

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012247.D
 Acq On : 10 Sep 2019 10:01
 Operator : SY/SP
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:27 AM

Quant Time: Sep 10 11:15:53 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	146908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	264281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117960	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	42334	19.35	ug/l	0.00
Spiked Amount			Recovery	=	38.70%	
35) Dibromofluoromethane	5.49	113	35255	19.91	ug/l	0.00
Spiked Amount			Recovery	=	39.82%	
50) Toluene-d8	8.71	98	113044	18.25	ug/l	0.00
Spiked Amount			Recovery	=	36.50%	
62) 4-Bromofluorobenzene	11.14	95	58515	20.35	ug/l	0.00
Spiked Amount			Recovery	=	40.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	25509	21.721	ug/l	99
3) Chloromethane	1.32	50	23602	20.853	ug/l	100
4) Vinyl Chloride	1.40	62	23316	21.510	ug/l	100
5) Bromomethane	1.62	94	9496	24.163	ug/l	99
6) Chloroethane	1.70	64	14113	20.739	ug/l	96
7) Trichlorofluoromethane	1.91	101	40647	22.044	ug/l	98
8) Diethyl Ether	2.18	74	13093	15.978	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28640	20.851	ug/l	99
10) Methyl Iodide	2.50	142	23998	17.789	ug/l	99
11) Tert butyl alcohol	3.03	59	30502	149.952	ug/l	99
12) 1,1-Dichloroethene	2.36	96	23922	20.678	ug/l	97
13) Acrolein	2.28	56	10992	89.136	ug/l	96
14) Allyl chloride	2.72	41	47170	19.757	ug/l	100
15) Acrylonitrile	3.13	53	41406	91.431	ug/l	99
16) Acetone	2.44	43	45470	98.338	ug/l	99
17) Carbon Disulfide	2.56	76	48172	20.232	ug/l	96
18) Methyl Acetate	2.76	43	19986	17.010	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	88551	18.608	ug/l	100
20) Methylene Chloride	2.84	84	33521	17.277	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	27592	19.704	ug/l	98
22) Diisopropyl ether	3.84	45	106363	19.108	ug/l	94
23) Vinyl Acetate	3.80	43	324019	95.346	ug/l	100
24) 1,1-Dichloroethane	3.68	63	57741	19.433	ug/l	97
25) 2-Butanone	4.66	43	61535	97.071	ug/l	99
26) 2,2-Dichloropropane	4.57	77	54239	19.683	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	35191	19.074	ug/l	99
28) Bromochloromethane	5.00	49	24222	17.774	ug/l	96
29) Tetrahydrofuran	5.12	42	34779	90.461	ug/l	98
30) Chloroform	5.20	83	63714	18.741	ug/l	99
31) Cyclohexane	5.56	56	40036	20.035	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	55566	19.734	ug/l	99
36) 1,1-Dichloropropene	5.79	75	39861	19.603	ug/l	96
37) Ethyl Acetate	4.82	43	23804	17.724	ug/l #	94
38) Carbon Tetrachloride	5.78	117	45671	19.612	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	43883	20.509	ug/l	97
40) Benzene	6.13	78	119564	19.381	ug/l	97
41) Methacrylonitrile	5.03	41	14913	17.989	ug/l	97
42) 1,2-Dichloroethane	6.18	62	46643	18.709	ug/l	99
43) Isopropyl Acetate	6.43	43	50356	18.110	ug/l	100
44) Trichloroethene	7.20	130	33082	19.884	ug/l	94
45) 1,2-Dichloropropane	7.51	63	31921	18.331	ug/l	98
46) Dibromomethane	7.65	93	17599	17.770	ug/l	99
47) Bromodichloromethane	7.89	83	47711	17.999	ug/l	100
48) Methyl methacrylate	7.76	41	24152	18.075	ug/l	97
49) 1,4-Dioxane	7.73	88	6959	371.065	ug/l #	89
51) 4-Methyl-2-Pentanone	8.64	43	134070	92.671	ug/l	100
52) Toluene	8.78	92	78869	19.248	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	48286	18.271	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	53880	18.688	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	27703	18.431	ug/l	98
56) Ethyl methacrylate	9.17	69	36739	17.484	ug/l	97
57) 1,3-Dichloropropane	9.37	76	48915	19.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	88285	88.474	ug/l	98
59) 2-Hexanone	9.49	43	93276	90.746	ug/l	99
60) Dibromochloromethane	9.57	129	31339	17.579	ug/l	97
61) 1,2-Dibromoethane	9.67	107	26161	18.667	ug/l	96
64) Tetrachloroethene	9.33	164	26342	19.592	ug/l	97
65) Chlorobenzene	10.14	112	91996	19.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	33869	18.331	ug/l	98
67) Ethyl Benzene	10.25	91	161844	19.122	ug/l	98
68) m/p-Xylenes	10.35	106	120950	38.747	ug/l	98
69) o-Xylene	10.70	106	58029	19.053	ug/l	98
70) Styrene	10.71	104	103841	18.961	ug/l	99
71) Bromoform	10.85	173	16568	17.198	ug/l #	99
73) Isopropylbenzene	11.01	105	163178	19.300	ug/l	100
74) N-amyl acetate	10.89	43	47362	17.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	34055	17.920	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	34171m	20.731	ug/l	
77) Bromobenzene	11.25	156	37862	18.734	ug/l	99
78) n-propylbenzene	11.35	91	198396	19.497	ug/l	100
79) 2-Chlorotoluene	11.42	91	122457	19.280	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	147885	19.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9882	16.559	ug/l	95
82) 4-Chlorotoluene	11.51	91	149636	19.246	ug/l	99
83) tert-Butylbenzene	11.76	119	140680	18.960	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	151863	19.186	ug/l	99
85) sec-Butylbenzene	11.94	105	173715	19.918	ug/l	99
86) p-Isopropyltoluene	12.06	119	156400	19.341	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	75104	18.739	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	77140	19.194	ug/l	98
89) n-Butylbenzene	12.39	91	155684	20.069	ug/l	99
90) Hexachloroethane	12.59	117	27723	18.695	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	70659	18.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7031	18.664	ug/l	98

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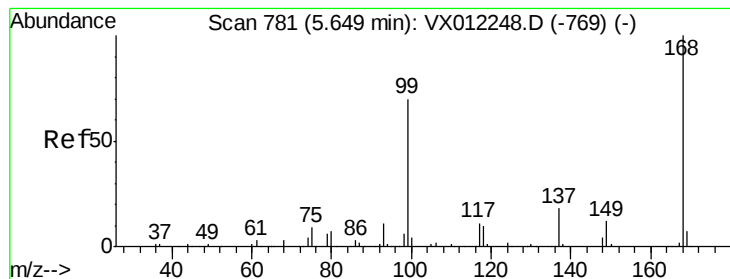
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47061	18.977	ug/l	98
94) Hexachlorobutadiene	13.78	225	24271	20.230	ug/l	98
95) Naphthalene	13.83	128	104465	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	41842	19.295	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 146908

Ion Ratio Lower Upper

168 100

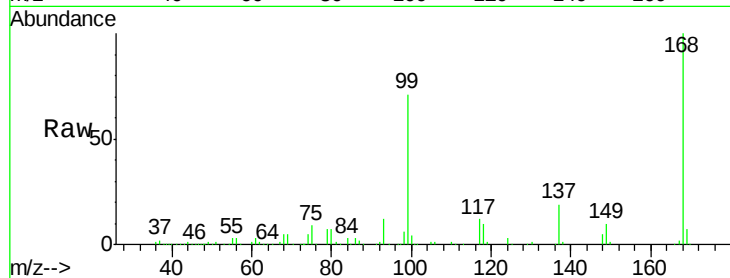
99 70.4 55.8 83.6

Manual Integrations

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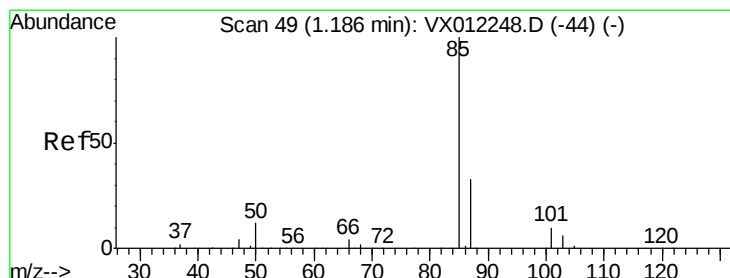
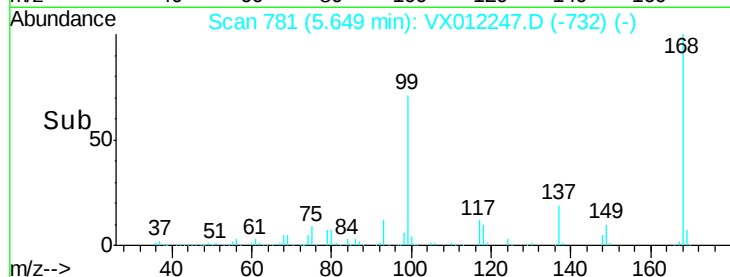


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.721 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012247.D

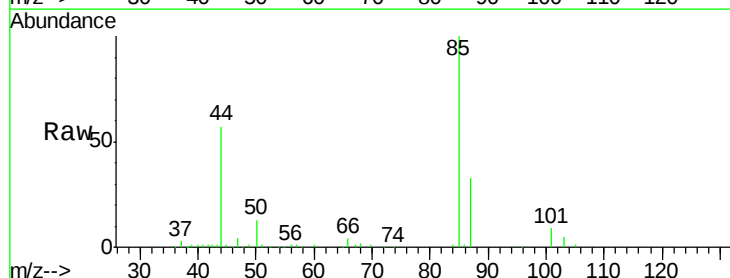
Acq: 10 Sep 2019 10:01

Tgt Ion: 85 Resp: 25509

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.0

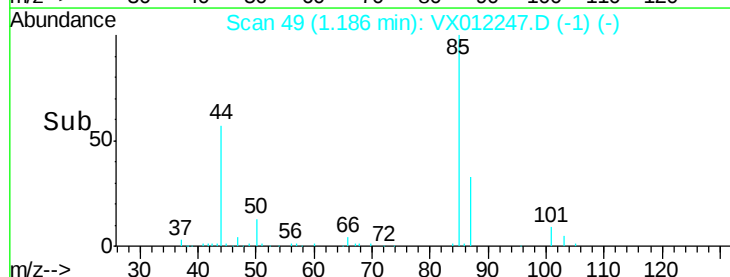


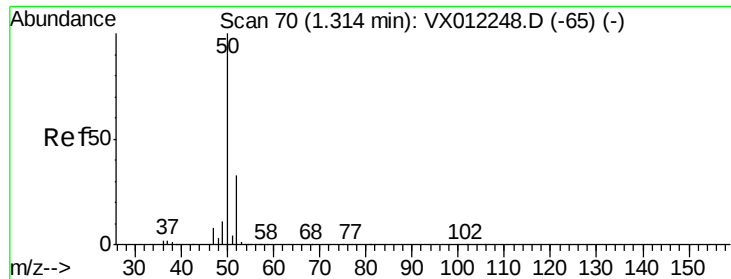
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.853 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 23602

Ion Ratio Lower Upper

50 100

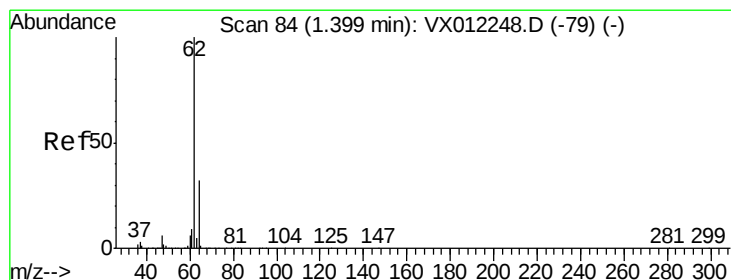
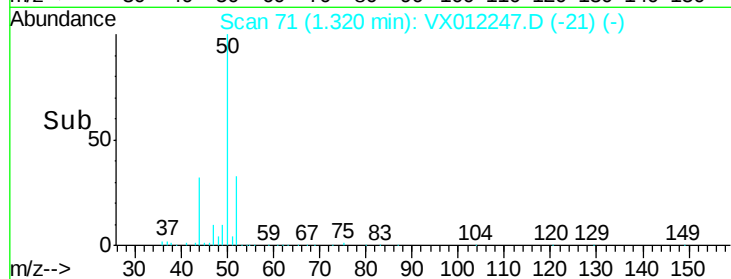
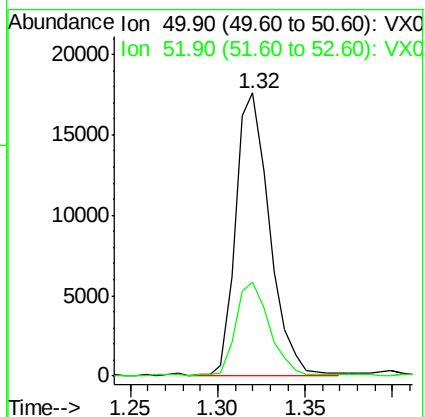
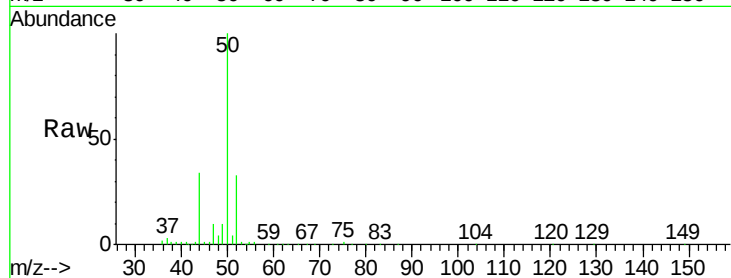
52 33.3 26.7 40.1

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#4

Vinyl Chloride

Concen: 21.510 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012247.D

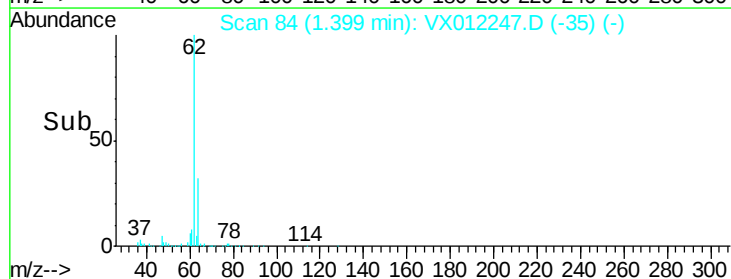
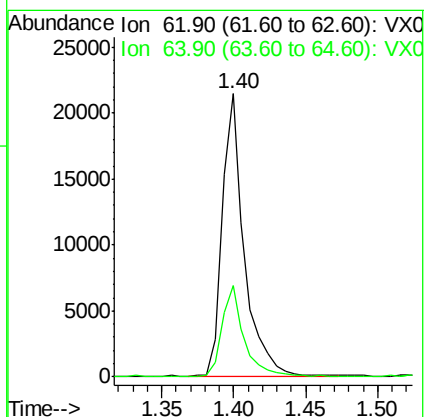
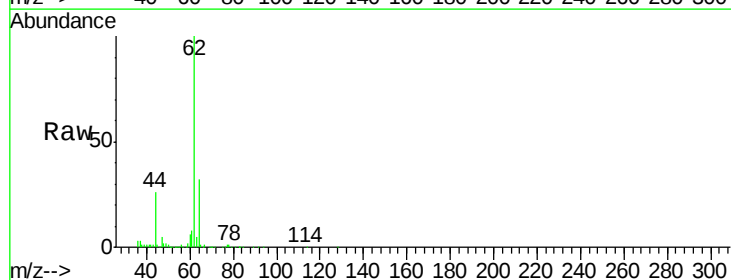
Acq: 10 Sep 2019 10:01

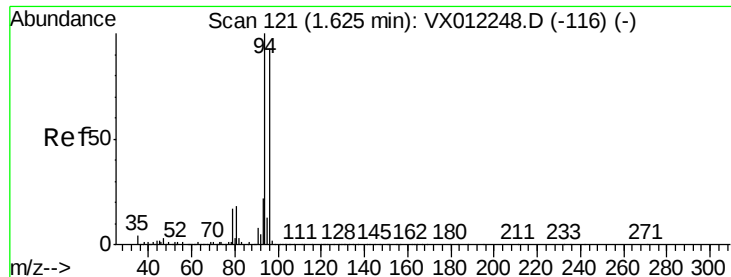
Tgt Ion: 62 Resp: 23316

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 24.163 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 9496

Ion Ratio Lower Upper

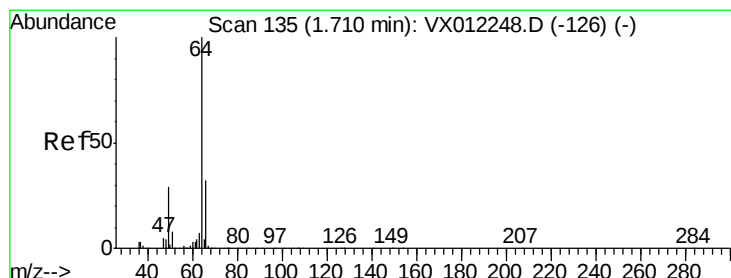
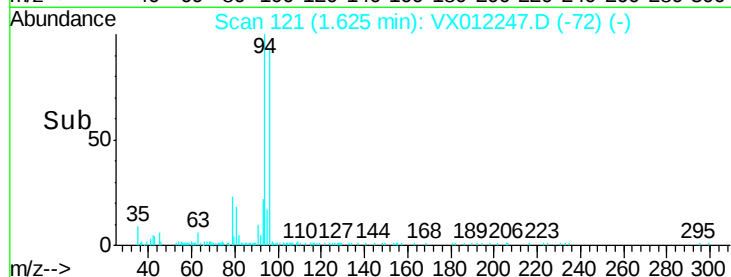
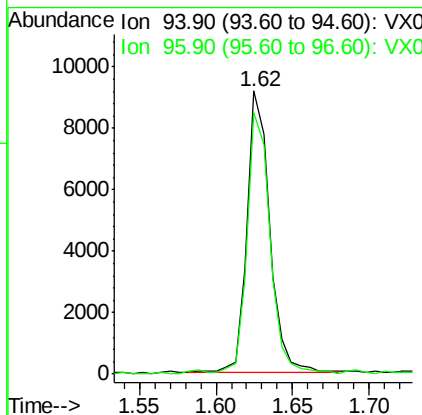
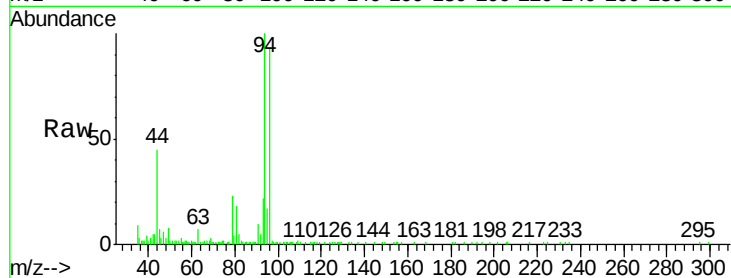
94 100

96 93.1 74.0 111.0

Manual Integrations
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9/12/2019 9:00:27 AM



#6

Chloroethane

Concen: 20.739 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012247.D

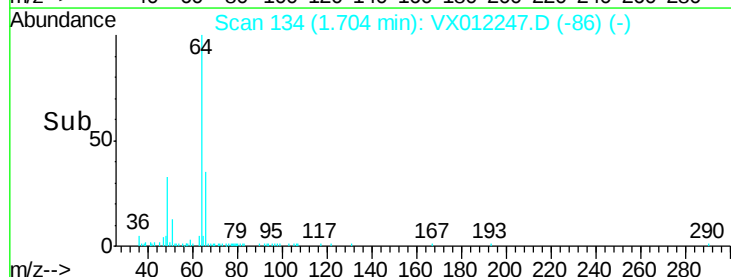
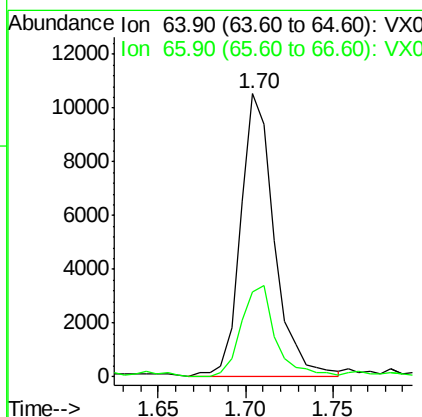
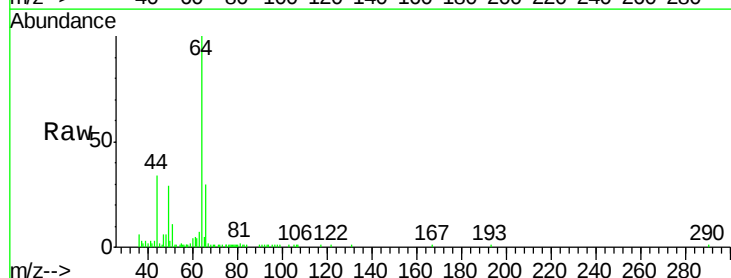
Acq: 10 Sep 2019 10:01

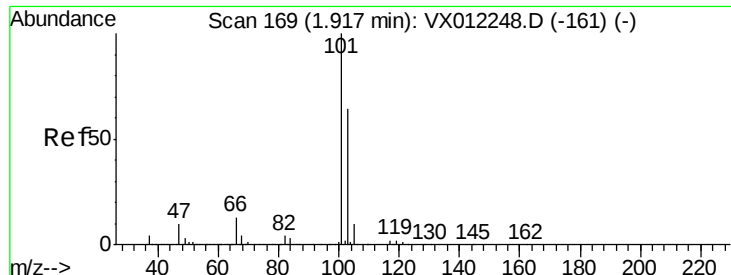
Tgt Ion: 64 Resp: 14113

Ion Ratio Lower Upper

64 100

66 30.0 25.8 38.6





#7

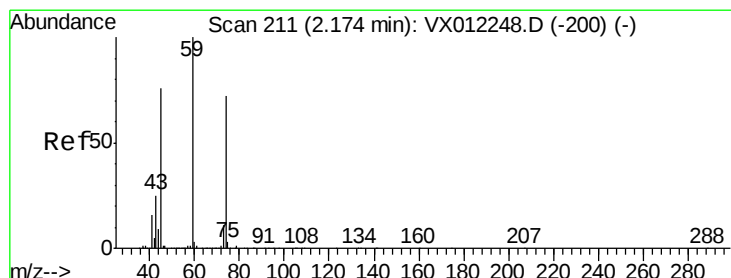
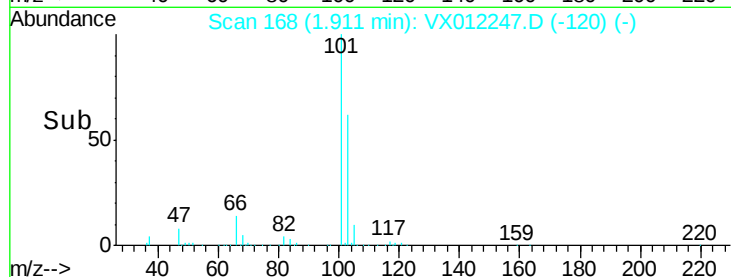
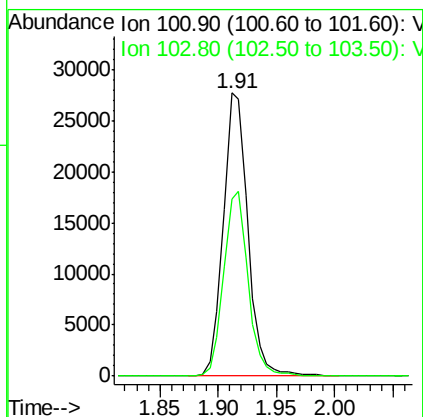
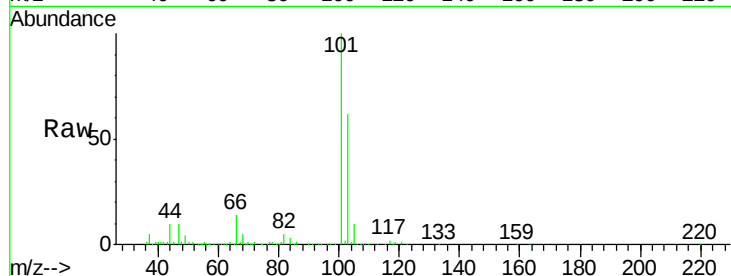
Trichlorofluoromethane
 Concen: 22.044 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
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 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.4	77.2

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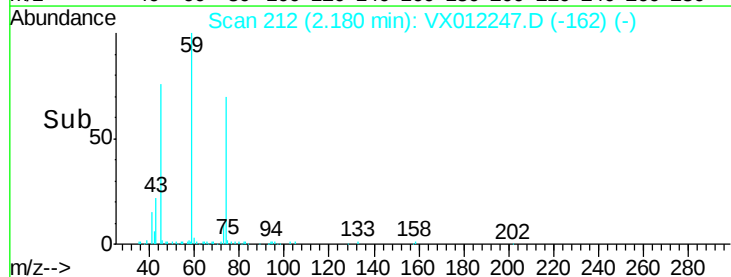
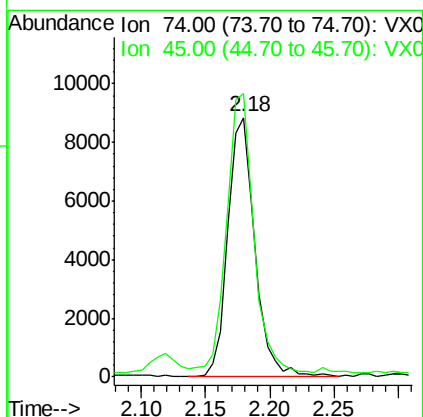
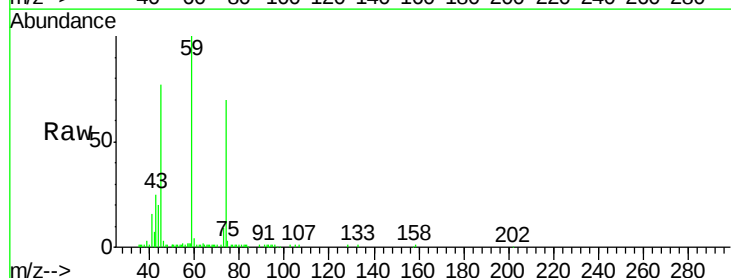
MMDadoda
 9/12/2019 9:00:27 AM

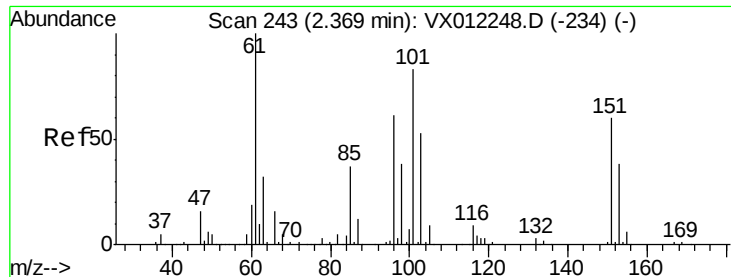


#8

Diethyl Ether
 Concen: 15.978 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.4	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.851 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

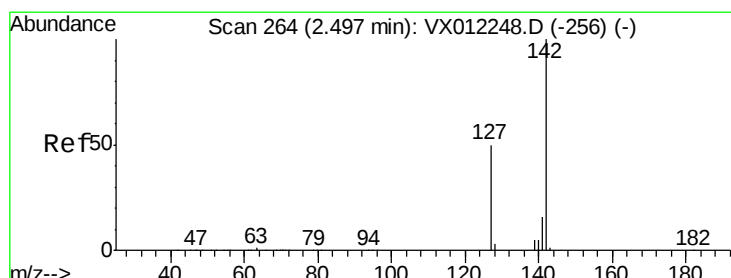
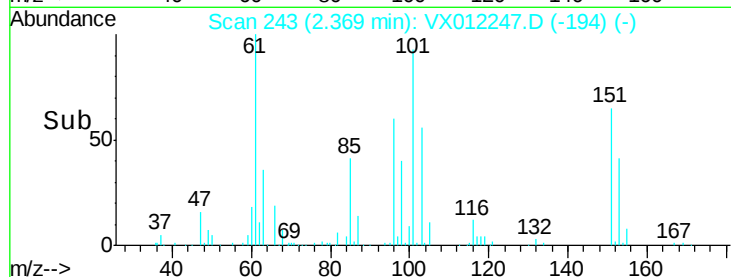
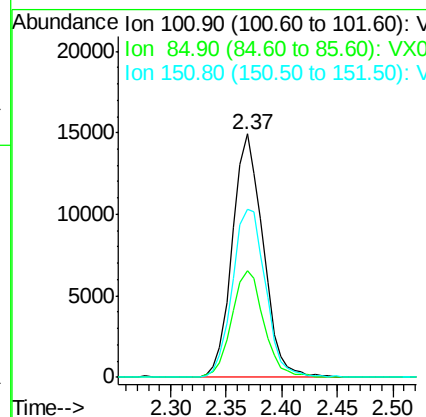
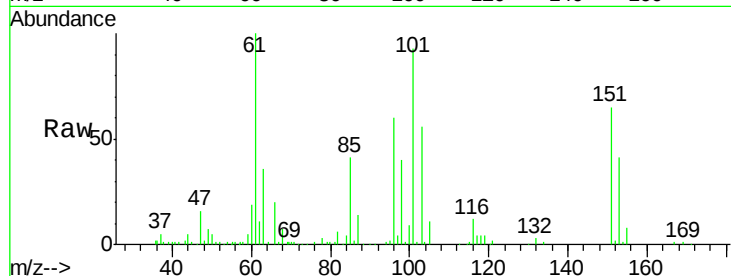
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	28640
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.0	55.6
151	74.5	58.6	87.8

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9/12/2019 9:00:27 AM



#10

Methyl Iodide

Concen: 17.789 ug/l

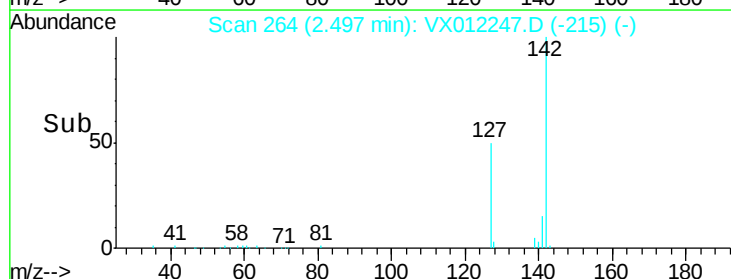
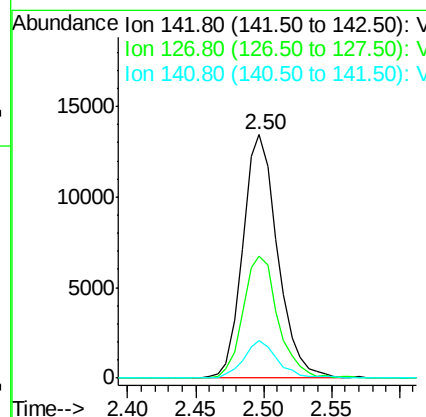
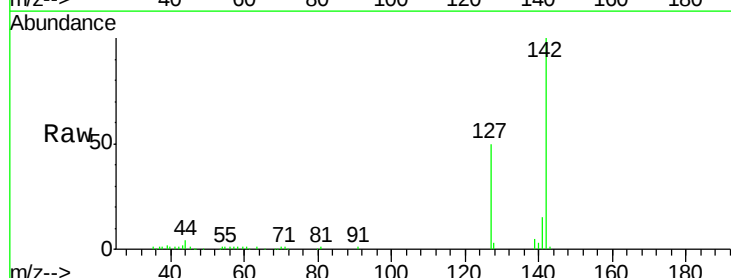
RT: 2.50 min Scan# 264

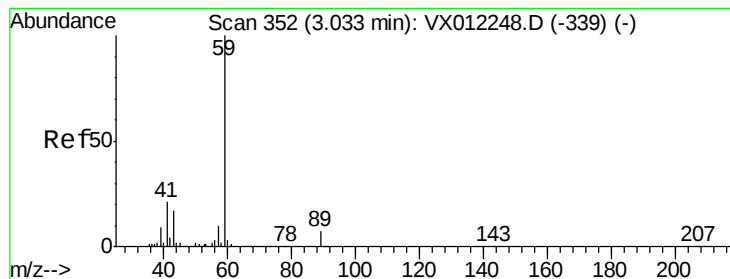
Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion:	142	Resp:	23998
Ion Ratio	Lower	Upper	
142	100		
127	50.3	40.6	61.0
141	15.3	12.0	18.0





