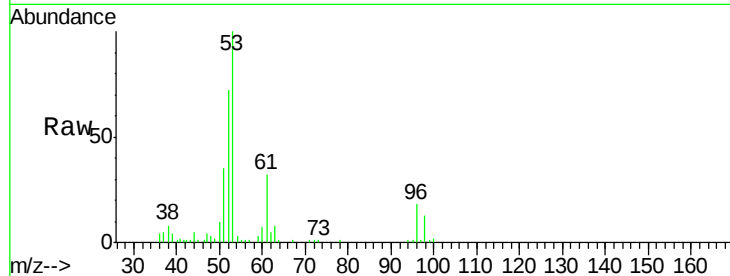
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	20945
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.8	100.2
51	40.6	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 53.913 ug/l

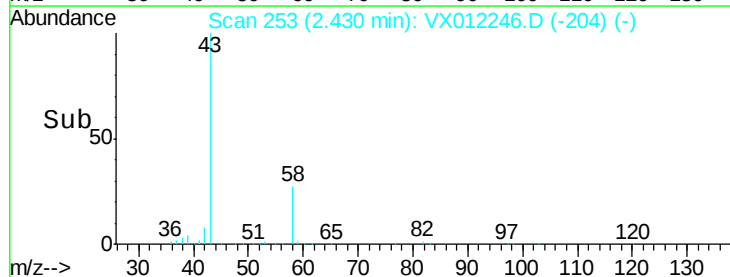
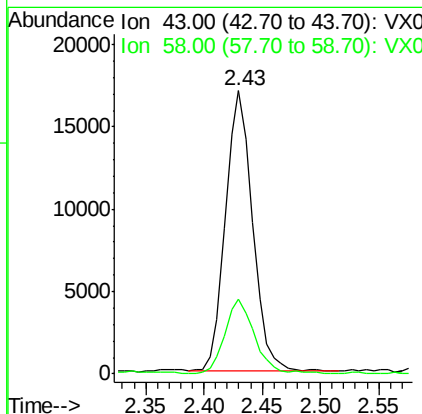
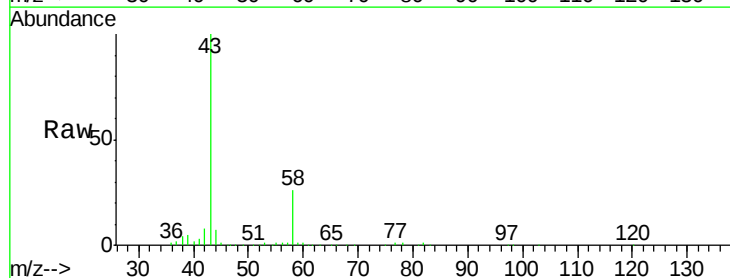
RT: 2.43 min Scan# 253

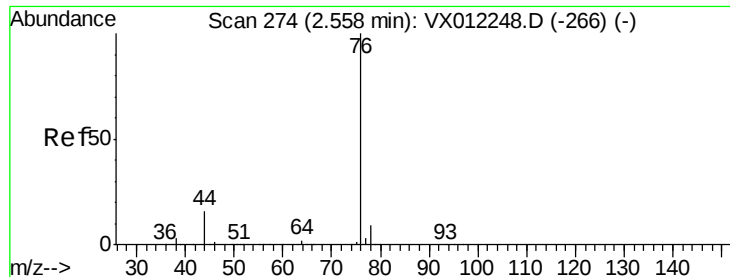
Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion:	43	Resp:	27424
Ion	Ratio	Lower	Upper
43	100		
58	26.3	23.6	35.4





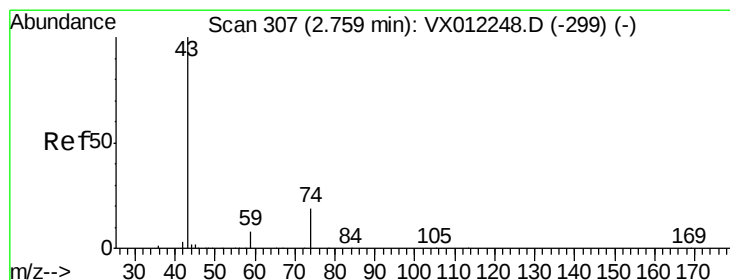
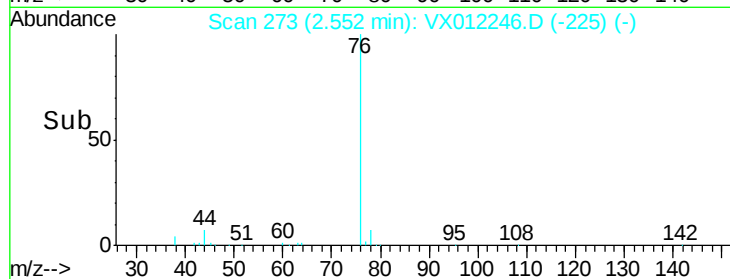
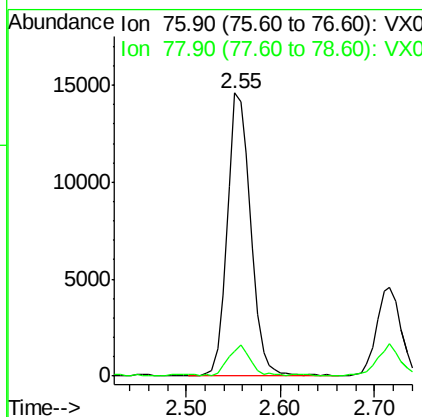
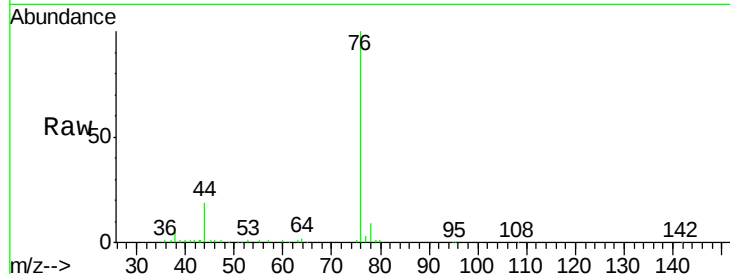
#17
Carbon Disulfide
Concen: 9.615 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2

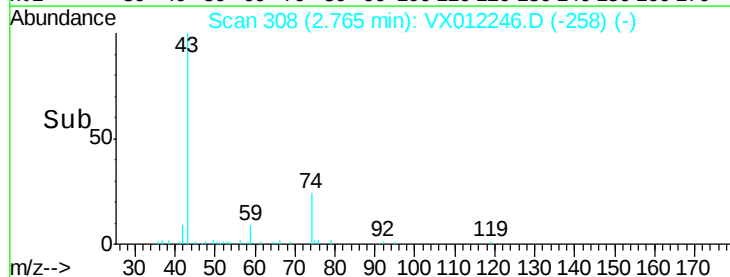
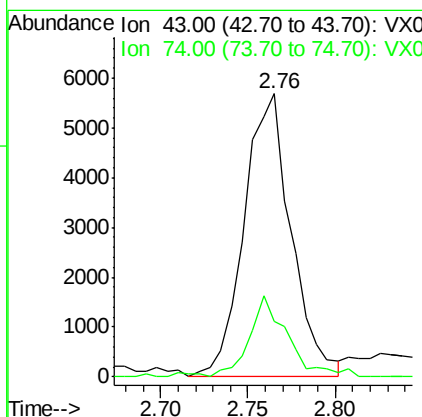
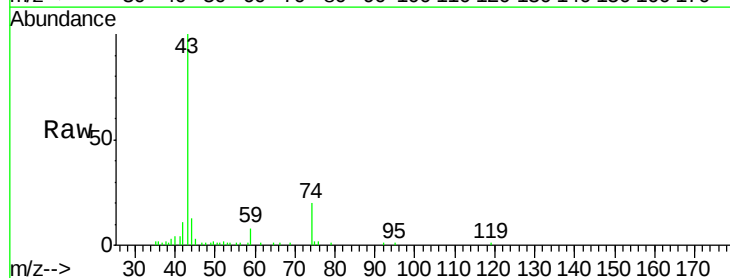
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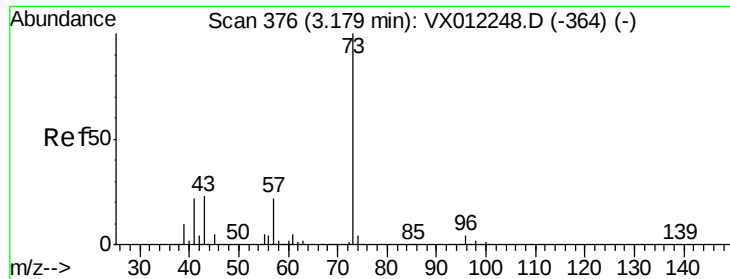
MMDadoda
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#18
Methyl Acetate
Concen: 8.246 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.3	27.5





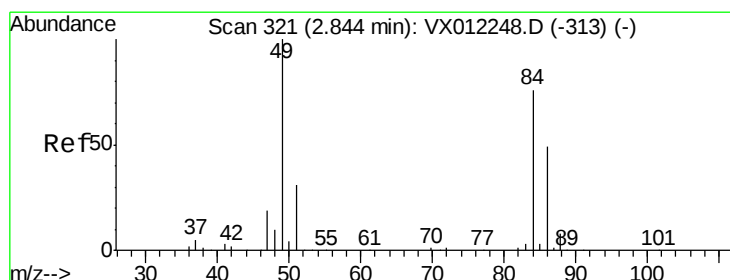
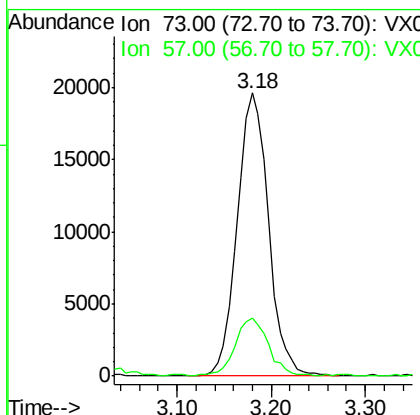
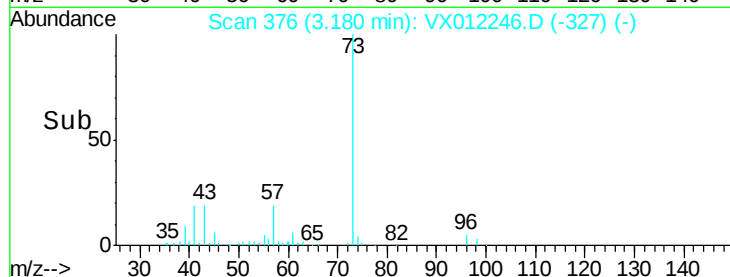
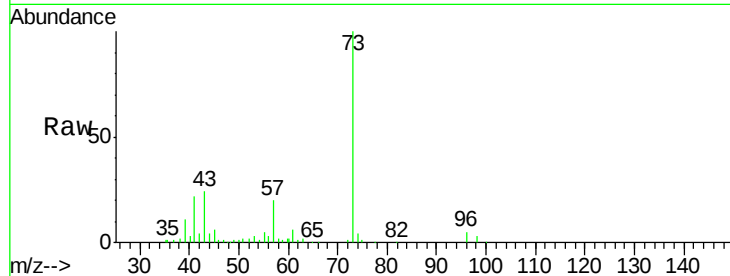
#19
Methyl tert-butyl Ether
Concen: 8.716 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 45632
Ion Ratio Lower Upper
73 100
57 20.0 17.7 26.5

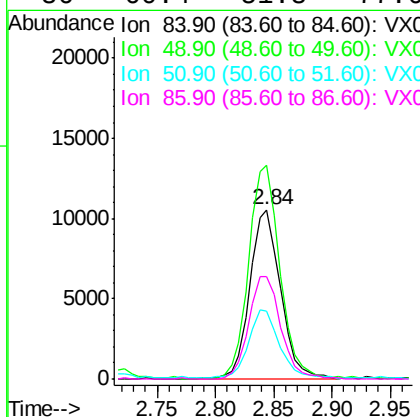
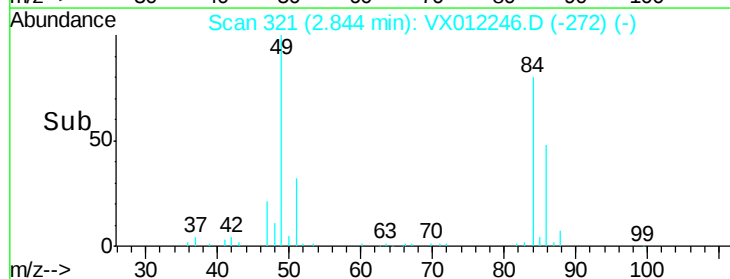
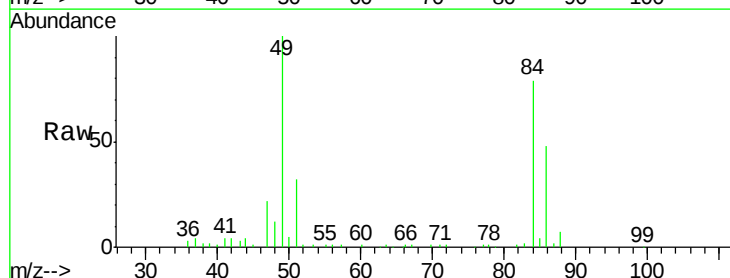
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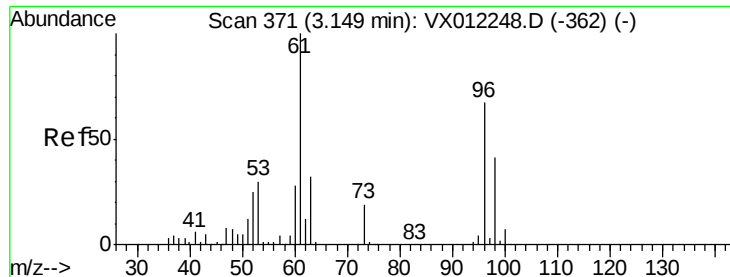
MMDadoda
9/12/2019 9:00:23 AM



#20
Methylene Chloride
Concen: 9.143 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 84 Resp: 19515
Ion Ratio Lower Upper
84 100
49 126.3 105.0 157.6
51 40.5 32.6 48.8
86 60.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 9.240 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 14235

Ion Ratio Lower Upper

96 100

61 140.9 119.4 179.2

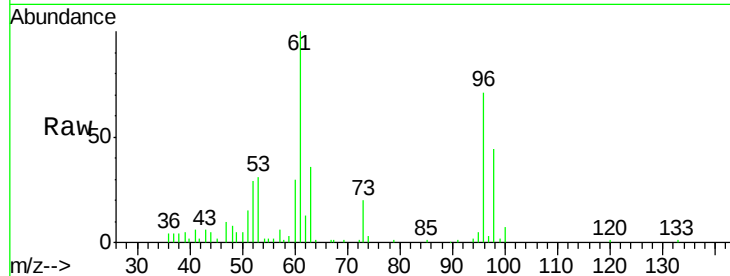
98 62.2 48.4 72.6

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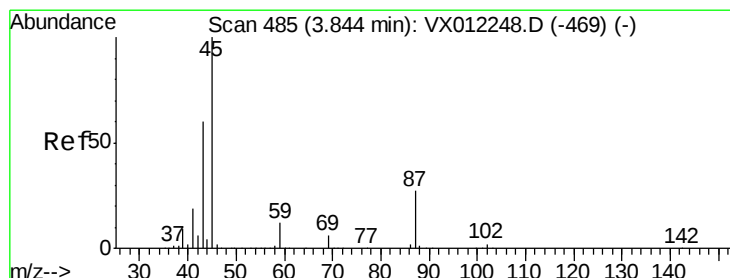
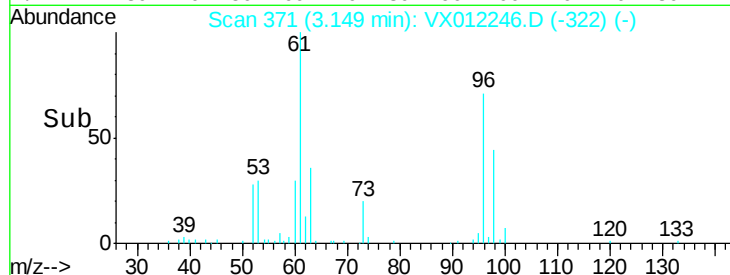
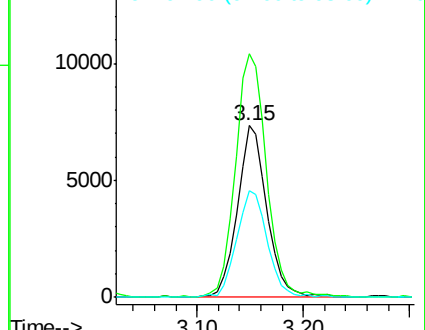
9/12/2019 9:00:23 AM



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: 8.835 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion: 45 Resp: 54104

Ion Ratio Lower Upper

45 100

43 73.6 48.3 72.5#

87 23.4 21.8 32.8

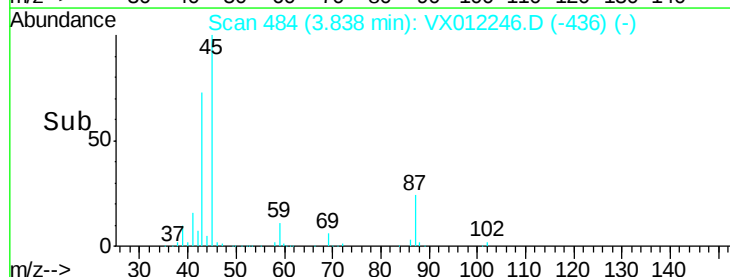
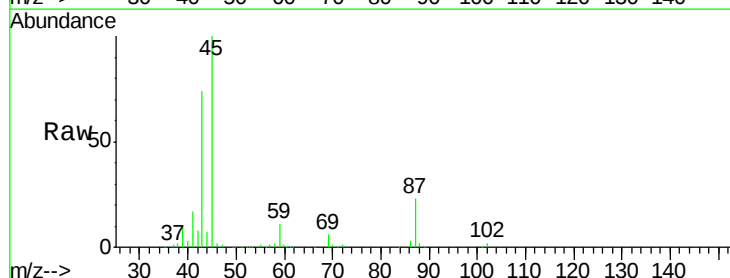
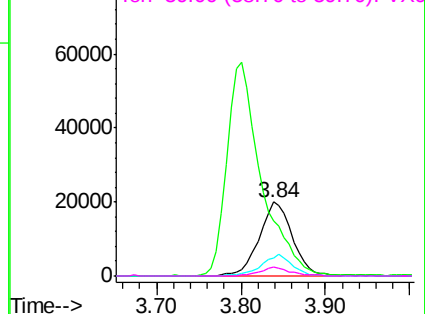
59 11.0 9.1 13.7

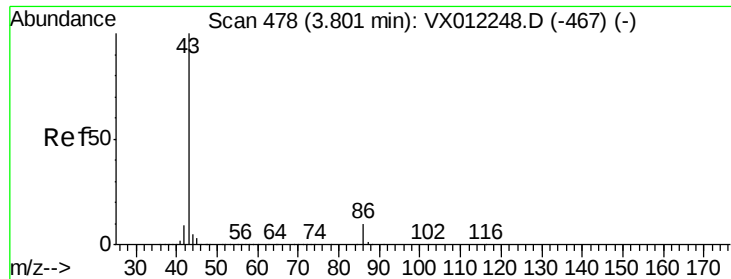
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 42.934 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 160512

Ion Ratio Lower Upper

43 100

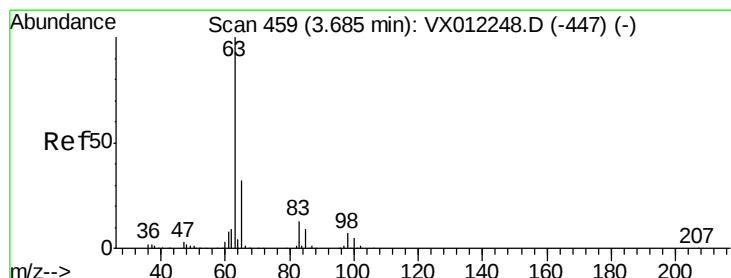
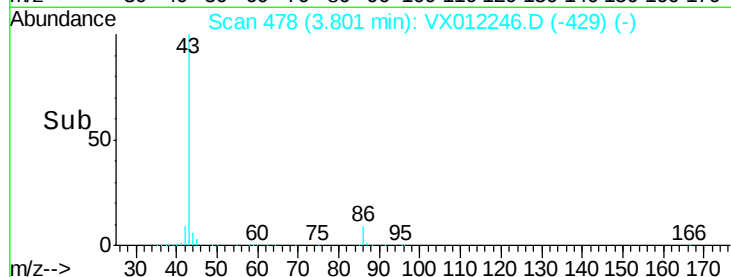
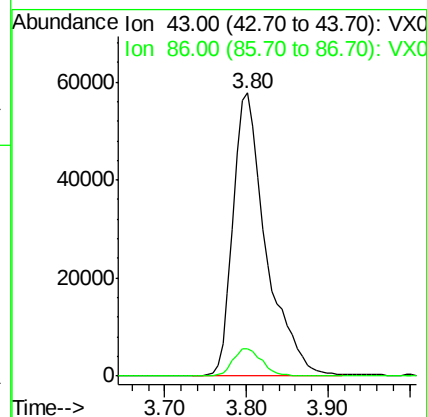
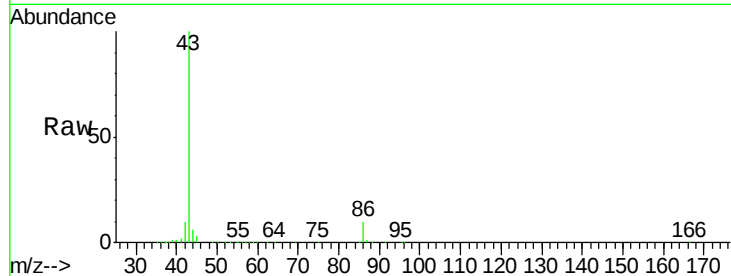
86 9.7 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 8.955 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

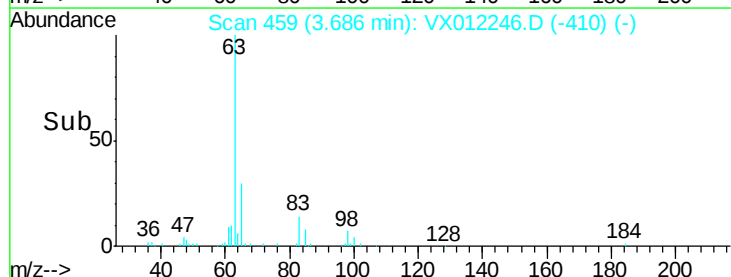
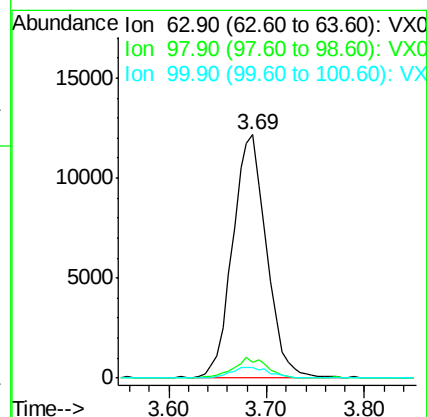
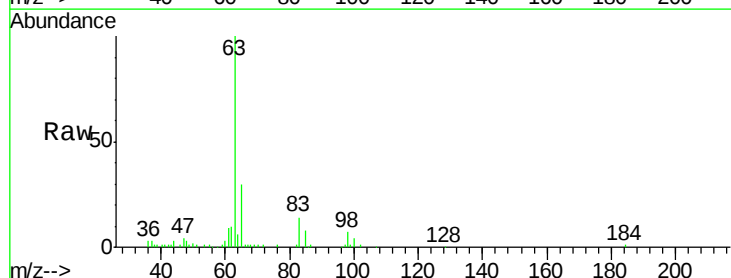
Tgt Ion: 63 Resp: 29273

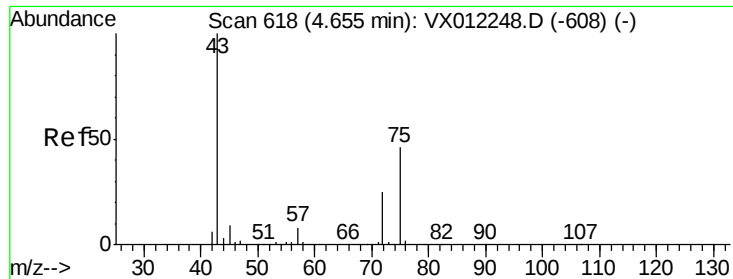
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 47.466 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 33102

Ion Ratio Lower Upper

43 100

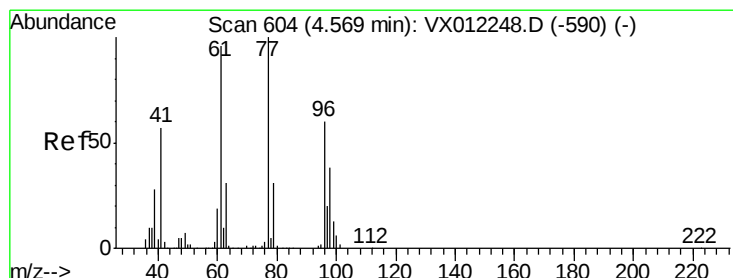
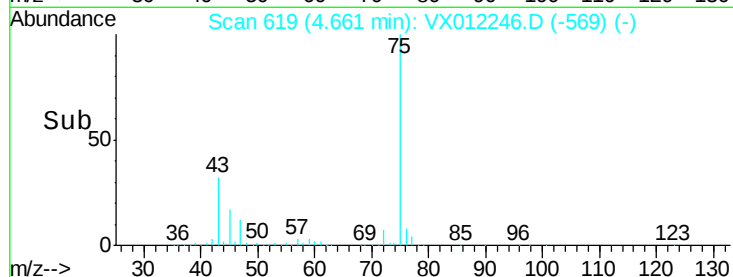
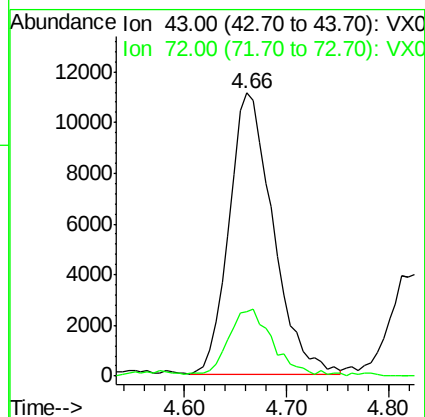
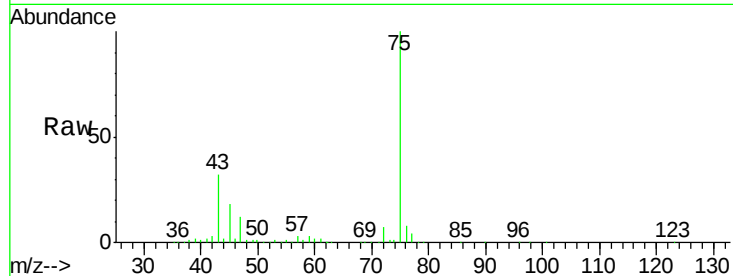
72 22.0 20.2 30.2

