

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092419\
 Data File : VX012624.D
 Acq On : 24 Sep 2019 11:49
 Operator : JC/SP
 Sample : VX0924MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 9:29:53 AM

Quant Time: Sep 25 05:16:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	318176	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	282404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	129413	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	5.49	113	93690	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	8.71	98	354882	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.14	95	135120	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	35555	17.702	ug/l	99
3) Chloromethane	1.32	50	40849	17.712	ug/l	96
4) Vinyl Chloride	1.40	62	42232	18.423	ug/l	98
5) Bromomethane	1.63	94	19443	21.572	ug/l	96
6) Chloroethane	1.72	64	27722	17.938	ug/l	100
7) Trichlorofluoromethane	1.92	101	59762	18.568	ug/l	93
8) Diethyl Ether	2.18	74	24722	18.743	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37484	19.121	ug/l	95
10) Methyl Iodide	2.50	142	34184	19.866	ug/l	96
11) Tert butyl alcohol	3.03	59	65257	100.480	ug/l	97
12) 1,1-Dichloroethene	2.36	96	37152	19.354	ug/l	97
13) Acrolein	2.28	56	30573	91.280	ug/l	99
14) Allyl chloride	2.72	41	72266	18.975	ug/l	98
15) Acrylonitrile	3.13	53	126998	96.385	ug/l	99
16) Acetone	2.44	43	127996	92.947	ug/l	98
17) Carbon Disulfide	2.56	76	95117	17.675	ug/l	100
18) Methyl Acetate	2.76	43	61994	19.119	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	140031	19.273	ug/l	97
20) Methylene Chloride	2.85	84	43299	18.590	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	40159	18.884	ug/l	97
22) Diisopropyl ether	3.84	45	141374	19.211	ug/l	94
23) Vinyl Acetate	3.80	43	618820	95.890	ug/l	98
24) 1,1-Dichloroethane	3.69	63	76378	19.094	ug/l	98
25) 2-Butanone	4.66	43	185931	94.165	ug/l	97
26) 2,2-Dichloropropane	4.58	77	63699	17.904	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	46301	18.764	ug/l	96
28) Bromochloromethane	5.00	49	28956	19.936	ug/l	96
29) Tetrahydrofuran	5.12	42	117495	97.629	ug/l	99
30) Chloroform	5.20	83	77927	19.042	ug/l	94
31) Cyclohexane	5.57	56	68865	19.030	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	67639	18.648	ug/l	99
36) 1,1-Dichloropropene	5.79	75	56489	18.419	ug/l	98
37) Ethyl Acetate	4.82	43	68593	19.131	ug/l	98
38) Carbon Tetrachloride	5.78	117	56649	18.183	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66779	18.087	ug/l	98
40) Benzene	6.14	78	171344	18.988	ug/l	98
41) Methacrylonitrile	5.03	41	38139	18.958	ug/l	96
42) 1,2-Dichloroethane	6.18	62	66190	19.316	ug/l	100
43) Isopropyl Acetate	6.43	43	111933	18.668	ug/l	99
44) Trichloroethene	7.21	130	42557	18.448	ug/l	95
45) 1,2-Dichloropropane	7.51	63	44035	19.061	ug/l	98
46) Dibromomethane	7.66	93	29140	18.526	ug/l	96
47) Bromodichloromethane	7.89	83	57593	18.320	ug/l	97
48) Methyl methacrylate	7.76	41	53530	18.619	ug/l	95
49) 1,4-Dioxane	7.73	88	23625	362.280	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	349721	94.487	ug/l	97
52) Toluene	8.78	92	108402	19.114	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	63496	18.255	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	70155	18.473	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	43172	19.147	ug/l	97
56) Ethyl methacrylate	9.17	69	69753	18.414	ug/l	96
57) 1,3-Dichloropropane	9.37	76	75565	19.149	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	161928	95.232	ug/l	99
59) 2-Hexanone	9.49	43	268660	94.829	ug/l	96
60) Dibromochloromethane	9.57	129	41684	18.262	ug/l	99
61) 1,2-Dibromoethane	9.67	107	45508	19.393	ug/l	98
64) Tetrachloroethene	9.33	164	37827	19.212	ug/l	98
65) Chlorobenzene	10.14	112	110440	18.571	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	40058	18.591	ug/l	99
67) Ethyl Benzene	10.25	91	201204	18.654	ug/l	98
68) m/p-Xylenes	10.35	106	150865	37.339	ug/l	100
69) o-Xylene	10.70	106	72657	18.584	ug/l	98
70) Styrene	10.71	104	122546	18.697	ug/l	99
71) Bromoform	10.85	173	26588	17.722	ug/l #	100
73) Isopropylbenzene	11.01	105	196764	19.940	ug/l	99
74) N-amyl acetate	10.89	43	88285	18.754	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	64424	19.713	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	63929m	19.947	ug/l	
77) Bromobenzene	11.25	156	43202	19.344	ug/l	95
78) n-propylbenzene	11.35	91	214107	19.272	ug/l	100
79) 2-Chlorotoluene	11.42	91	135437	19.543	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	163157	19.717	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	20035	17.915	ug/l	97
82) 4-Chlorotoluene	11.51	91	154571	19.565	ug/l	97
83) tert-Butylbenzene	11.76	119	155123	19.433	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	165460	19.821	ug/l	99
85) sec-Butylbenzene	11.94	105	183107	19.722	ug/l	99
86) p-Isopropyltoluene	12.06	119	163738	19.545	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	77834	19.366	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	79064	19.467	ug/l	98
89) n-Butylbenzene	12.39	91	136146	18.443	ug/l	99
90) Hexachloroethane	12.59	117	27265	18.255	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	78452	19.497	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15585	19.064	ug/l	93

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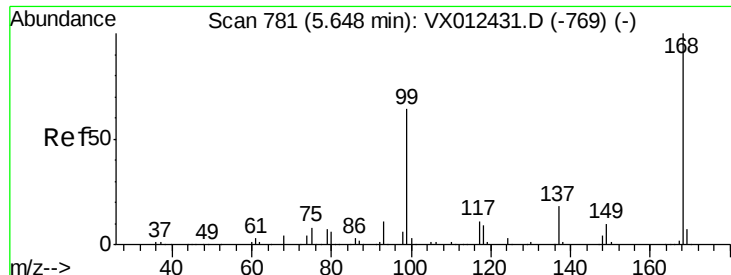
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	44436	18.108	ug/l	99
94) Hexachlorobutadiene	13.78	225	20696	19.604	ug/l	97
95) Naphthalene	13.83	128	170587	19.214	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	46114	18.760	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion:168 Resp: 178536

Ion Ratio Lower Upper

168 100

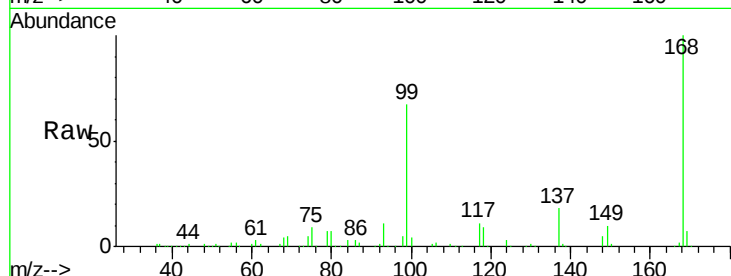
99 66.9 51.4 77.2

Manual Integrations

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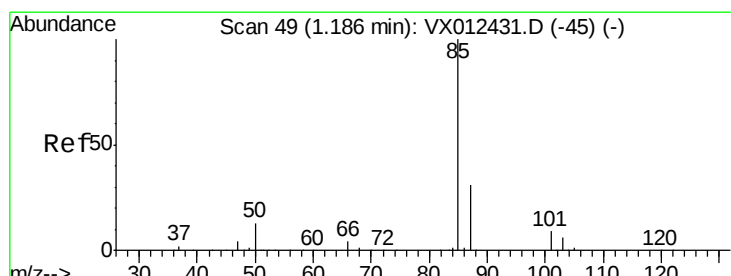
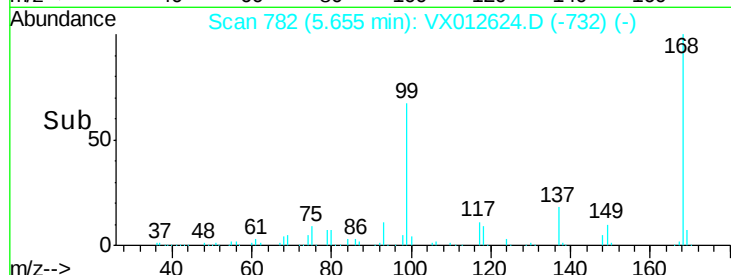
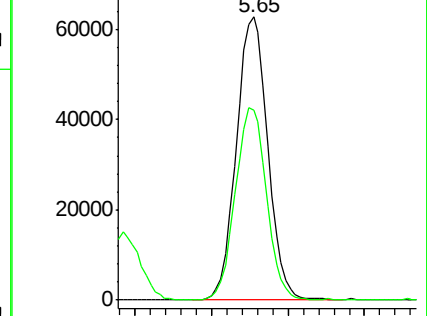
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.702 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012624.D

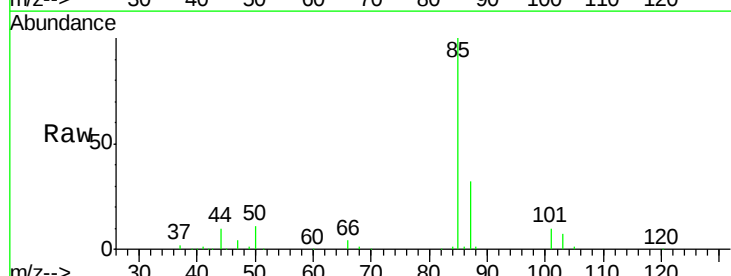
Acq: 24 Sep 2019 11:49

Tgt Ion: 85 Resp: 35555

Ion Ratio Lower Upper

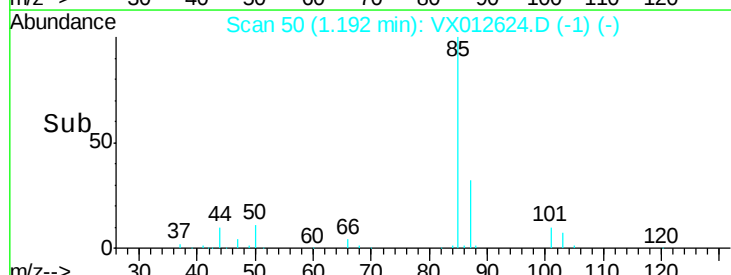
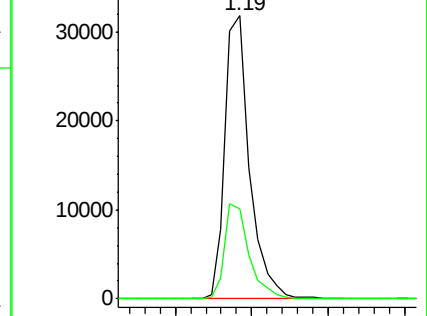
85 100

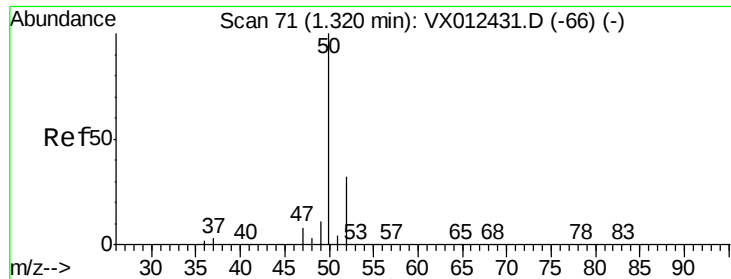
87 31.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.712 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion: 50 Resp: 40849

Ion Ratio Lower Upper

50 100

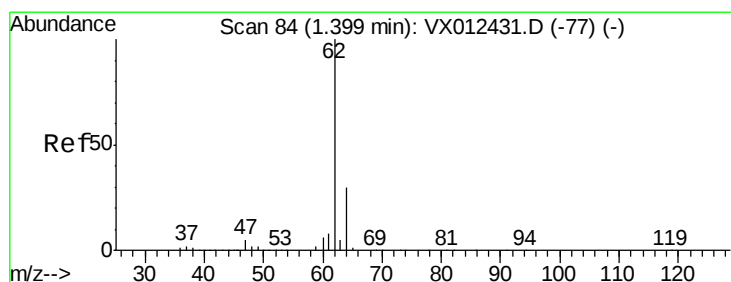
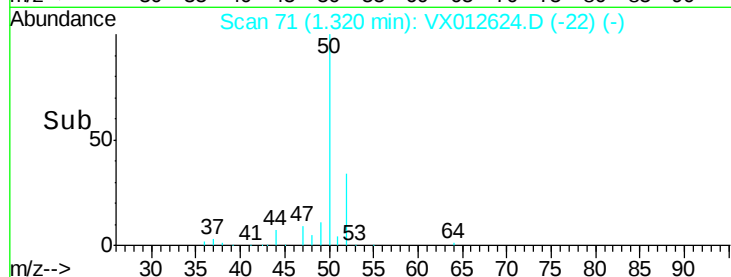
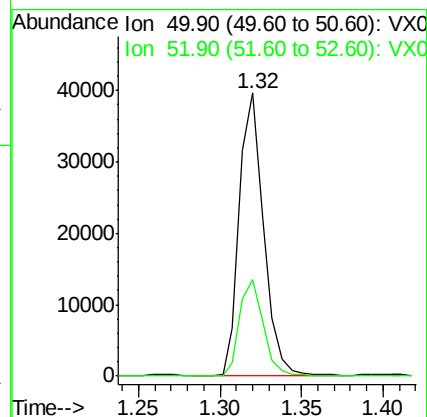
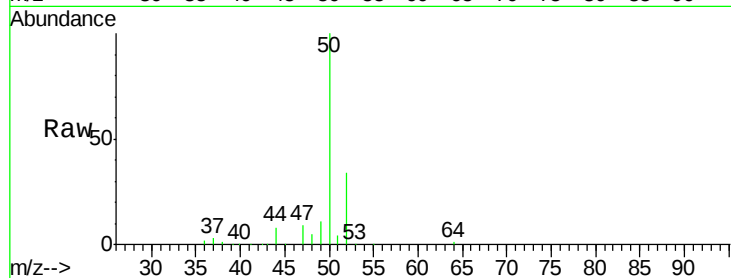
52 34.1 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.423 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012624.D

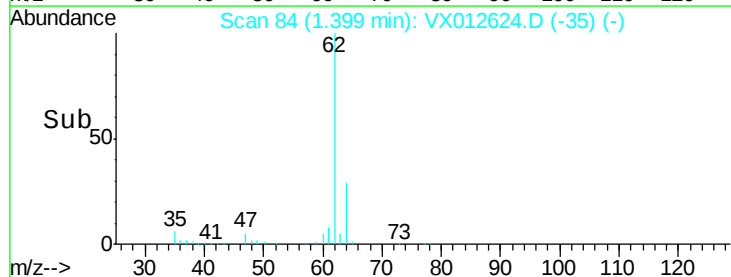
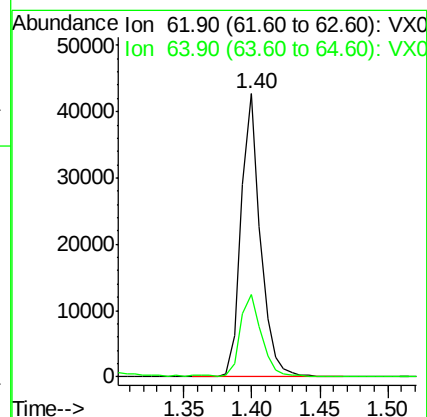
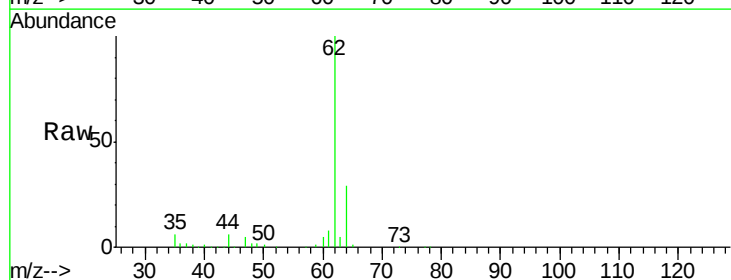
Acq: 24 Sep 2019 11:49

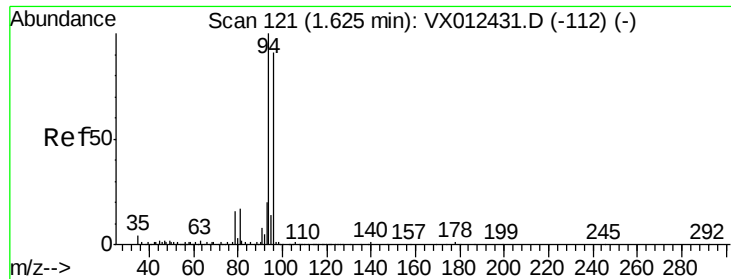
Tgt Ion: 62 Resp: 42232

Ion Ratio Lower Upper

62 100

64 29.1 24.2 36.2





#5

Bromomethane

Concen: 21.572 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion: 94 Resp: 19443

Ion Ratio Lower Upper

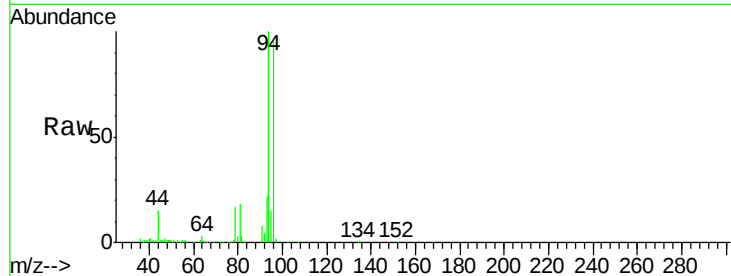
94 100

96 94.9 72.8 109.2

Manual Integrations
APPROVED

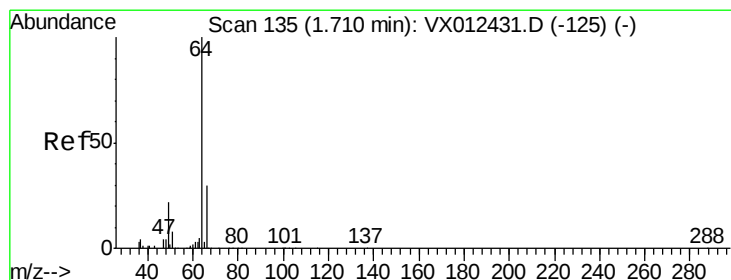
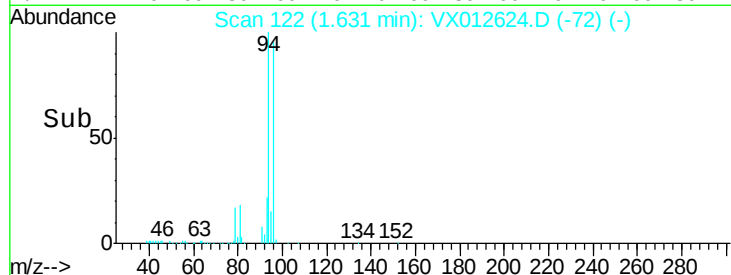
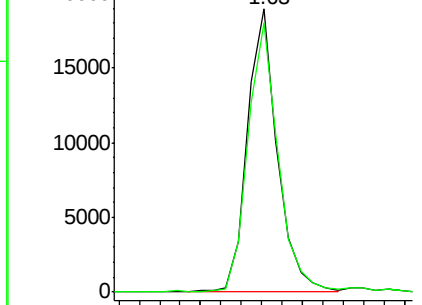
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.938 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012624.D