#11

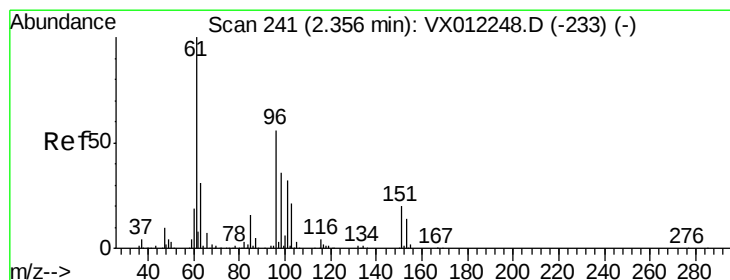
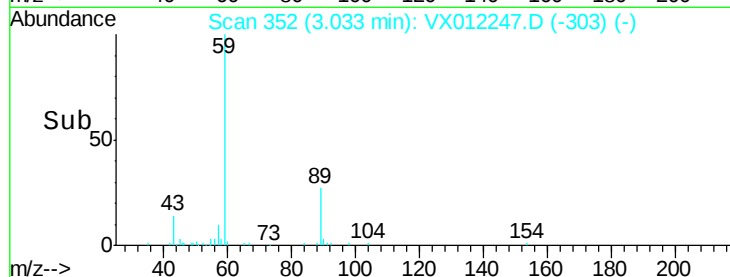
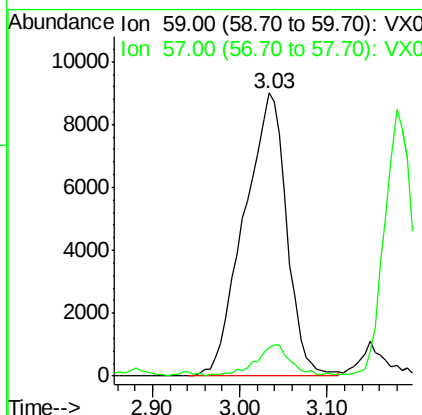
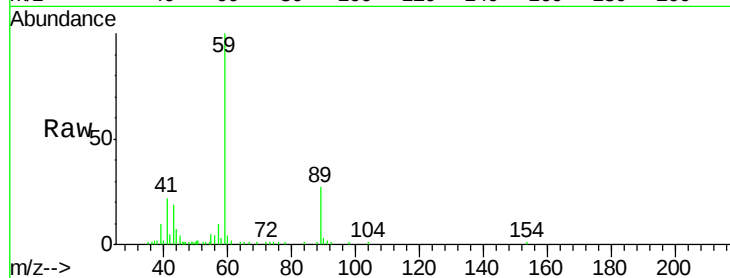
Tert butyl alcohol
 Concen: 149.952 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30502		
57	9.4		7.8	11.6

Manual Integrations
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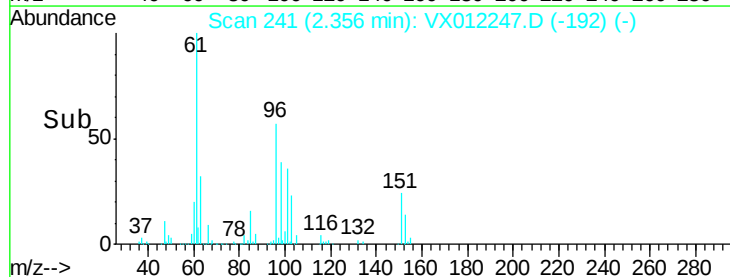
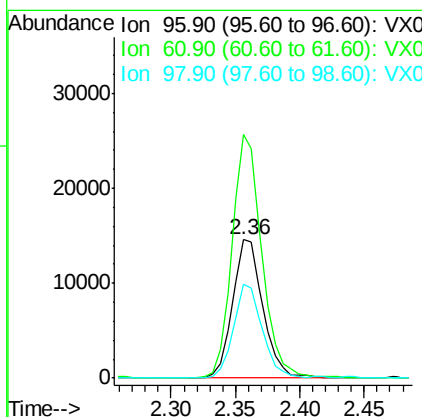
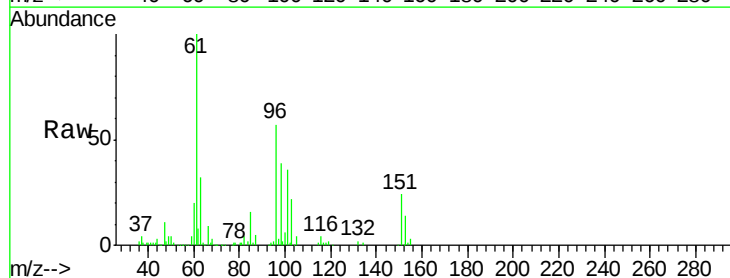
MMDadoda
 9/12/2019 9:00:27 AM

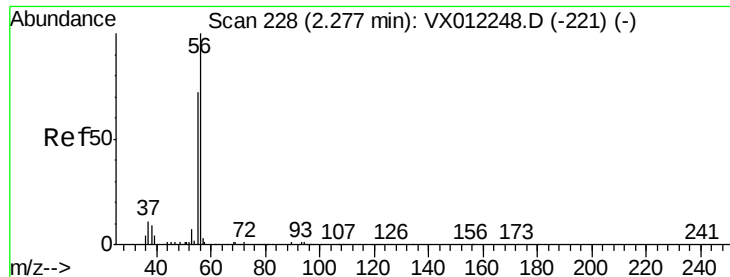


#12

1,1-Dichloroethene
 Concen: 20.678 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	23922		
61	175.4		142.2	213.2
98	68.1		51.3	76.9





#13

Acrolein

Concen: 89.136 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 10992

Ion Ratio Lower Upper

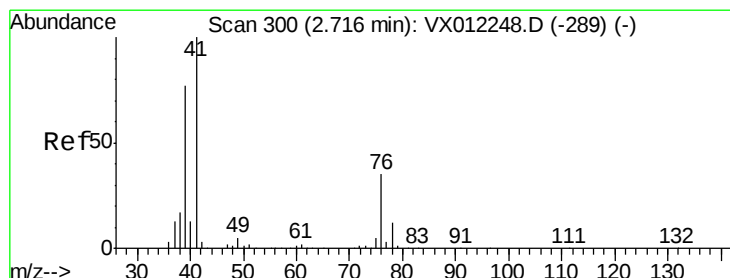
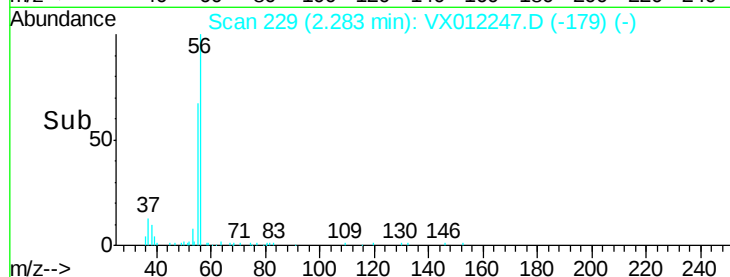
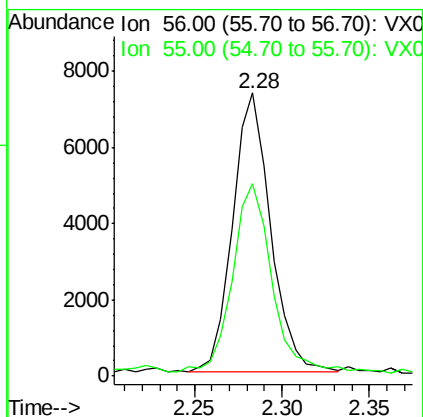
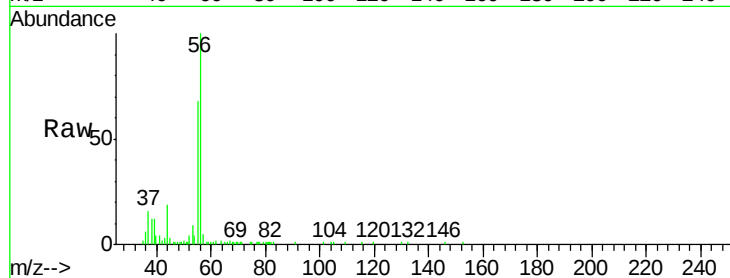
56 100

55 71.4 59.8 89.6

Manual Integrations
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#14

Allyl chloride

Concen: 19.757 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

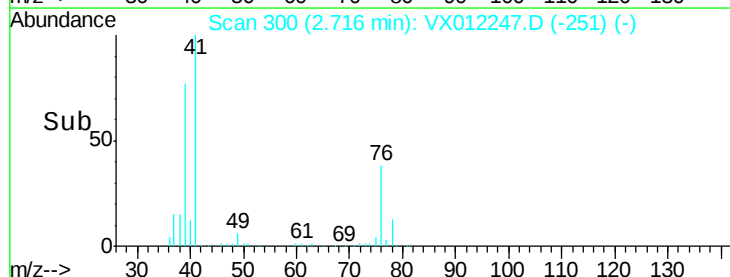
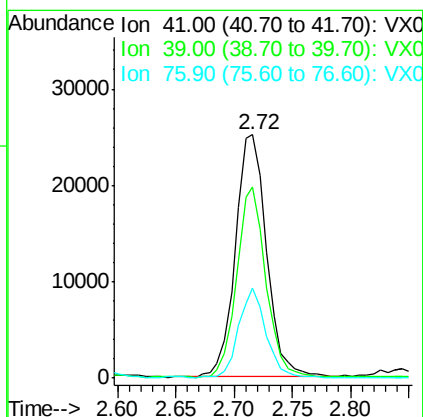
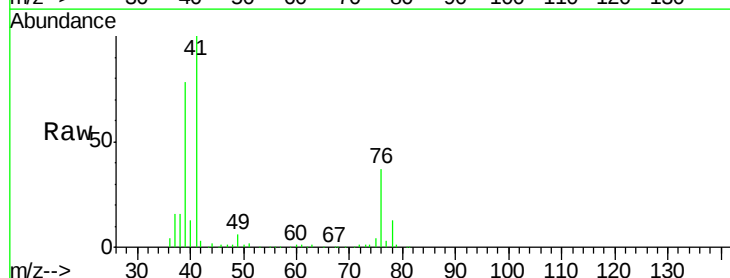
Tgt Ion: 41 Resp: 47170

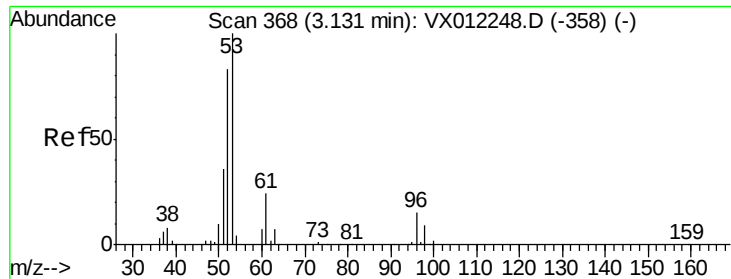
Ion Ratio Lower Upper

41 100

39 73.2 58.6 87.8

76 33.0 26.3 39.5





#15

Acrylonitrile

Concen: 91.431 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

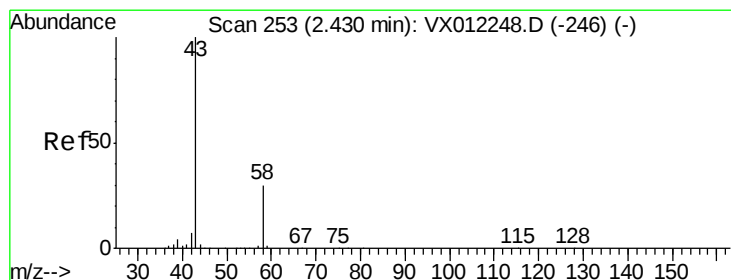
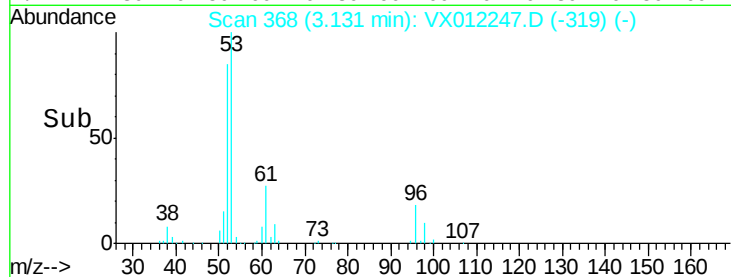
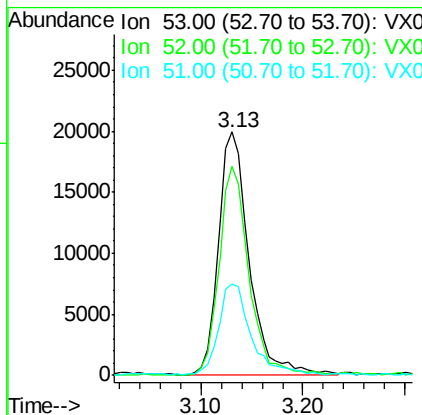
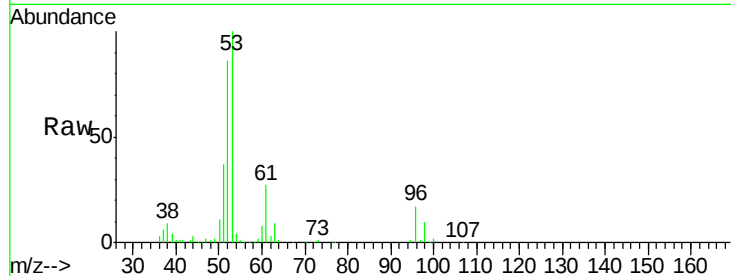
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	41406
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.8	100.2
51	39.4	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 98.338 ug/l

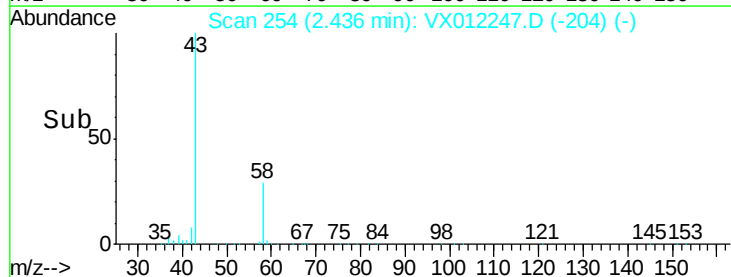
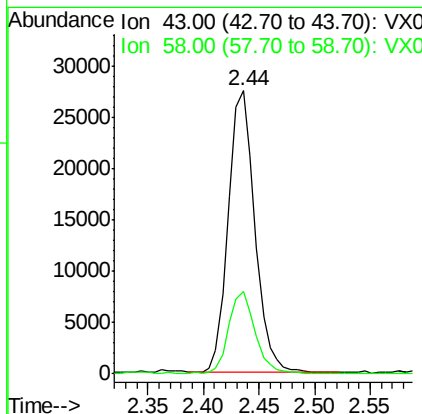
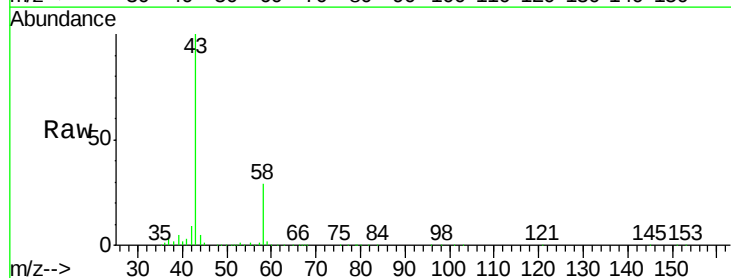
RT: 2.44 min Scan# 254

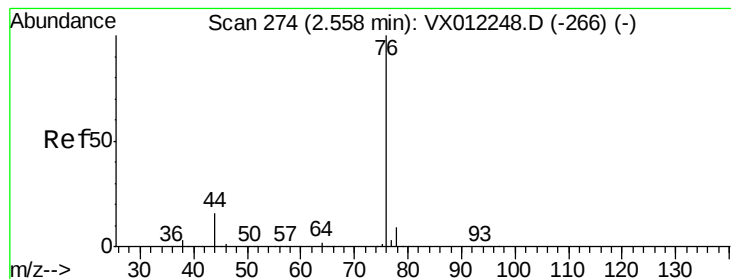
Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion:	43	Resp:	45470
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.6	35.4





#17

Carbon Disulfide

Concen: 20.232 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 48172

Ion Ratio Lower Upper

76 100

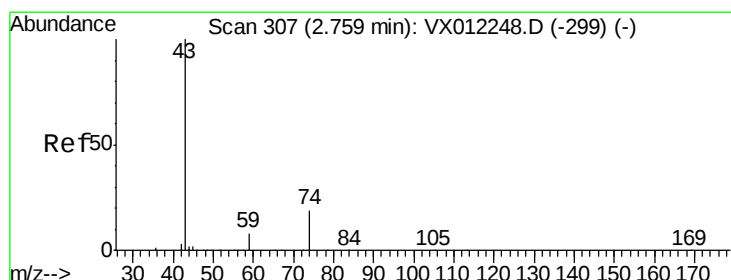
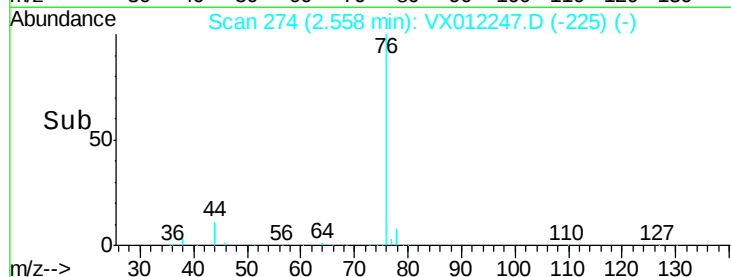
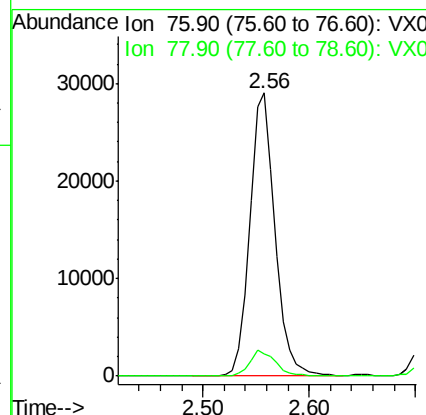
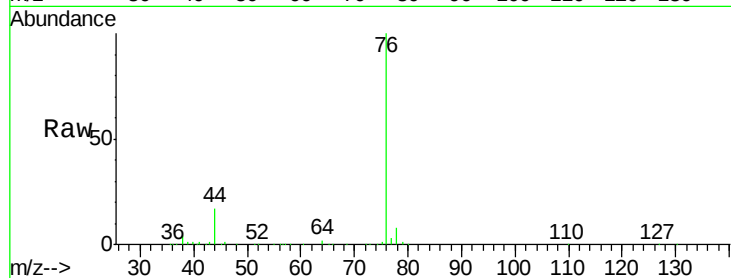
78 8.0 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 17.010 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012247.D

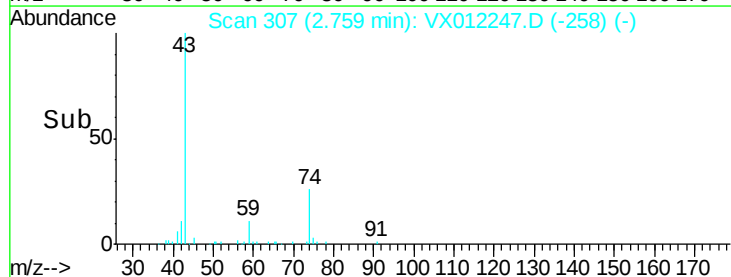
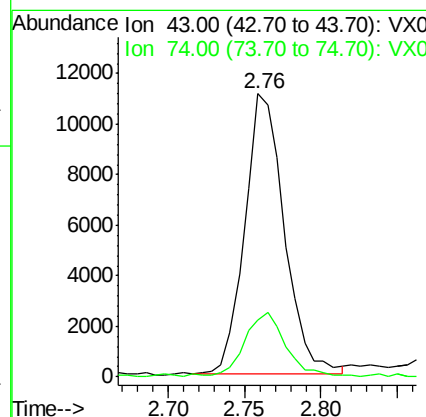
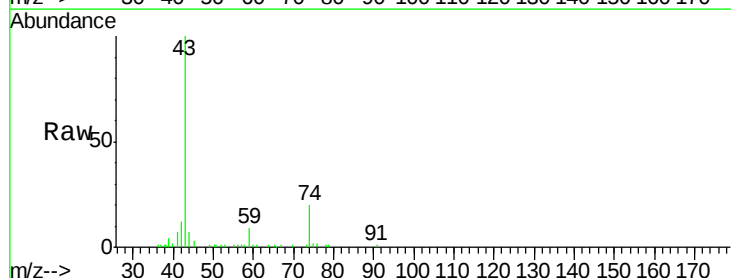
Acq: 10 Sep 2019 10:01

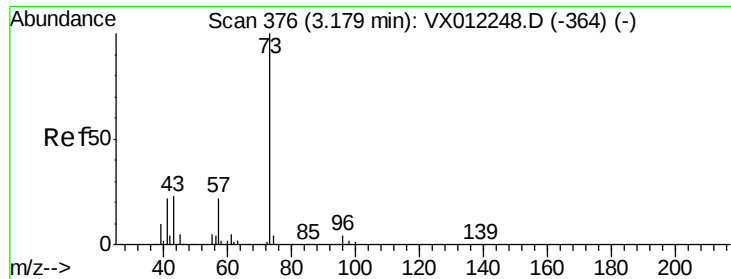
Tgt Ion: 43 Resp: 19986

Ion Ratio Lower Upper

43 100

74 24.2 18.3 27.5





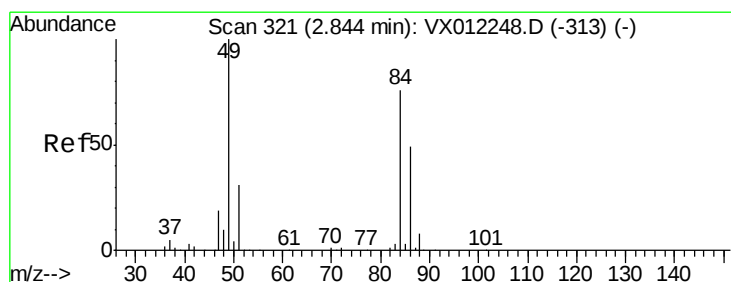
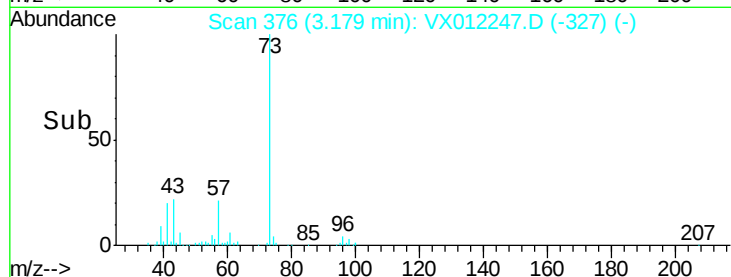
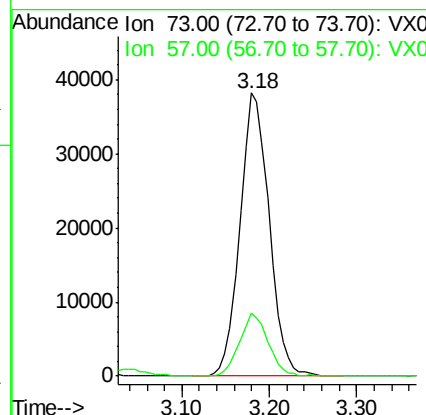
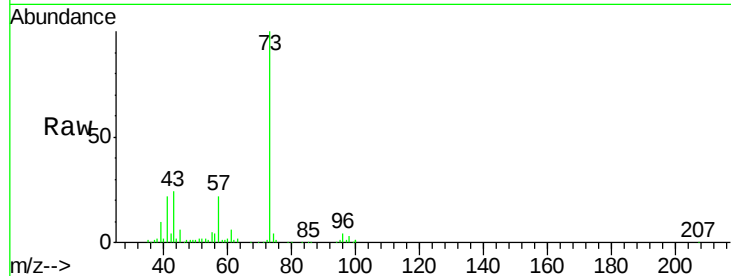
#19
Methvl tert-butvl Ether
Concen: 18.608 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	73	Resp	88551
Ion Ratio	100	Lower	Upper
73	100		
57	22.0	17.7	26.5

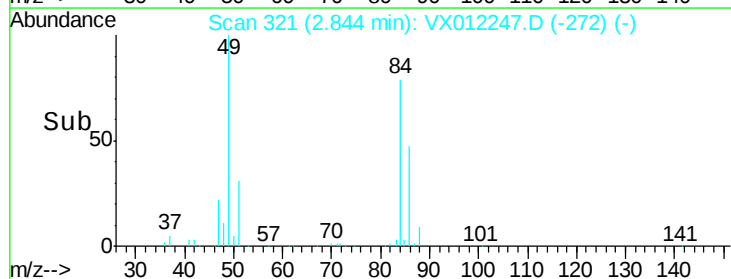
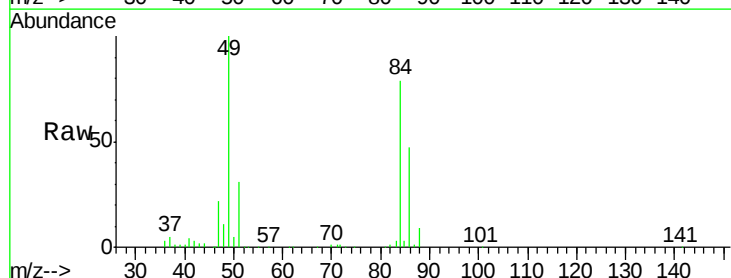
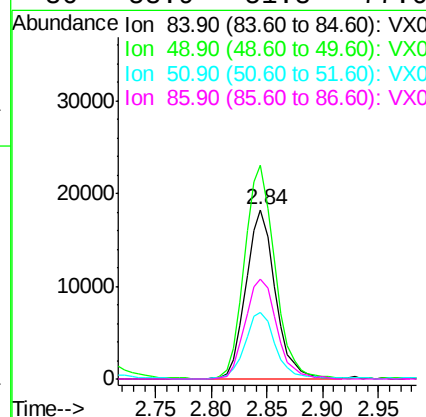
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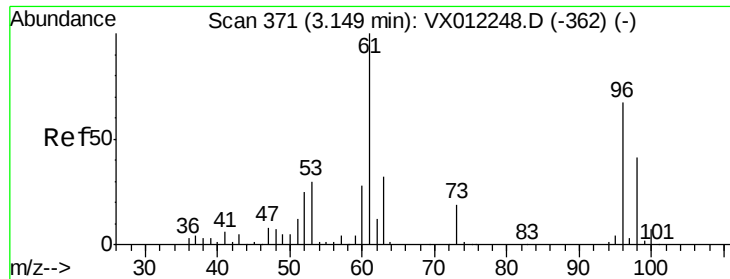
MMDadoda
9/12/2019 9:00:27 AM



#20
Methylene Chloride
Concen: 17.277 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	84	Resp	33521
Ion Ratio	100	Lower	Upper
84	100		
49	125.7	105.0	157.6
51	38.7	32.6	48.8
86	58.9	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 19.704 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 27592

Ion Ratio Lower Upper

96 100

61 151.1 119.4 179.2

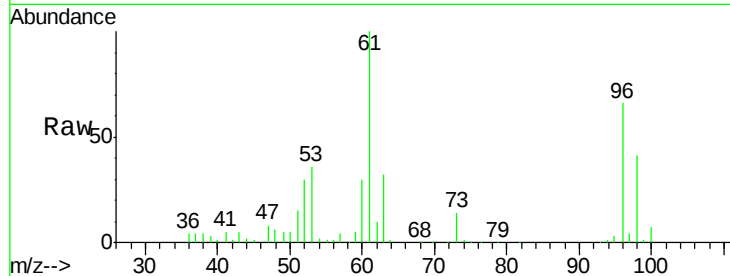
98 62.1 48.4 72.6

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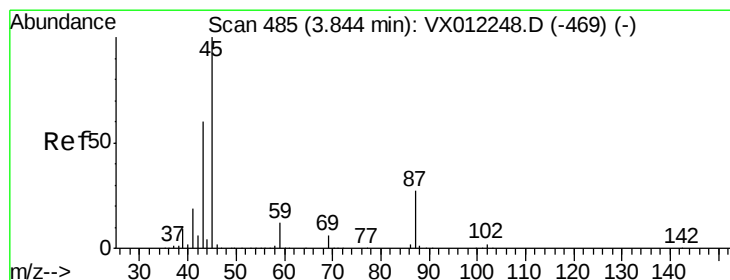
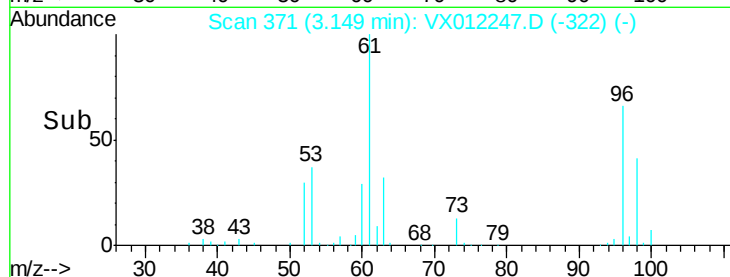
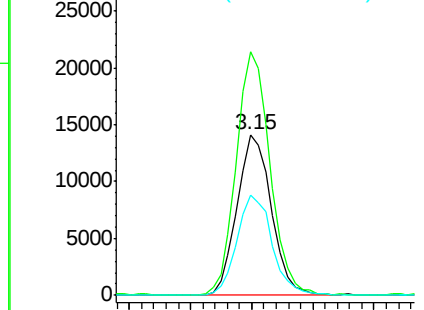
9/12/2019 9:00:27 AM



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: 19.108 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion: 45 Resp: 106363

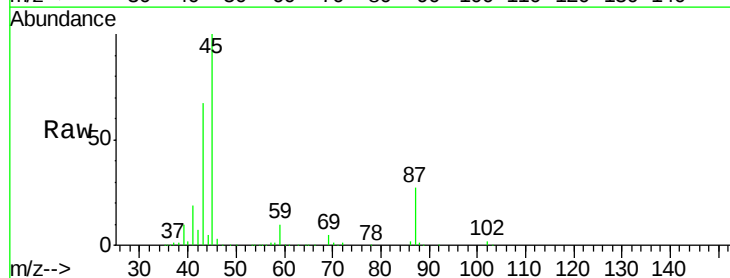
Ion Ratio Lower Upper

45 100

43 66.8 48.3 72.5

87 27.2 21.8 32.8

59 10.3 9.1 13.7

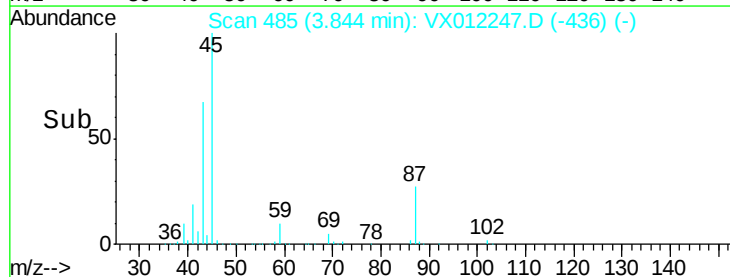
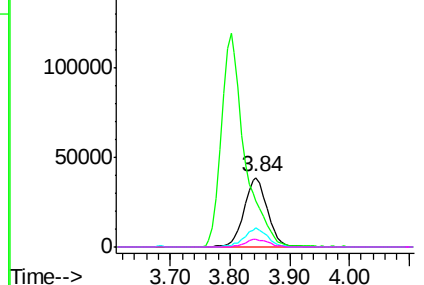


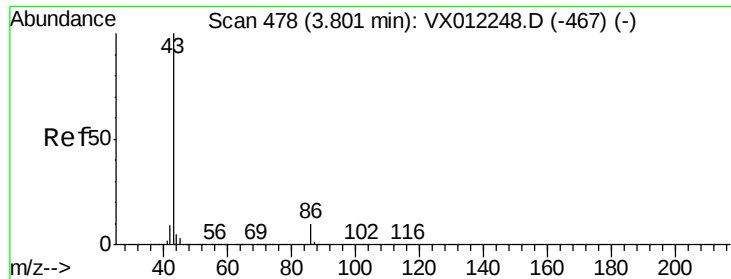
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 95.346 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 324019