Manual Integrations

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9/12/2019 9:00:23 AM



#26

2,2-Dichloropropane

Concen: 9.249 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012246.D

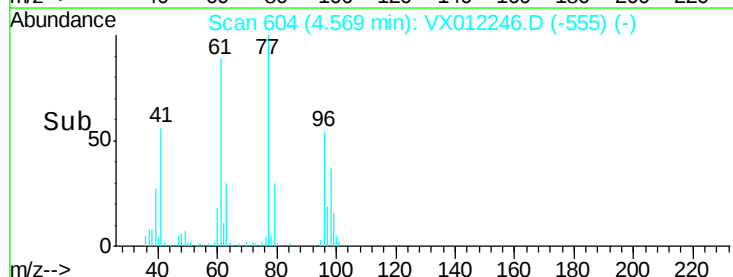
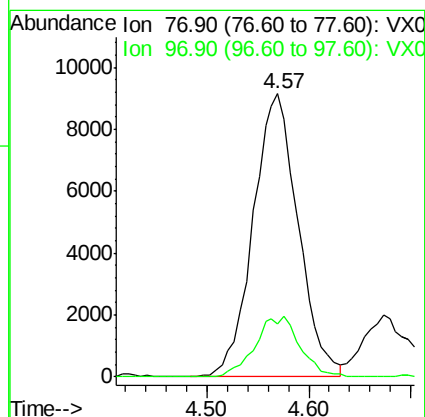
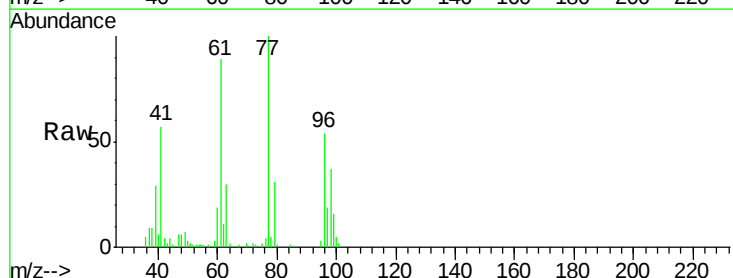
Acq: 10 Sep 2019 09:34

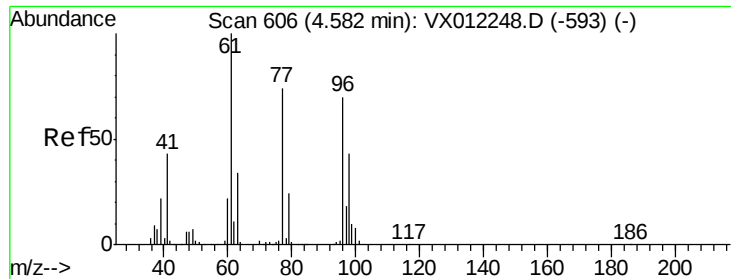
Tgt Ion: 77 Resp: 28039

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1





#27

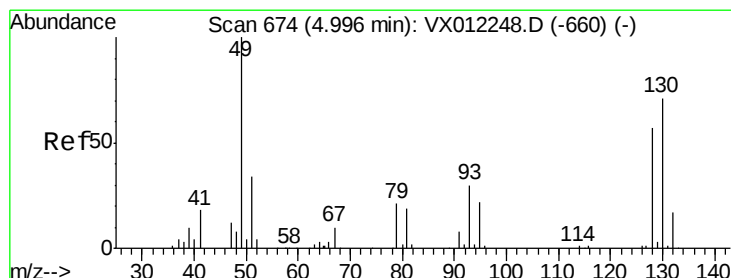
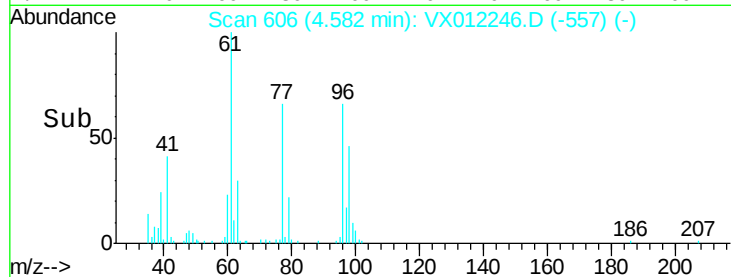
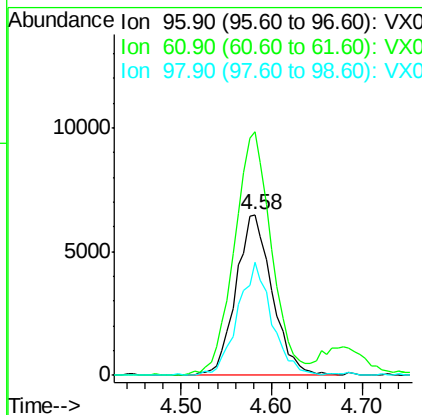
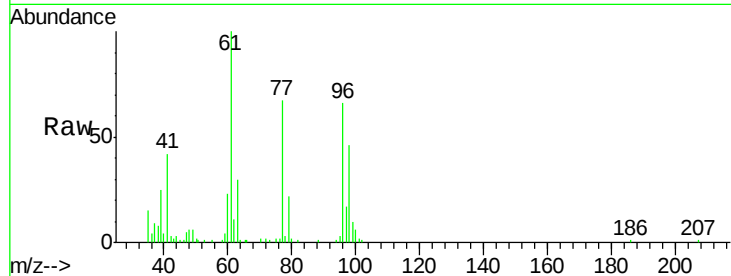
cis-1,2-Dichloroethene
Concen: 8.883 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	310.4
98	65.8	0.0	128.8

Manual Integrations
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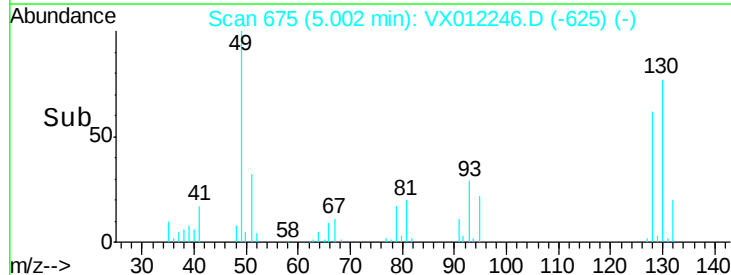
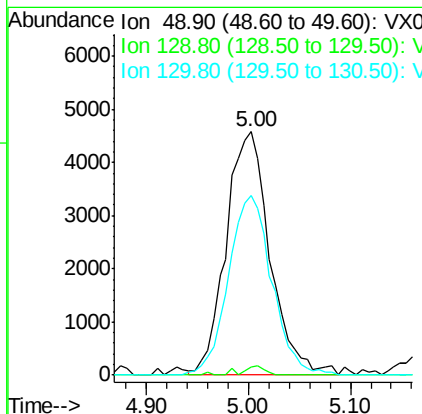
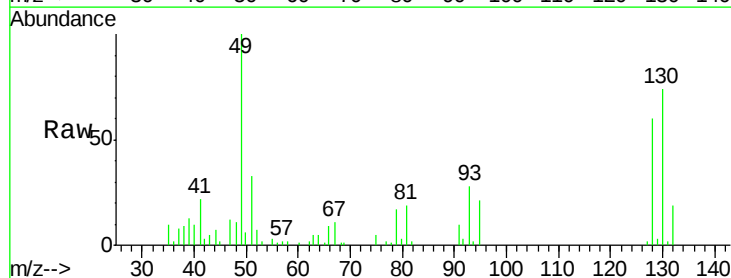
MMDadoda
9/12/2019 9:00:23 AM

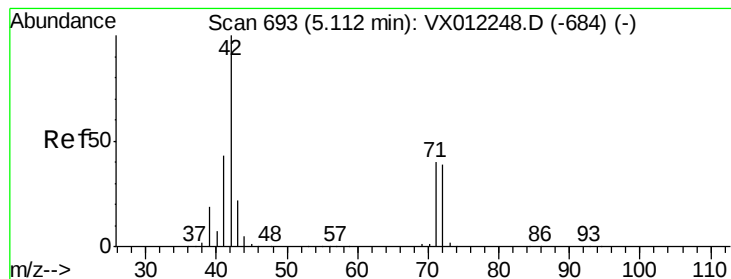


#28

Bromochloromethane
Concen: 9.110 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.2
130	73.2	60.1	90.1





#29

Tetrahydrofuran

Concen: 39.723 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

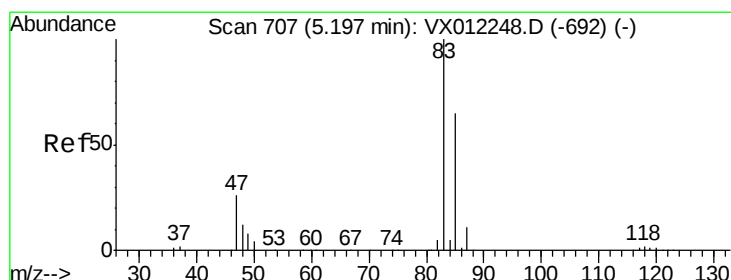
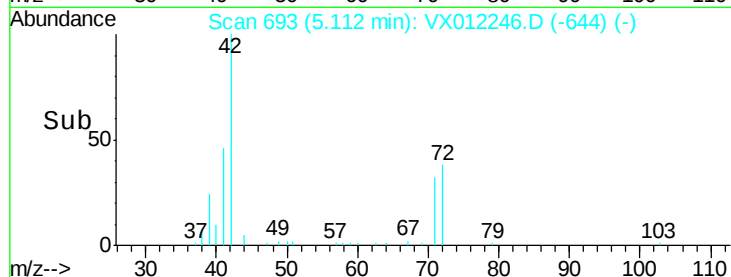
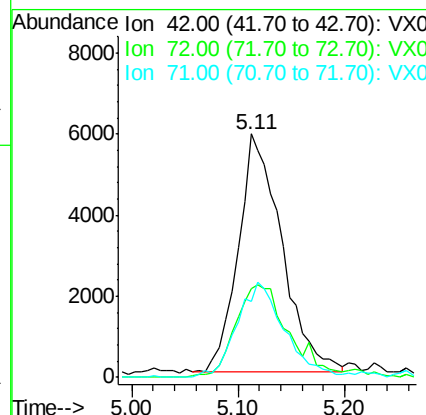
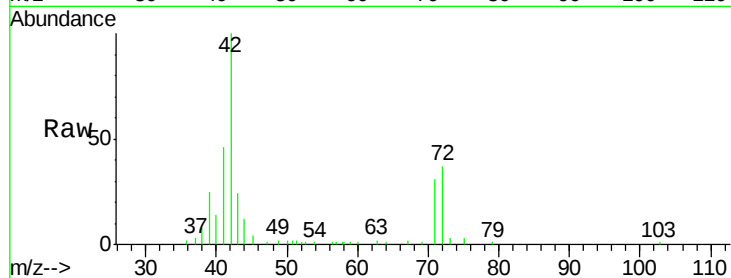
ClientSampleId :

VSTDIC010

Tot Ion:	42	Resp:	16801
Ion	Ratio	Lower	Upper
42	100		
72	47.3	35.2	52.8
71	43.3	32.5	48.7

Manual Integrations
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#30

Chloroform

Concen: 9.025 ug/l

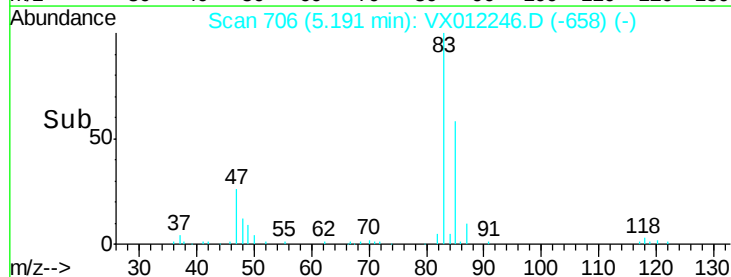
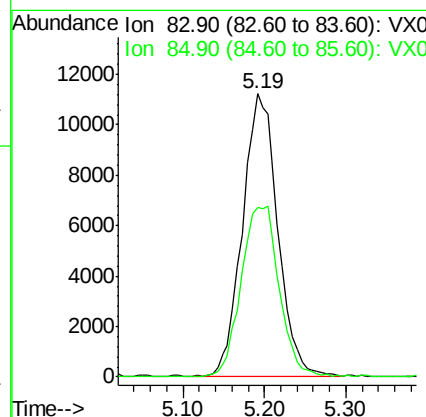
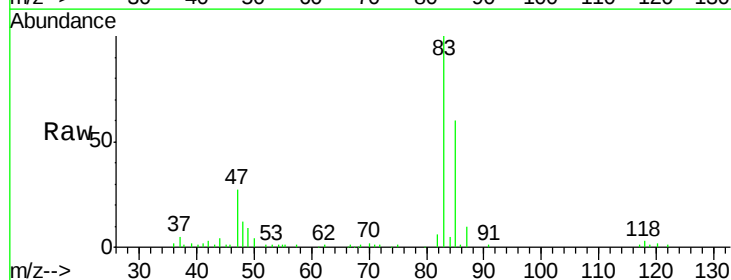
RT: 5.19 min Scan# 706

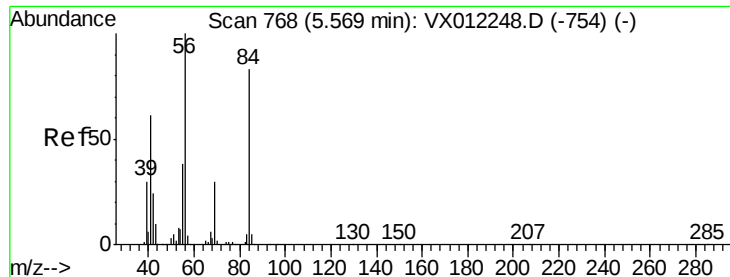
Delta R.T. -0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion:	83	Resp:	33753
Ion	Ratio	Lower	Upper
83	100		
85	59.7	52.3	78.5





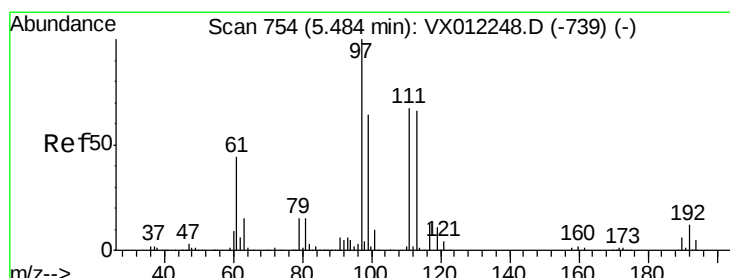
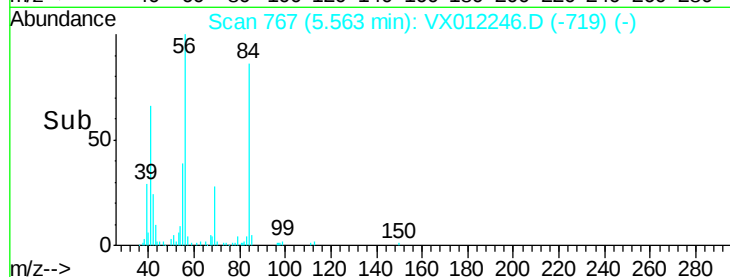
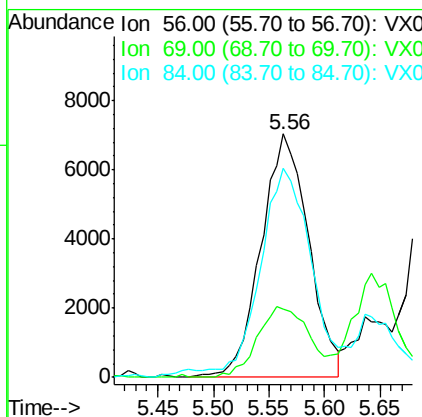
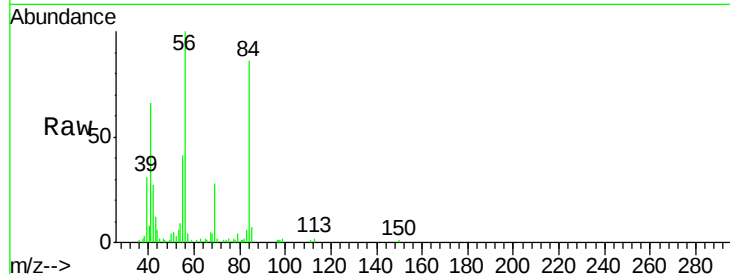
#31
Cyclohexane
Concen: 9.528 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.8	35.6
84	83.4	66.6	100.0

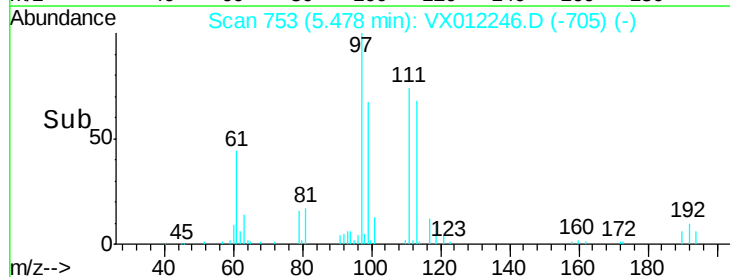
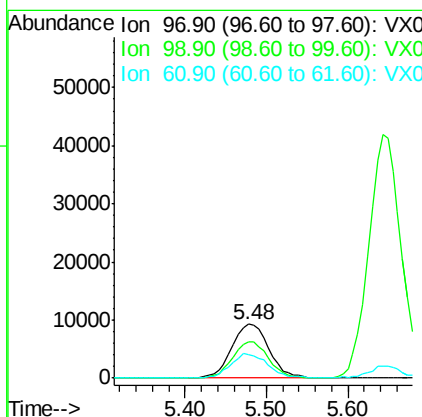
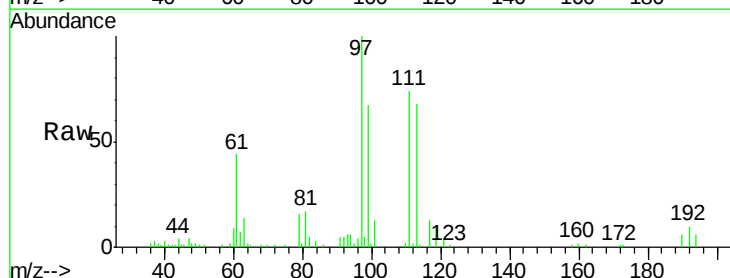
Manual Integrations
APPROVED

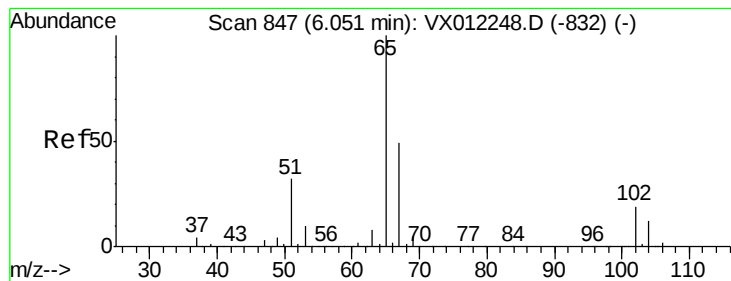
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#32
1,1,1-Trichloroethane
Concen: 9.476 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.3	76.9
61	45.8	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 9.166 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012246.D

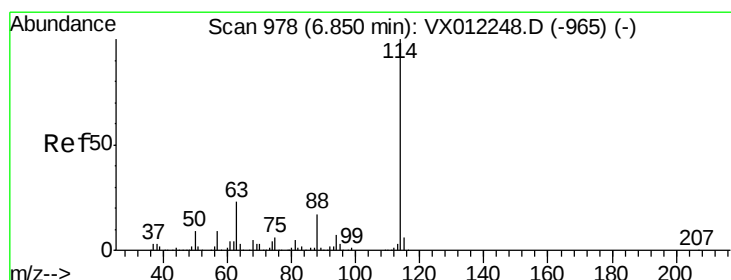
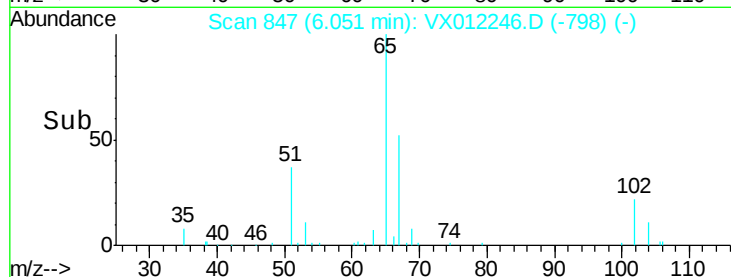
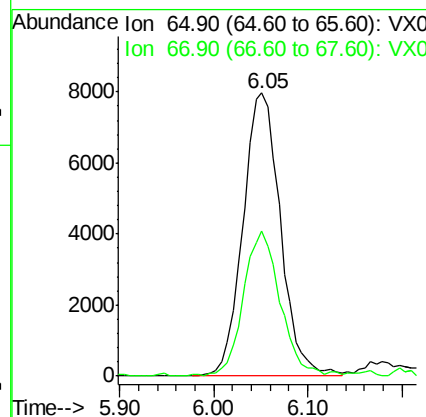
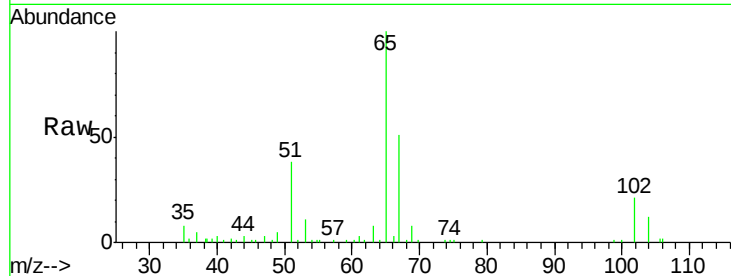
Acq: 10 Sep 2019 09:34

Tot Ion:	65	Resp:	22061
Ion Ratio	Lower	Upper	
65	100		
67	50.1	0.0	99.8

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Manual Integrations
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9/12/2019 9:00:23 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

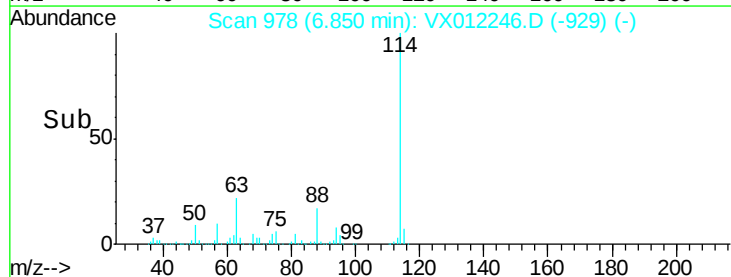
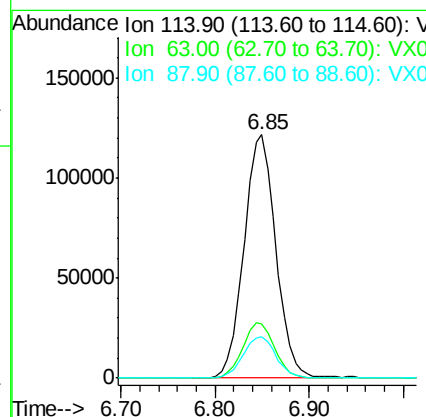
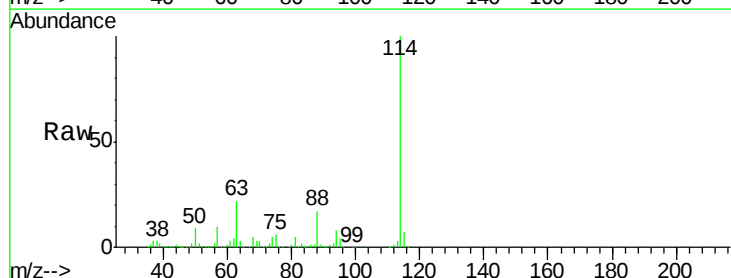
RT: 6.85 min Scan# 978

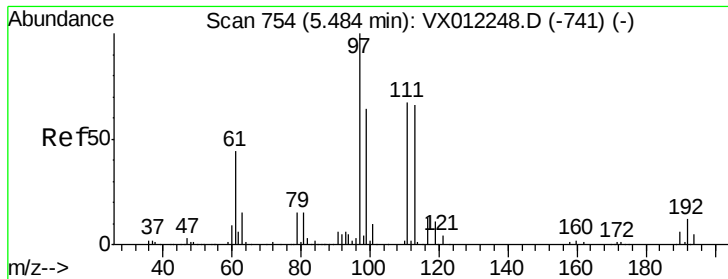
Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion:	114	Resp:	287248
Ion Ratio	Lower	Upper	
114	100		
63	22.3	0.0	45.2
88	17.0	0.0	34.8





#35

Dibromofluoromethane

Concen: 9.880 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

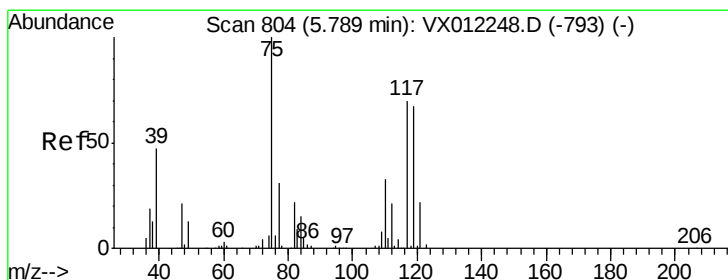
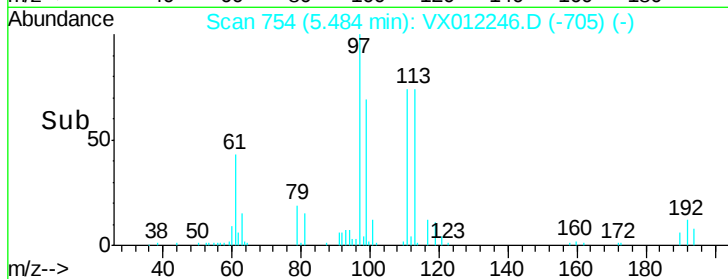
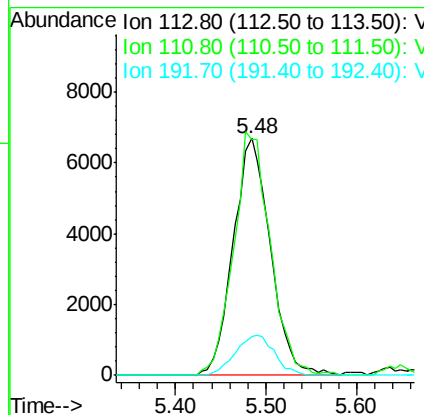
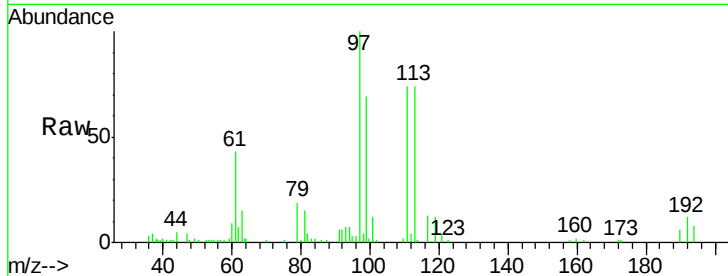
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	19019
Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.0	124.6
192	17.9	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 9.642 ug/l

