

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012549.D
 Acq On : 20 Sep 2019 12:05
 Operator : JC/SP
 Sample : VX0920MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 11:29:40 AM

Quant Time: Sep 20 16:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	128015	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	5.49	113	94422	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.71	98	347802	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	139177	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21958	17.869	ug/l	98
3) Chloromethane	1.32	50	19284	18.775	ug/l	99
4) Vinyl Chloride	1.40	62	20961	18.881	ug/l	97
5) Bromomethane	1.63	94	9570	21.942	ug/l	95
6) Chloroethane	1.71	64	15250	17.554	ug/l	97
7) Trichlorofluoromethane	1.92	101	38736	19.034	ug/l	95
8) Diethyl Ether	2.18	74	17540	19.082	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28198	19.151	ug/l	98
10) Methyl Iodide	2.50	142	21260	19.773	ug/l	97
11) Tert butyl alcohol	3.03	59	62609	88.408	ug/l	99
12) 1,1-Dichloroethene	2.36	96	22268	18.958	ug/l	98
13) Acrolein	2.28	56	20541	86.262	ug/l	99
14) Allyl chloride	2.72	41	51238	18.737	ug/l	98
15) Acrylonitrile	3.13	53	112005	96.529	ug/l	100
16) Acetone	2.43	43	116497	90.128	ug/l	99
17) Carbon Disulfide	2.56	76	26972	17.457	ug/l	98
18) Methyl Acetate	2.77	43	53556	19.194	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	121607	18.988	ug/l	99
20) Methylene Chloride	2.85	84	30163	18.613	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	24105	19.762	ug/l	98
22) Diisopropyl ether	3.84	45	123854	19.343	ug/l	98
23) Vinyl Acetate	3.80	43	512565	97.314	ug/l	100
24) 1,1-Dichloroethane	3.69	63	59817	19.525	ug/l	98
25) 2-Butanone	4.66	43	168059	90.482	ug/l	98
26) 2,2-Dichloropropane	4.57	77	54130	17.966	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	35414	19.436	ug/l	99
28) Bromochloromethane	5.00	49	30701	19.438	ug/l	96
29) Tetrahydrofuran	5.11	42	99587	97.055	ug/l	99
30) Chloroform	5.20	83	66134	18.797	ug/l	99
31) Cyclohexane	5.57	56	35609	19.255	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	54415	18.504	ug/l	98
36) 1,1-Dichloropropene	5.79	75	34844	18.636	ug/l	96
37) Ethyl Acetate	4.82	43	58789	20.484	ug/l	97
38) Carbon Tetrachloride	5.78	117	43517	18.714	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	34940	19.223	ug/l	98
40) Benzene	6.14	78	119313	20.068	ug/l	99
41) Methacrylonitrile	5.03	41	34402	18.616	ug/l	96
42) 1,2-Dichloroethane	6.19	62	54072	19.608	ug/l	99
43) Isopropyl Acetate	6.44	43	99123	19.243	ug/l	99
44) Trichloroethene	7.21	130	32252	20.622	ug/l	97
45) 1,2-Dichloropropane	7.51	63	36337	19.893	ug/l	97
46) Dibromomethane	7.65	93	22750	19.246	ug/l	99
47) Bromodichloromethane	7.89	83	49809	18.925	ug/l	98
48) Methyl methacrylate	7.76	41	45415	18.704	ug/l	97
49) 1,4-Dioxane	7.73	88	22304	377.414	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	328875	97.358	ug/l	98
52) Toluene	8.78	92	77307	20.179	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52412	19.157	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55544	19.610	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38705	19.610	ug/l	99
56) Ethyl methacrylate	9.17	69	60018	19.449	ug/l	98
57) 1,3-Dichloropropane	9.37	76	62253	19.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172742	108.138	ug/l	99
59) 2-Hexanone	9.49	43	251762	95.531	ug/l	99
60) Dibromochloromethane	9.57	129	39040	19.418	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37068	20.563	ug/l	99
64) Tetrachloroethene	9.33	164	30613	24.046	ug/l	92
65) Chlorobenzene	10.14	112	90661	19.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	37393	19.649	ug/l	98
67) Ethyl Benzene	10.25	91	155650	19.757	ug/l	99
68) m/p-Xylenes	10.36	106	115866	40.422	ug/l	98
69) o-Xylene	10.70	106	59269	20.106	ug/l	98
70) Styrene	10.71	104	103460	19.836	ug/l	99
71) Bromoform	10.86	173	26763	18.266	ug/l #	100
73) Isopropylbenzene	11.01	105	165681	20.461	ug/l	98
74) N-amyl acetate	10.89	43	86147	19.761	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	63206	19.899	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	60815m	20.515	ug/l	
77) Bromobenzene	11.25	156	40039	20.275	ug/l	97
78) n-propylbenzene	11.35	91	182357	20.206	ug/l	97
79) 2-Chlorotoluene	11.42	91	117062	19.938	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	140828	20.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18027	18.757	ug/l	93
82) 4-Chlorotoluene	11.51	91	134886	20.018	ug/l	99
83) tert-Butylbenzene	11.76	119	144654	19.548	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	143263	20.205	ug/l	99
85) sec-Butylbenzene	11.94	105	162894	19.977	ug/l	99
86) p-Isopropyltoluene	12.06	119	148364	19.815	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75158	20.232	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	74707	19.578	ug/l	98
89) n-Butylbenzene	12.39	91	122937	18.402	ug/l	99
90) Hexachloroethane	12.59	117	25321	18.443	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	79360	20.440	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15750	19.126	ug/l	94

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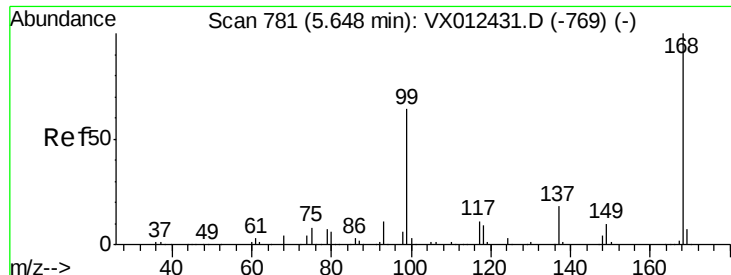
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	49033	19.606	uq/l	99
94) Hexachlorobutadiene	13.78	225	20899	17.731	uq/l	100
95) Naphthalene	13.83	128	177376	19.933	uq/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	50485	19.810	uq/l	98

(#) = 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: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion:168 Resp: 186829

Ion Ratio Lower Upper

168 100

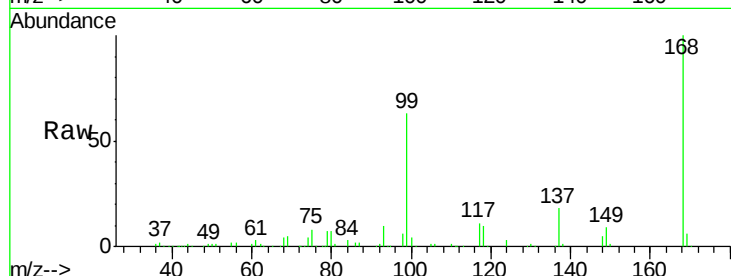
99 62.7 51.4 77.2

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

60000

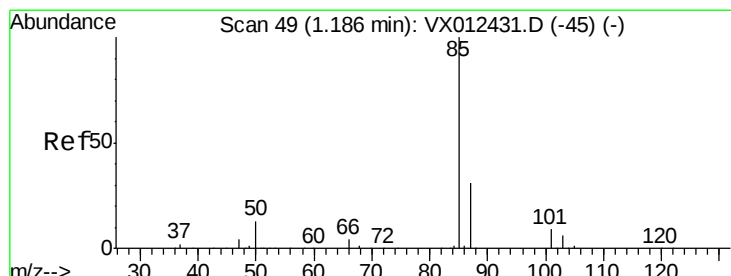
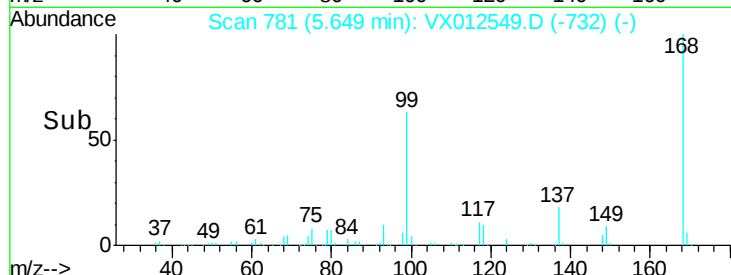
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.869 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012549.D

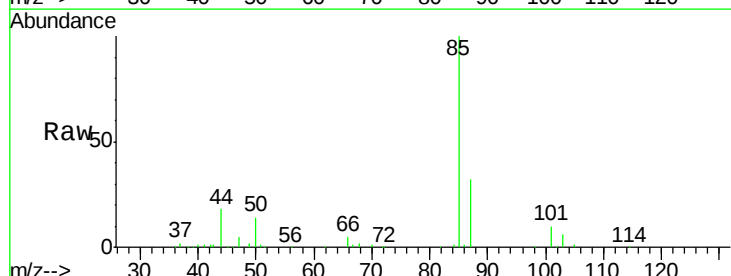
Acq: 20 Sep 2019 12:05

Tgt Ion: 85 Resp: 21958

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

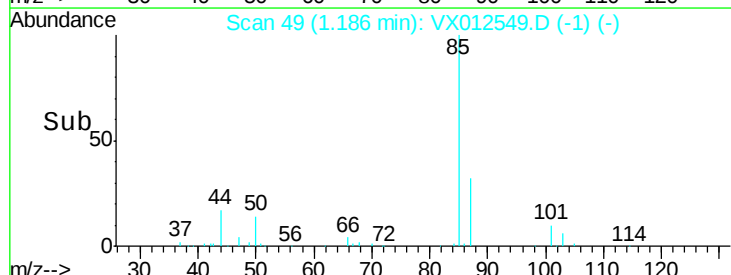
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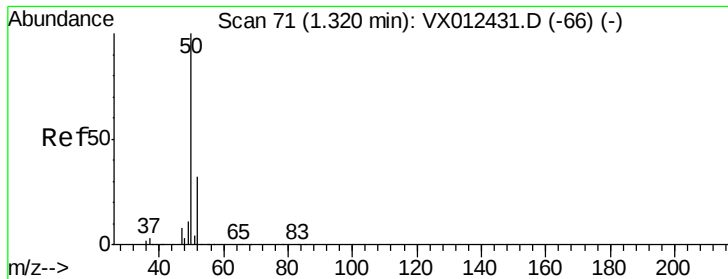
5000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.775 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 50 Resp: 19284

Ion Ratio Lower Upper

50 100

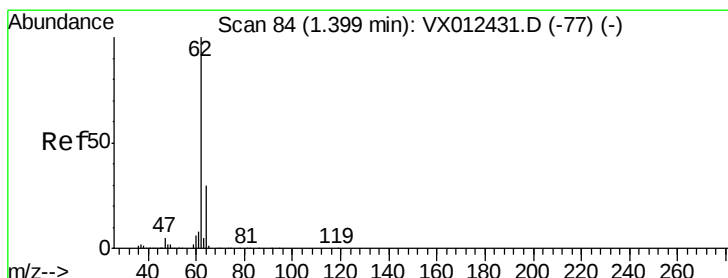
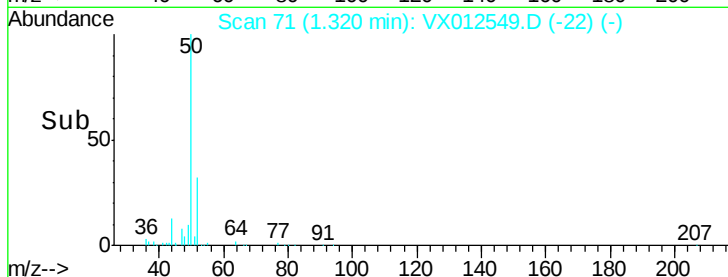
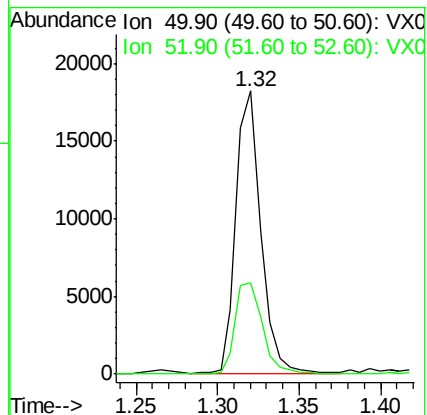
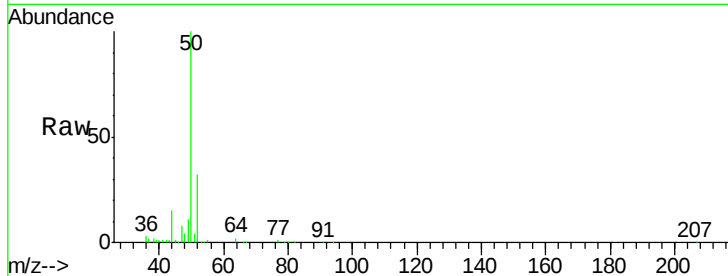
52 32.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.881 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012549.D

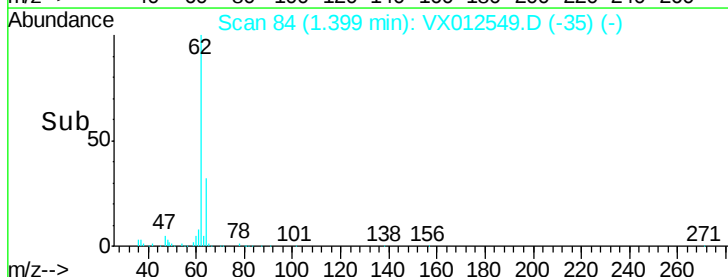
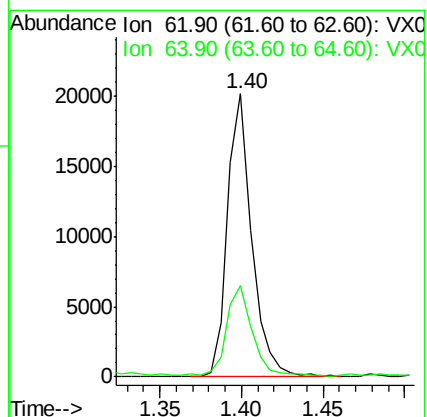
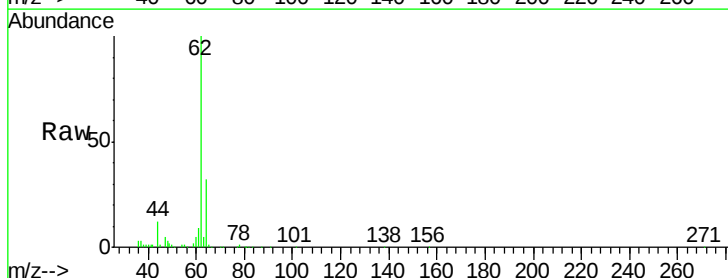
Acq: 20 Sep 2019 12:05

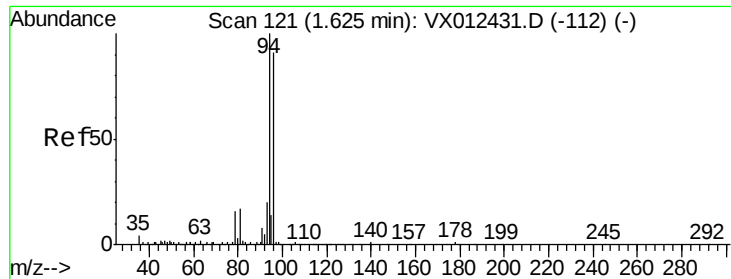
Tgt Ion: 62 Resp: 20961

Ion Ratio Lower Upper

62 100

64 31.6 24.2 36.2





#5

Bromomethane

Concen: 21.942 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 94 Resp: 9570

Ion Ratio Lower Upper

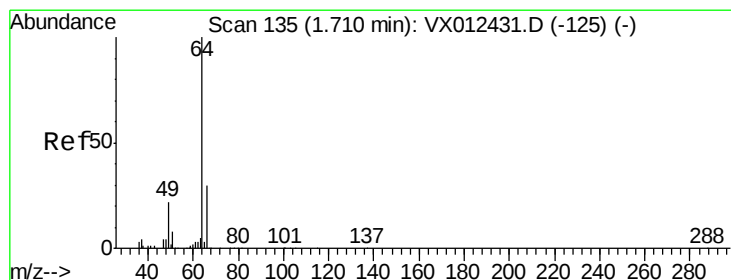
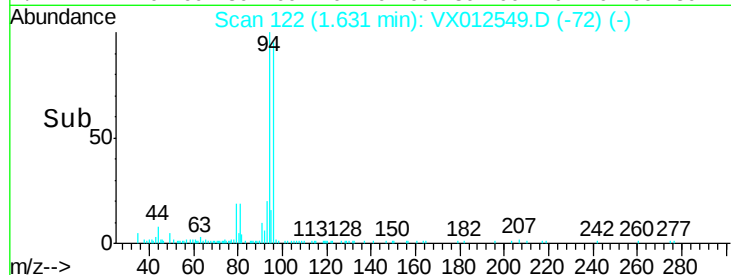
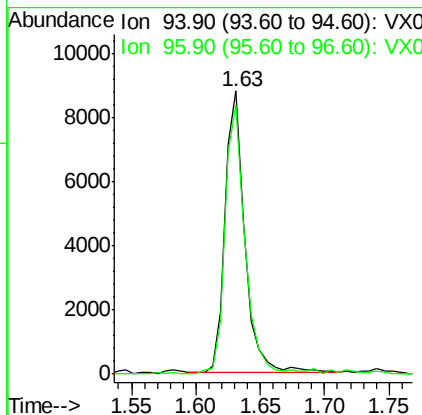
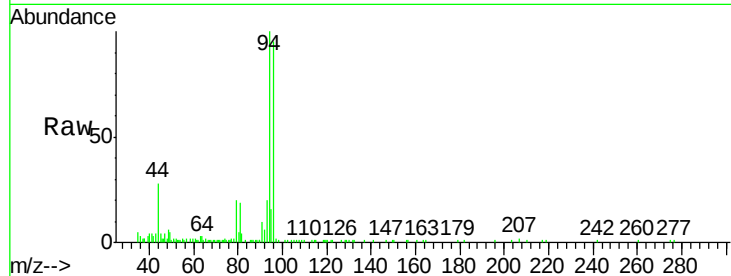
94 100

96 95.6 72.8 109.2

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#6

Chloroethane

Concen: 17.554 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012549.D

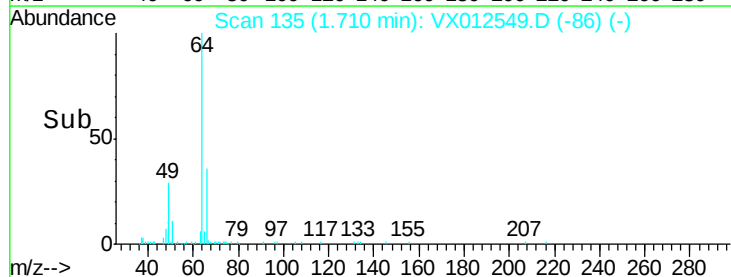
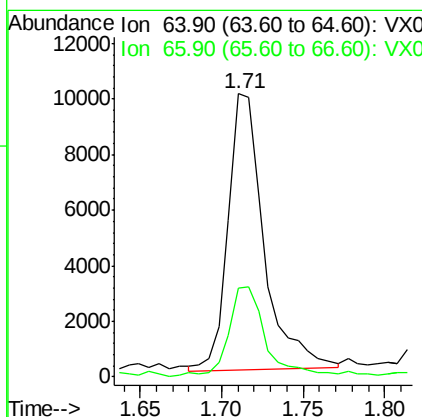
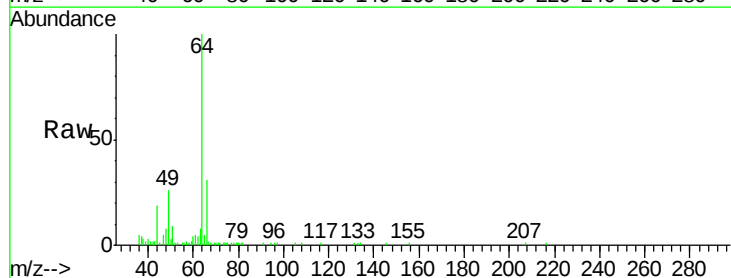
Acq: 20 Sep 2019 12:05

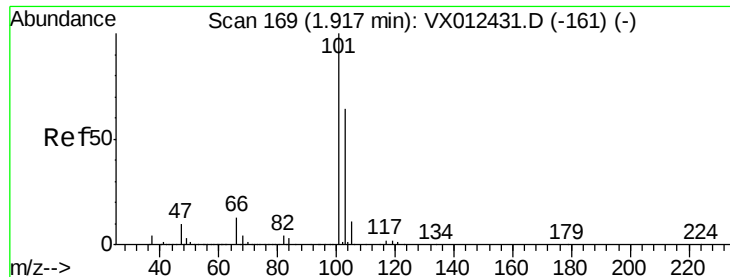
Tgt Ion: 64 Resp: 15250

Ion Ratio Lower Upper

64 100

66 31.4 24.0 36.0





#7

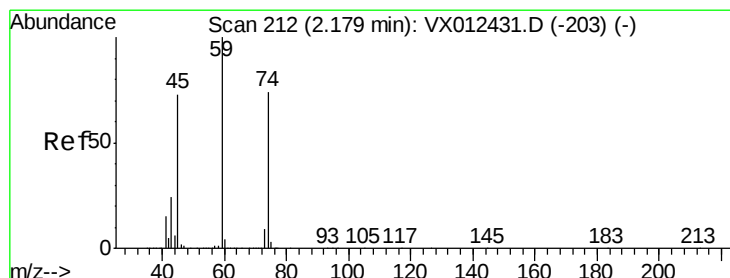
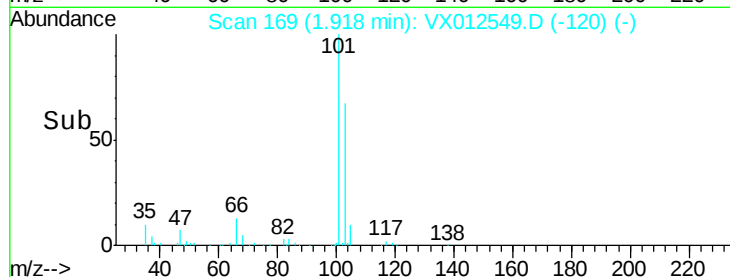
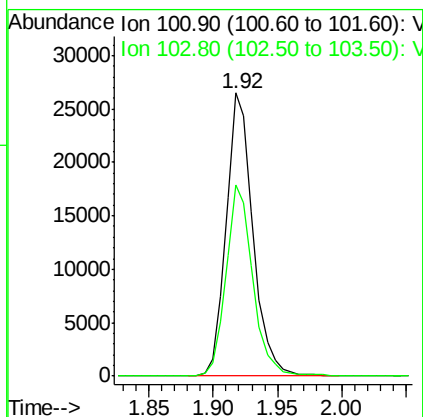
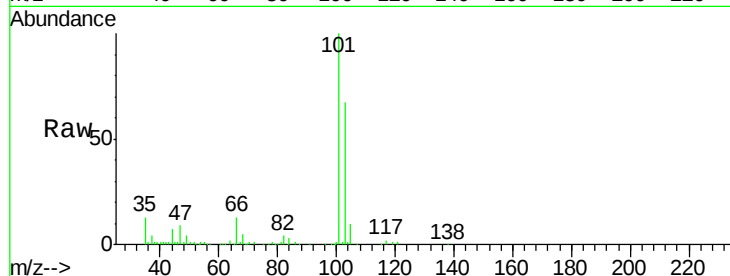
Trichlorofluoromethane
Concen: 19.034 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
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ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.0	76.4

Manual Integrations
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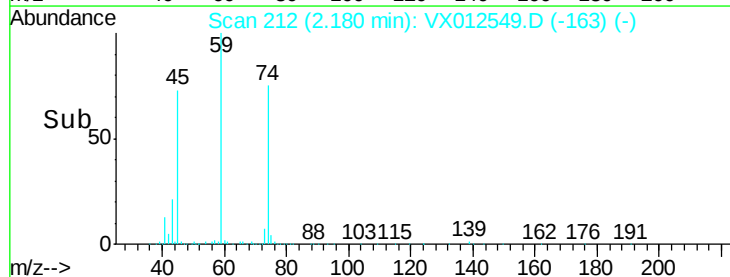
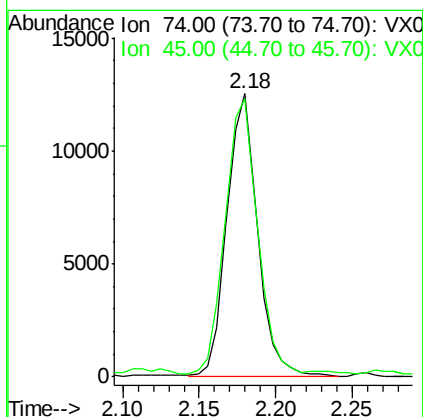
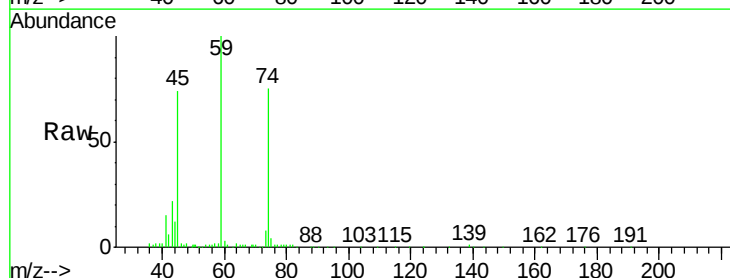
MMDadoda
9/23/2019 11:29:40 AM

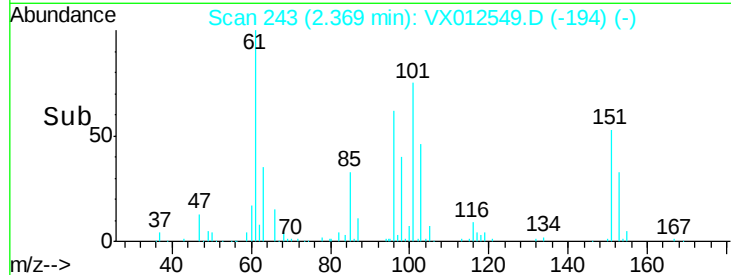
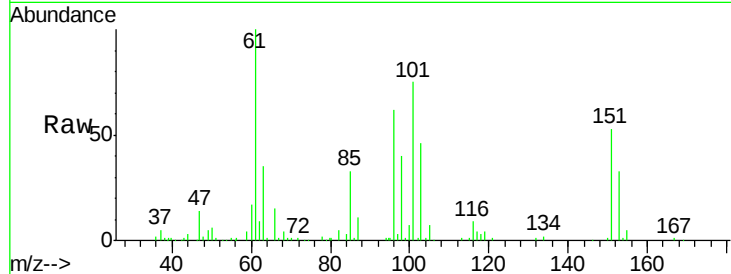
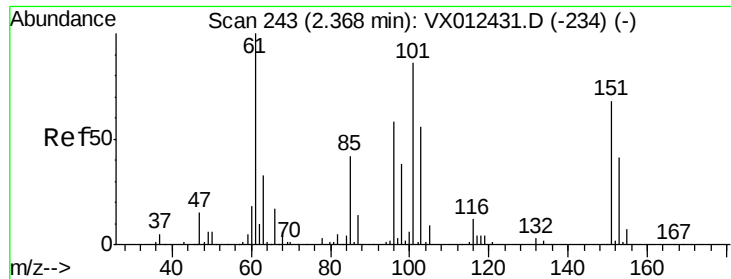


#8

Diethyl Ether
Concen: 19.082 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	49.9	149.7





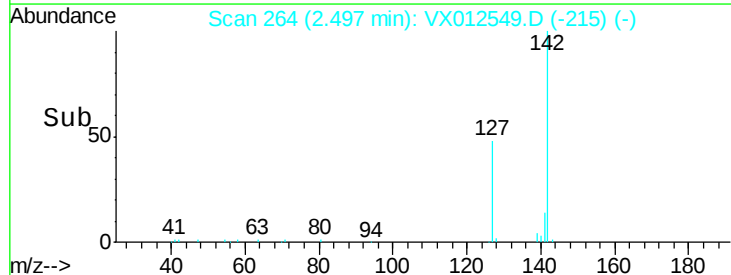
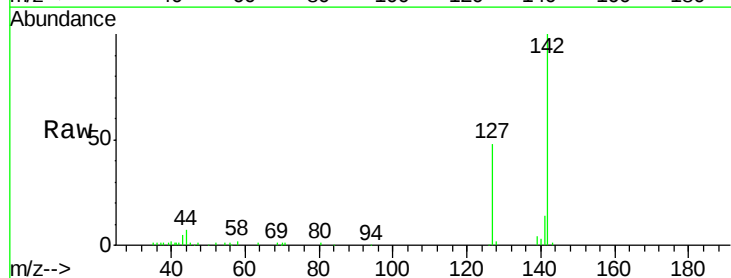
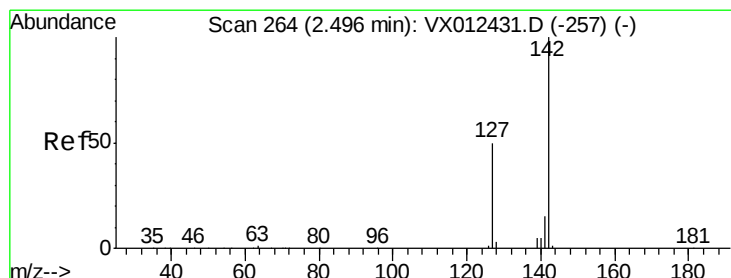
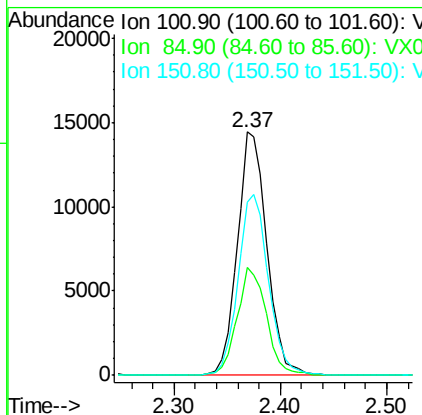
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.151 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	28198		
85	44.1	37.3	55.9	
151	76.5	61.0	91.4	

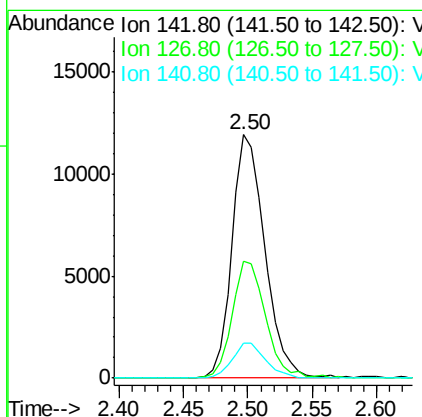
Manual Integrations
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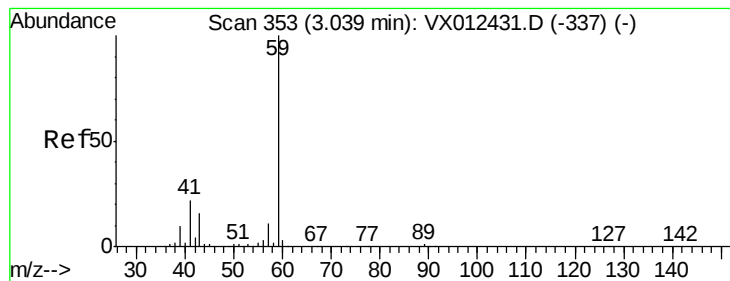
MMDadoda
9/23/2019 11:29:40 AM



#10
Methyl Iodide
Concen: 19.773 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	21260		
127	48.8	40.8	61.2	
141	14.7	12.1	18.1	