Ion Ratio Lower Upper

43 100

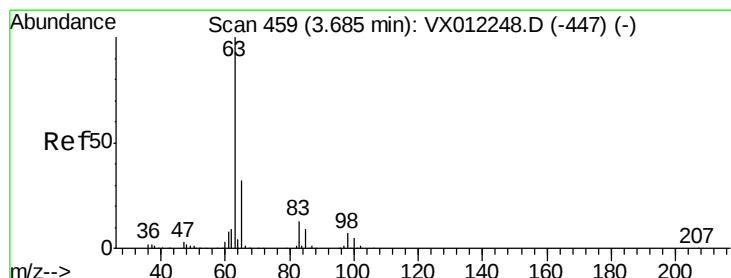
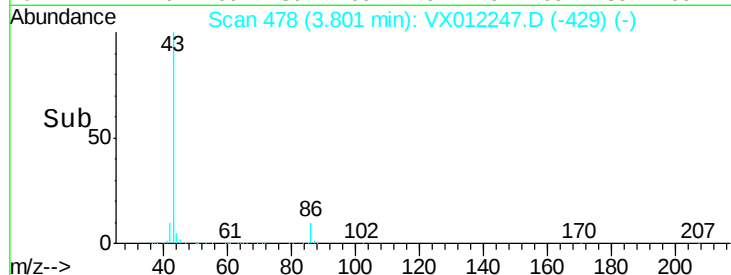
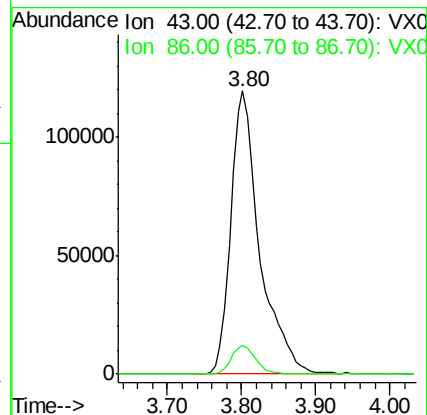
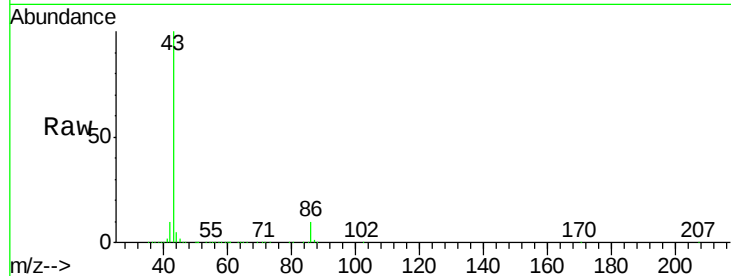
86 10.3 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.433 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

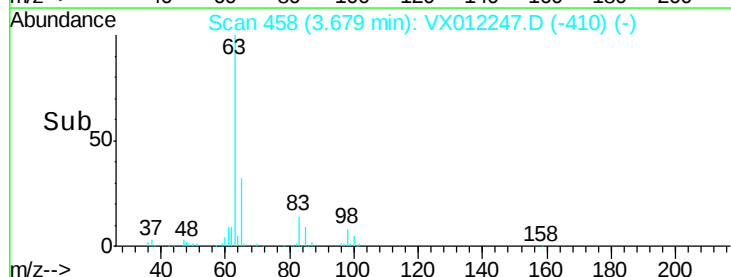
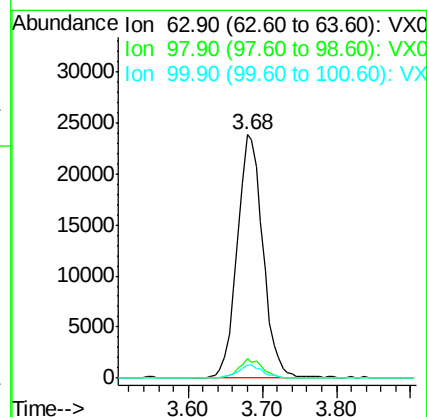
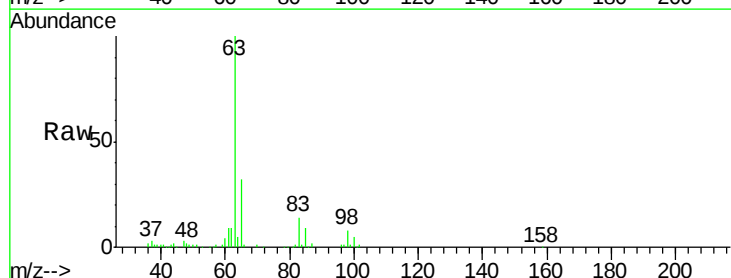
Tgt Ion: 63 Resp: 57741

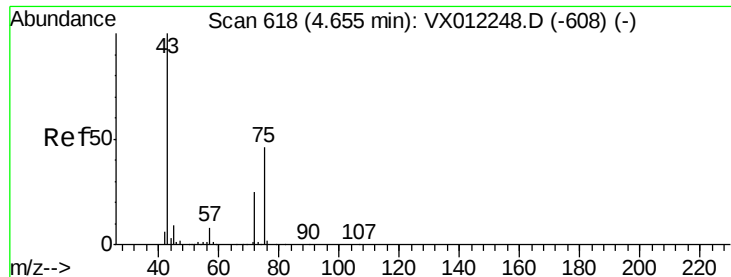
Ion Ratio Lower Upper

63 100

98 8.3 3.4 10.1

100 5.2 2.4 7.2





#25

2-Butanone

Concen: 97.071 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 61535

Ion Ratio Lower Upper

43 100

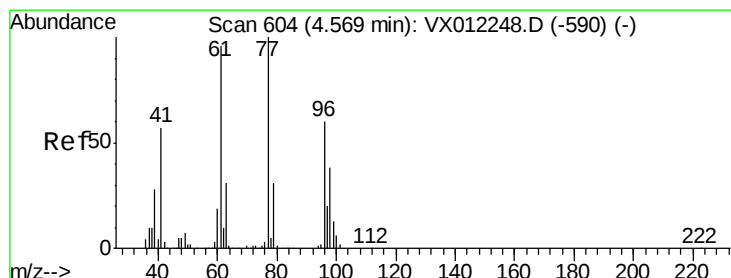
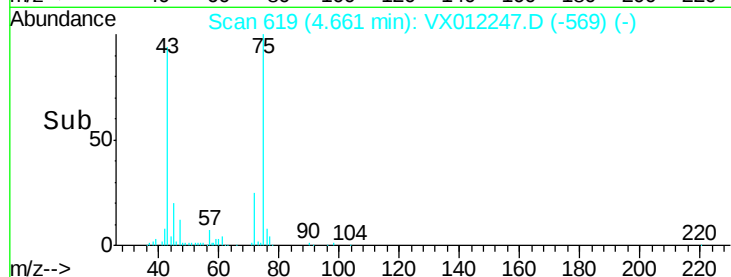
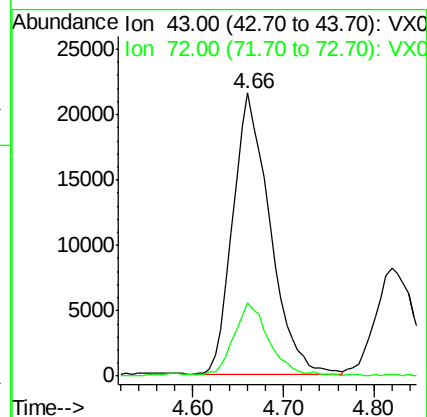
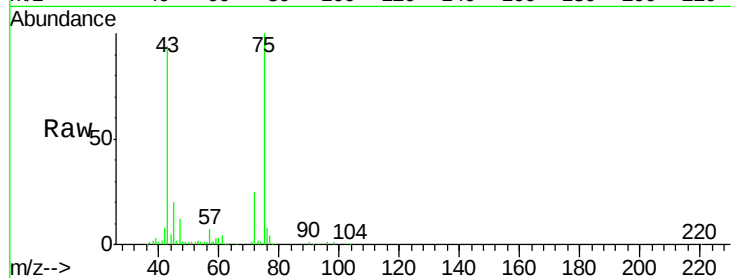
72 25.9 20.2 30.2

Manual Integrations

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9/12/2019 9:00:27 AM



#26

2,2-Dichloropropane

Concen: 19.683 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012247.D

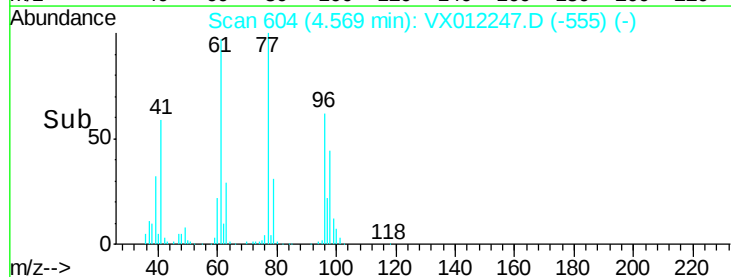
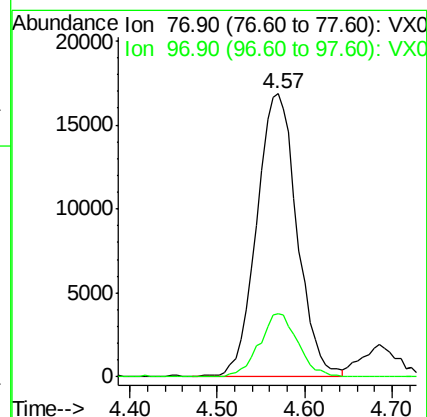
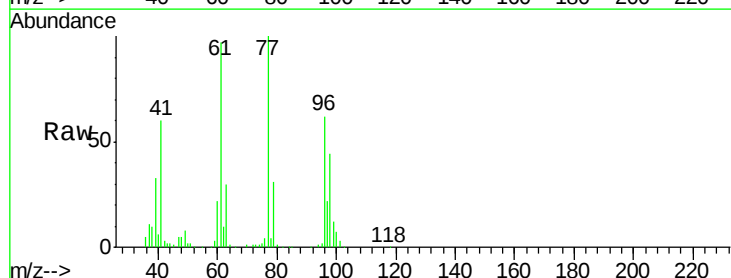
Acq: 10 Sep 2019 10:01

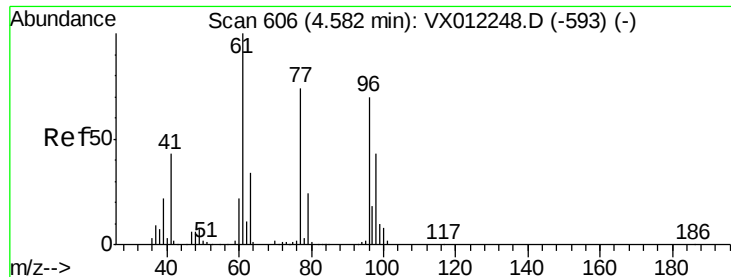
Tgt Ion: 77 Resp: 54239

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1





#27

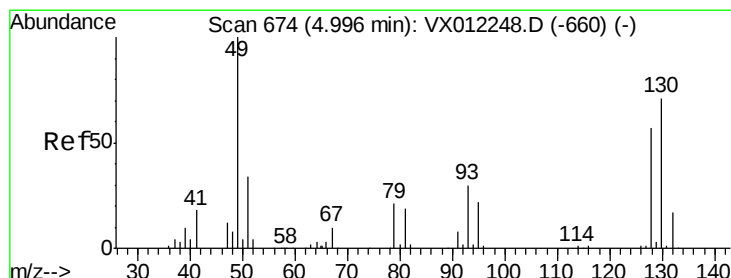
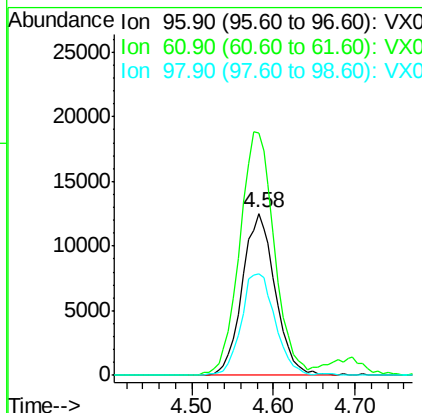
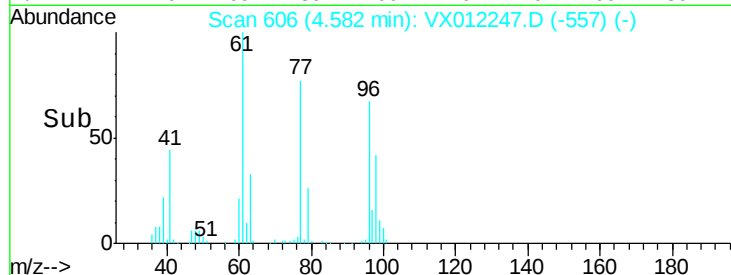
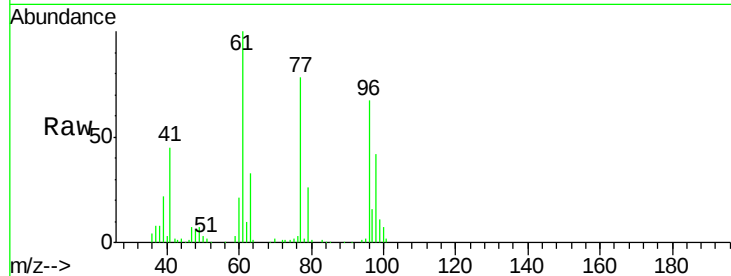
cis-1,2-Dichloroethene
Concen: 19.074 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	35191		
61	157.4	0.0	310.4	
98	64.0	0.0	128.8	

Manual Integrations
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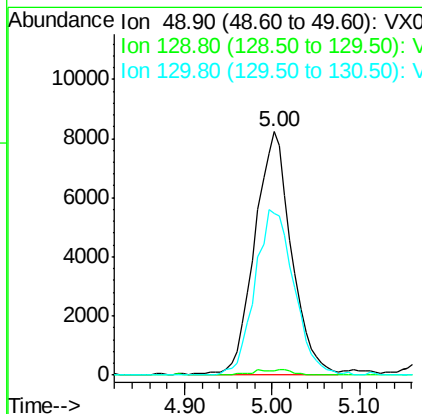
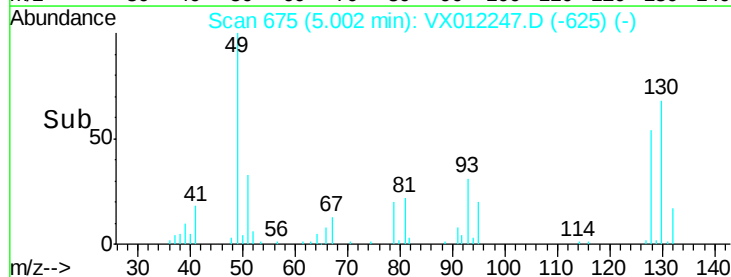
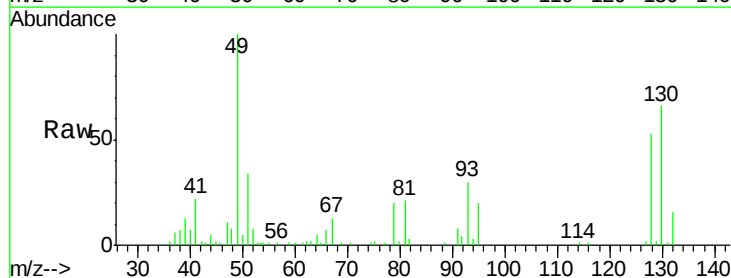
MMDadoda
9/12/2019 9:00:27 AM

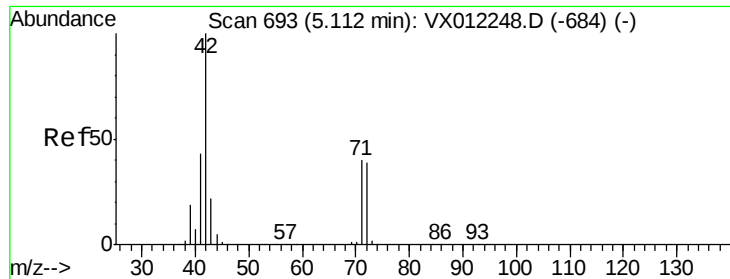


#28

Bromochloromethane
Concen: 17.774 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24222		
129	2.3	0.0	5.2	
130	71.8	60.1	90.1	





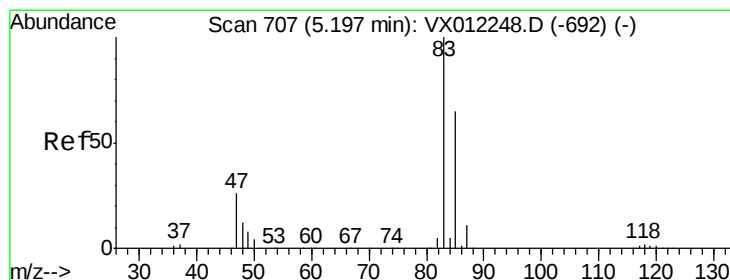
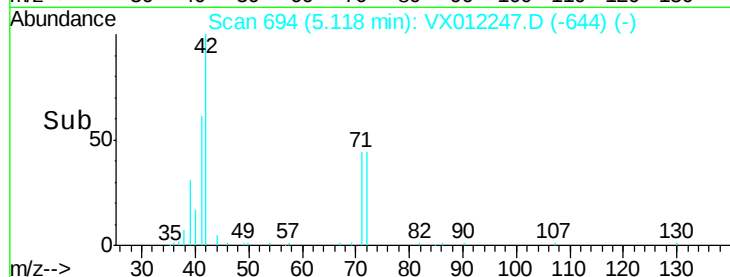
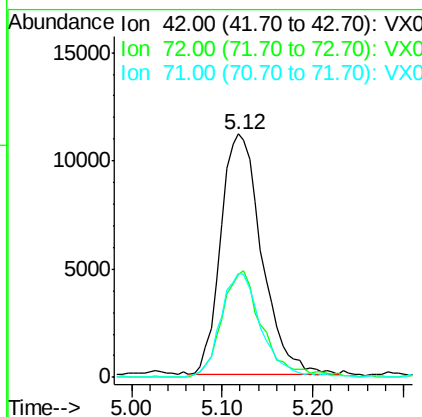
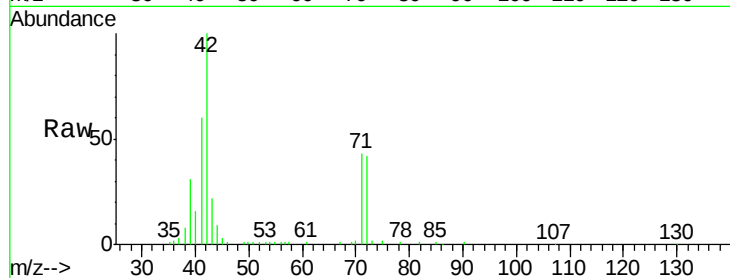
#29
Tetrahydrofuran
Concen: 90.461 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.2	52.8
71	43.2	32.5	48.7

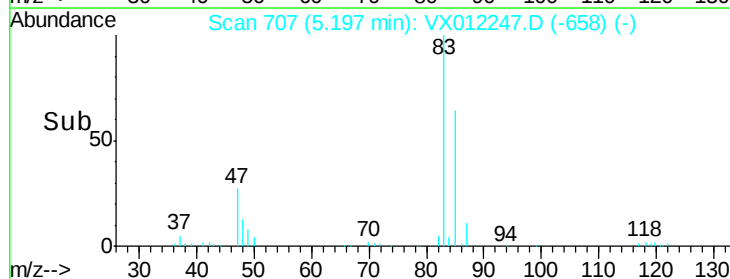
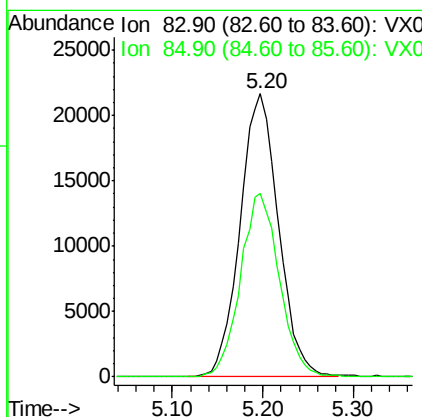
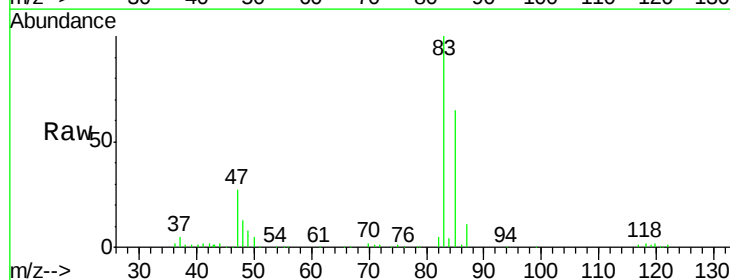
Manual Integrations
APPROVED

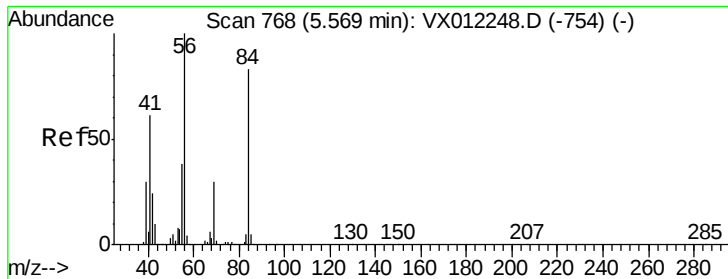
MMDadoda
9/12/2019 9:00:27 AM



#30
Chloroform
Concen: 18.741 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5





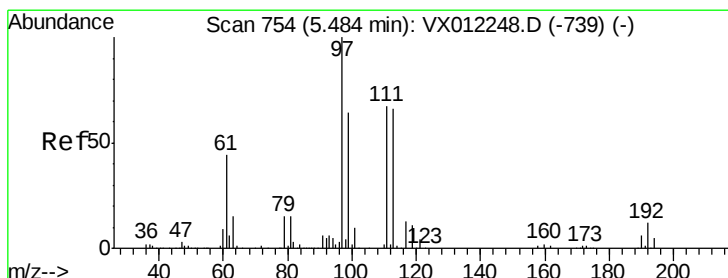
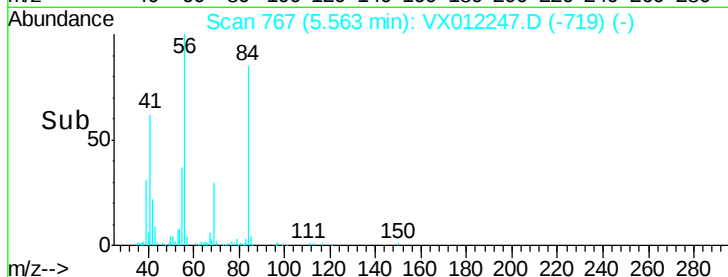
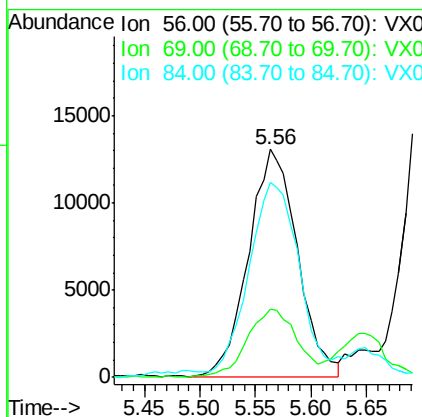
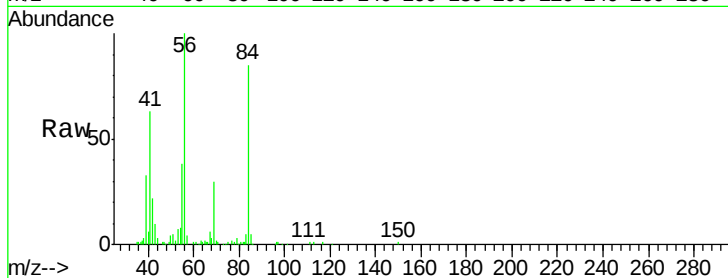
#31
Cyclohexane
Concen: 20.035 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.6
84	82.6	66.6	100.0

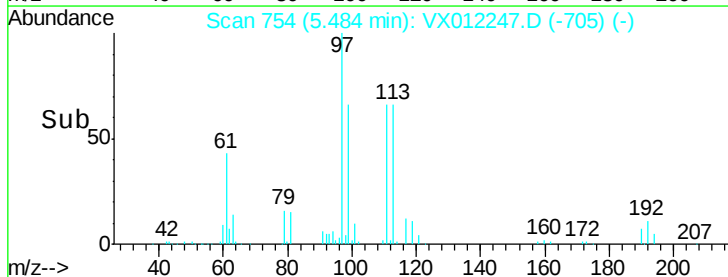
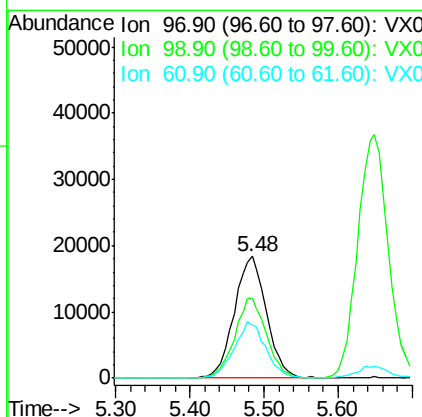
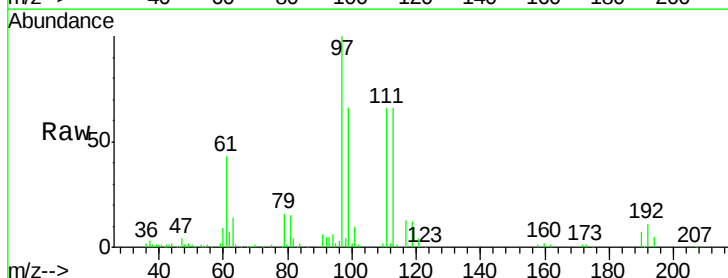
Manual Integrations
APPROVED

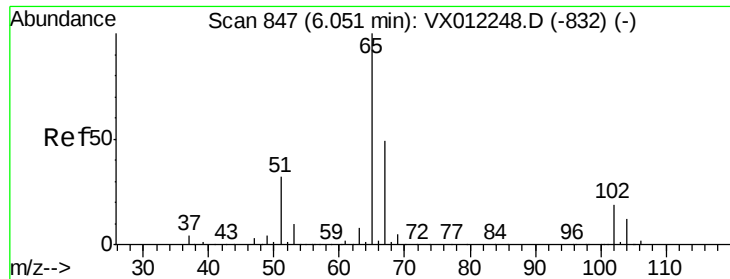
MMDadoda
9/12/2019 9:00:27 AM



#32
1,1,1-Trichloroethane
Concen: 19.734 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	45.4	35.4	53.0





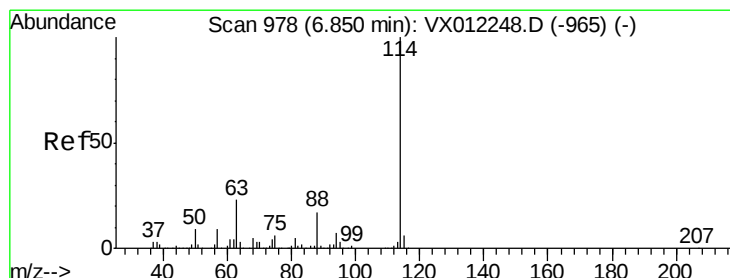
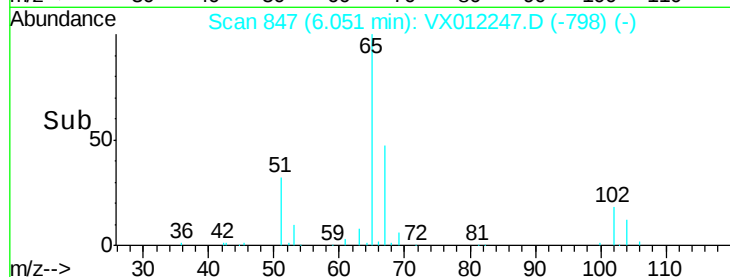
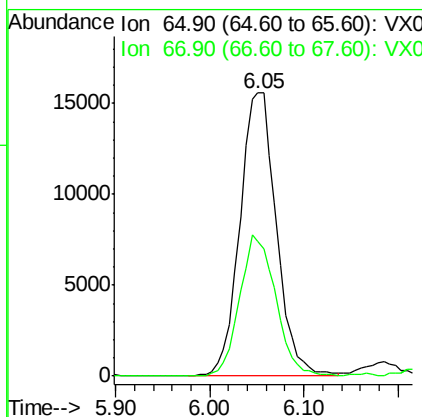
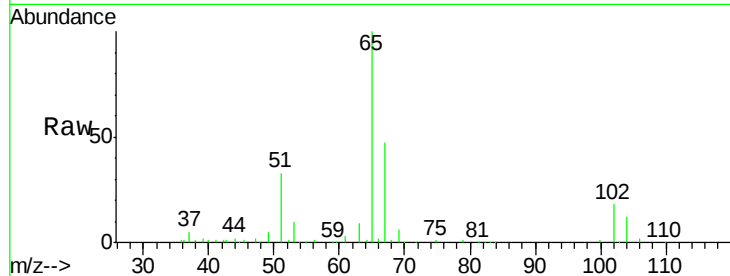
#33
 1,2-Dichloroethane-d4
 Concen: 19.350 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	42334		
67	49.4	0.0	99.8	

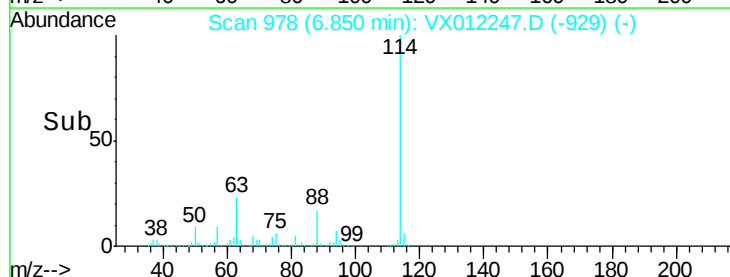
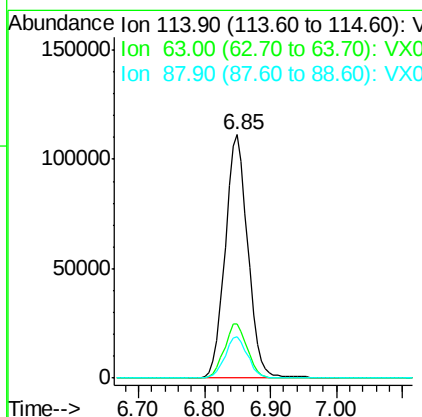
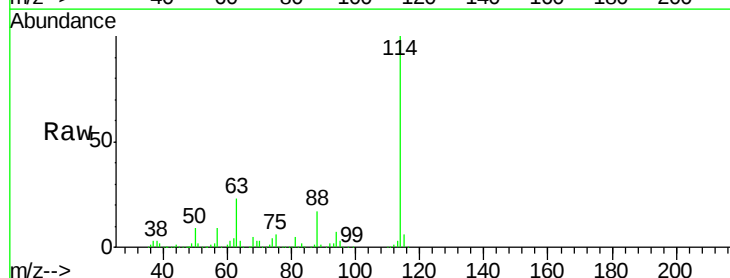
Manual Integrations
 APPROVED