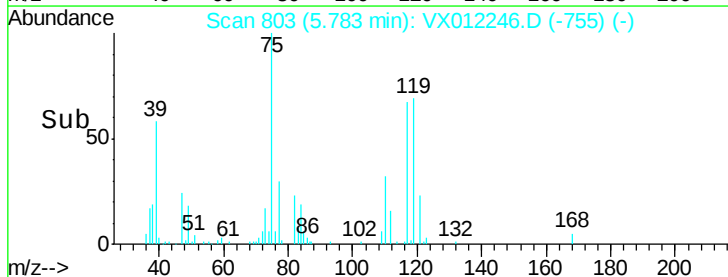
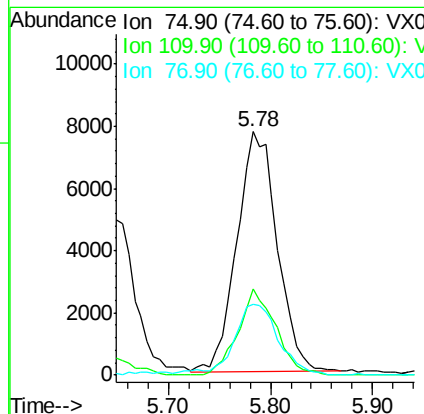
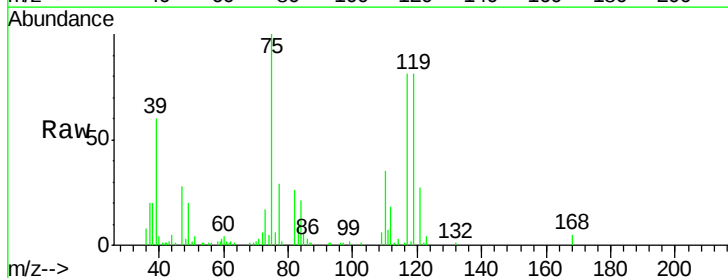
RT: 5.78 min Scan# 803

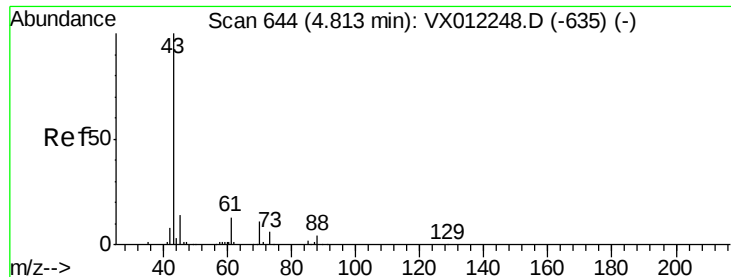
Delta R.T. -0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion:	75	Resp:	21309
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.8	50.4
77	32.5	24.5	36.7





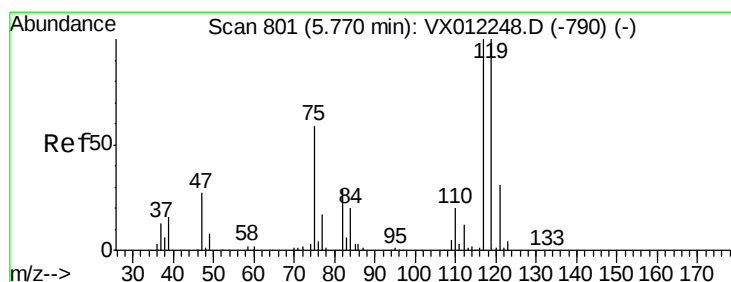
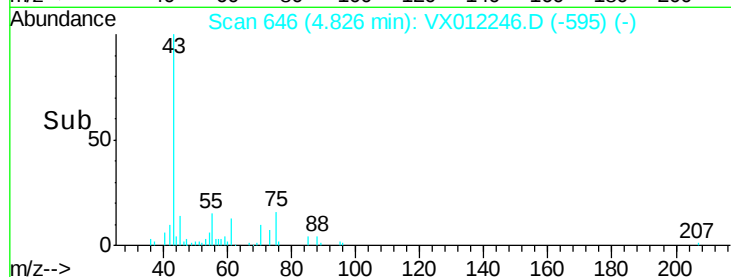
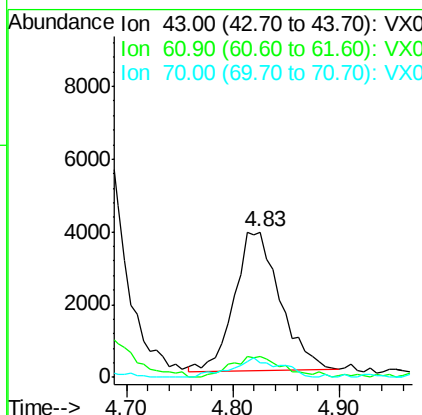
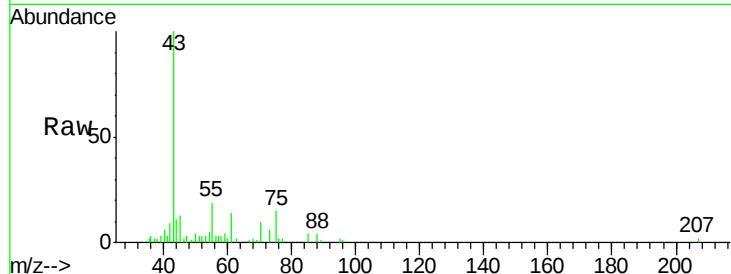
#37
Ethyl Acetate
Concen: 7.861 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	10.3	15.5#
70	14.4	9.1	13.7#

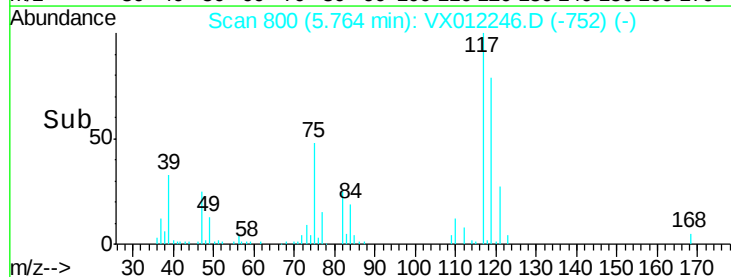
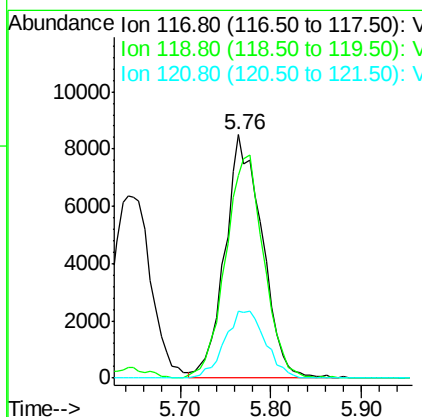
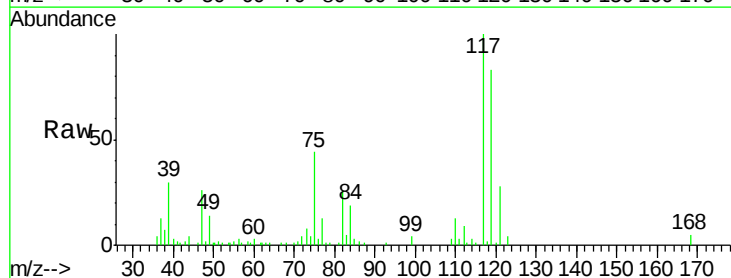
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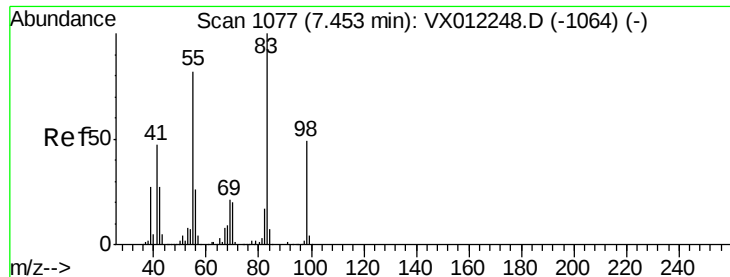
MMDadoda
9/12/2019 9:00:23 AM



#38
Carbon Tetrachloride
Concen: 9.594 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.1	79.6	119.4
121	27.7	24.7	37.1





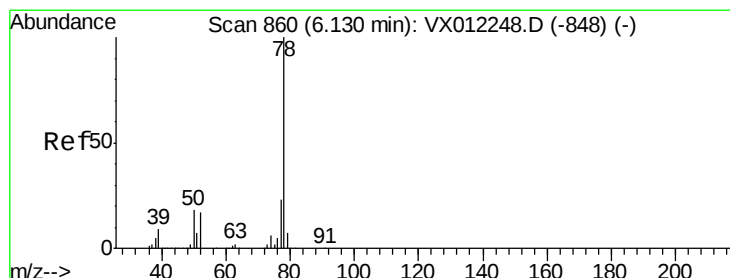
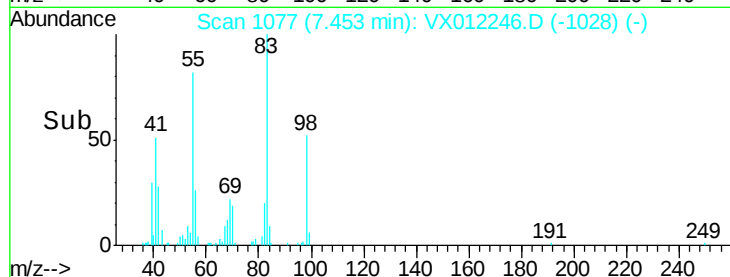
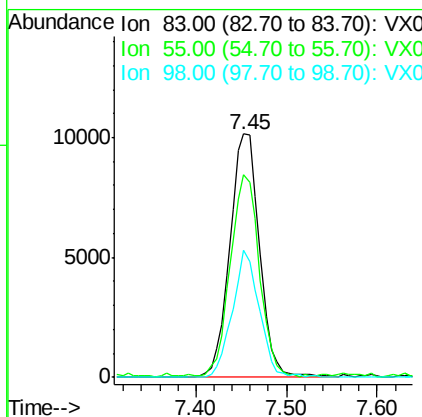
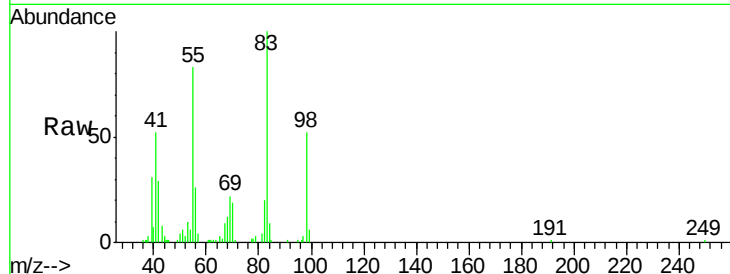
#39
Methvlcvclohexane
Concen: 9.944 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	65.4	98.2
98	52.2	39.6	59.4

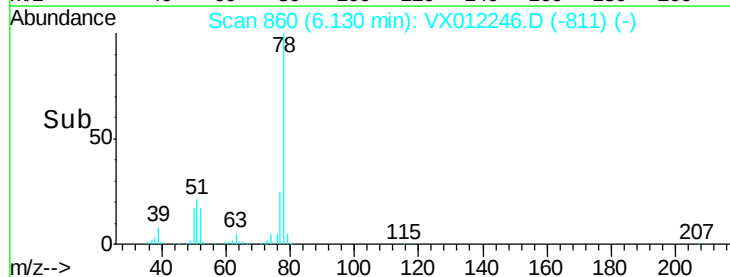
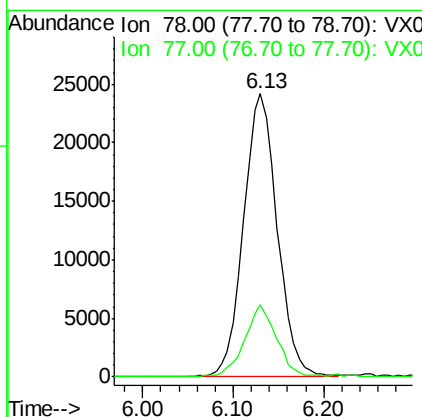
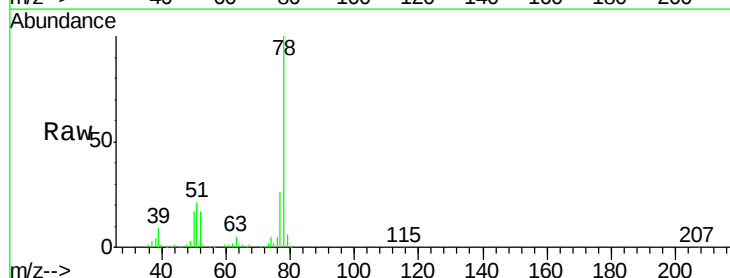
Manual Integrations
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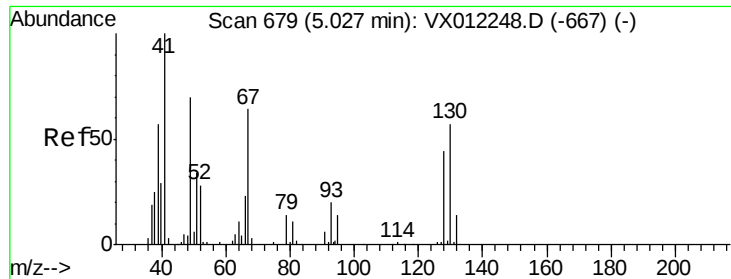
MMDadoda
9/12/2019 9:00:23 AM



#40
Benzene
Concen: 9.282 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	18.0	27.0





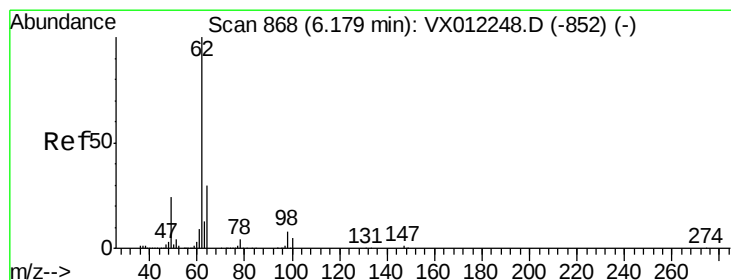
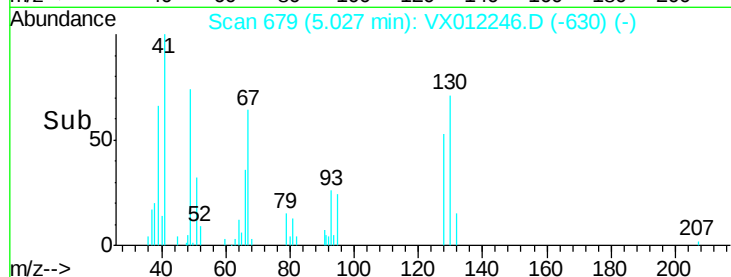
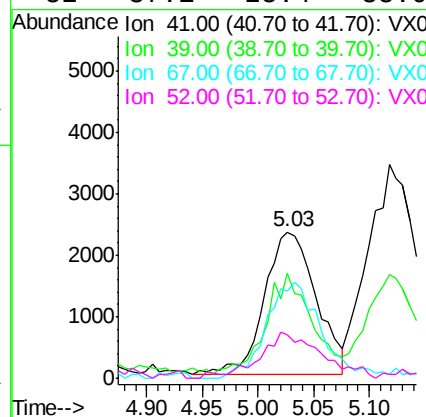
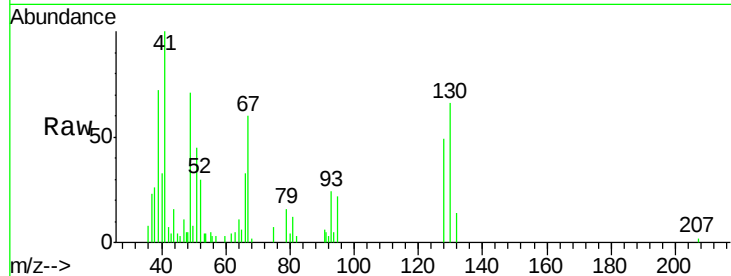
#41
Methacrylonitrile
Concen: 8.291 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.6	49.0	73.4	
67	71.1	55.0	82.4	
52	37.1	25.4	38.0	

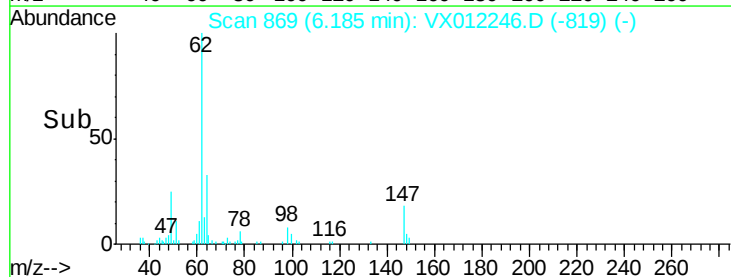
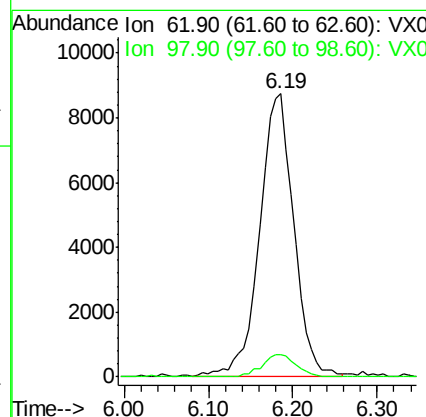
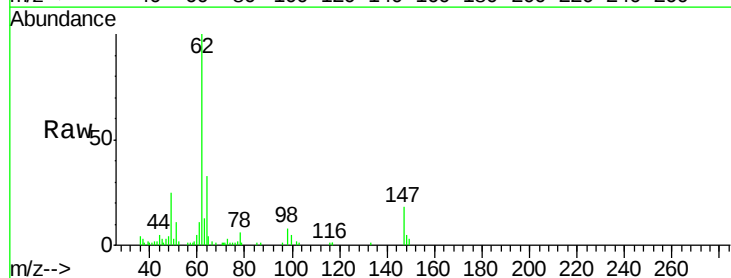
Manual Integrations
APPROVED

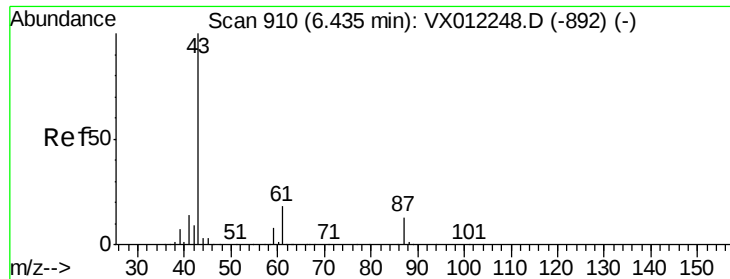
MMDadoda
9/12/2019 9:00:23 AM



#42
1,2-Dichloroethane
Concen: 9.004 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	17.2	





#43

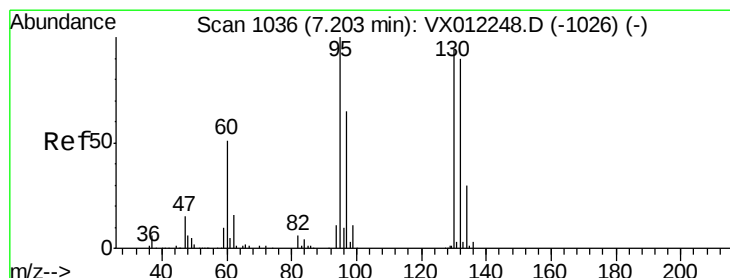
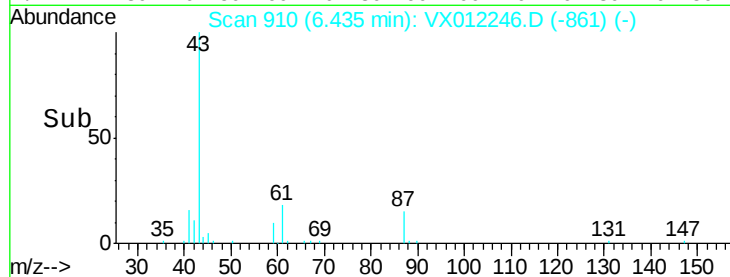
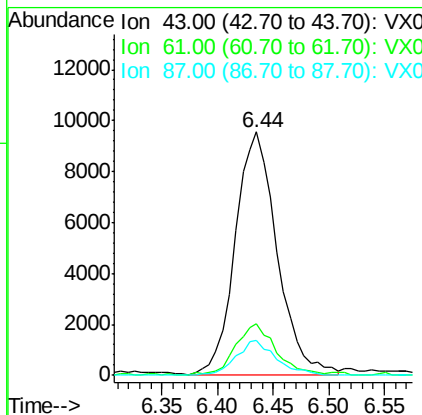
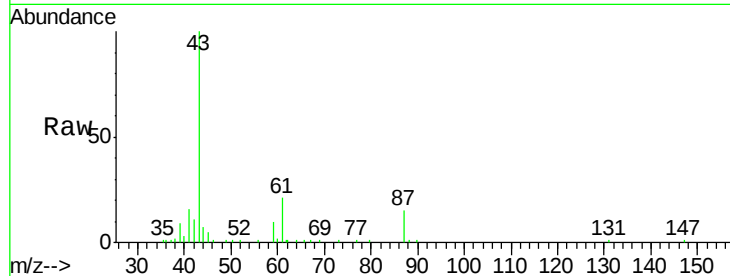
Isopropyl Acetate
 Concen: 8.275 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.4	23.2
87	13.7	10.5	15.7

Manual Integrations
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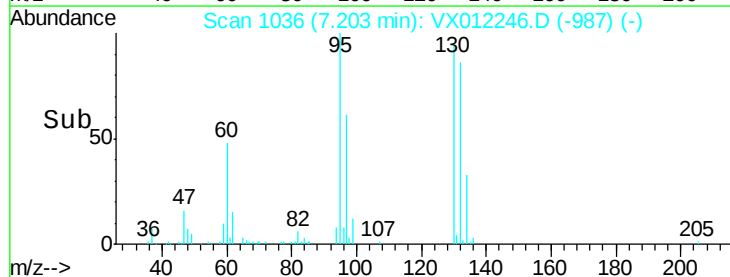
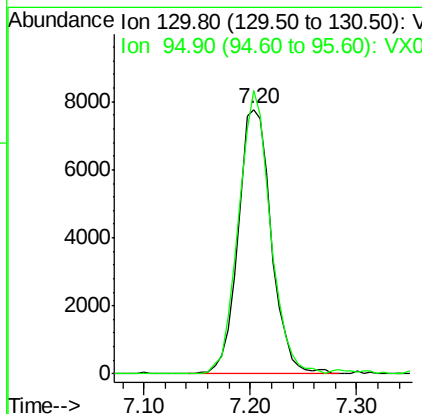
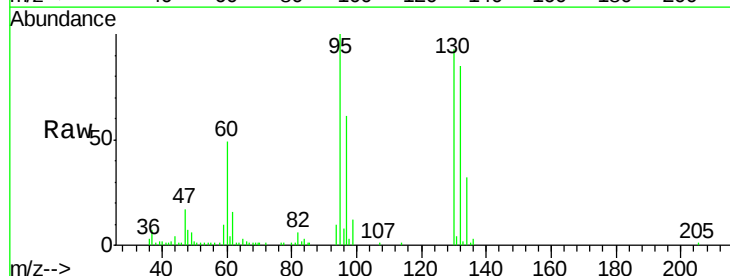
MMDadoda
 9/12/2019 9:00:23 AM

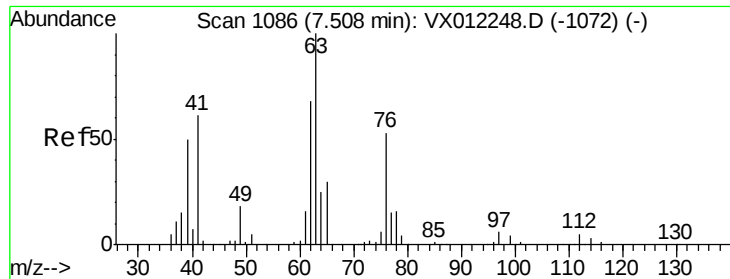


#44

Trichloroethene
 Concen: 9.417 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	212.0





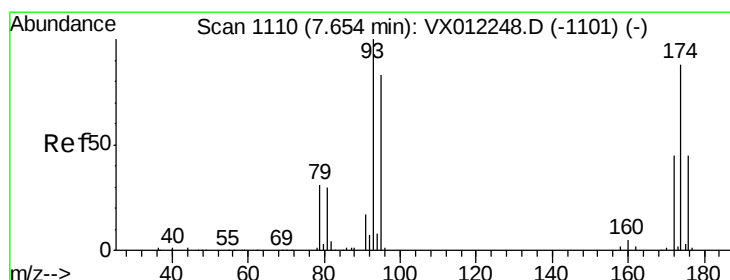
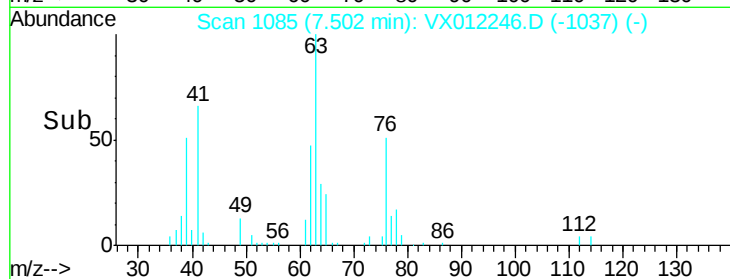
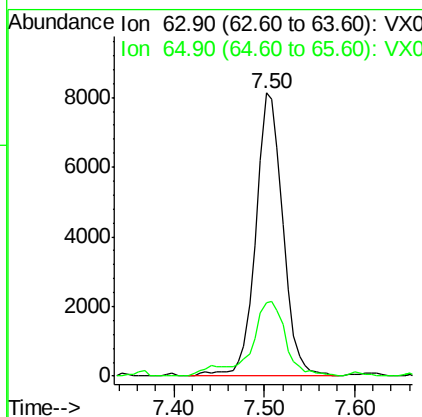
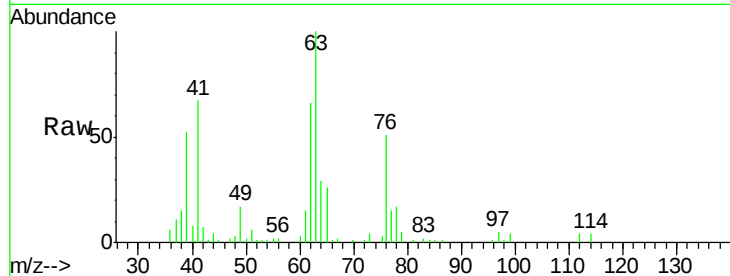
#45
 1,2-Dichloropropane
 Concen: 8.910 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 16863
 Ion Ratio Lower Upper
 63 100
 65 25.9 24.3 36.5