#11

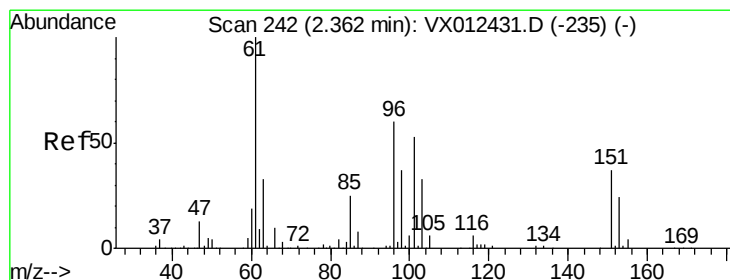
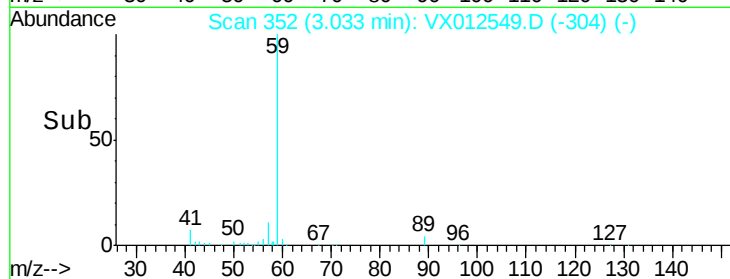
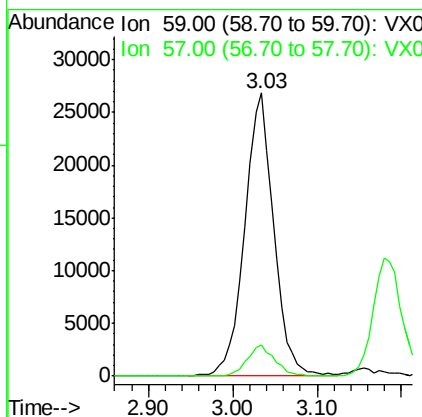
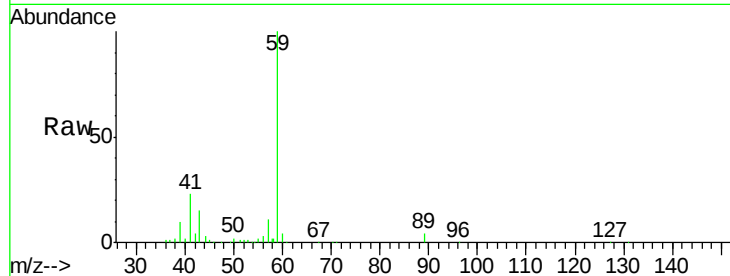
Tert butyl alcohol
 Concen: 88.408 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
 APPROVED

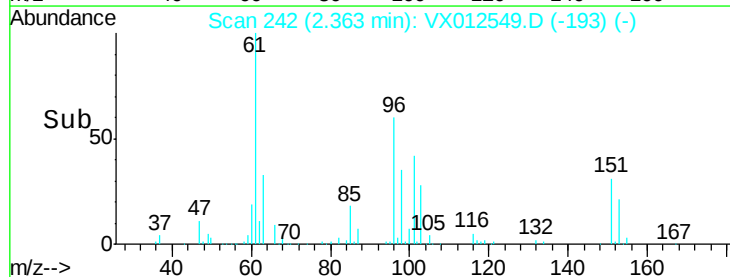
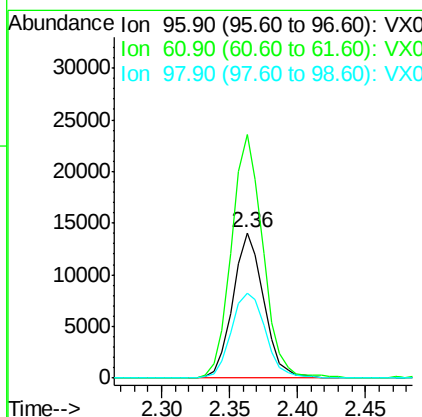
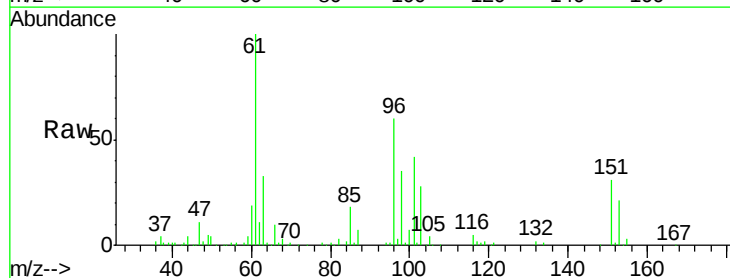
MMDadoda
 9/23/2019 11:29:40 AM

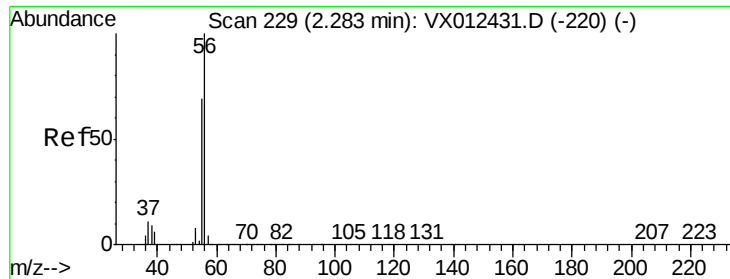


#12

1,1-Dichloroethene
 Concen: 18.958 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	133.8	200.6
98	58.8	49.9	74.9





#13

Acrolein

Concen: 86.262 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampled :

VX0920MBS01

Tot Ion: 56 Resp: 20541

Ion Ratio Lower Upper

56 100

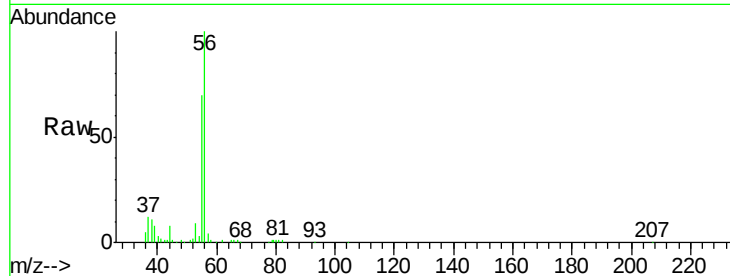
55 68.7 55.8 83.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

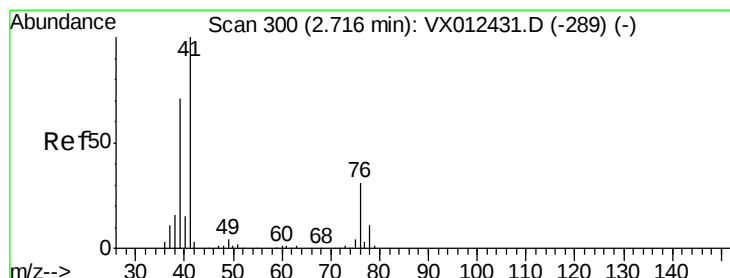
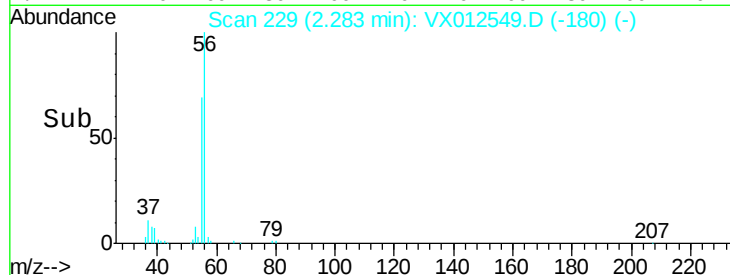
10000

5000

0

2.20 2.25 2.30 2.35

Time-->



#14

Allyl chloride

Concen: 18.737 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

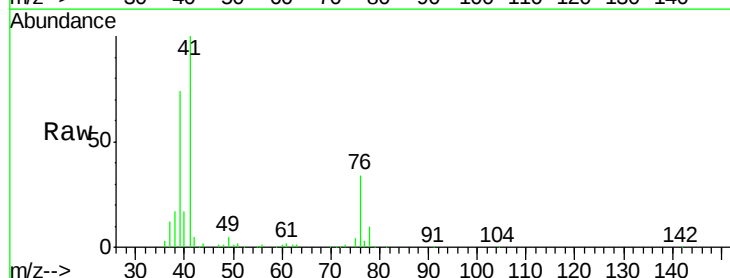
Tgt Ion: 41 Resp: 51238

Ion Ratio Lower Upper

41 100

39 65.9 51.3 76.9

76 28.1 22.6 33.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

30000

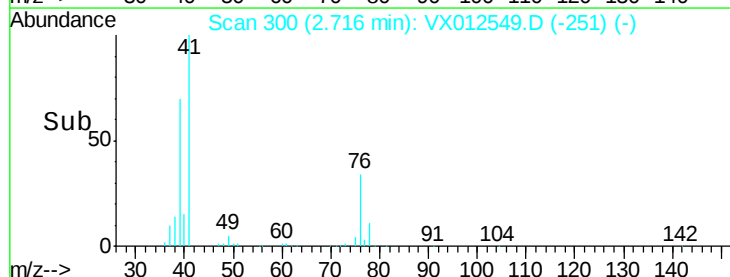
20000

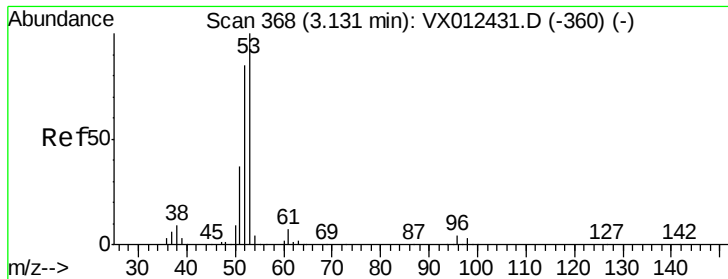
10000

0

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 96.529 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

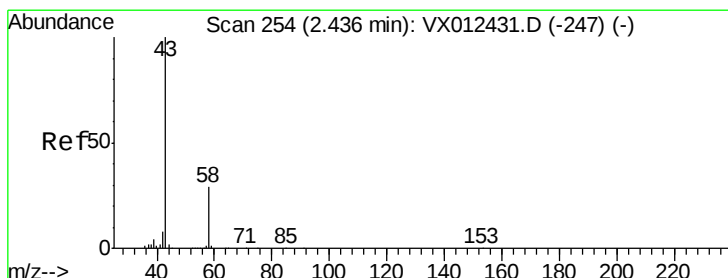
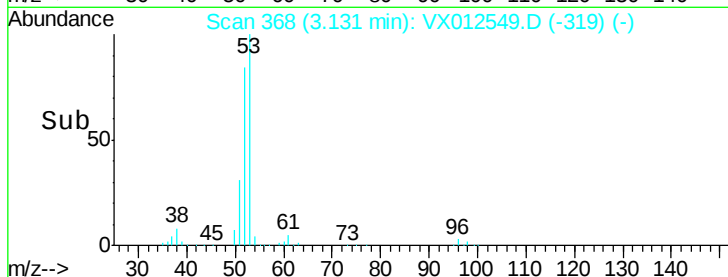
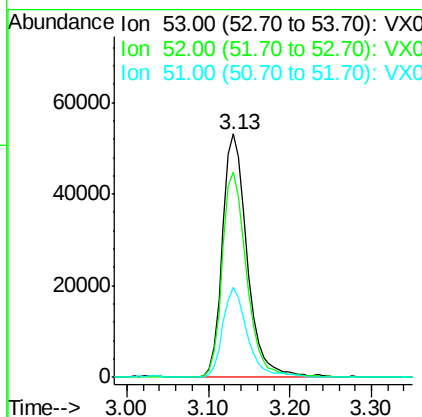
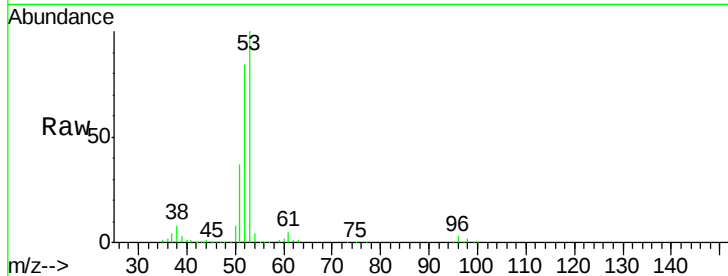
ClientSampleId :

VX0920MBS01

Tot Ion:	53	Resp:	112005
Ion Ratio		Lower	Upper
53	100		
52	83.1	67.0	100.4
51	36.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 90.128 ug/l

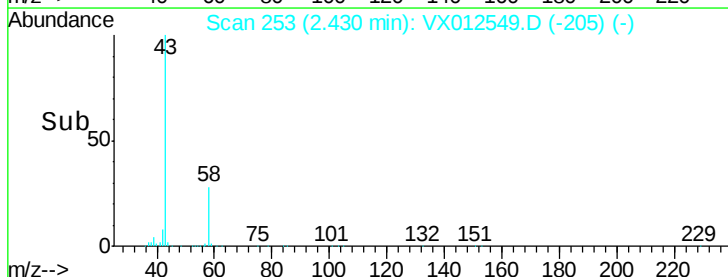
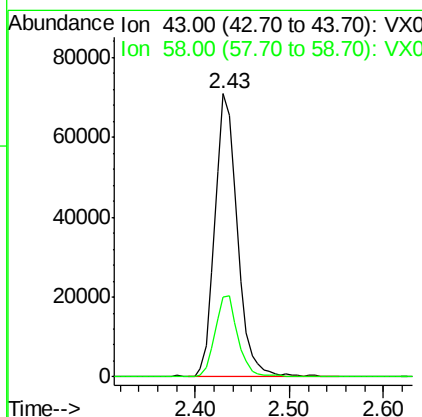
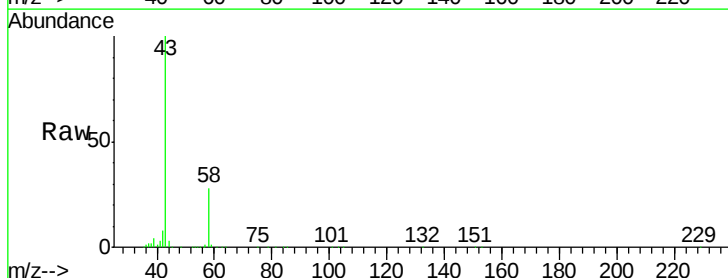
RT: 2.43 min Scan# 253

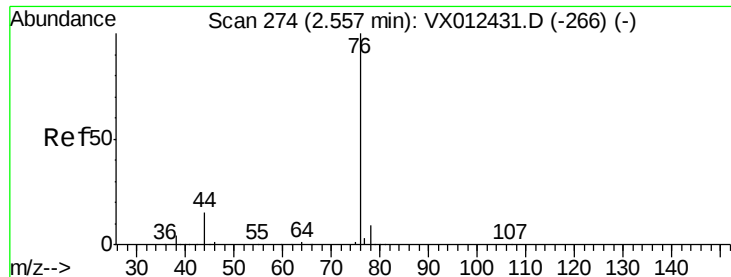
Delta R.T. -0.01 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion:	43	Resp:	116497
Ion Ratio		Lower	Upper
43	100		
58	28.4	23.3	34.9





#17

Carbon Disulfide

Concen: 17.457 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 76 Resp: 26972

Ion Ratio Lower Upper

76 100

78 8.5

7.3

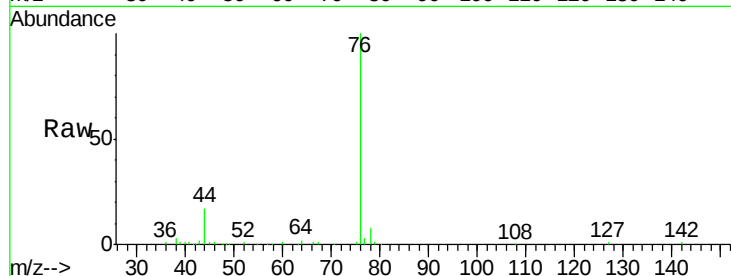
10.9

Manual Integrations

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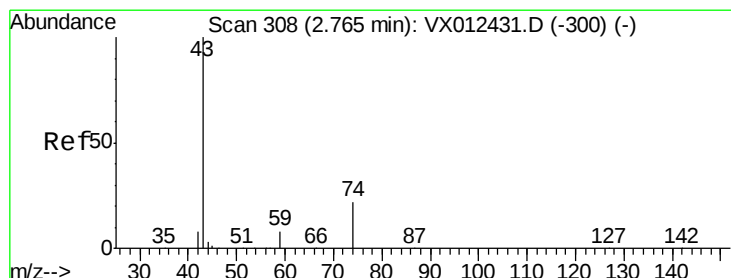
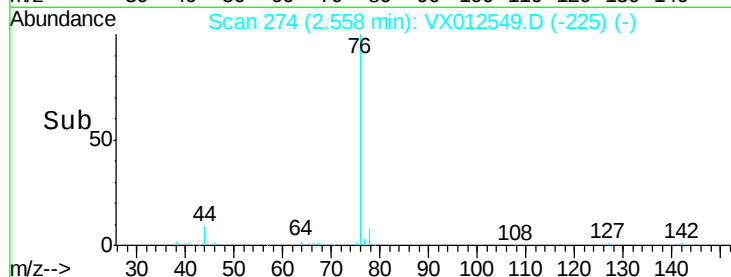
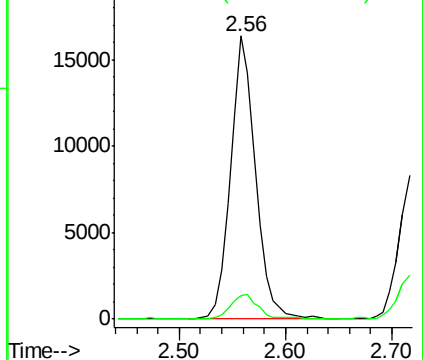
MMDadoda

9/23/2019 11:29:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.194 ug/l

RT: 2.77 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion: 43 Resp: 53556

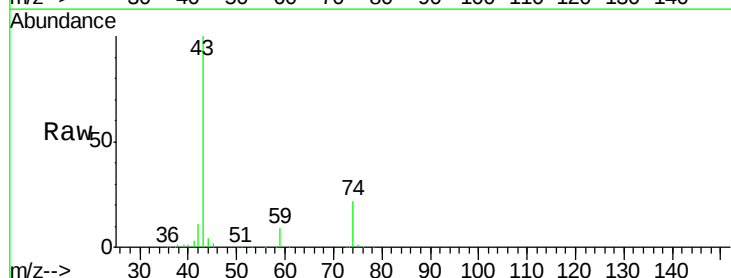
Ion Ratio Lower Upper

43 100

74 23.5

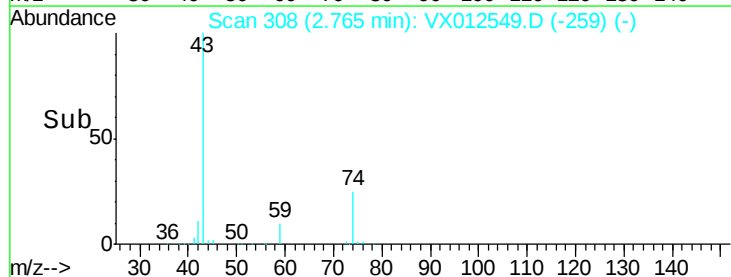
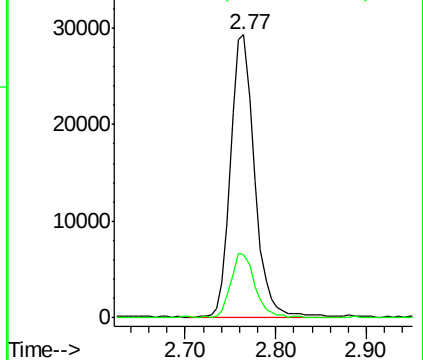
17.7

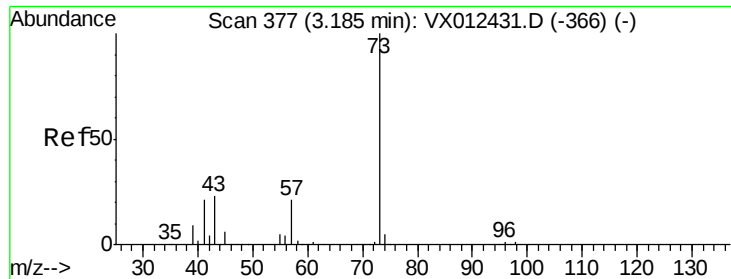
26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





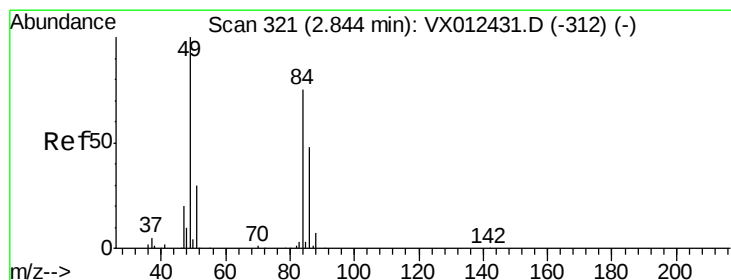
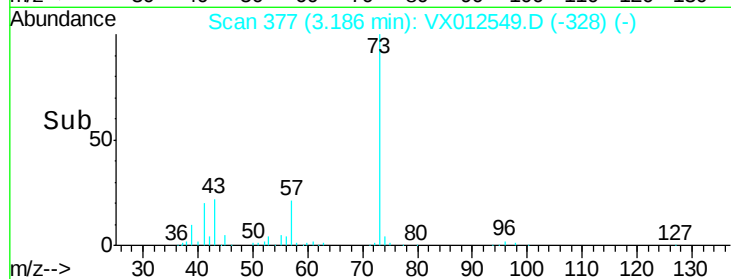
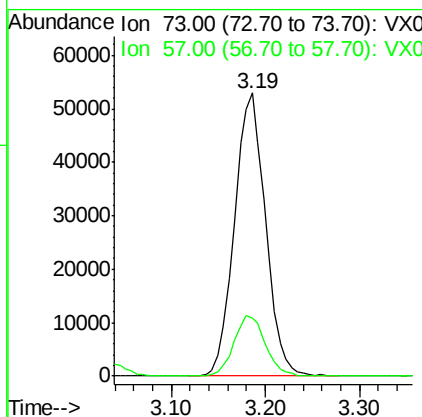
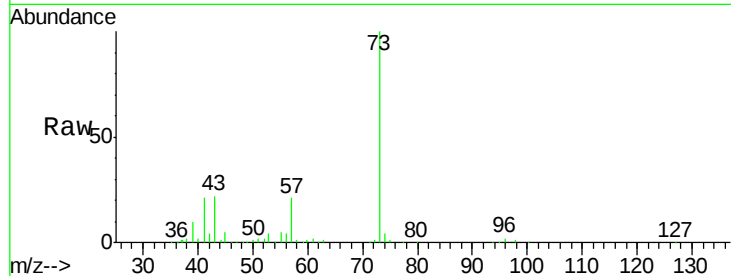
#19
Methvl tert-butvl Ether
Concen: 18.988 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.8	25.2

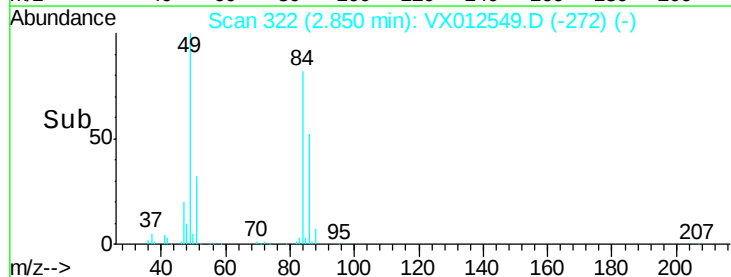
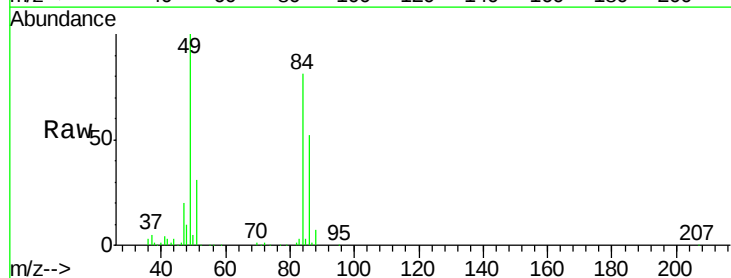
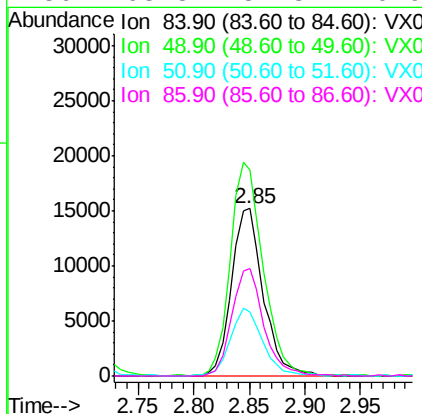
Manual Integrations
APPROVED

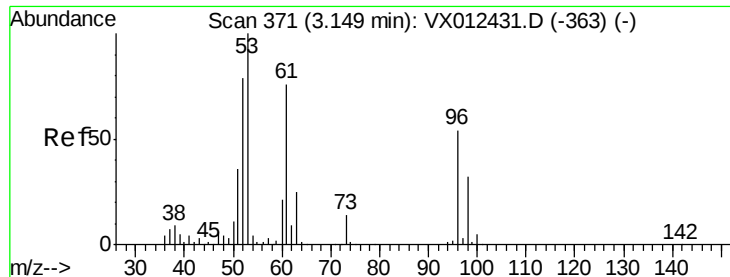
MMDadoda
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#20
Methylene Chloride
Concen: 18.613 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	106.8	160.2
51	38.6	32.3	48.5
86	63.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.762 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 96 Resp: 24105

Ion Ratio Lower Upper

96 100

61 137.0 112.0 168.0

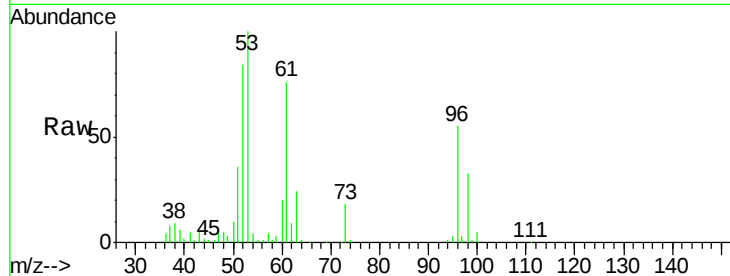
98 60.4 47.8 71.8

Manual Integrations

APPROVED

MMDadoda

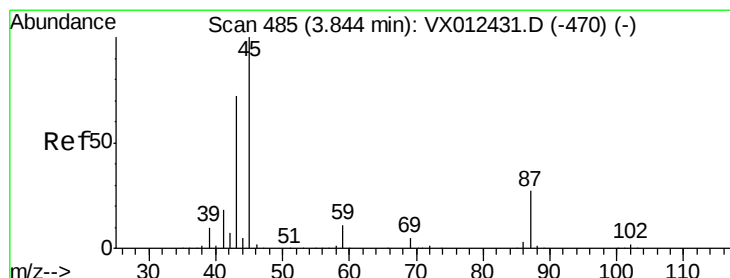
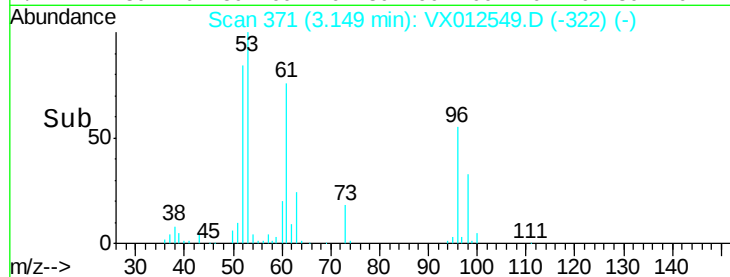
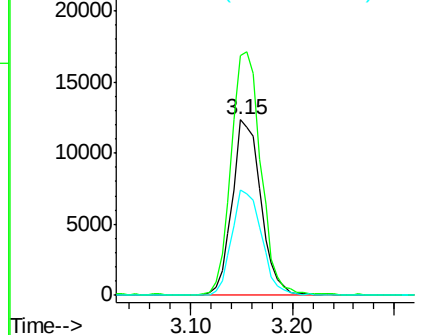
9/23/2019 11:29:40 AM



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: 19.343 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion: 45 Resp: 123854

Ion Ratio Lower Upper

45 100

43 73.9 57.8 86.8

87 25.1 21.3 31.9

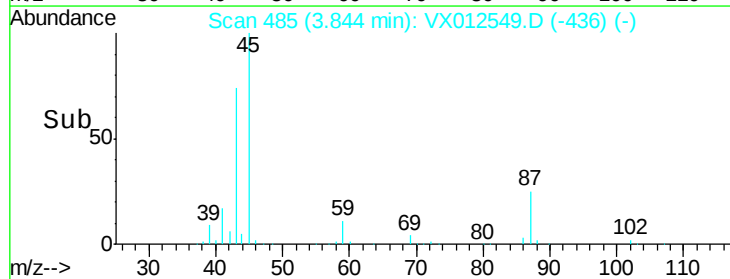
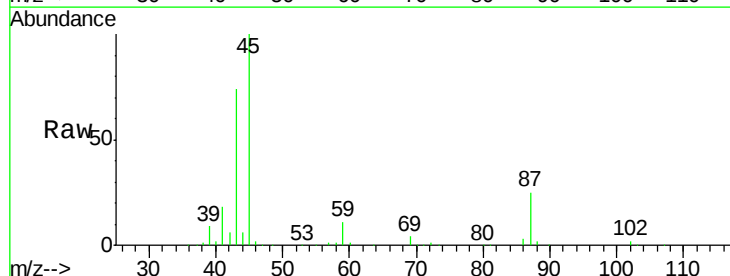
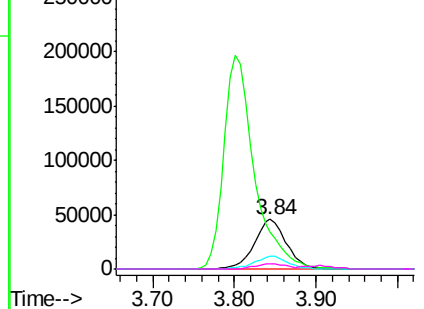
59 10.9 8.5 12.7

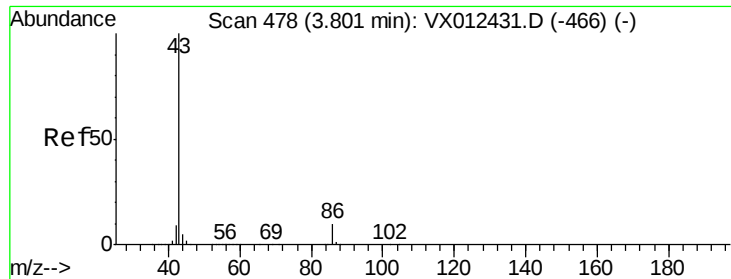
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 97.314 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampled :