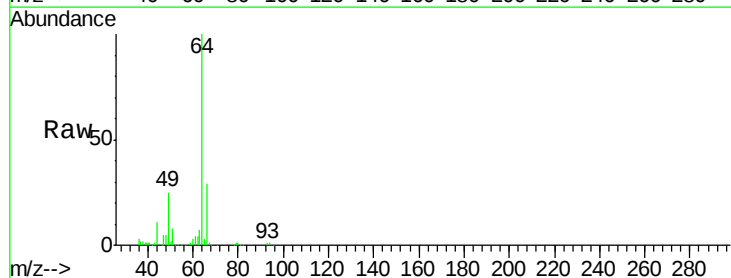
Acq: 24 Sep 2019 11:49

Tgt Ion: 64 Resp: 27722

Ion Ratio Lower Upper

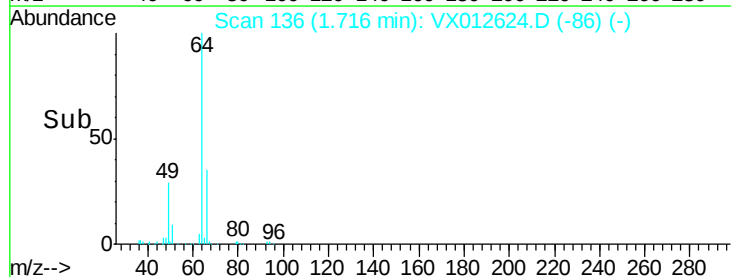
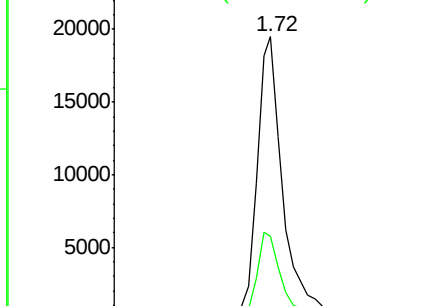
64 100

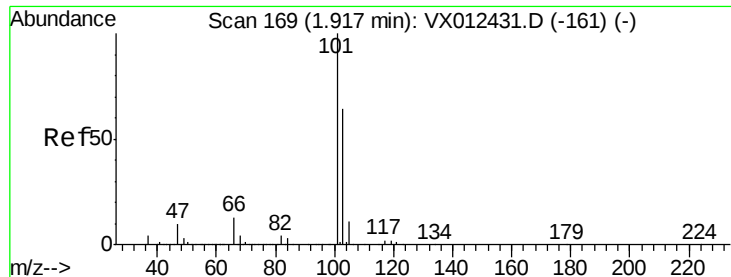
66 30.1 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

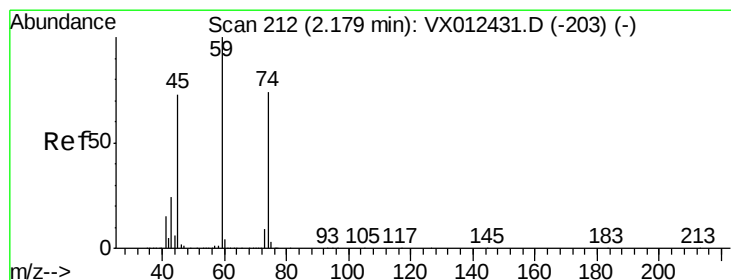
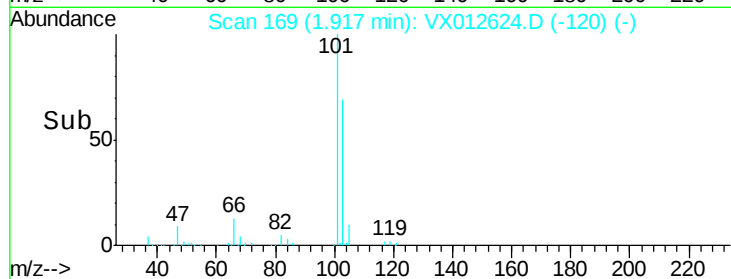
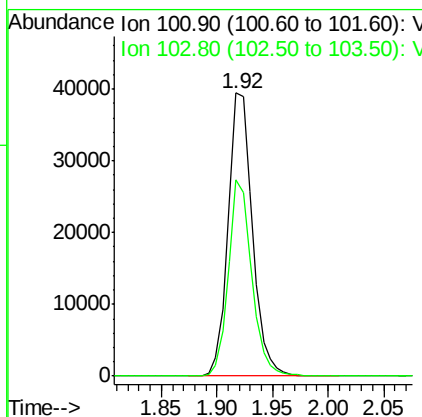
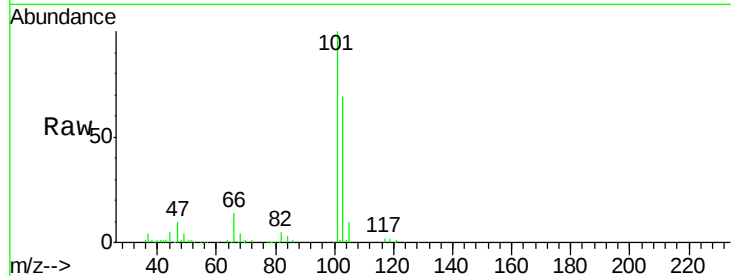
Trichlorofluoromethane
 Concen: 18.568 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
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 ClientSampleId :
 VX0924MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	51.0	76.4

Manual Integrations
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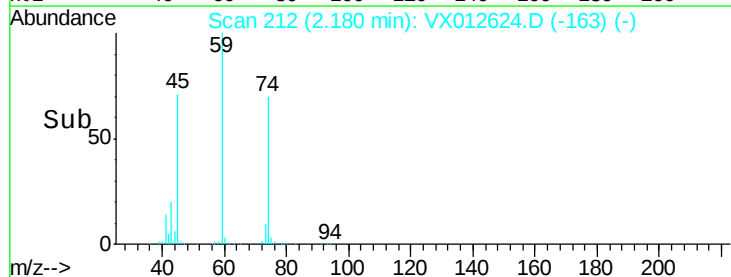
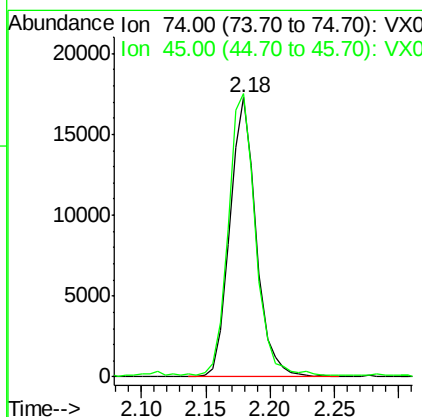
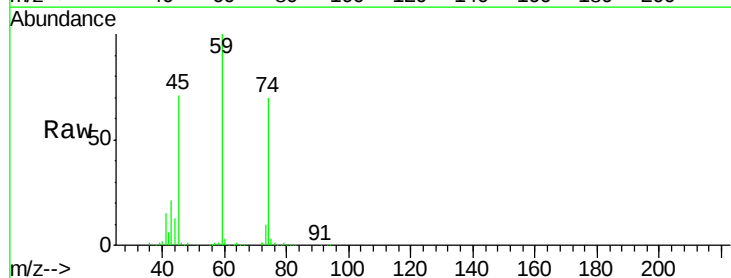
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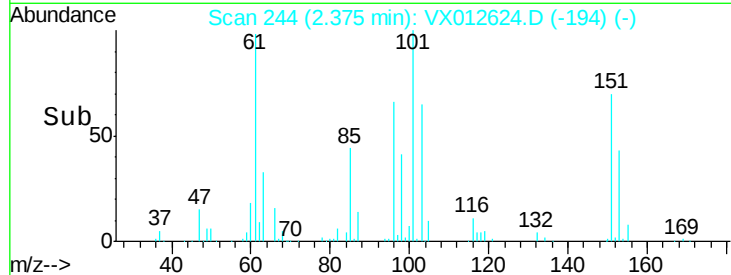
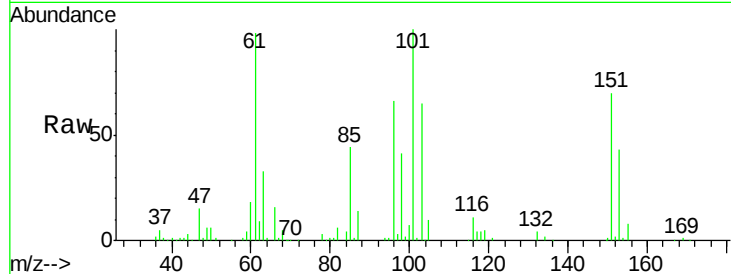
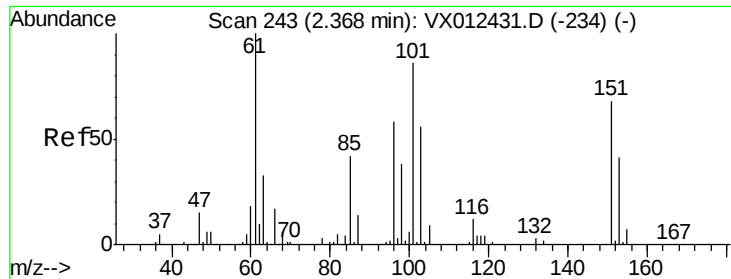


#8

Diethyl Ether
 Concen: 18.743 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.121 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012624.D

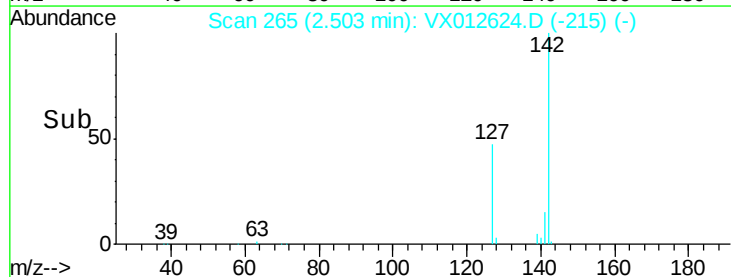
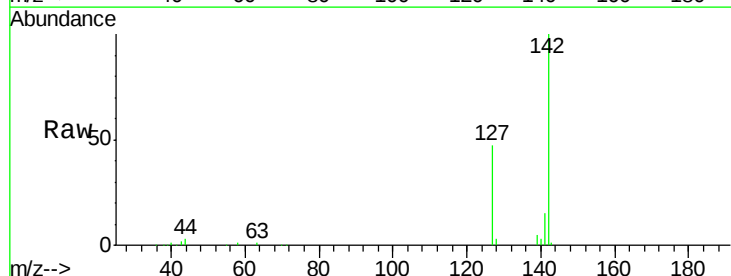
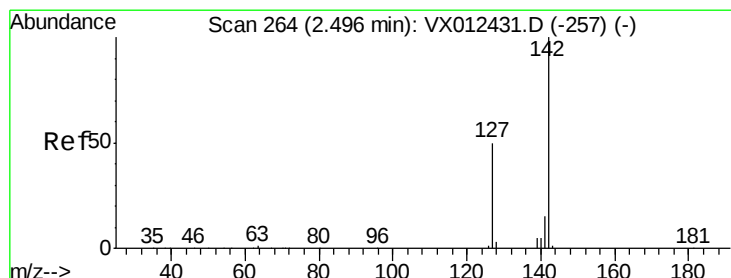
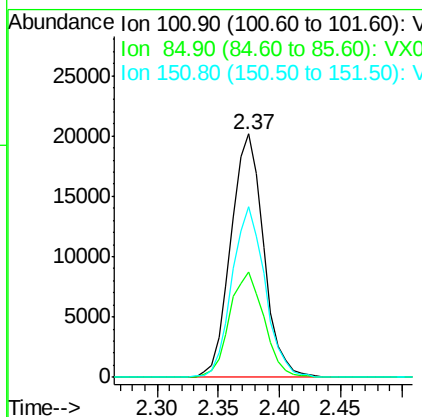
Acq: 24 Sep 2019 11:49

Tot Ion	Ratio	Resp	Lower	Upper
101	100	37484		
85	45.1	37.3	55.9	
151	70.5	61.0	91.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Manual Integrations
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#10

Methyl Iodide

Concen: 19.866 ug/l

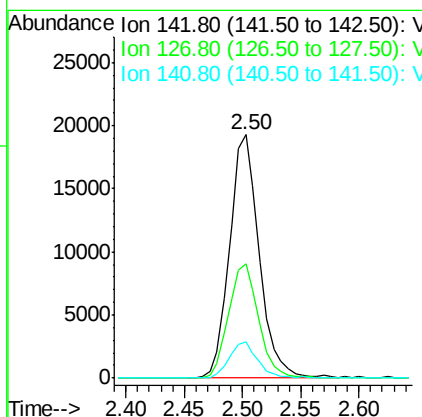
RT: 2.50 min Scan# 265

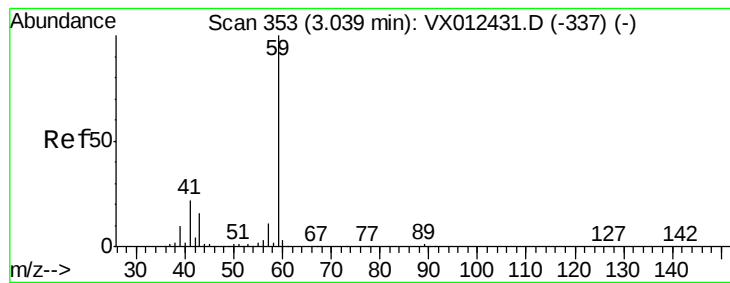
Delta R.T. 0.01 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	34184		
127	47.7	40.8	61.2	
141	14.2	12.1	18.1	





#11

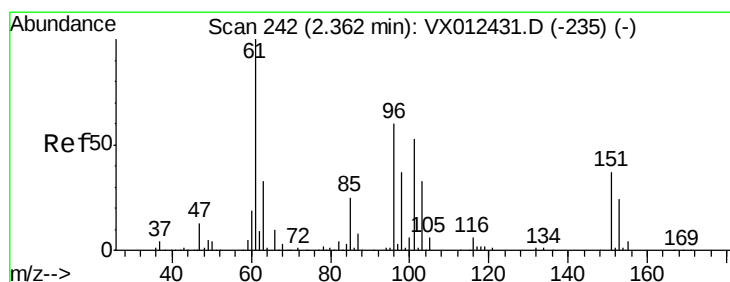
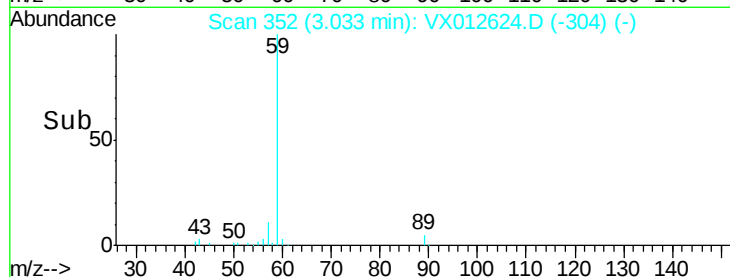
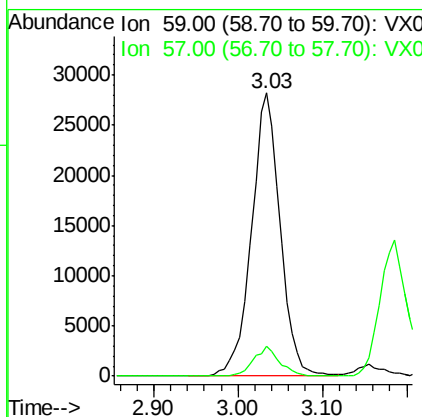
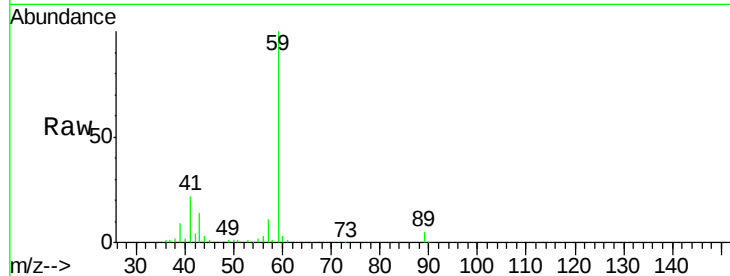
Tert butyl alcohol
 Concen: 100.480 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.3	12.5

Manual Integrations
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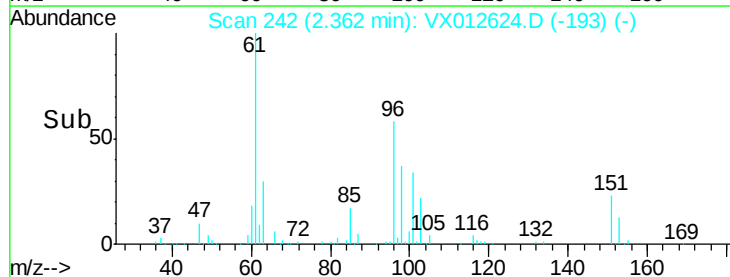
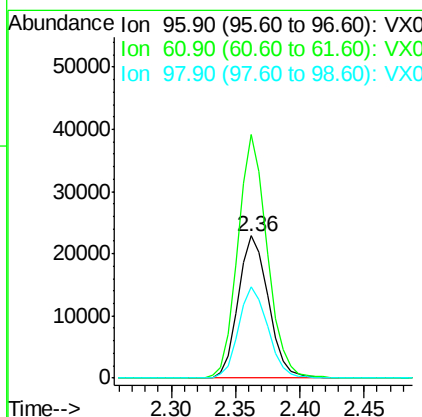
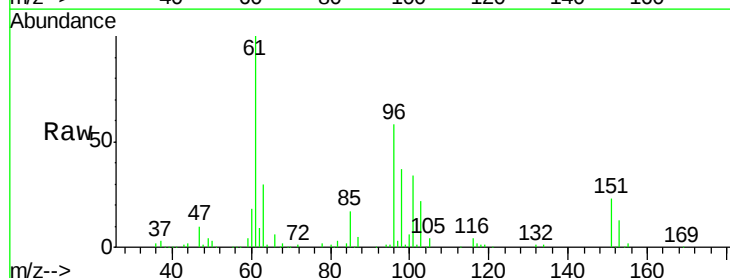
MMDadoda
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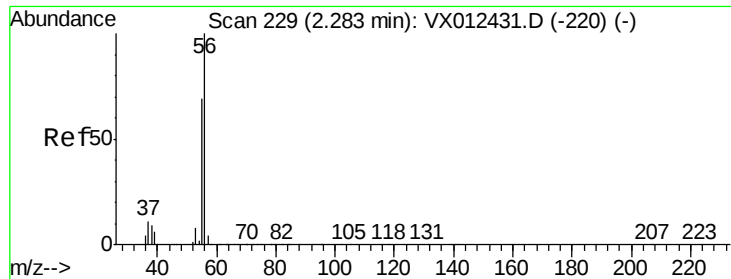