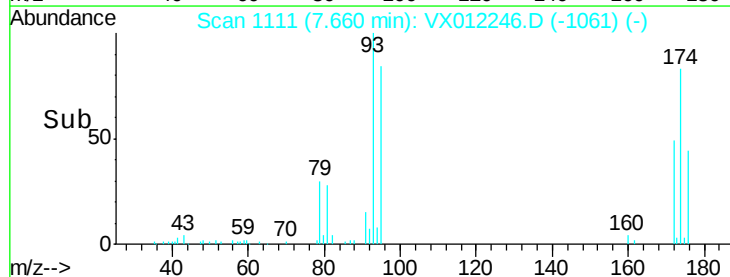
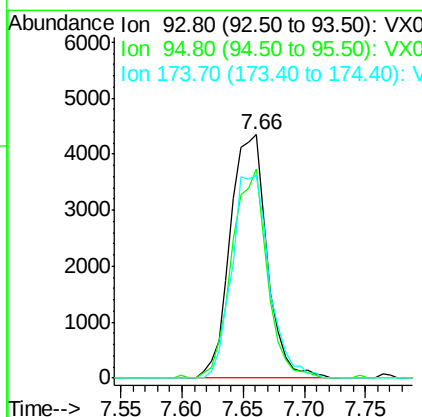
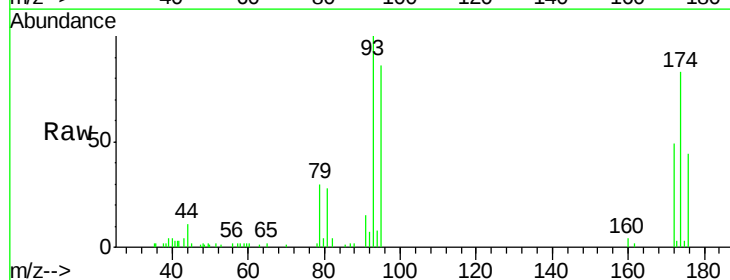
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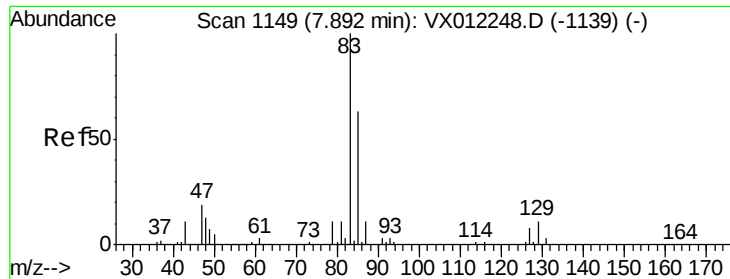
MMDadoda
 9/12/2019 9:00:23 AM



#46
 Dibromomethane
 Concen: 8.453 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 93 Resp: 9099
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.7 98.5
 174 84.1 71.0 106.4





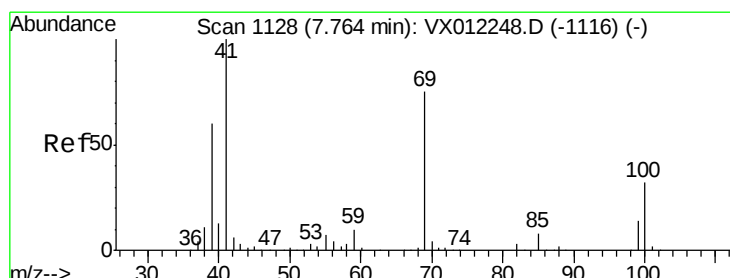
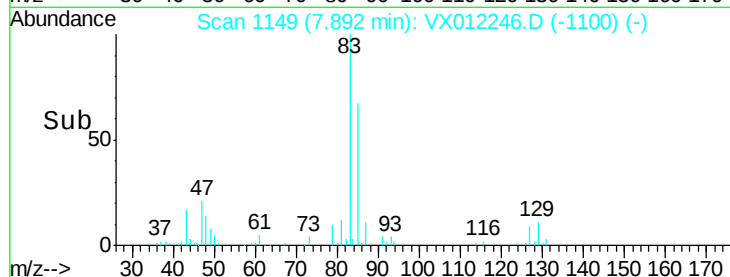
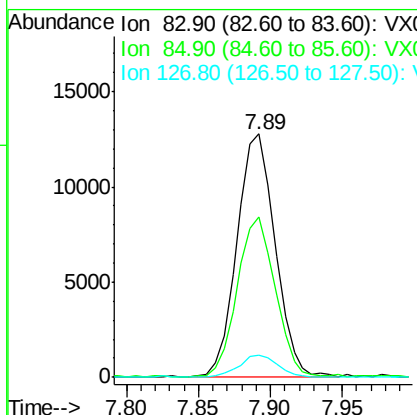
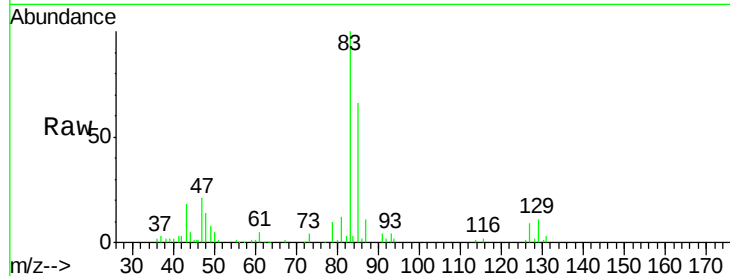
#47
Bromodichloromethane
Concen: 8.227 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	23703
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	50.2	75.4
127	9.3	6.3	9.5

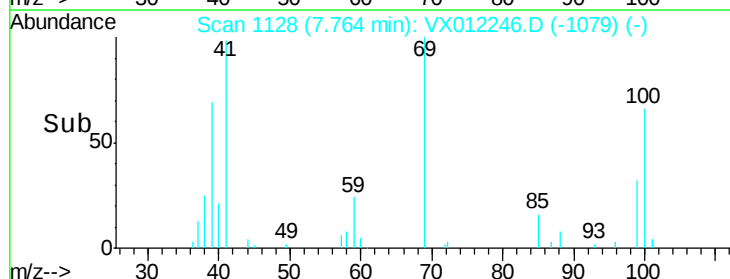
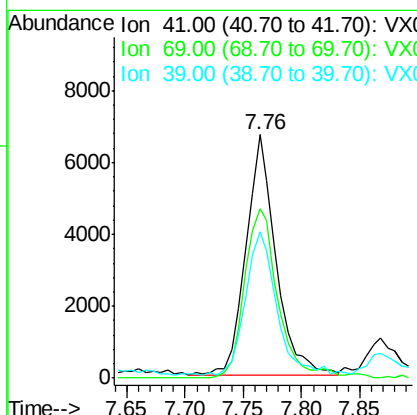
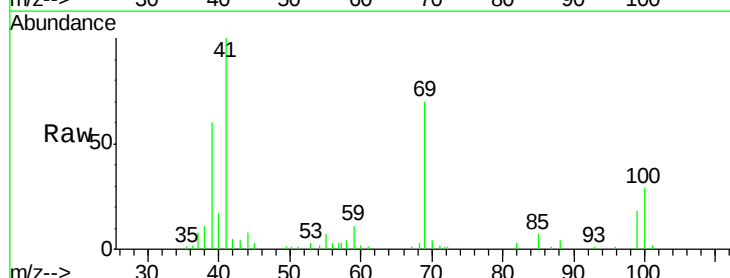
Manual Integrations
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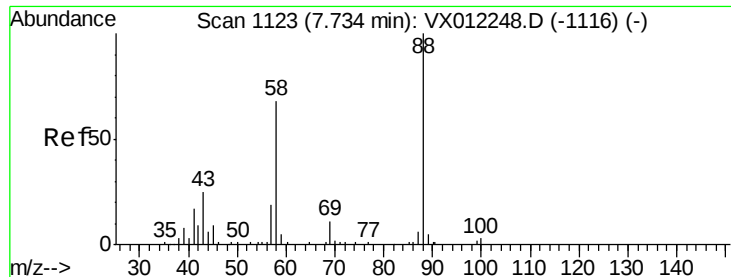
MMDadoda
9/12/2019 9:00:23 AM



#48
Methyl methacrylate
Concen: 8.312 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	41	Resp	12072
Ion Ratio	100	Lower	Upper
41	100		
69	78.1	61.8	92.6
39	62.1	48.6	73.0





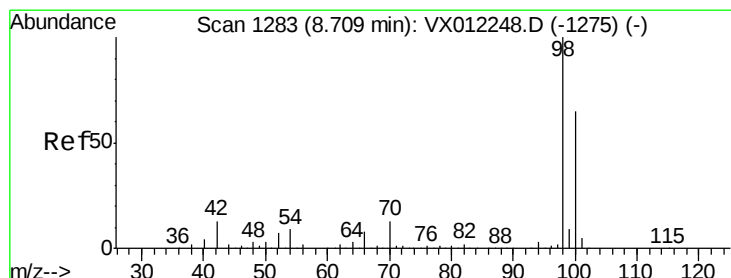
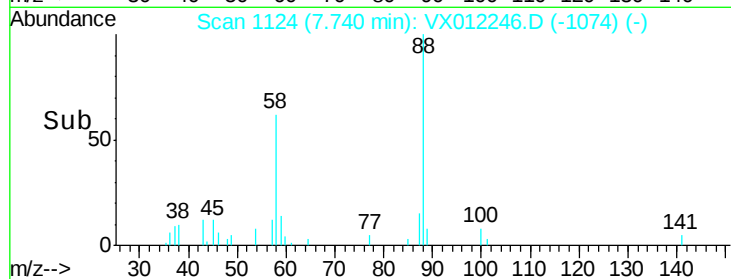
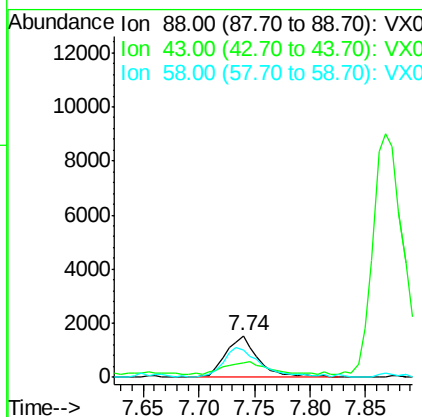
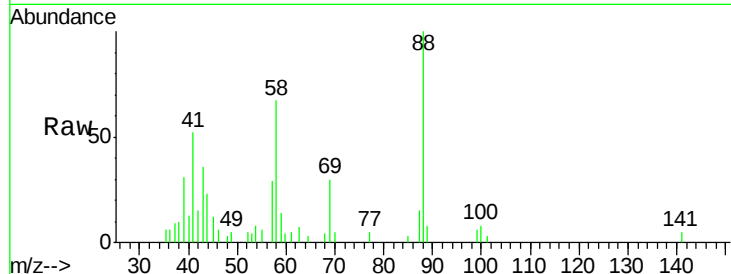
#49
1,4-Dioxane
Concen: 152.571 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	31.0	46.4
58	82.3	61.5	92.3

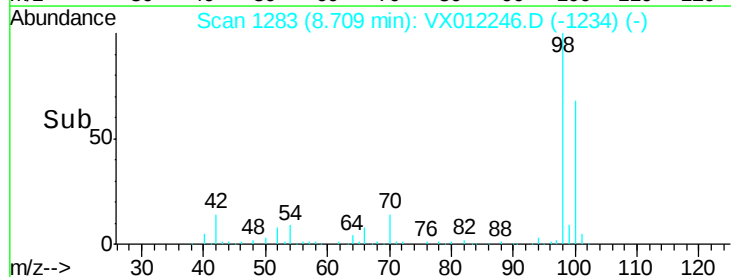
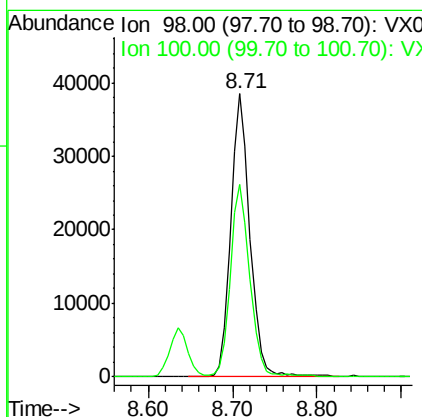
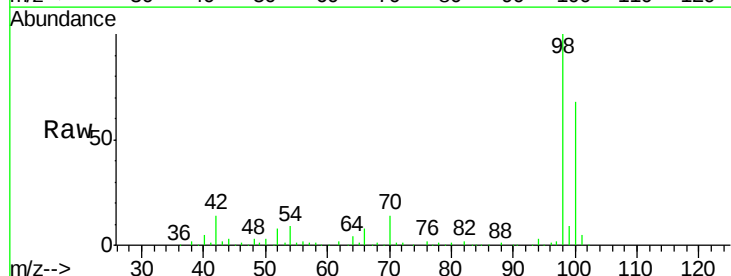
Manual Integrations
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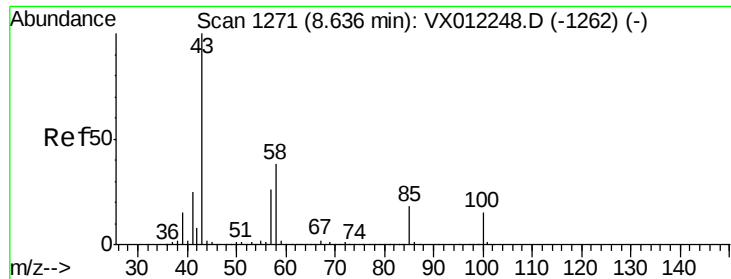
MMDadoda
9/12/2019 9:00:23 AM



#50
Toluene-d8
Concen: 8.865 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	54.1	81.1





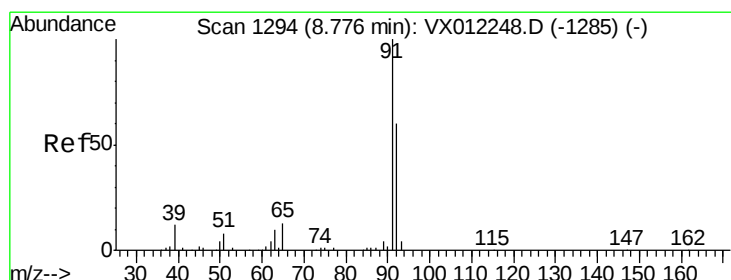
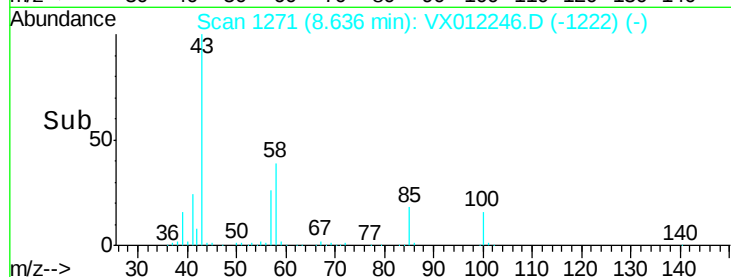
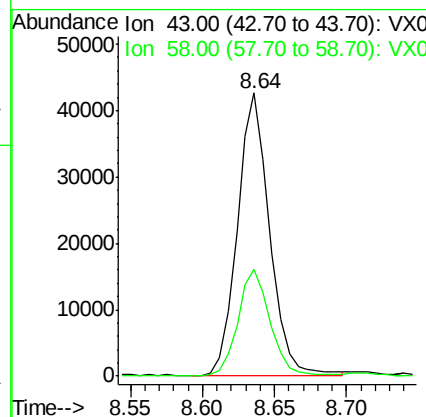
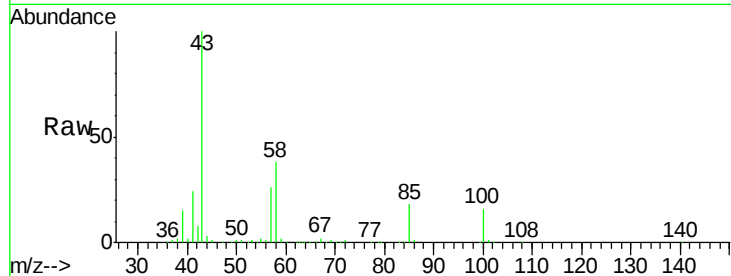
#51
4-Methyl-2-Pentanone
Concen: 41.922 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	43	58	Ratio	Lower	Upper
Resp:	65921				
Ion	43	58	100	30.1	45.1

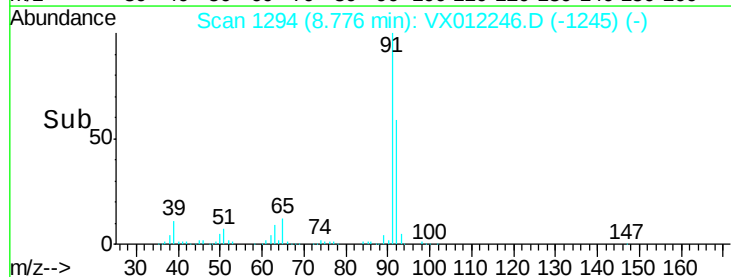
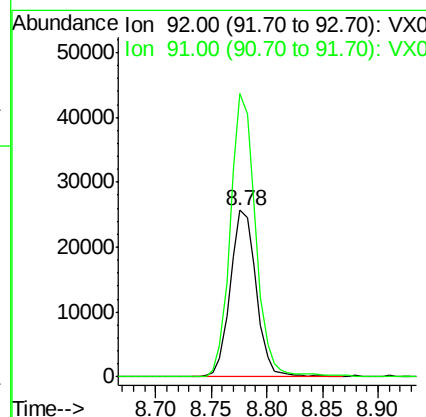
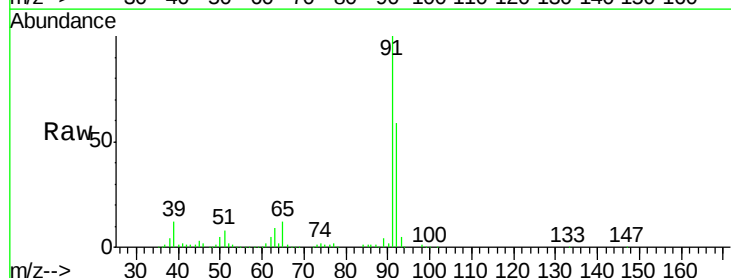
Manual Integrations
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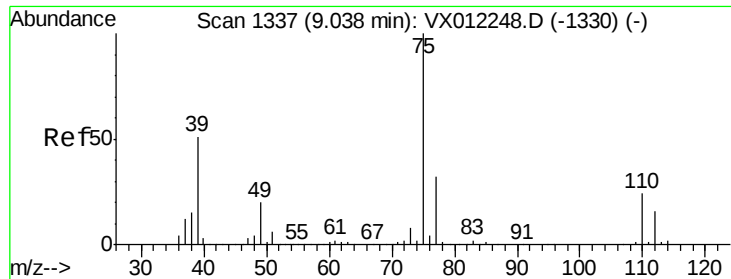
MMDadoda
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#52
Toluene
Concen: 9.345 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	92	91	Ratio	Lower	Upper
Resp:	41621				
Ion	92	91	100	133.6	200.4





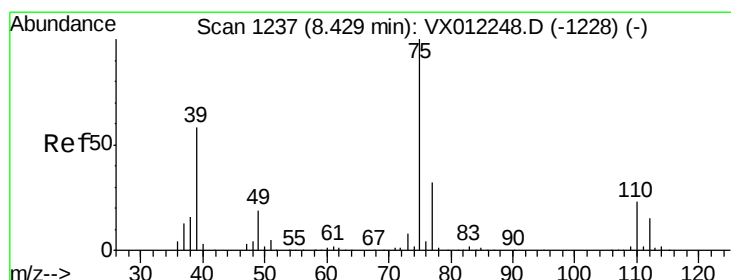
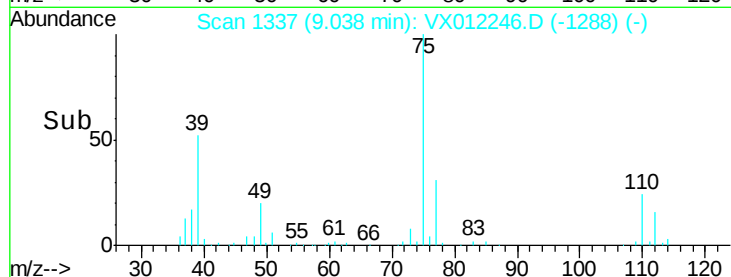
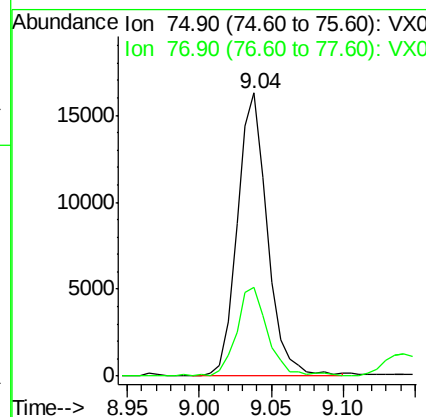
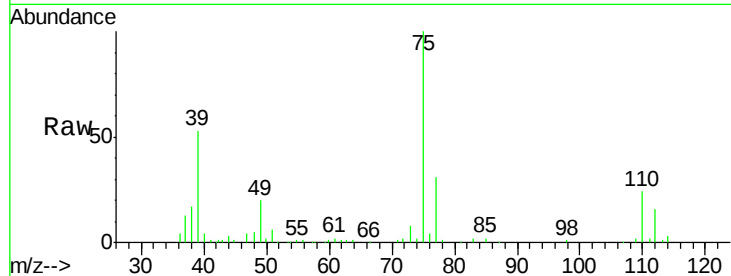
#53
t-1,3-Dichloropropene
Concen: 8.256 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
75	100	23715		
77	31.4	25.8	38.6	

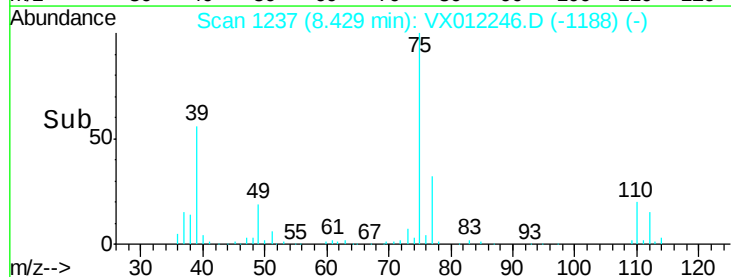
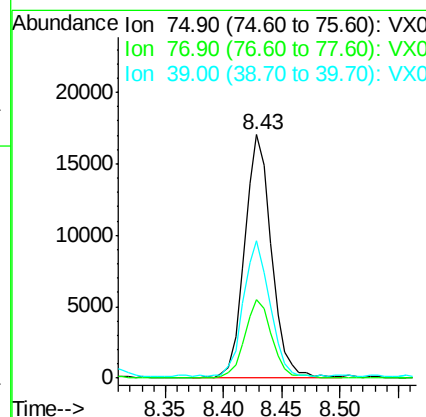
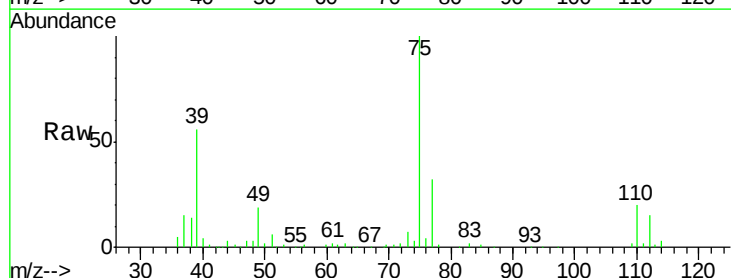
Manual Integrations
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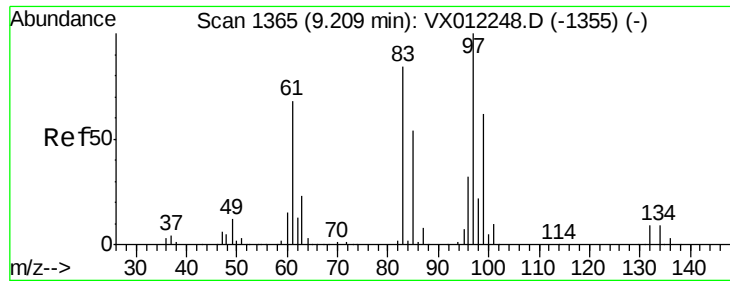
MMDadoda
9/12/2019 9:00:23 AM



#54
cis-1,3-Dichloropropene
Concen: 8.790 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27547		
77	32.0	25.4	38.2	
39	55.4	46.5	69.7	





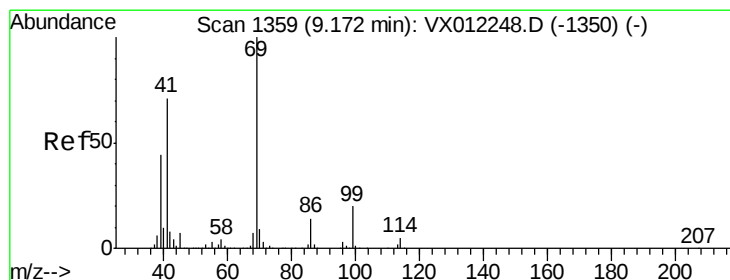
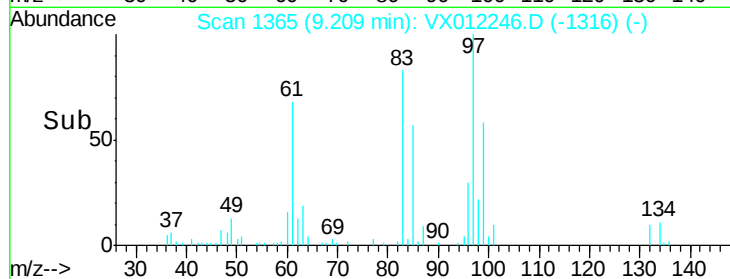
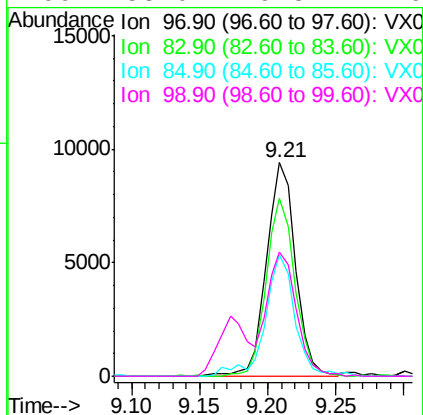
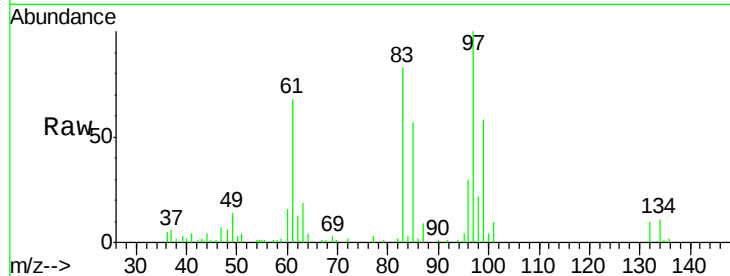
#55
 1,1,2-Trichloroethane
 Concen: 8.654 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	14138
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.2
85	57.2	43.4	65.2
99	58.0	49.8	74.6