VX0920MBS01

Tot Ion: 43 Resp: 512565

Ion Ratio Lower Upper

43 100

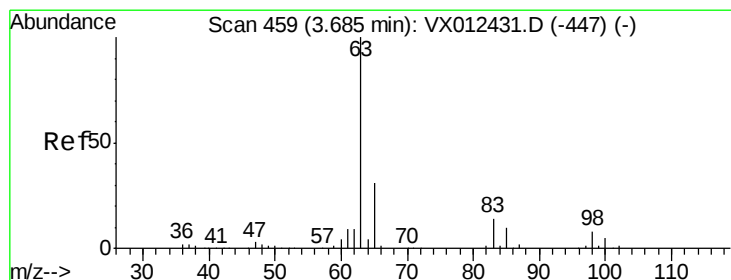
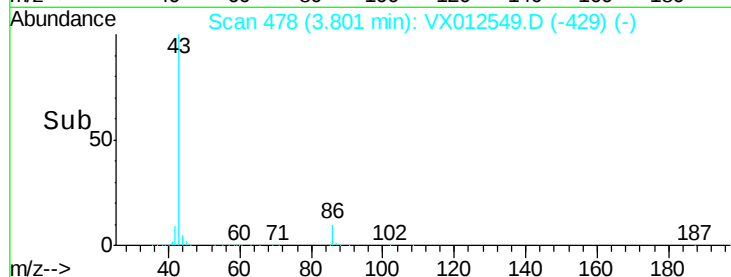
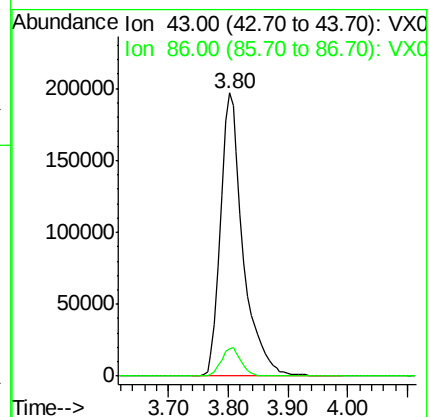
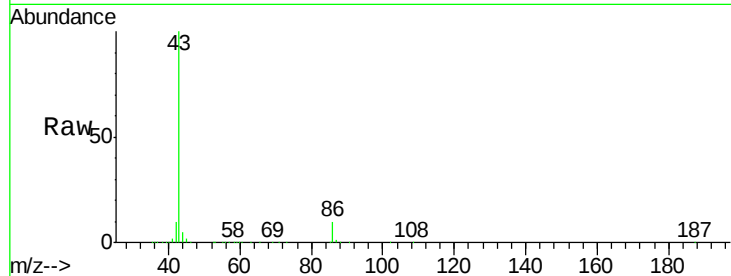
86 9.7 7.8 11.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 19.525 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

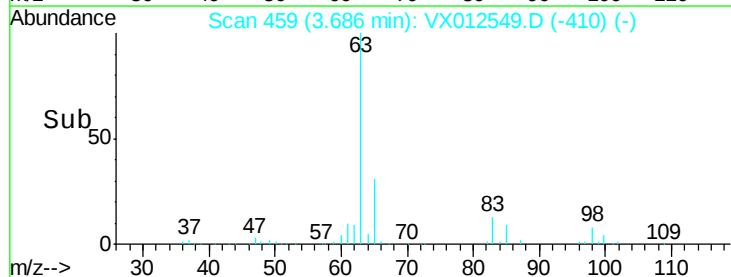
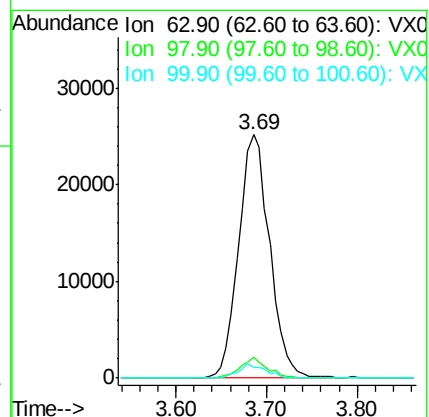
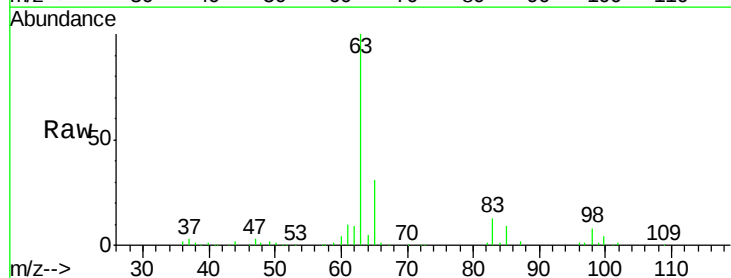
Tgt Ion: 63 Resp: 59817

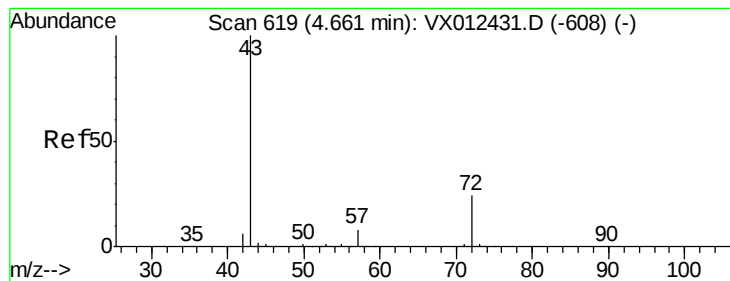
Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.7

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 90.482 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 43 Resp: 168059

Ion Ratio Lower Upper

43 100

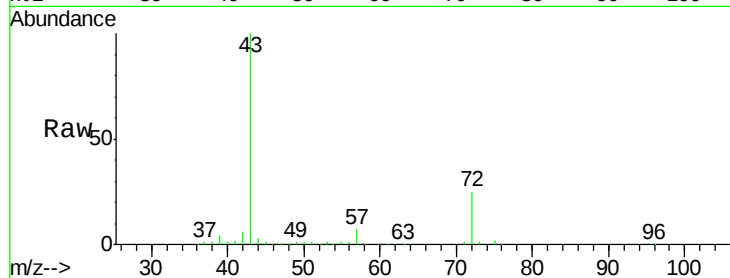
72 24.8 19.2 28.8

Manual Integrations

APPROVED

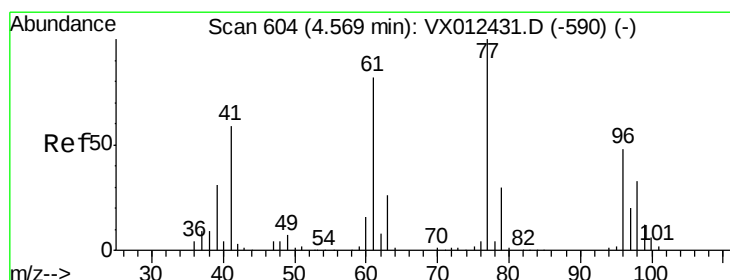
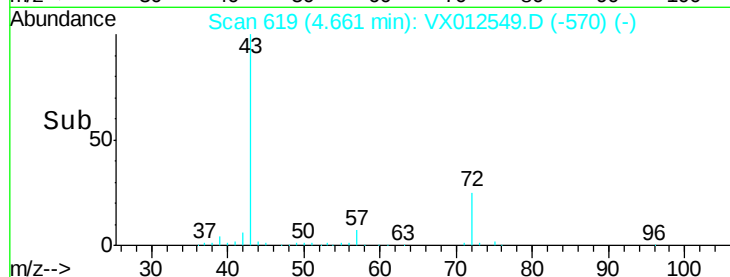
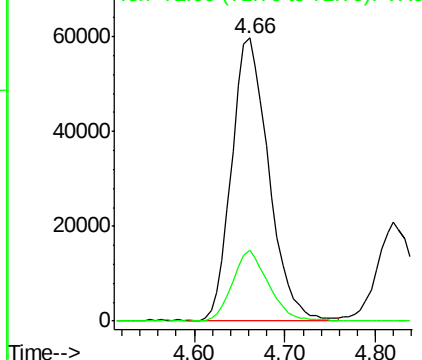
MMDadoda

9/23/2019 11:29:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.966 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012549.D

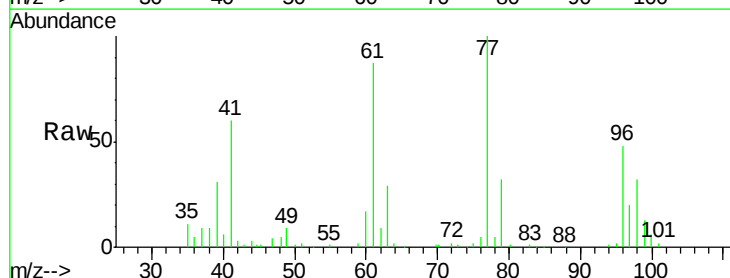
Acq: 20 Sep 2019 12:05

Tgt Ion: 77 Resp: 54130

Ion Ratio Lower Upper

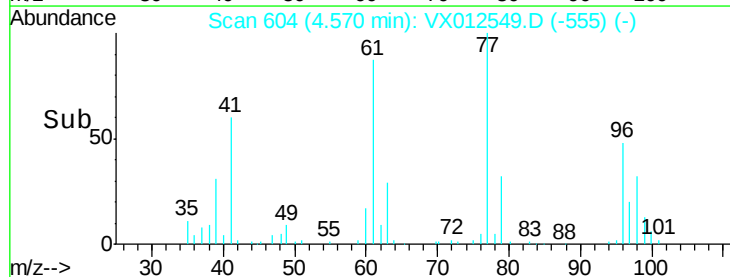
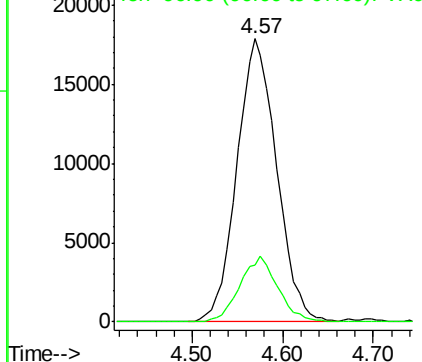
77 100

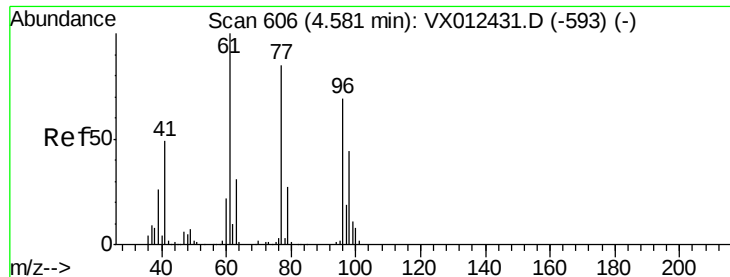
97 22.1 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

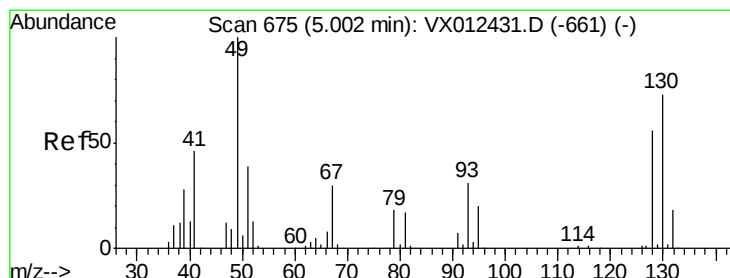
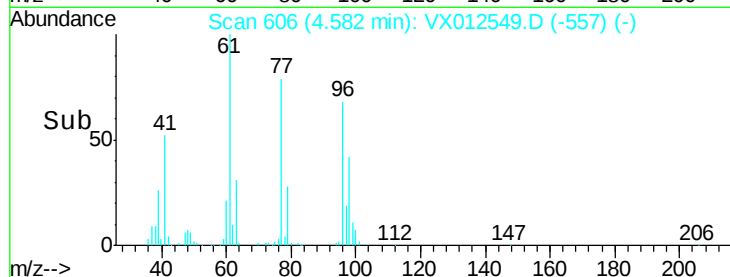
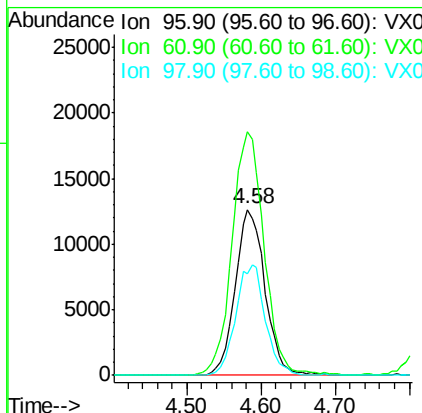
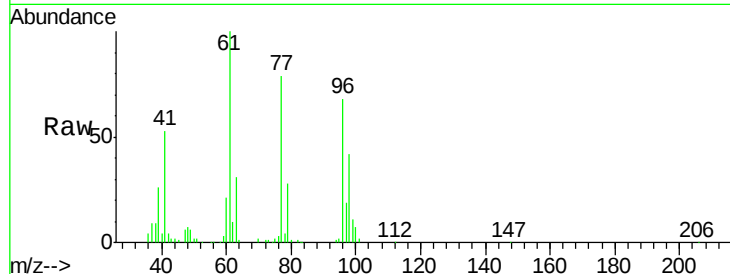
cis-1,2-Dichloroethene
Concen: 19.436 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	319.4
98	66.3	0.0	130.6

Manual Integrations
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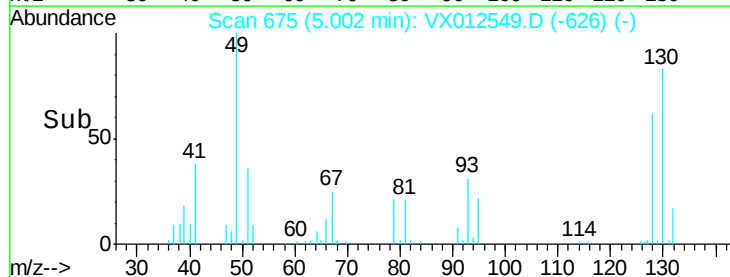
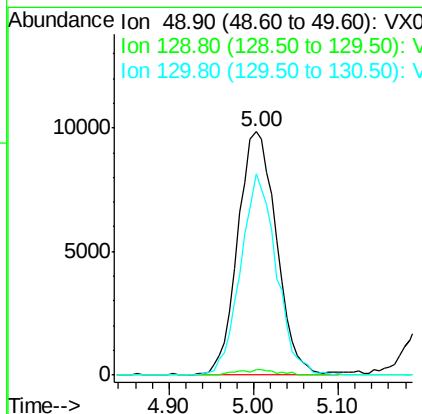
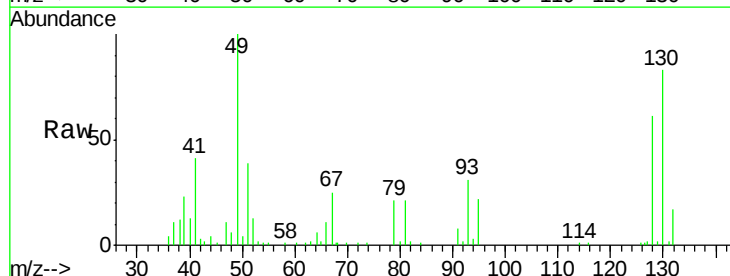
MMDadoda
9/23/2019 11:29:40 AM

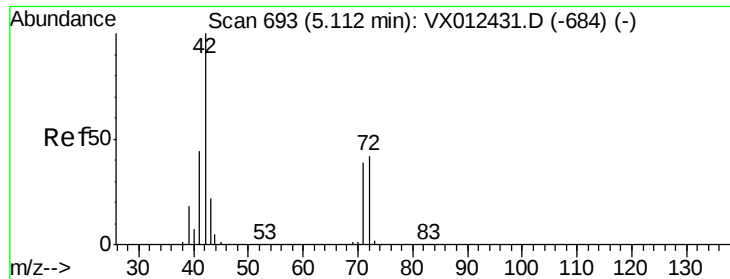


#28

Bromochloromethane
Concen: 19.438 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	75.9	58.2	87.4





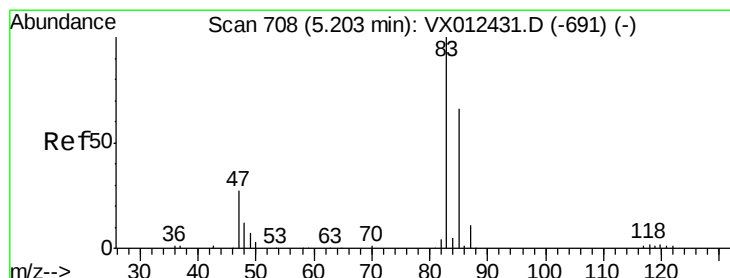
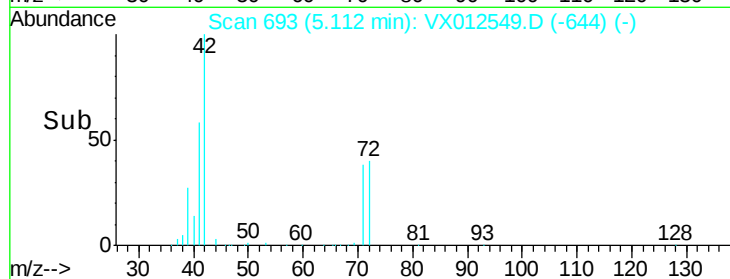
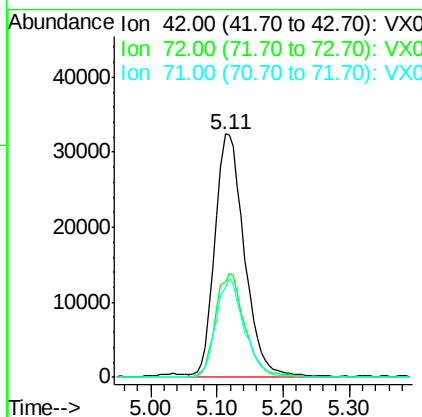
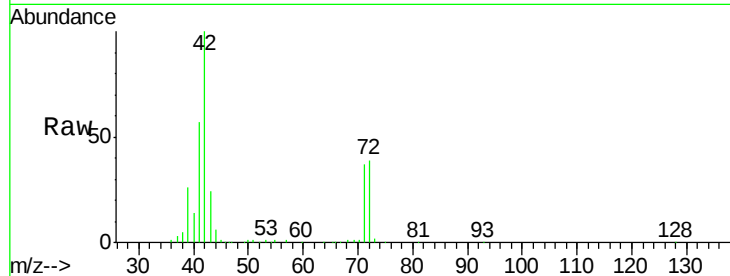
#29
Tetrahydrofuran
Concen: 97.055 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.0	51.0
71	39.1	31.5	47.3

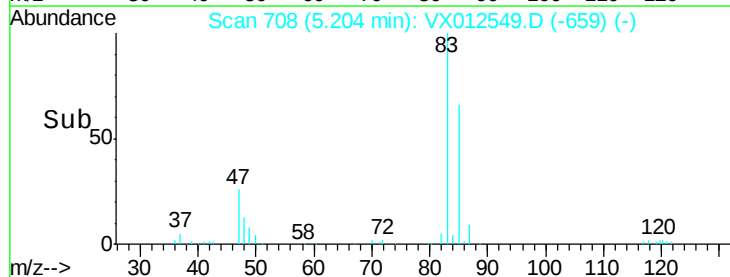
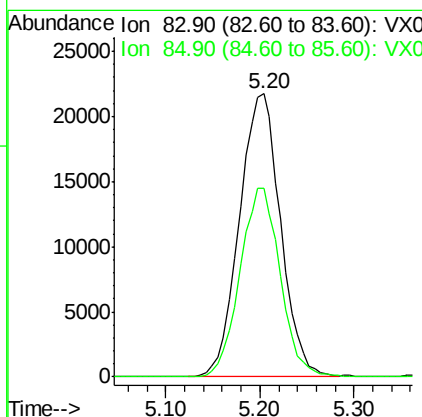
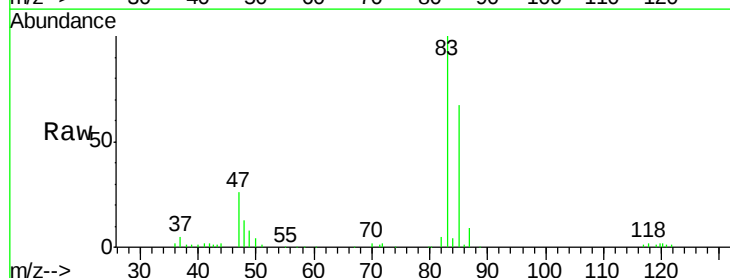
Manual Integrations
APPROVED

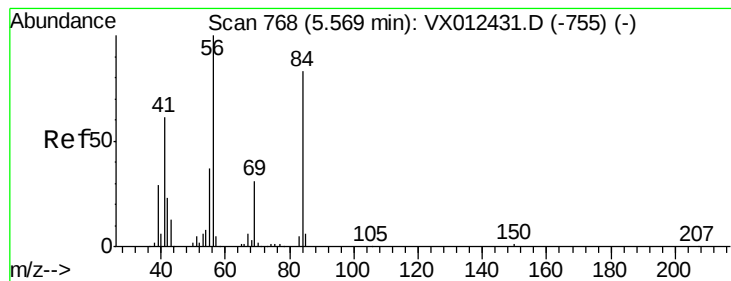
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9/23/2019 11:29:40 AM



#30
Chloroform
Concen: 18.797 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.0	79.4





#31

Cyclohexane

Concen: 19.255 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

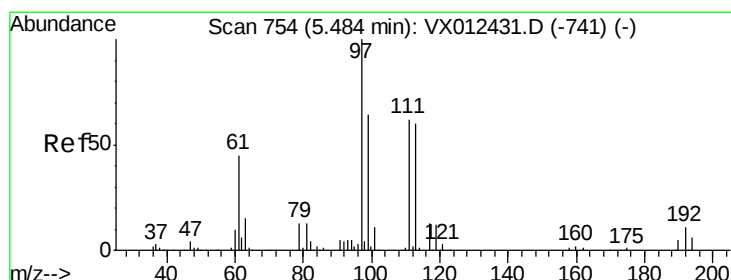
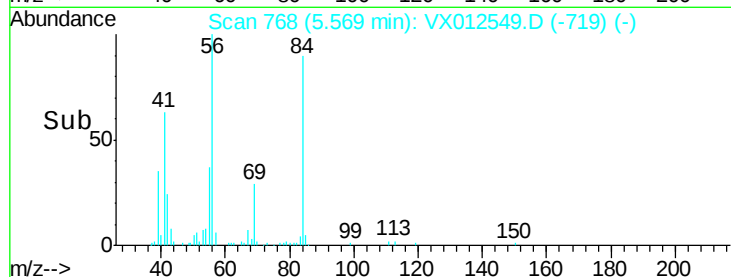
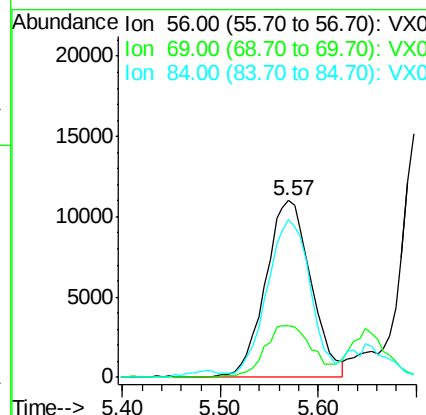
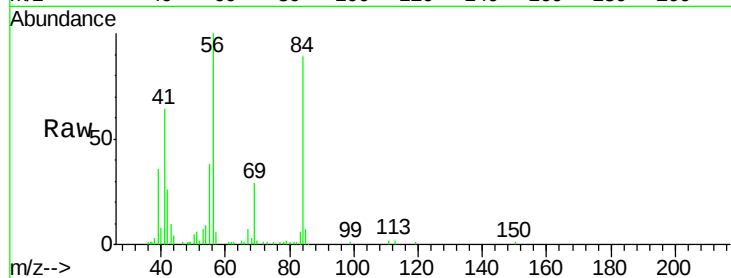
ClientSampleId :

VX0920MBS01

Tot Ion:	56	Resp:	35609
Ion Ratio	Lower	Upper	
56	100		
69	29.0	25.0	37.6
84	86.8	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
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#32

1,1,1-Trichloroethane

Concen: 18.504 ug/l

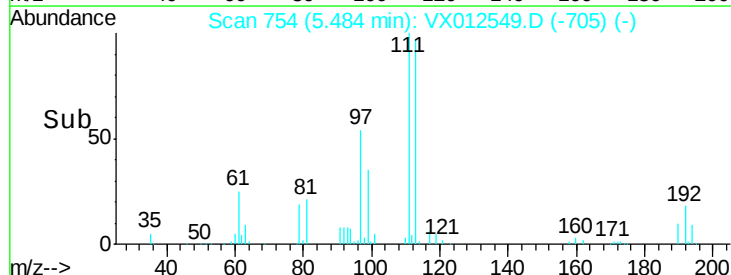
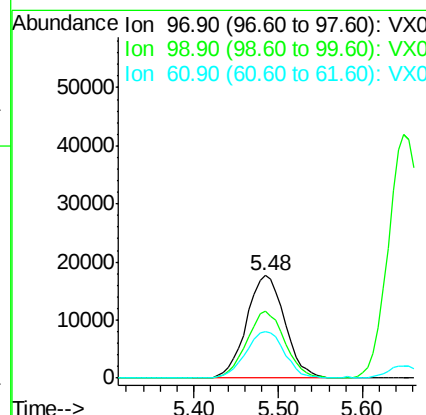
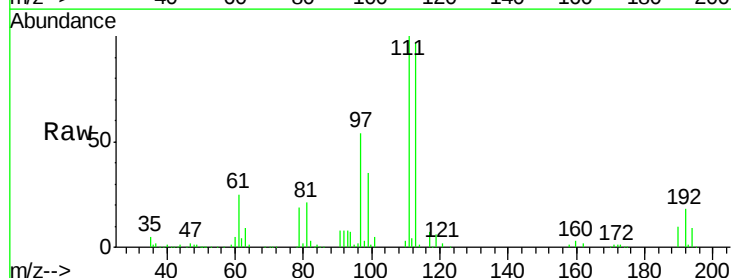
RT: 5.48 min Scan# 754

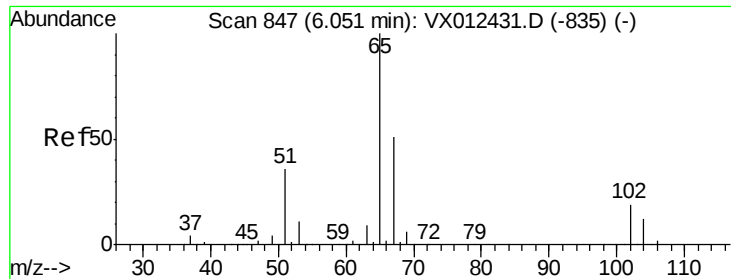
Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion:	97	Resp:	54415
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.3	76.9
61	46.3	36.1	54.1





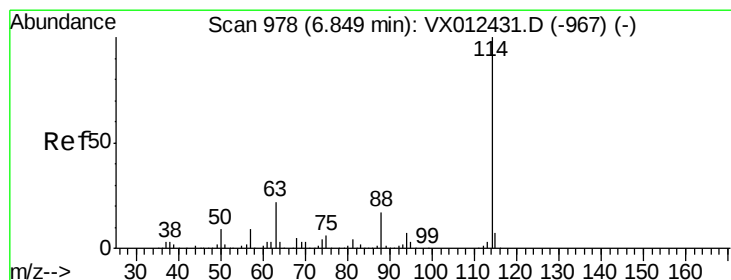
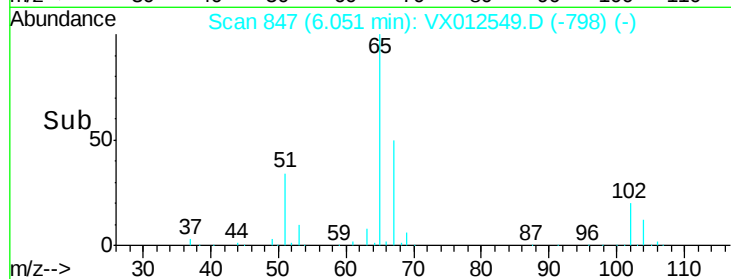
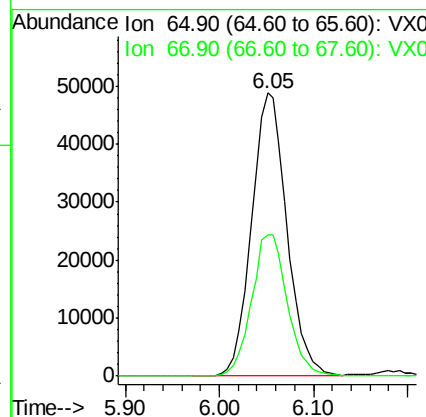
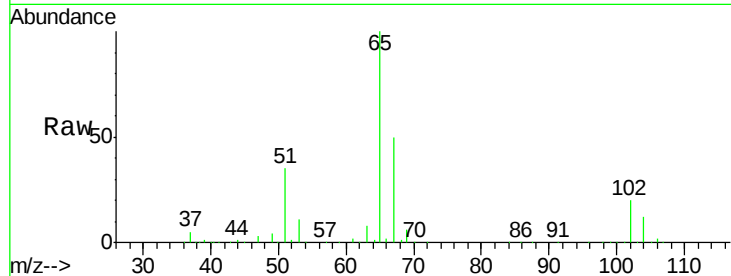
#33
 1,2-Dichloroethane-d4
 Concen: 47.809 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128015		
67	51.0	0.0	101.2	

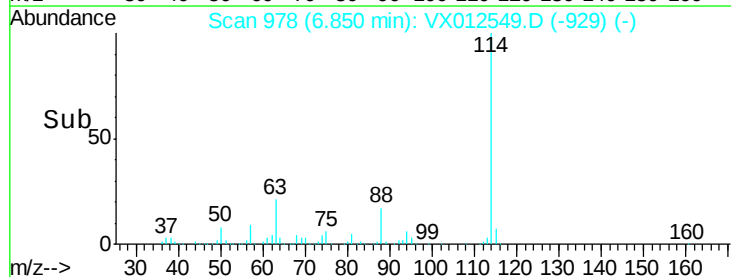
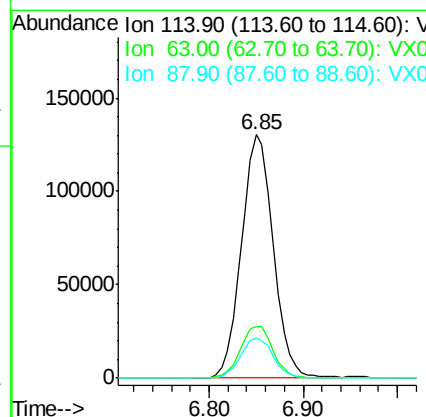
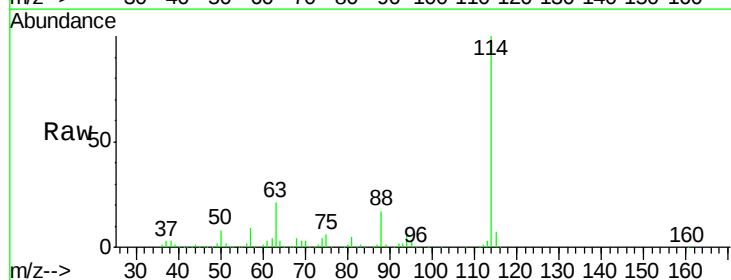
Manual Integrations
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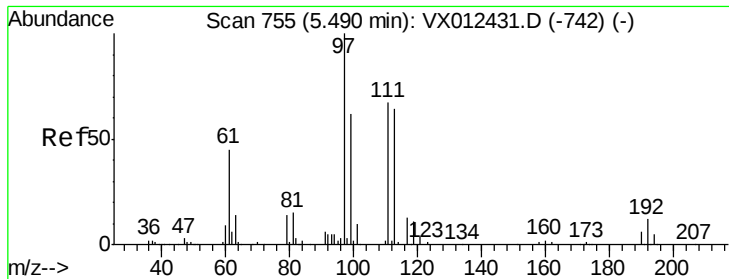
MMDadoda
 9/23/2019 11:29:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	307638		
63	21.3	0.0	43.2	
88	16.7	0.0	33.2	