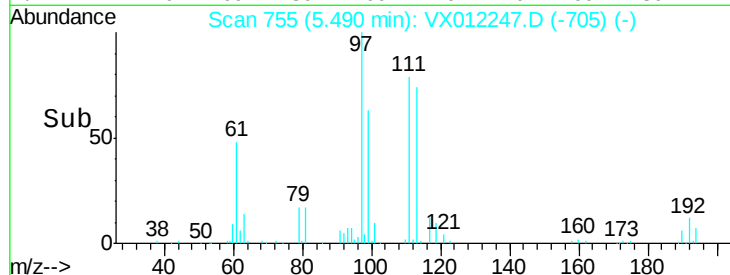
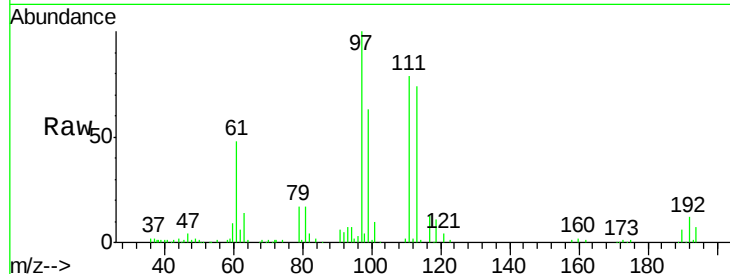
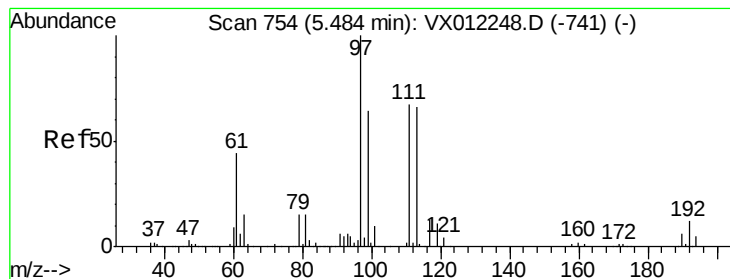
MMDadoda
 9/12/2019 9:00:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	264281		
63	22.5	0.0	45.2	
88	16.9	0.0	34.8	





#35

Dibromofluoromethane

Concen: 19.906 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tot Ion:	113	Resp:	35255
Ion Ratio	Lower	Upper	
113	100		
111	102.0	83.0	124.6
192	17.1	14.3	21.5

Instrument :

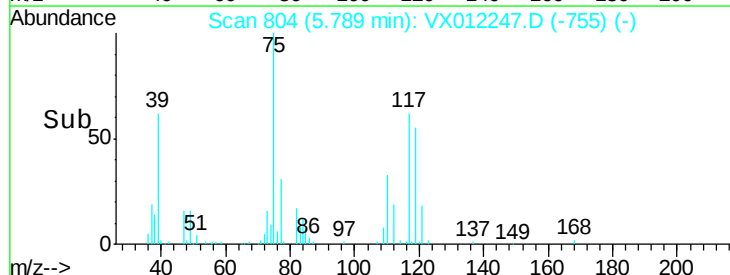
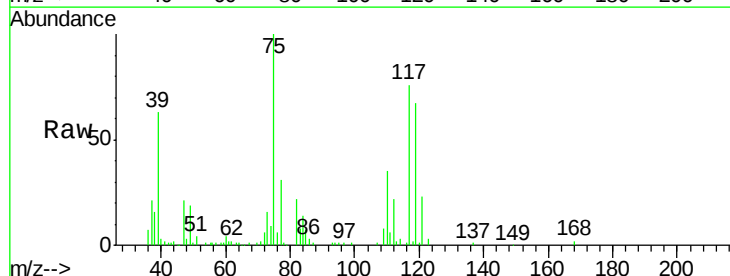
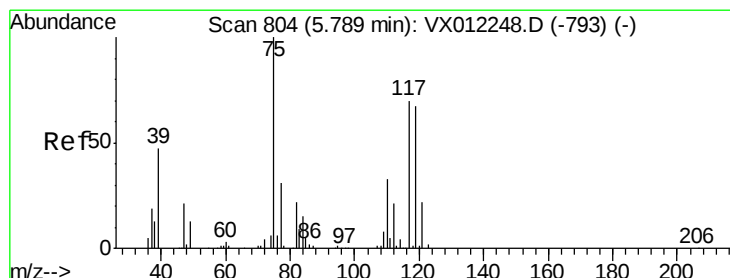
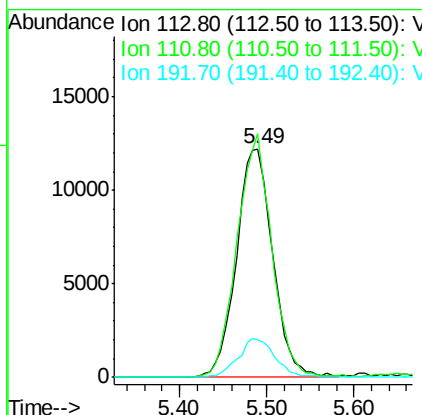
MSVOA_X

ClientSampleId :

VSTDIC020

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.603 ug/l

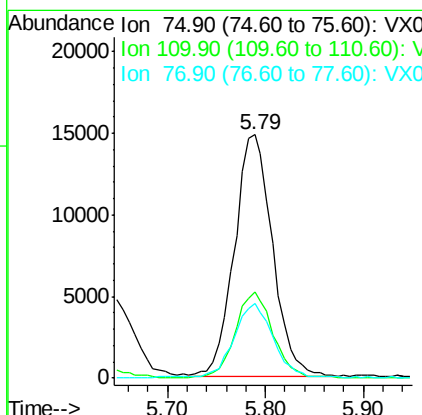
RT: 5.79 min Scan# 804

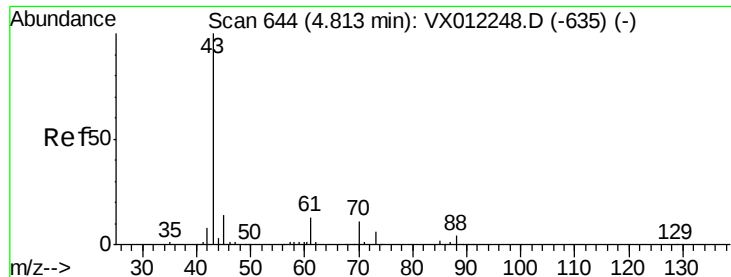
Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion:	75	Resp:	39861
Ion Ratio	Lower	Upper	
75	100		
110	35.5	16.8	50.4
77	32.9	24.5	36.7





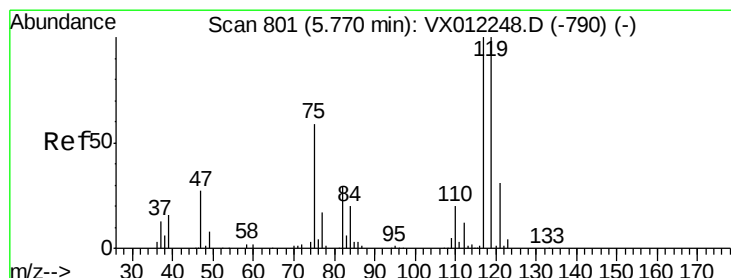
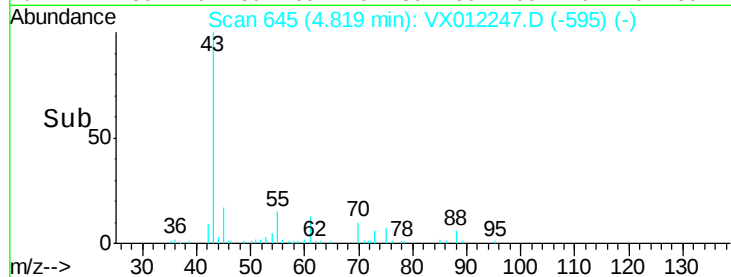
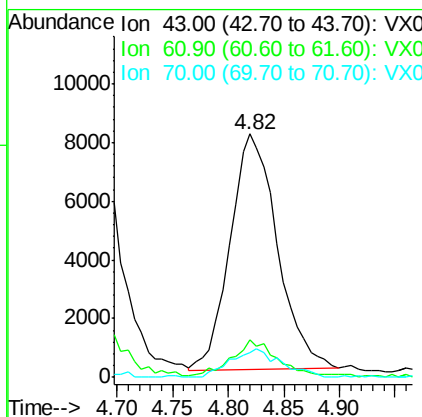
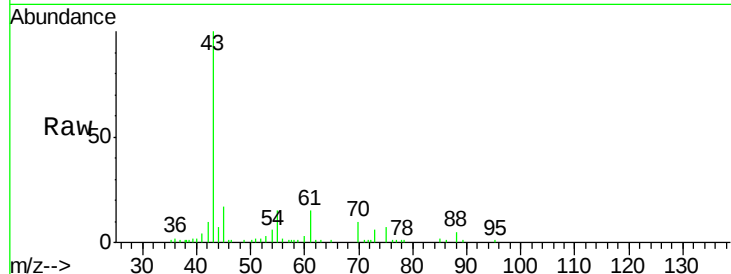
#37
Ethyl Acetate
Concen: 17.724 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	10.3	15.5#
70	12.8	9.1	13.7

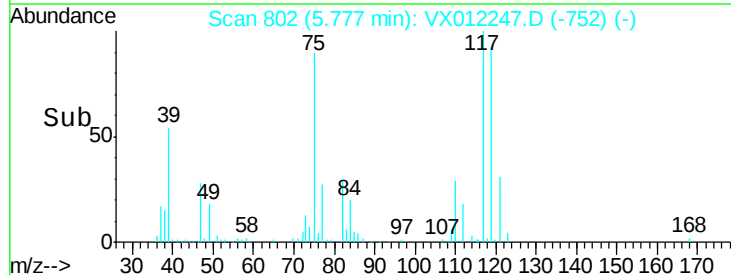
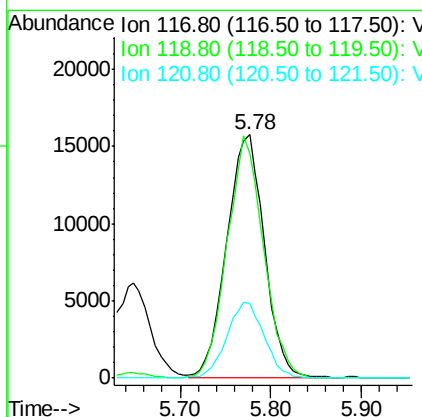
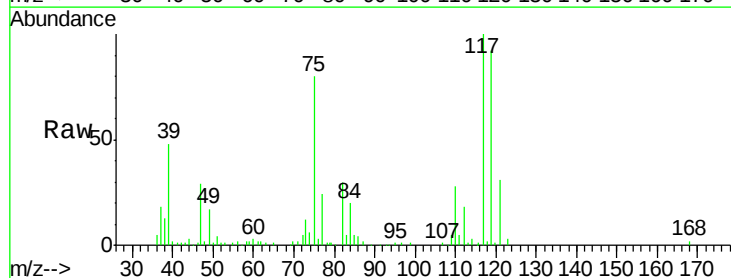
Manual Integrations
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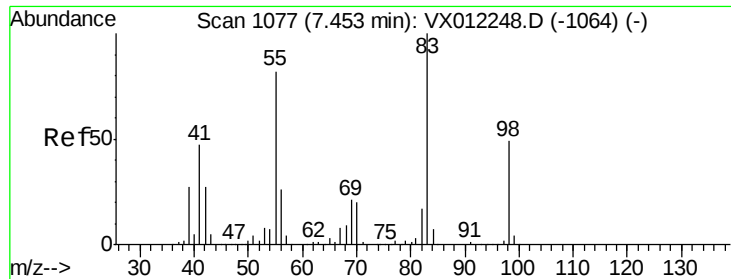
MMDadoda
9/12/2019 9:00:27 AM



#38
Carbon Tetrachloride
Concen: 19.612 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	79.6	119.4
121	30.7	24.7	37.1





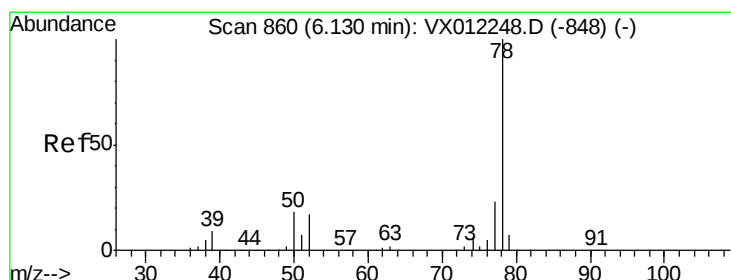
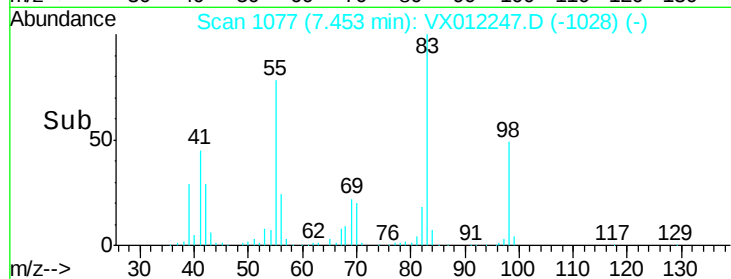
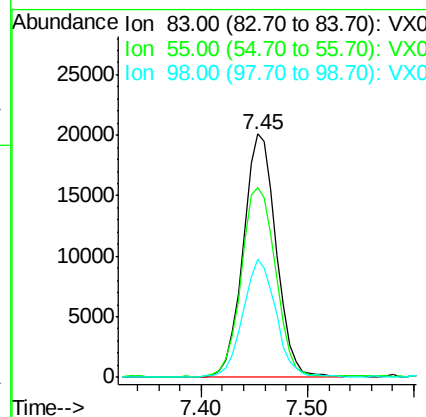
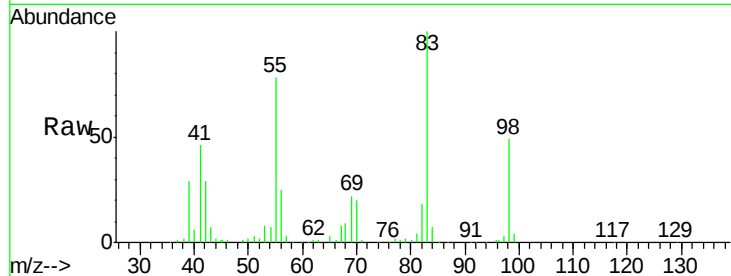
#39
Methvlcvclohexane
Concen: 20.509 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	65.4	98.2
98	48.6	39.6	59.4

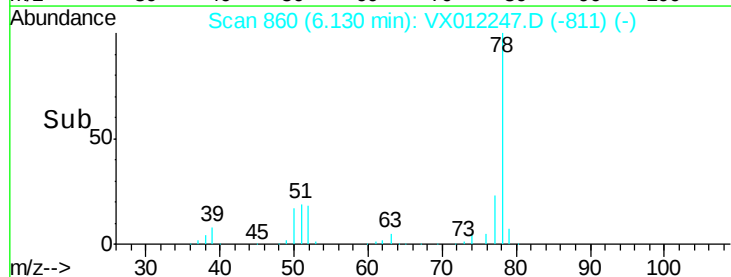
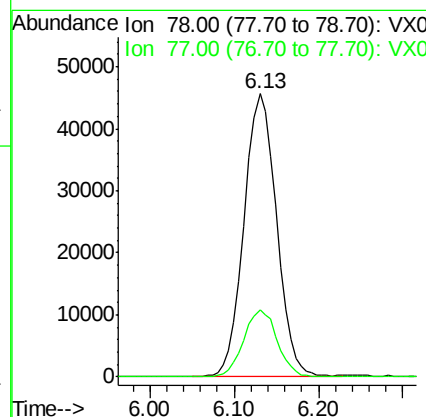
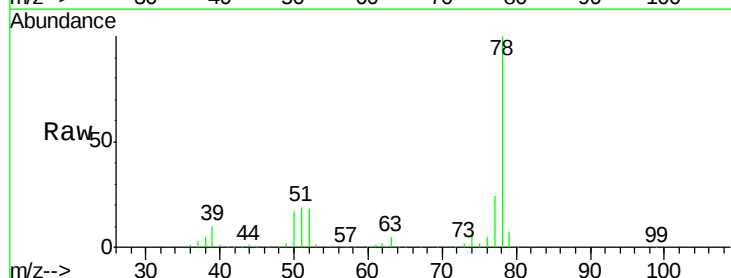
Manual Integrations
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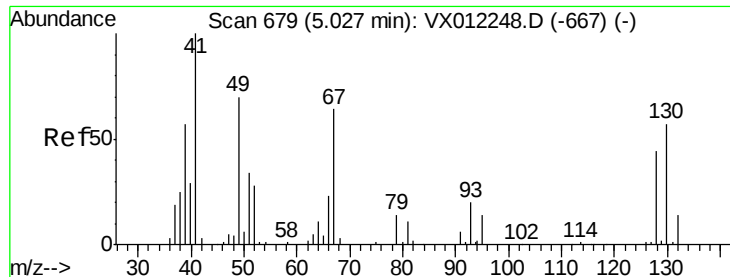
MMDadoda
9/12/2019 9:00:27 AM



#40
Benzene
Concen: 19.381 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.0	27.0





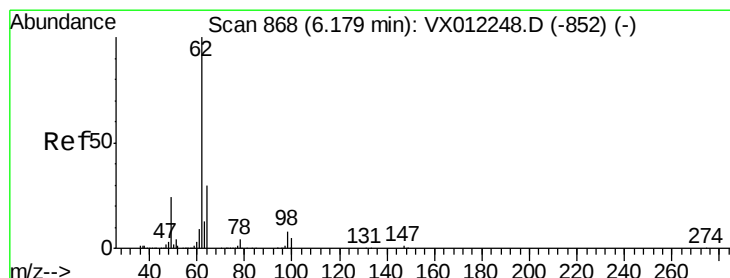
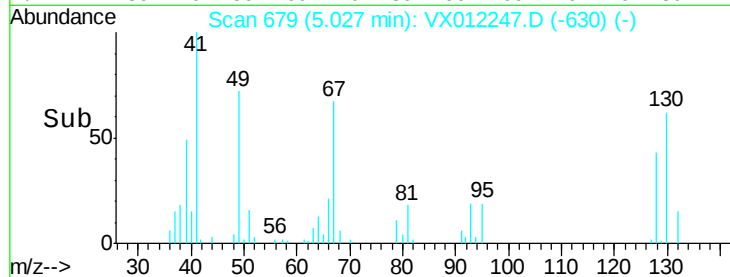
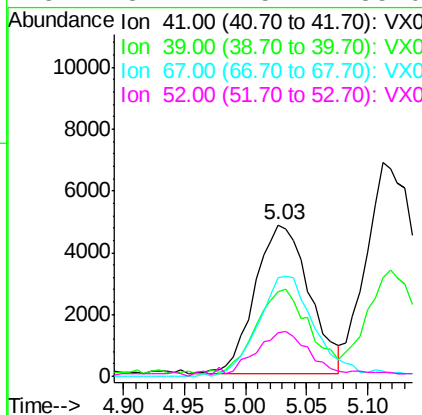
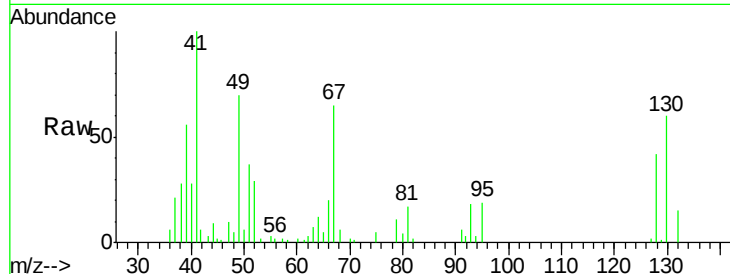
#41
Methacrylonitrile
Concen: 17.989 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	14913
Ion	Ratio	Lower	Upper
41	100		
39	56.0	49.0	73.4
67	68.5	55.0	82.4
52	32.7	25.4	38.0

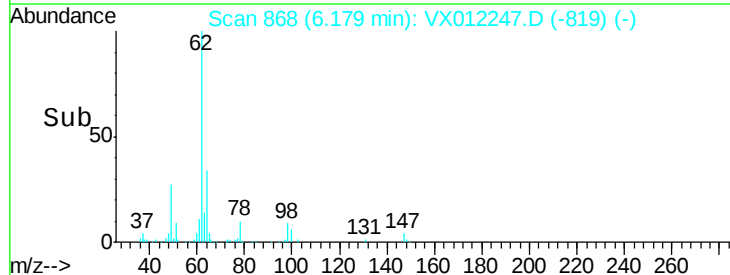
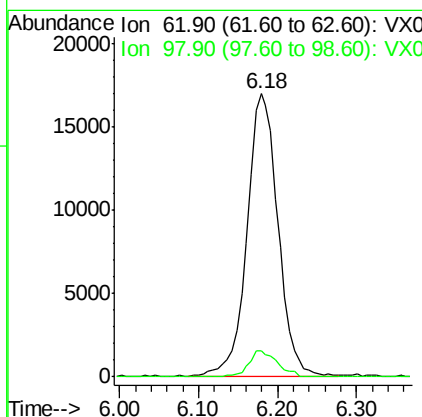
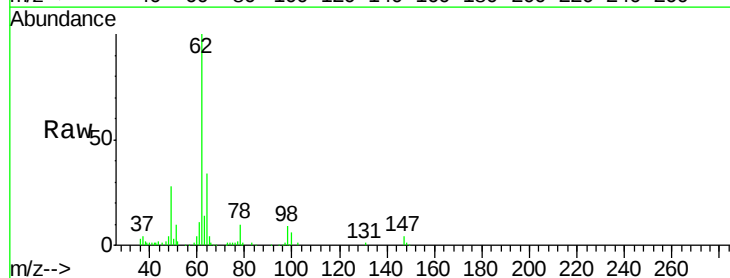
Manual Integrations
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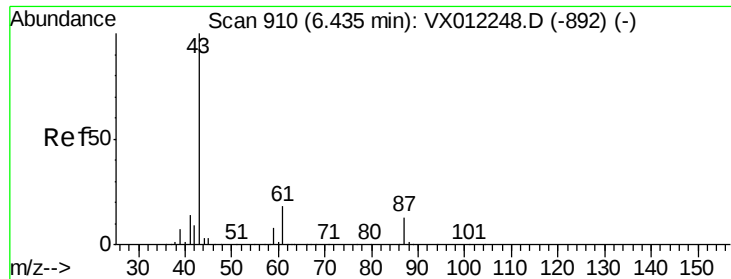
MMDadoda
9/12/2019 9:00:27 AM



#42
1,2-Dichloroethane
Concen: 18.709 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion:	62	Resp:	46643
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2





#43

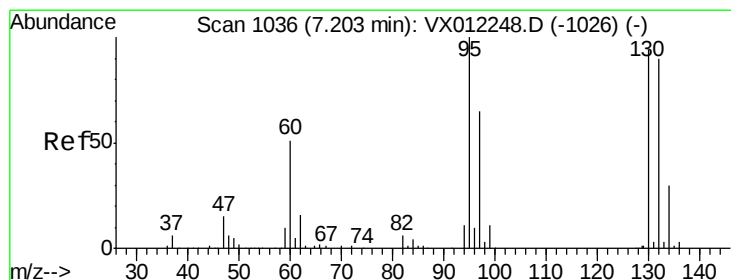
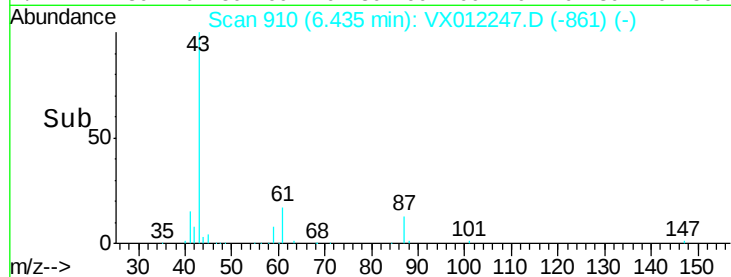
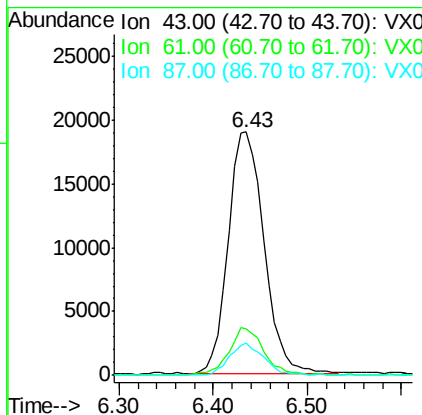
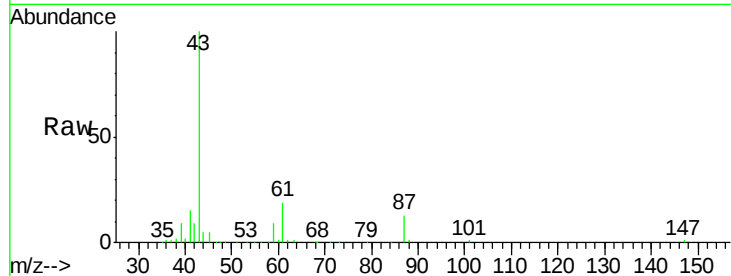
Isopropyl Acetate
 Concen: 18.110 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	12.9	10.5	15.7

Manual Integrations
 APPROVED

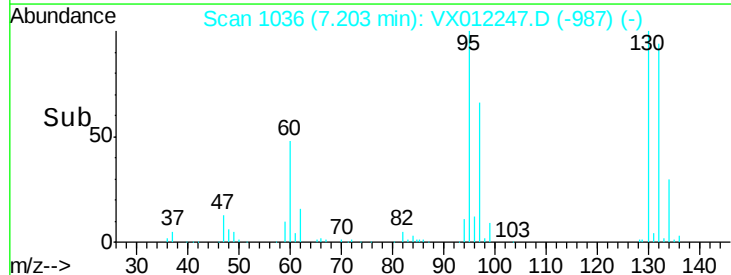
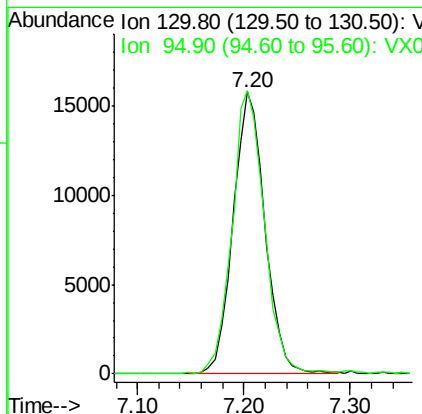
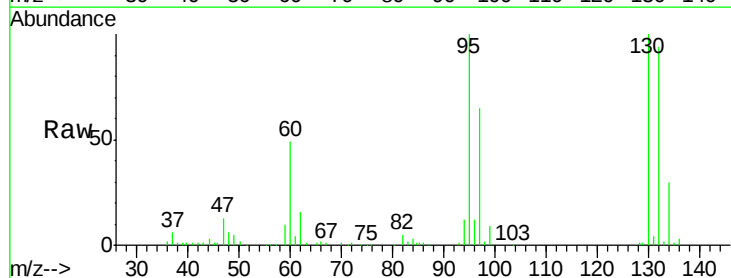
MMDadoda
 9/12/2019 9:00:27 AM

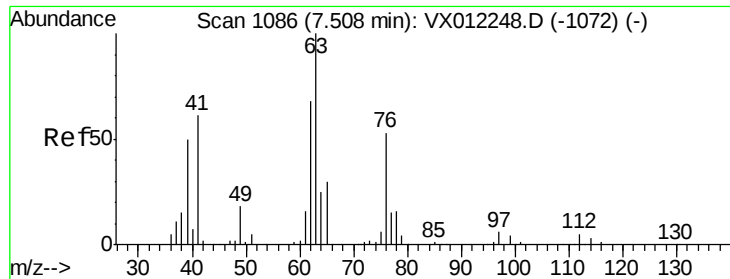


#44

Trichloroethene
 Concen: 19.884 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	212.0





#45

1,2-Dichloropropane

Concen: 18.331 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 31921

Ion Ratio Lower Upper

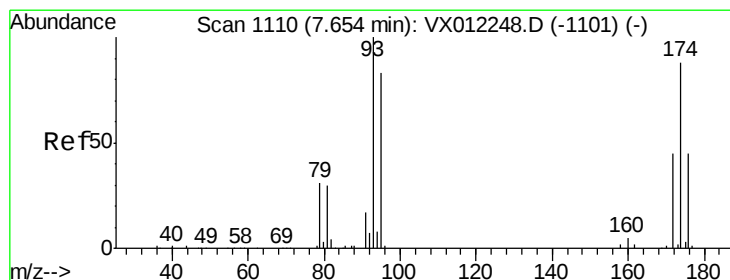
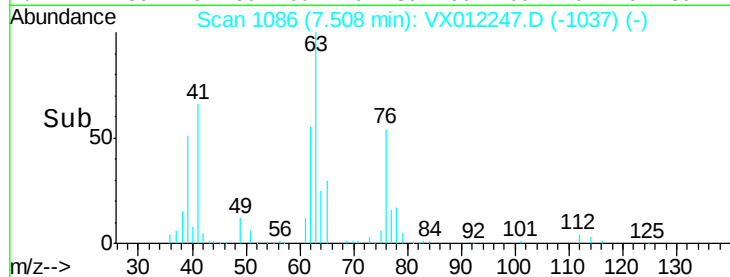
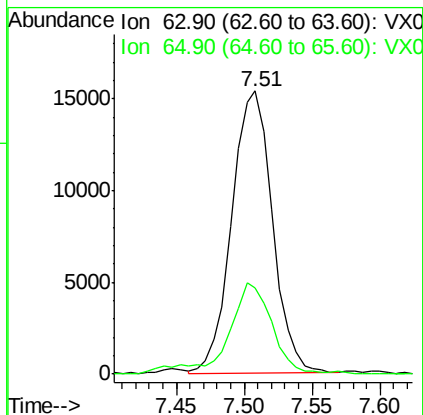
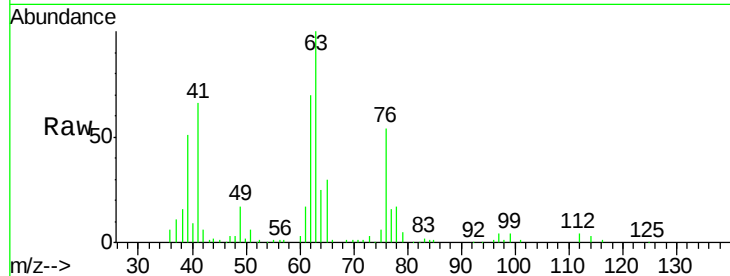
63 100

65 29.5 24.3 36.5

Manual Integrations
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9/12/2019 9:00:27 AM



#46

Dibromomethane

Concen: 17.770 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

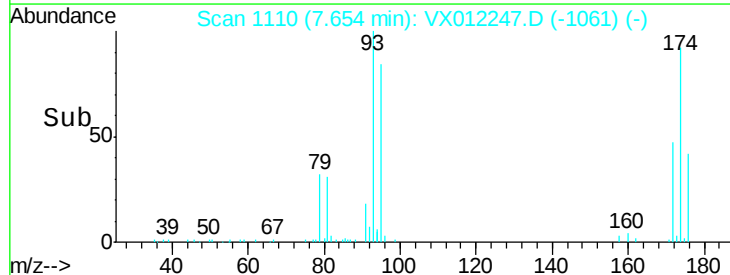
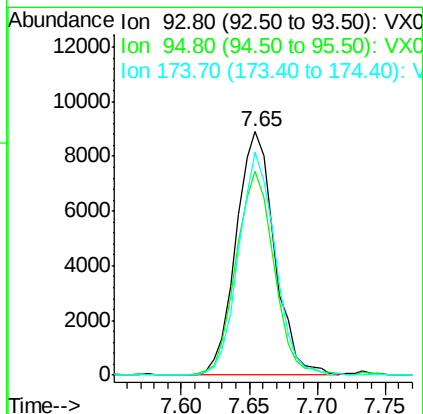
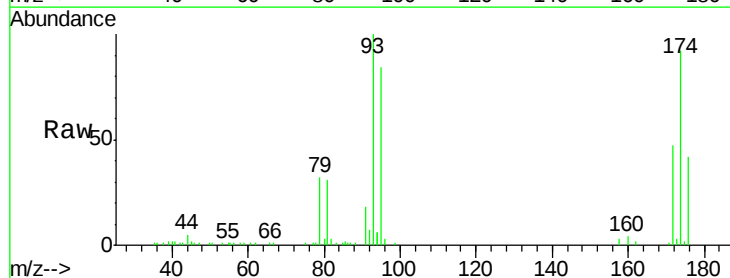
Tgt Ion: 93 Resp: 17599