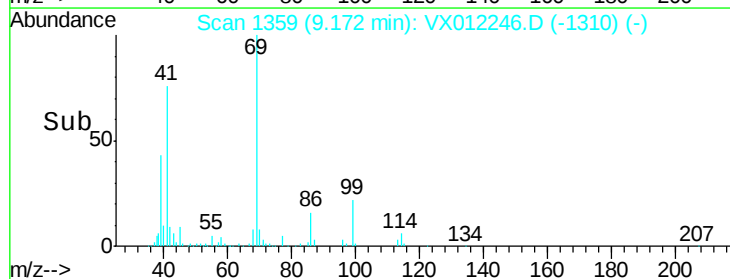
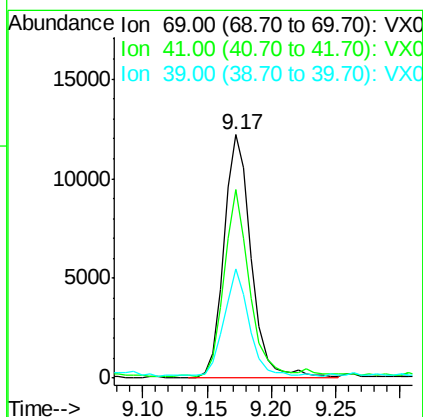
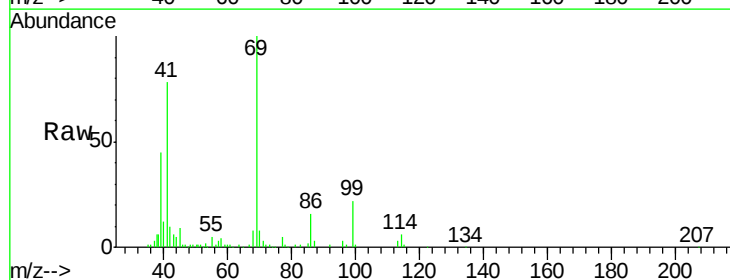
Manual Integrations
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 9/12/2019 9:00:23 AM



#56
 Ethyl methacrylate
 Concen: 8.023 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion:	69	Resp:	18324
Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.7	86.5
39	41.6	34.0	51.0





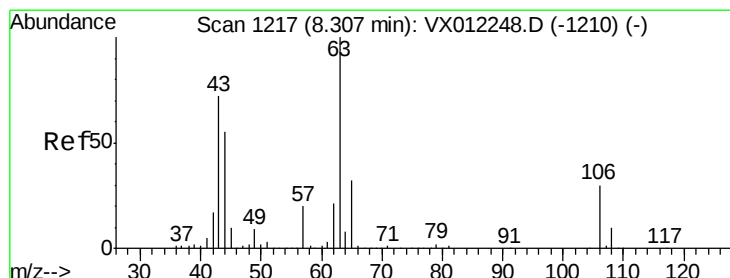
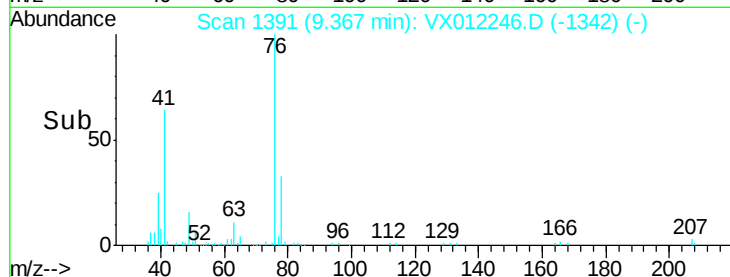
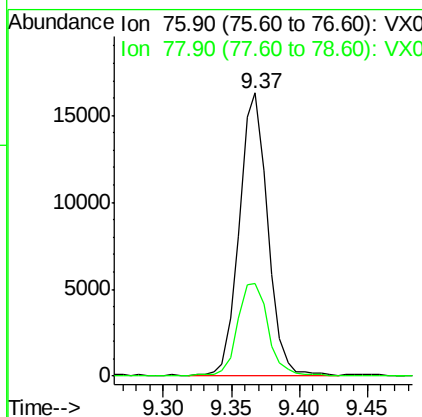
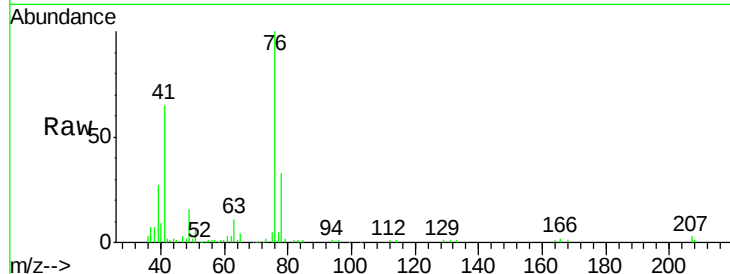
#57
 1,3-Dichloropropane
 Concen: 8.571 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.3	26.0	39.0

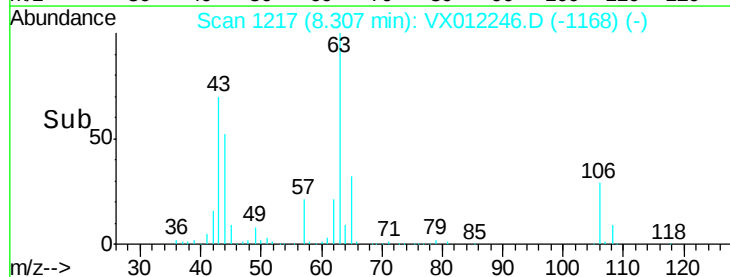
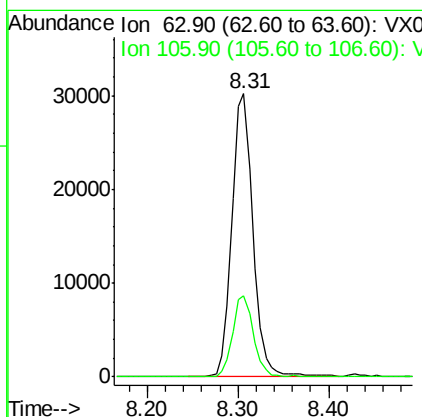
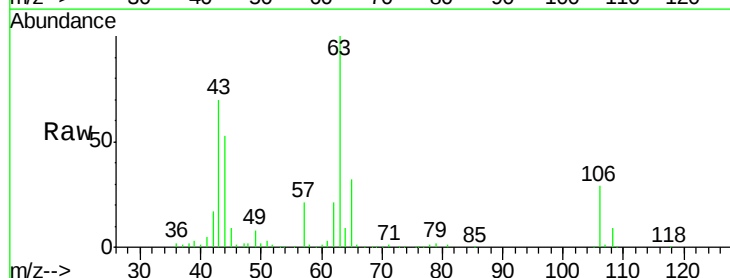
Manual Integrations
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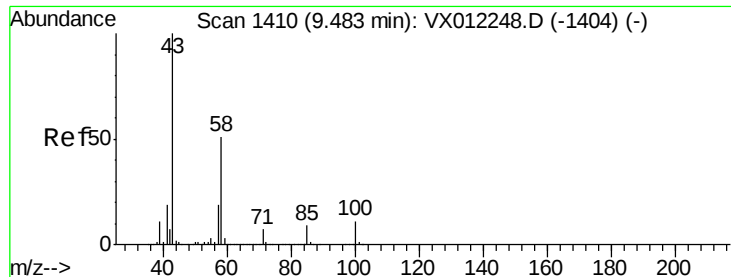
MMDadoda
 9/12/2019 9:00:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 45.017 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.4	35.2





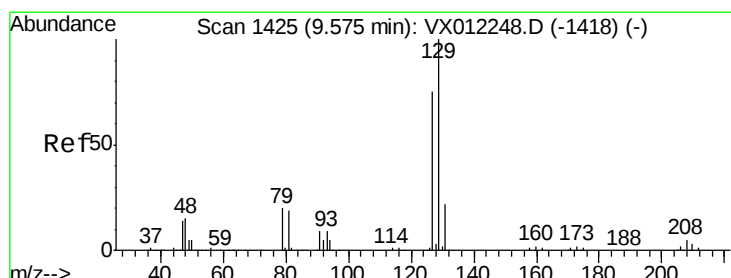
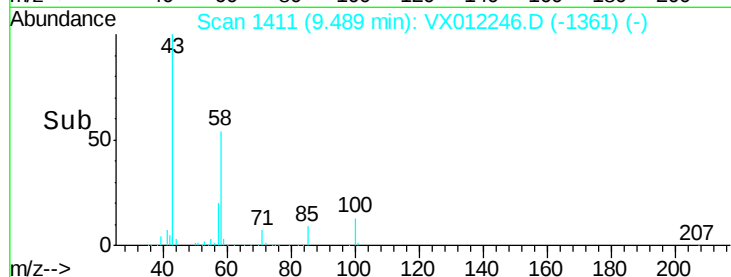
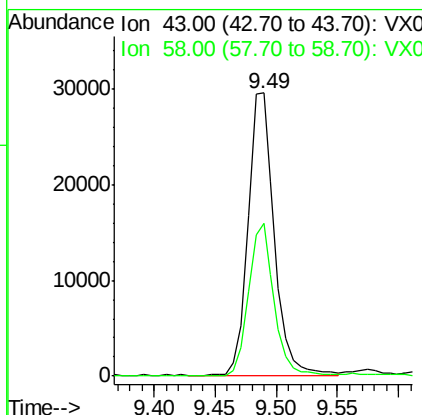
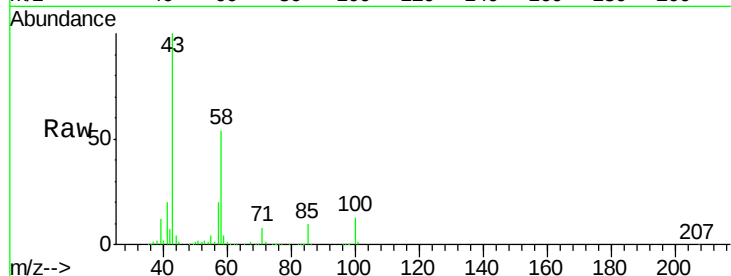
#59
2-Hexanone
Concen: 39.923 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 44602
Ion Ratio Lower Upper
43 100
58 52.2 25.8 77.3

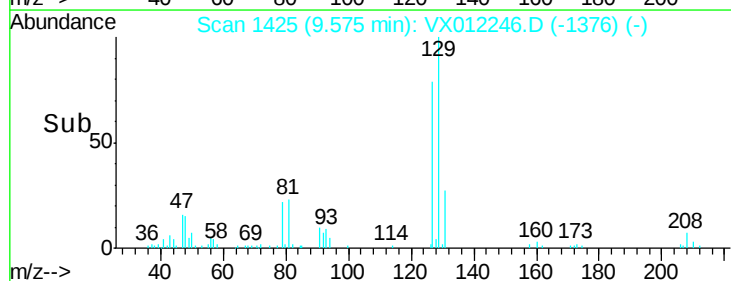
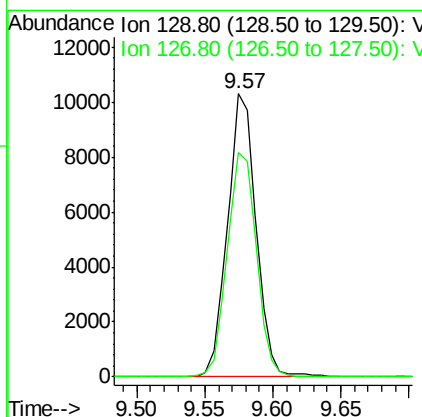
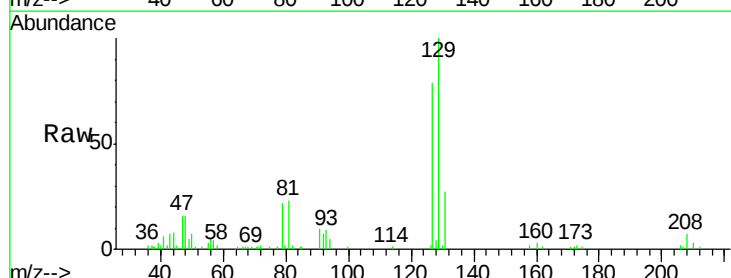
Manual Integrations
APPROVED

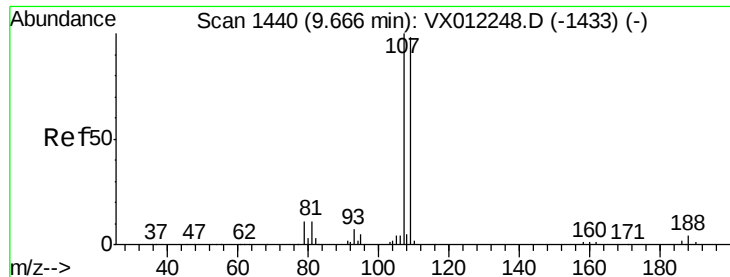
MMDadoda
9/12/2019 9:00:23 AM



#60
Dibromochloromethane
Concen: 7.758 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 129 Resp: 15032
Ion Ratio Lower Upper
129 100
127 81.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 8.454 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 12878

Ion Ratio Lower Upper

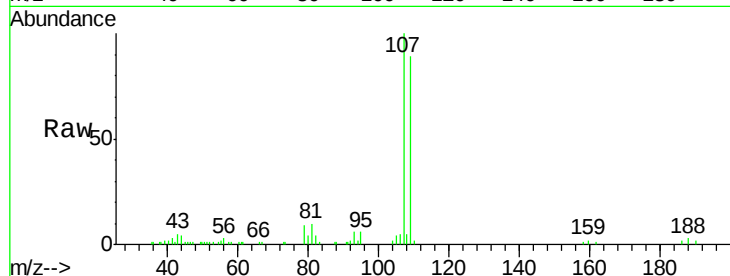
107 100

109 93.4 76.3 114.5

Manual Integrations
APPROVED

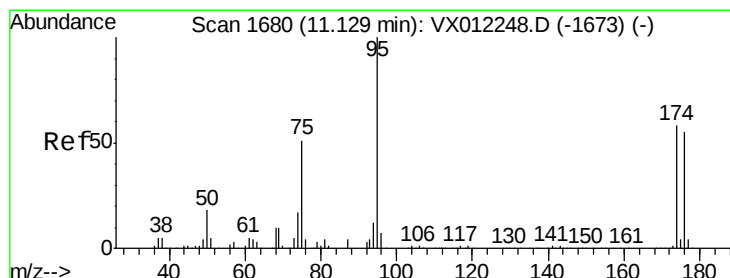
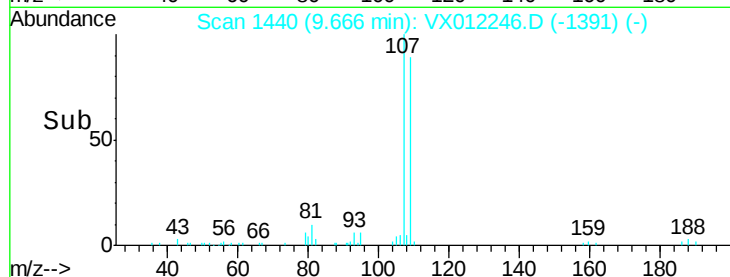
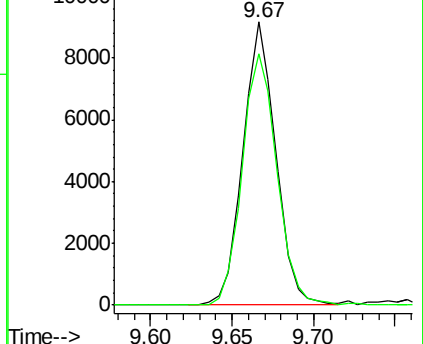
MMDadoda

9/12/2019 9:00:23 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.111 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

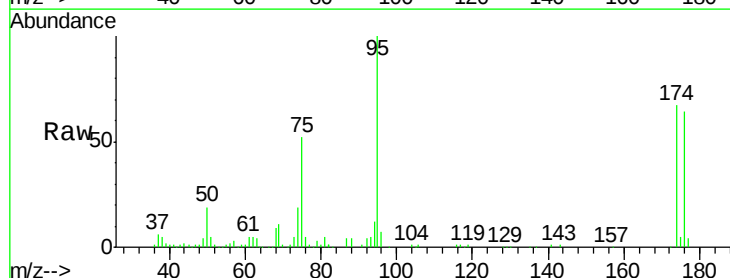
Tgt Ion: 95 Resp: 31597

Ion Ratio Lower Upper

95 100

174 63.7 0.0 127.0

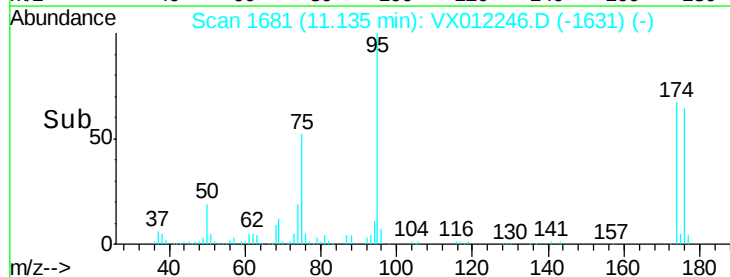
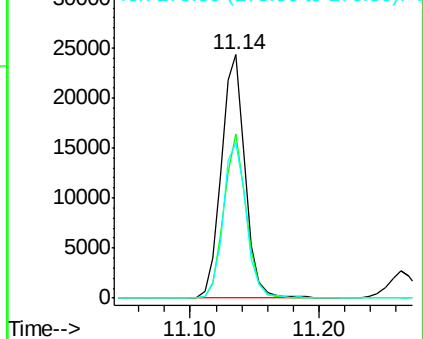
176 62.3 0.0 125.8

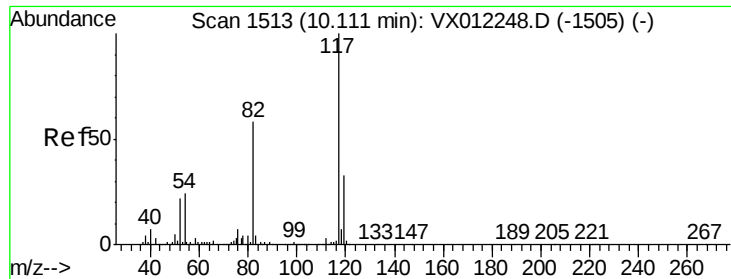


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





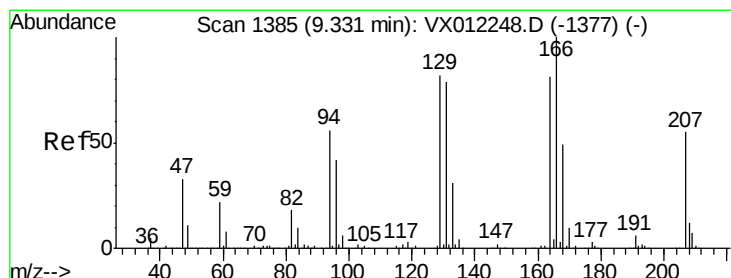
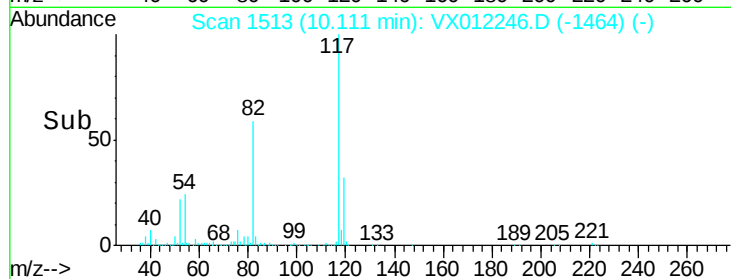
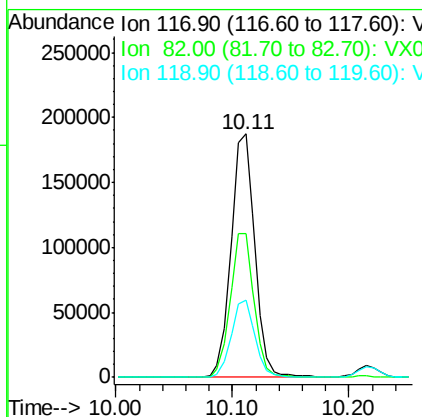
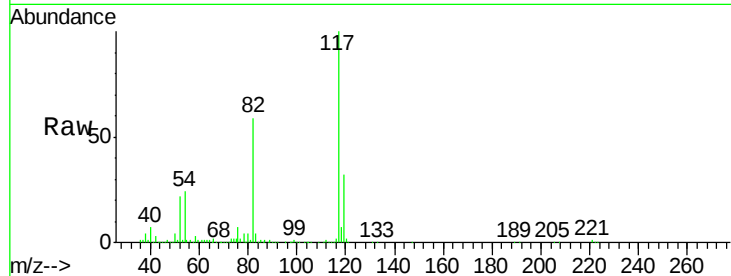
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.4	69.6
119	31.6	26.6	39.8

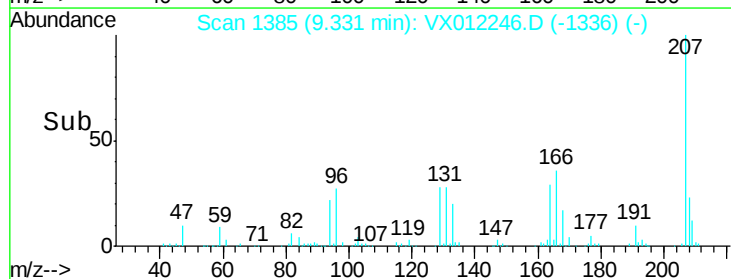
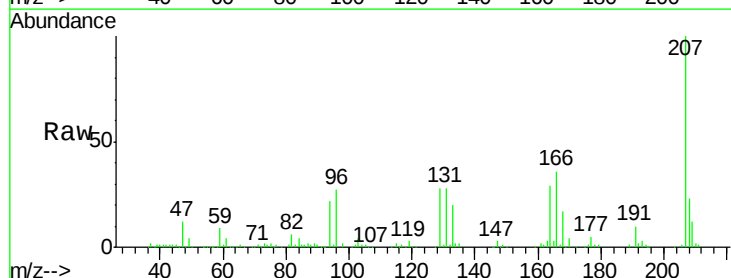
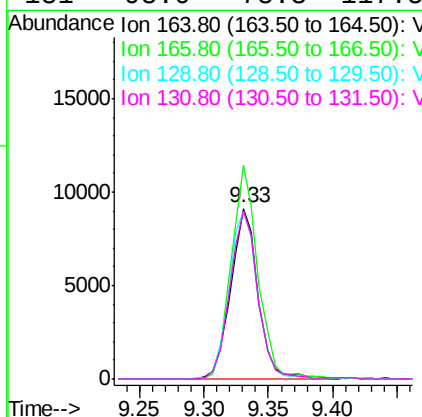
Manual Integrations
APPROVED

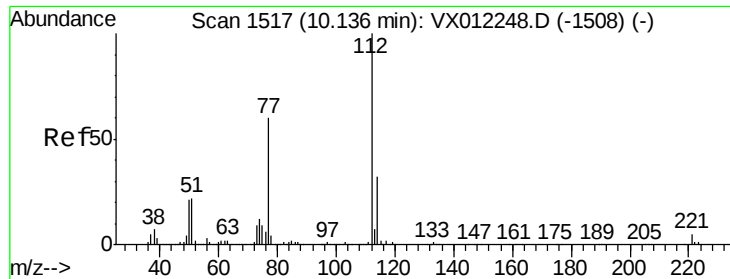
MMDadoda
9/12/2019 9:00:23 AM



#64
Tetrachloroethene
Concen: 9.175 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	99.4	149.0
129	98.2	81.8	122.8
131	98.0	78.3	117.5





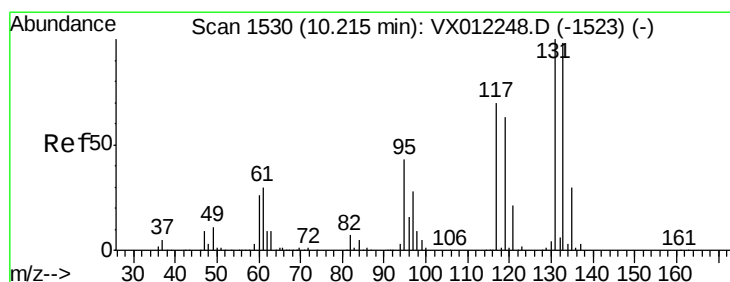
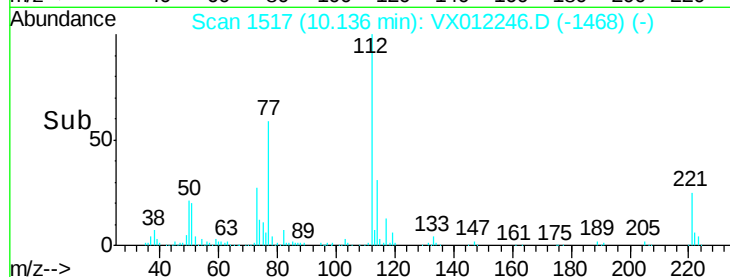
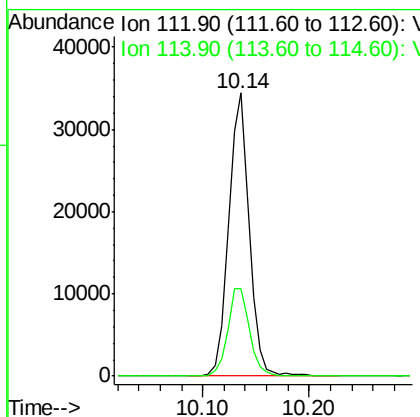
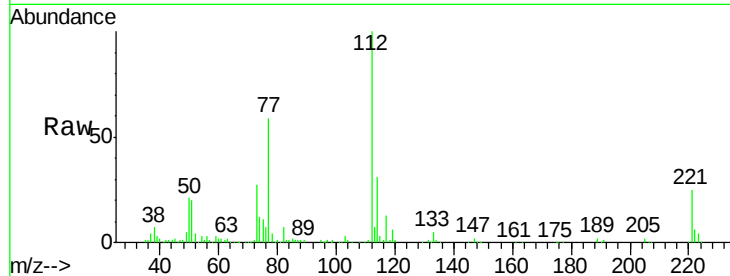
#65
Chlorobenzene
Concen: 8.726 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 46447
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.0