#35

Dibromofluoromethane

Concen: 50.710 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

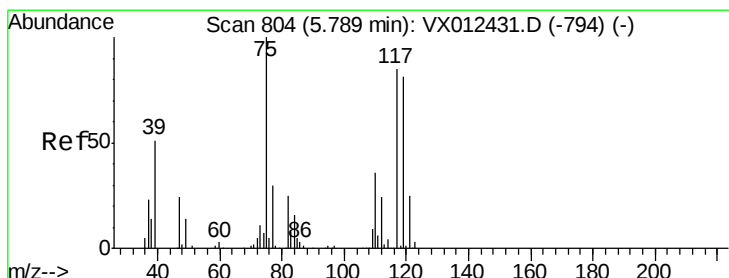
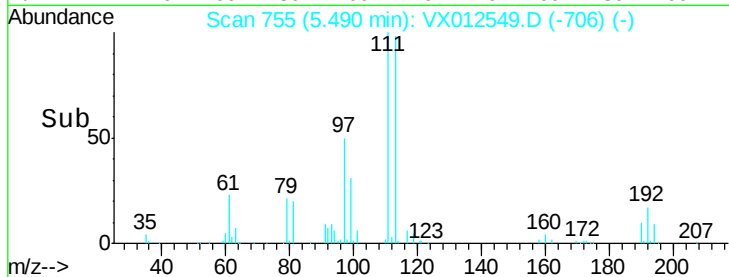
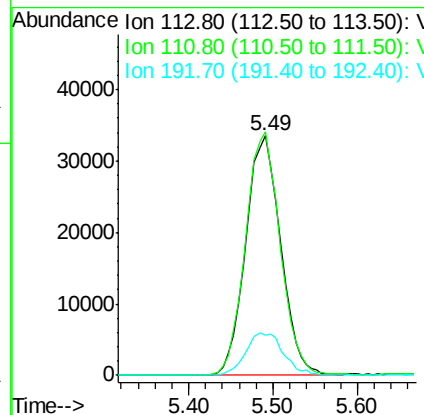
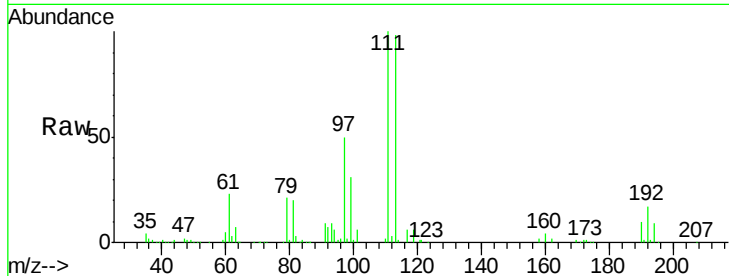
ClientSampleId :

VX0920MBS01

Tot Ion:	113	Resp:	94422
Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.4	125.2
192	19.0	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.636 ug/l

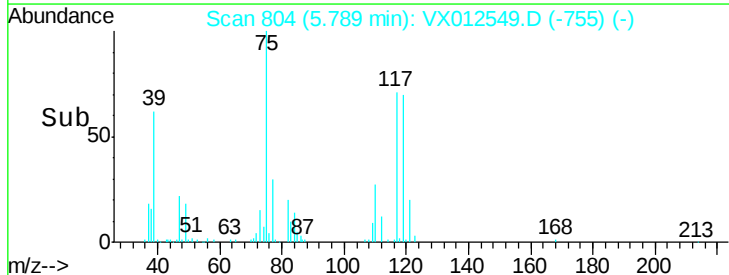
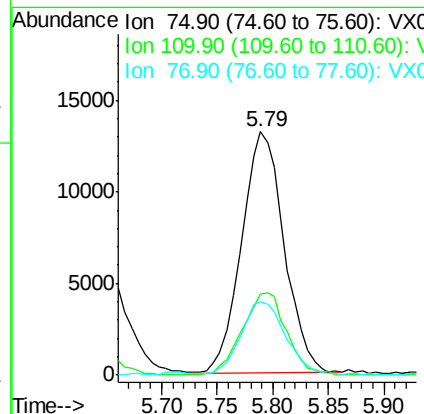
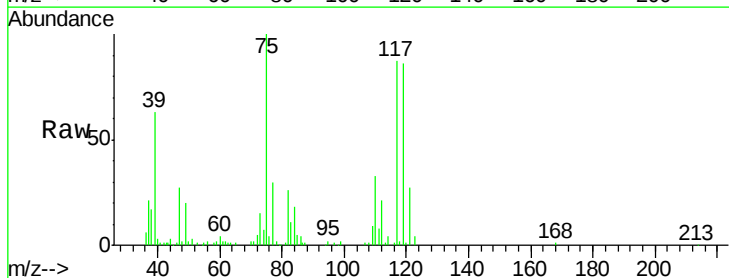
RT: 5.79 min Scan# 804

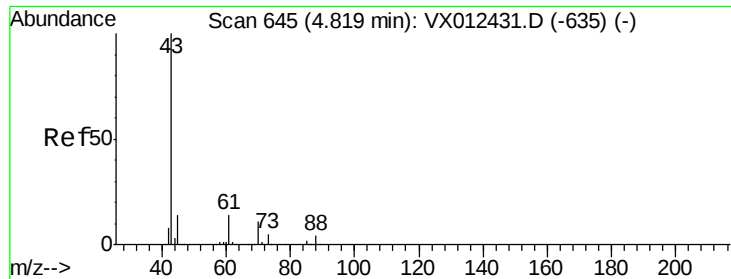
Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion:	75	Resp:	34844
Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.7	50.0
77	32.5	24.2	36.2





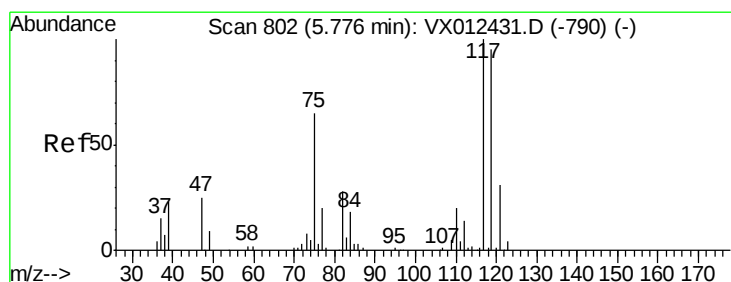
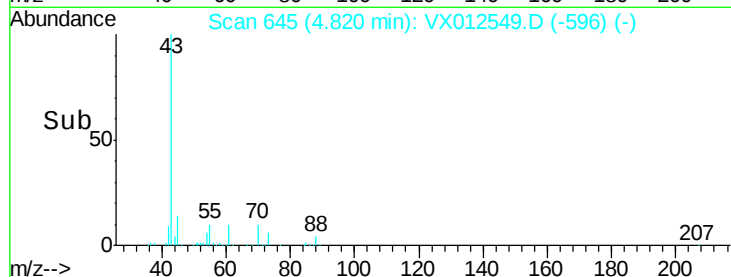
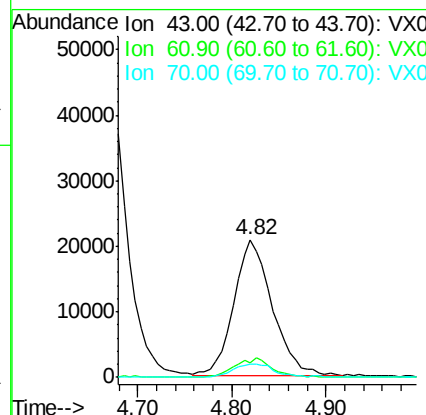
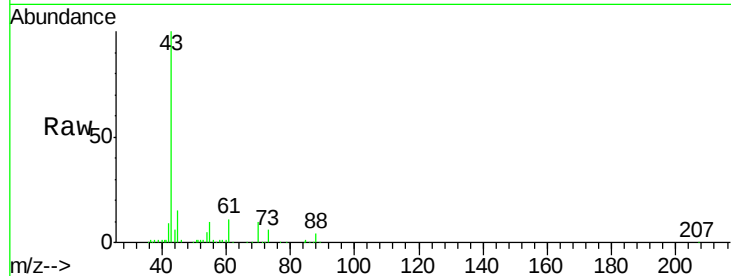
#37
Ethyl Acetate
Concen: 20.484 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.2	15.4
70	10.5	8.7	13.1

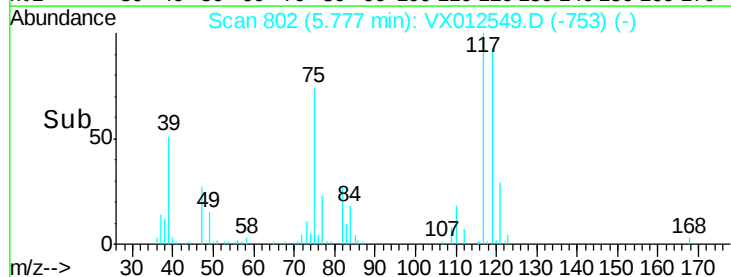
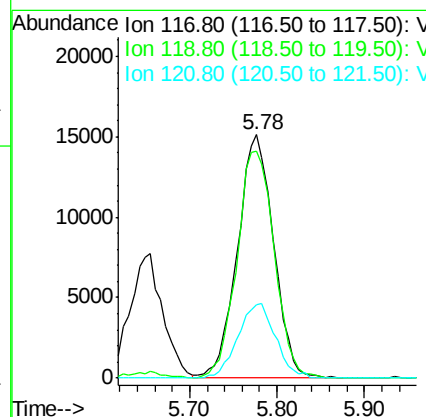
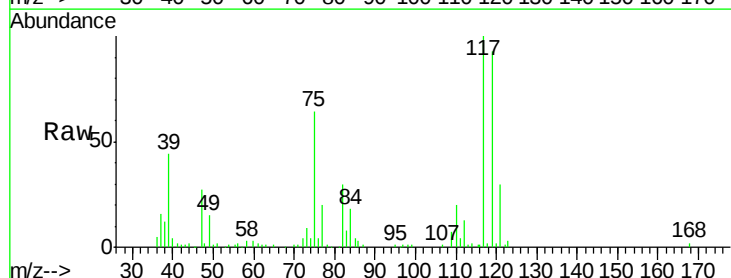
Manual Integrations
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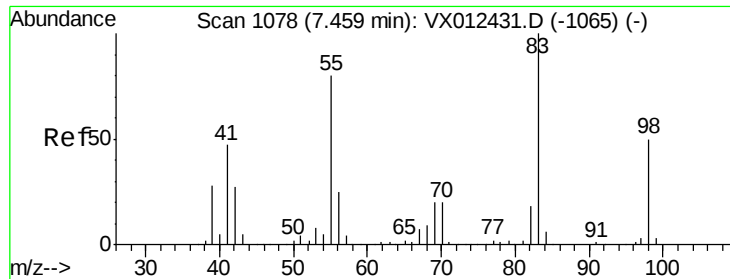
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.714 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	75.7	113.5
121	30.2	24.2	36.4





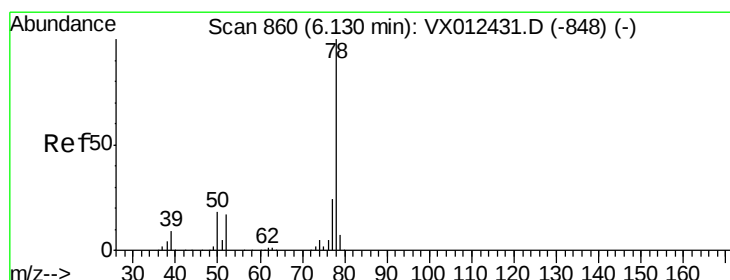
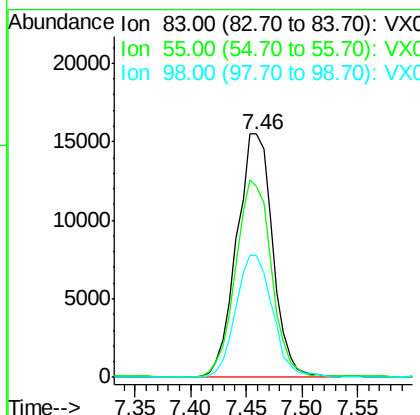
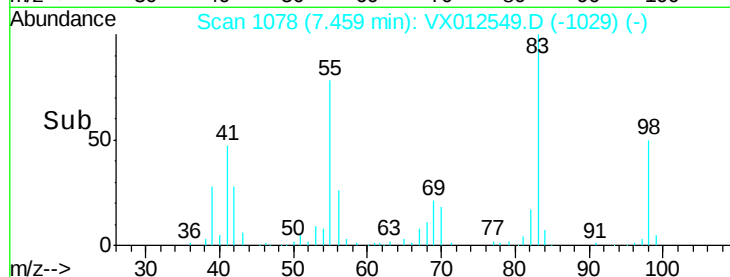
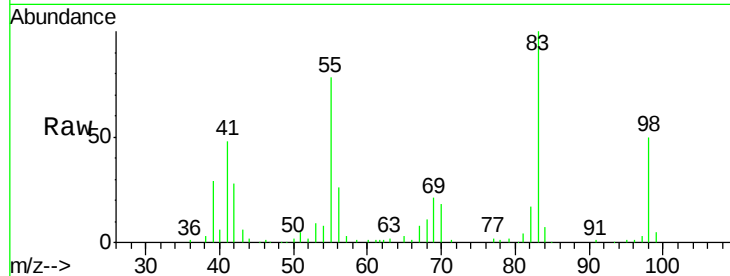
#39
Methvlcvclohexane
Concen: 19.223 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.4		64.4	96.6
98	49.9		40.1	60.1

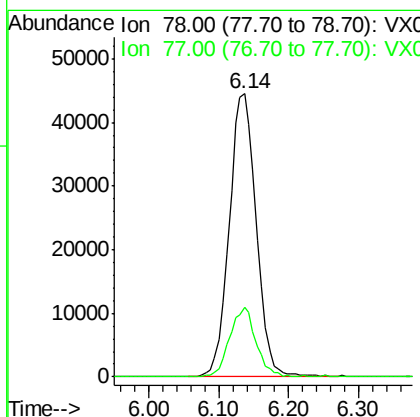
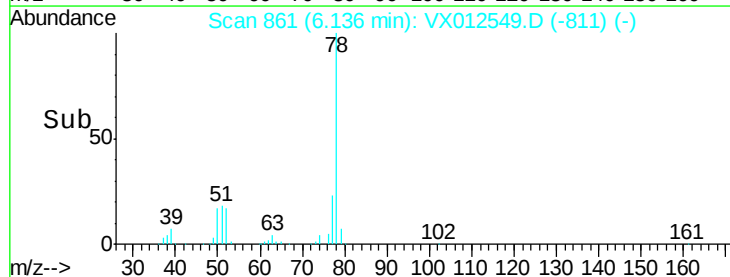
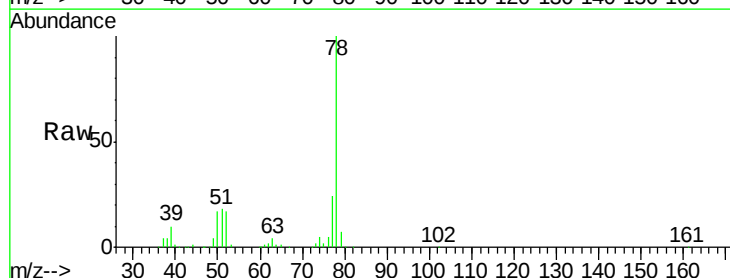
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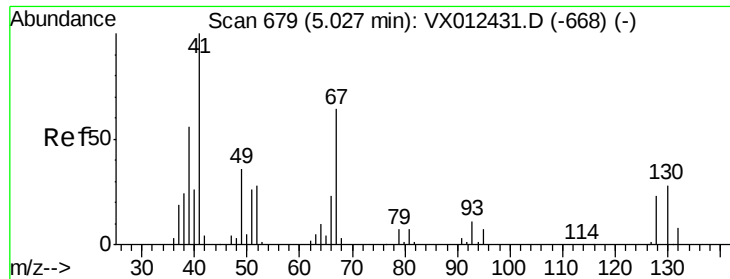
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#40
Benzene
Concen: 20.068 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4		19.2	28.8





#41

Methacrylonitrile

Concen: 18.616 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 41 Resp: 34402

Ion Ratio Lower Upper

41 100

39 59.9 46.0 69.0

67 67.8 52.2 78.2

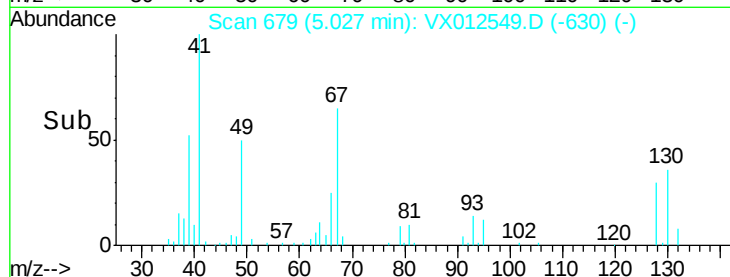
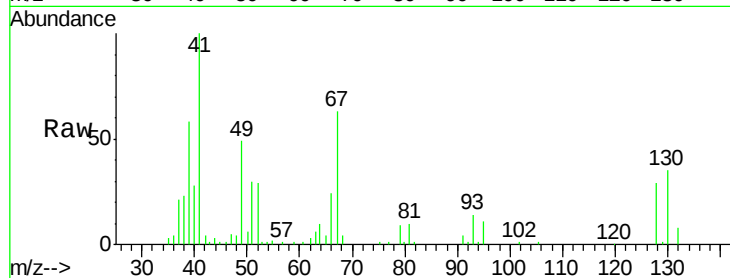
52 31.0 22.7 34.1

Manual Integrations

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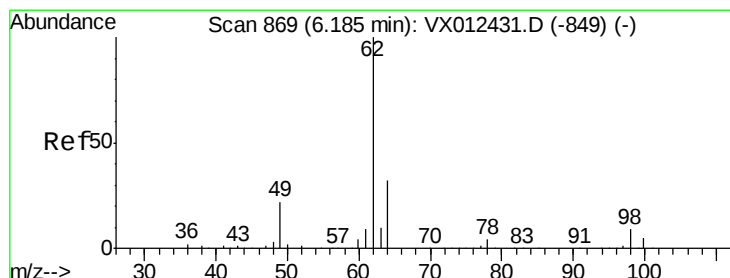
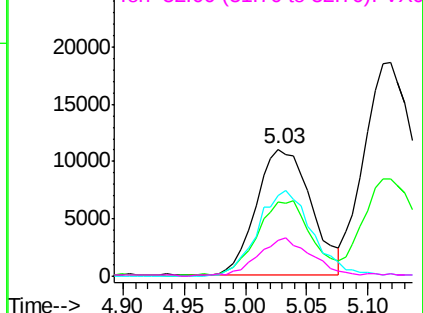


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.608 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012549.D

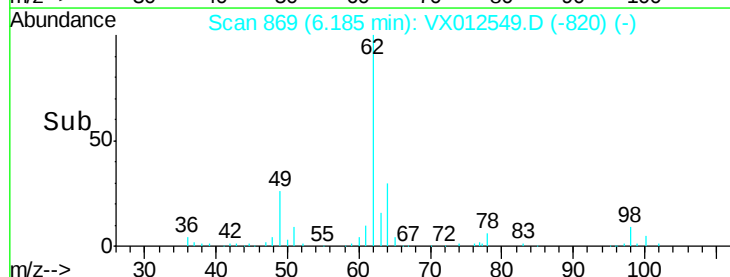
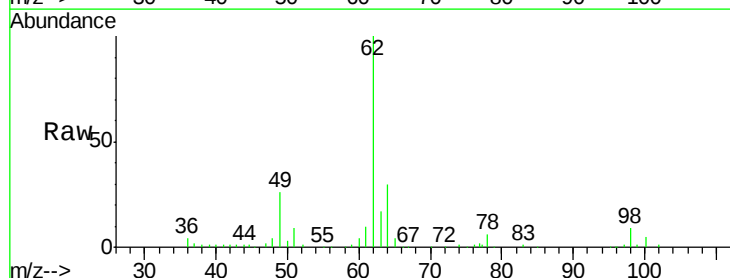
Acq: 20 Sep 2019 12:05

Tgt Ion: 62 Resp: 54072

Ion Ratio Lower Upper

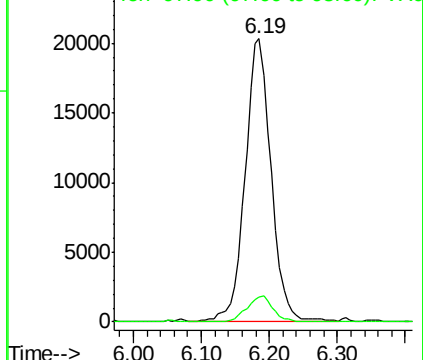
62 100

98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

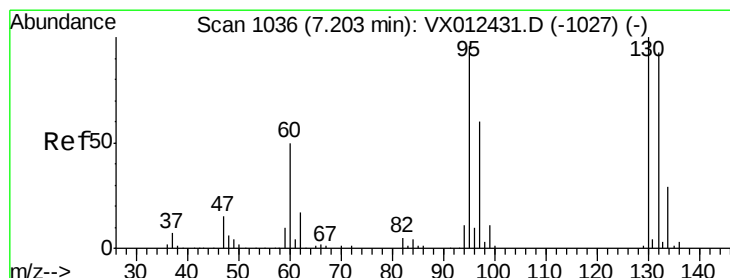
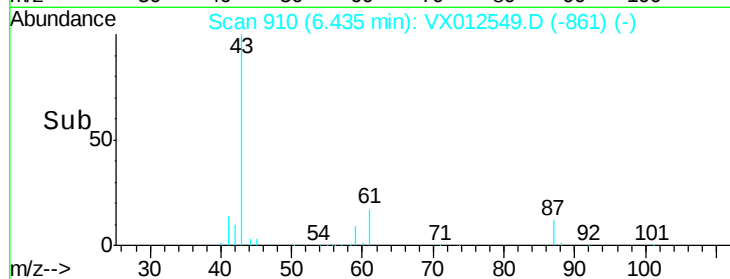
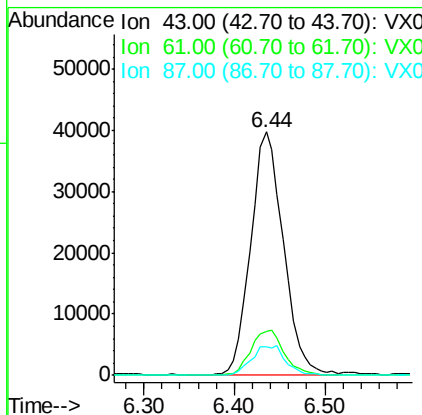
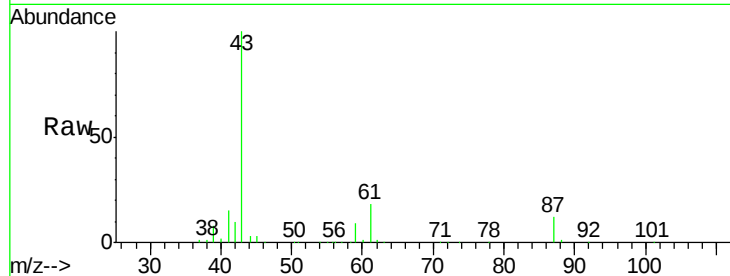
Isopropyl Acetate
 Concen: 19.243 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0920MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	12.6	9.8	14.8

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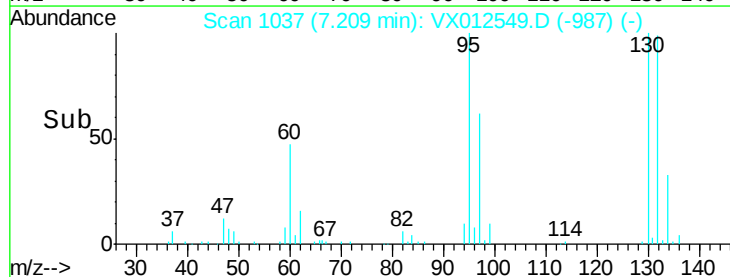
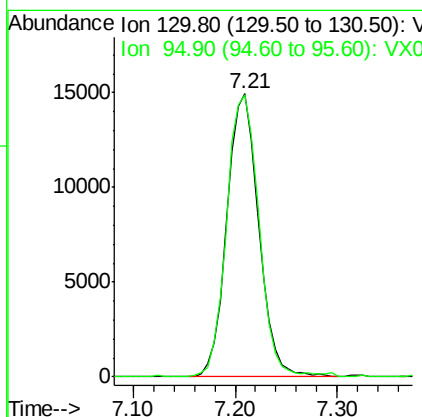
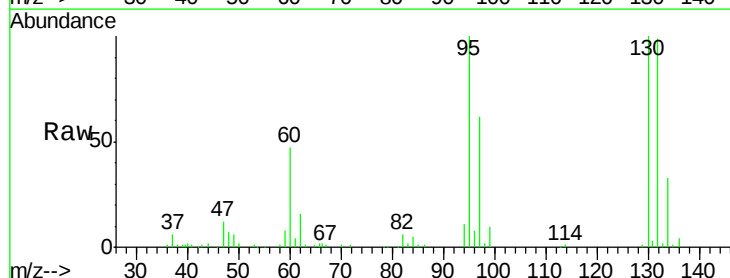
MMDadoda
 9/23/2019 11:29:40 AM

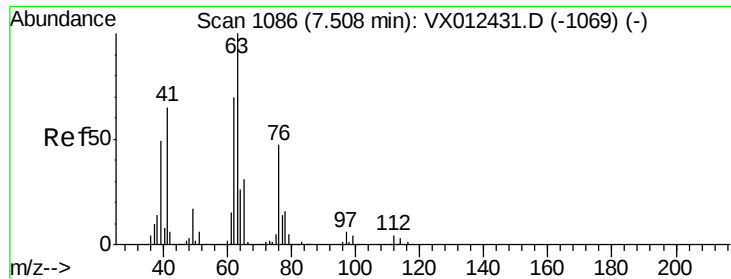


#44

Trichloroethene
 Concen: 20.622 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	193.0





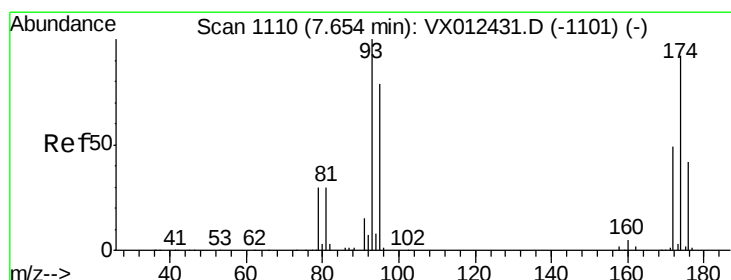
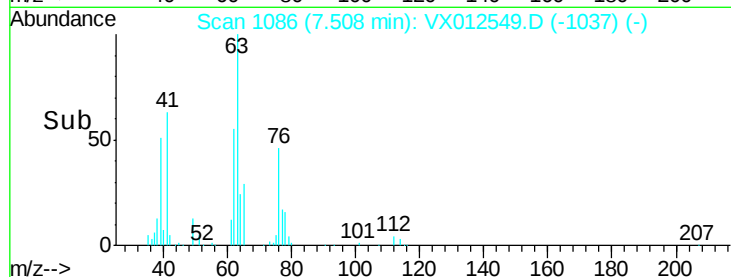
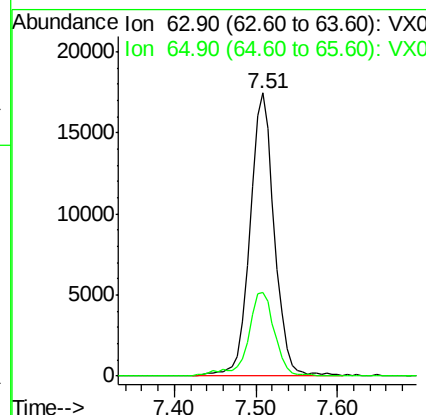
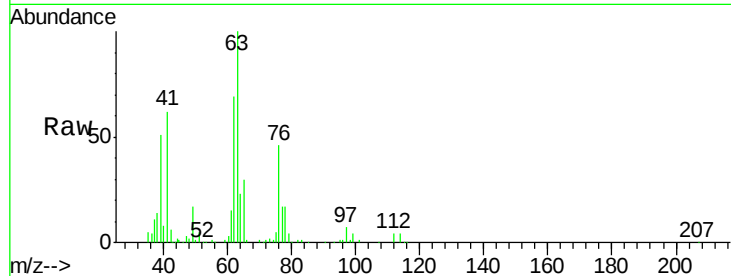
#45
 1,2-Dichloropropane
 Concen: 19.893 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion: 63 Resp: 36337
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.6

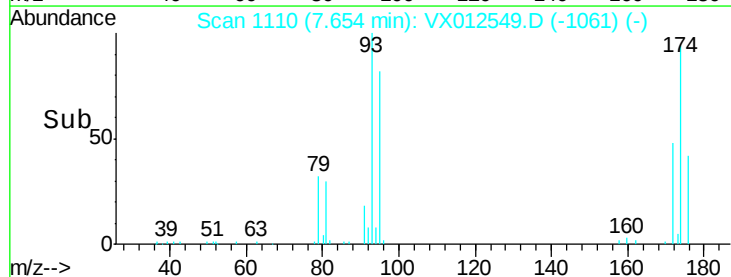
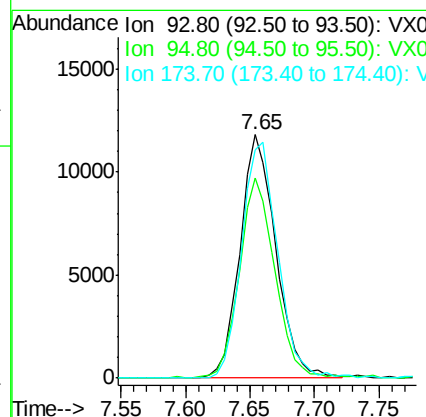
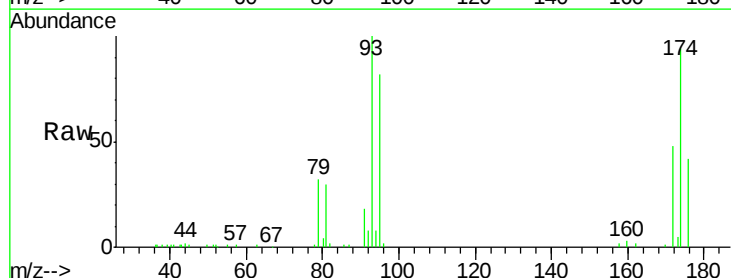
Manual Integrations
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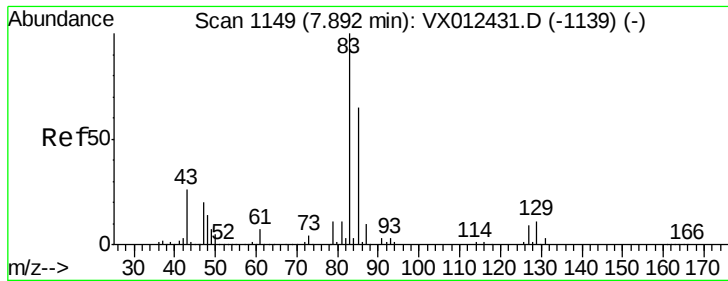
MMDadoda
 9/23/2019 11:29:40 AM



#46
 Dibromomethane
 Concen: 19.246 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion: 93 Resp: 22750
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.6 100.0
 174 97.8 77.4 116.0