#12

1,1-Dichloroethene
 Concen: 19.354 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	133.8	200.6
98	64.0	49.9	74.9





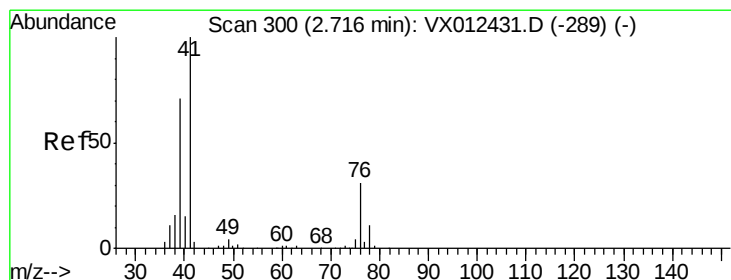
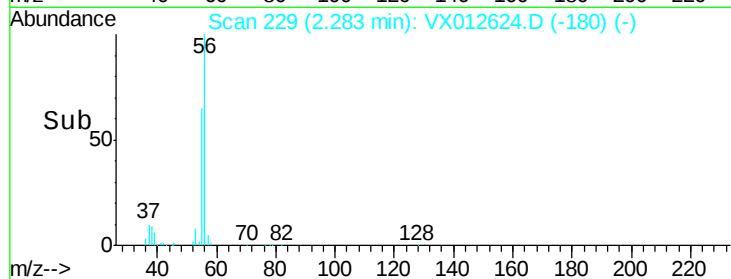
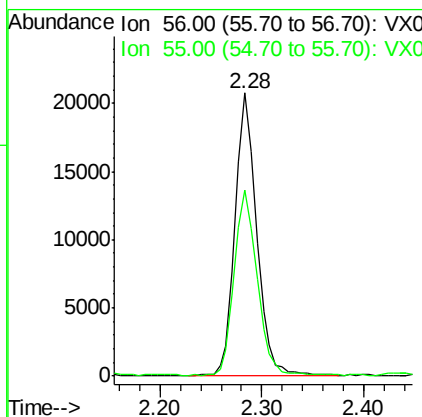
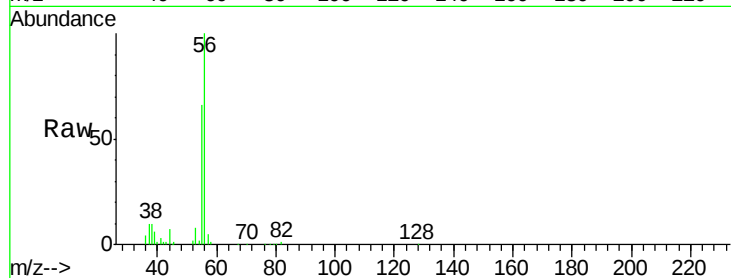
#13
Acrolein
Concen: 91.280 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.8	83.8

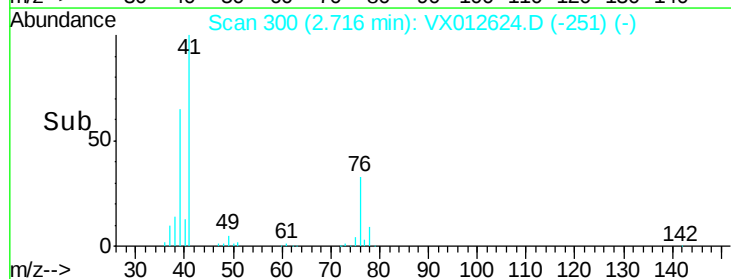
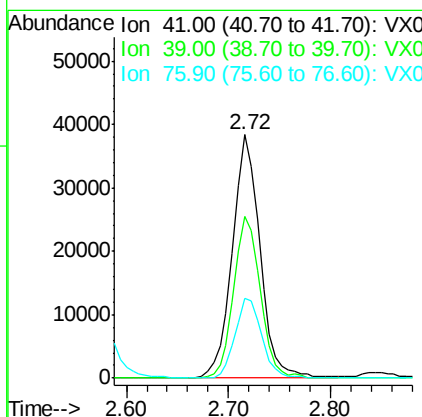
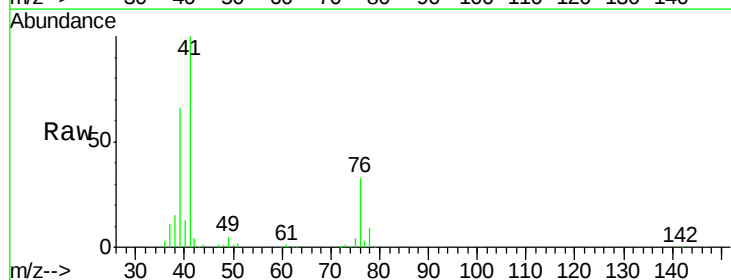
Manual Integrations
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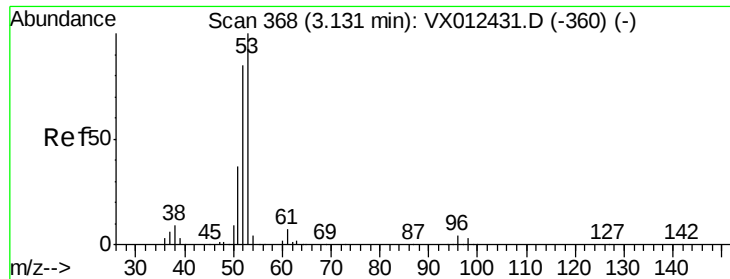
MMDadoda
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#14
Allyl chloride
Concen: 18.975 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.2	51.3	76.9
76	31.3	22.6	33.8





#15

Acrylonitrile

Concen: 96.385 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

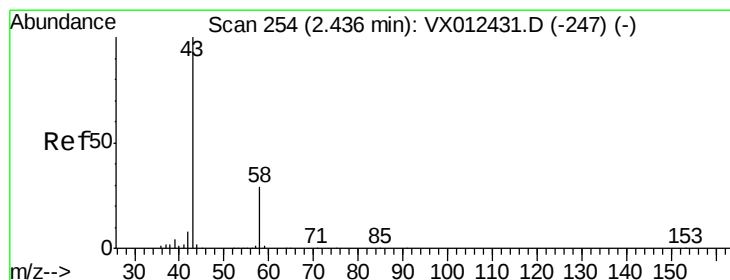
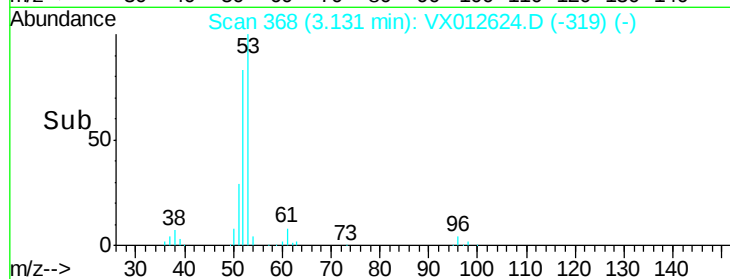
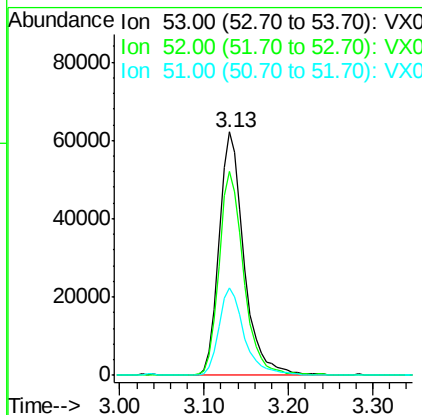
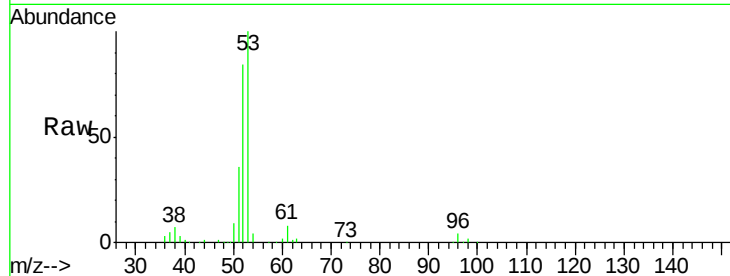
ClientSampleId :

VX0924MBS01

Tot Ion:	53	Resp:	126998
Ion Ratio	Lower	Upper	
53	100		
52	83.0	67.0	100.4
51	36.7	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 92.947 ug/l

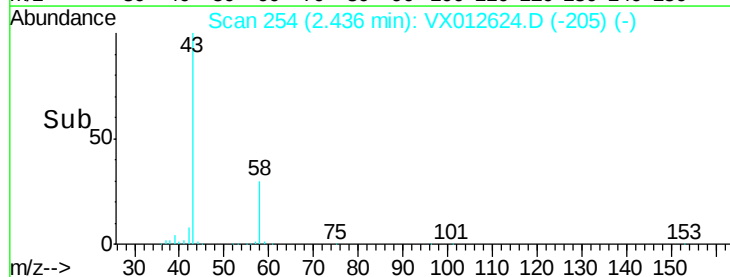
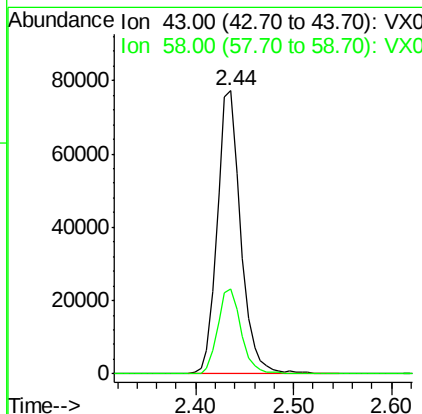
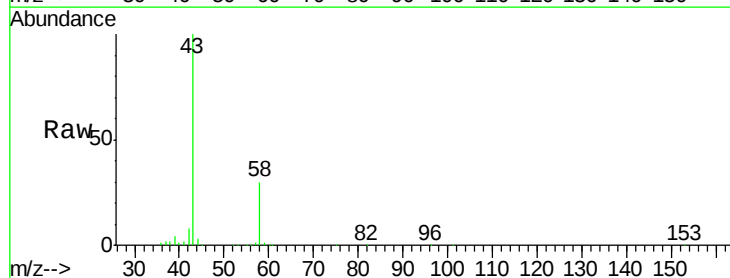
RT: 2.44 min Scan# 254

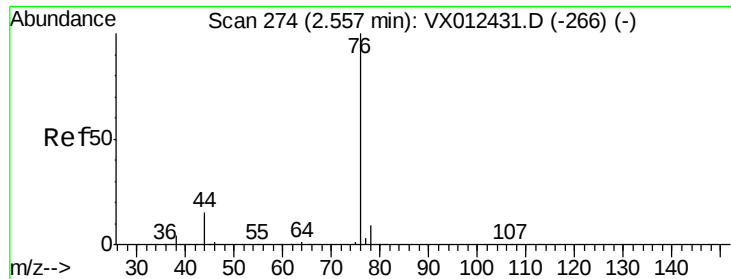
Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	43	Resp:	127996
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.3	34.9





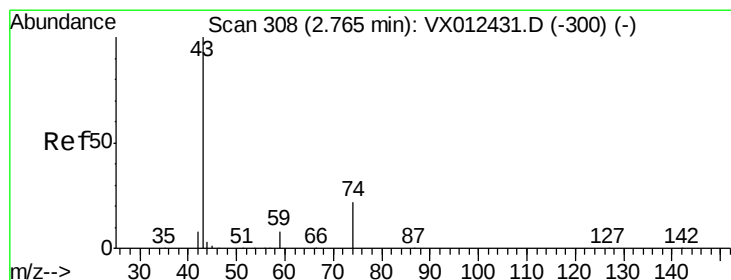
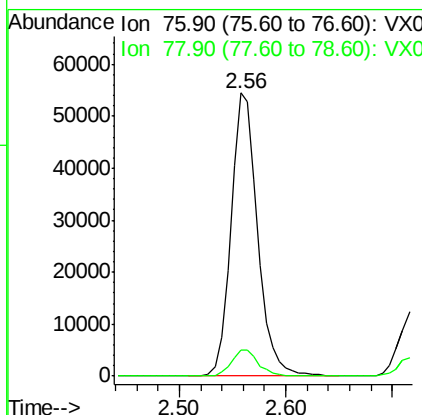
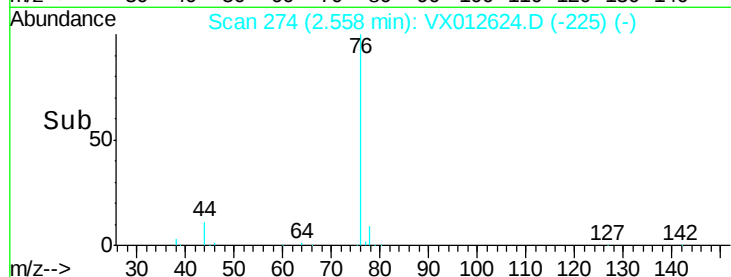
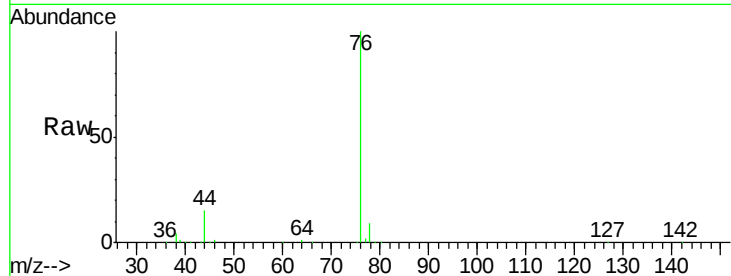
#17
Carbon Disulfide
Concen: 17.675 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

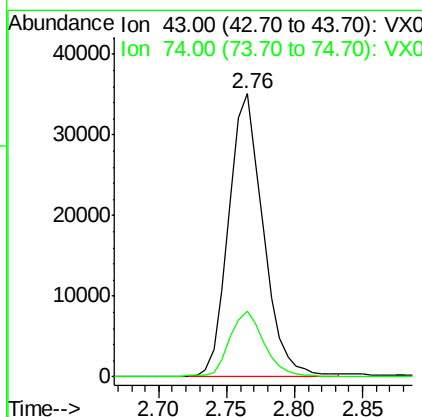
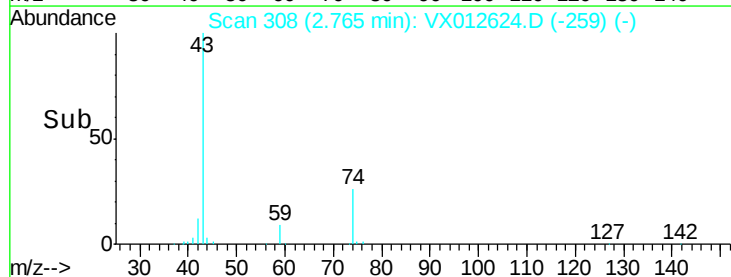
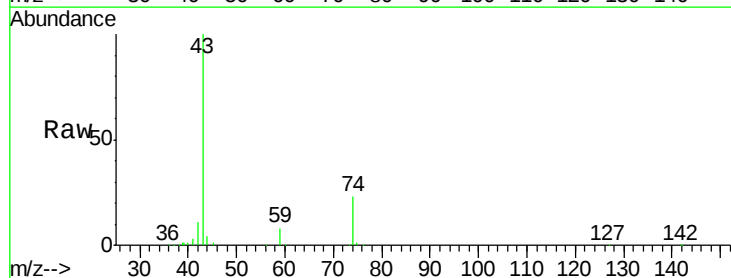
Manual Integrations
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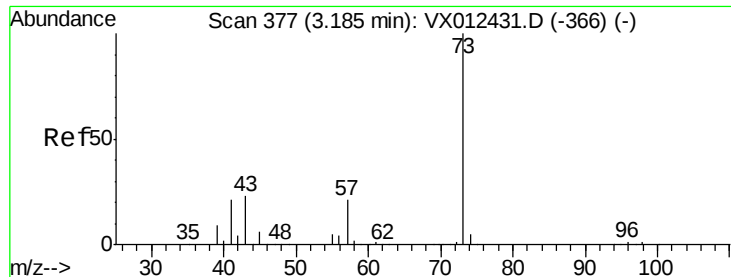
MMDadoda
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#18
Methyl Acetate
Concen: 19.119 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	17.7	26.5