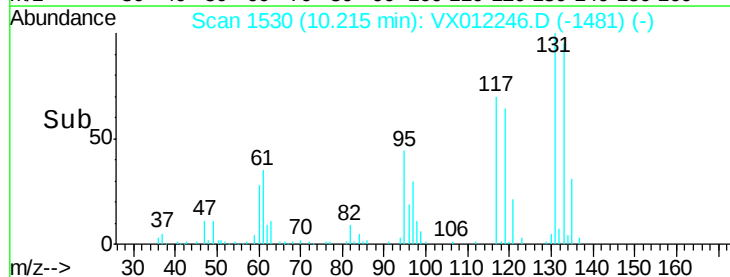
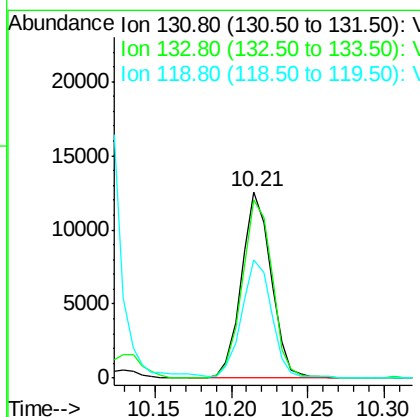
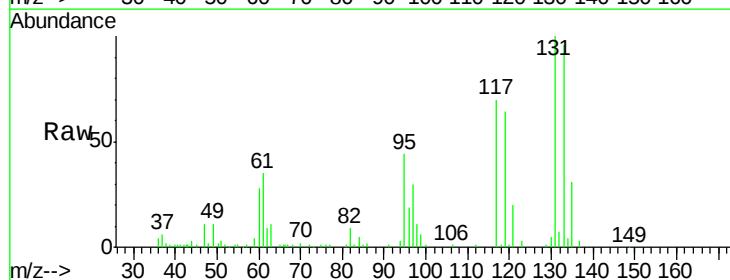
Manual Integrations
APPROVED

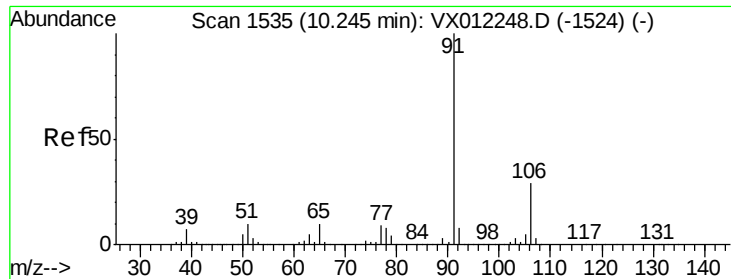
MMDadoda
9/12/2019 9:00:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 8.311 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion:131 Resp: 16938
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.2
119 64.7 31.6 95.0





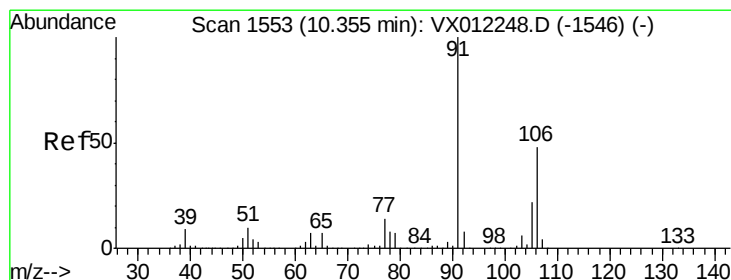
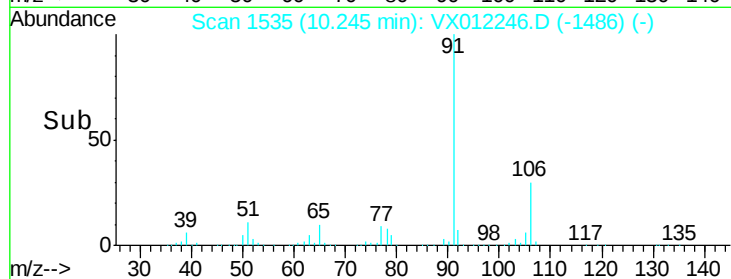
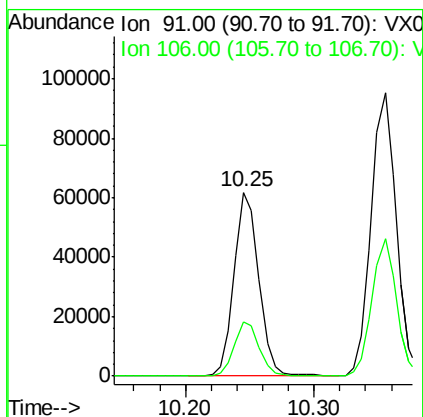
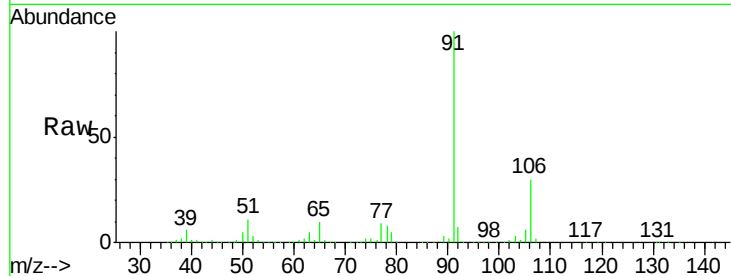
#67
Ethyl Benzene
Concen: 8.946 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 83520
Ion Ratio Lower Upper
91 100
106 29.6 23.1 34.7

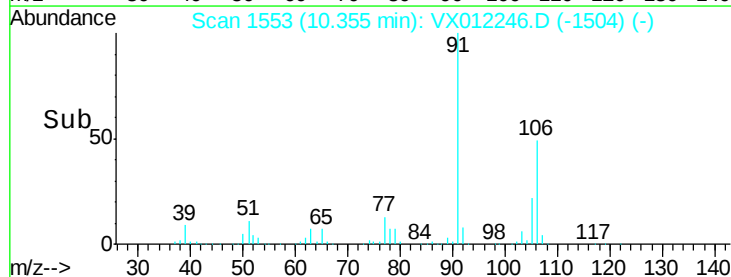
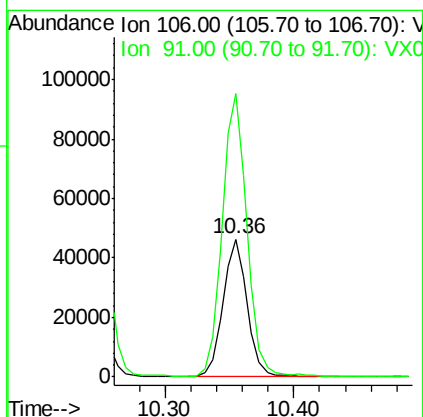
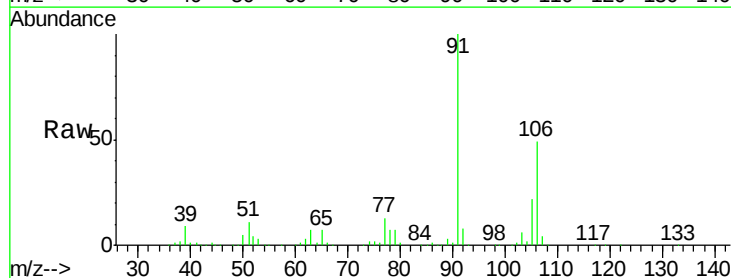
Manual Integrations
APPROVED

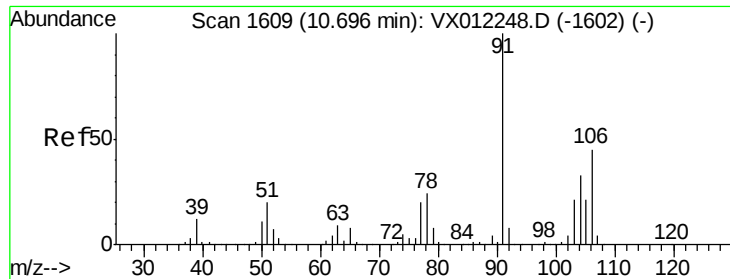
MMDadoda
9/12/2019 9:00:23 AM



#68
m/p-Xylenes
Concen: 17.729 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion: 106 Resp: 61046
Ion Ratio Lower Upper
106 100
91 211.8 167.0 250.6





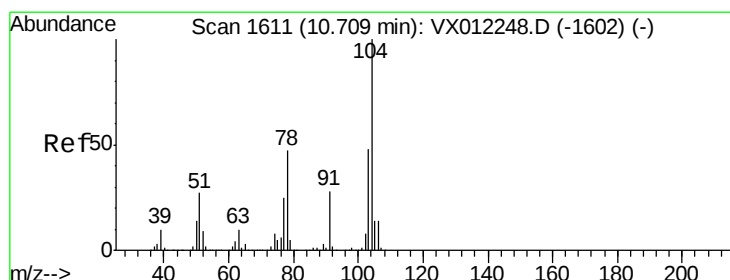
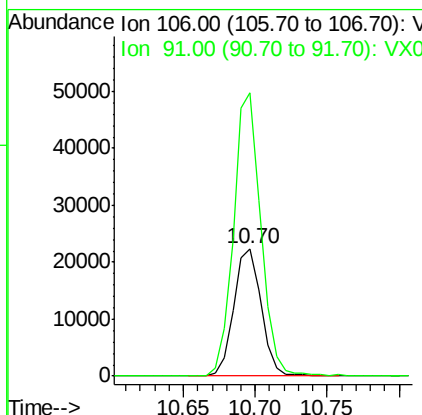
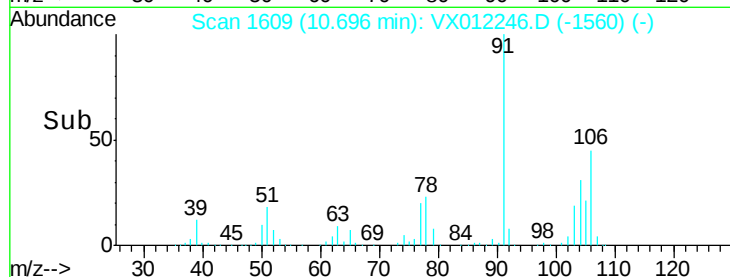
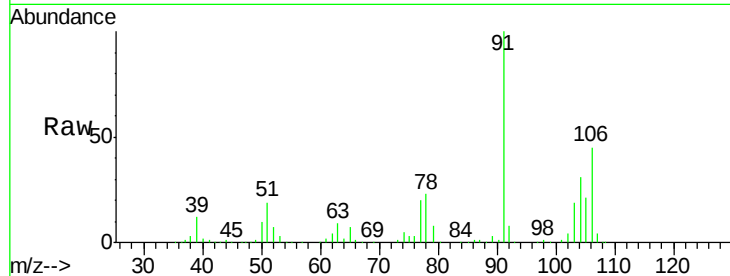
#69
o-Xylene
Concen: 8.925 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion:106 Resp: 29983
Ion Ratio Lower Upper
106 100
91 220.2 110.5 331.4

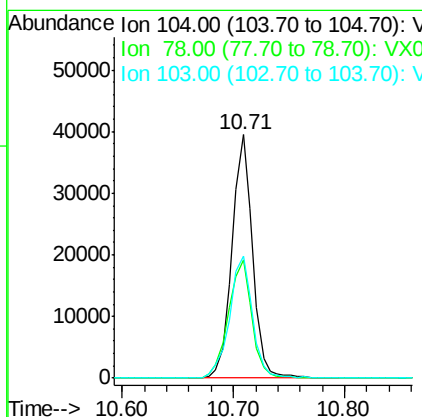
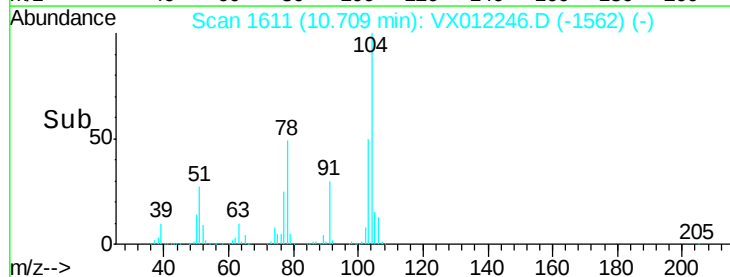
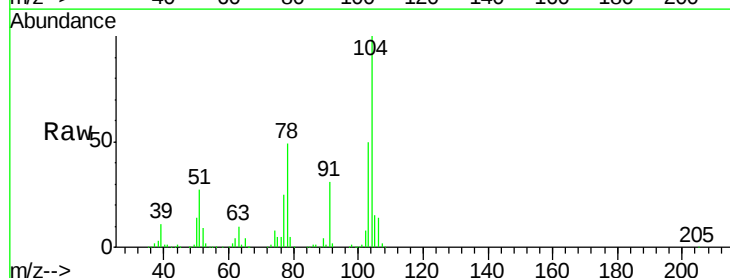
Manual Integrations
APPROVED

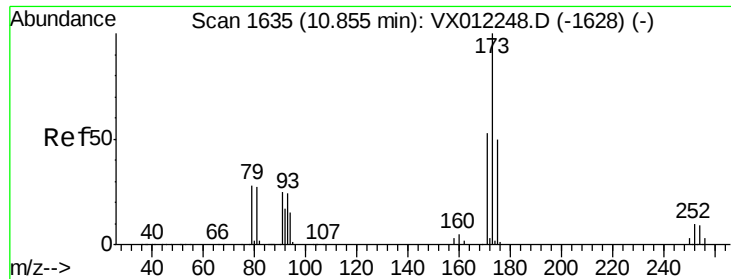
MMDadoda
9/12/2019 9:00:23 AM



#70
Styrene
Concen: 8.313 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion:104 Resp: 50220
Ion Ratio Lower Upper
104 100
78 56.0 44.2 66.2
103 56.0 42.5 63.7





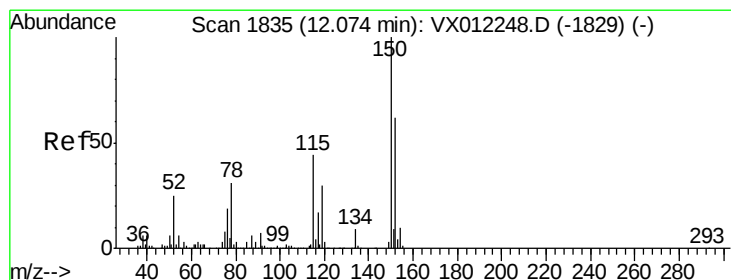
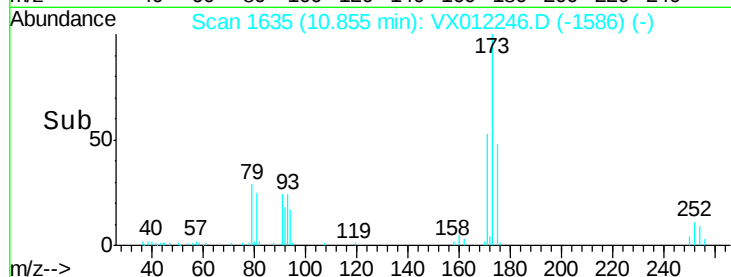
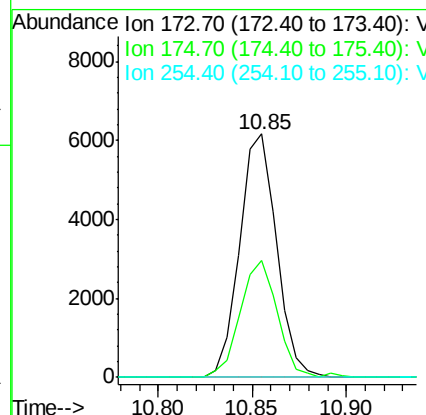
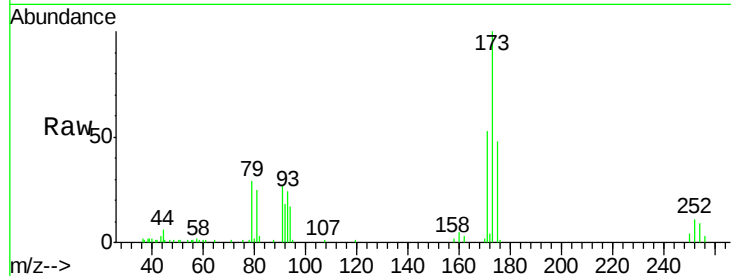
#71
Bromoform
Concen: 7.862 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.5	73.5
254	0.0	0.2	0.4

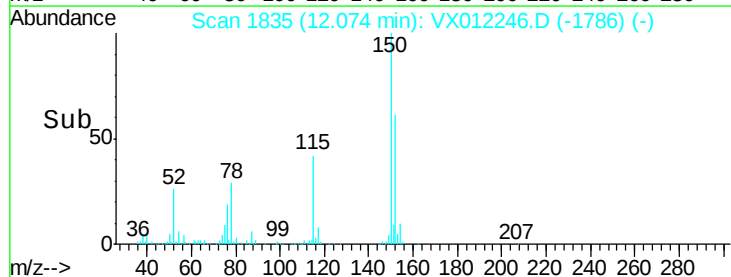
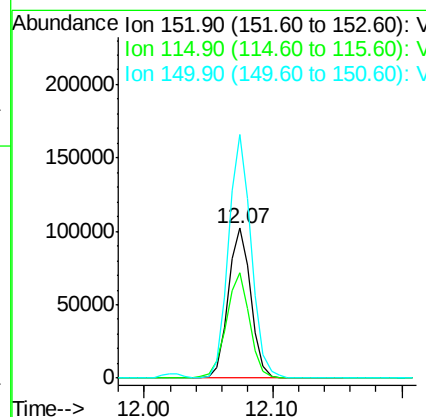
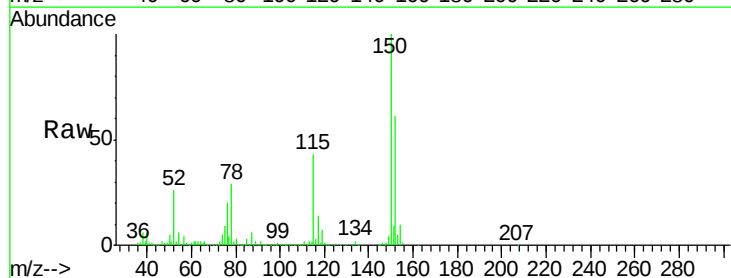
Manual Integrations
APPROVED

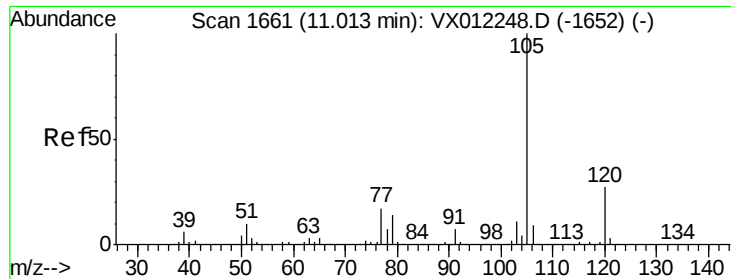
MMDadoda
9/12/2019 9:00:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.9	45.5	136.4
150	164.0	0.0	346.4





#73

Isopropylbenzene

Concen: 9.275 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 83649

Ion Ratio Lower Upper

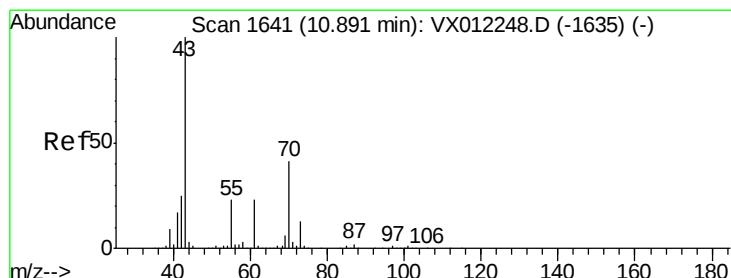
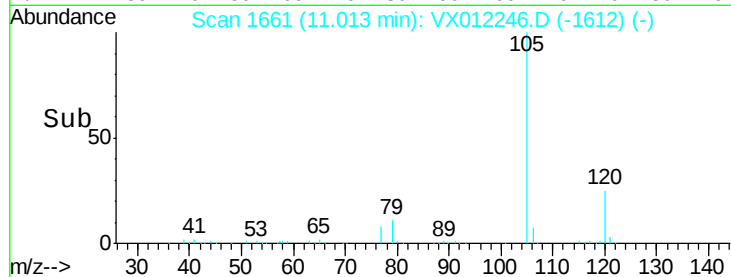
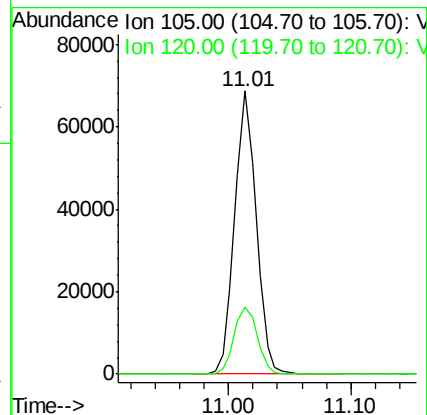
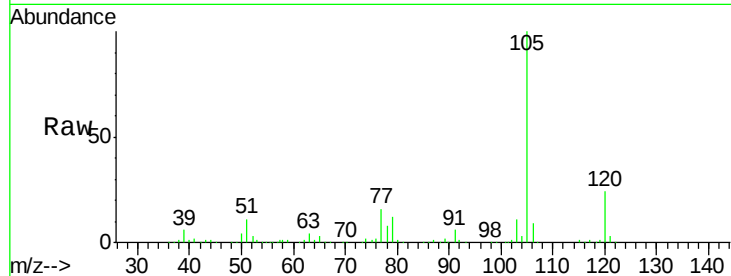
105 100

120 25.6 13.2 39.5

Manual Integrations
APPROVED

MMDadoda

9/12/2019 9:00:23 AM



#74

N-ethyl acetate

Concen: 7.661 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion: 43 Resp: 22108

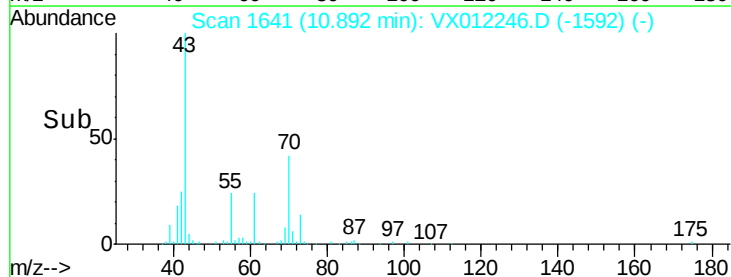
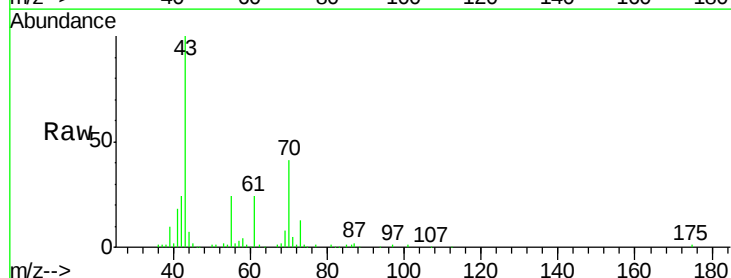
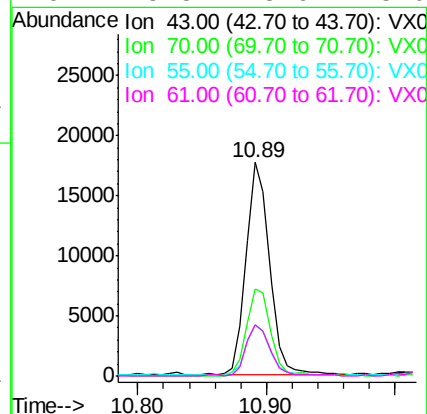
Ion Ratio Lower Upper

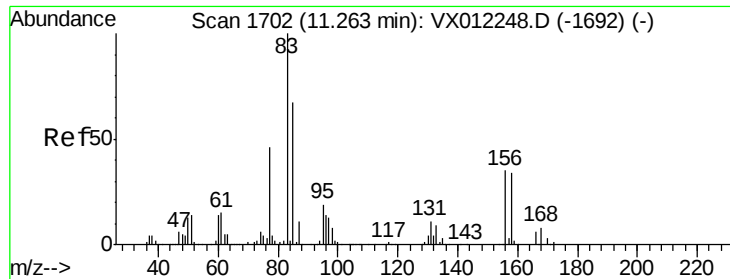
43 100

70 42.8 32.9 49.3

55 26.5 19.1 28.7

61 25.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 8.441 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 17110

Ion Ratio Lower Upper

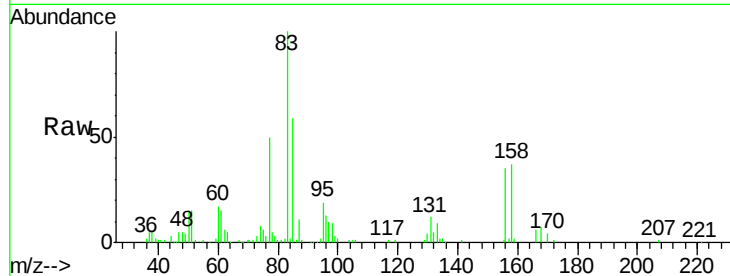
83 100

131 11.4 5.5 16.4

85 64.8 32.8 98.4

Manual Integrations
APPROVED

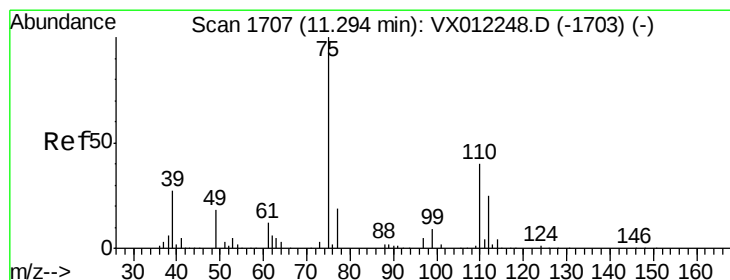
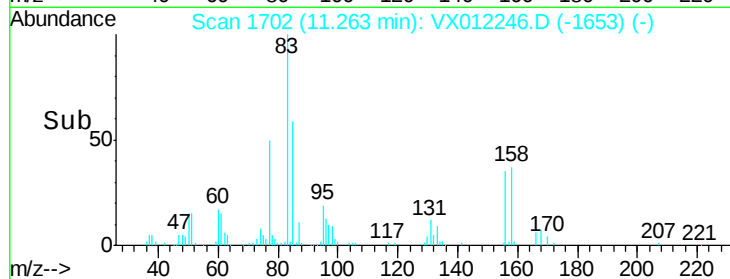
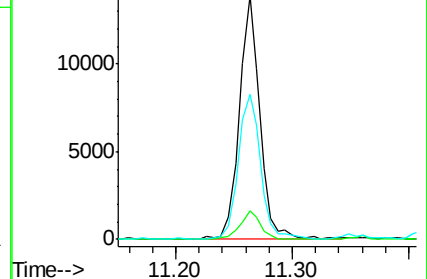
MMDadoda
9/12/2019 9:00:23 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 8.451 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012246.D