#47

Bromodichloromethane

Concen: 18.925 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

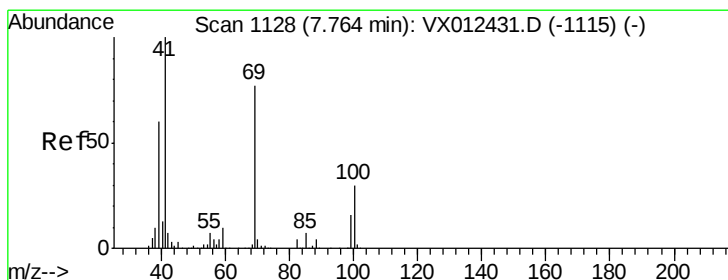
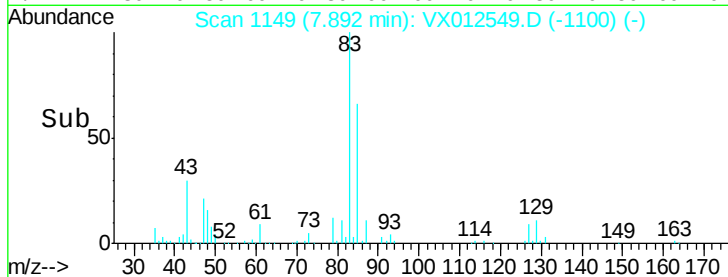
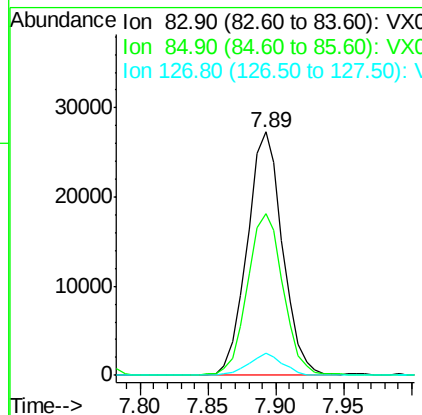
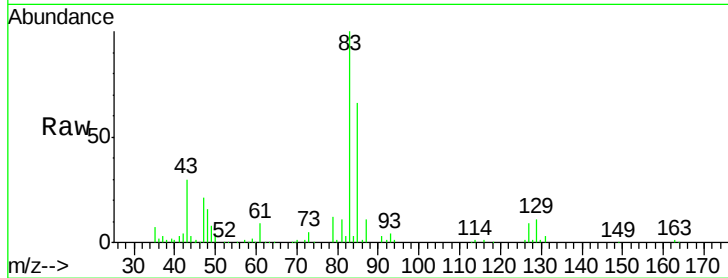
ClientSampleId :

VX0920MBS01

Tot Ion:	83	Resp:	49809
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.6
127	9.1	7.3	10.9

Manual Integrations
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MMDadoda
9/23/2019 11:29:40 AM



#48

Methyl methacrylate

Concen: 18.704 ug/l

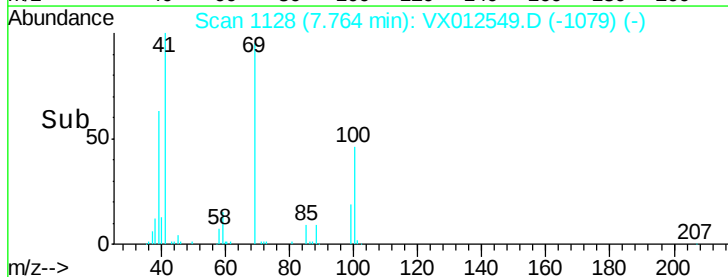
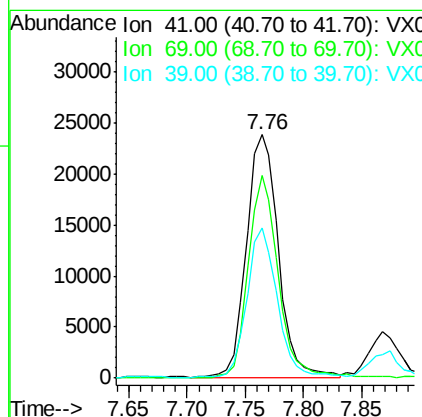
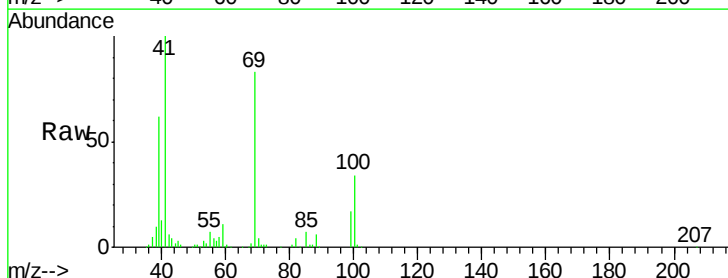
RT: 7.76 min Scan# 1128

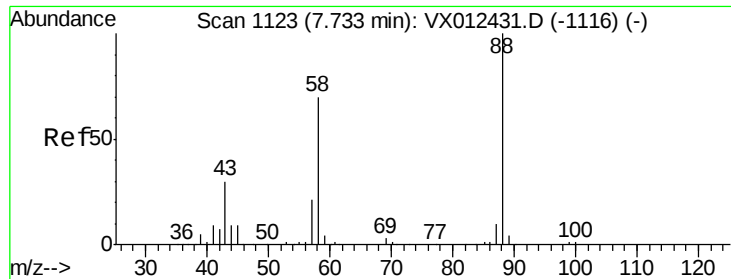
Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion:	41	Resp:	45415
Ion	Ratio	Lower	Upper
41	100		
69	79.2	59.9	89.9
39	60.3	47.8	71.6





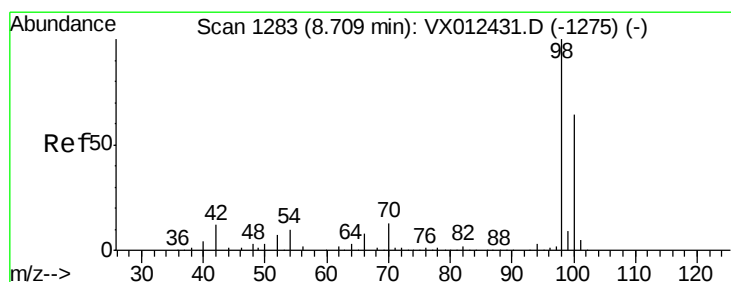
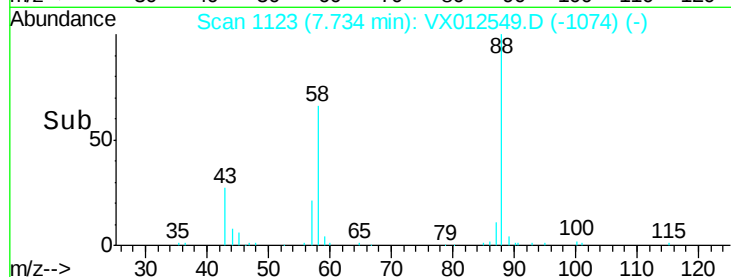
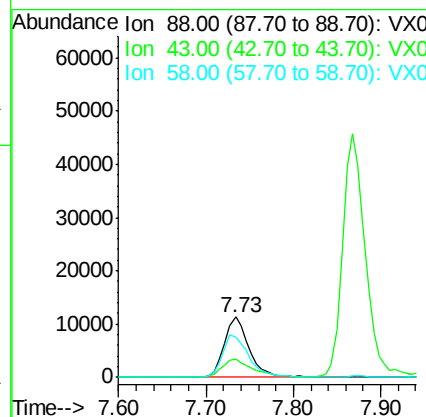
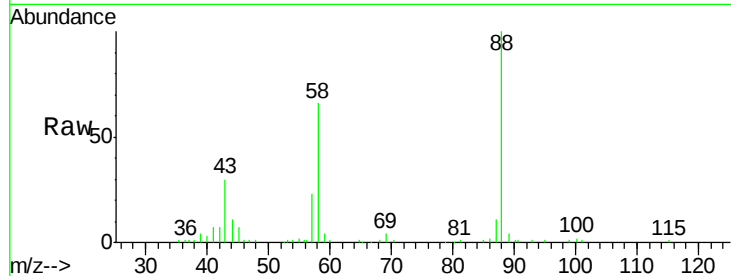
#49
 1,4-Dioxane
 Concen: 377.414 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	29.4	44.0
58	75.0	57.5	86.3

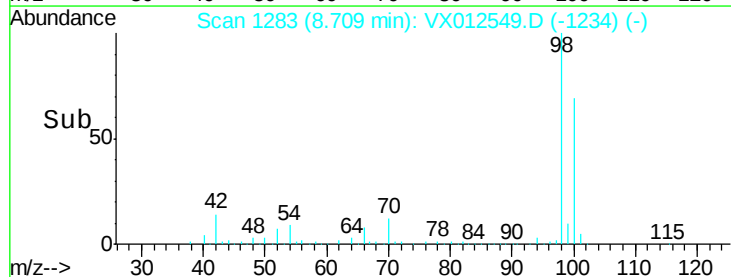
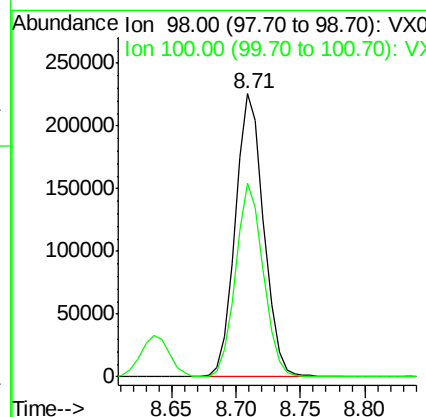
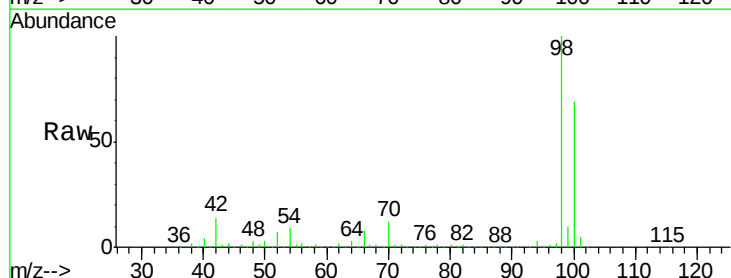
Manual Integrations
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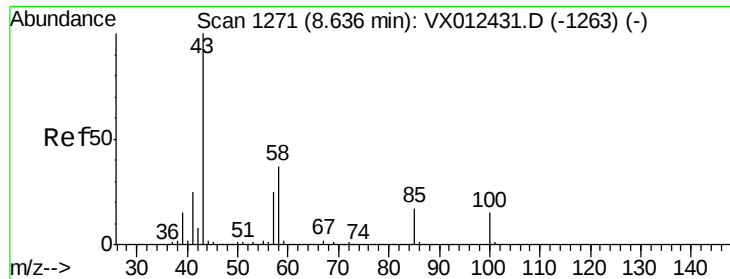
MMDadoda
 9/23/2019 11:29:40 AM



#50
 Toluene-d8
 Concen: 50.464 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 97.358 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 43 Resp: 328875

Ion Ratio Lower Upper

43 100

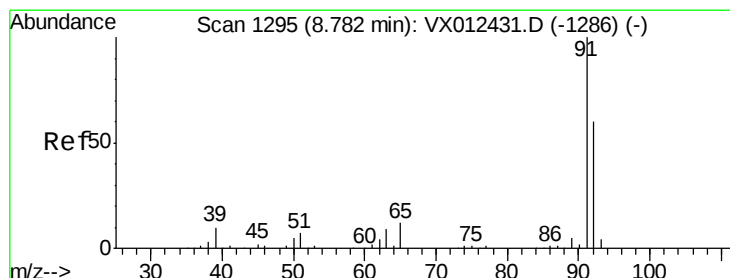
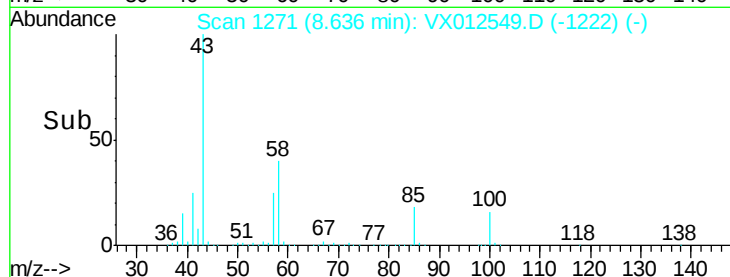
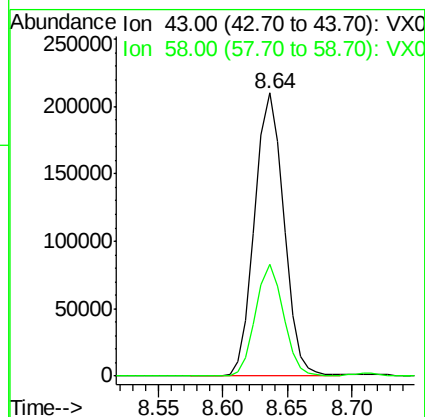
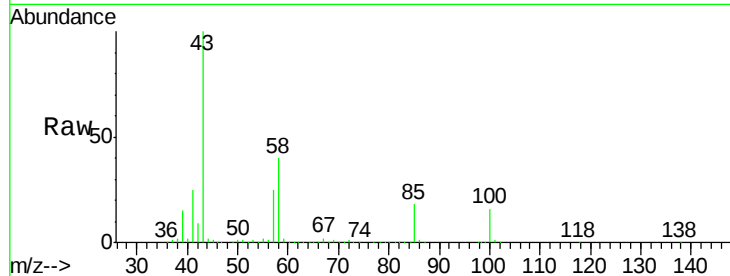
58 38.2 29.8 44.6

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MMDadoda

9/23/2019 11:29:40 AM



#52

Toluene

Concen: 20.179 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012549.D

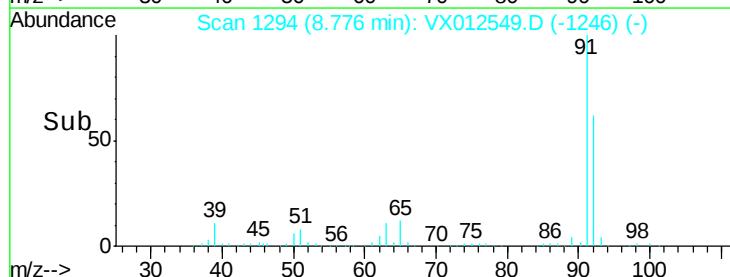
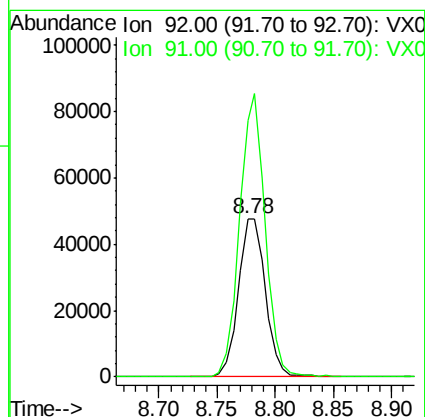
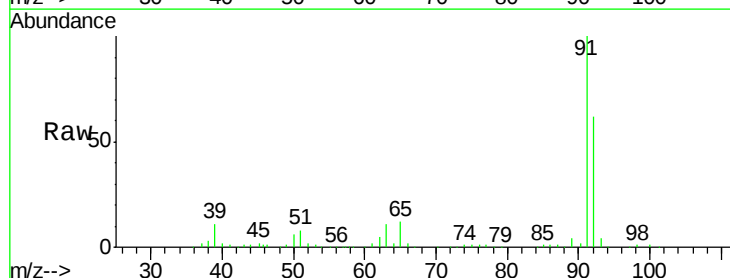
Acq: 20 Sep 2019 12:05

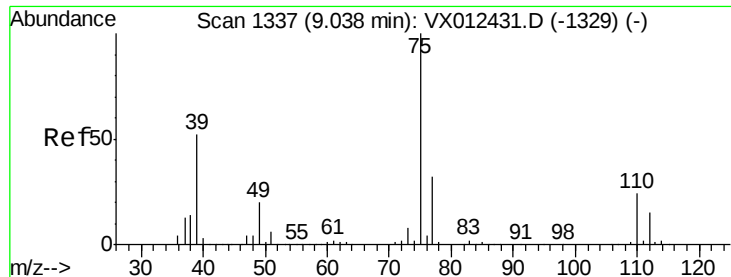
Tgt Ion: 92 Resp: 77307

Ion Ratio Lower Upper

92 100

91 169.1 135.4 203.0





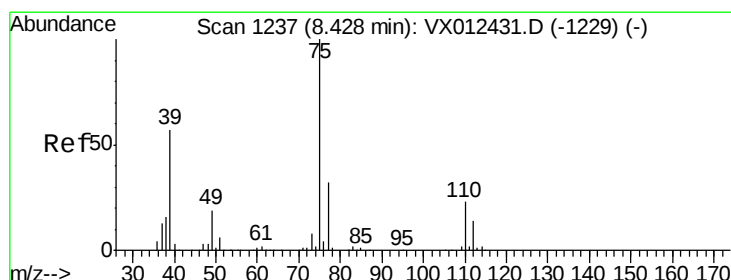
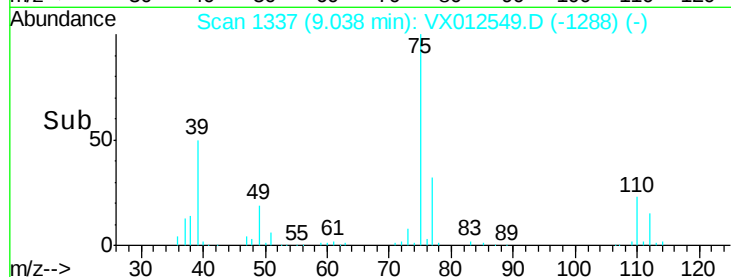
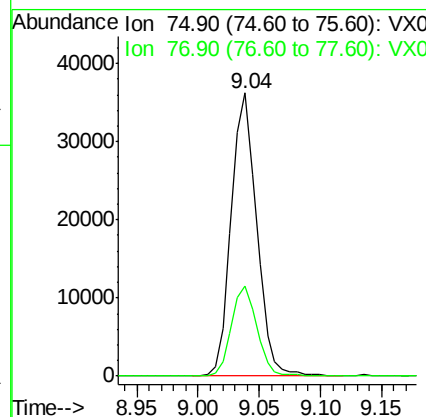
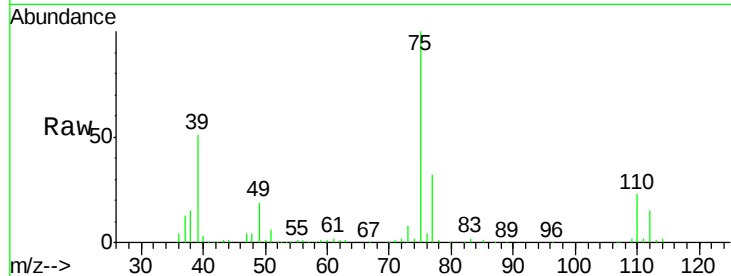
#53
t-1,3-Dichloropropene
Concen: 19.157 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion: 75 Resp: 52412
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8

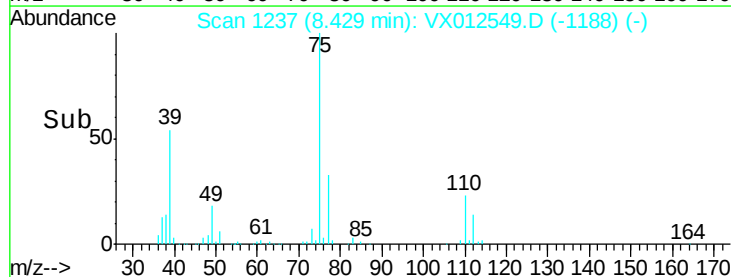
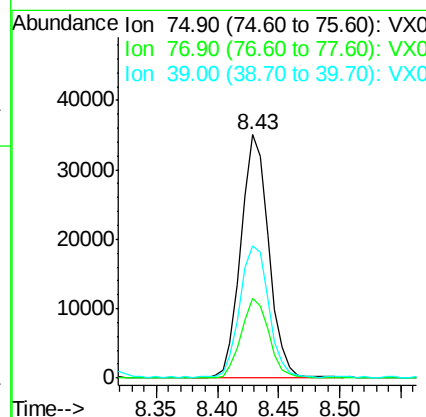
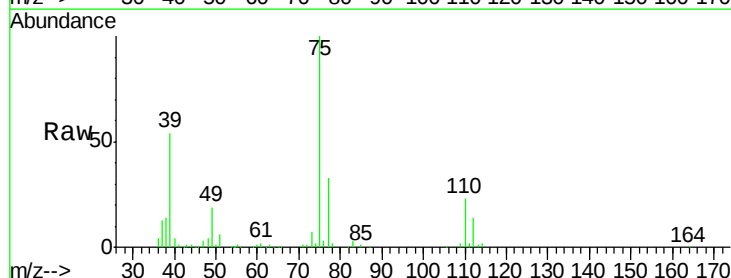
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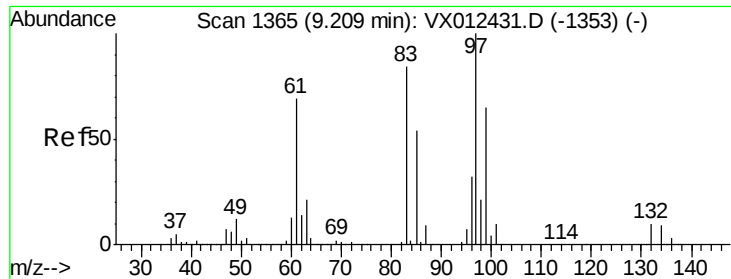
MMDadoda
9/23/2019 11:29:40 AM



#54
cis-1,3-Dichloropropene
Concen: 19.610 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 75 Resp: 55544
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.8
39 54.1 45.5 68.3





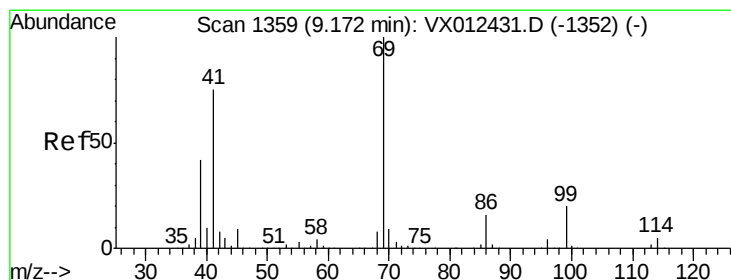
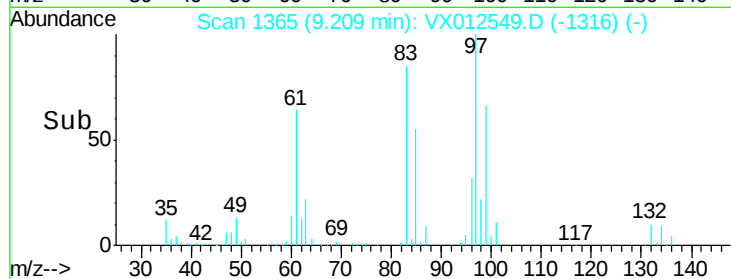
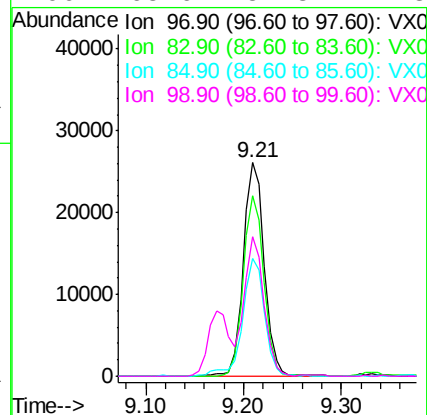
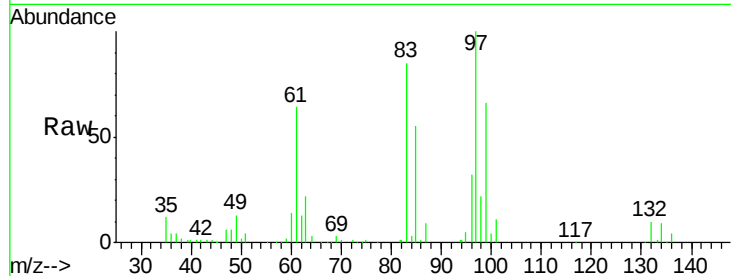
#55
 1,1,2-Trichloroethane
 Concen: 19.610 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion:	97	Resp:	38705
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.2
85	55.1	43.5	65.3
99	65.6	51.8	77.8

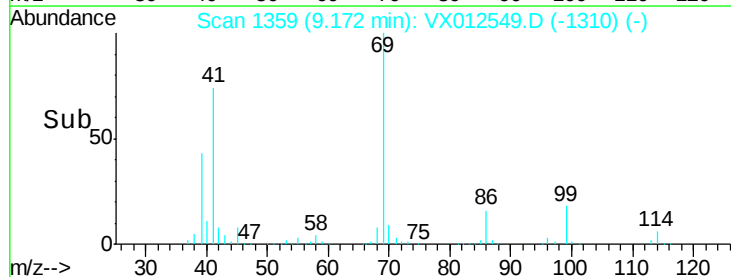
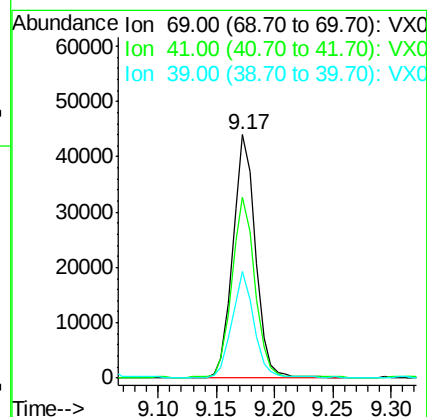
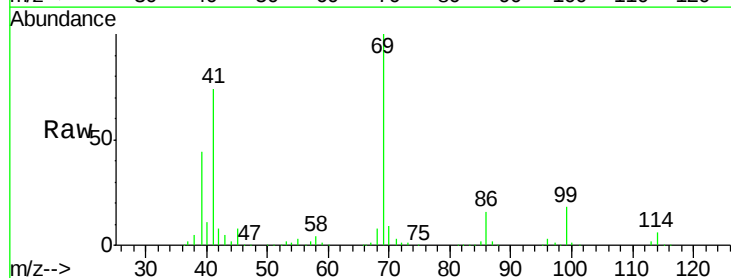
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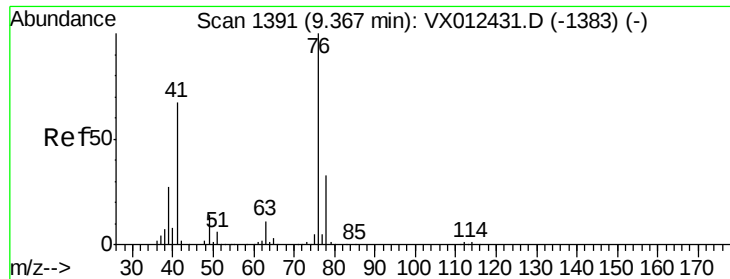
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 9/23/2019 11:29:40 AM



#56
 Ethyl methacrylate
 Concen: 19.449 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion:	69	Resp:	60018
Ion	Ratio	Lower	Upper
69	100		
41	75.4	58.4	87.6
39	42.4	33.4	50.0





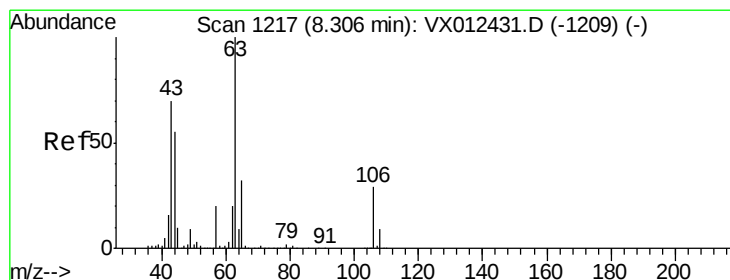
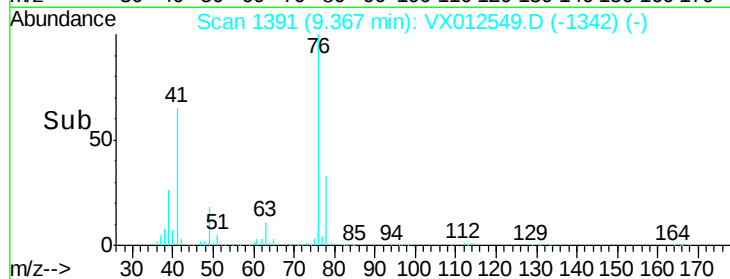
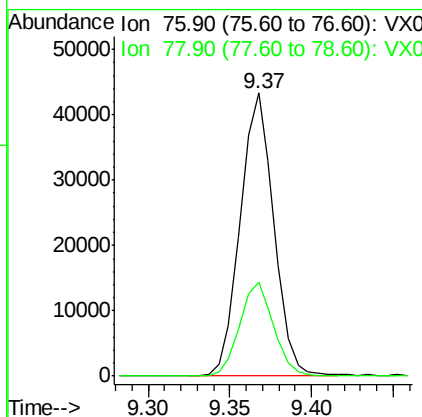
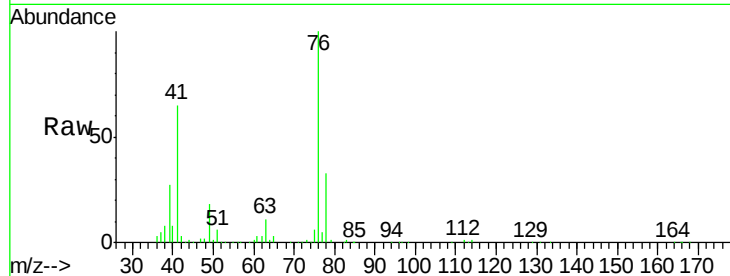
#57
 1,3-Dichloropropane
 Concen: 19.768 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion: 76 Resp: 62253
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.2 39.2

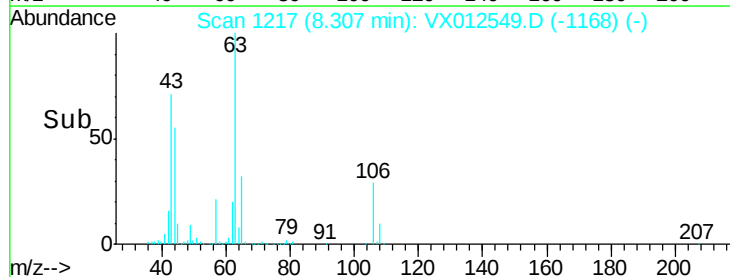
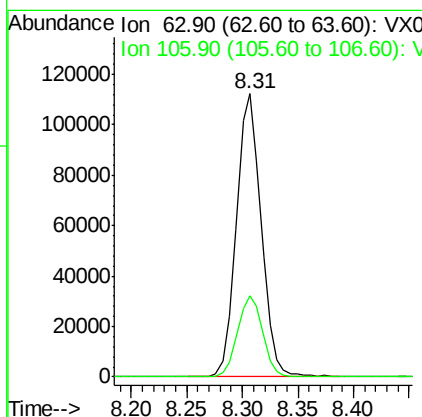
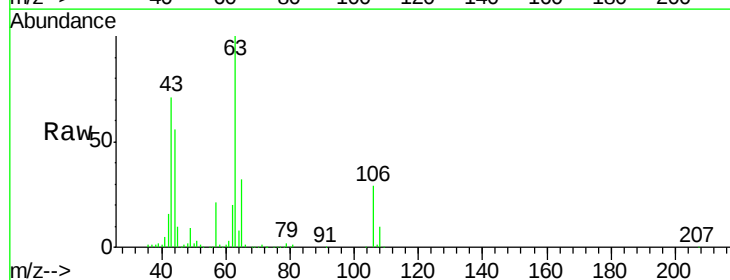
Manual Integrations
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MMDadoda
 9/23/2019 11:29:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.138 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion: 63 Resp: 172742
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.6