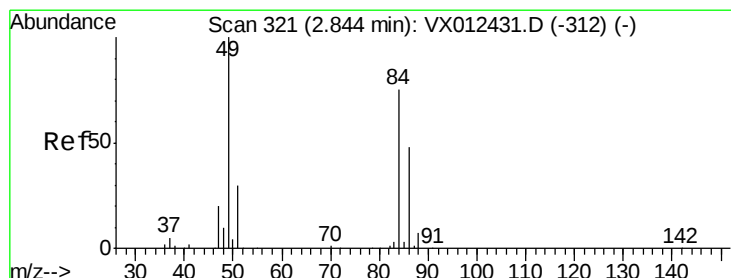
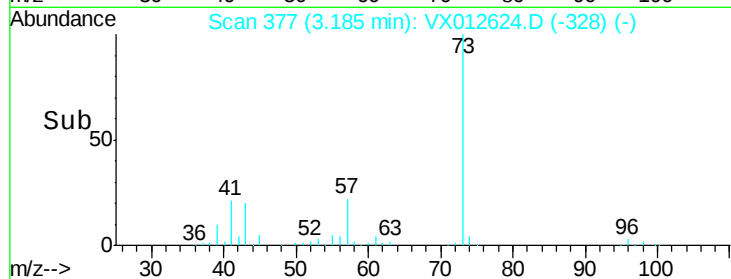
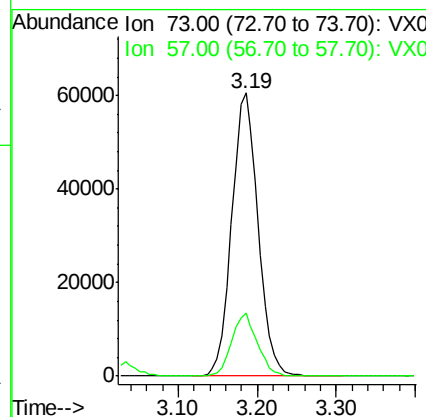
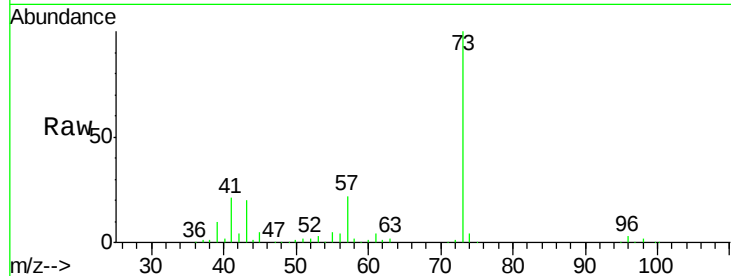
#19
Methyl tert-butyl Ether
Concen: 19.273 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	16.8	25.2

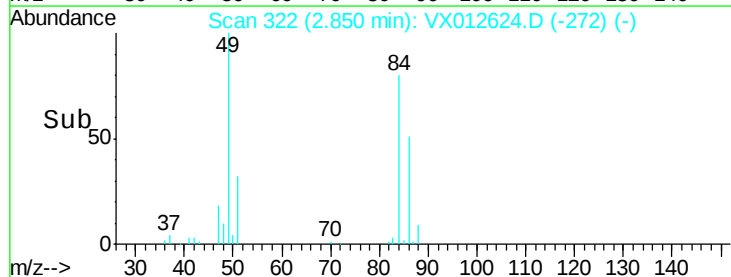
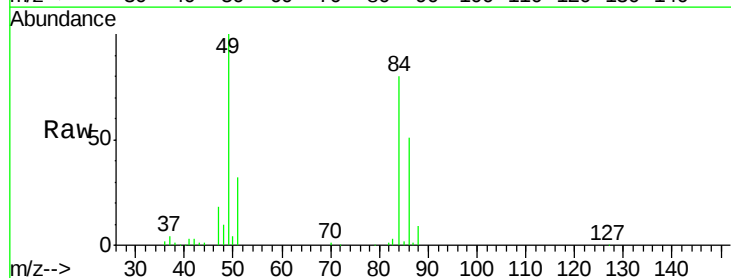
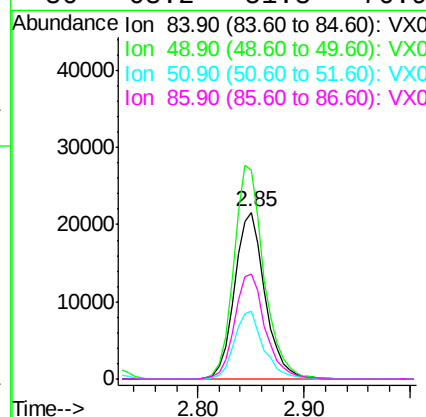
Manual Integrations
APPROVED

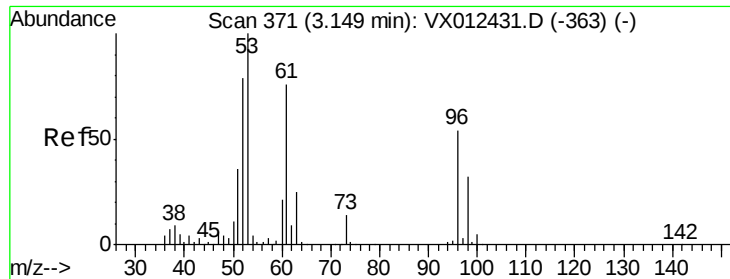
MMDadoda
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#20
Methylene Chloride
Concen: 18.590 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.0	106.8	160.2
51	40.4	32.3	48.5
86	63.2	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 18.884 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

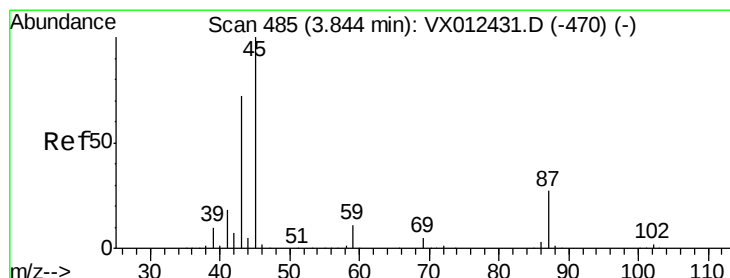
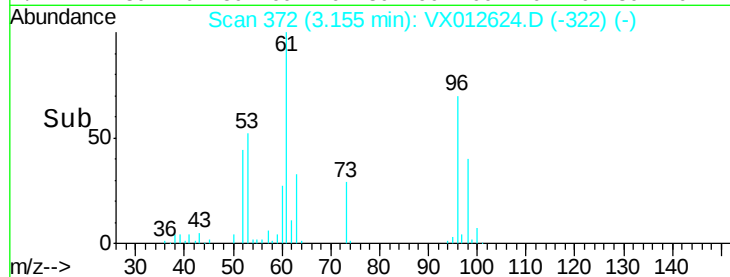
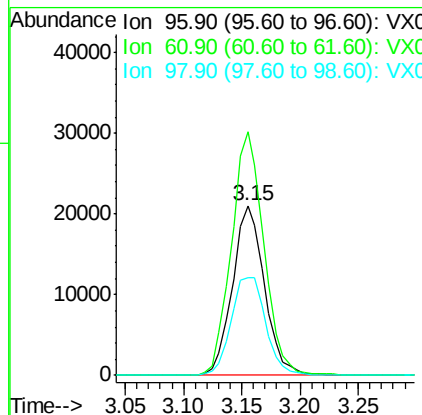
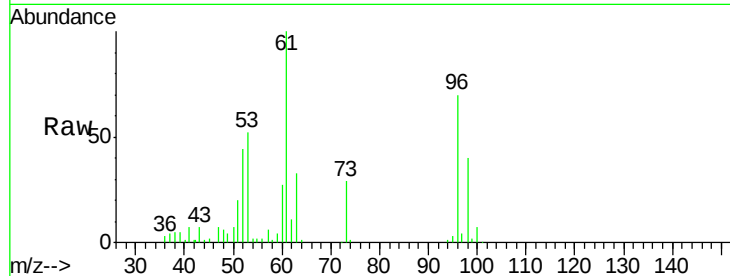
ClientSampleId :

VX0924MBS01

Tot Ion:	96	Resp:	40159
Ion	Ratio	Lower	Upper
96	100		
61	143.4	112.0	168.0
98	57.3	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.211 ug/l

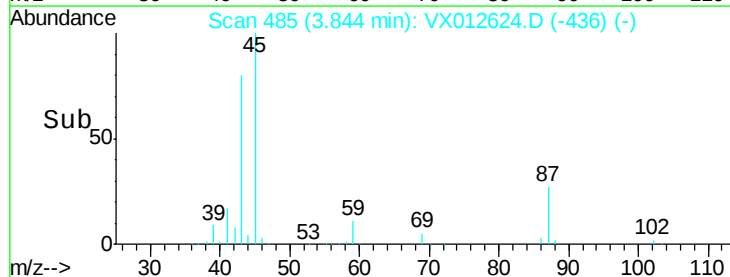
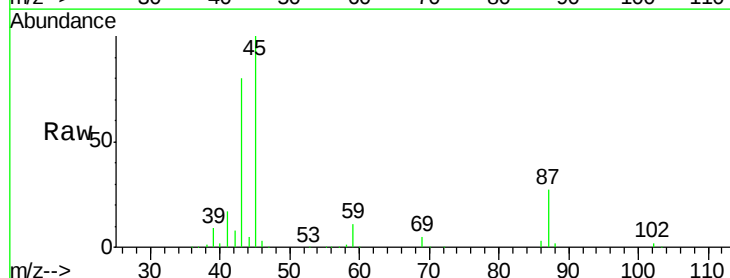
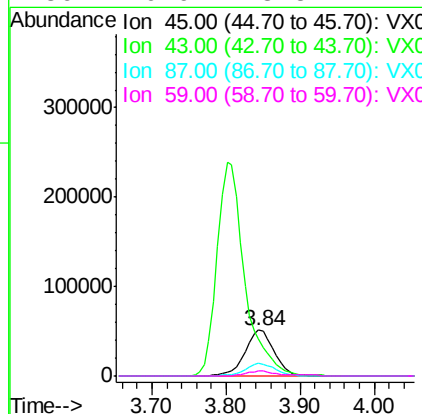
RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	45	Resp:	141374
Ion	Ratio	Lower	Upper
45	100		
43	79.6	57.8	86.8
87	26.8	21.3	31.9
59	10.9	8.5	12.7





#23

Vinyl Acetate

Concen: 95.890 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion: 43 Resp: 618820

Ion Ratio Lower Upper

43 100

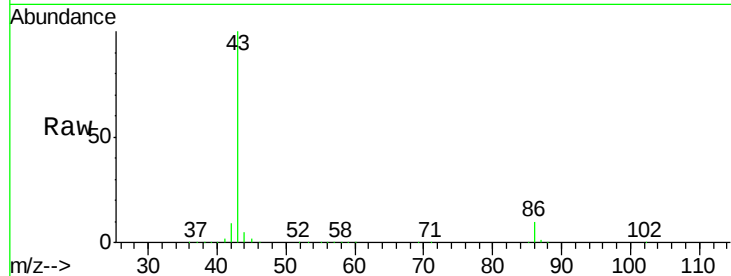
86 10.4 7.8 11.8

Manual Integrations

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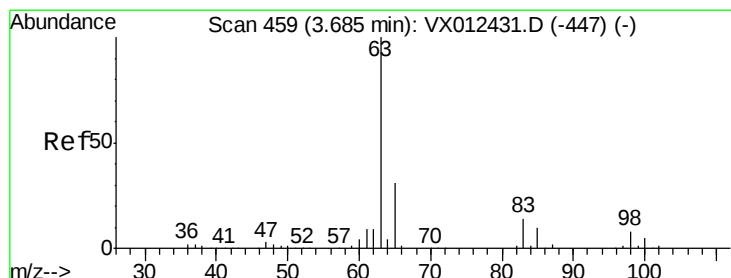
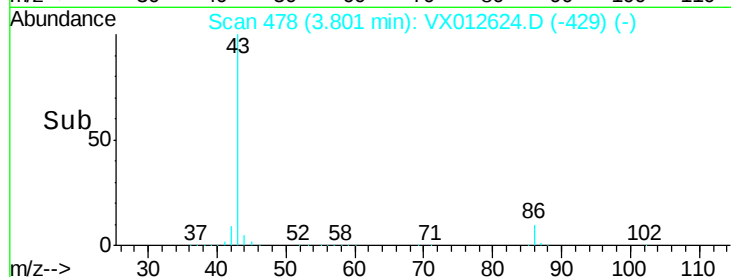
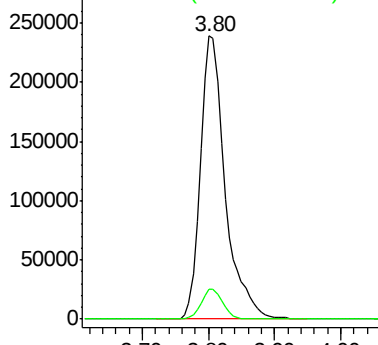
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.094 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

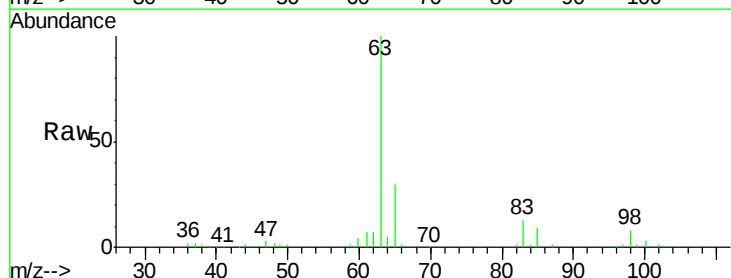
Tgt Ion: 63 Resp: 76378

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

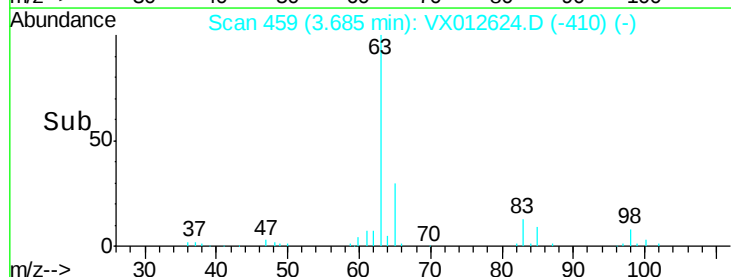
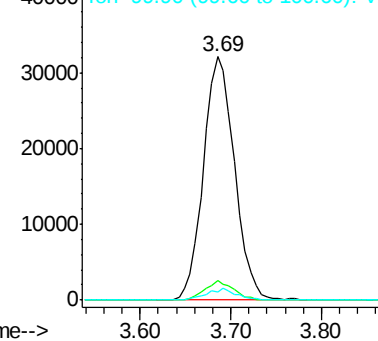
100 3.3 2.3 6.9

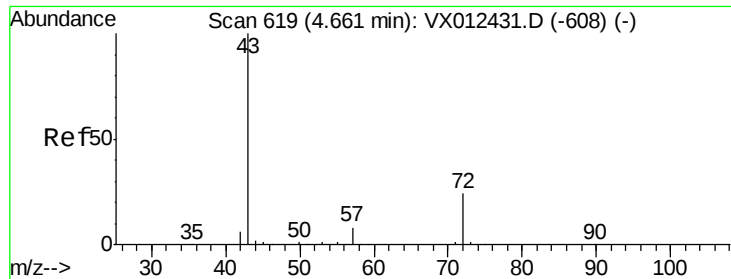


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 94.165 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion: 43 Resp: 185931

Ion Ratio Lower Upper

43 100

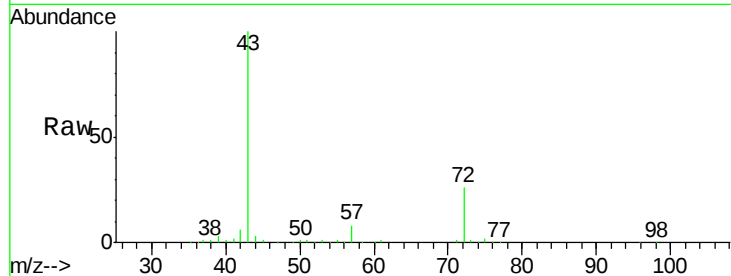
72 25.4 19.2 28.8

Manual Integrations

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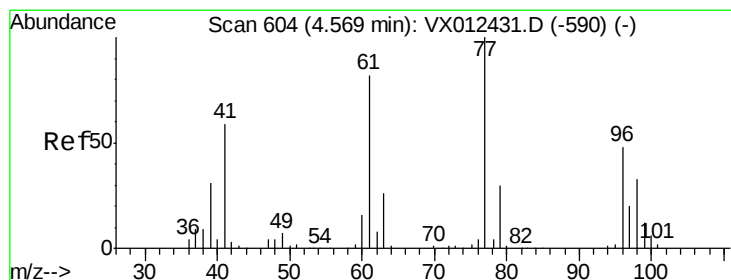
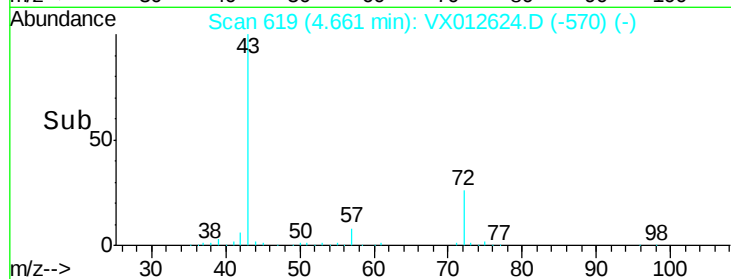
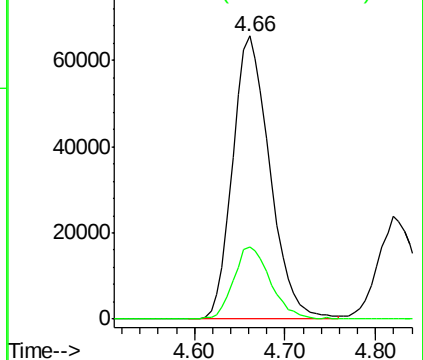
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.904 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012624.D

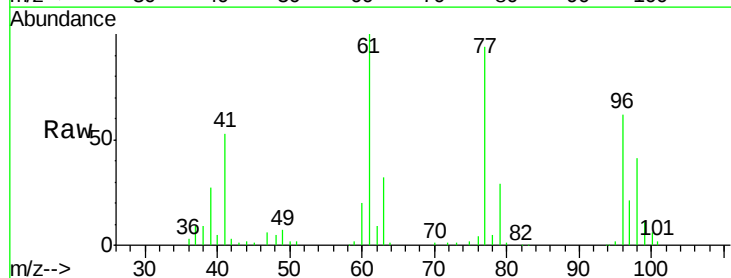
Acq: 24 Sep 2019 11:49

Tgt Ion: 77 Resp: 63699

Ion Ratio Lower Upper

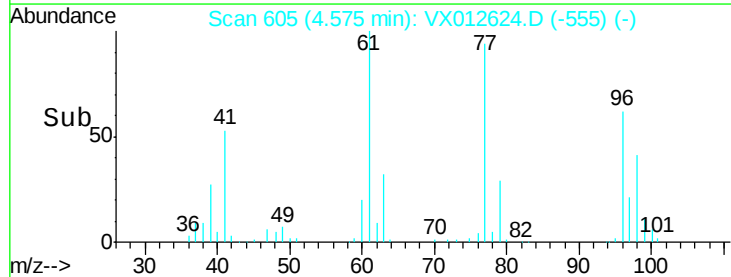
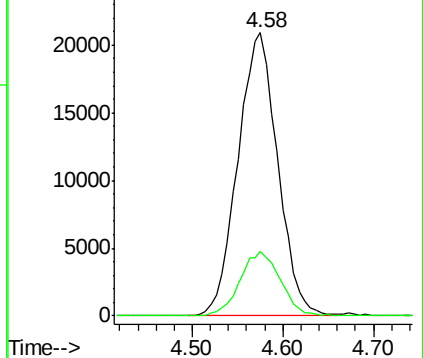
77 100