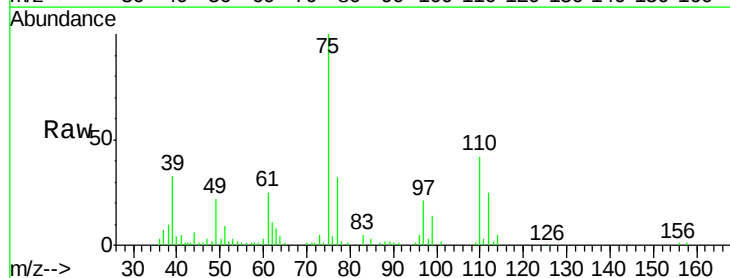
Acq: 10 Sep 2019 09:34

Tgt Ion: 75 Resp: 14857

Ion Ratio Lower Upper

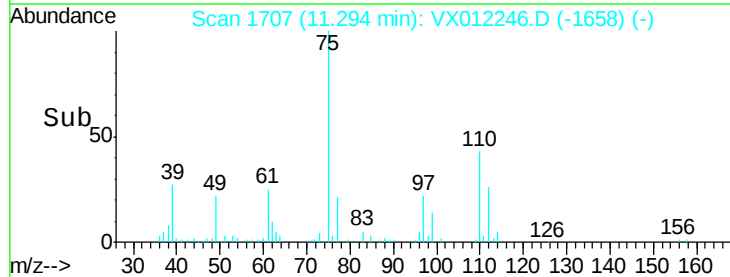
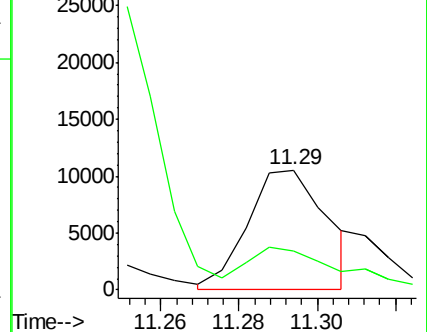
75 100

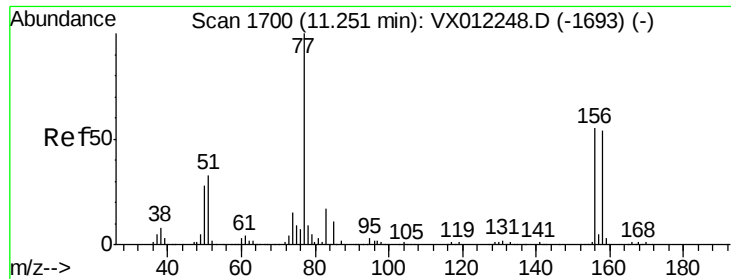
77 41.4 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 8.810 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

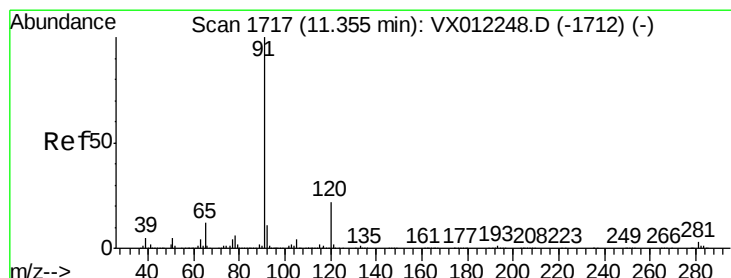
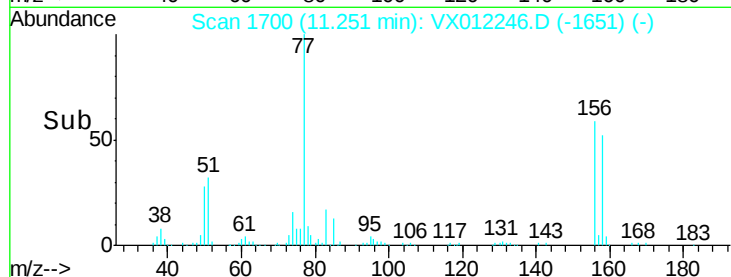
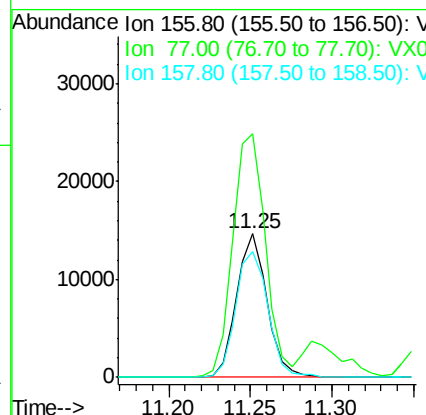
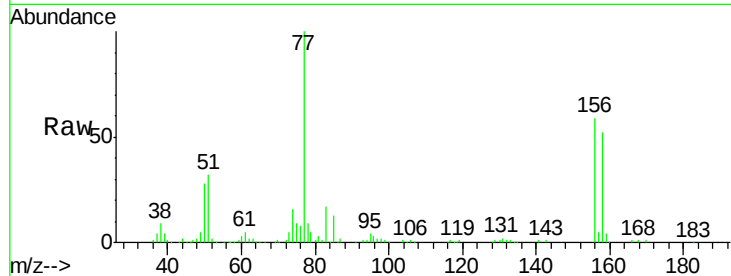
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	18991
Ion Ratio	Lower	Upper	
156	100		
77	182.1	92.2	276.6
158	93.4	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 9.091 ug/l

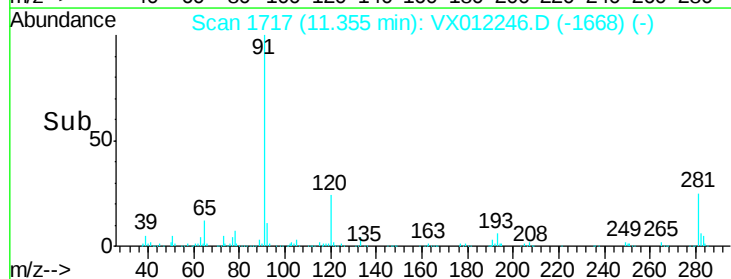
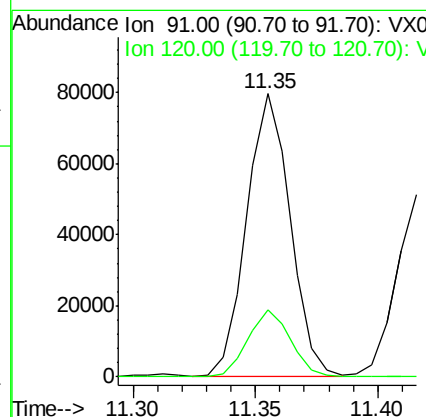
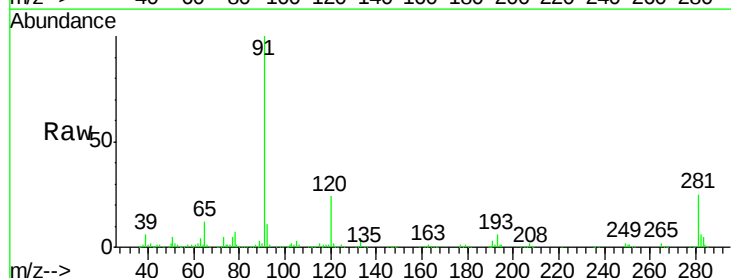
RT: 11.35 min Scan# 1717

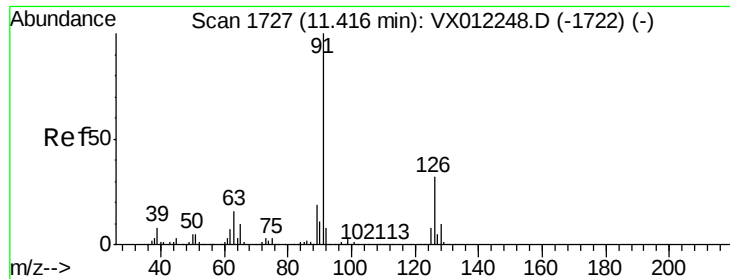
Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion:	91	Resp:	98672
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.2	33.6





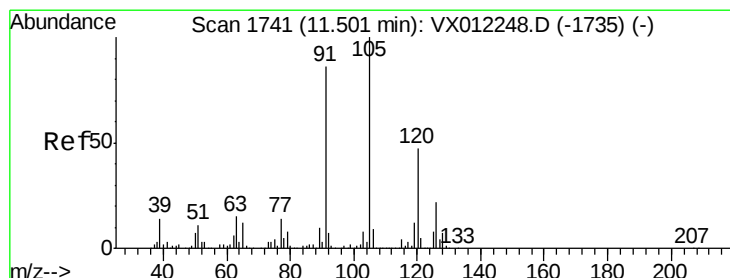
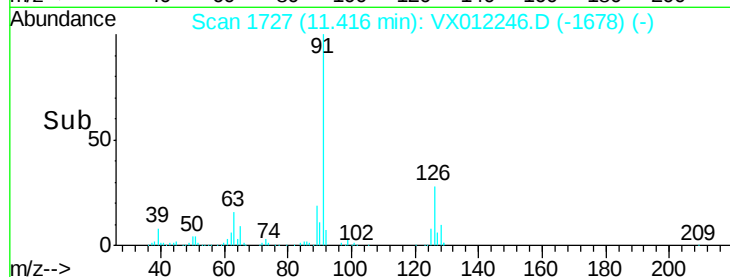
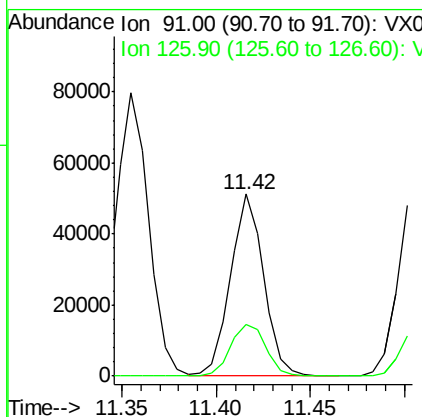
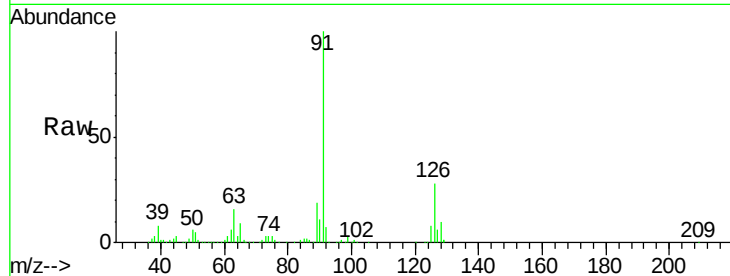
#79
 2-Chlorotoluene
 Concen: 9.160 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion: 91 Resp: 62056
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.9 47.7

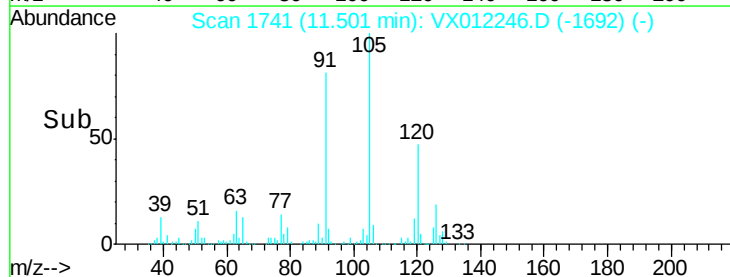
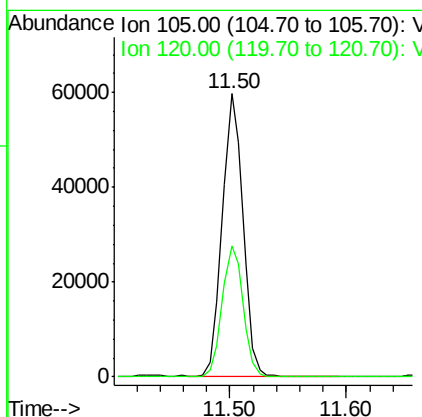
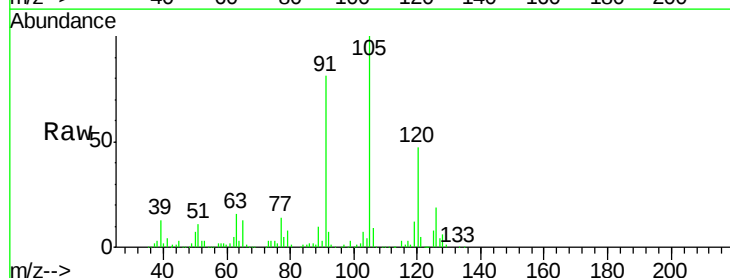
Manual Integrations
 APPROVED

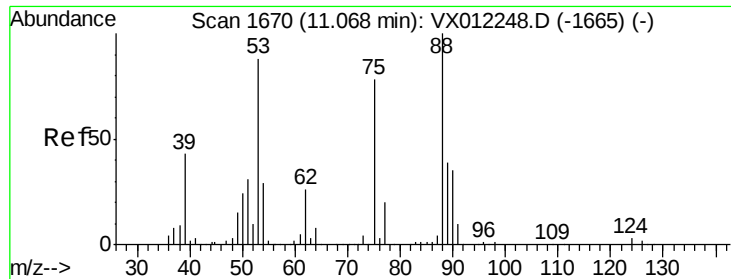
MMDadoda
 9/12/2019 9:00:23 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 9.035 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion: 105 Resp: 73753
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.7 71.1





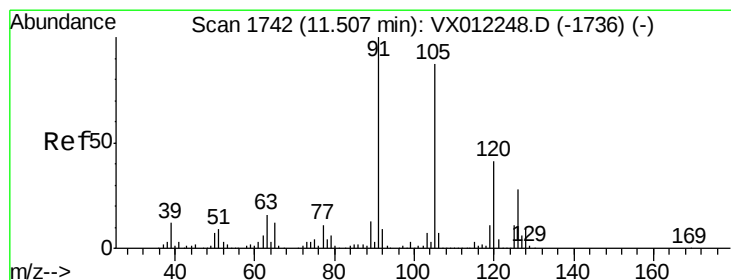
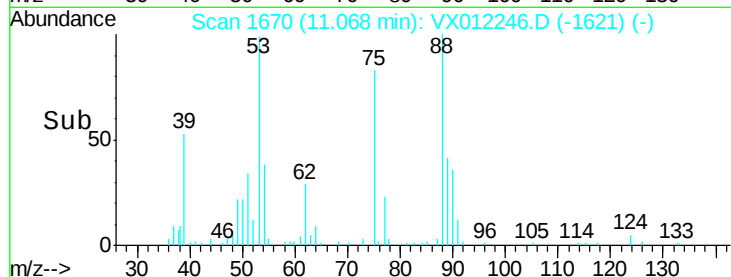
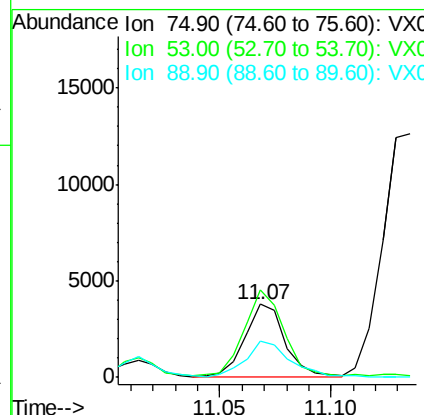
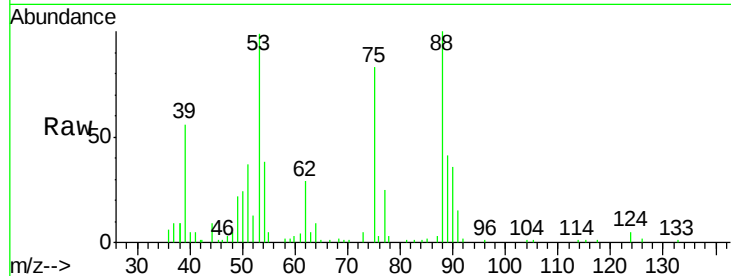
#81
trans-1,4-Dichloro-2-butene
Concen: 7.372 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.5	88.1	132.1
89	56.9	43.5	65.3

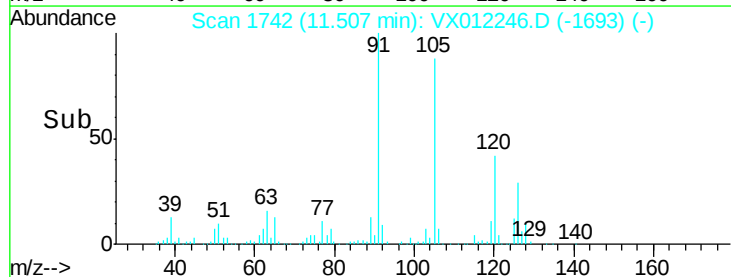
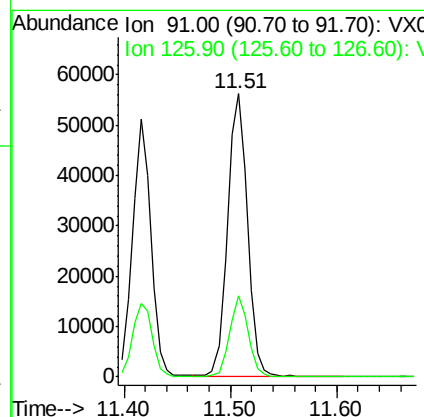
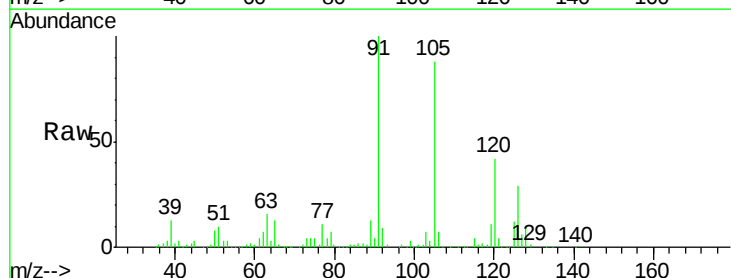
Manual Integrations
APPROVED

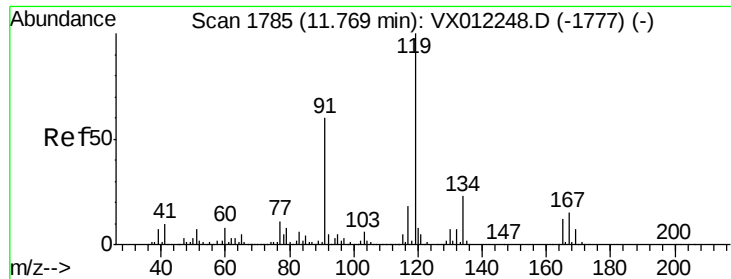
MMDadoda
9/12/2019 9:00:23 AM



#82
4-Chlorotoluene
Concen: 8.888 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.9	14.0	42.0





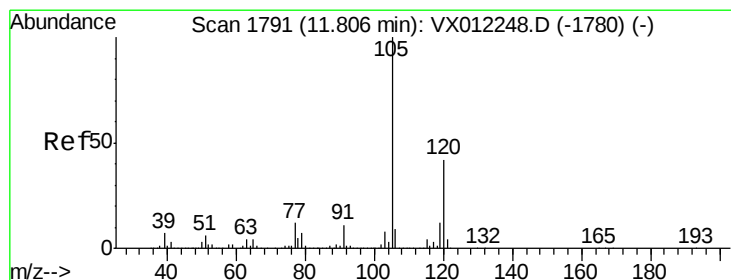
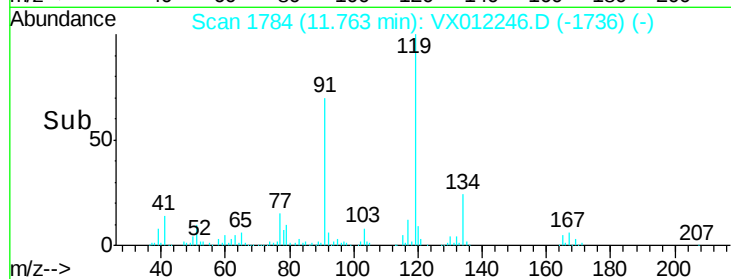
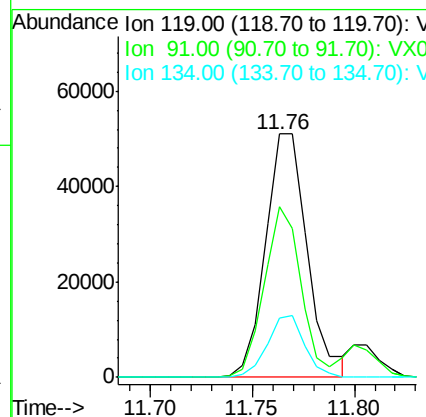
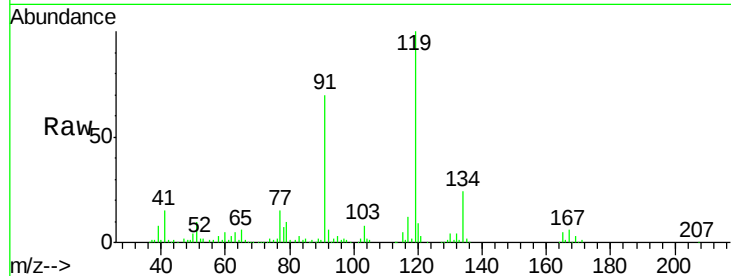
#83
tert-Butylbenzene
Concen: 9.224 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.9	92.8
134	22.8	11.2	33.6

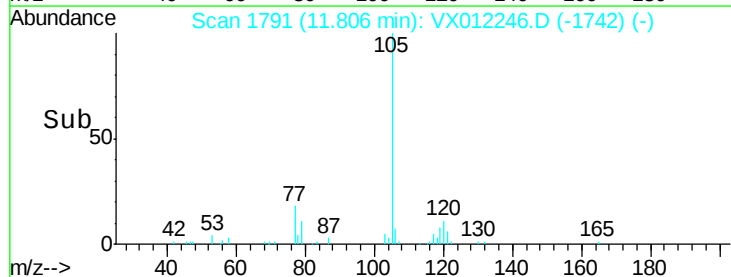
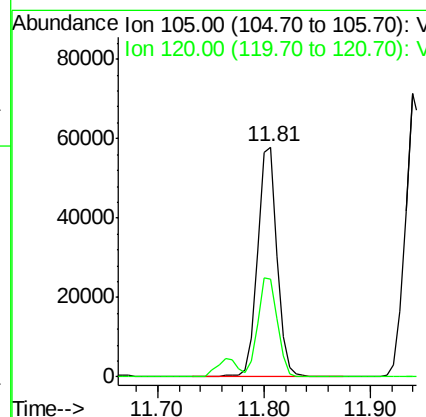
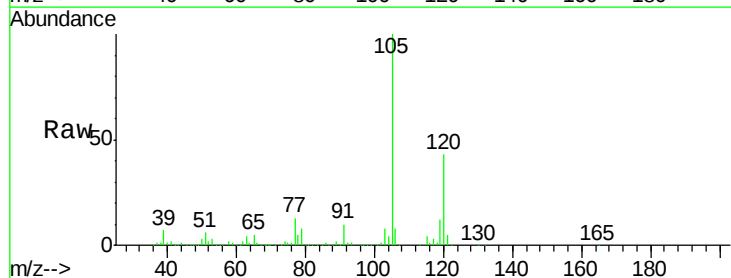
Manual Integrations
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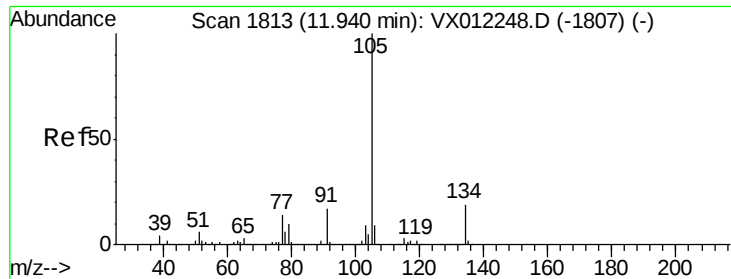
MMDadoda
9/12/2019 9:00:23 AM



#84
1,2,4-Trimethylbenzene
Concen: 8.829 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.3	63.9





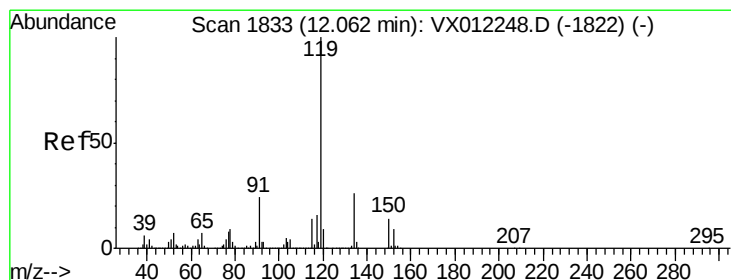
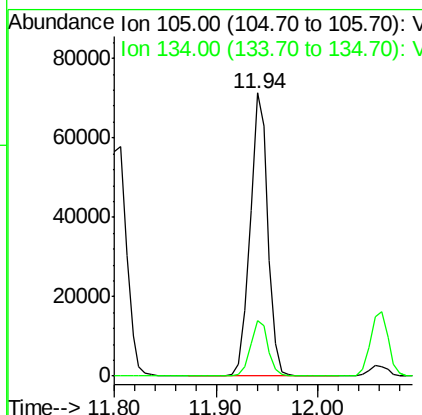
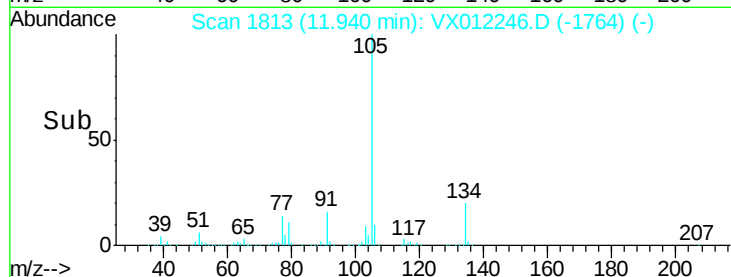
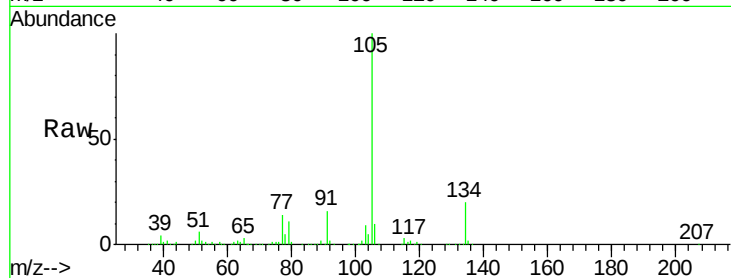
#85
 sec-Butylbenzene
 Concen: 9.291 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.9	29.7