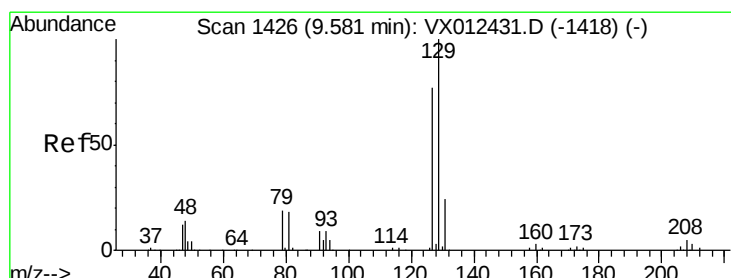
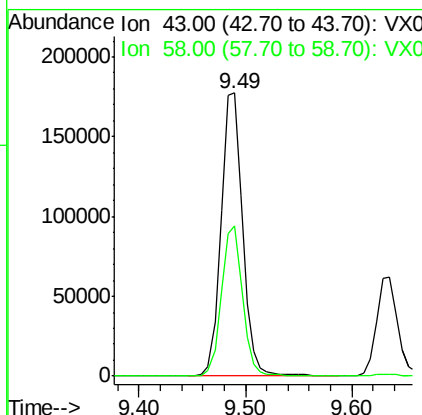
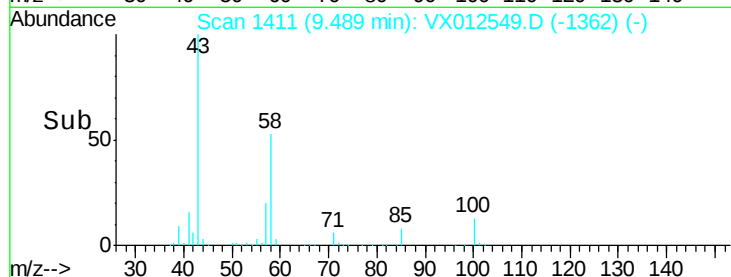
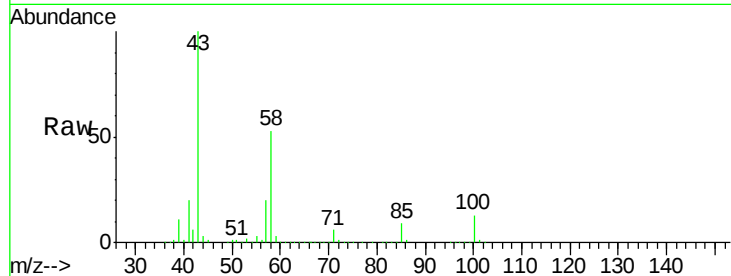
#59
2-Hexanone
Concen: 95.531 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion: 43 Resp: 251762
Ion Ratio Lower Upper
43 100
58 52.0 25.7 77.1

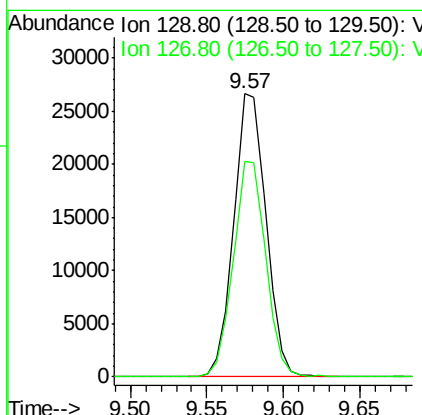
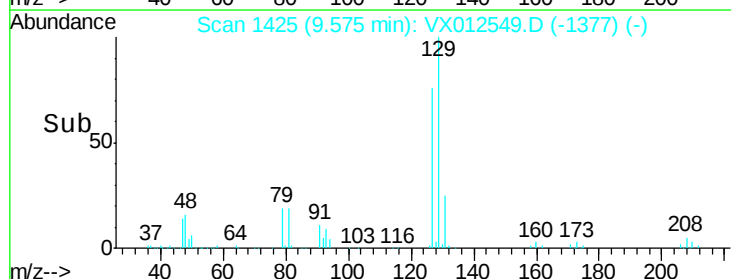
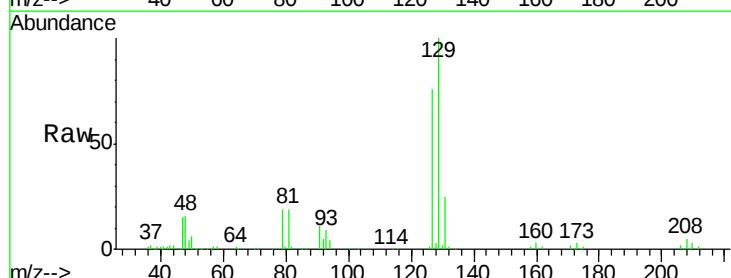
Manual Integrations
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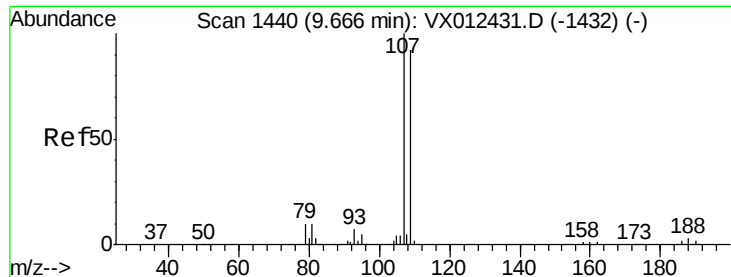
MMDadoda
9/23/2019 11:29:40 AM



#60
Dibromochloromethane
Concen: 19.418 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 129 Resp: 39040
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.563 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion:107 Resp: 37068

Ion Ratio Lower Upper

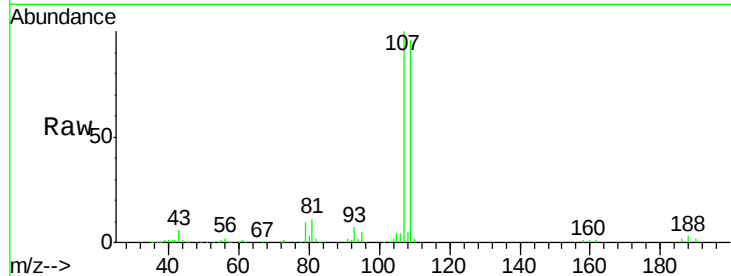
107 100

109 94.0 74.7 112.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

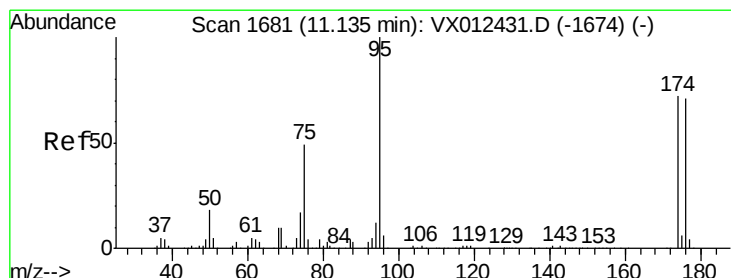
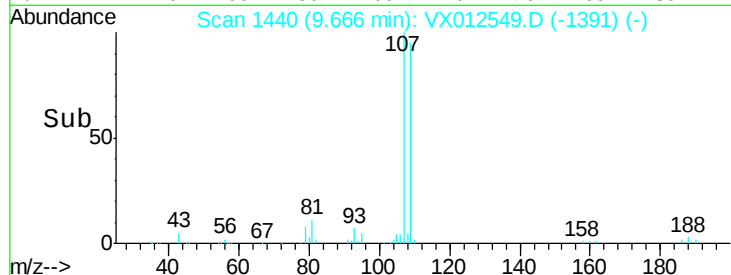
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.635 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

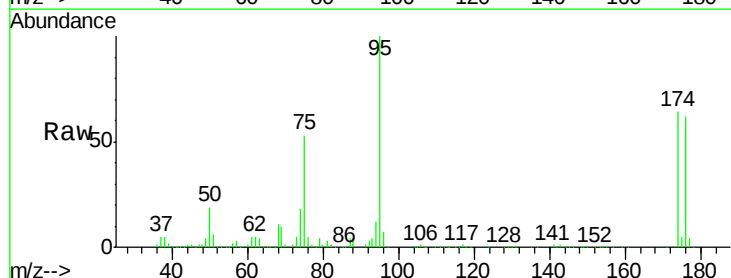
Tgt Ion: 95 Resp: 139177

Ion Ratio Lower Upper

95 100

174 71.5 0.0 140.0

176 69.3 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

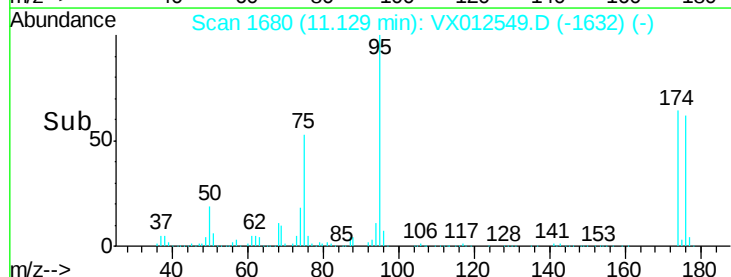
11.13

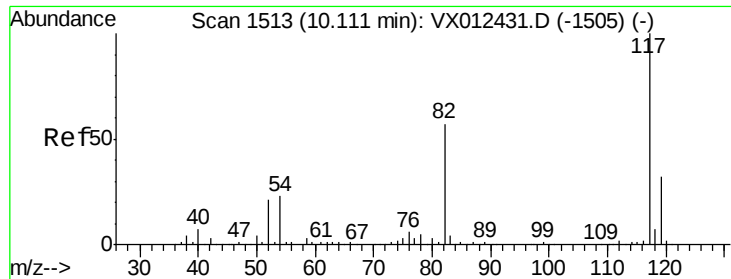
100000

50000

0

Time-->





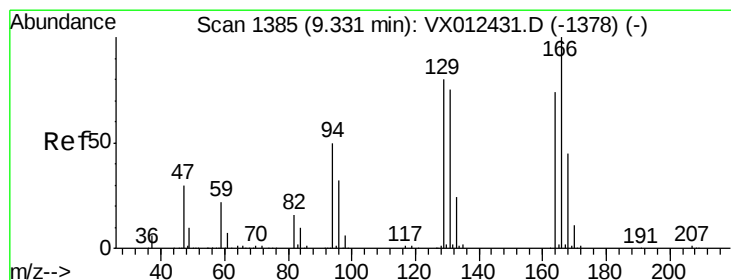
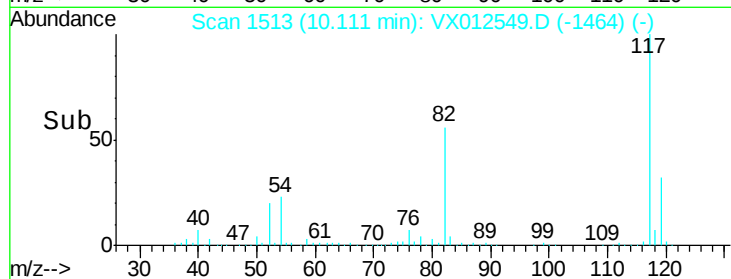
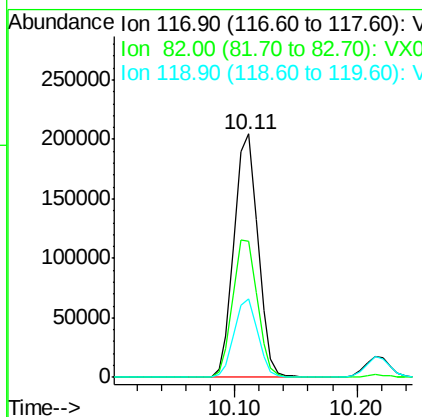
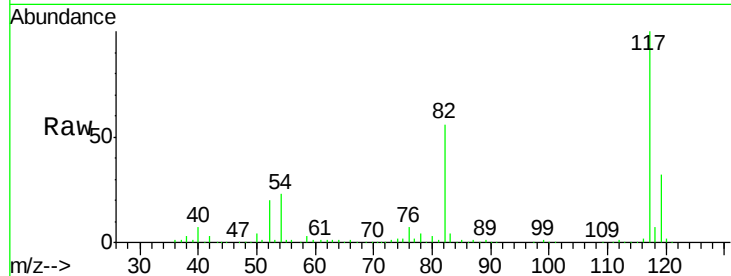
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.9	68.9
119	32.5	25.3	37.9

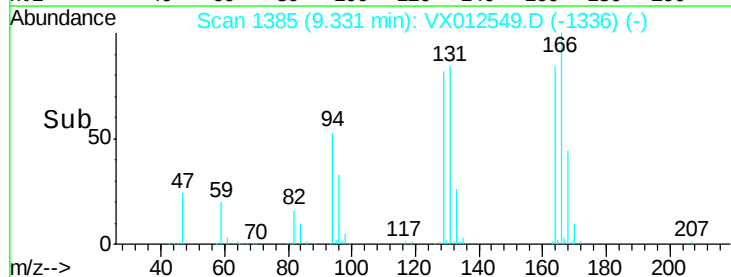
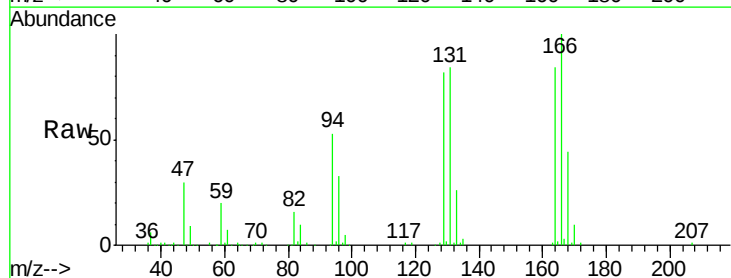
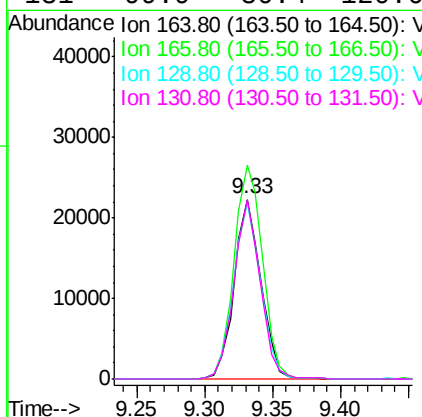
Manual Integrations
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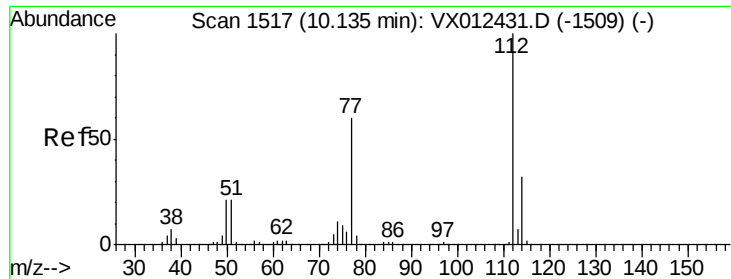
MMDadoda
9/23/2019 11:29:40 AM



#64
Tetrachloroethene
Concen: 24.046 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.1	107.8	161.6
129	97.9	86.2	129.2
131	99.9	80.4	120.6





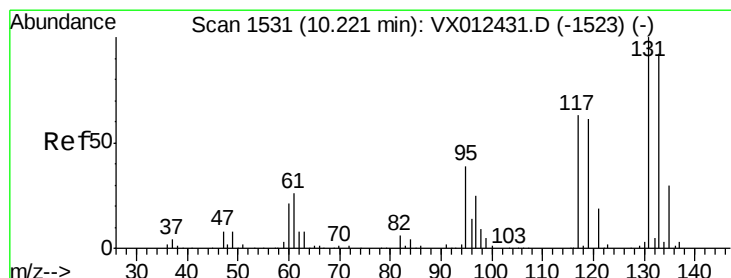
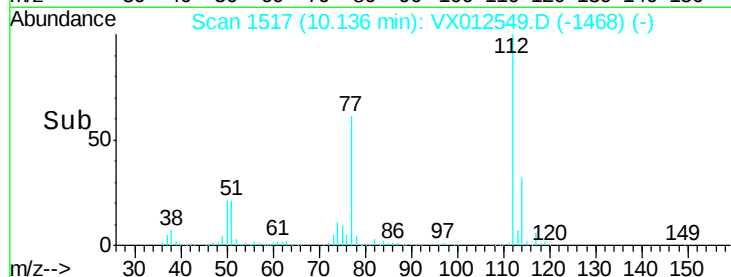
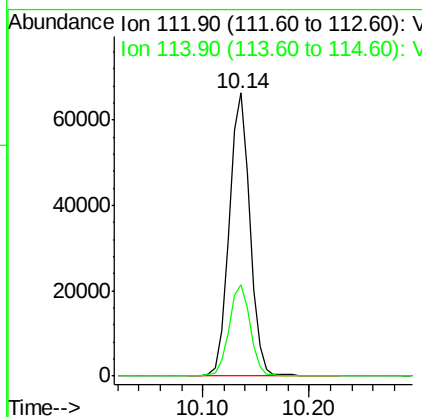
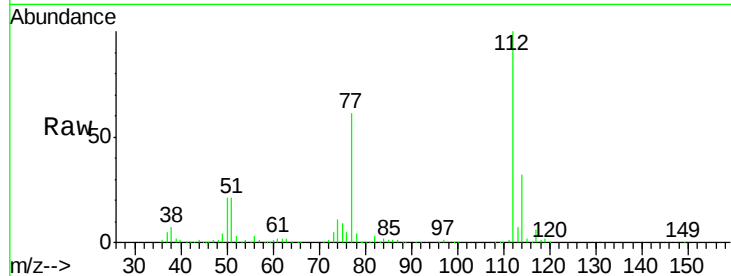
#65
Chlorobenzene
Concen: 19.772 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion:112 Resp: 90661
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

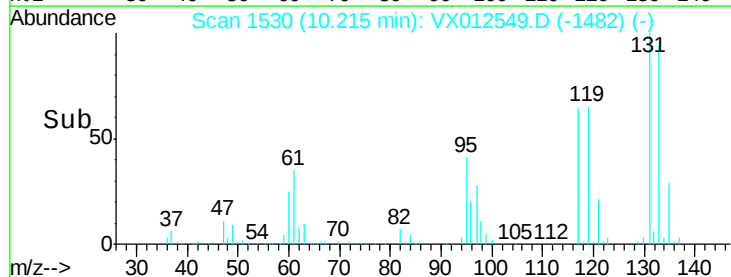
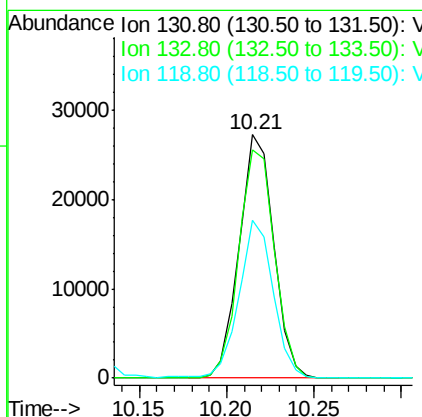
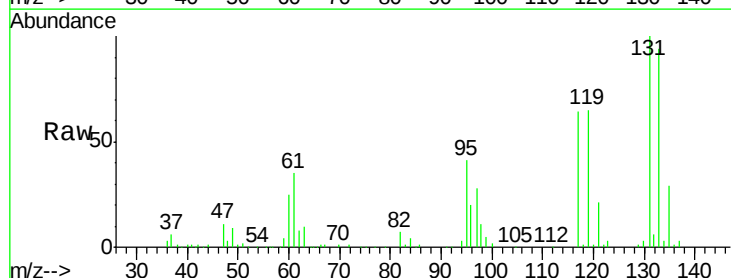
Manual Integrations
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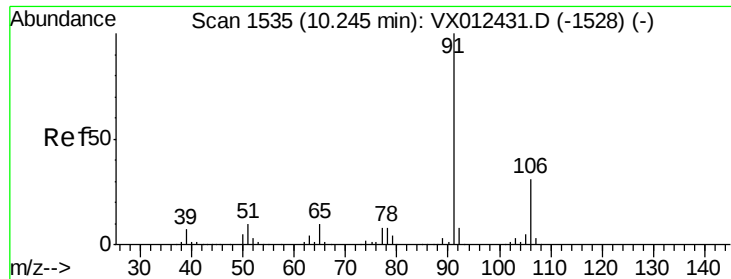
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.649 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion:131 Resp: 37393
Ion Ratio Lower Upper
131 100
133 97.4 47.6 142.9
119 64.2 31.3 93.8





#67

Ethyl Benzene

Concen: 19.757 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 91 Resp: 155650

Ion Ratio Lower Upper

91 100

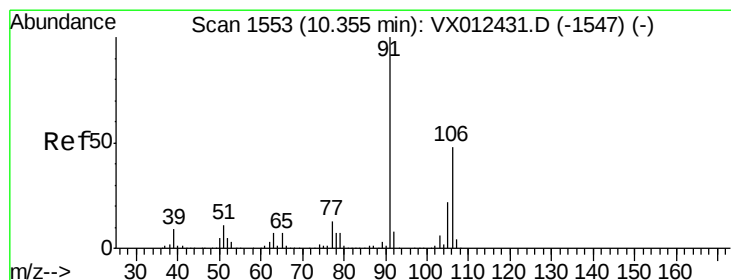
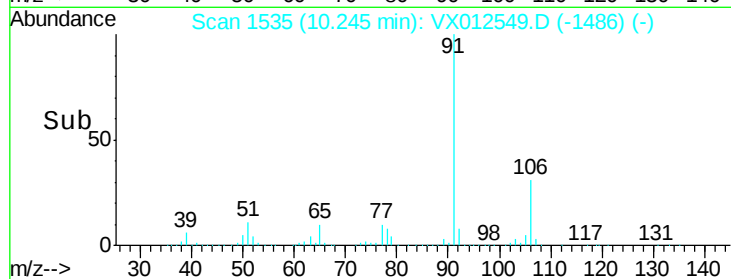
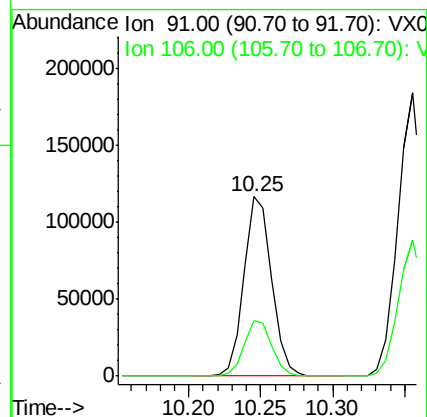
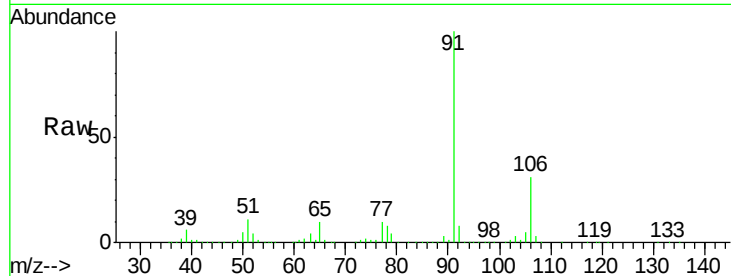
106 31.3 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.422 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012549.D

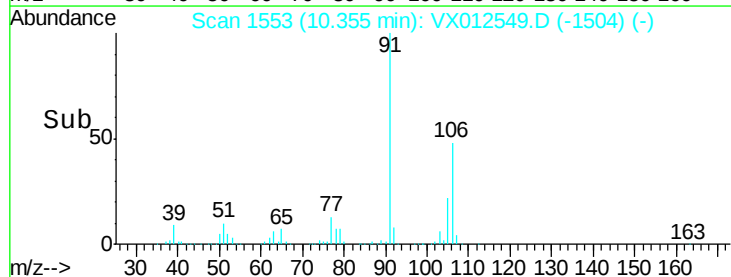
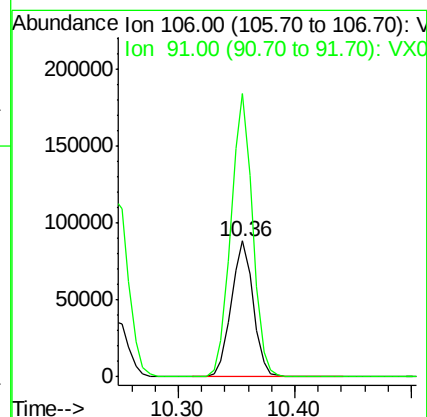
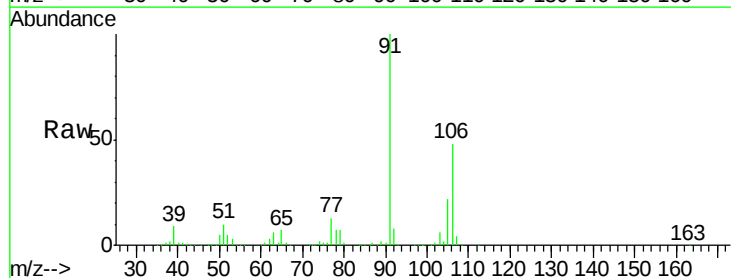
Acq: 20 Sep 2019 12:05

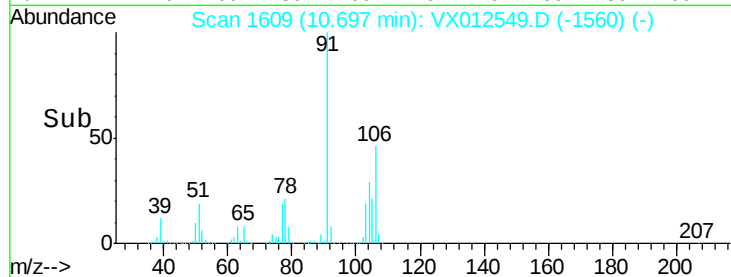
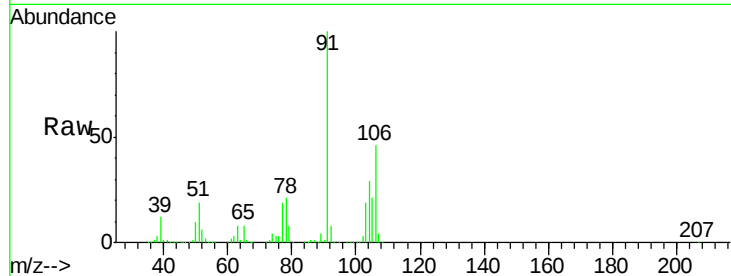
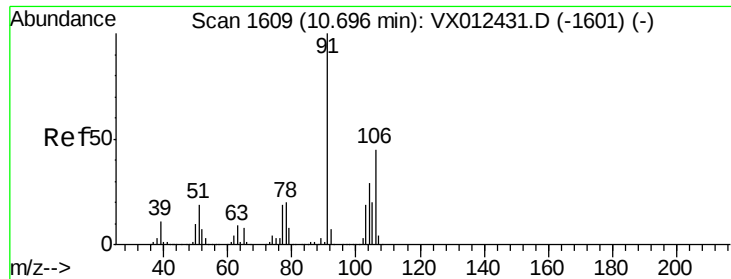
Tgt Ion: 106 Resp: 115866

Ion Ratio Lower Upper

106 100

91 205.5 166.6 250.0





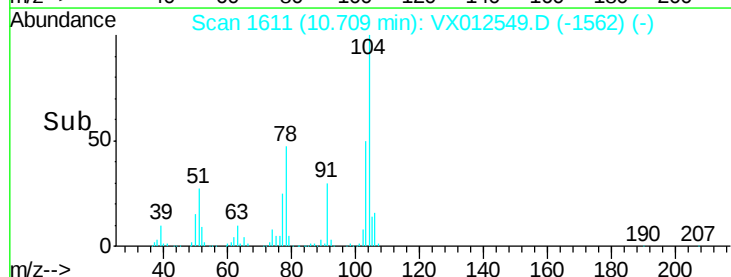
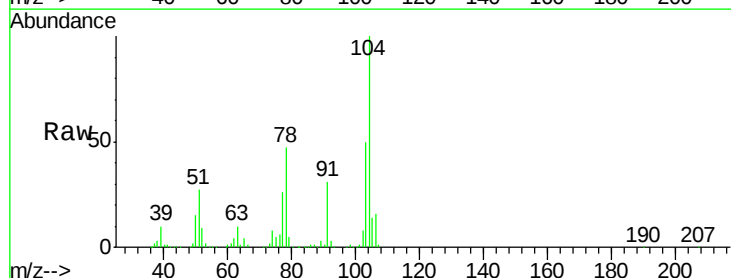
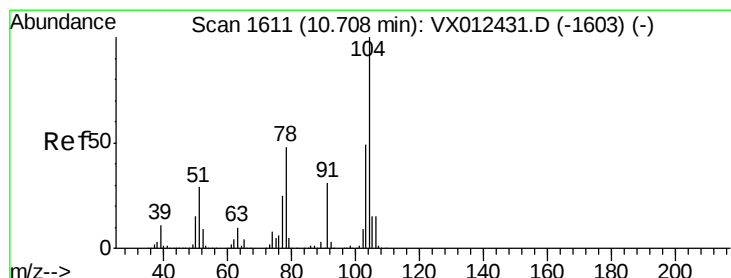
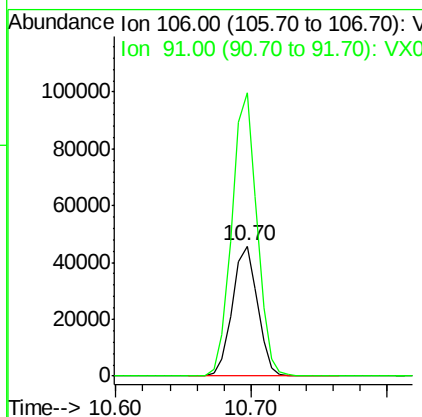
#69
o-Xylene
Concen: 20.106 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tot Ion:106 Resp: 59269
Ion Ratio Lower Upper
106 100
91 215.7 109.4 328.2

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

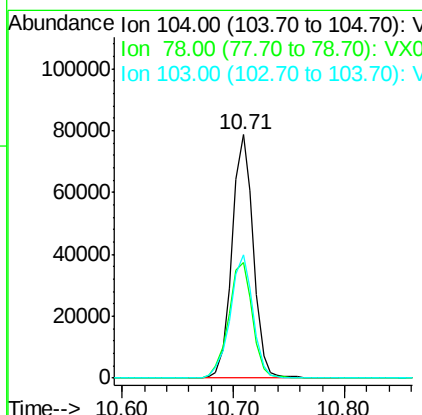
Manual Integrations
APPROVED

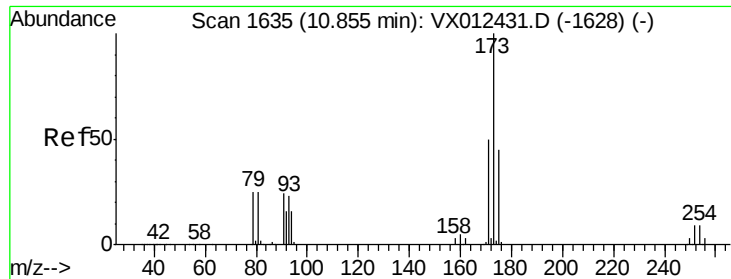
MMDadoda
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#70
Styrene
Concen: 19.836 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion:104 Resp: 103460
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.2
103 54.3 43.3 64.9





#71

Bromoform

Concen: 18.266 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion:173 Resp: 26763

Ion Ratio Lower Upper

173 100

175 47.5 23.7 71.1

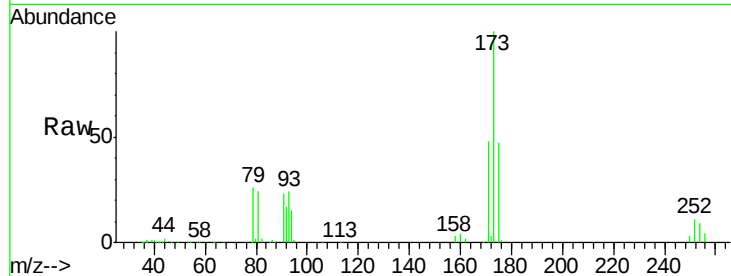
254 0.0 0.1 0.1#

Manual Integrations

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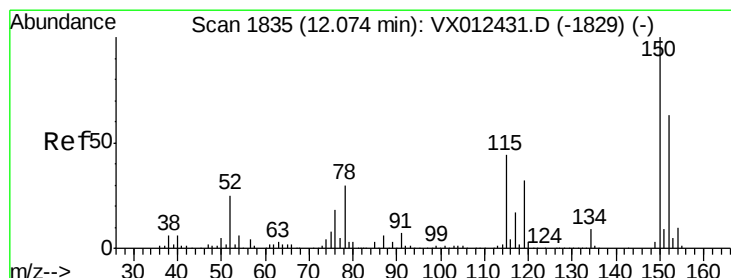
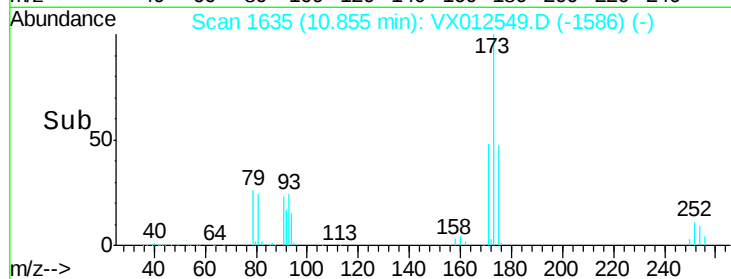
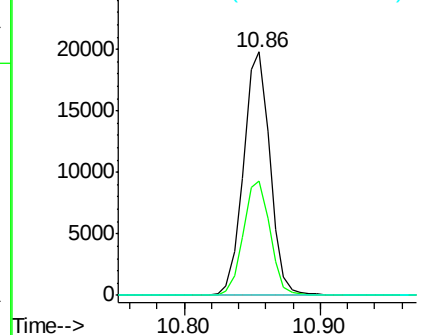
9/23/2019 11:29:40 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