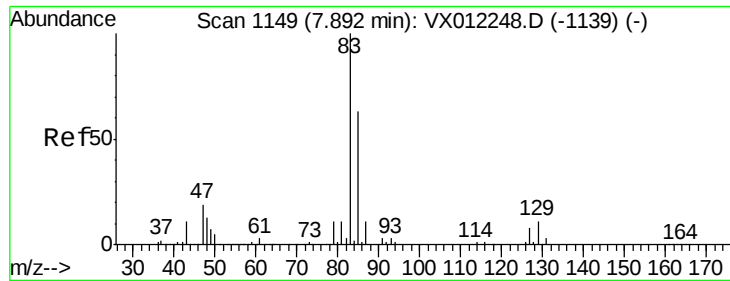
Ion Ratio Lower Upper

93 100

95 82.6 65.7 98.5

174 87.0 71.0 106.4





#47

Bromodichloromethane

Concen: 17.999 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

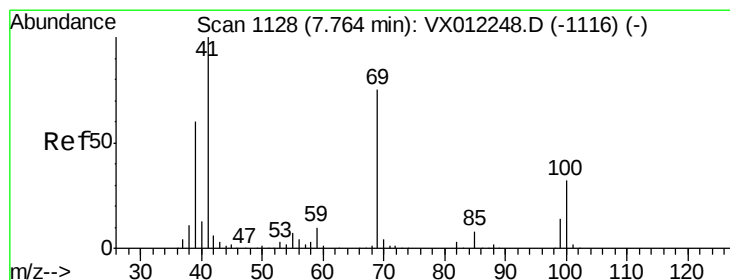
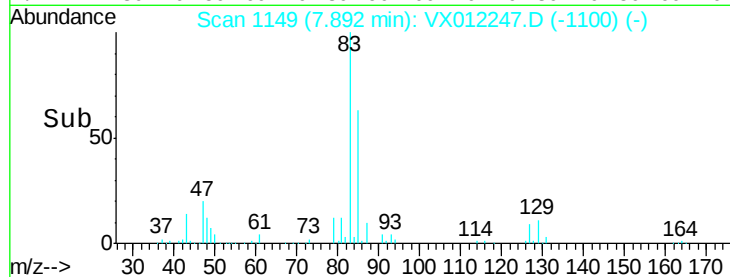
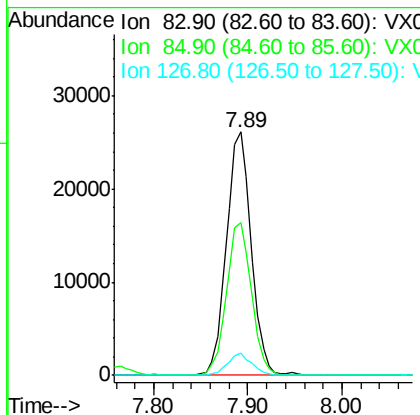
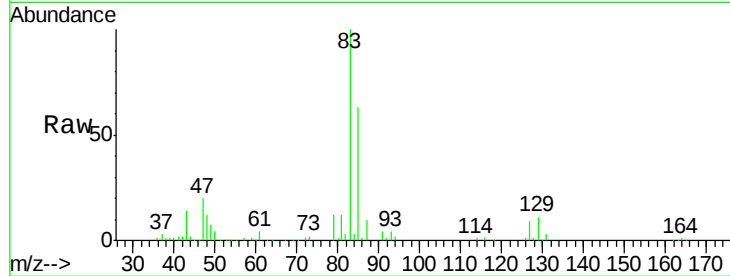
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	47711
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.4
127	9.0	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.075 ug/l

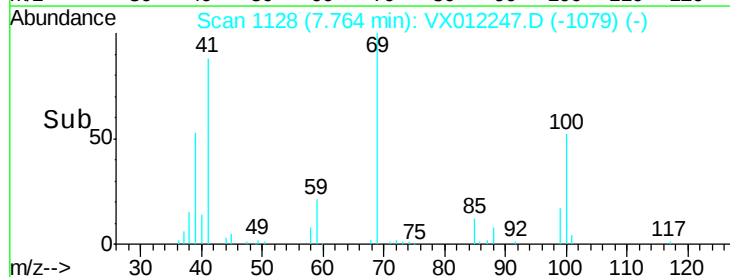
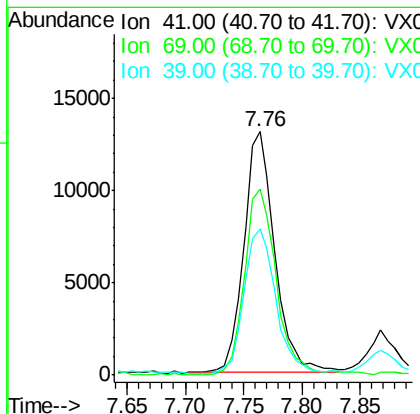
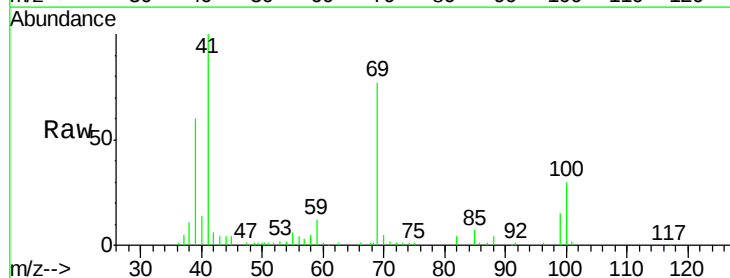
RT: 7.76 min Scan# 1128

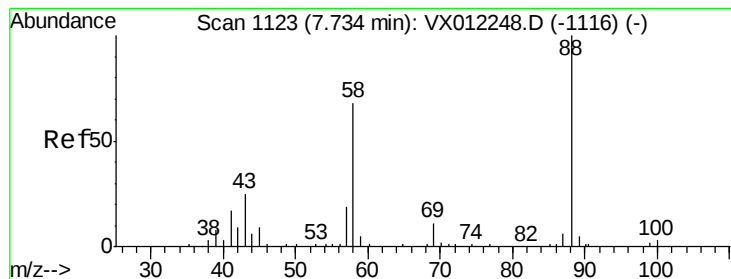
Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion:	41	Resp:	24152
Ion	Ratio	Lower	Upper
41	100		
69	80.6	61.8	92.6
39	62.6	48.6	73.0





#49

1,4-Dioxane

Concen: 371.065 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

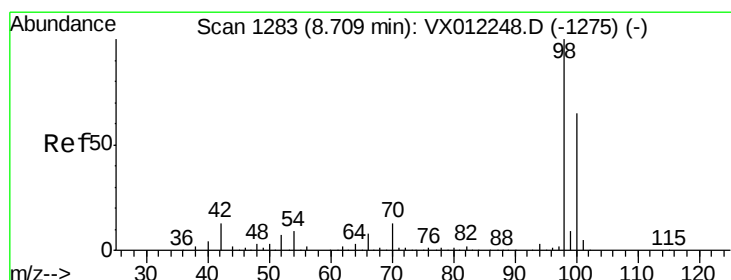
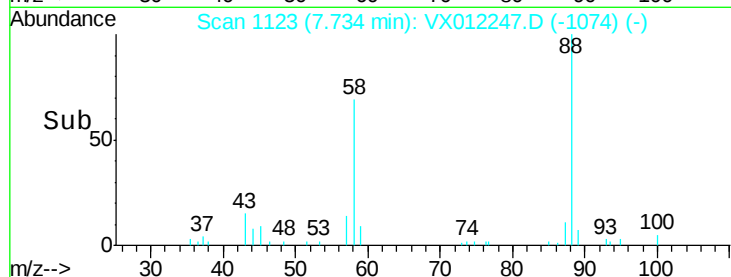
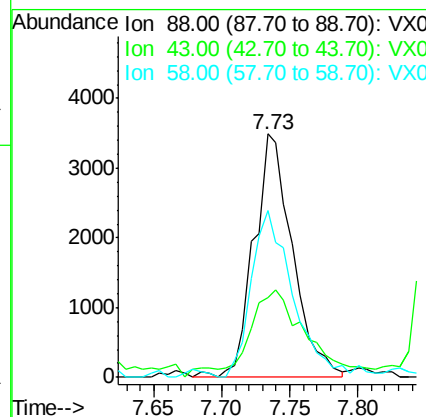
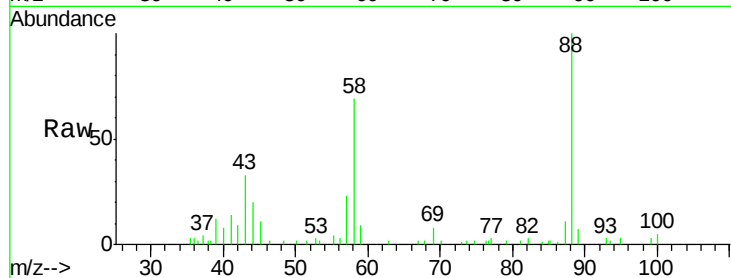
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	6959
Ion	Ratio	Lower	Upper
88	100		
43	54.2	31.0	46.4#
58	73.4	61.5	92.3

Manual Integrations
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#50

Toluene-d8

Concen: 18.249 ug/l

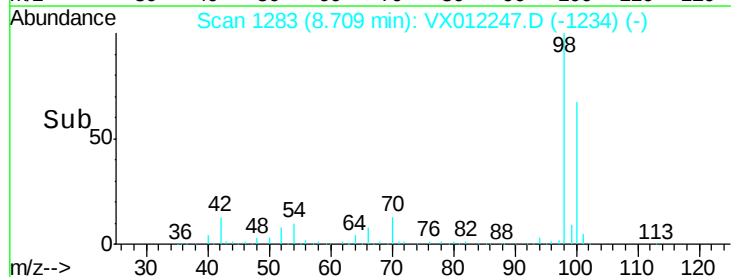
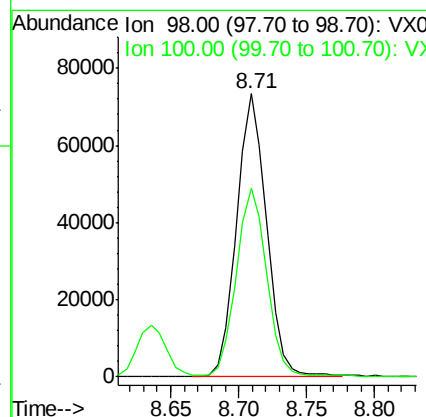
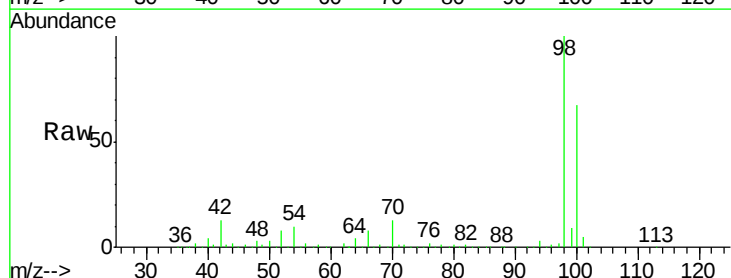
RT: 8.71 min Scan# 1283

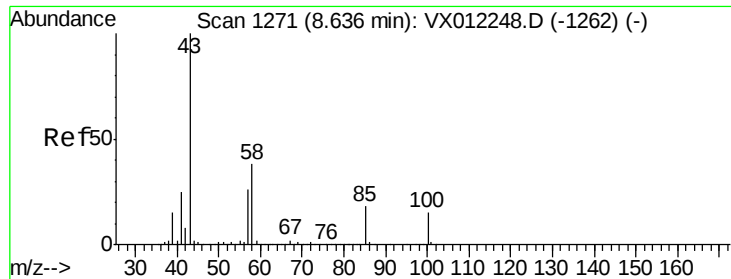
Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion:	98	Resp:	113044
Ion	Ratio	Lower	Upper
98	100		
100	67.8	54.1	81.1





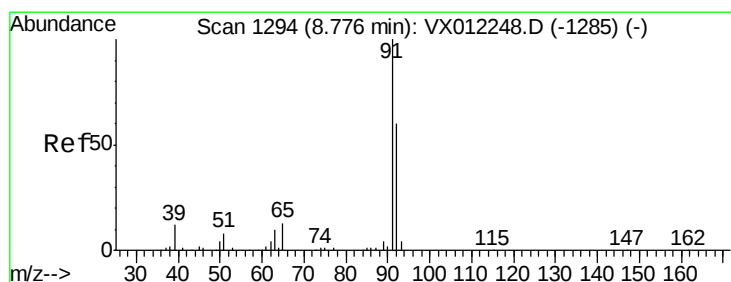
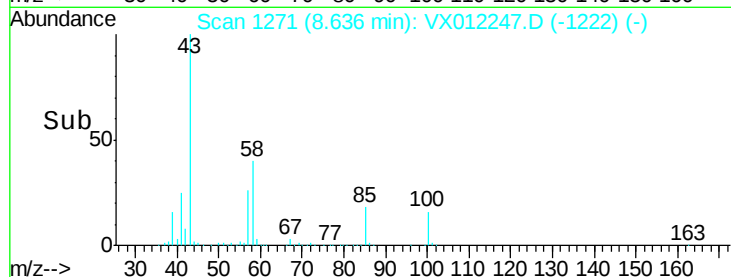
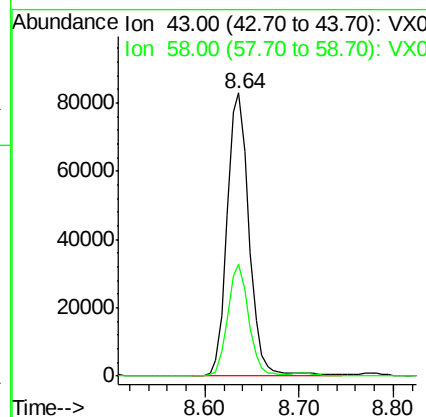
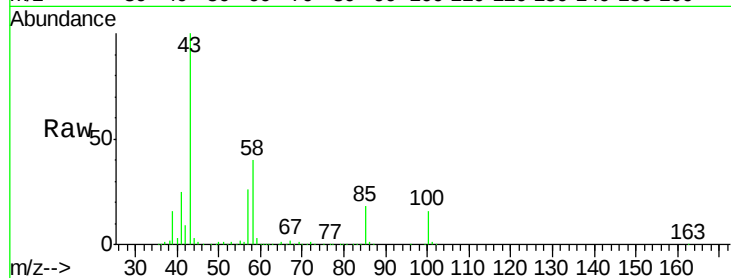
#51
4-Methyl-2-Pentanone
Concen: 92.671 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	134070
Ion Ratio	100	Lower	Upper
43	100		
58	37.6	30.1	45.1

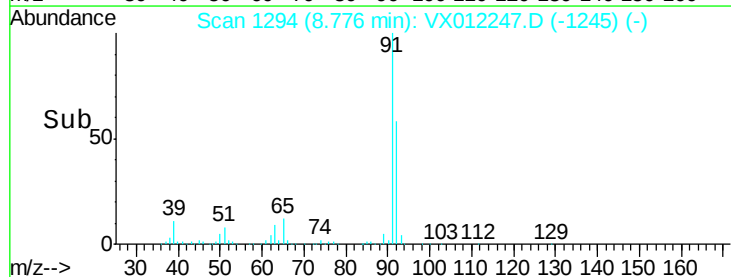
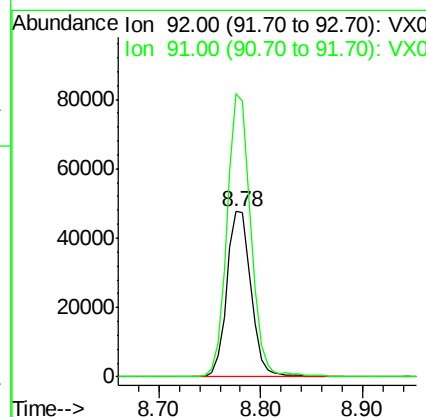
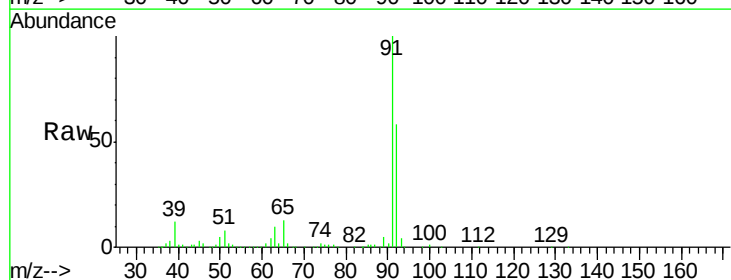
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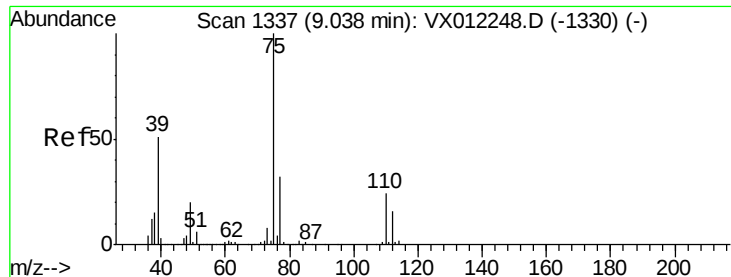
MMDadoda
9/12/2019 9:00:27 AM



#52
Toluene
Concen: 19.248 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	92	Resp	78869
Ion Ratio	100	Lower	Upper
92	100		
91	167.9	133.6	200.4





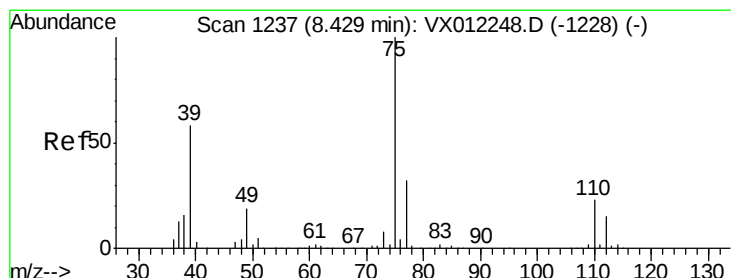
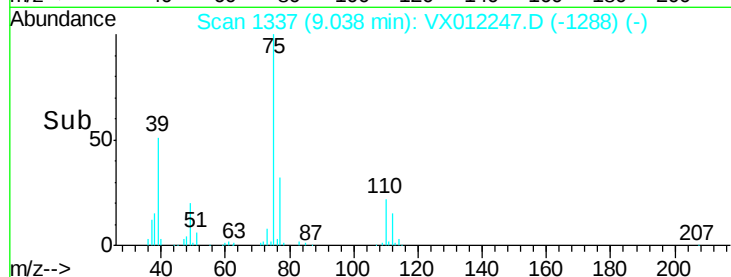
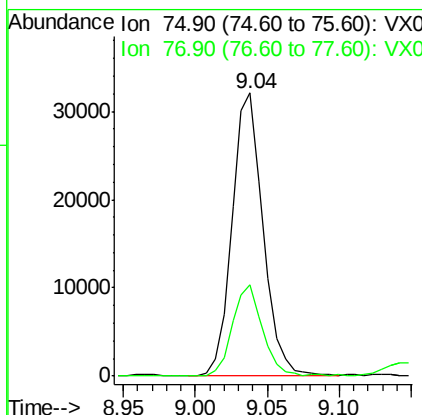
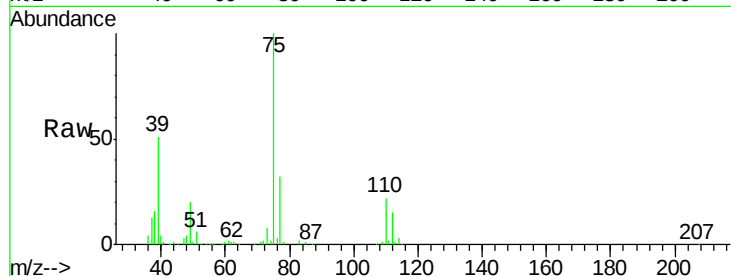
#53
t-1,3-Dichloropropene
Concen: 18.271 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6

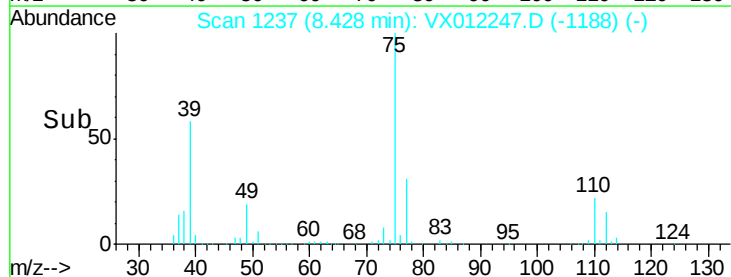
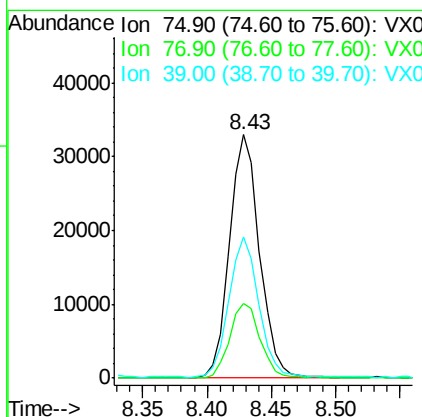
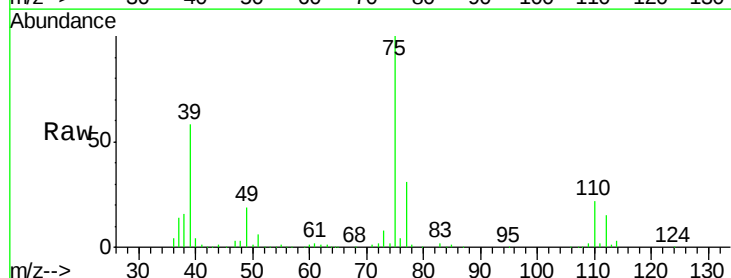
Manual Integrations
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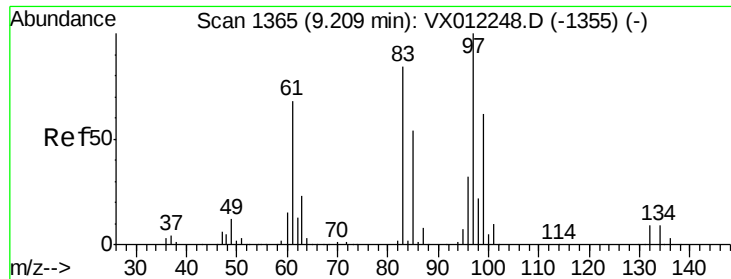
MMDadoda
9/12/2019 9:00:27 AM



#54
cis-1,3-Dichloropropene
Concen: 18.688 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2
39	57.5	46.5	69.7





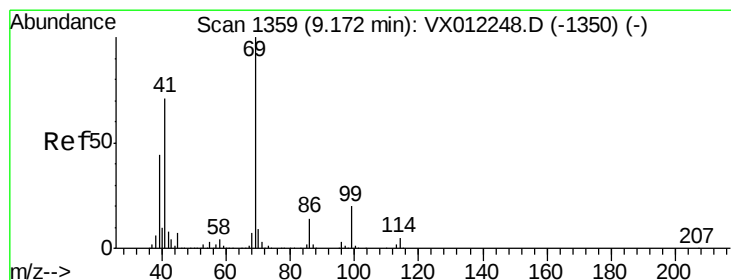
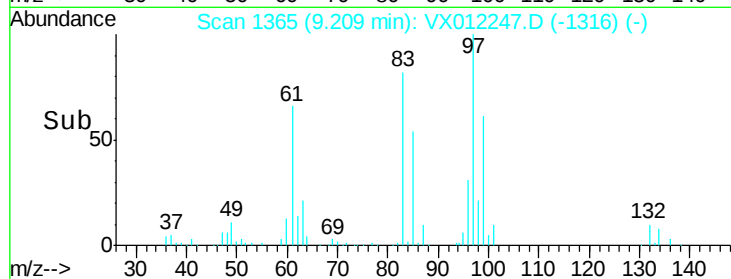
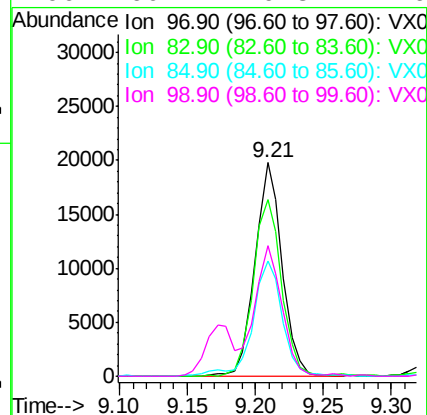
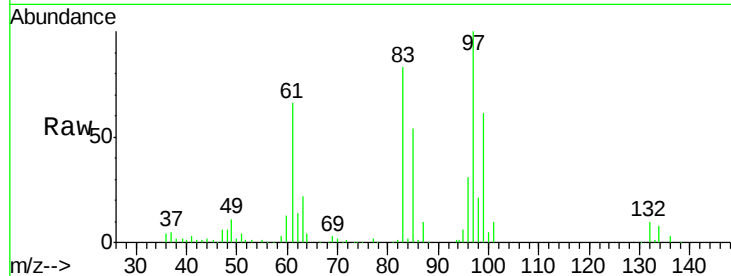
#55
 1,1,2-Trichloroethane
 Concen: 18.431 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	27703
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.4	101.2
85	53.6	43.4	65.2
99	60.4	49.8	74.6

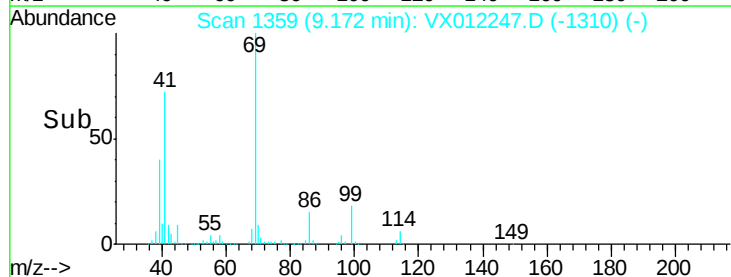
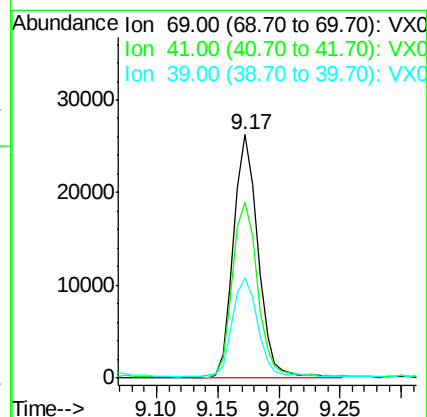
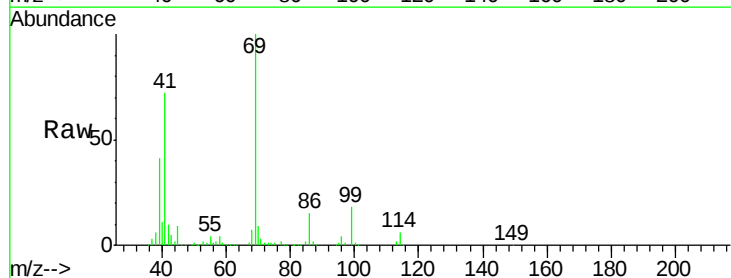
Manual Integrations
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 9/12/2019 9:00:27 AM



#56
 Ethyl methacrylate
 Concen: 17.484 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion:	69	Resp:	36739
Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.7	86.5
39	43.1	34.0	51.0





#57

1,3-Dichloropropane

Concen: 19.038 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 48915

Ion Ratio Lower Upper

76 100

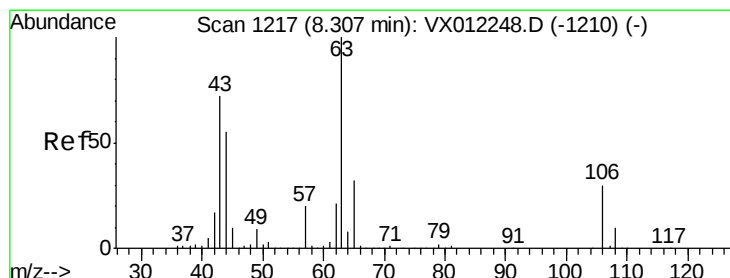
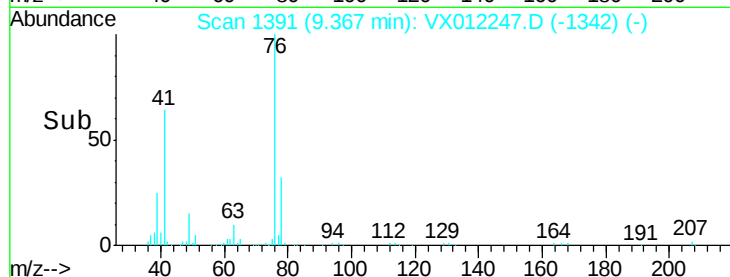
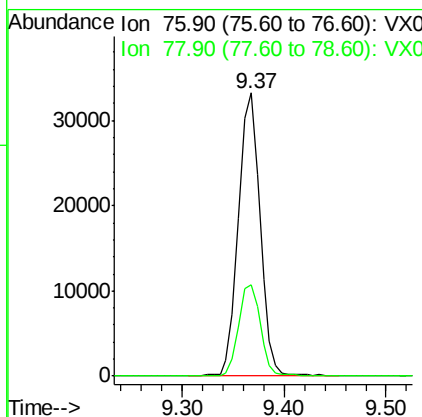
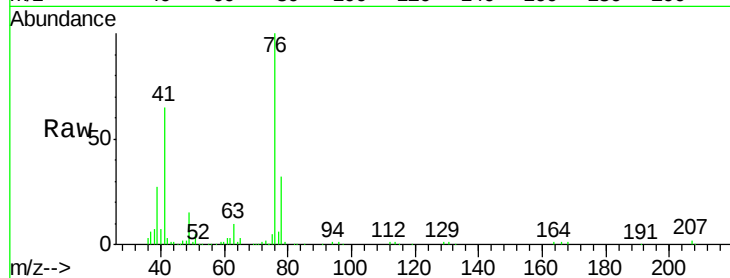
78 32.6 26.0 39.0

Manual Integrations

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MMDadoda

9/12/2019 9:00:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.474 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012247.D

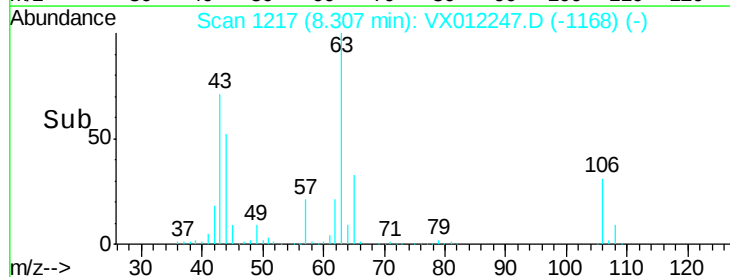
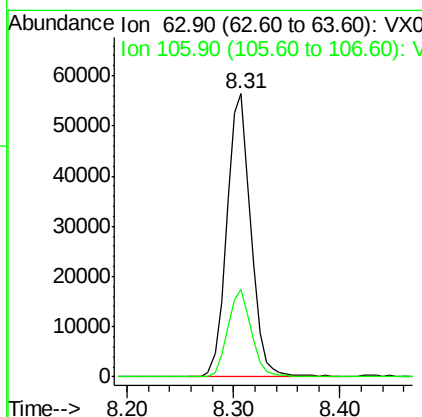
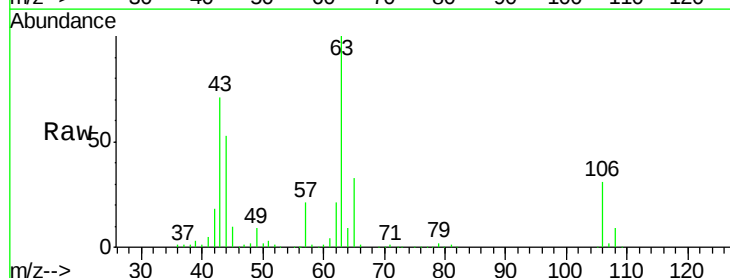
Acq: 10 Sep 2019 10:01