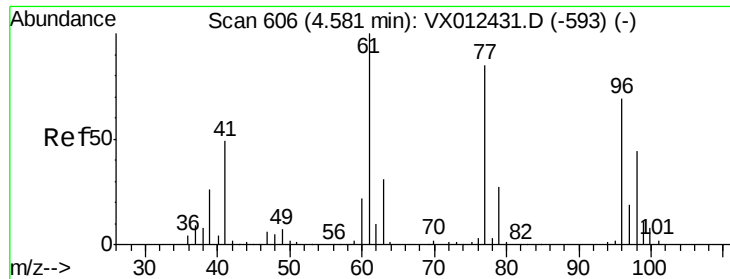
97 22.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

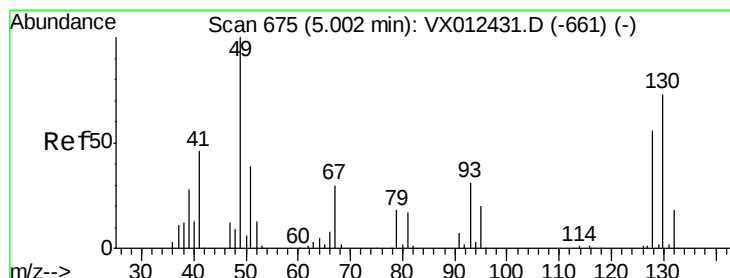
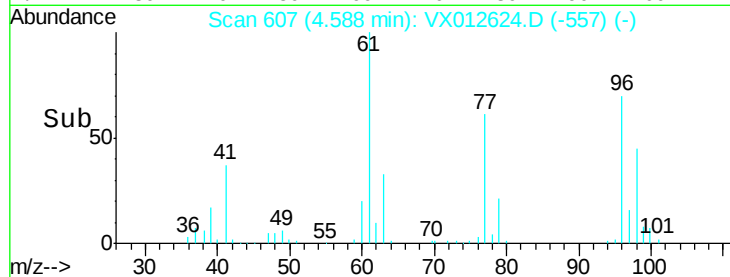
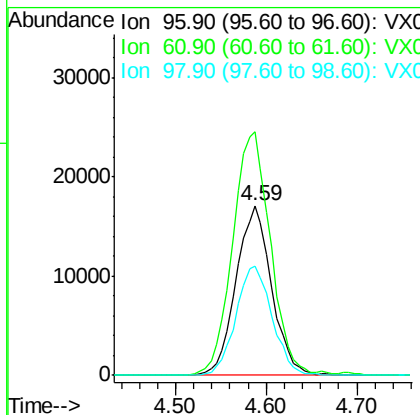
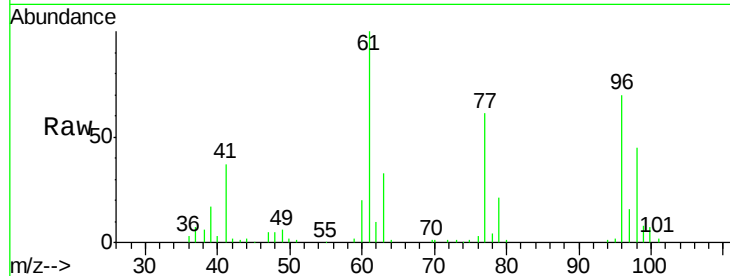
cis-1,2-Dichloroethene
Concen: 18.764 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	319.4
98	65.5	0.0	130.6

Manual Integrations
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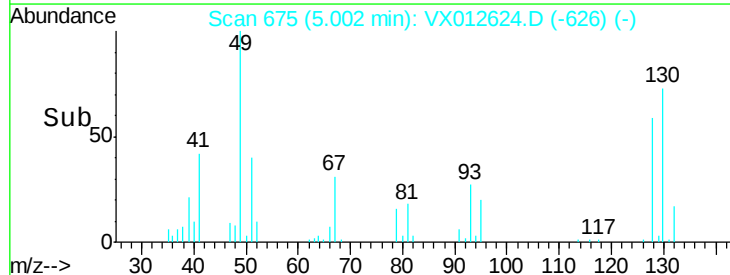
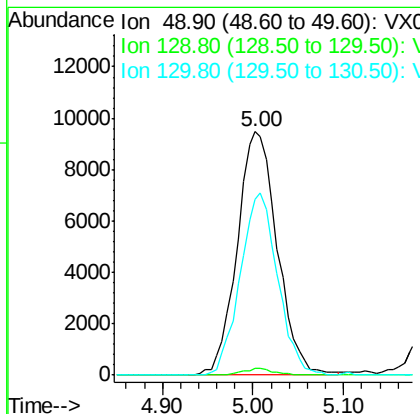
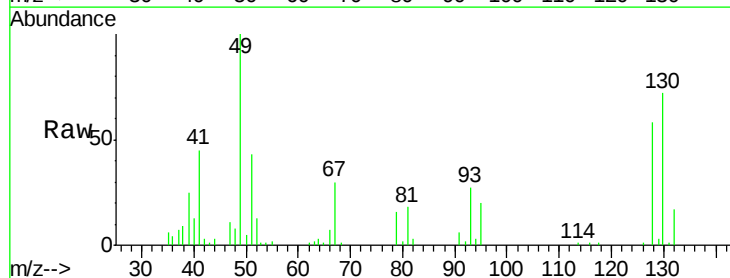
MMDadoda
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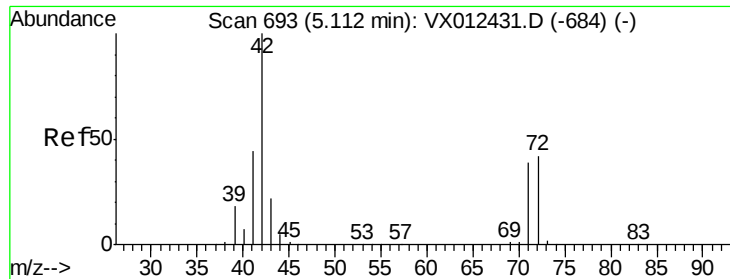


#28

Bromochloromethane
Concen: 19.936 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	69.8	58.2	87.4





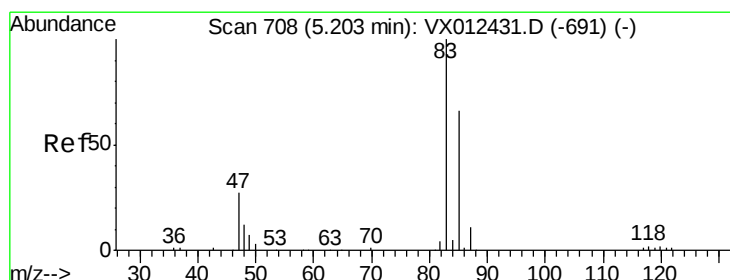
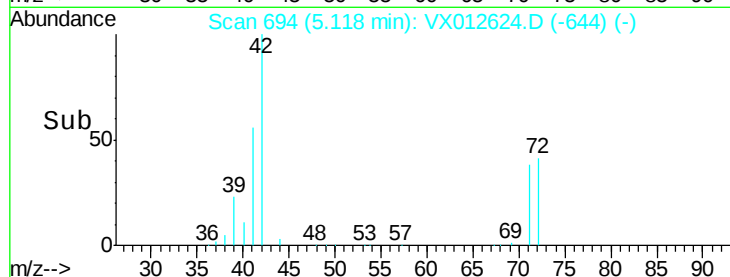
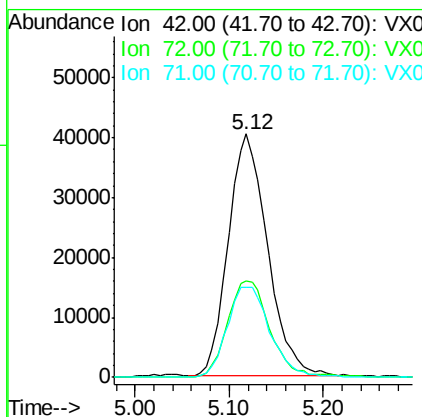
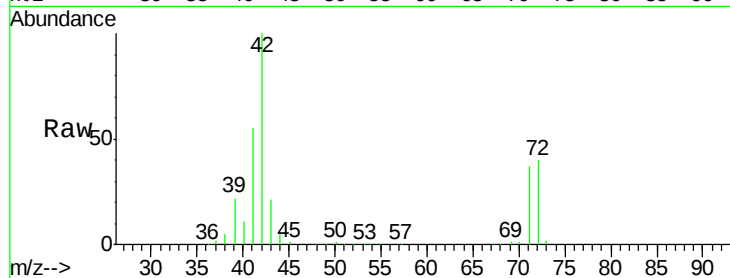
#29
Tetrahydrofuran
Concen: 97.629 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.0	51.0
71	40.7	31.5	47.3

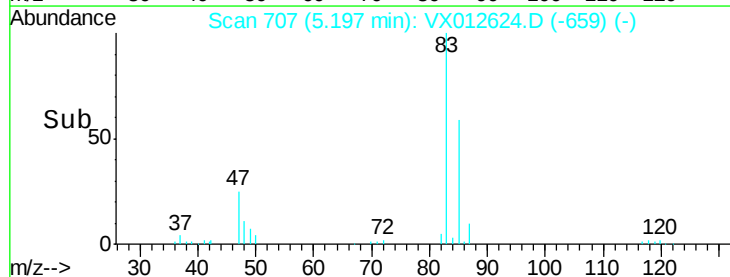
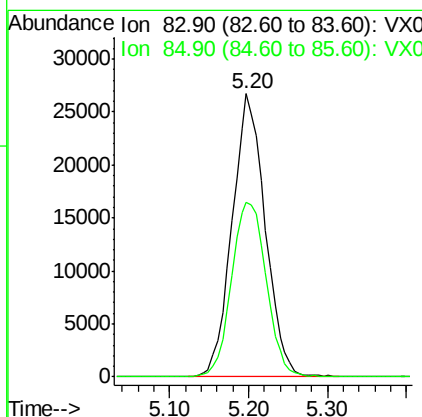
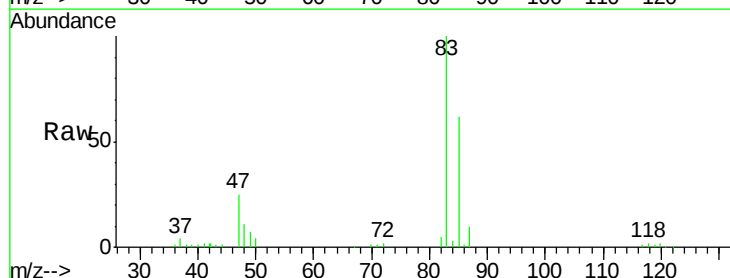
Manual Integrations
APPROVED

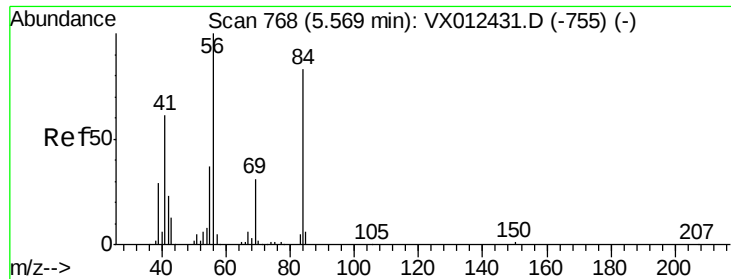
MMDadoda
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#30
Chloroform
Concen: 19.042 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	53.0	79.4





#31

Cyclohexane

Concen: 19.030 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

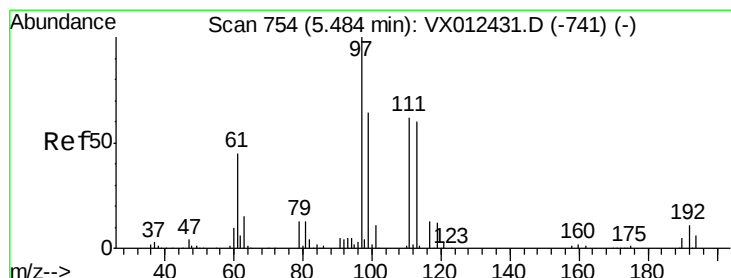
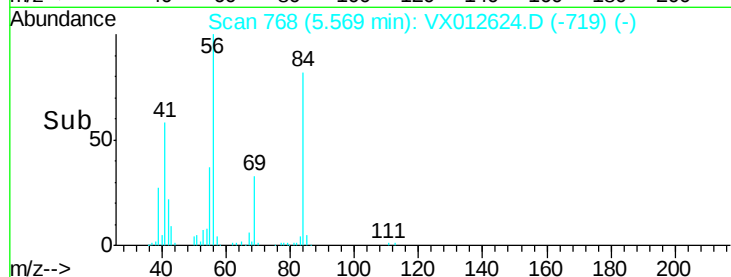
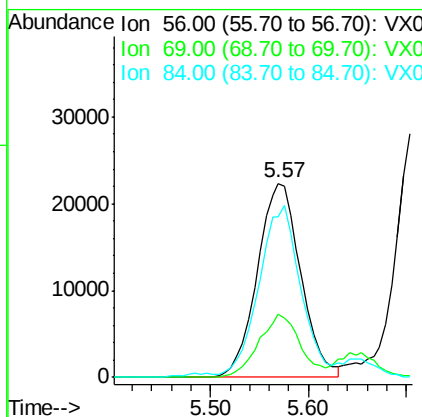
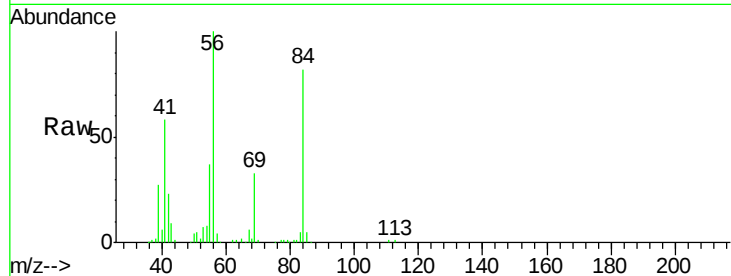
ClientSampleId :

VX0924MBS01

Tot Ion:	56	Resp:	68865
Ion Ratio	Lower	Upper	
56	100		
69	32.6	25.0	37.6
84	81.0	66.4	99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.648 ug/l

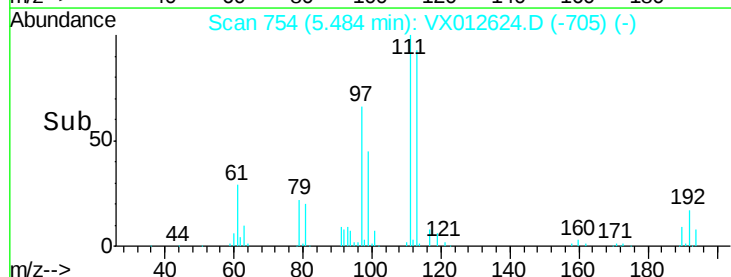
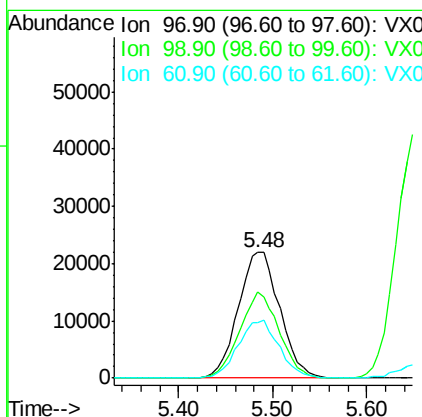
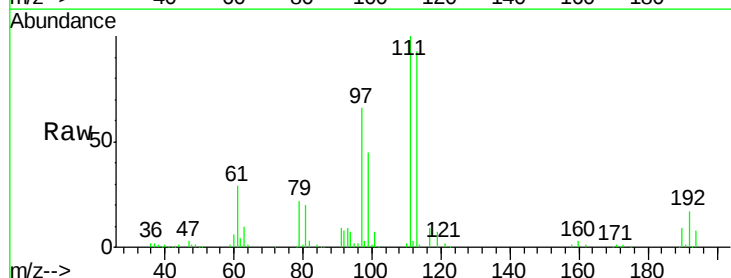
RT: 5.48 min Scan# 754

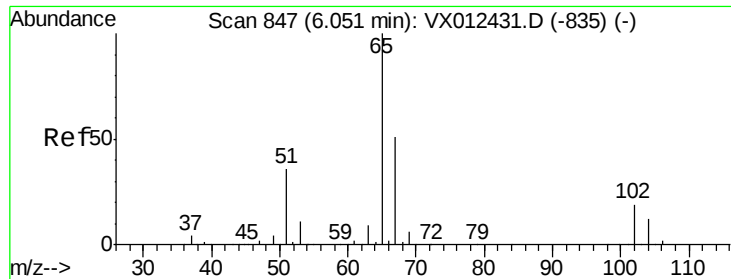
Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	97	Resp:	67639
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.3	76.9
61	45.4	36.1	54.1





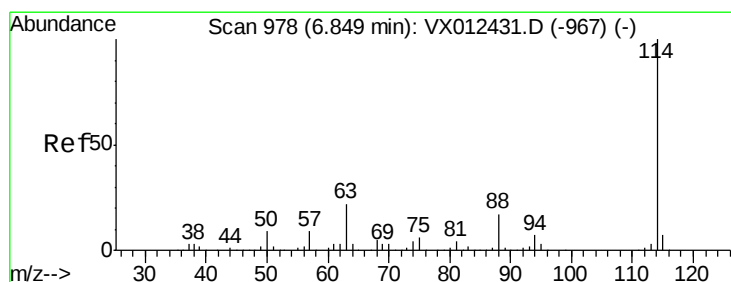
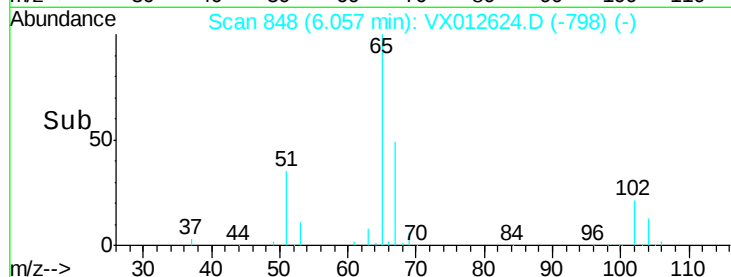
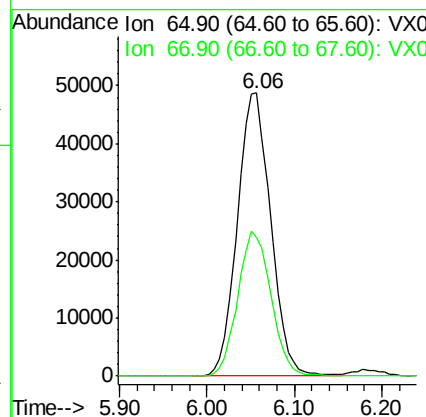
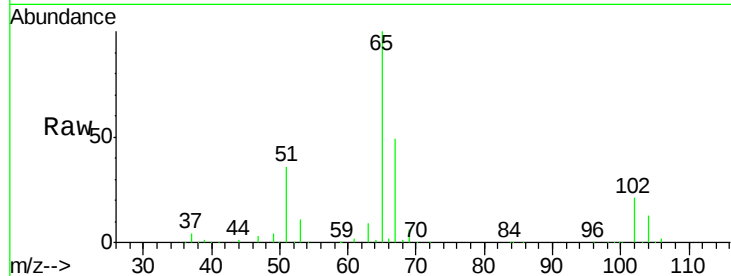
#33
 1,2-Dichloroethane-d4
 Concen: 49.777 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129413		
67	51.3	0.0	101.2	