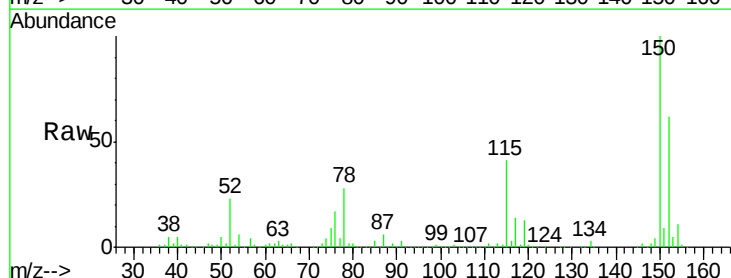
Tgt Ion:152 Resp: 129054

Ion Ratio Lower Upper

152 100

115 72.4 44.1 132.3

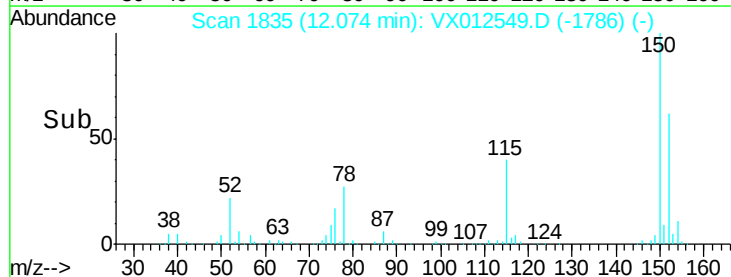
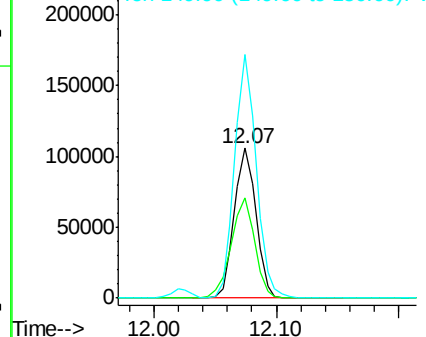
150 163.1 0.0 343.8

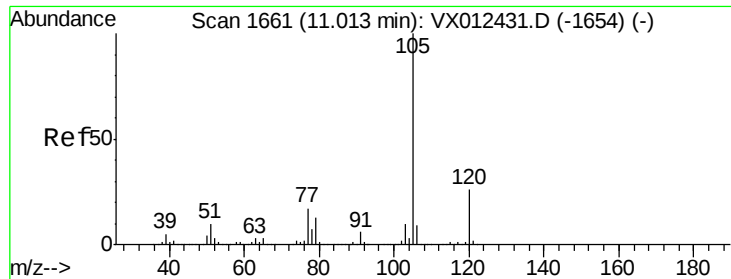


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.461 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion:105 Resp: 165681

Ion Ratio Lower Upper

105 100

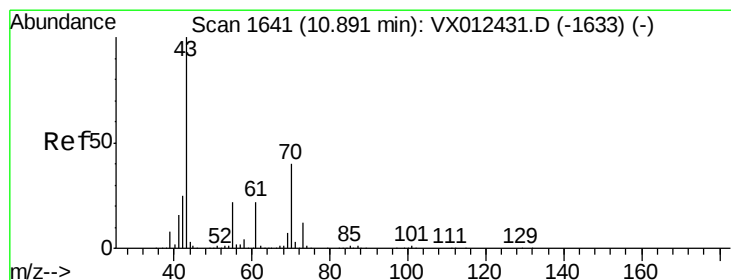
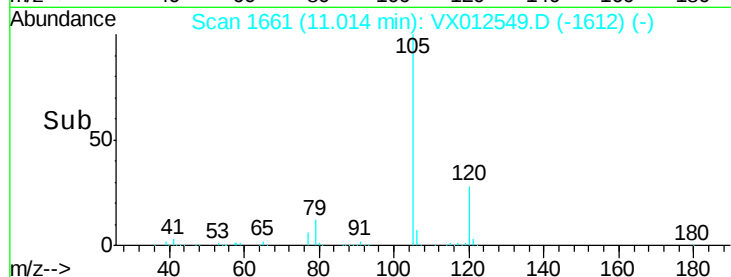
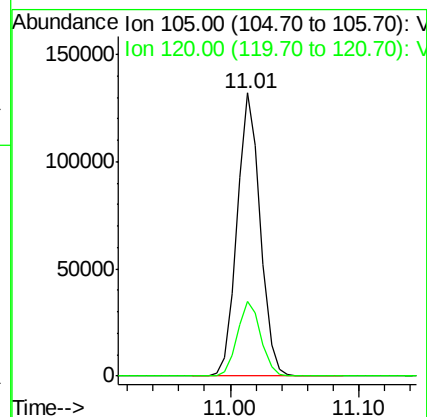
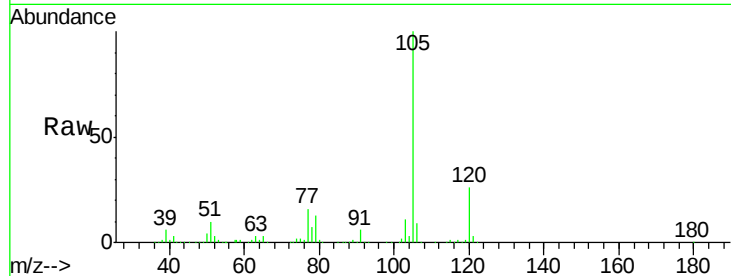
120 26.7 12.9 38.7

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#74

N-ethyl acetate

Concen: 19.761 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion: 43 Resp: 86147

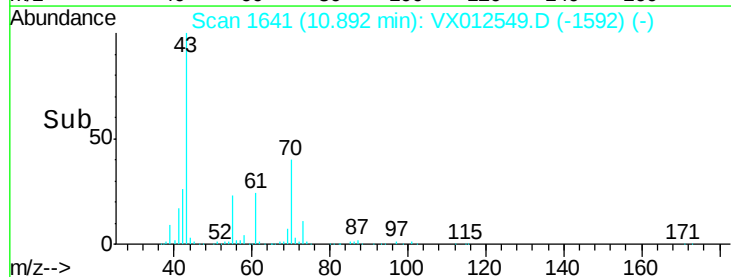
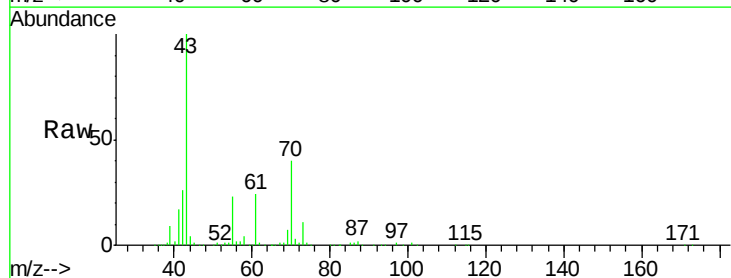
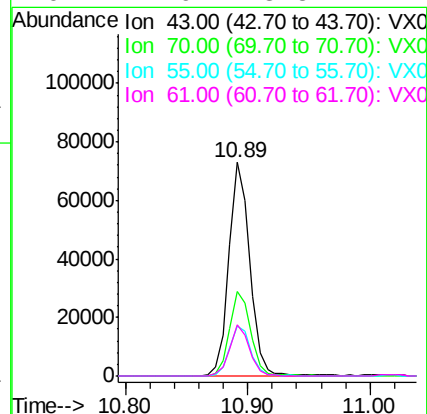
Ion Ratio Lower Upper

43 100

70 40.2 32.4 48.6

55 24.1 18.2 27.4

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.899 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

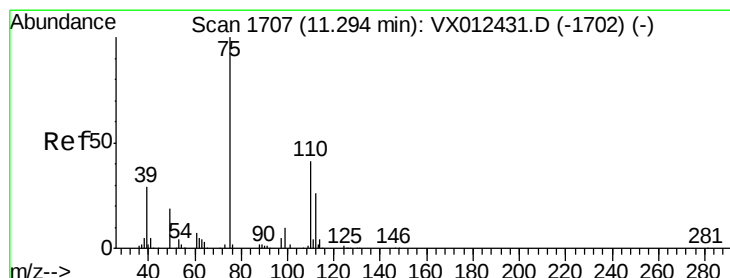
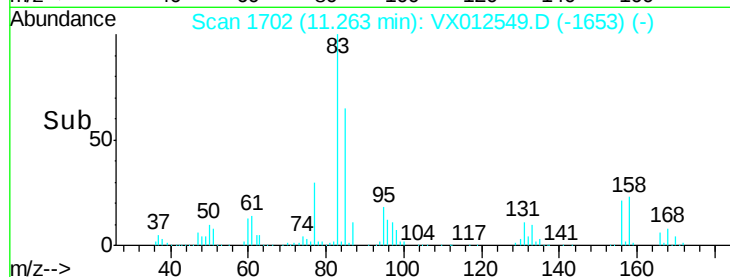
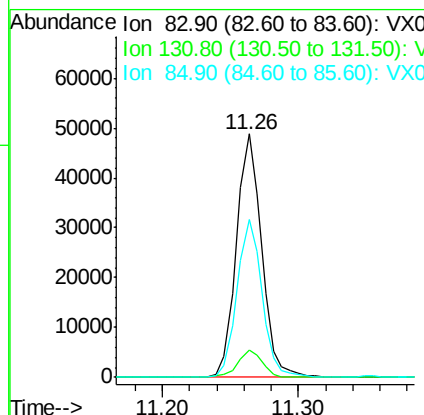
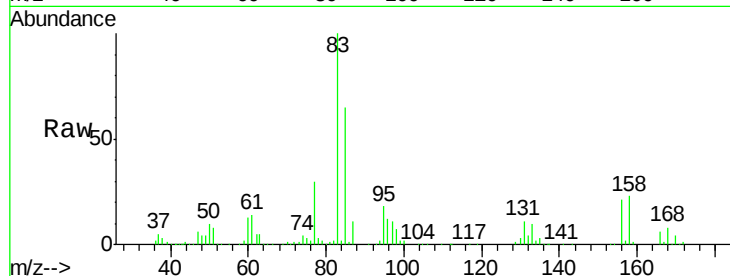
ClientSampleId :

VX0920MBS01

Tot Ion:	83	Resp:	63206
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.8	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.515 ug/l m

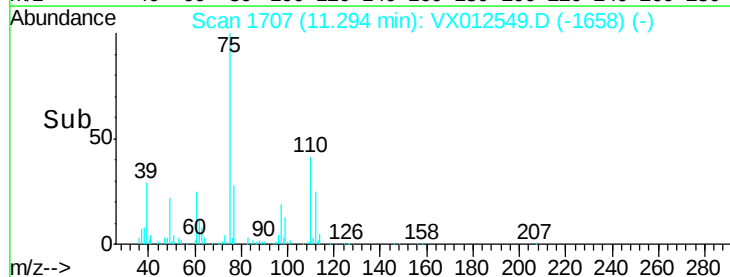
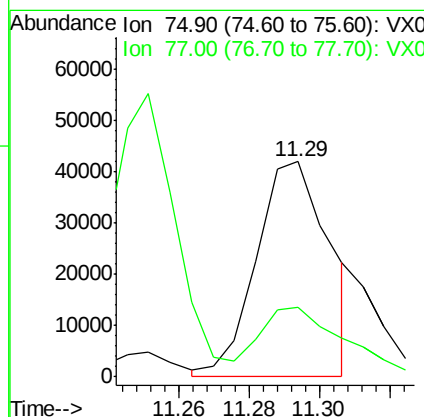
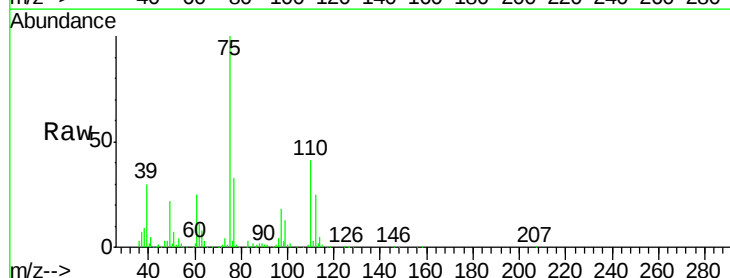
RT: 11.29 min Scan# 1707

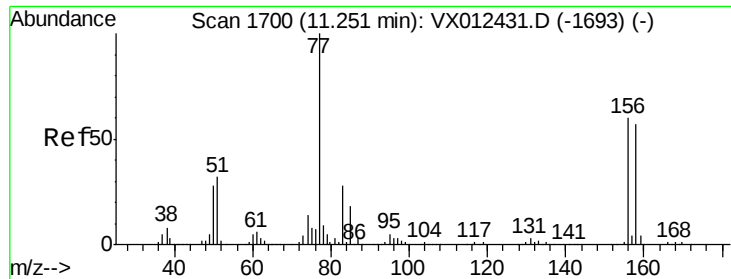
Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Tgt Ion:	75	Resp:	60815
Ion	Ratio	Lower	Upper
75	100		
77	37.5	19.7	59.0





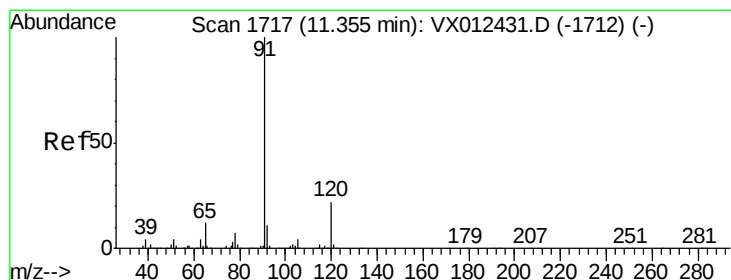
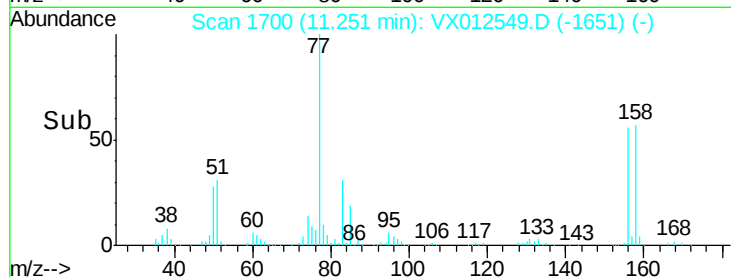
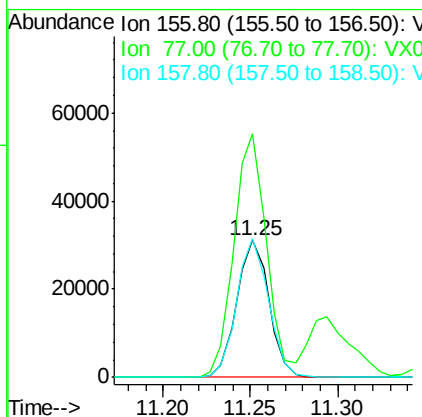
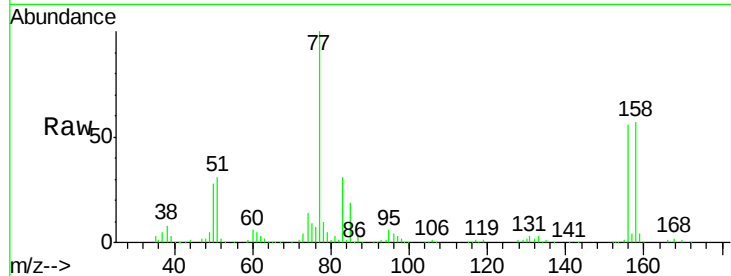
#77
Bromobenzene
Concen: 20.275 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.2	87.3	261.8
158	100.0	48.5	145.6

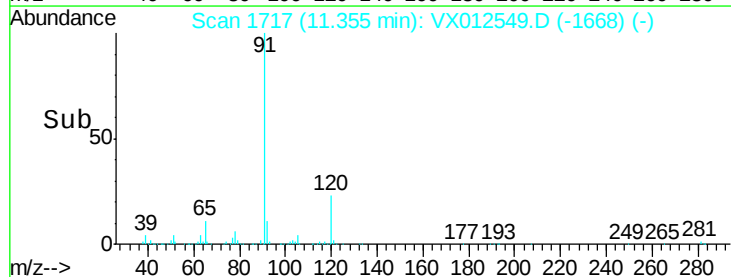
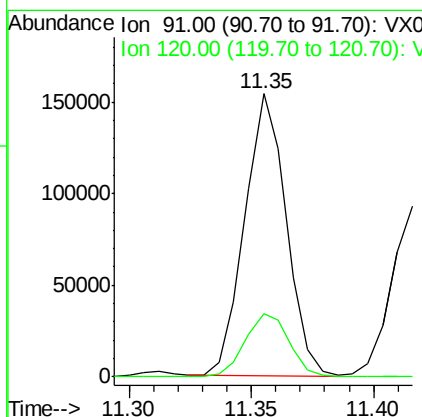
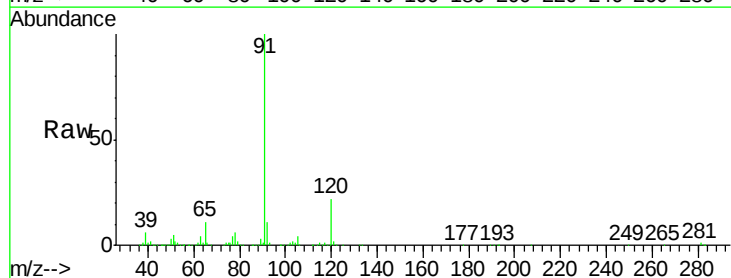
Manual Integrations
APPROVED

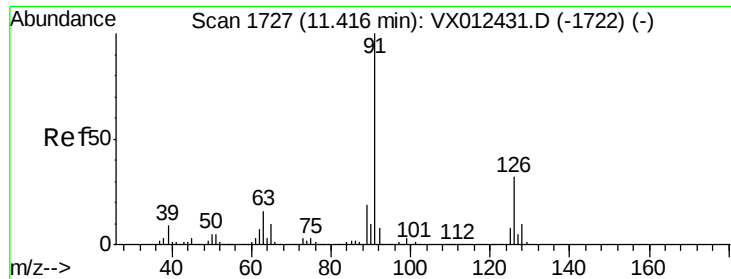
MMDadoda
9/23/2019 11:29:40 AM



#78
n-propylbenzene
Concen: 20.206 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.3	33.8





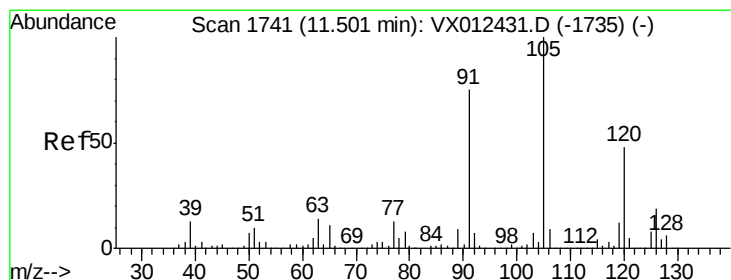
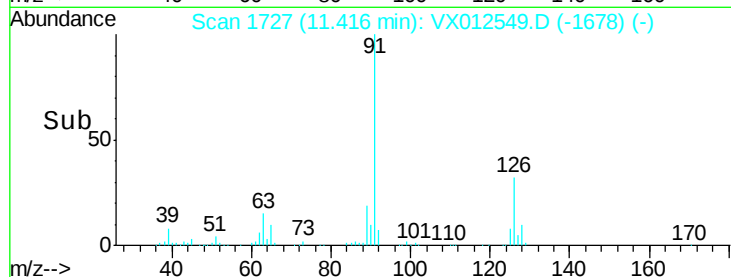
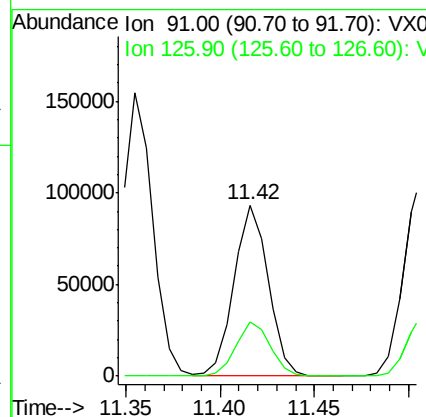
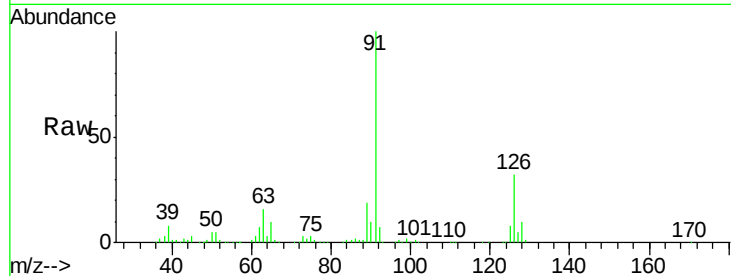
#79
2-Chlorotoluene
Concen: 19.938 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion: 91 Resp: 117062
Ion Ratio Lower Upper
91 100
126 32.0 16.4 49.4

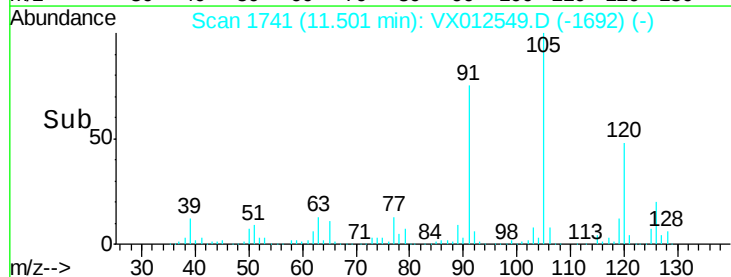
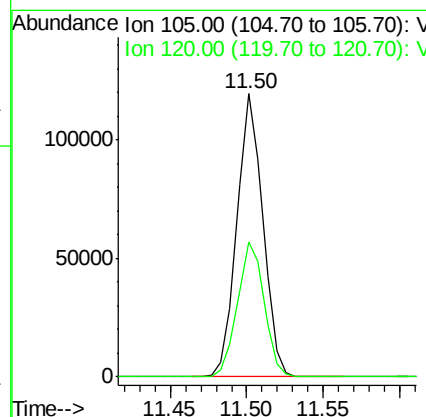
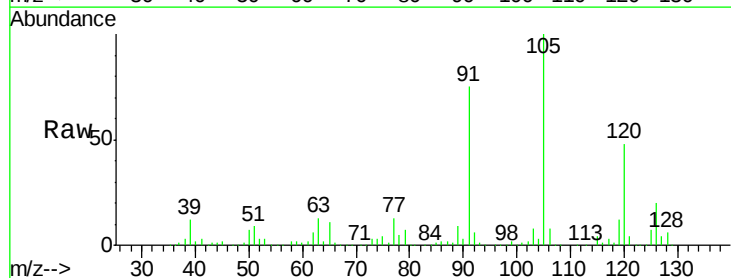
Manual Integrations
APPROVED

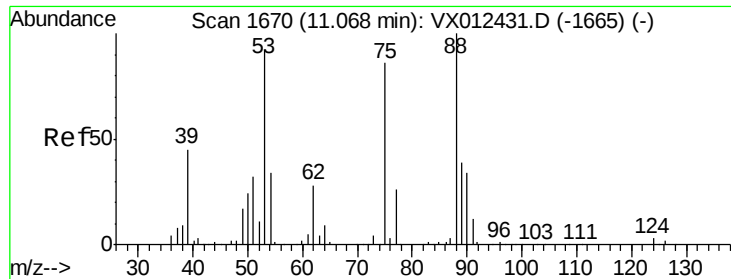
MMDadoda
9/23/2019 11:29:40 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.393 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion: 105 Resp: 140828
Ion Ratio Lower Upper
105 100
120 49.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.757 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion: 75 Resp: 18027
Ion Ratio Lower Upper

75 100

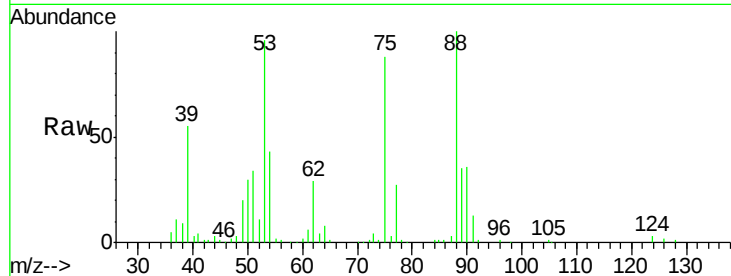
53 114.9 83.6 125.4

89 45.7 36.3 54.5

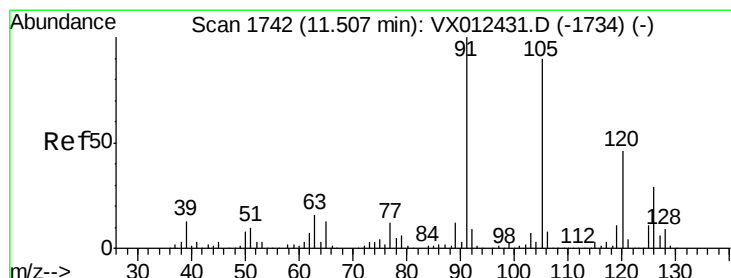
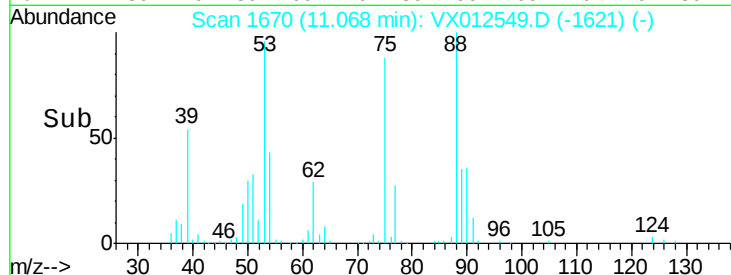
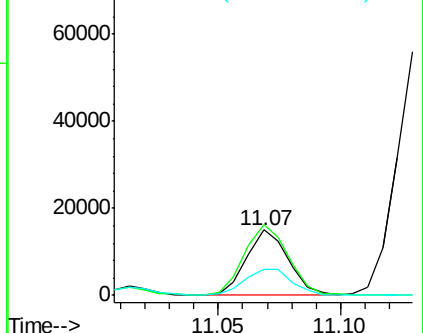
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.018 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012549.D

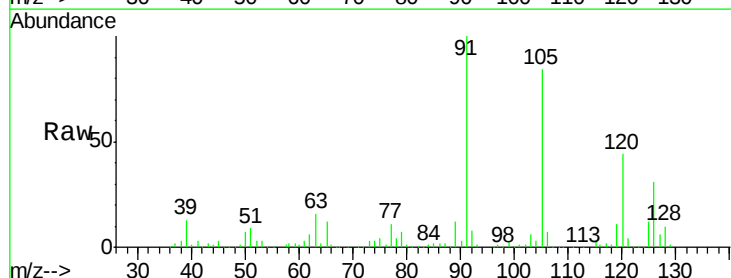
Acq: 20 Sep 2019 12:05

Tgt Ion: 91 Resp: 134886

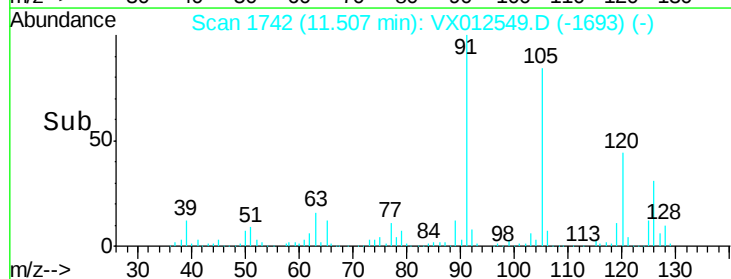
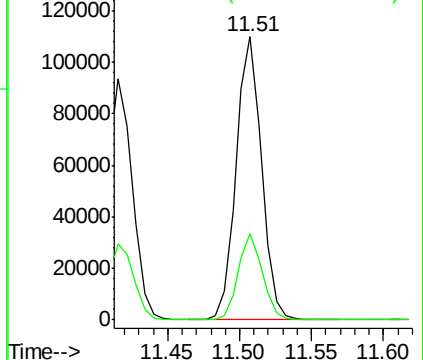
Ion Ratio Lower Upper

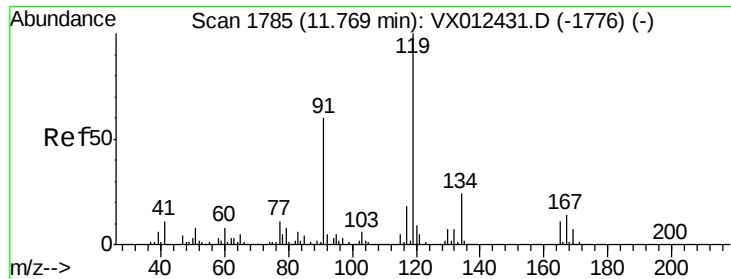
91 100

126 29.3 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





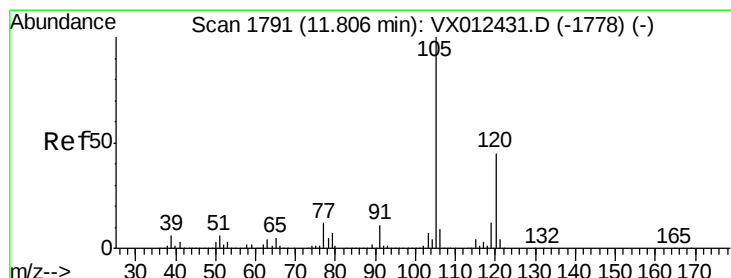
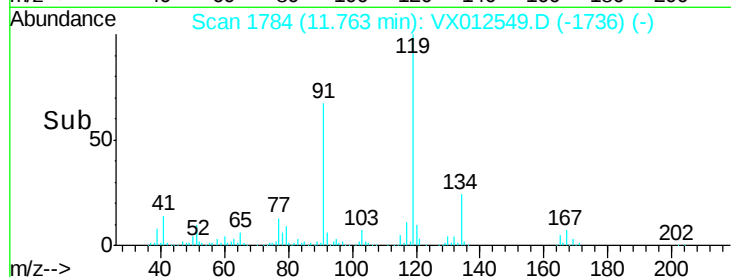
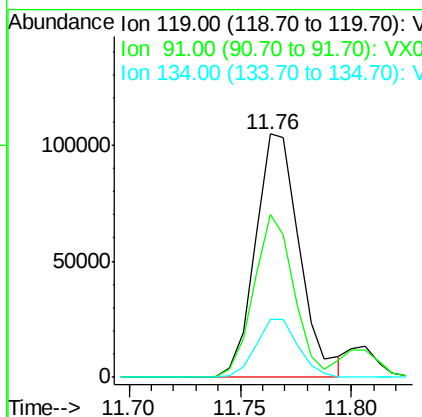
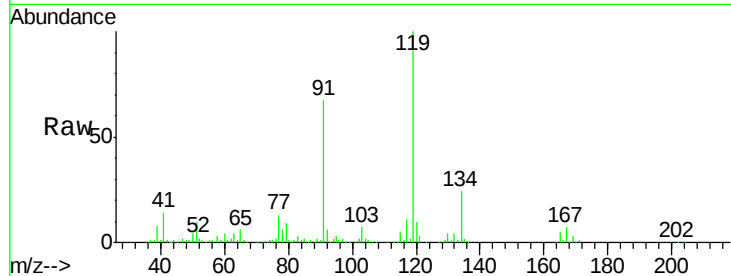
#83
 tert-Butylbenzene
 Concen: 19.548 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	144654		
91	60.6	30.0	90.0	
134	22.9	11.3	33.9	