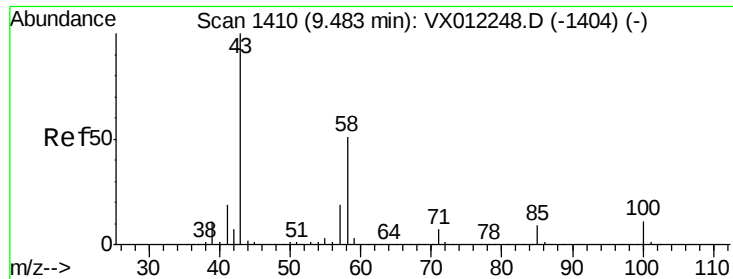
Tgt Ion: 63 Resp: 88285

Ion Ratio Lower Upper

63 100

106 30.6 23.4 35.2





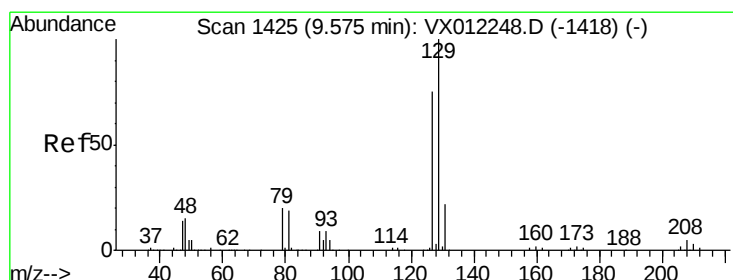
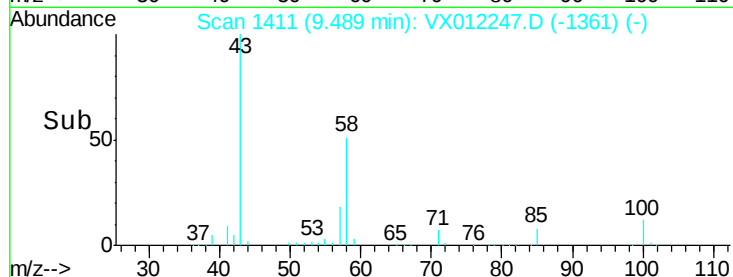
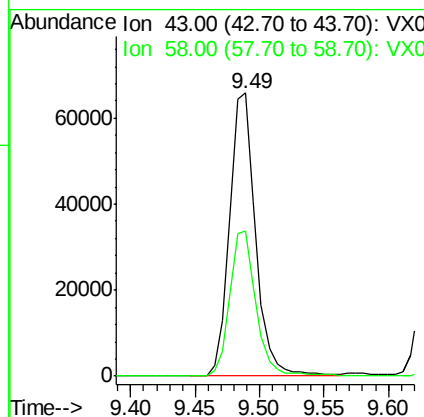
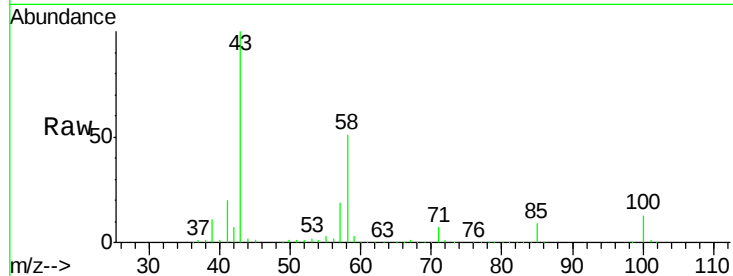
#59
2-Hexanone
Concen: 90.746 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 93276
Ion Ratio Lower Upper
43 100
58 52.5 25.8 77.3

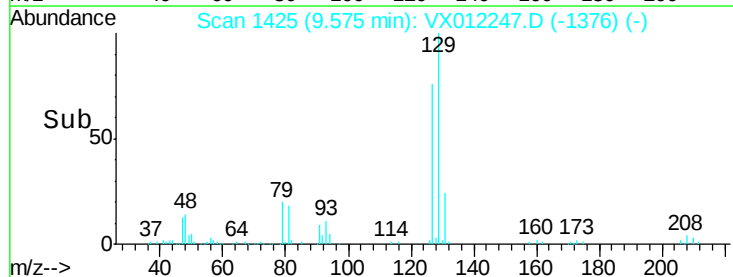
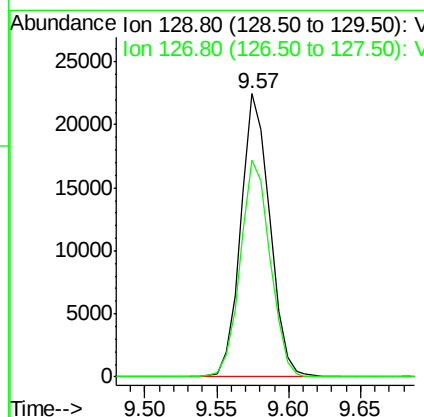
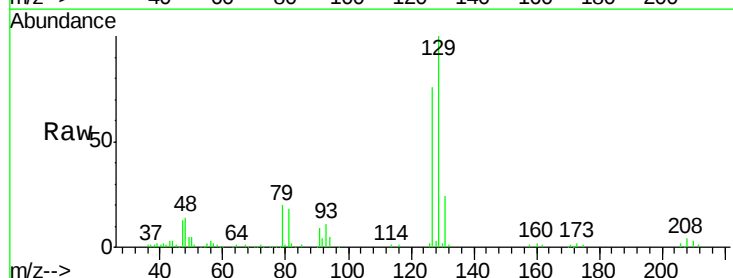
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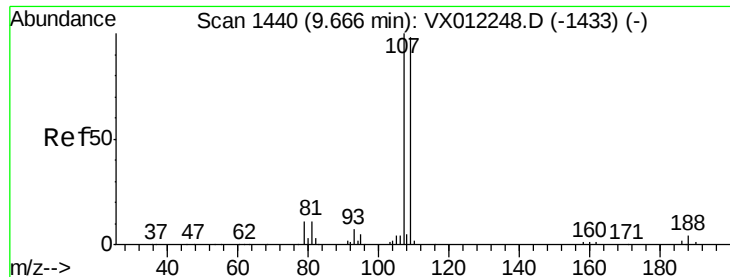
MMDadoda
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#60
Dibromochloromethane
Concen: 17.579 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion: 129 Resp: 31339
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3





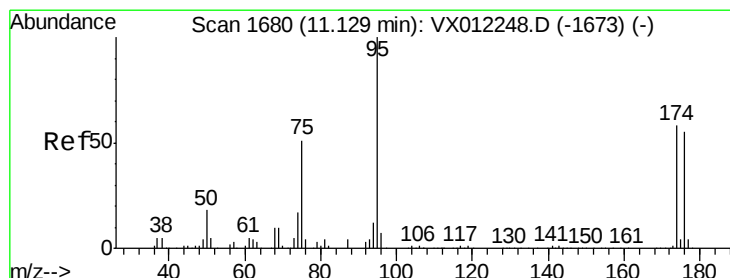
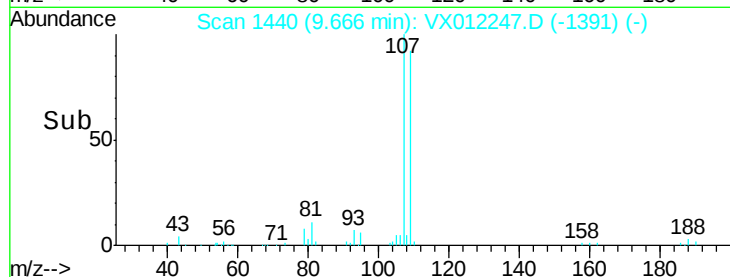
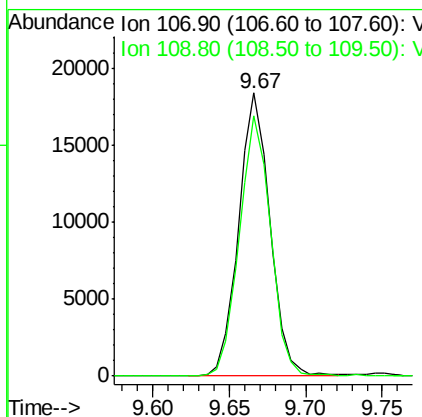
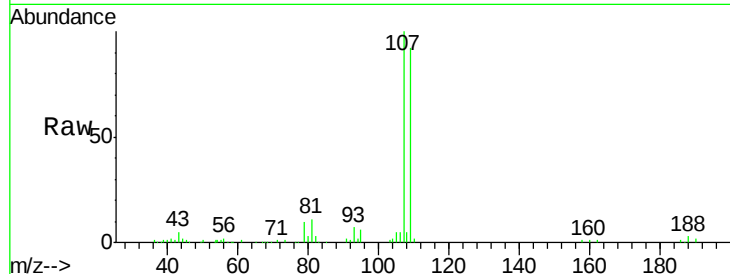
#61
 1,2-Dibromoethane
 Concen: 18.667 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	76.3	114.5

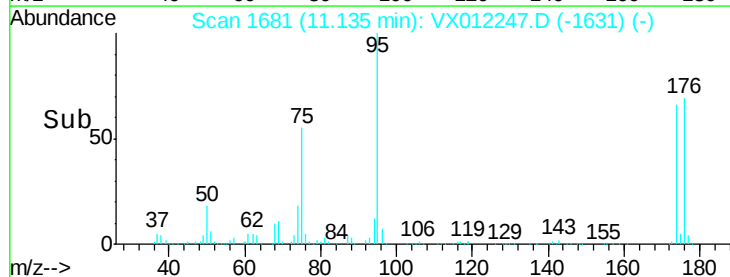
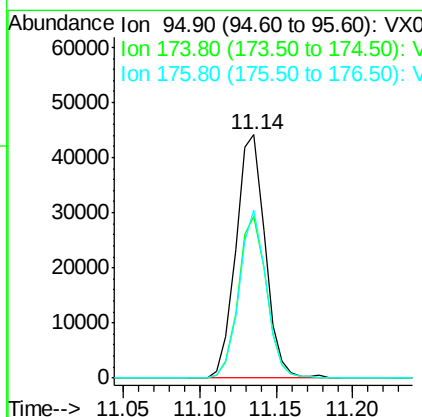
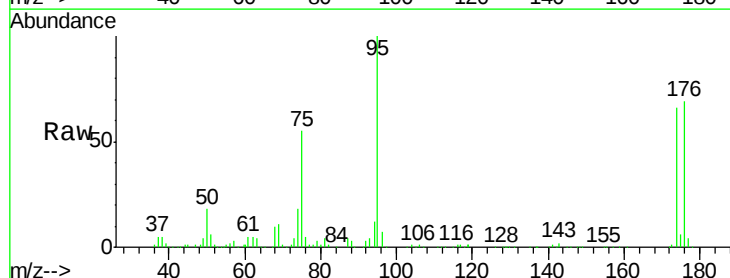
Manual Integrations
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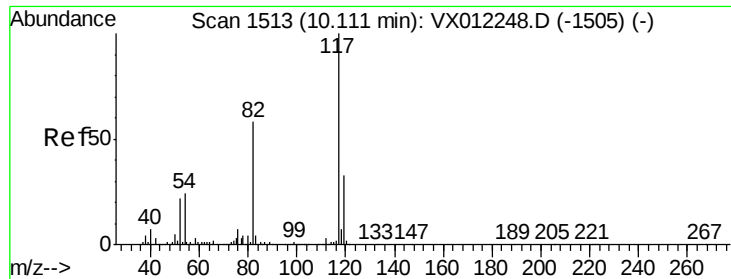
MMDadoda
 9/12/2019 9:00:27 AM



#62
 4-Bromofluorobenzene
 Concen: 20.351 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.0	0.0	127.0
176	64.1	0.0	125.8





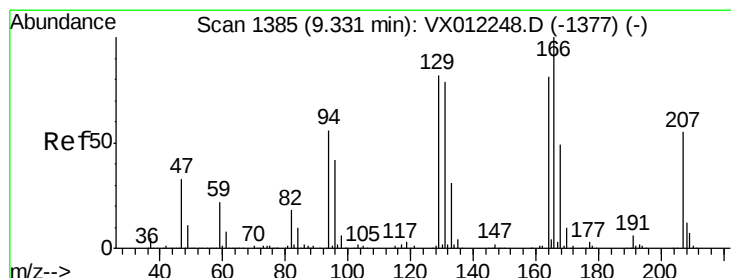
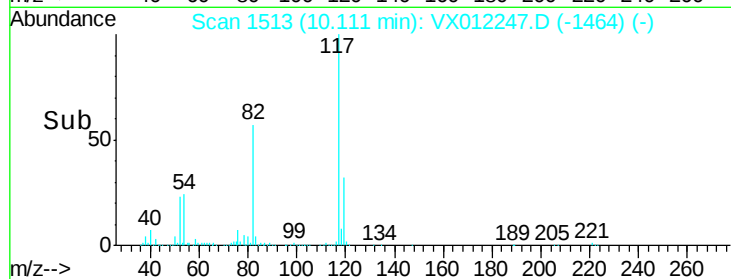
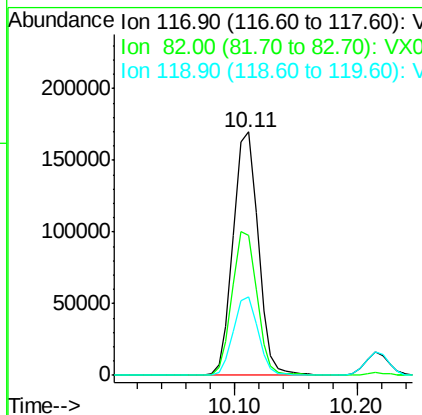
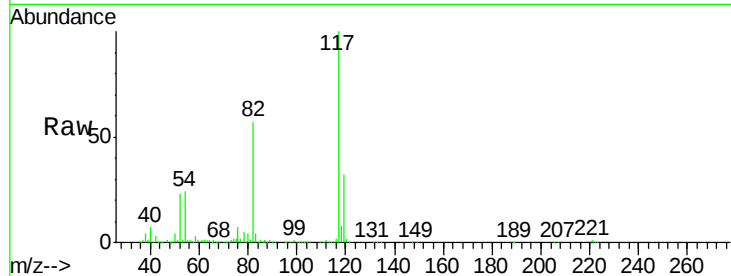
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240955		
82	57.4	46.4	69.6	
119	32.1	26.6	39.8	

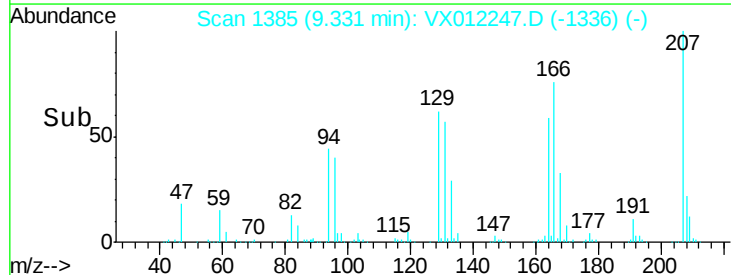
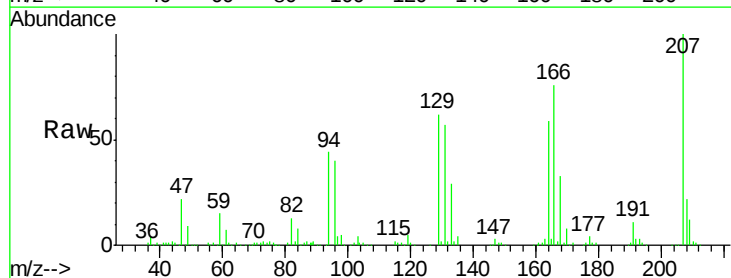
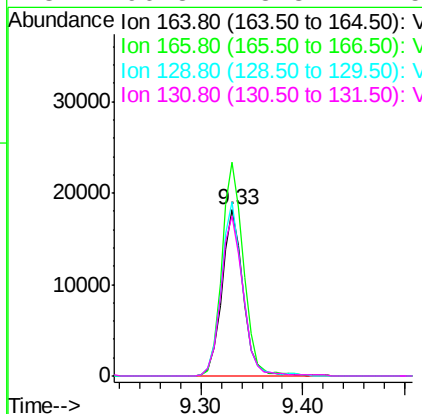
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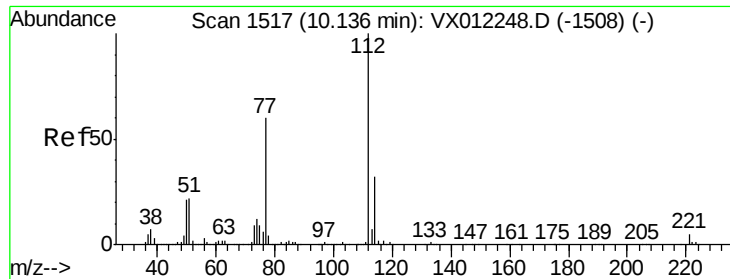
MMDadoda
9/12/2019 9:00:27 AM



#64
Tetrachloroethene
Concen: 19.592 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26342		
166	128.8	99.4	149.0	
129	104.9	81.8	122.8	
131	96.8	78.3	117.5	





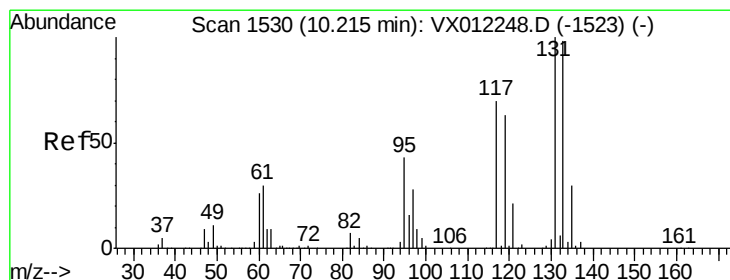
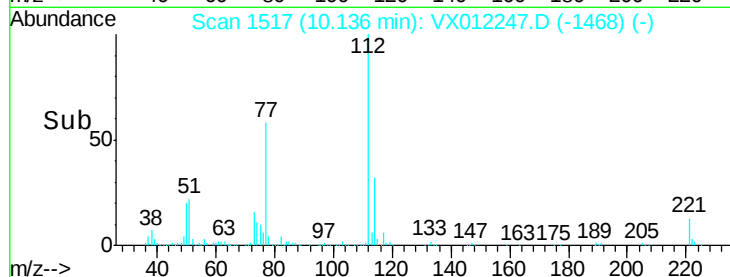
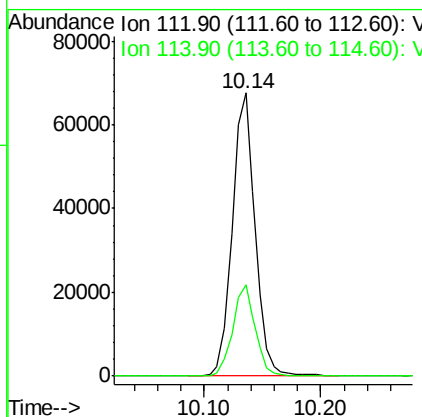
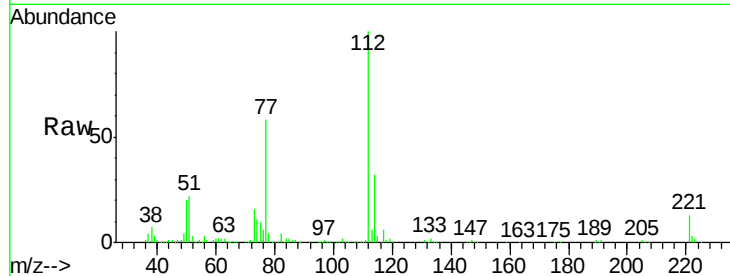
#65
Chlorobenzene
Concen: 19.065 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0

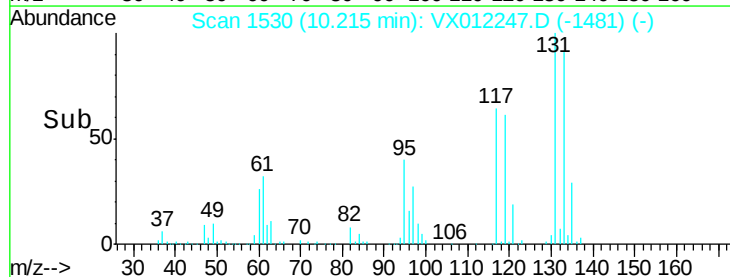
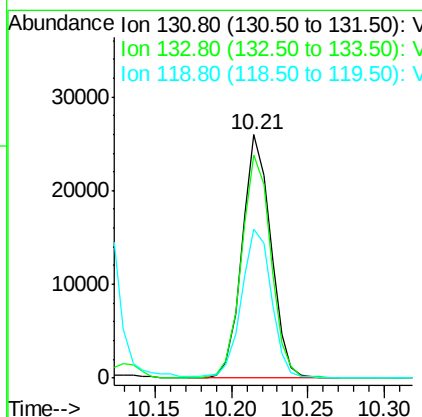
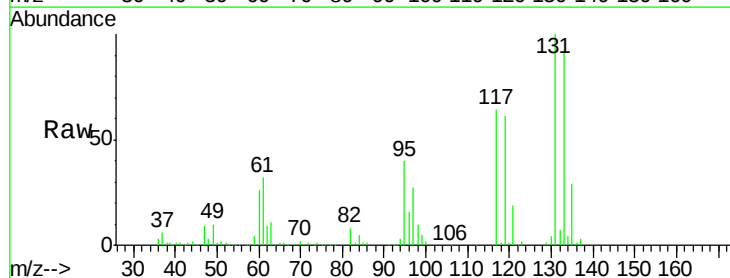
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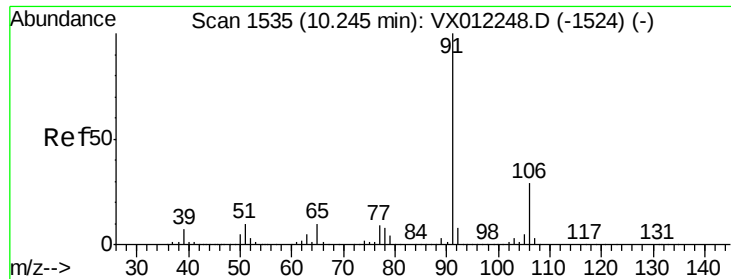
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.331 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.0	144.2
119	63.9	31.6	95.0





#67

Ethyl Benzene

Concen: 19.122 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 161844

Ion Ratio Lower Upper

91 100

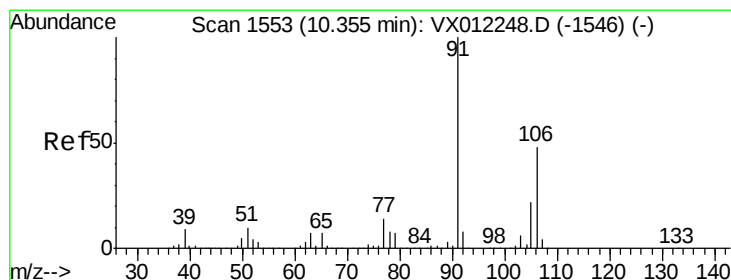
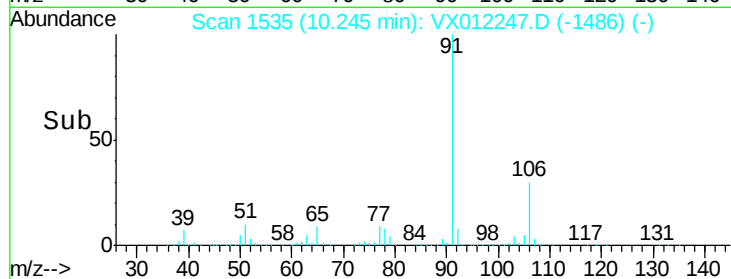
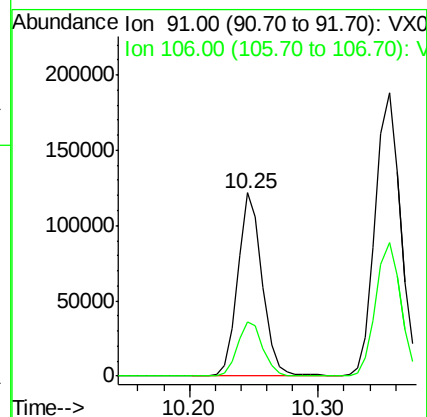
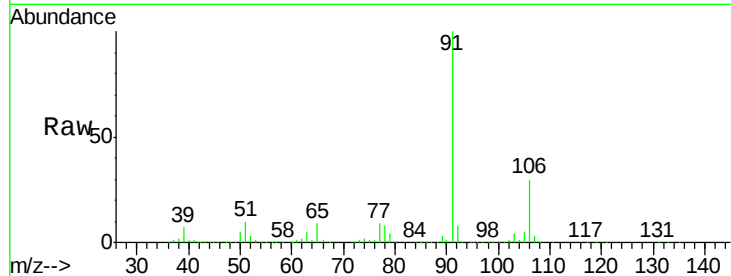
106 29.8 23.1 34.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.747 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012247.D

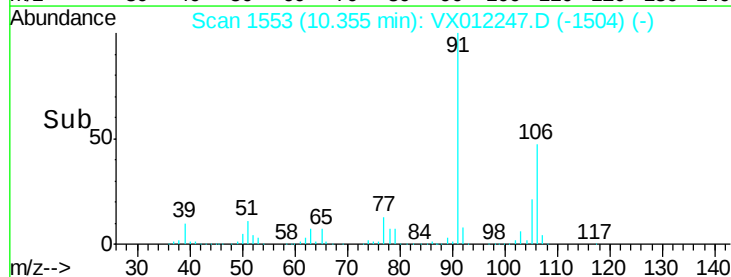
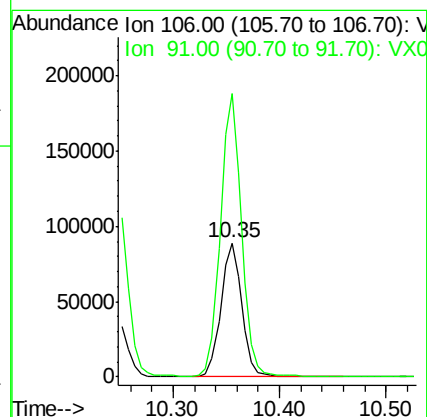
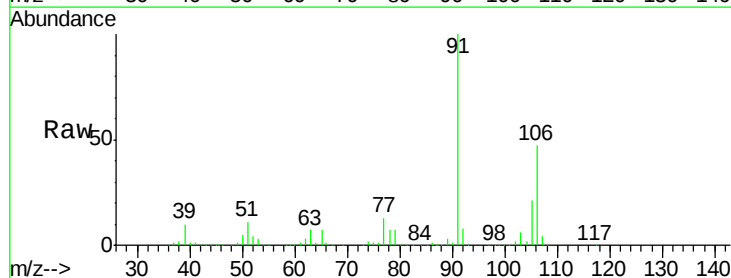
Acq: 10 Sep 2019 10:01

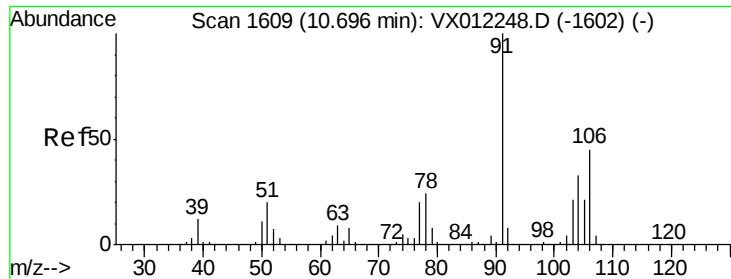
Tgt Ion: 106 Resp: 120950

Ion Ratio Lower Upper

106 100

91 212.0 167.0 250.6





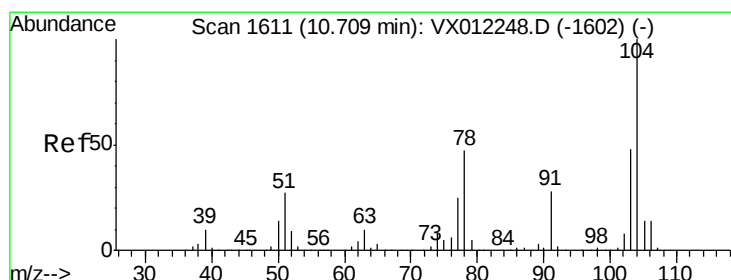
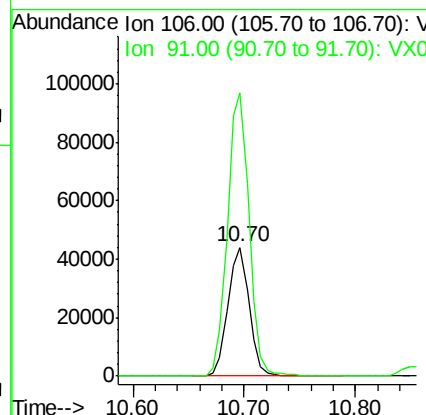
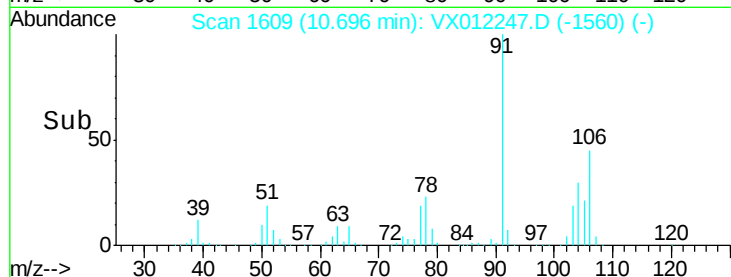
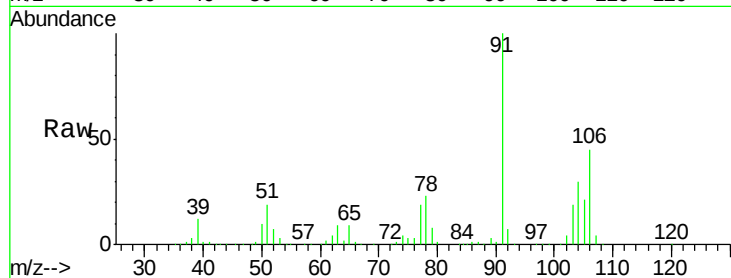
#69
o-Xylene
Concen: 19.053 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 58029
Ion Ratio Lower Upper
106 100
91 224.2 110.5 331.4

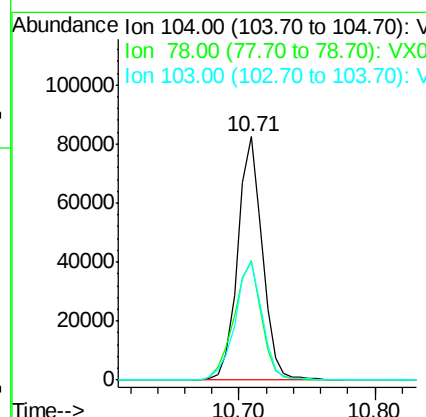
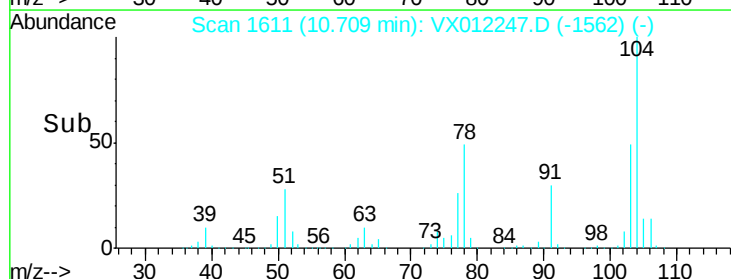
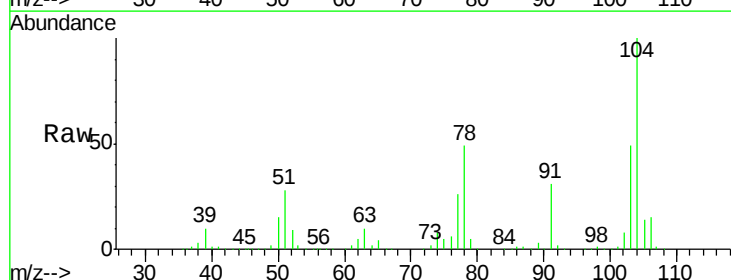
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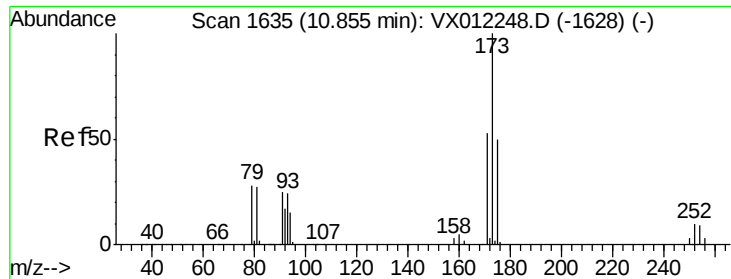
MMDadoda
9/12/2019 9:00:27 AM



#70
Styrene
Concen: 18.961 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion:104 Resp: 103841
Ion Ratio Lower Upper
104 100
78 55.2 44.2 66.2
103 54.0 42.5 63.7