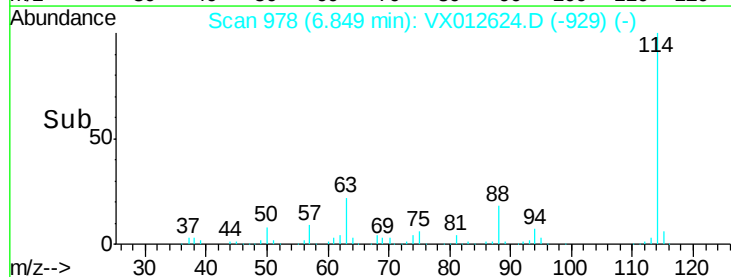
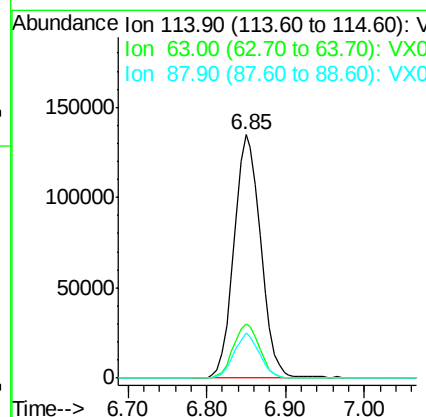
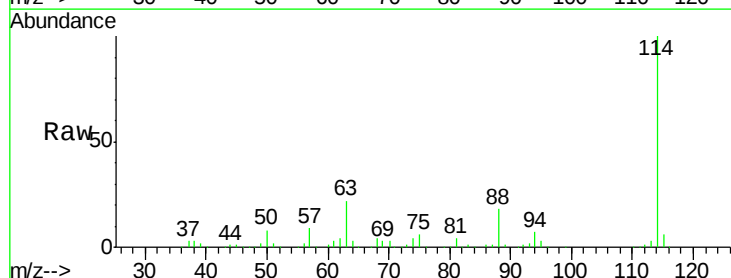
Manual Integrations
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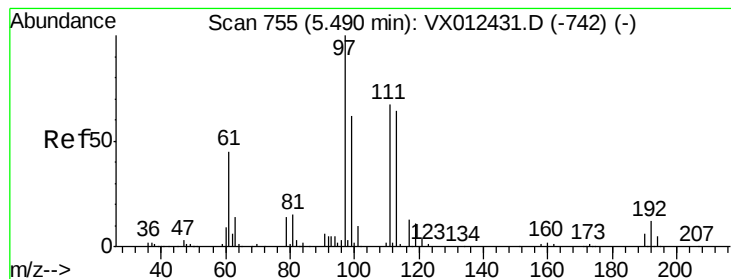
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318176		
63	22.3	0.0	43.2	
88	18.4	0.0	33.2	





#35

Dibromofluoromethane

Concen: 49.444 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

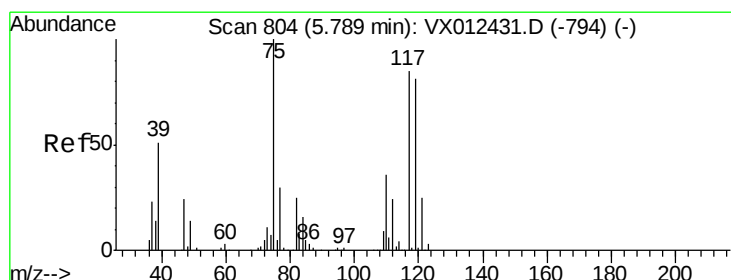
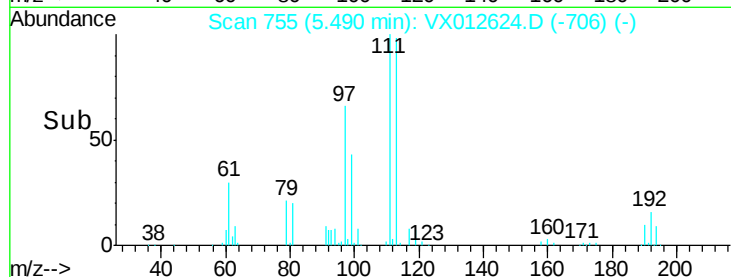
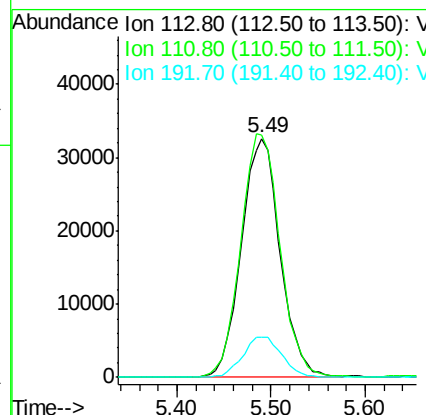
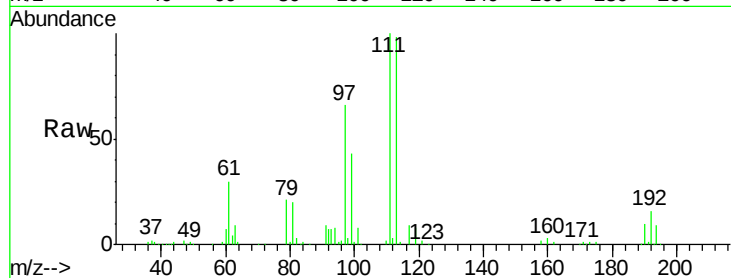
ClientSampleId :

VX0924MBS01

Tot Ion:	113	Resp:	93690
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.2
192	17.2	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.419 ug/l

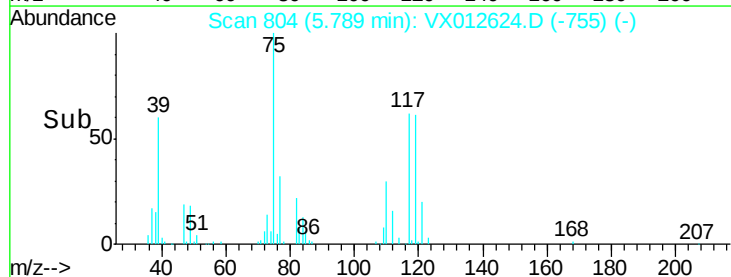
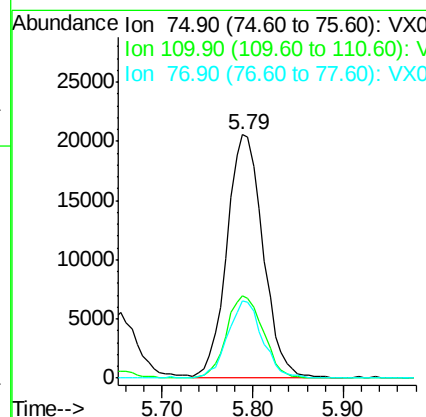
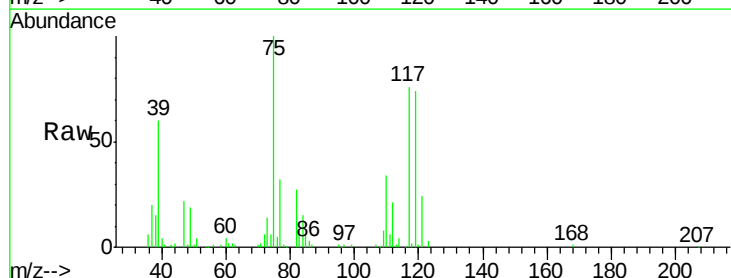
RT: 5.79 min Scan# 804

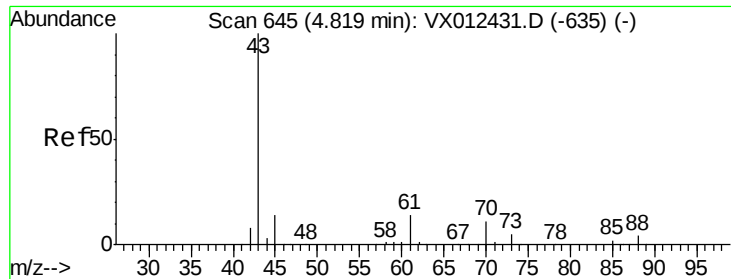
Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	75	Resp:	56489
Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.0
77	30.8	24.2	36.2





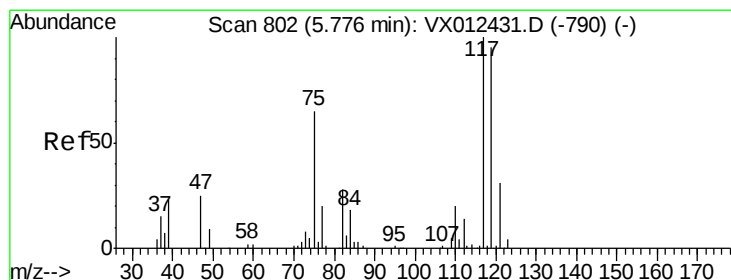
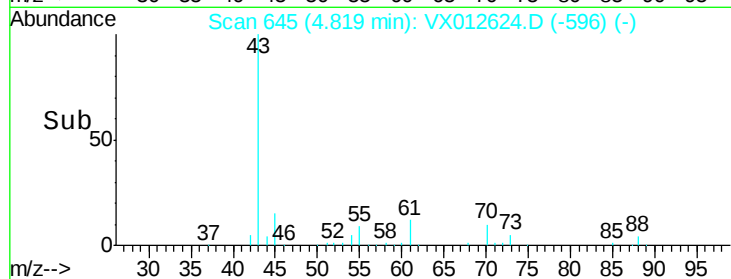
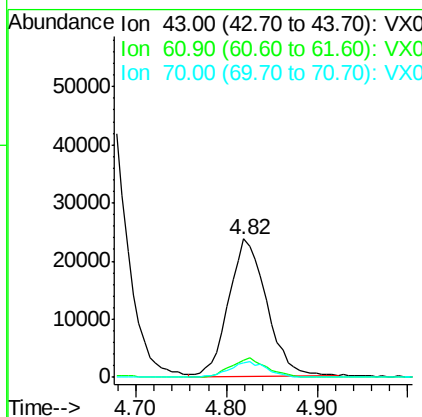
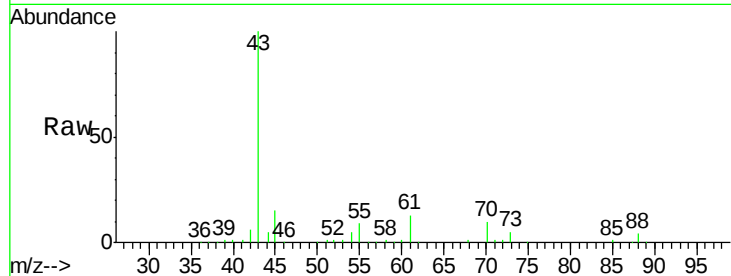
#37
Ethyl Acetate
Concen: 19.131 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.4
70	11.2	8.7	13.1

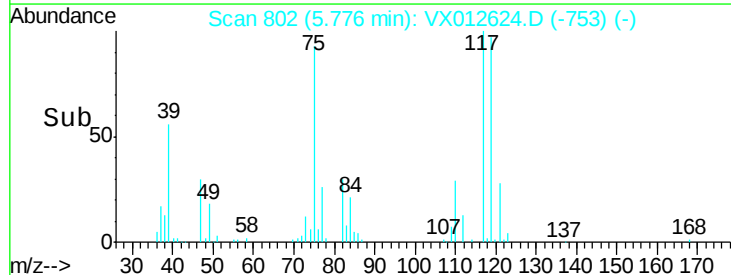
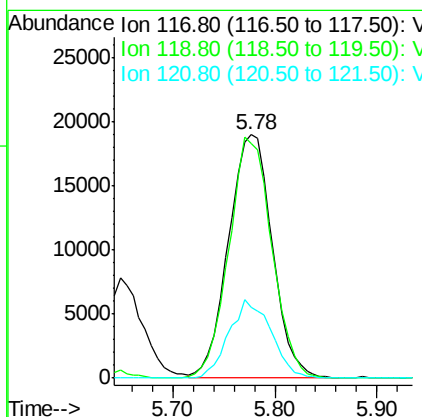
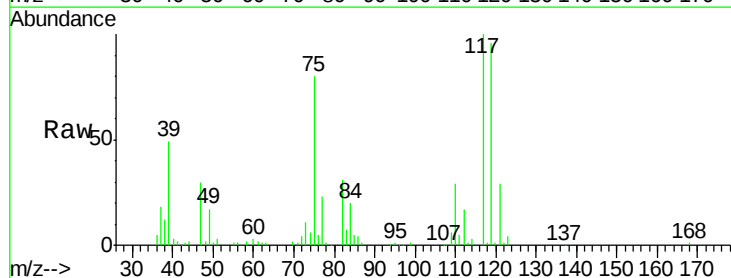
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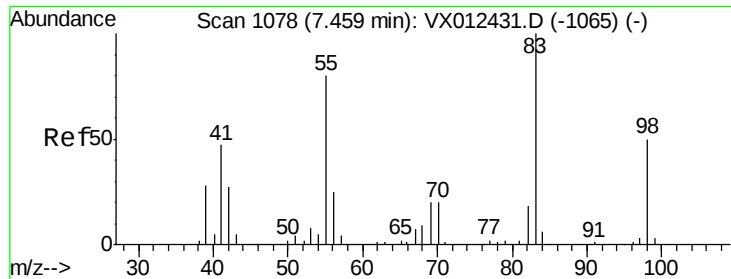
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#38
Carbon Tetrachloride
Concen: 18.183 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.7	113.5
121	29.1	24.2	36.4





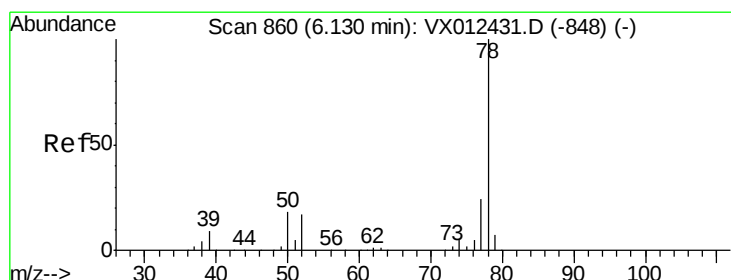
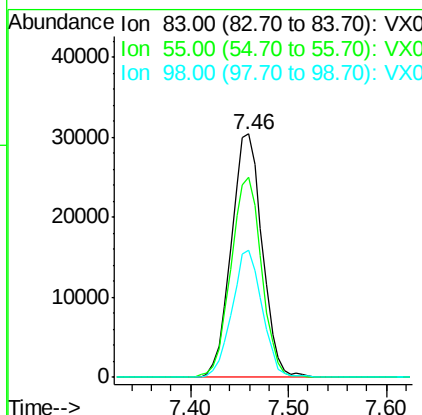
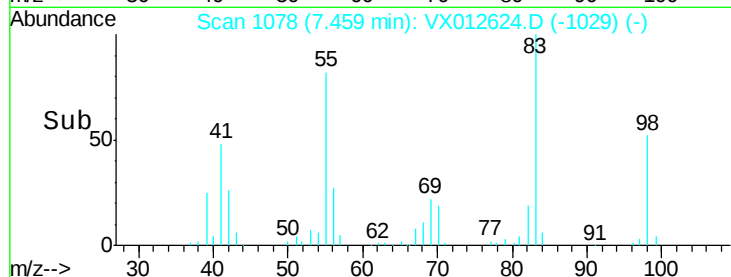
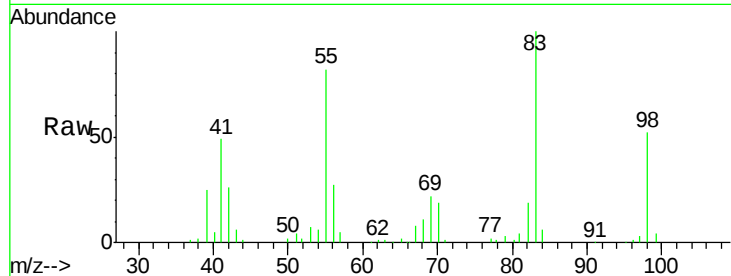
#39
Methvlcvclohexane
Concen: 18.087 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	64.4	96.6
98	52.3	40.1	60.1