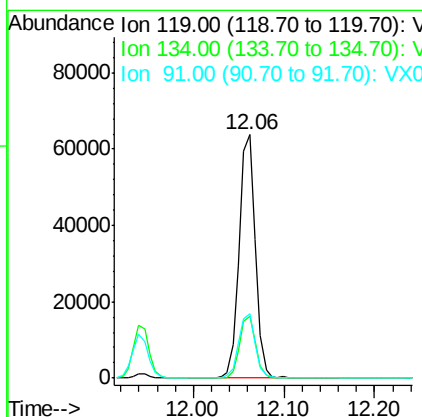
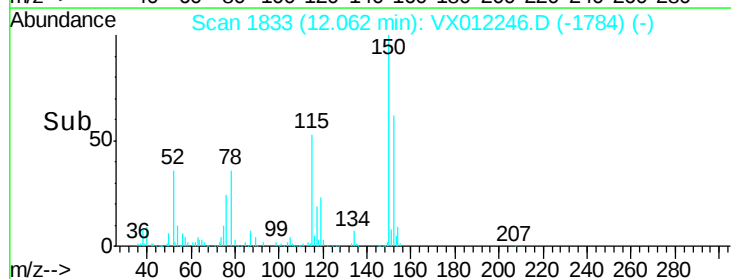
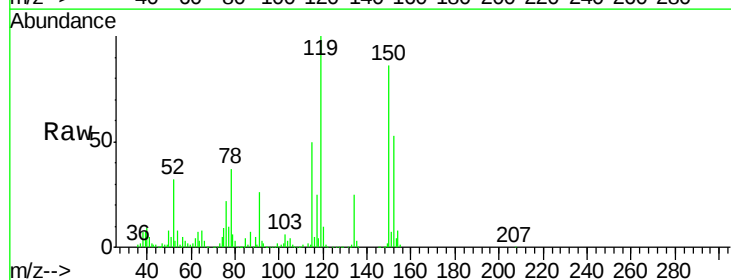
Manual Integrations
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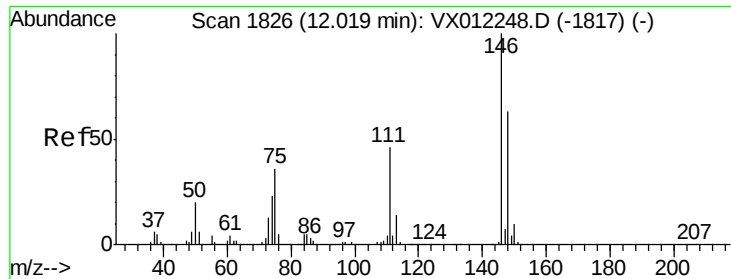
MMDadoda
 9/12/2019 9:00:23 AM



#86
 p-Isopropyltoluene
 Concen: 9.129 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.7
91	27.4	13.1	39.1





#87

1,3-Dichlorobenzene

Concen: 8.894 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

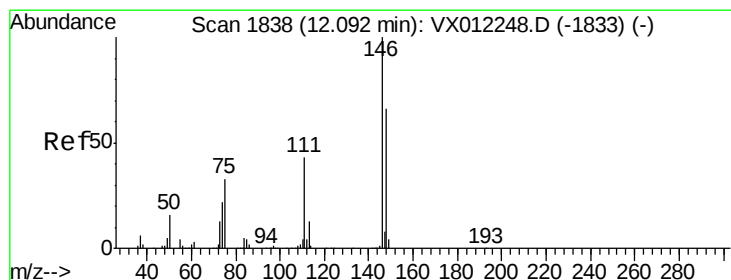
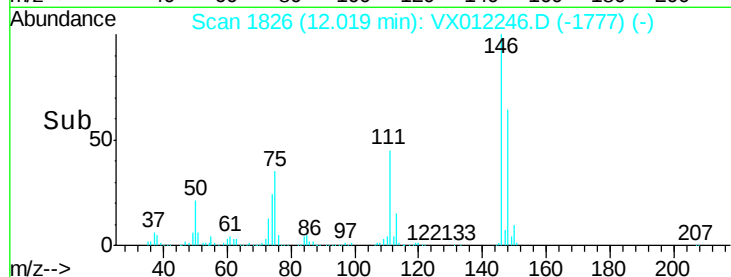
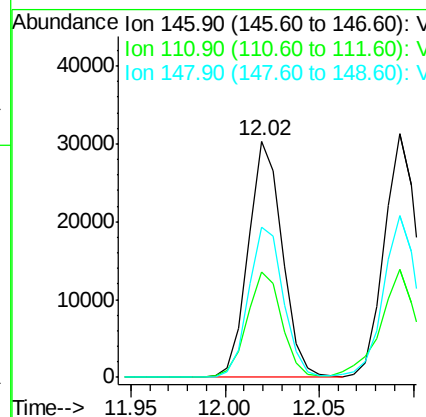
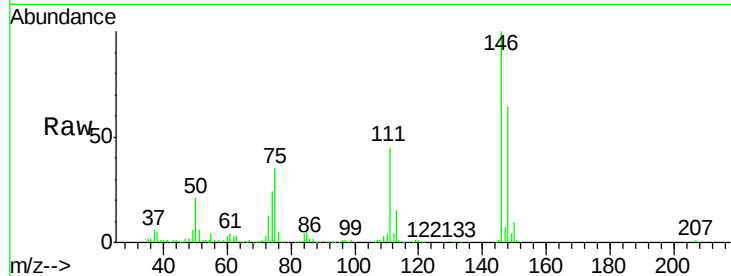
ClientSampled :

VSTDIC010

Tot Ion:	146	Resp:	38020
Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.3	66.8
148	64.7	31.5	94.5

Manual Integrations
APPROVED

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9/12/2019 9:00:23 AM



#88

1,4-Dichlorobenzene

Concen: 8.953 ug/l

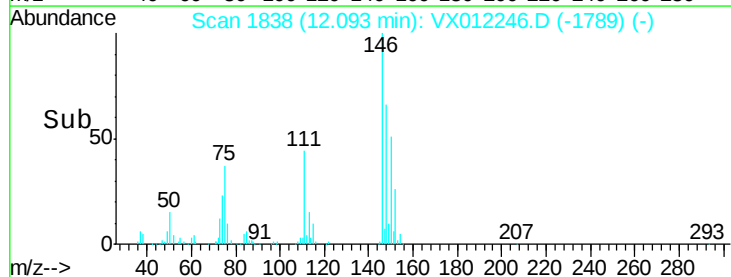
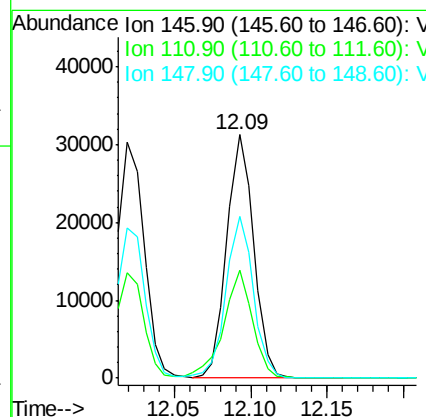
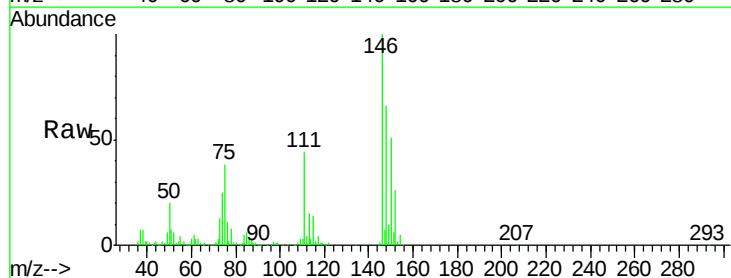
RT: 12.09 min Scan# 1838

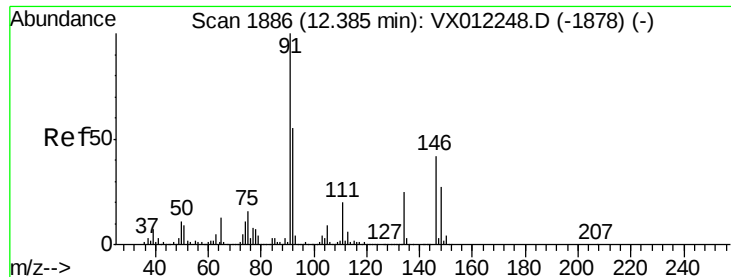
Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion:	146	Resp:	38381
Ion	Ratio	Lower	Upper
146	100		
111	47.6	21.6	64.8
148	67.5	32.4	97.2





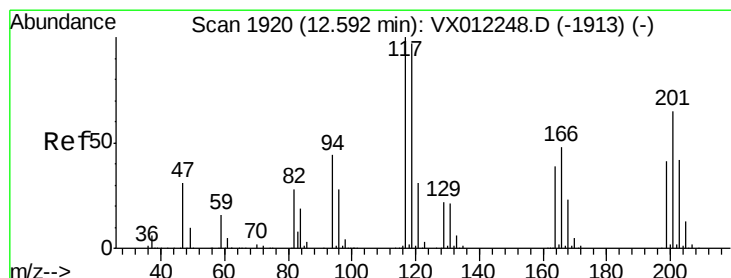
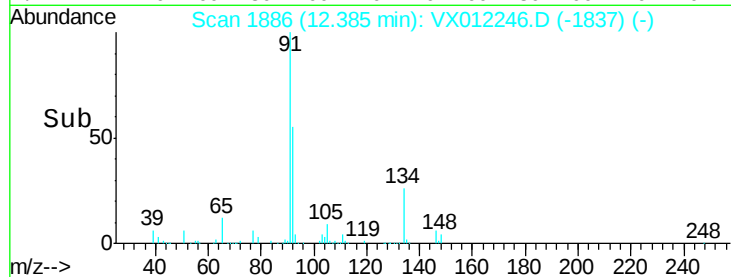
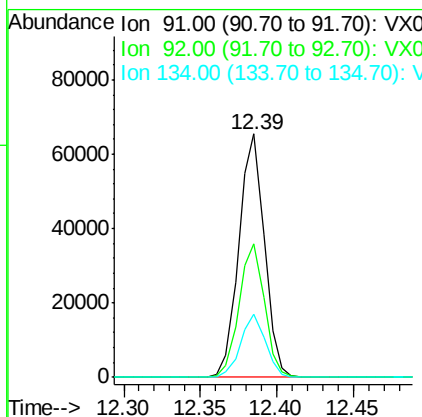
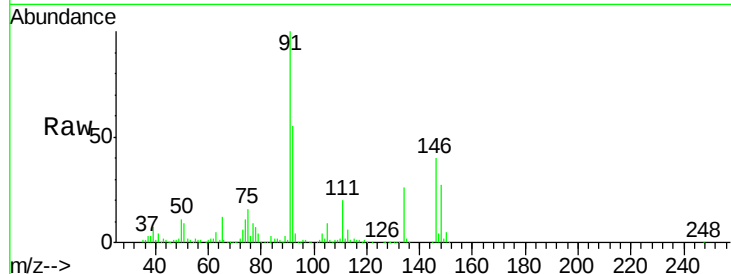
#89
n-Butylbenzene
Concen: 9.194 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.1	12.5	37.5

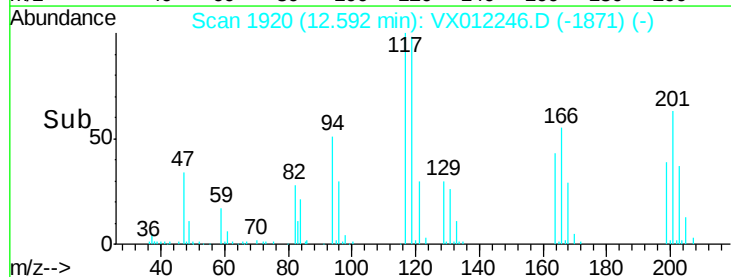
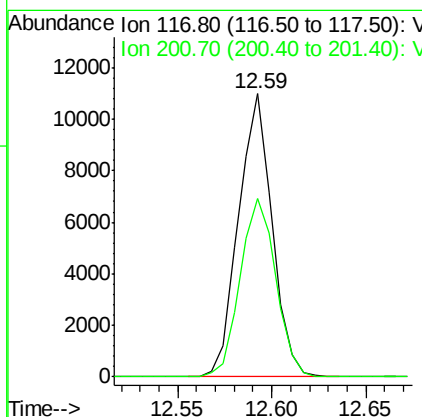
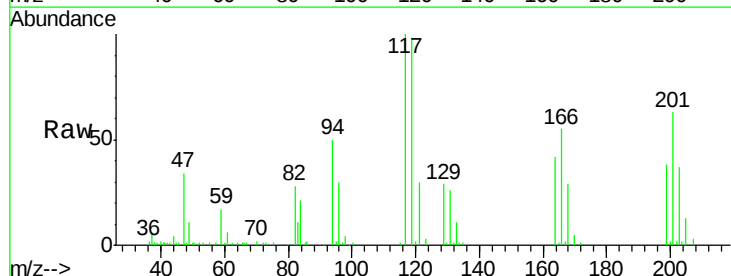
Manual Integrations
APPROVED

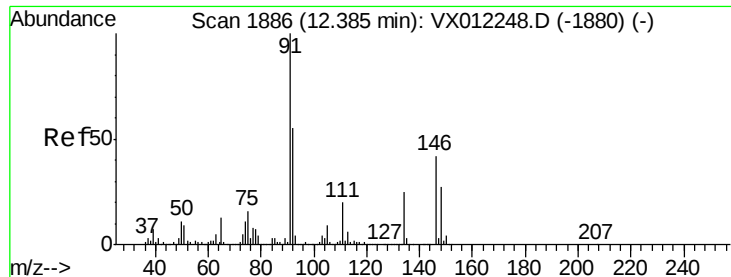
MMDadoda
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#90
Hexachloroethane
Concen: 8.566 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012246.D
Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.8	32.2	96.6





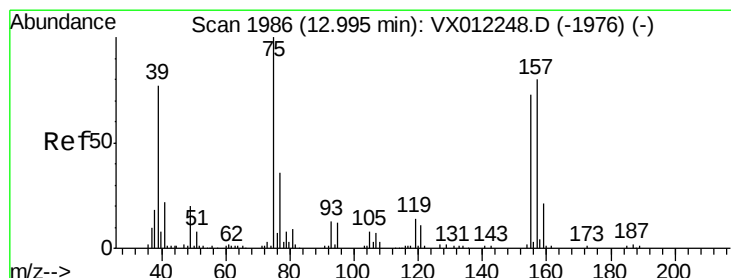
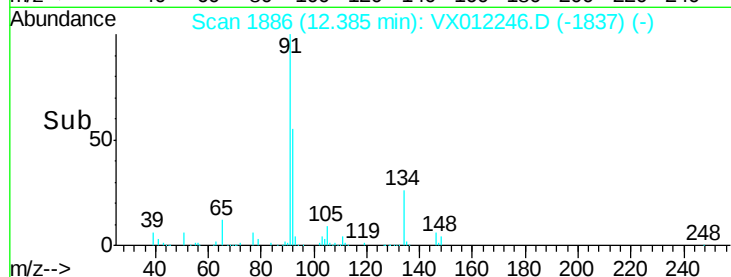
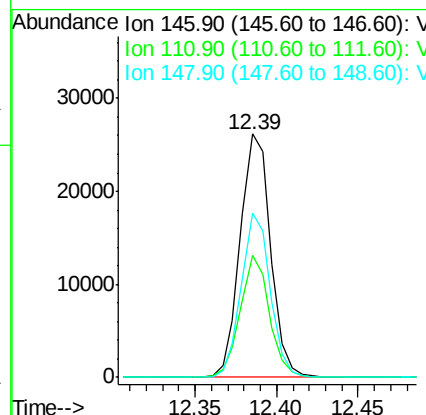
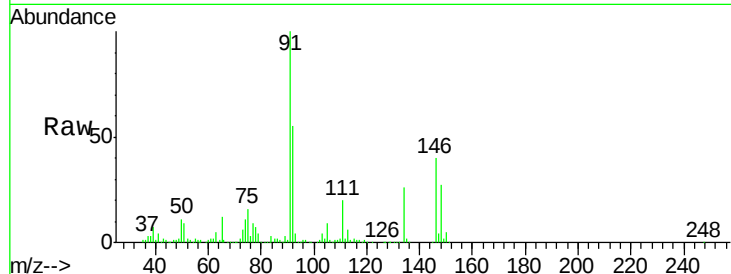
#91
 1,2-Dichlorobenzene
 Concen: 8.505 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.2	69.6
148	64.4	32.4	97.0

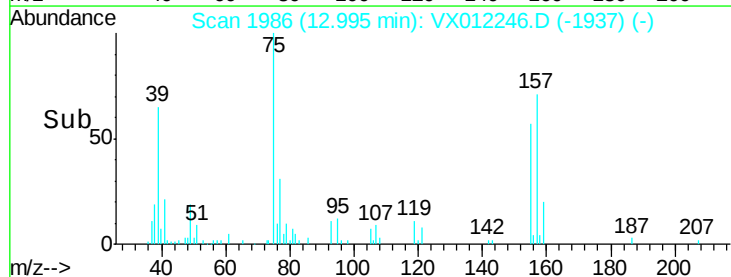
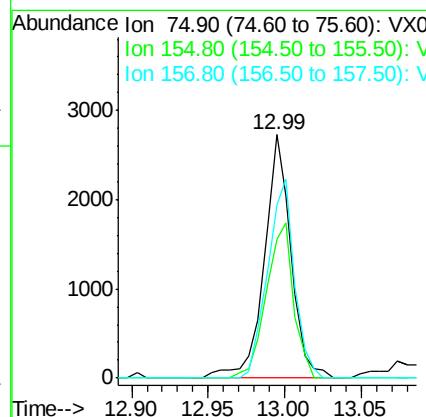
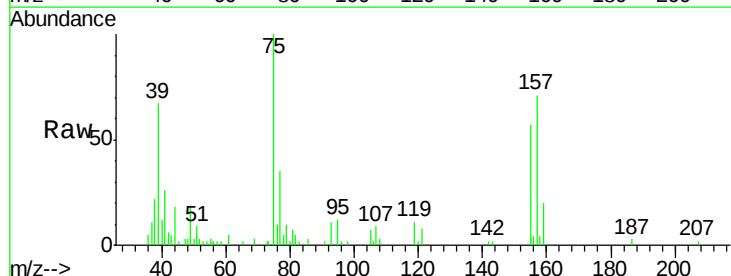
Manual Integrations
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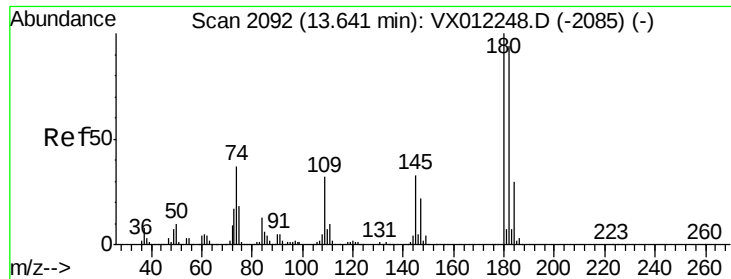
MMDadoda
 9/12/2019 9:00:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.320 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.6	35.3	105.7
157	81.6	43.2	129.6





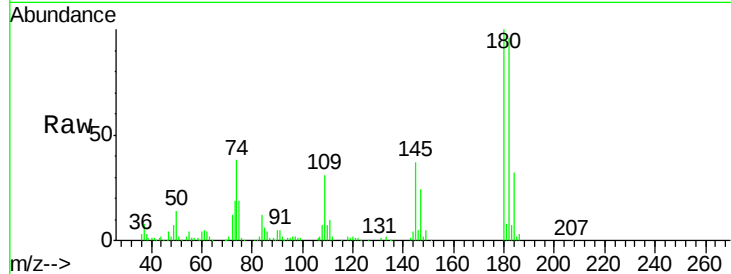
#93
 1,2,4-Trichlorobenzene
 Concen: 8.750 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

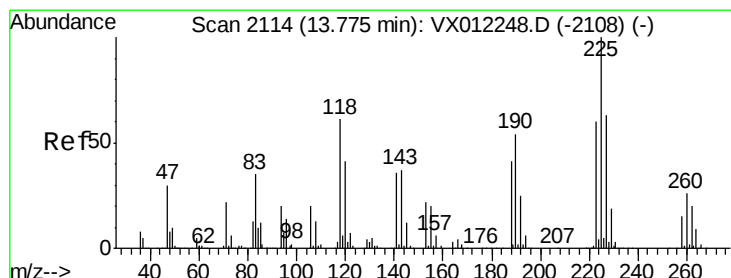
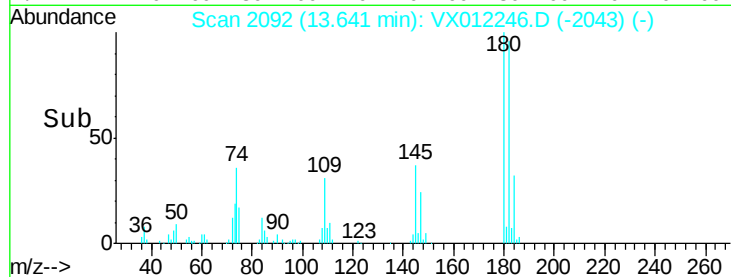
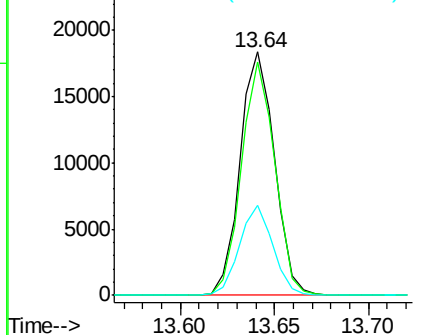
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.9	140.8
145	36.0	17.1	51.2

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:23 AM



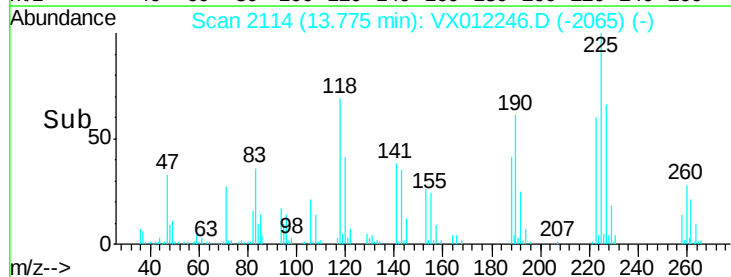
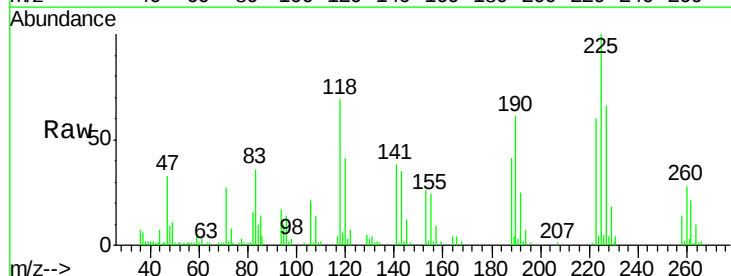
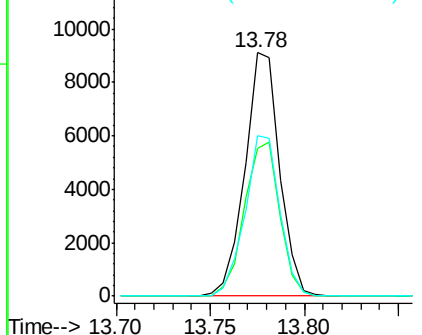
Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

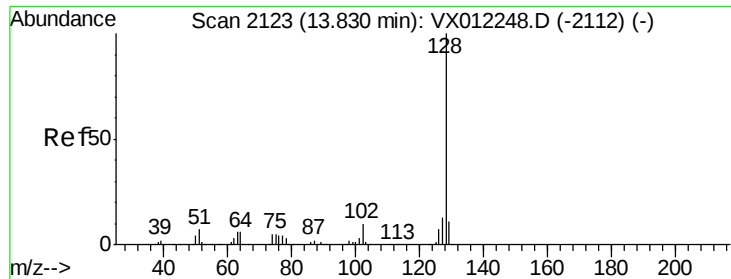


#94
 Hexachlorobutadiene
 Concen: 9.103 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX012246.D
 Acq: 10 Sep 2019 09:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.1	96.5
227	65.9	32.5	97.5

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





#95

Naphthalene

Concen: 8.096 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Instrument :

MSVOA_X

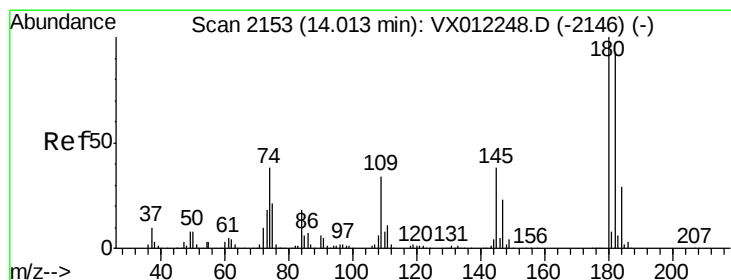
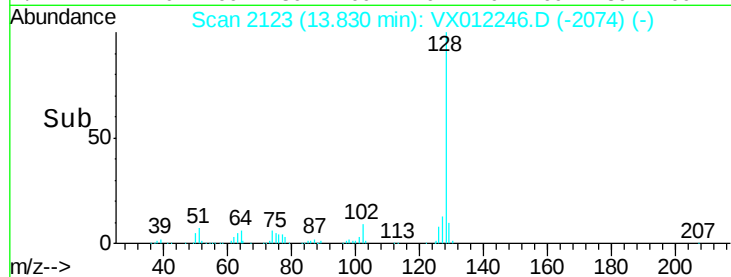
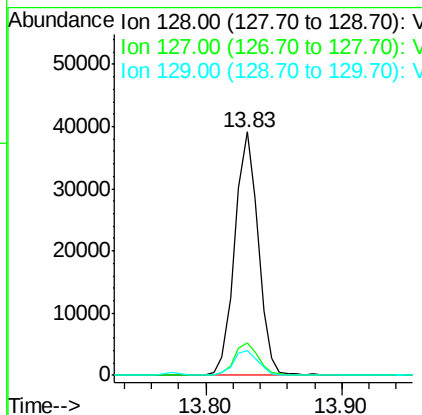
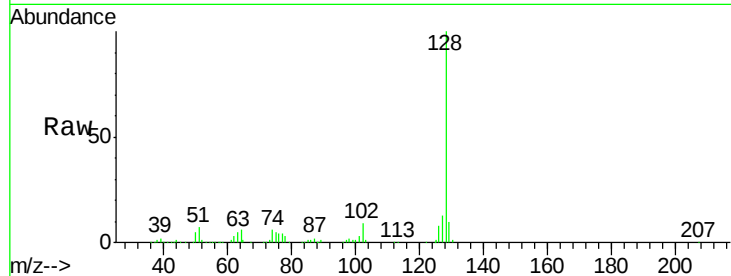
ClientSampleId :

VSTDIC010

Tot Ion:128	Resp:	47024
Ion Ratio	Lower	Upper
128 100		
127 13.8	10.2	15.2
129 10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 8.481 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012246.D

Acq: 10 Sep 2019 09:34

Tgt Ion:180	Resp:	19617
Ion Ratio	Lower	Upper
180 100		
182 100.2	47.0	141.0
145 38.4	18.6	55.8