#71

Bromoform

Concen: 17.198 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 16568

Ion Ratio Lower Upper

173 100

175 49.9 24.5 73.5

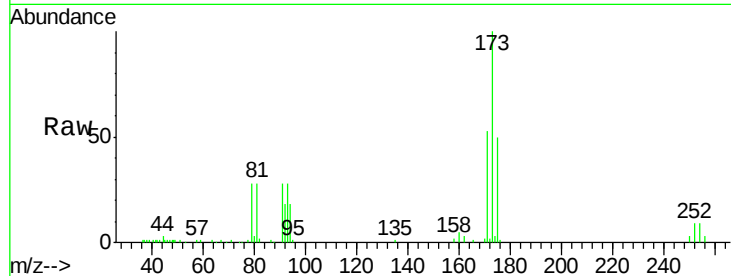
254 0.0 0.2 0.4#

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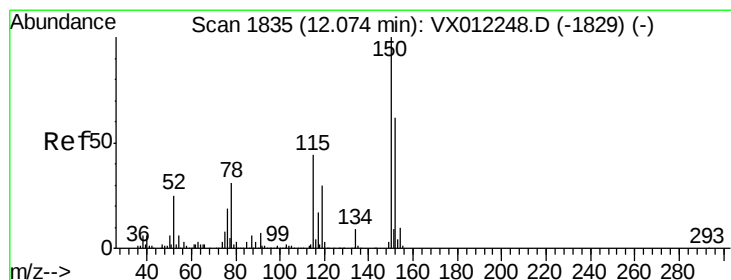
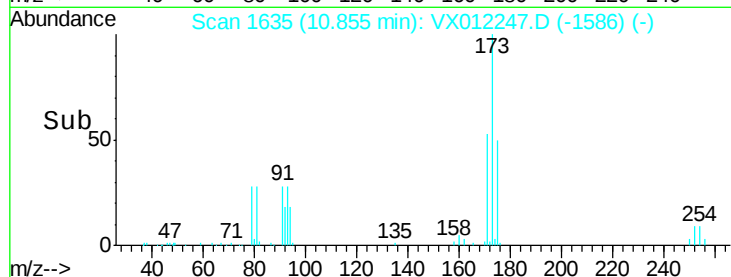
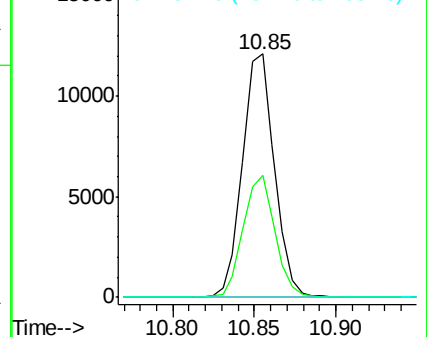
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

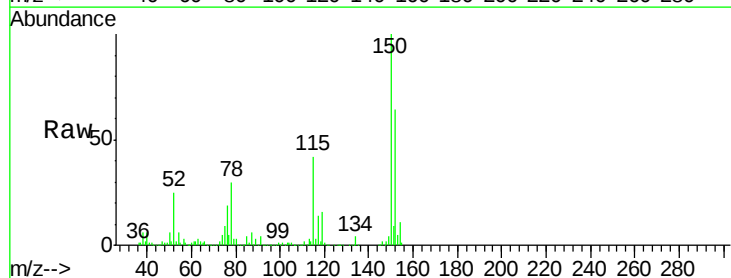
Tgt Ion:152 Resp: 117960

Ion Ratio Lower Upper

152 100

115 76.4 45.5 136.4

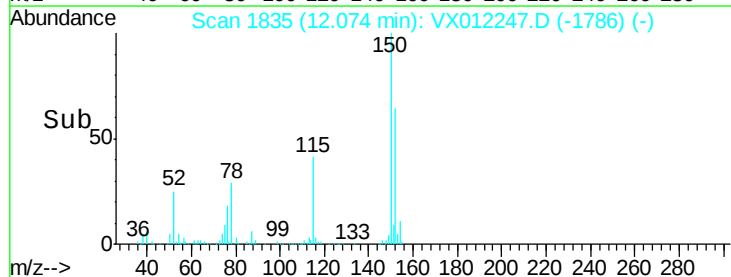
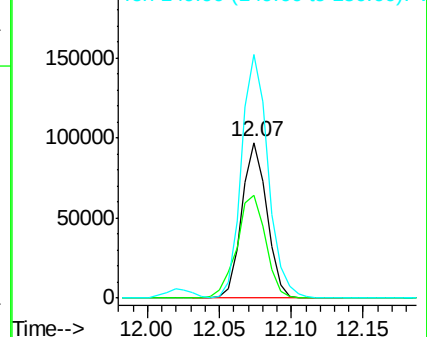
150 166.3 0.0 346.4

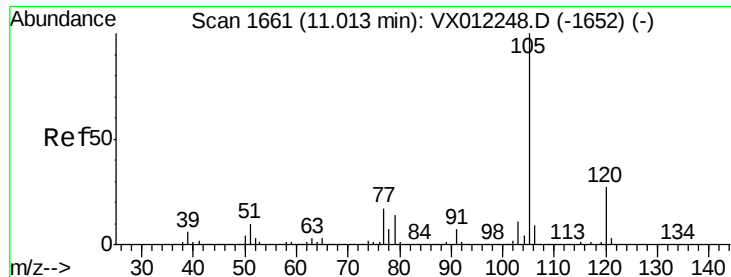


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.300 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 163178

Ion Ratio Lower Upper

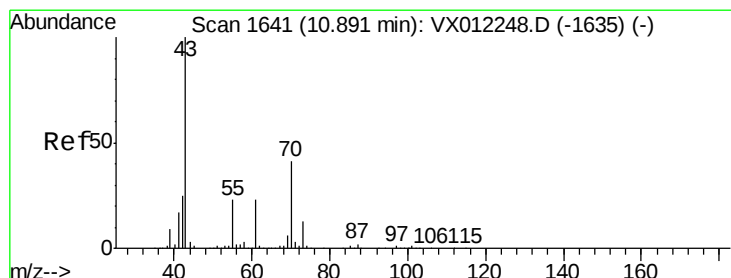
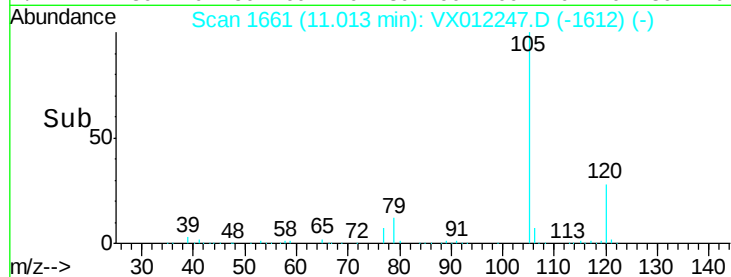
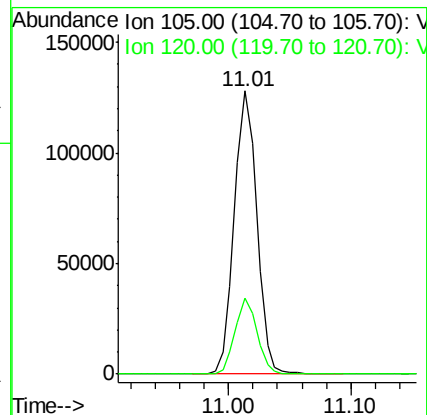
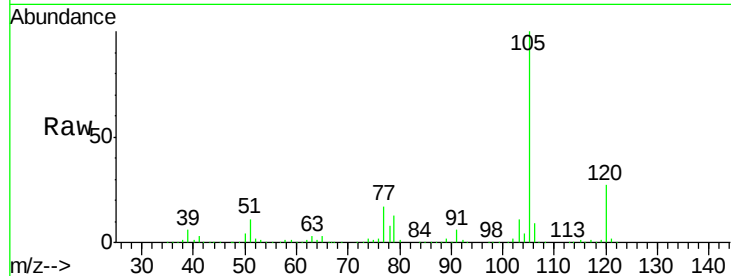
105 100

120 26.1 13.2 39.5

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#74

N-ethyl acetate

Concen: 17.505 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion: 43 Resp: 47362

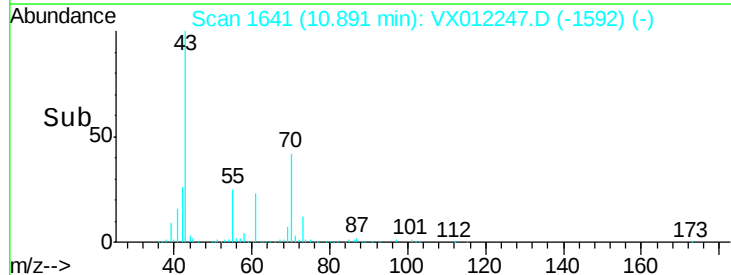
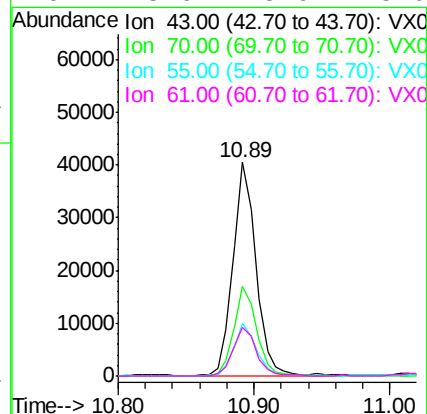
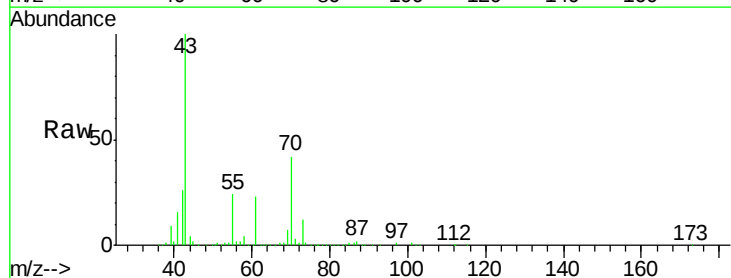
Ion Ratio Lower Upper

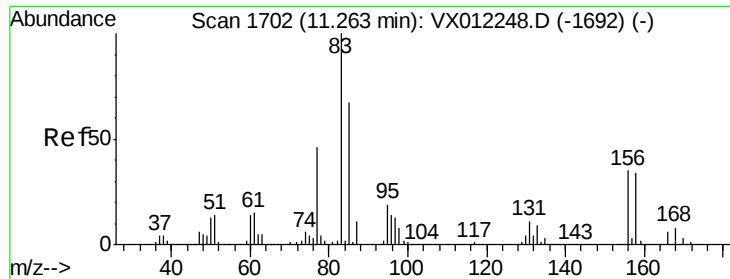
43 100

70 42.2 32.9 49.3

55 25.3 19.1 28.7

61 23.6 18.6 28.0





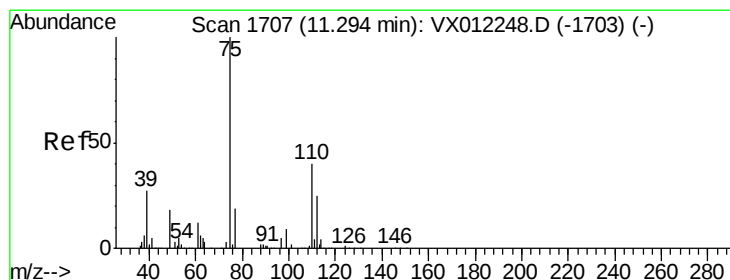
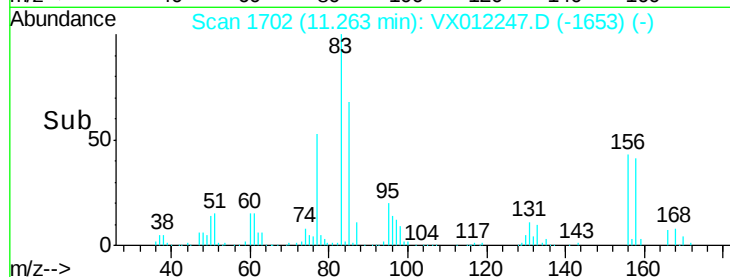
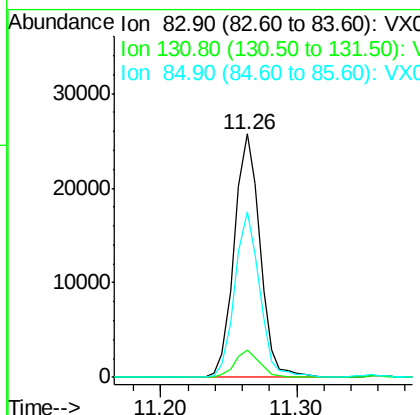
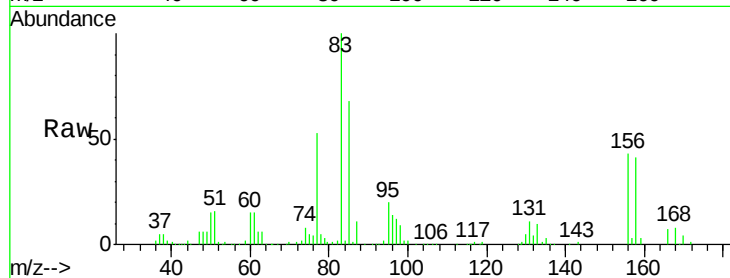
#75
 1,1,2,2-Tetrachloroethane
 Concen: 17.920 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.8	5.5	16.4	
85	65.7	32.8	98.4	

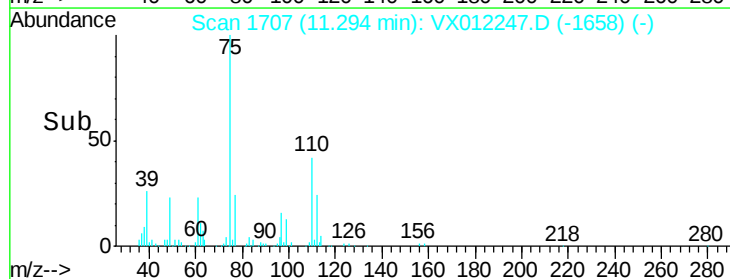
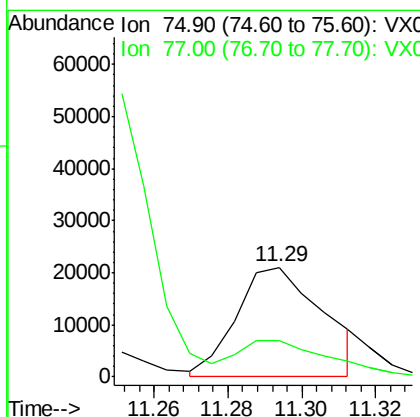
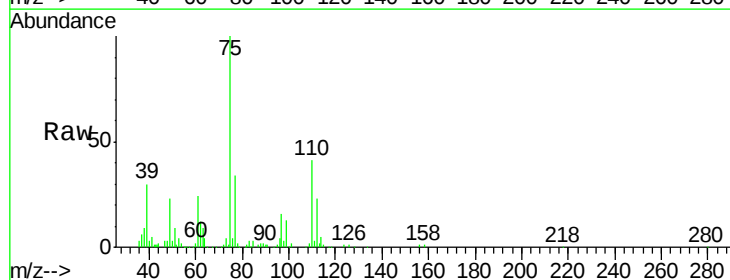
Manual Integrations
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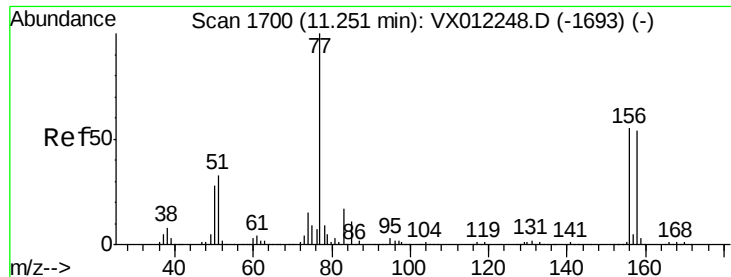
MMDadoda
 9/12/2019 9:00:27 AM



#76
 1,2,3-Trichloropropane
 Concen: 20.731 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	35.5	19.7	59.0	





#77

Bromobenzene

Concen: 18.734 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

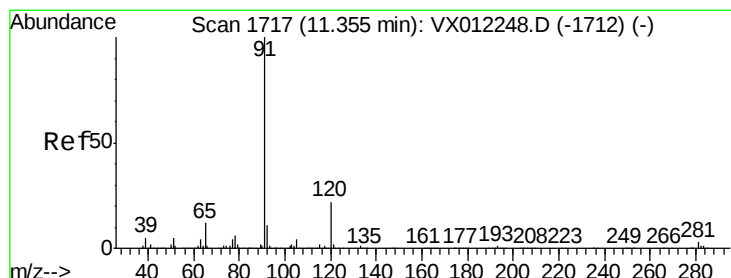
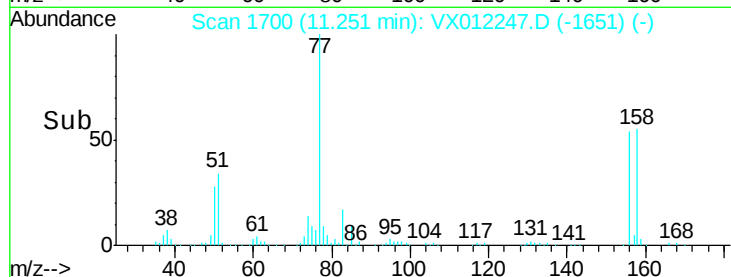
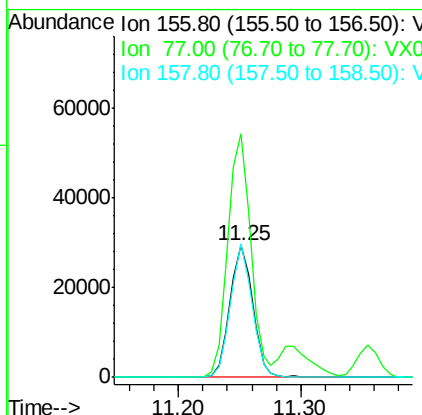
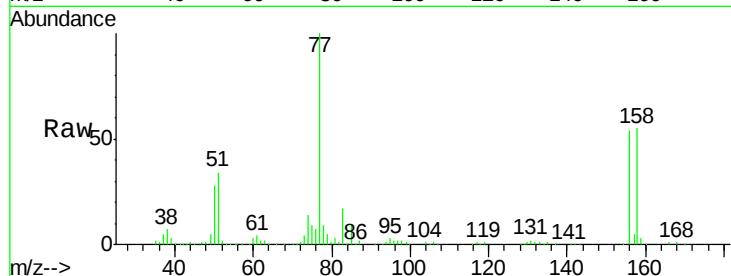
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	185.0	92.2	37862	276.6	
158	95.9	48.8		146.3	

Manual Integrations
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MMDadoda
9/12/2019 9:00:27 AM



#78

n-propylbenzene

Concen: 19.497 ug/l

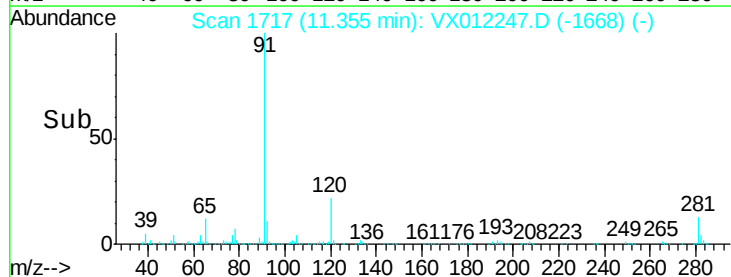
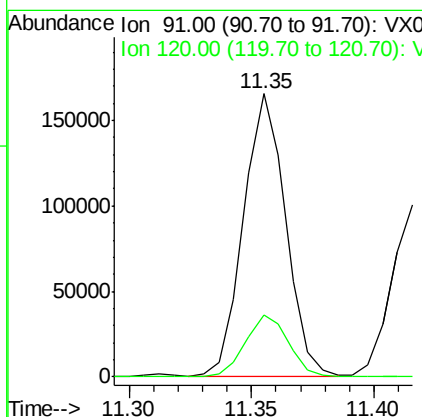
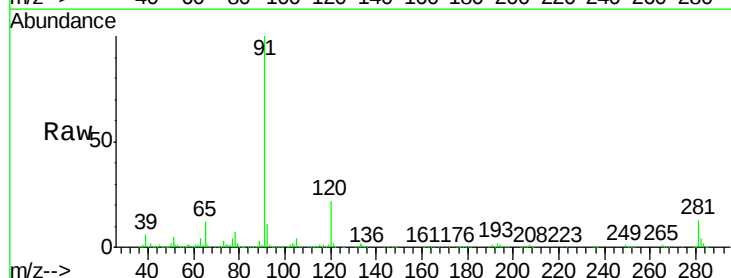
RT: 11.35 min Scan# 1717

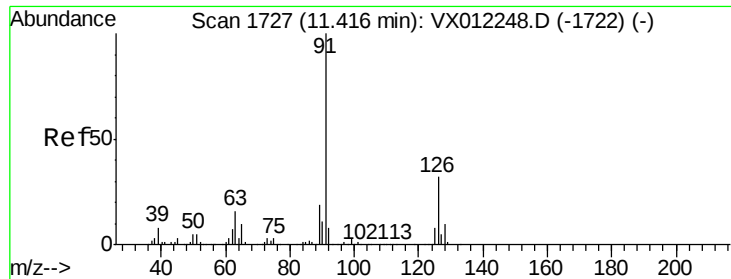
Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		198396		
120	22.5	11.2		33.6	





#79

2-Chlorotoluene

Concen: 19.280 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 122457

Ion Ratio Lower Upper

91 100

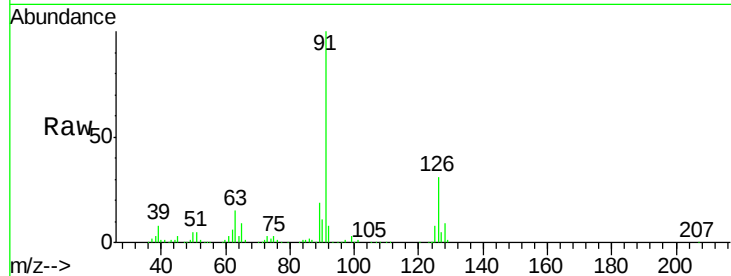
126 31.4 15.9 47.7

Manual Integrations

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9/12/2019 9:00:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VX012248.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012248.D (-1722) (-)

150000

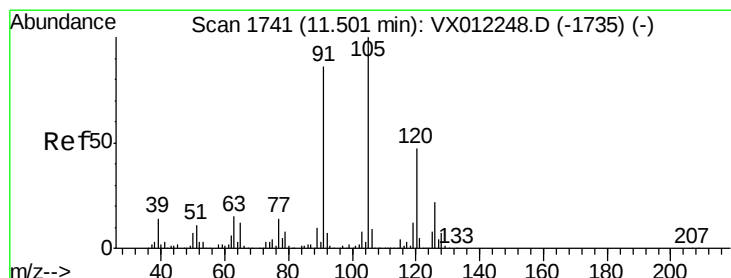
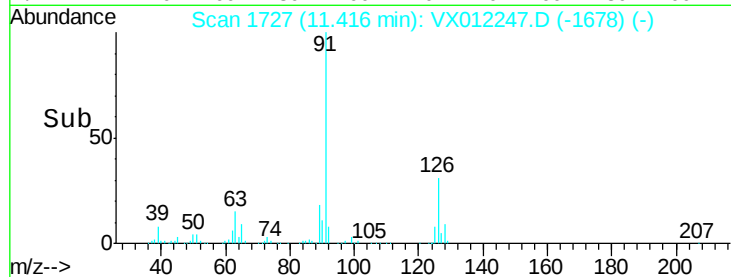
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.324 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012247.D

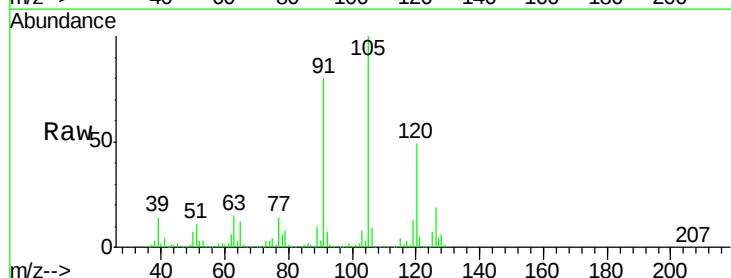
Acq: 10 Sep 2019 10:01

Tgt Ion: 105 Resp: 147885

Ion Ratio Lower Upper

105 100

120 47.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VX012248.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012248.D (-1735) (-)

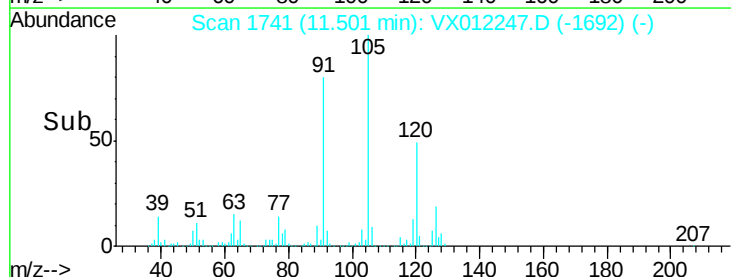
100000

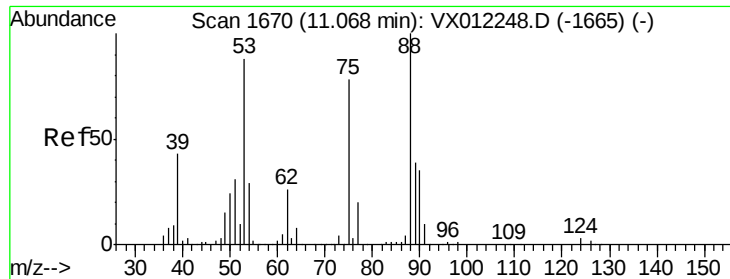
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.559 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

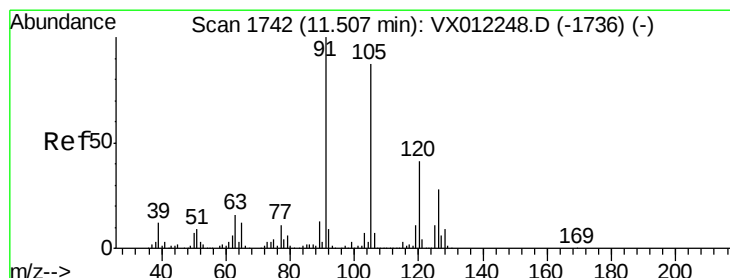
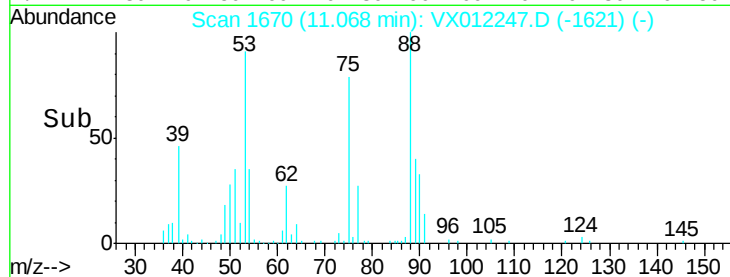
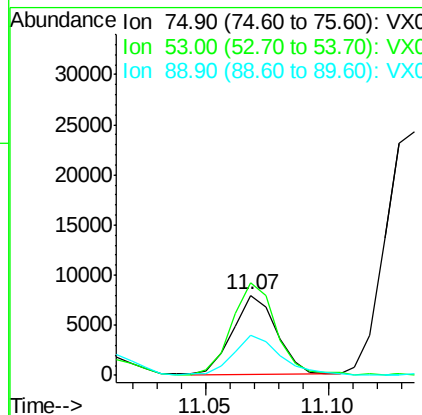
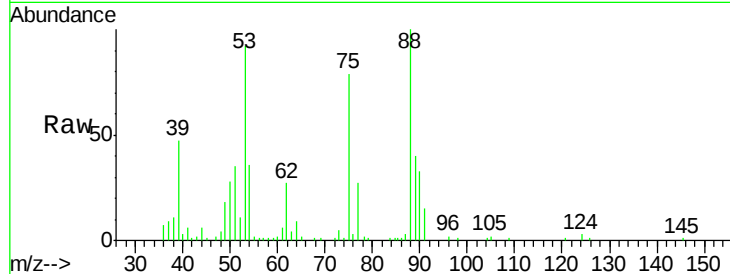
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.7	88.1	132.1
89	53.2	43.5	65.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:27 AM



#82

4-Chlorotoluene

Concen: 19.246 ug/l

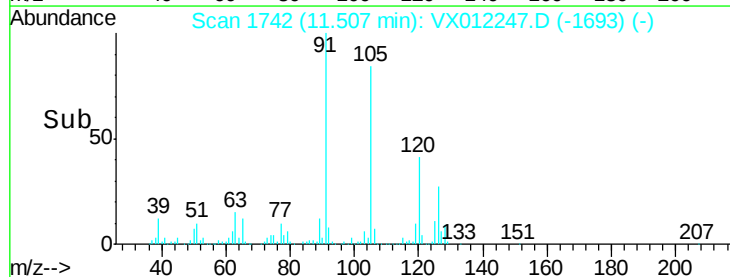
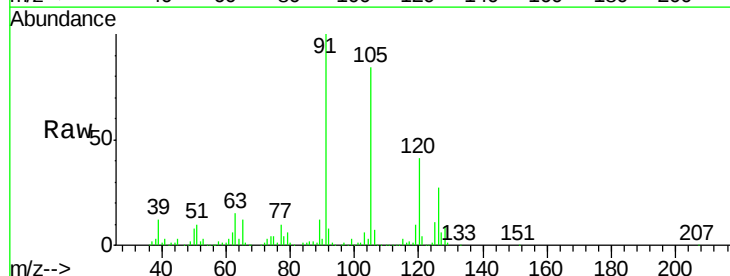
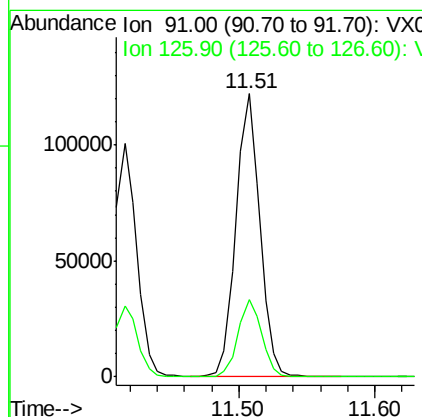
RT: 11.51 min Scan# 1742

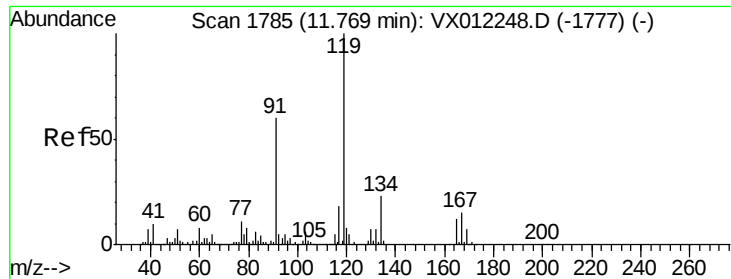
Delta R.T. 0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.0	42.0





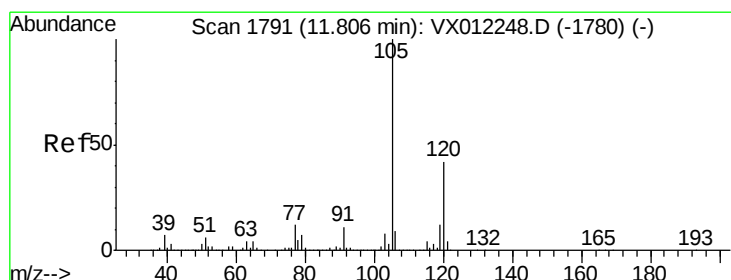
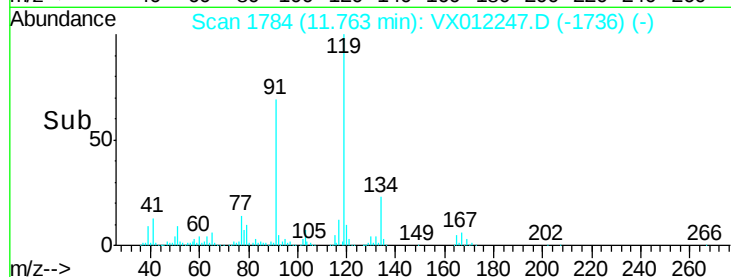
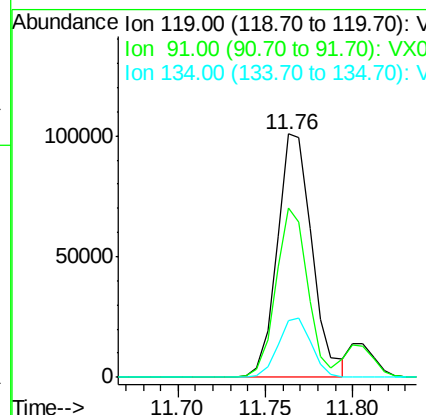
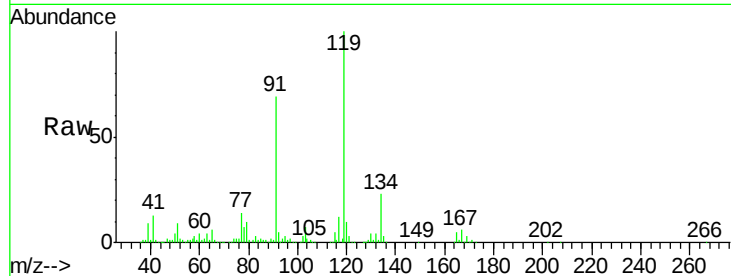
#83
tert-Butylbenzene
Concen: 18.960 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140680		
91	63.4	30.9	92.8	
134	23.1	11.2	33.6	