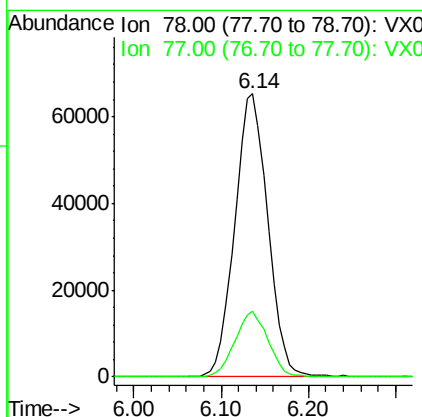
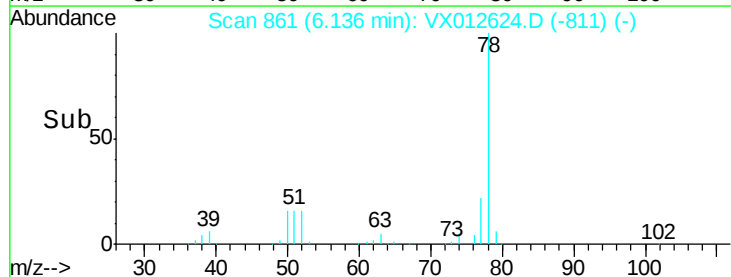
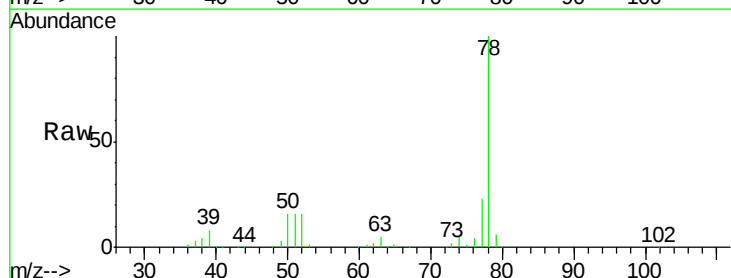
Manual Integrations
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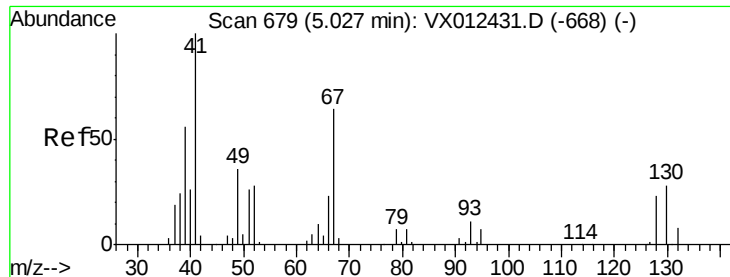
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#40
Benzene
Concen: 18.988 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





#41

Methacrylonitrile

Concen: 18.958 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion: 41 Resp: 38139

Ion Ratio Lower Upper

41 100

39 55.5 46.0 69.0

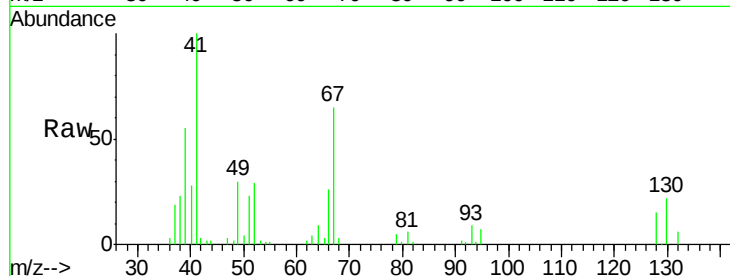
67 68.9 52.2 78.2

52 29.8 22.7 34.1

Manual Integrations
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MMDadoda

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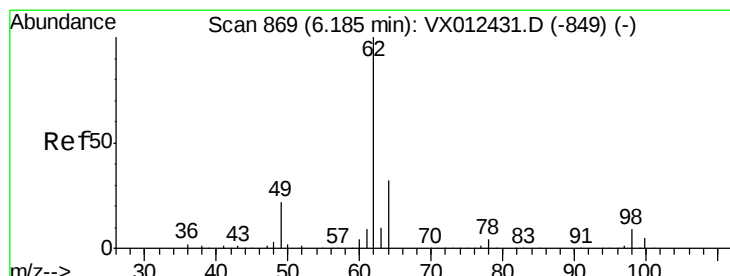
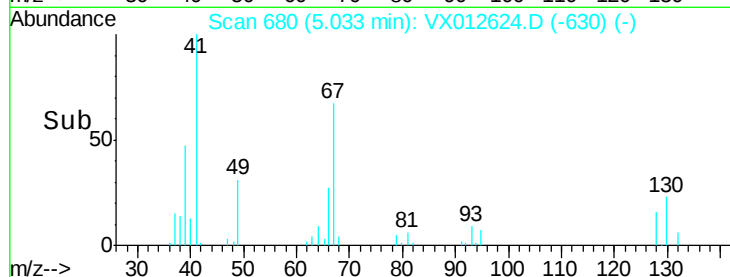
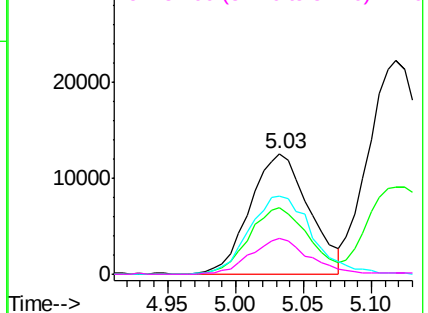


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.316 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012624.D

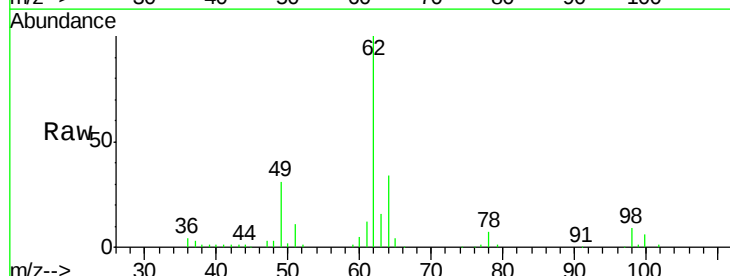
Acq: 24 Sep 2019 11:49

Tgt Ion: 62 Resp: 66190

Ion Ratio Lower Upper

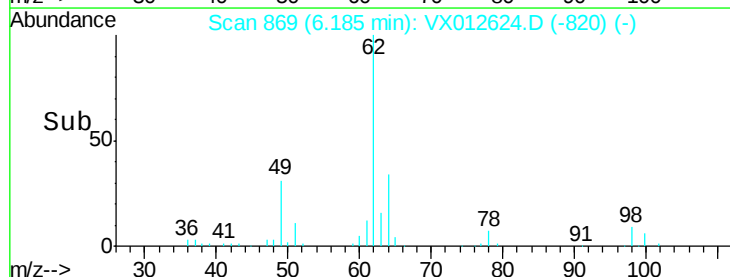
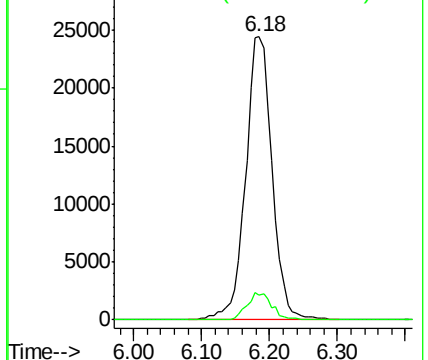
62 100

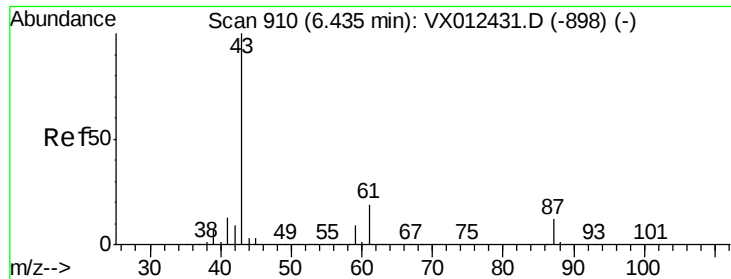
98 9.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.668 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

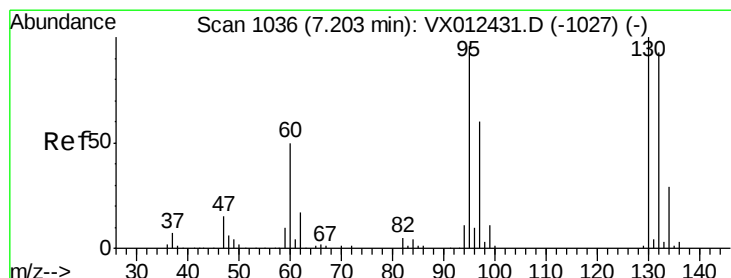
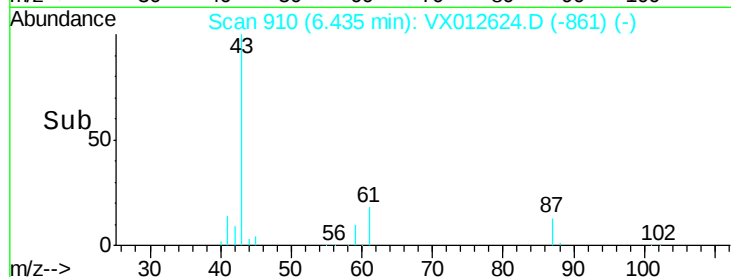
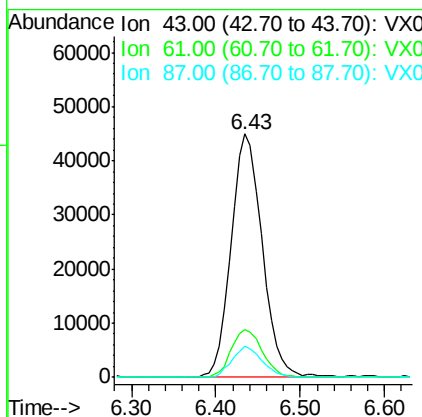
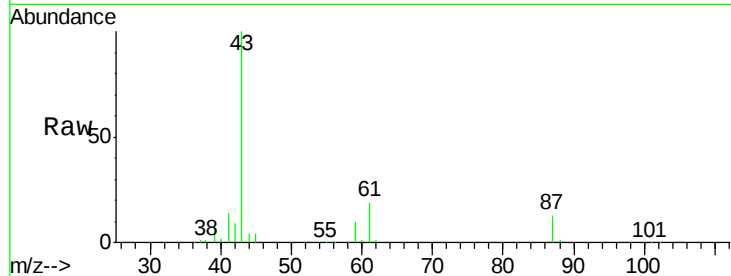
ClientSampleId :

VX0924MBS01

Tot Ion:	43	Resp:	111933
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.4	23.0
87	12.5	9.8	14.8

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#44

Trichloroethene

Concen: 18.448 ug/l

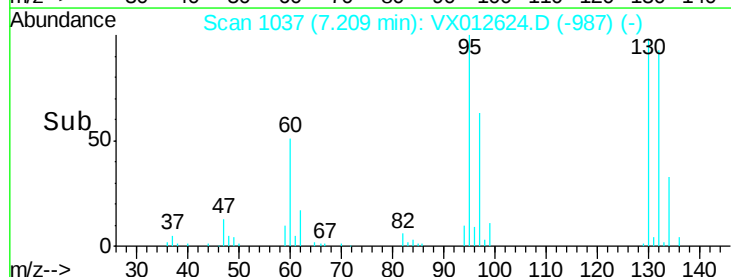
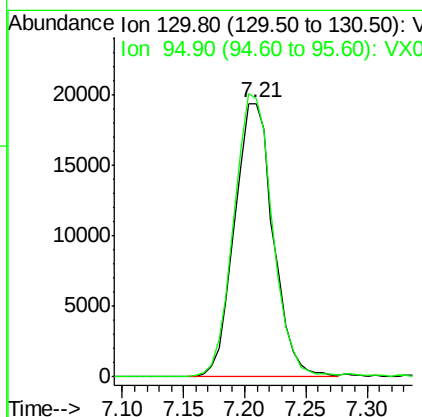
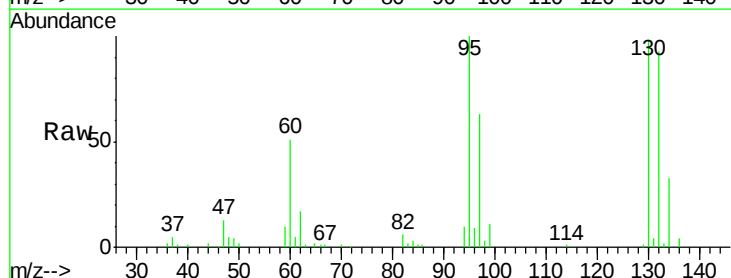
RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	130	Resp:	42557
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	193.0





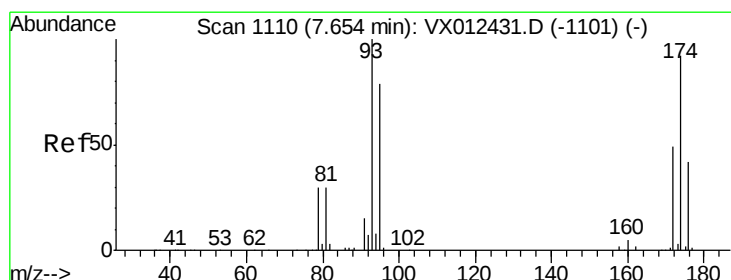
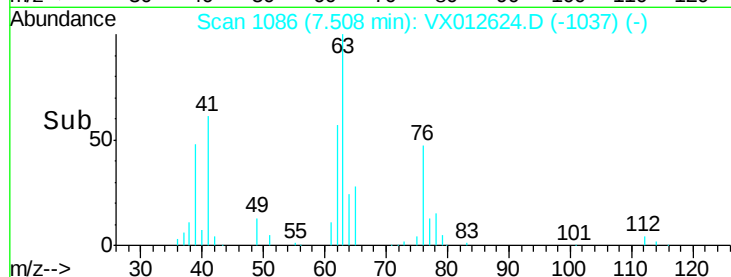
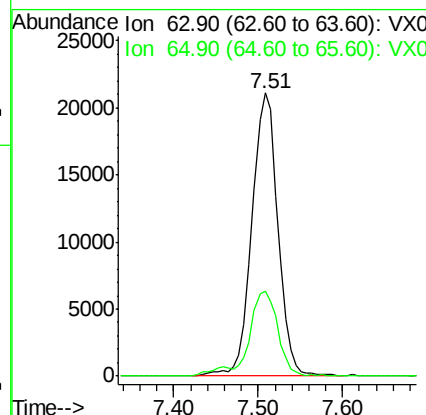
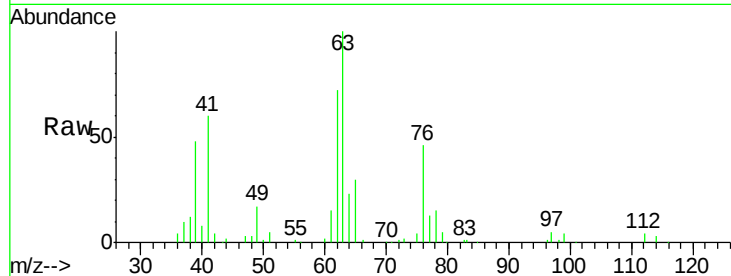
#45
 1,2-Dichloropropane
 Concen: 19.061 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Tot Ion: 63 Resp: 44035
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

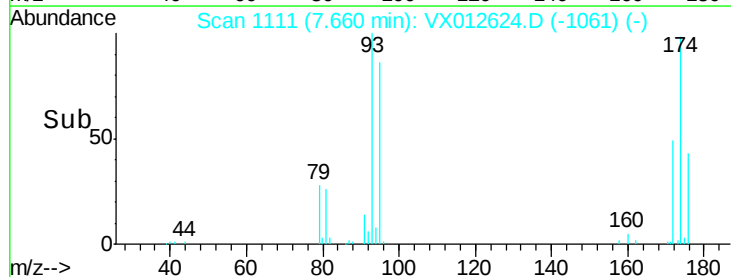
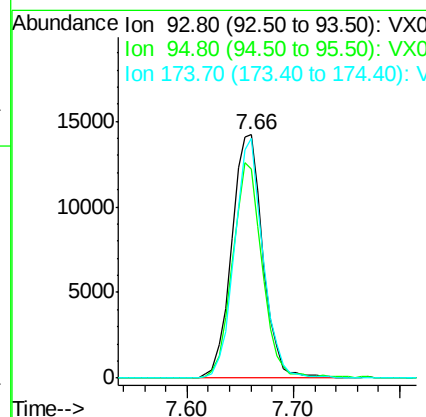
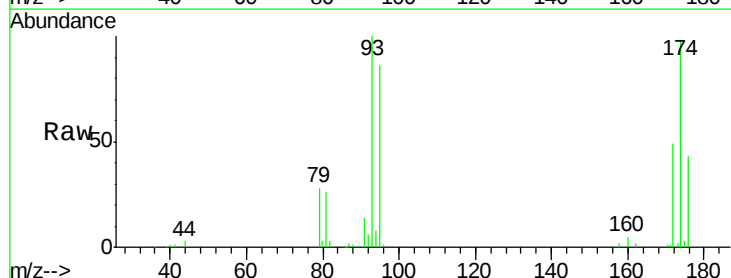
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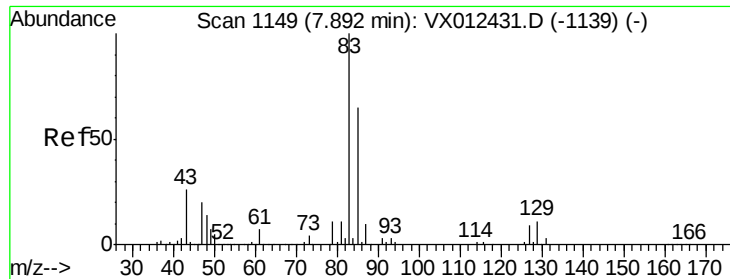
MMDadoda
 9/25/2019 9:29:53 AM



#46
 Dibromomethane
 Concen: 18.526 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion: 93 Resp: 29140
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.6 100.0
 174 90.0 77.4 116.0





#47

Bromodichloromethane

Concen: 18.320 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

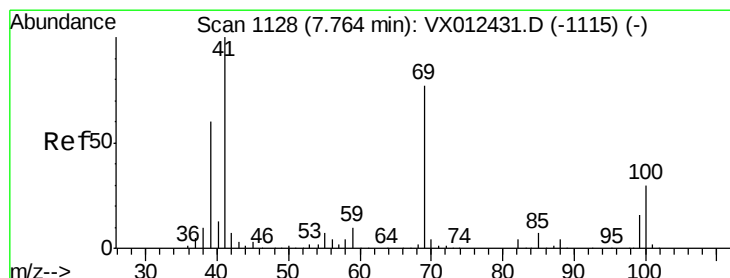
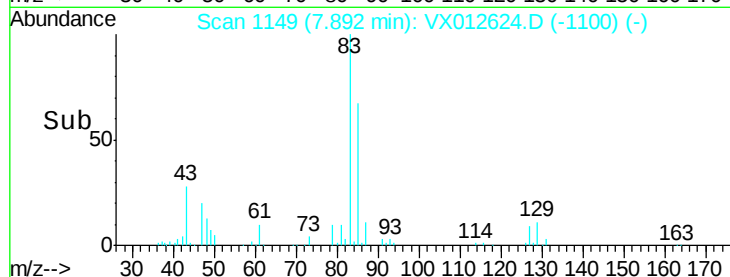
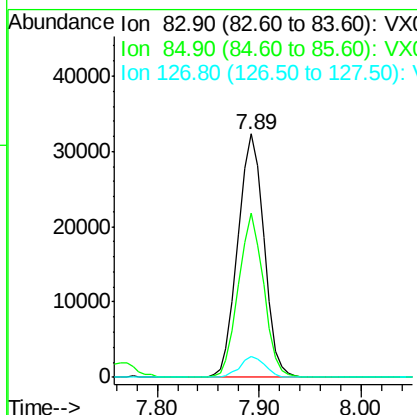
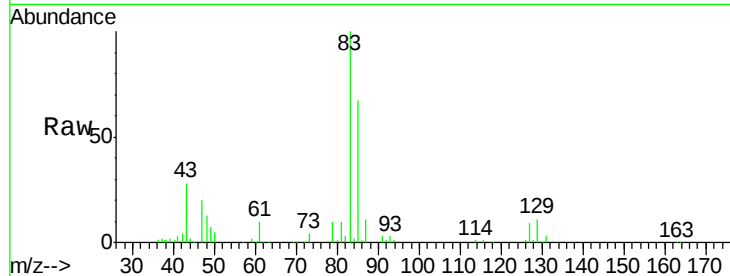
ClientSampleId :