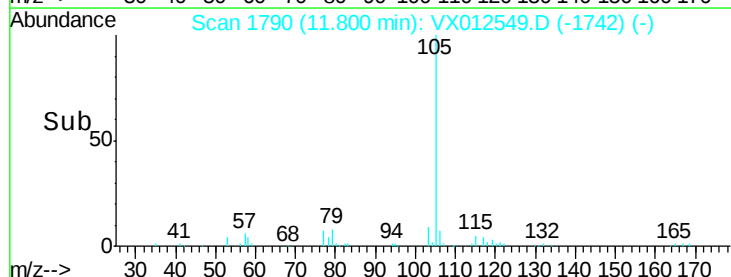
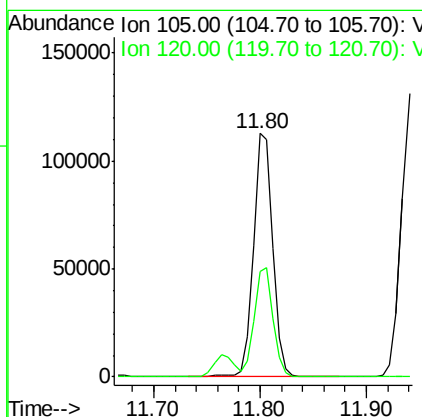
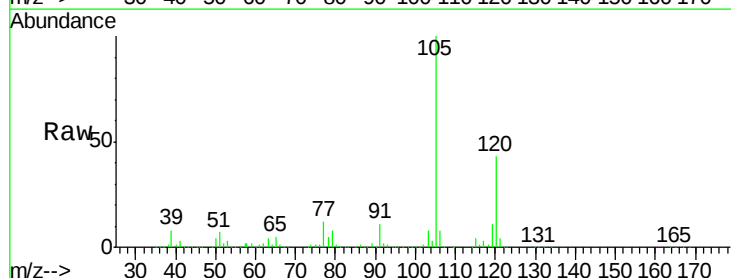
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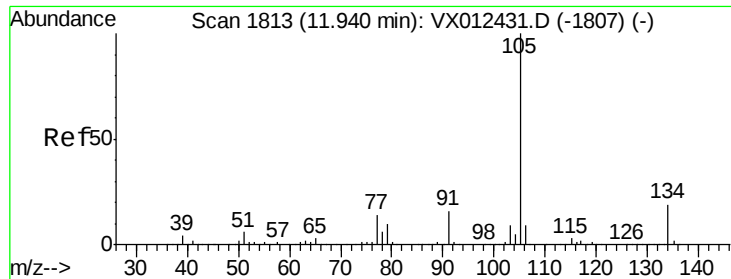
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 9/23/2019 11:29:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.205 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143263		
120	43.8	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.977 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBS01

Tot Ion:105 Resp: 162894

Ion Ratio Lower Upper

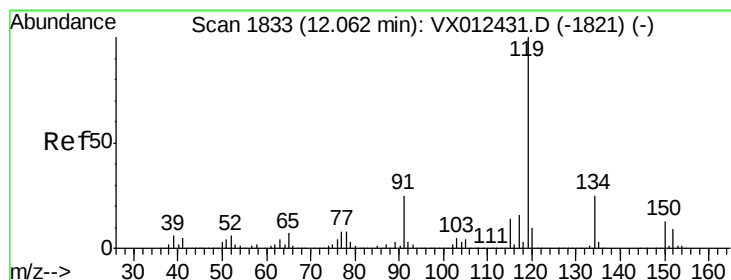
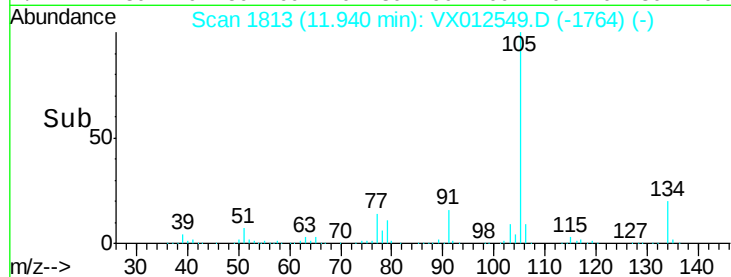
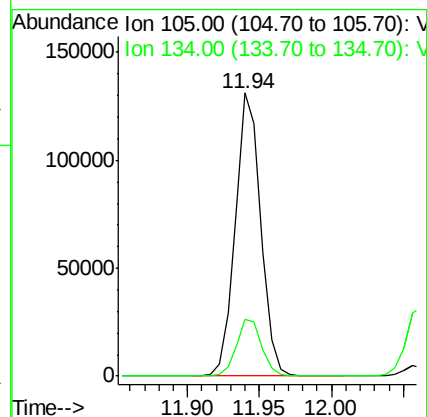
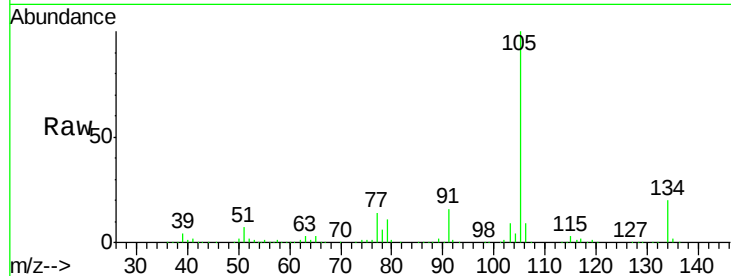
105 100

134 20.0 9.8 29.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.815 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012549.D

Acq: 20 Sep 2019 12:05

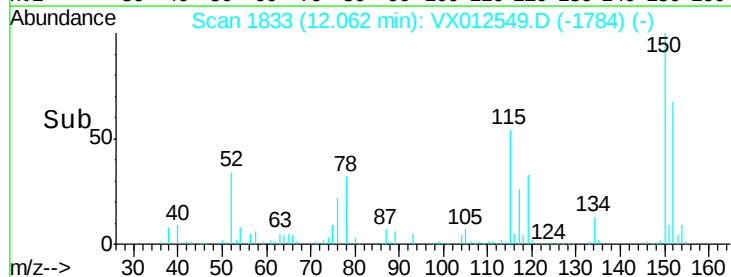
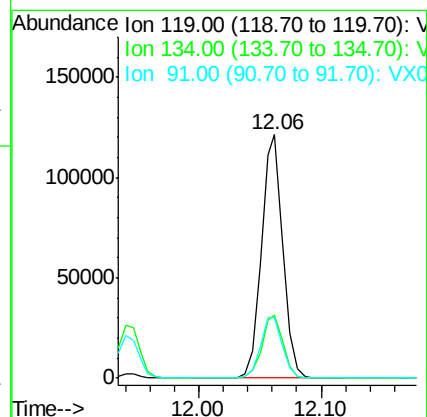
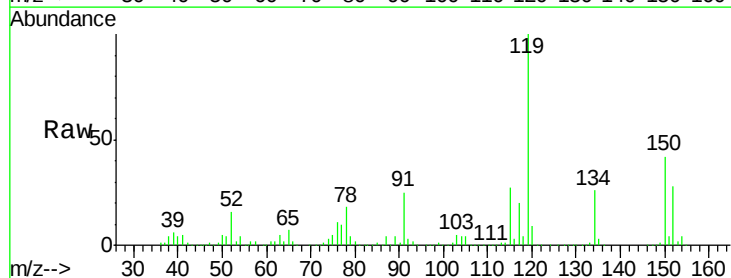
Tgt Ion:119 Resp: 148364

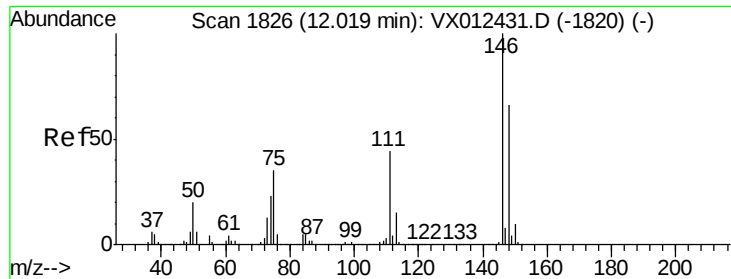
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 25.9 12.8 38.4





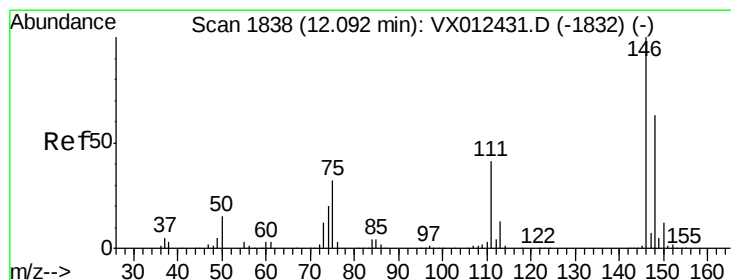
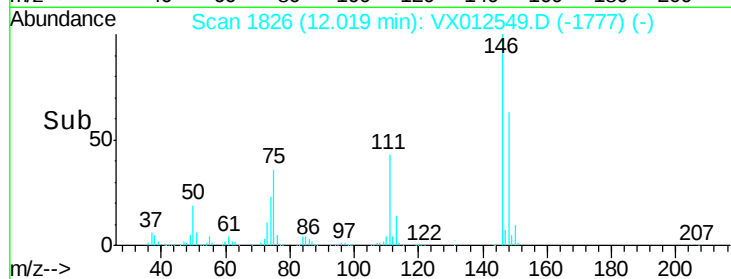
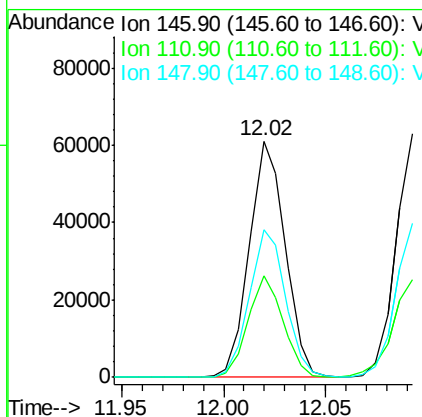
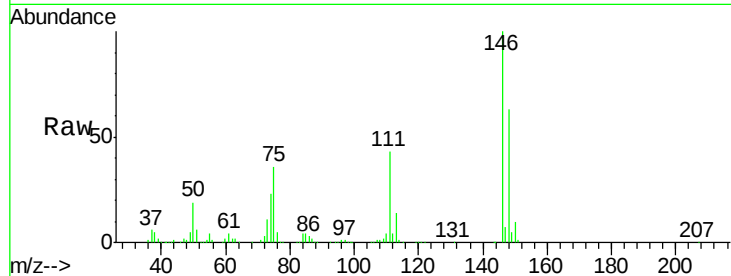
#87
 1,3-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	62.9	32.4	97.2

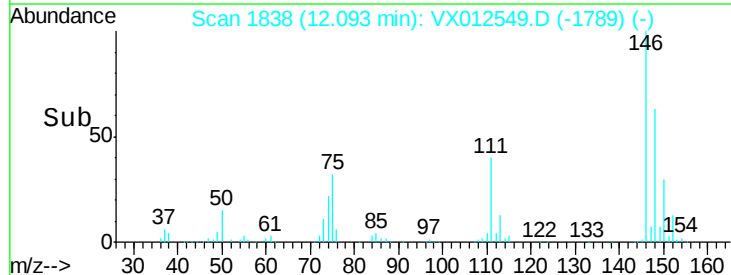
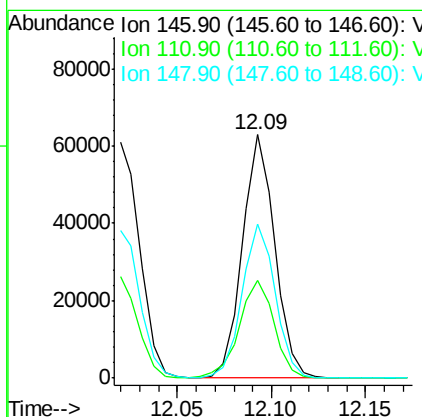
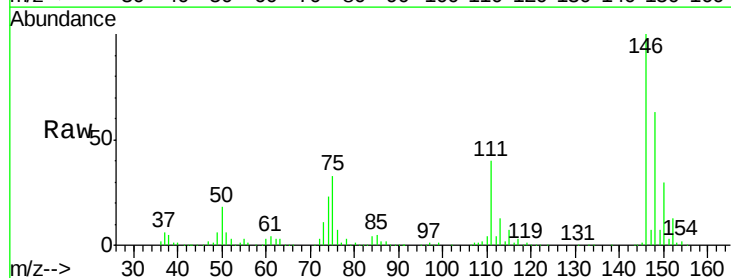
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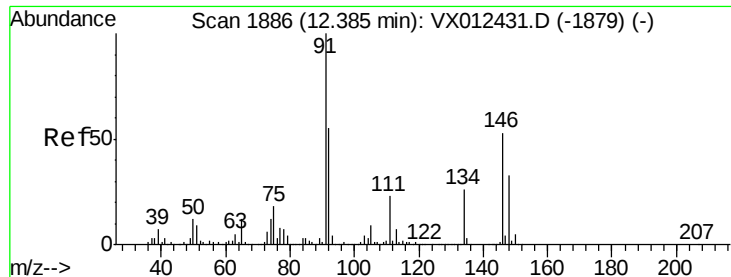
MMDadoda
 9/23/2019 11:29:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.578 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.3
148	65.3	32.1	96.5





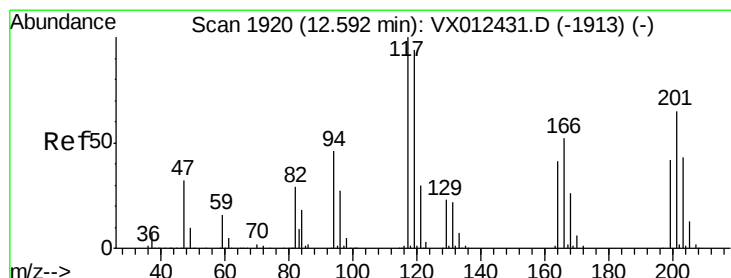
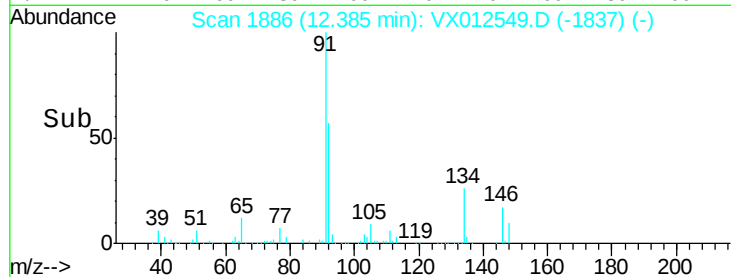
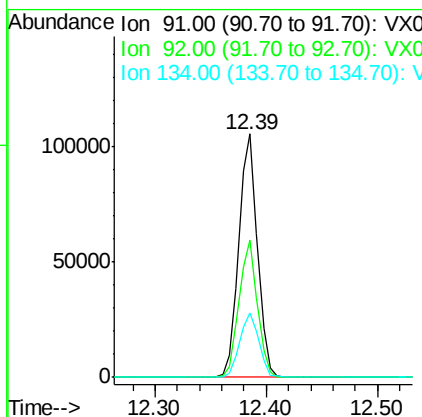
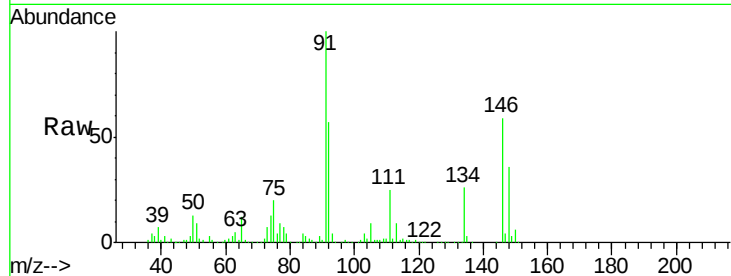
#89
n-Butylbenzene
Concen: 18.402 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	122937		
92	55.5	27.7	83.0	
134	26.9	12.9	38.6	

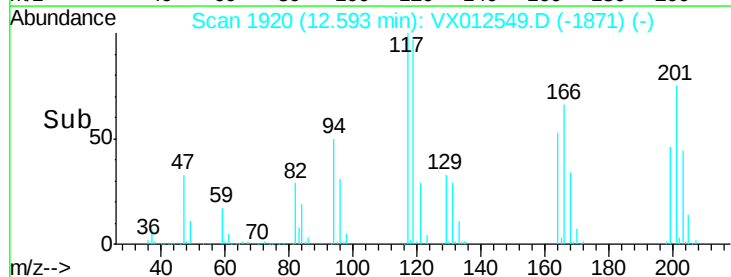
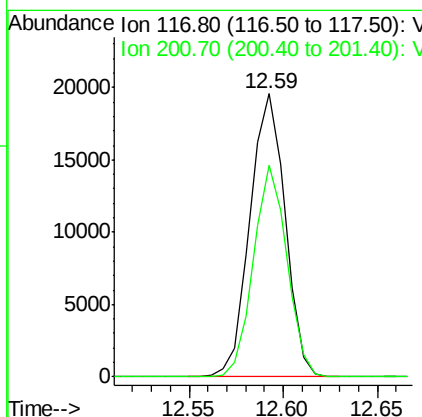
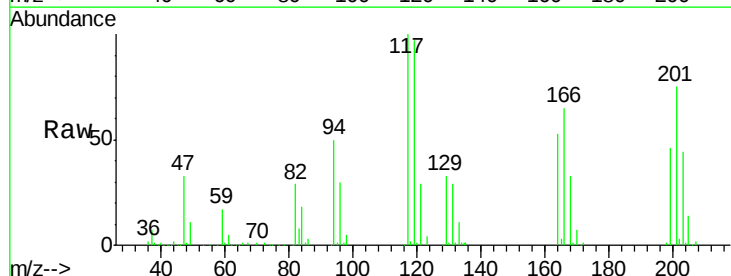
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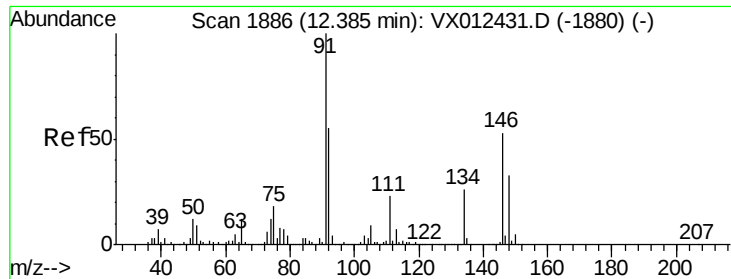
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#90
Hexachloroethane
Concen: 18.443 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	25321		
201	71.4	33.3	99.8	





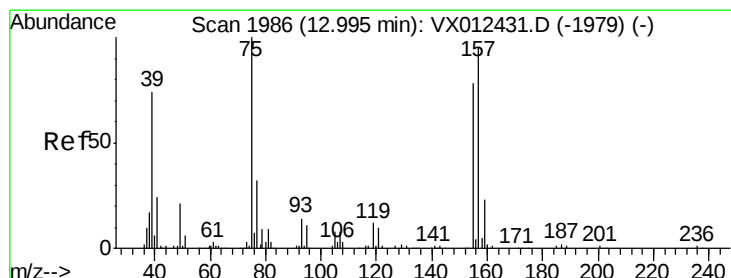
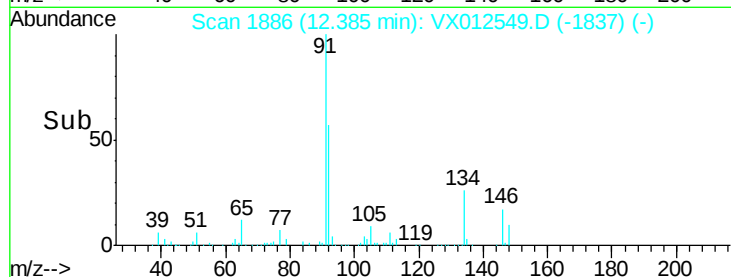
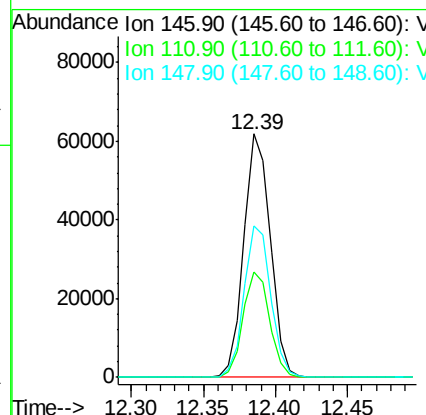
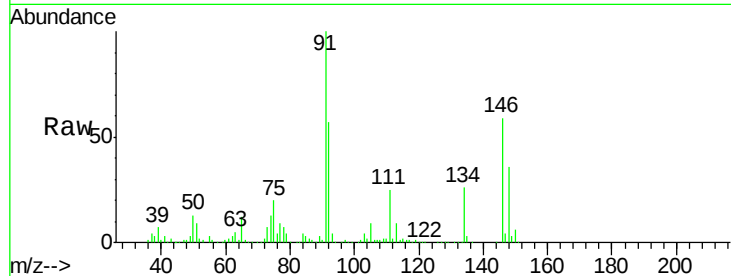
#91
 1,2-Dichlorobenzene
 Concen: 20.440 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.1
148	62.6	31.3	93.9

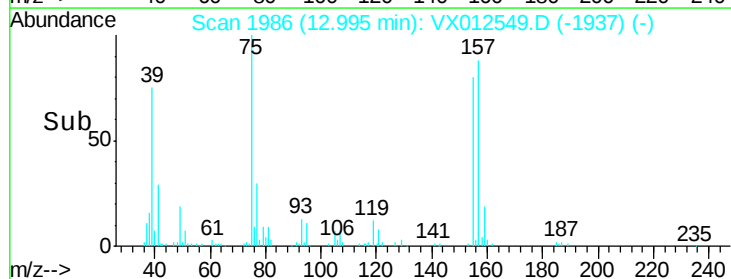
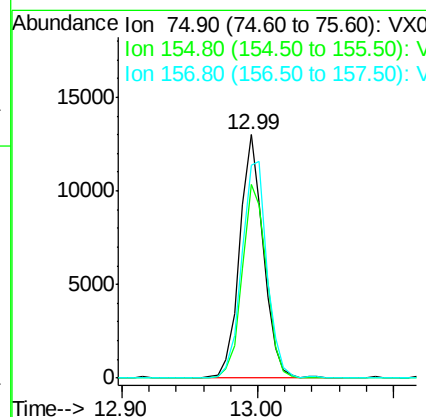
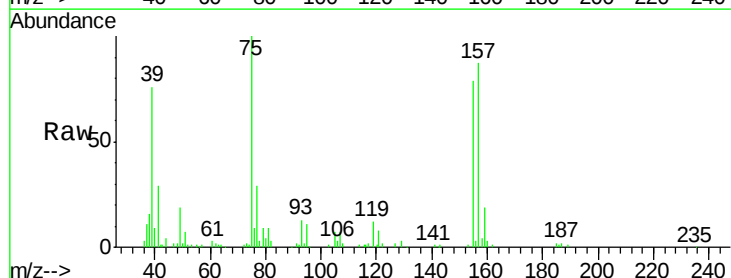
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.126 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	38.6	115.8
157	94.4	50.6	151.9





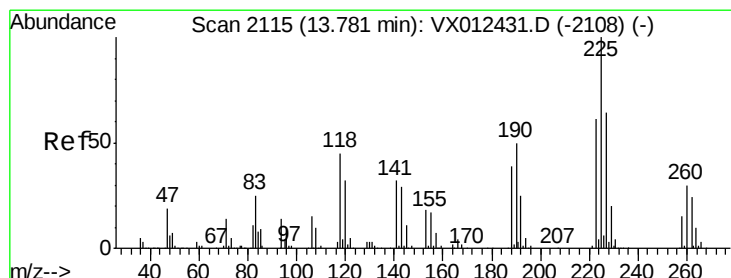
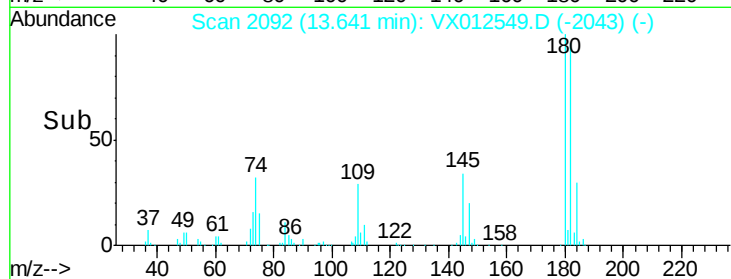
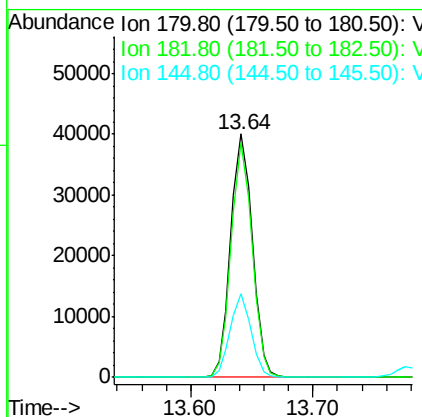
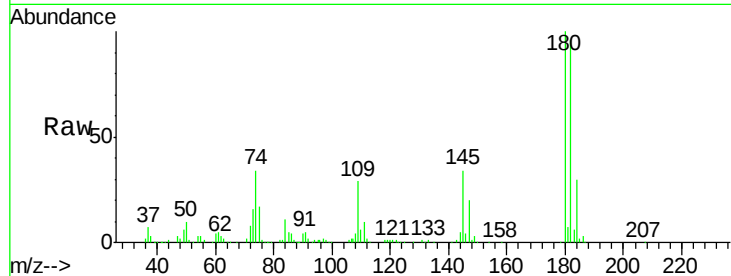
#93
 1,2,4-Trichlorobenzene
 Concen: 19.606 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49033		
182	93.6	47.0	141.0	
145	33.0	16.8	50.4	

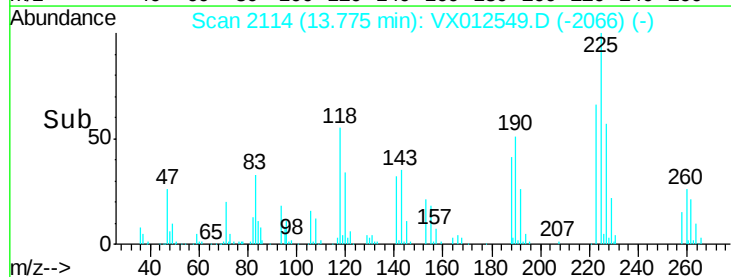
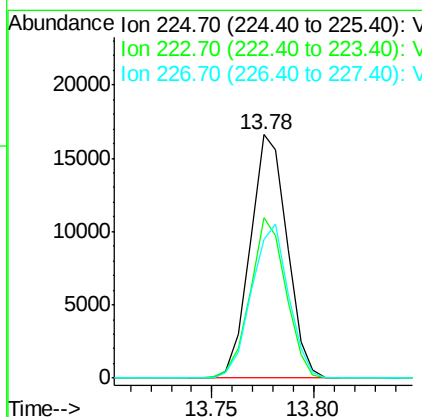
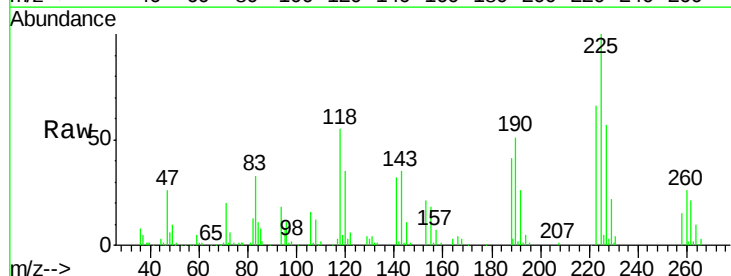
Manual Integrations
 APPROVED

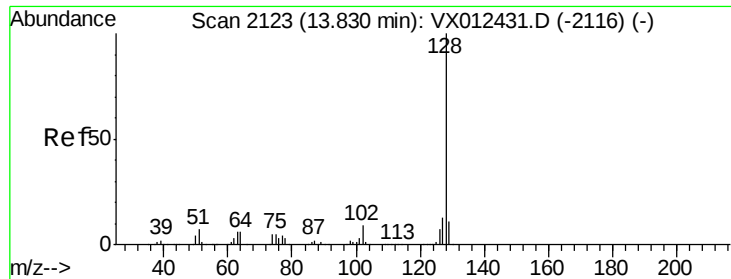
MMDadoda
 9/23/2019 11:29:40 AM



#94
 Hexachlorobutadiene
 Concen: 17.731 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012549.D
 Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20899		
223	63.7	32.0	96.2	
227	63.4	31.9	95.5	





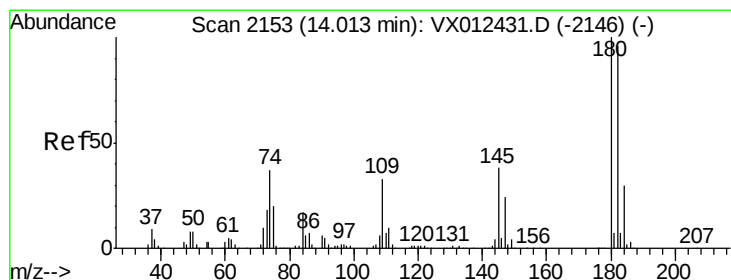
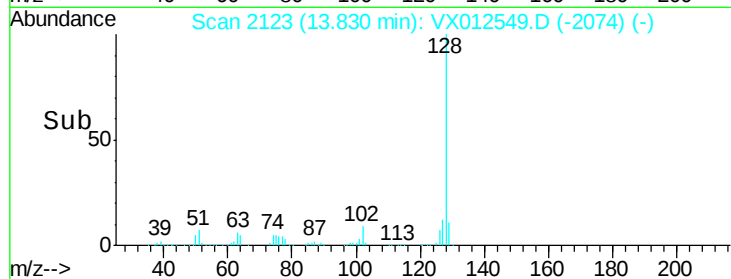
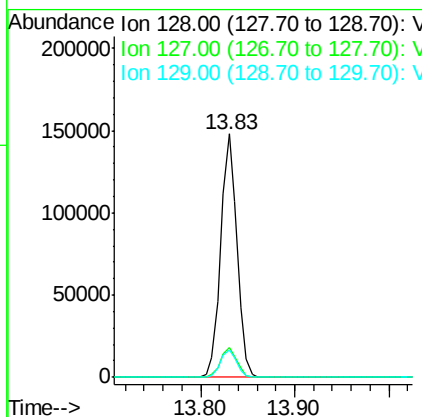
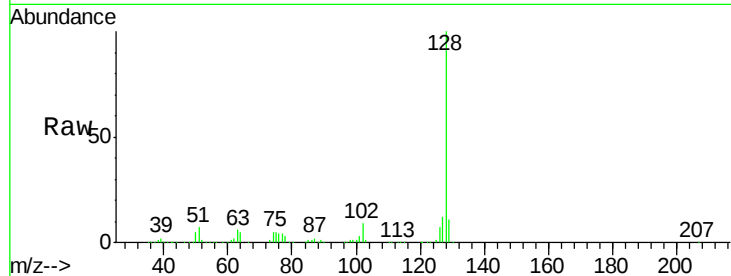
#95
Naphthalene
Concen: 19.933 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/23/2019 11:29:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.810 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012549.D
Acq: 20 Sep 2019 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.1	141.3
145	36.0	18.0	54.0