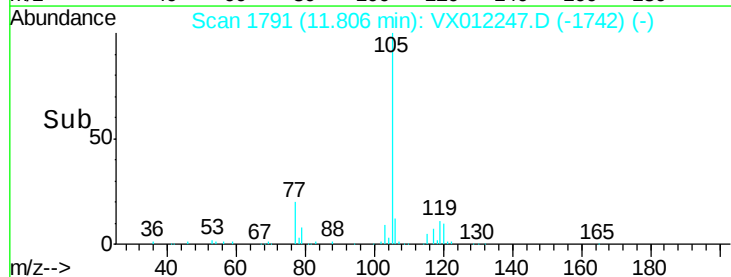
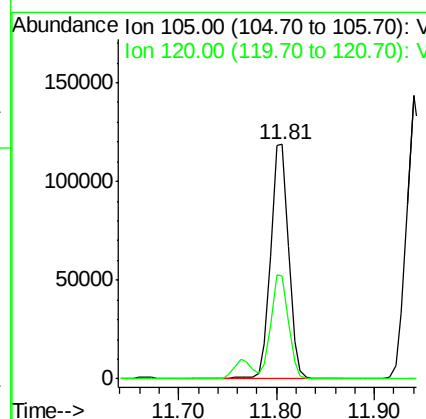
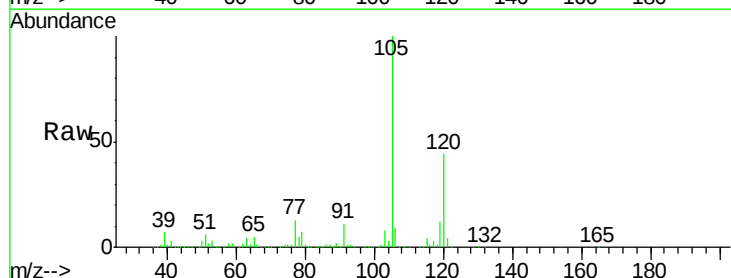
Manual Integrations
APPROVED

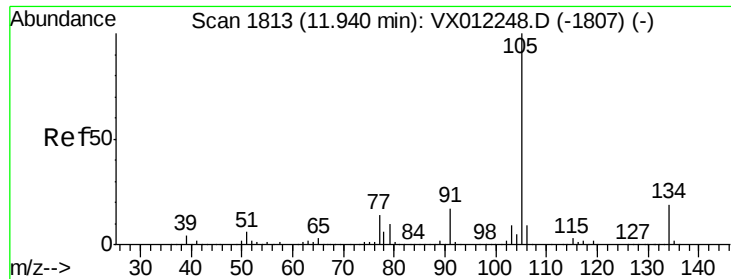
MMDadoda
9/12/2019 9:00:27 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.186 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151863		
120	43.0	21.3	63.9	





#85

sec-Butylbenzene

Concen: 19.918 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 173715

Ion Ratio Lower Upper

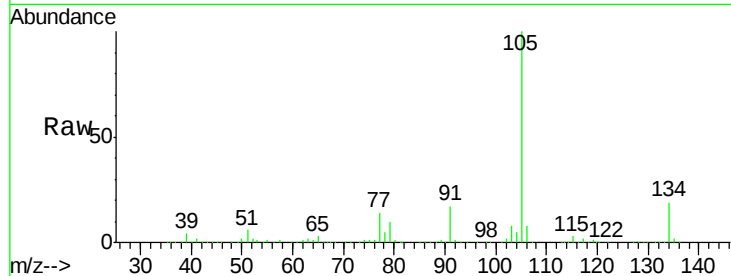
105 100

134 19.4 9.9 29.7

Manual Integrations
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9/12/2019 9:00:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

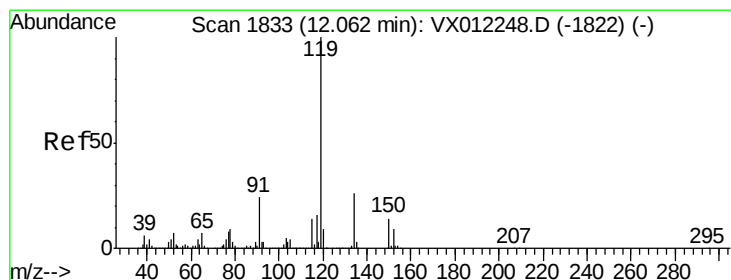
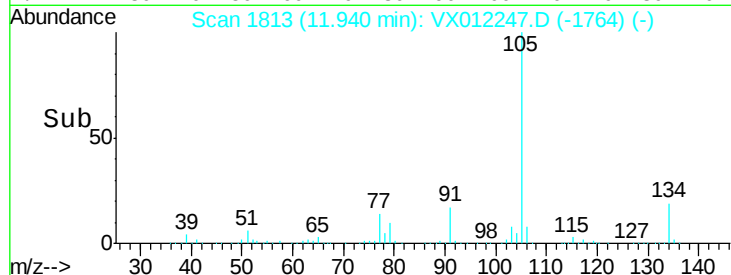
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.341 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012247.D

Acq: 10 Sep 2019 10:01

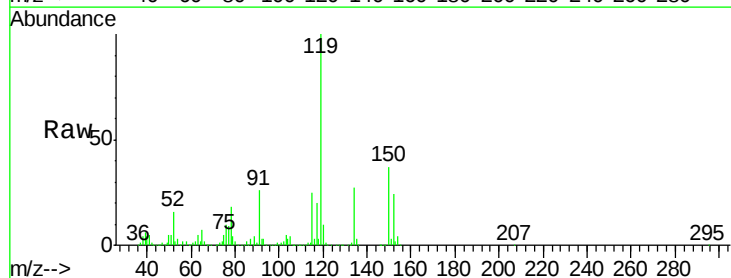
Tgt Ion:119 Resp: 156400

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 27.3 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

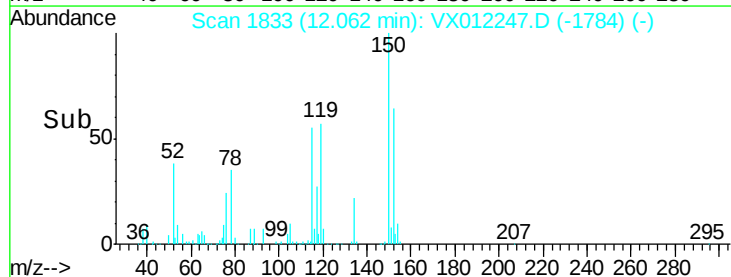
150000

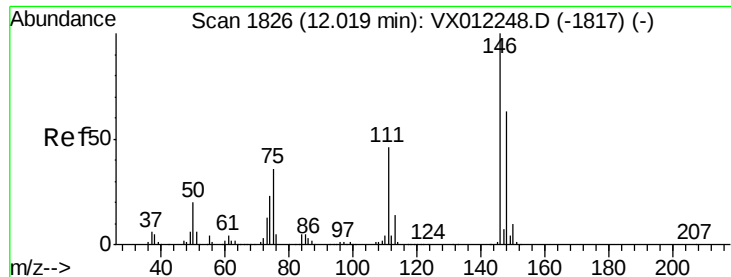
100000

50000

0

Time-->





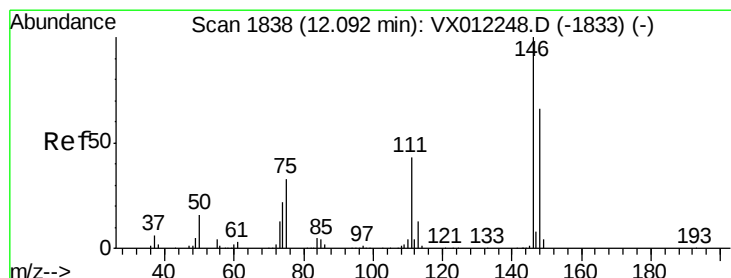
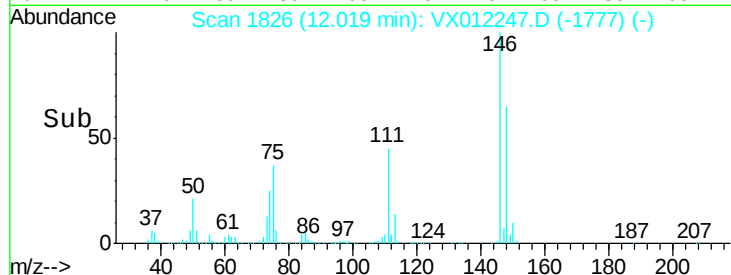
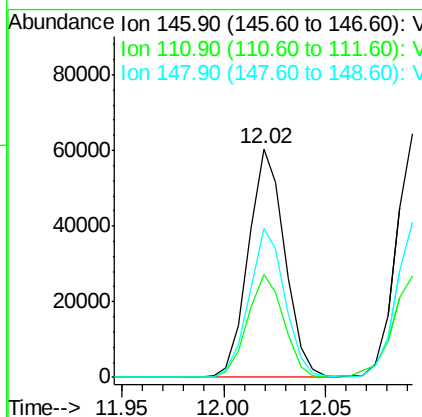
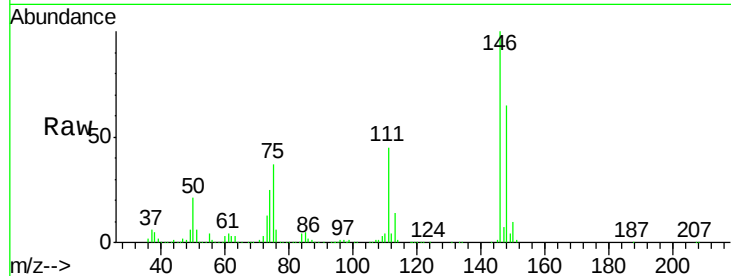
#87
 1,3-Dichlorobenzene
 Concen: 18.739 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.3	66.8
148	63.8	31.5	94.5

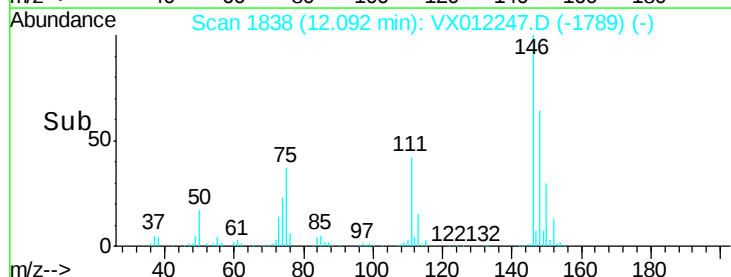
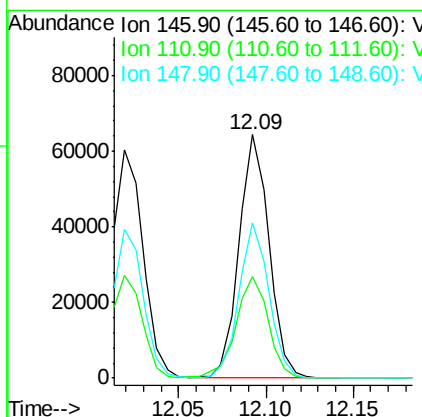
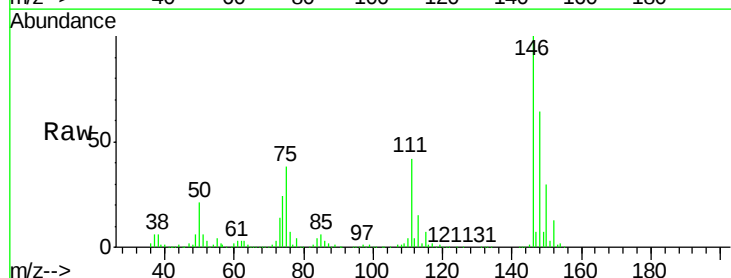
Manual Integrations
 APPROVED

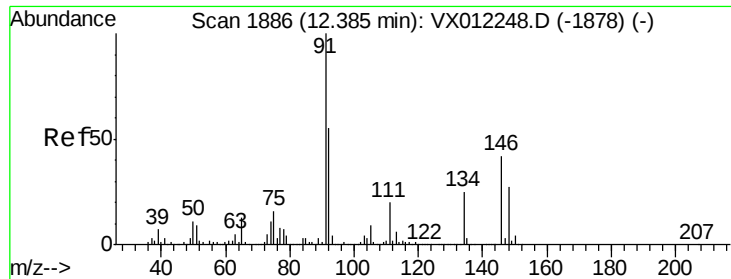
MMDadoda
 9/12/2019 9:00:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.194 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.6	64.8
148	63.9	32.4	97.2





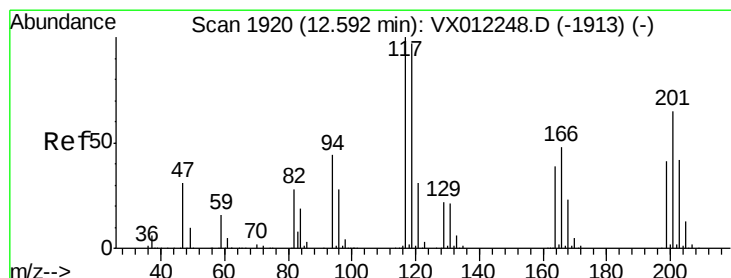
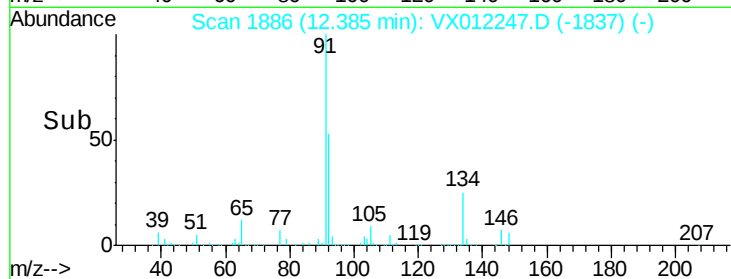
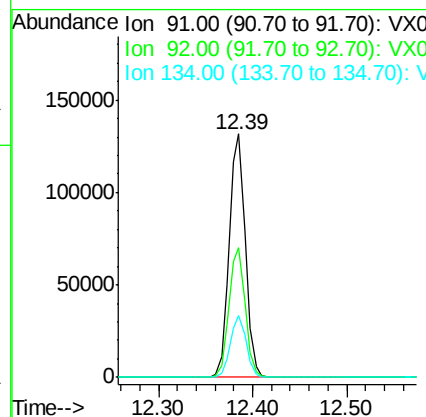
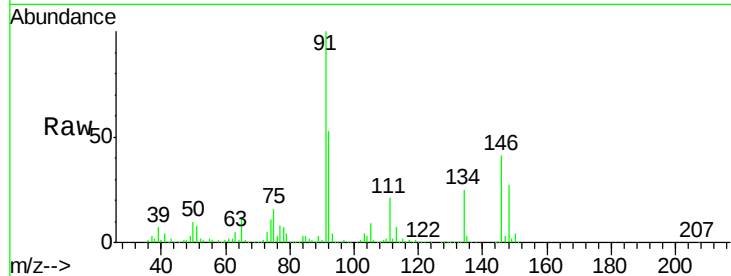
#89
n-Butylbenzene
Concen: 20.069 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	155684		
92	53.6		27.6	82.7
134	25.2		12.5	37.5

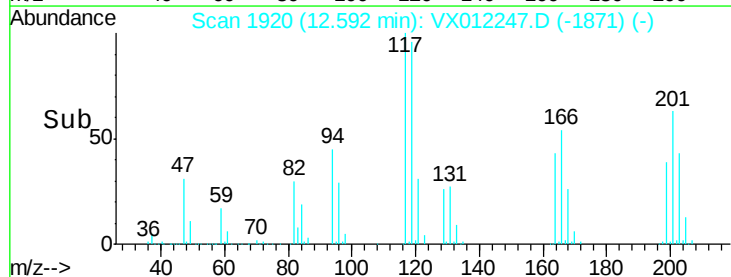
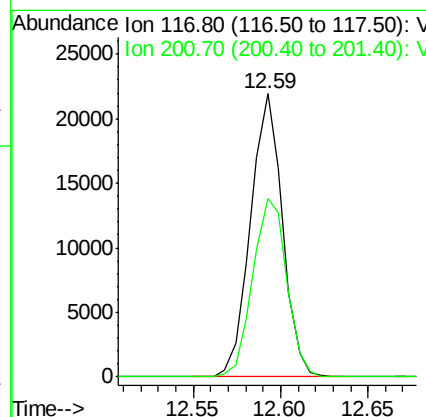
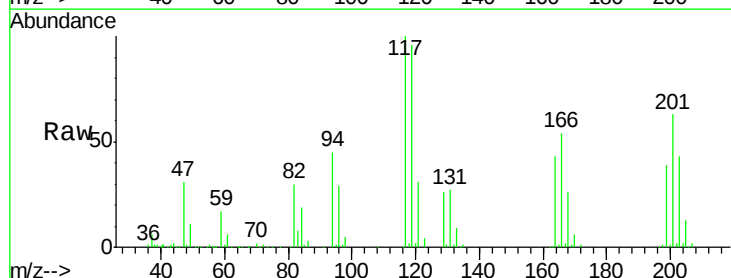
Manual Integrations
APPROVED

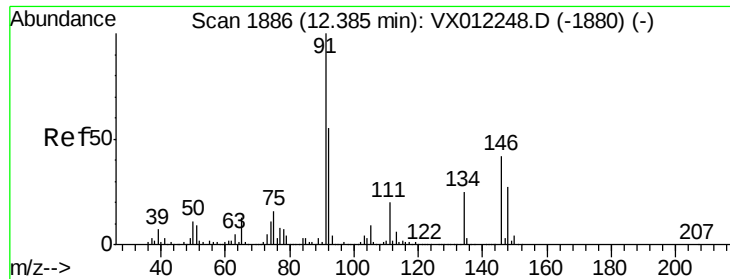
MMDadoda
9/12/2019 9:00:27 AM



#90
Hexachloroethane
Concen: 18.695 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27723		
201	67.0		32.2	96.6





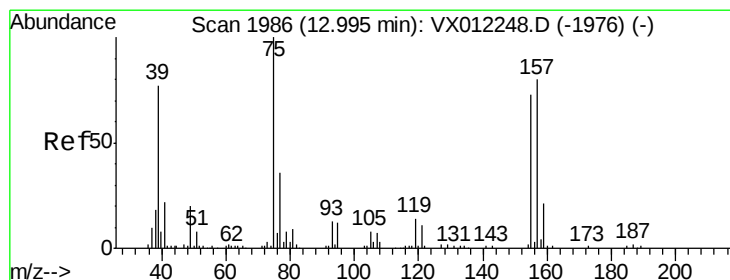
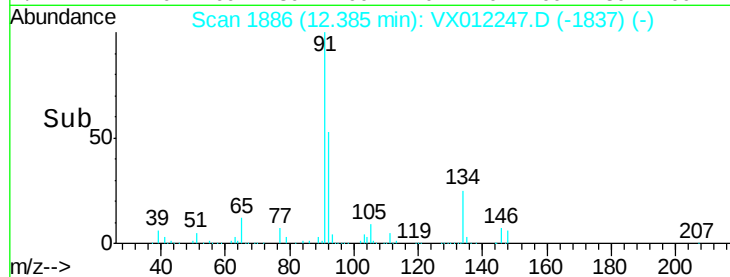
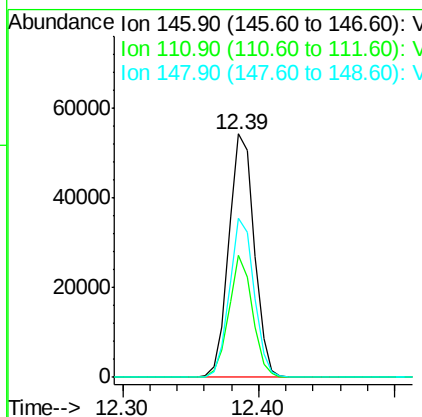
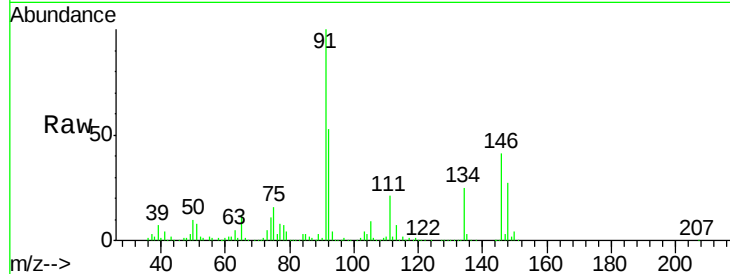
#91
 1,2-Dichlorobenzene
 Concen: 18.841 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.2	69.6
148	63.2	32.4	97.0

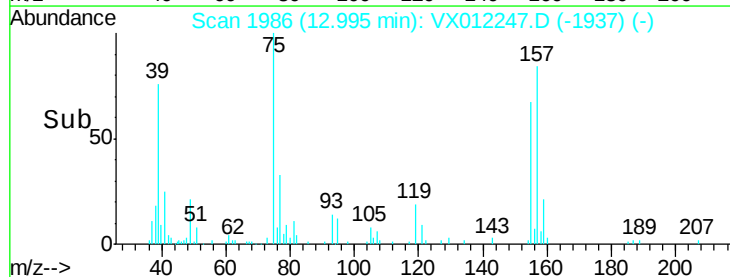
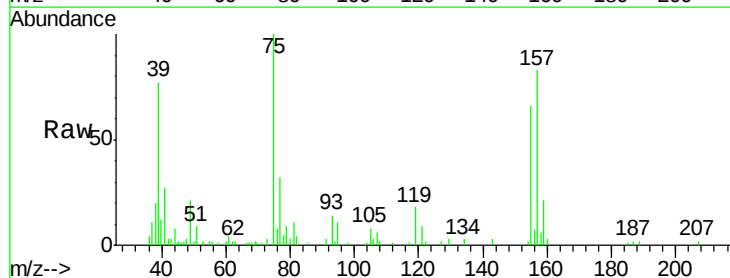
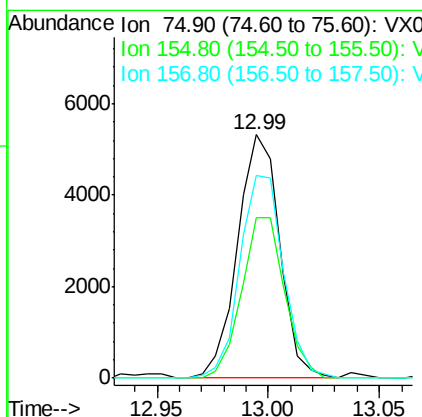
Manual Integrations
 APPROVED

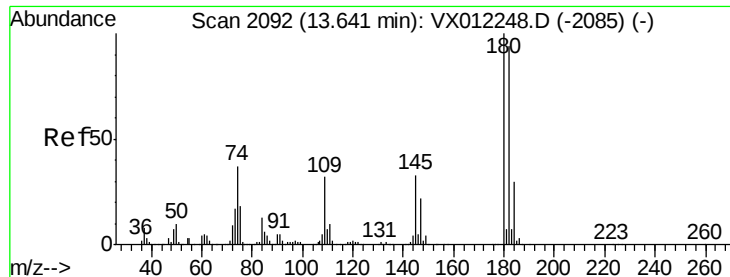
MMDadoda
 9/12/2019 9:00:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.664 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012247.D
 Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.2	35.3	105.7
157	86.4	43.2	129.6





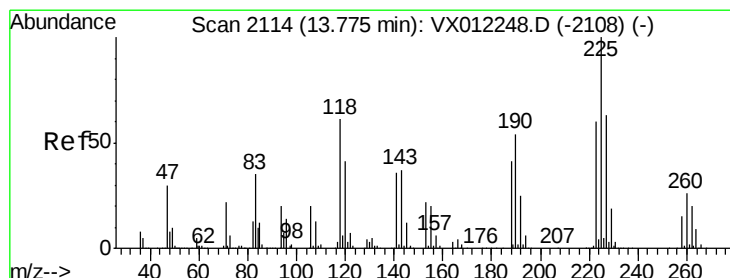
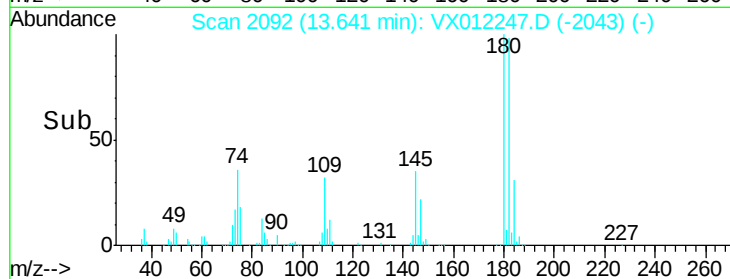
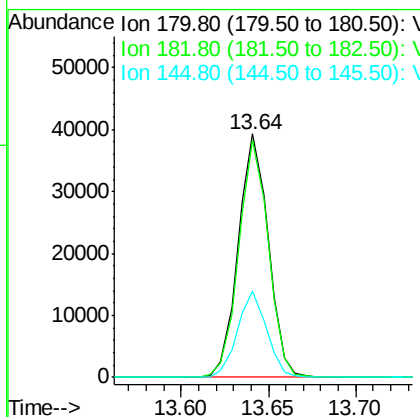
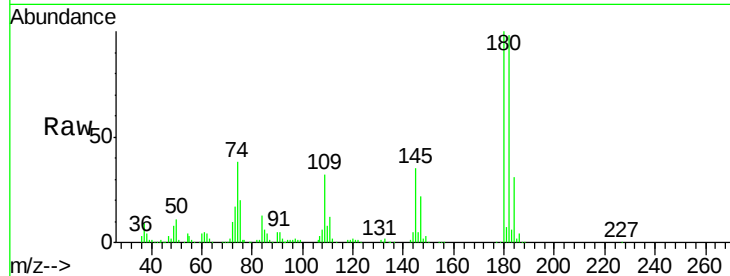
#93
1,2,4-Trichlorobenzene
Concen: 18.977 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.9	140.8
145	34.6	17.1	51.2

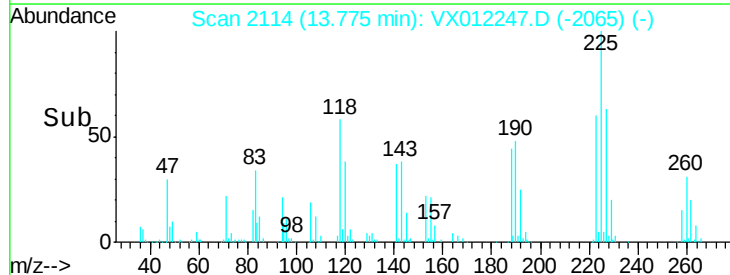
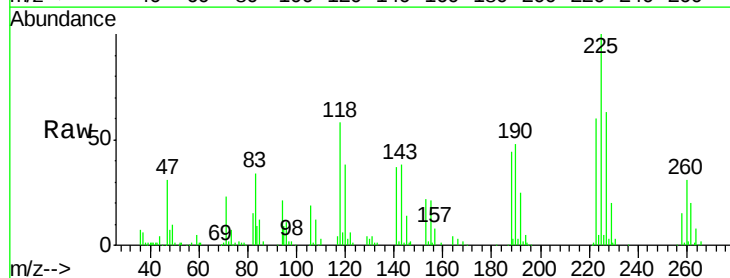
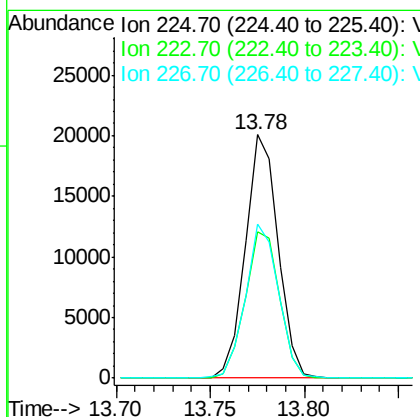
Manual Integrations
APPROVED

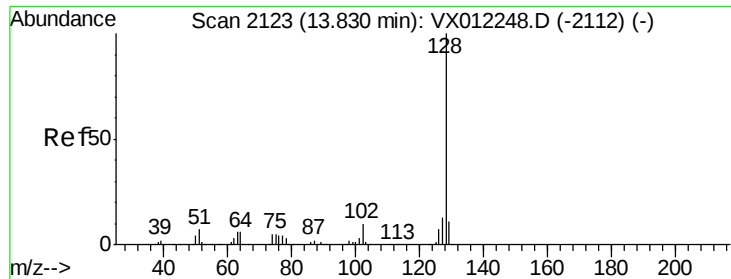
MMDadoda
9/12/2019 9:00:27 AM



#94
Hexachlorobutadiene
Concen: 20.230 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.5
227	63.5	32.5	97.5





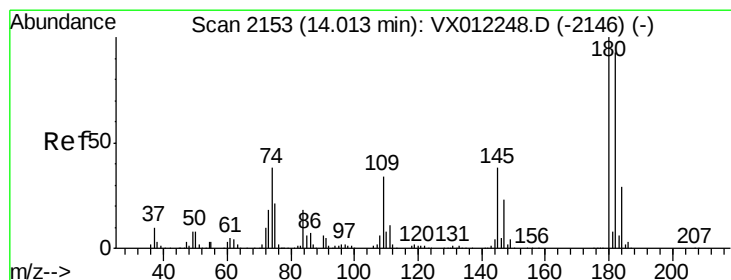
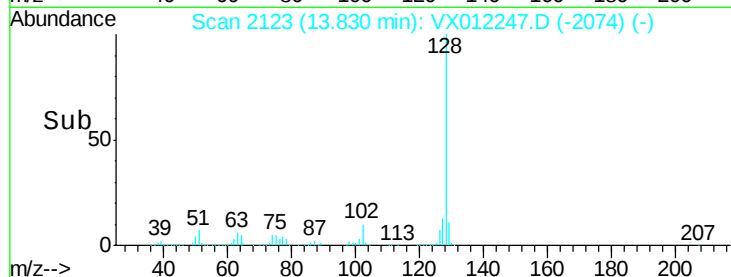
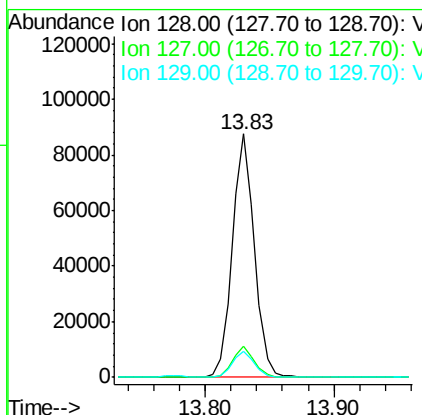
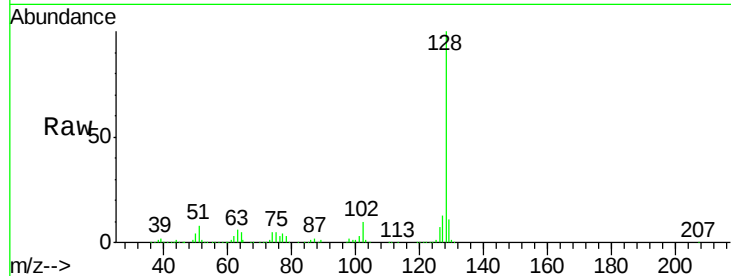
#95
Naphthalene
Concen: 19.185 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.295 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012247.D
Acq: 10 Sep 2019 10:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.0	141.0
145	38.7	18.6	55.8