VX0924MBS01

Tot Ion:	83	Resp:	57593
Ion Ratio	Lower	Upper	
83	100		
85	67.4	51.8	77.6
127	8.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.619 ug/l

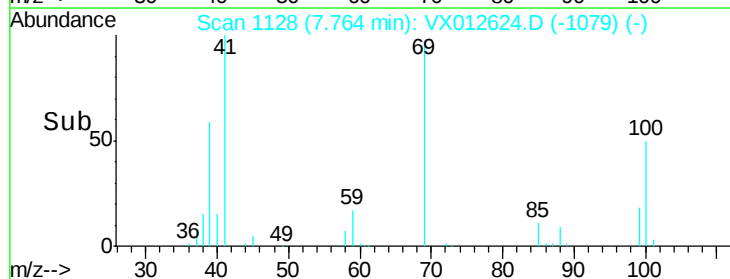
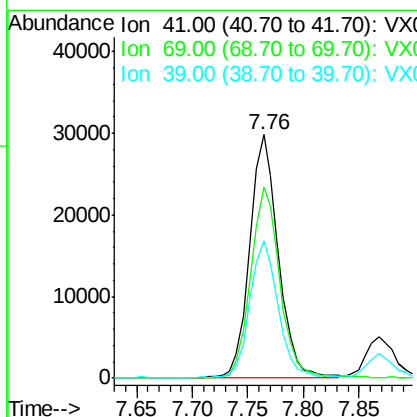
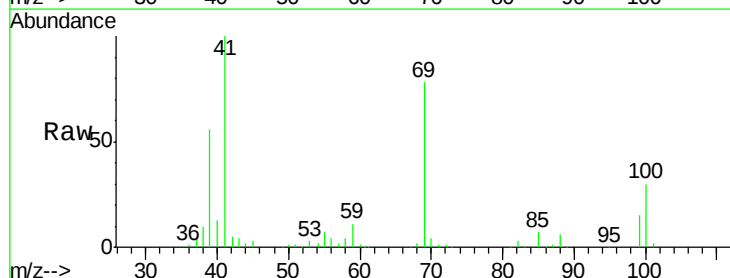
RT: 7.76 min Scan# 1128

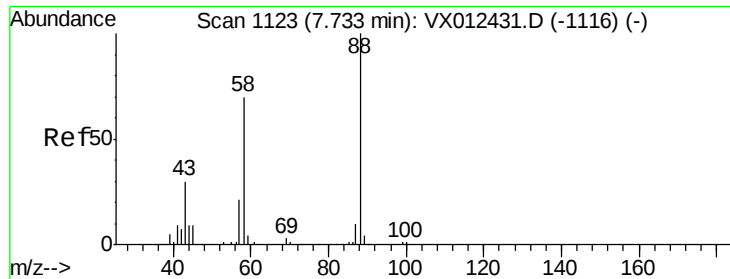
Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	41	Resp:	53530
Ion Ratio	Lower	Upper	
41	100		
69	80.1	59.9	89.9
39	56.2	47.8	71.6





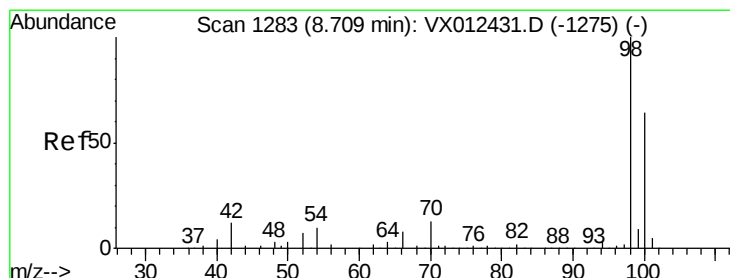
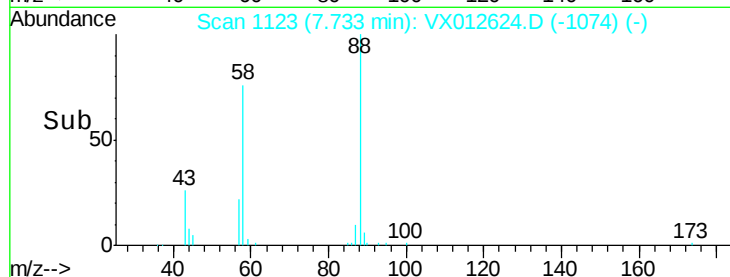
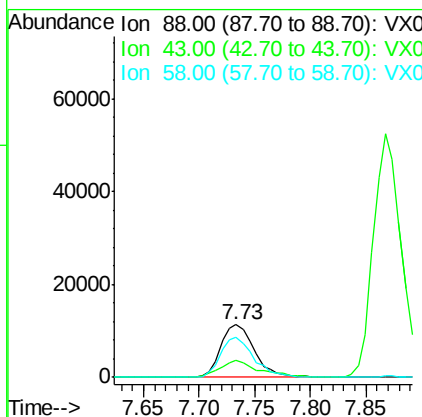
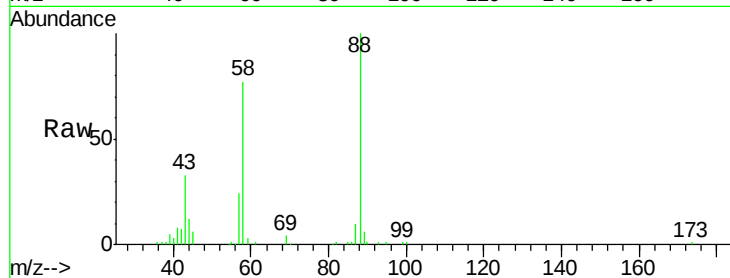
#49
1,4-Dioxane
Concen: 362.280 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	29.4	44.0
58	77.2	57.5	86.3

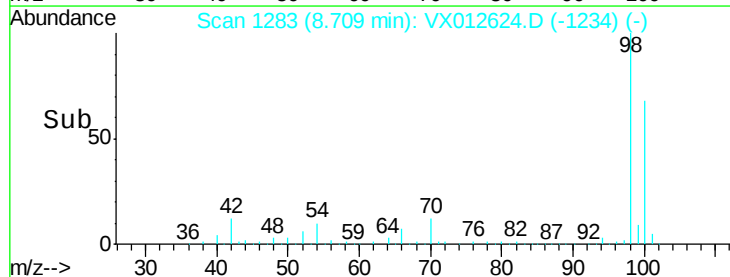
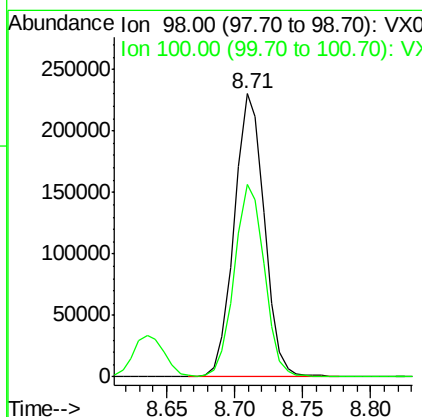
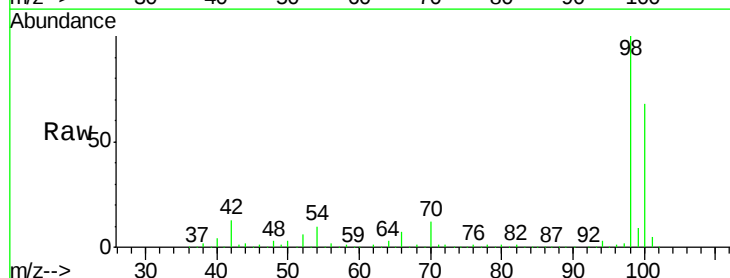
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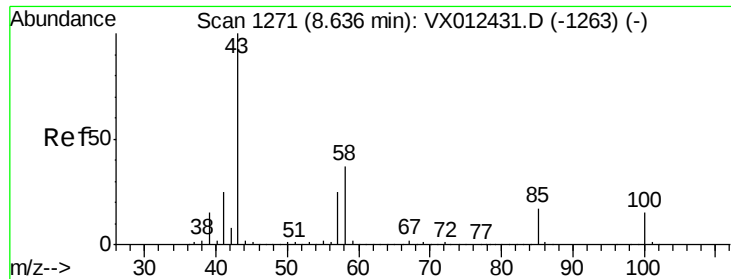
MMDadoda
9/25/2019 9:29:53 AM



#50
Toluene-d8
Concen: 48.632 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 94.487 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampled :

VX0924MBS01

Tot Ion: 43 Resp: 349721

Ion Ratio Lower Upper

43 100

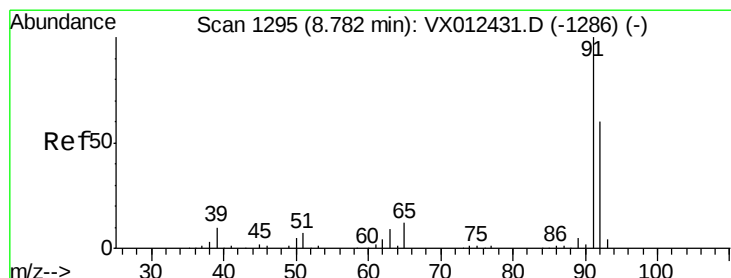
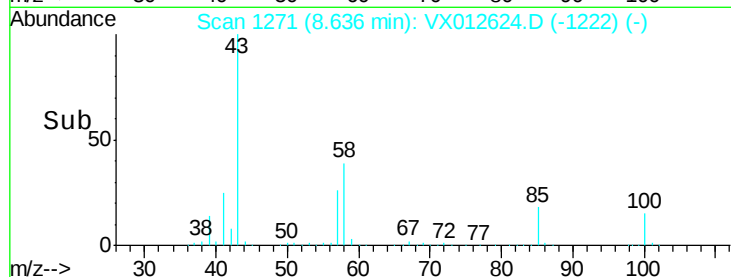
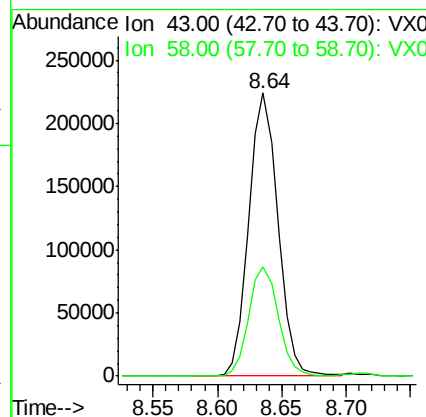
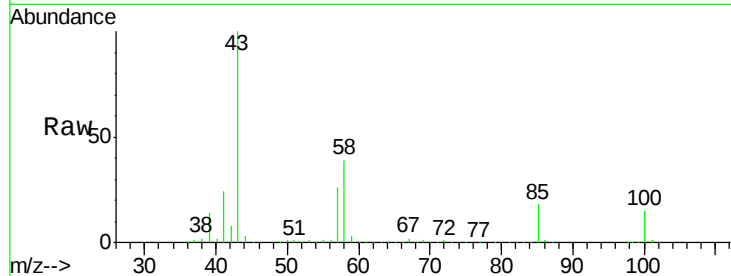
58 39.0 29.8 44.6

Manual Integrations

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9/25/2019 9:29:53 AM



#52

Toluene

Concen: 19.114 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012624.D

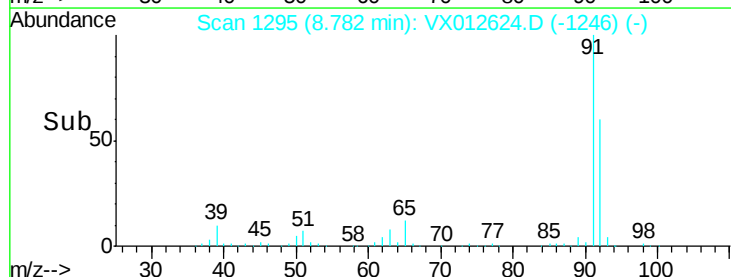
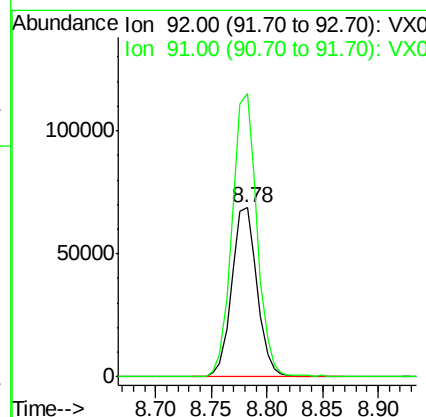
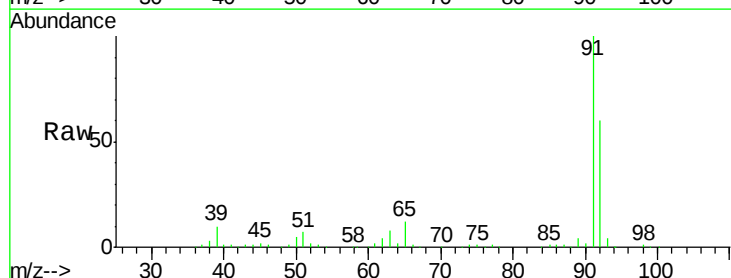
Acq: 24 Sep 2019 11:49

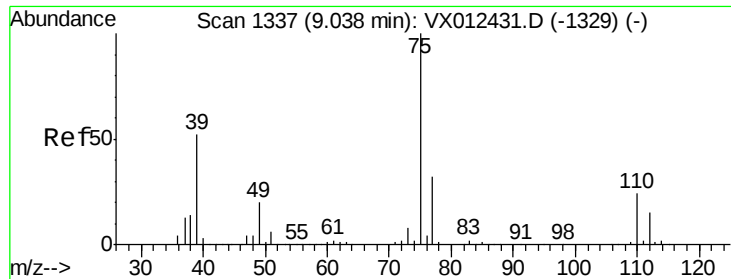
Tgt Ion: 92 Resp: 108402

Ion Ratio Lower Upper

92 100

91 165.5 135.4 203.0





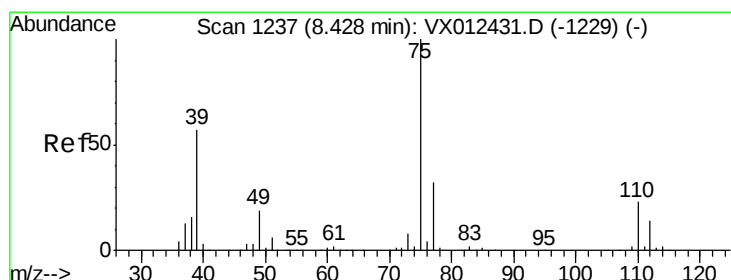
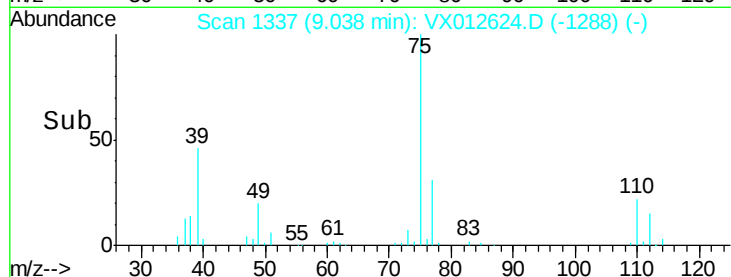
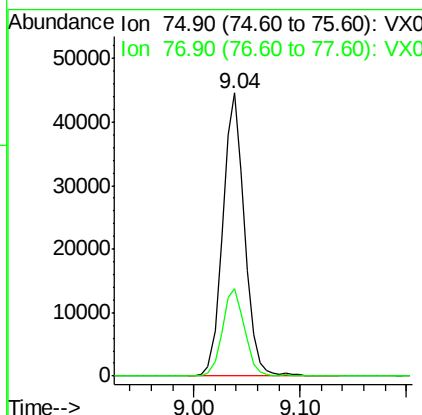
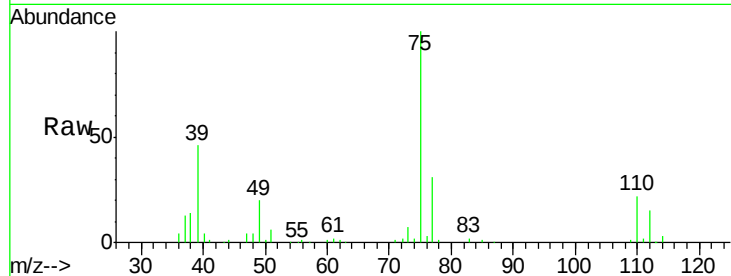
#53
t-1,3-Dichloropropene
Concen: 18.255 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion: 75 Resp: 63496
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8

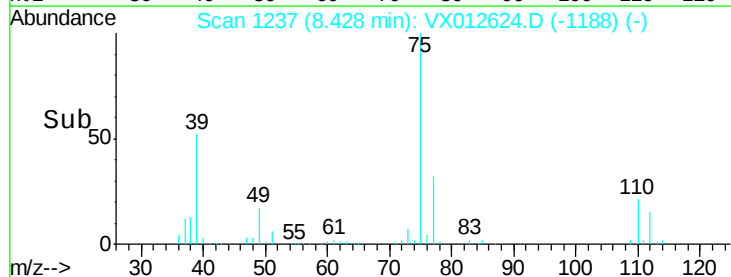
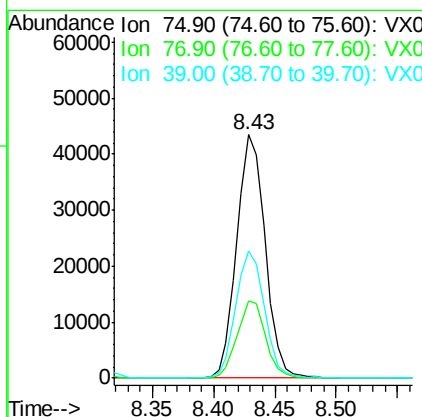
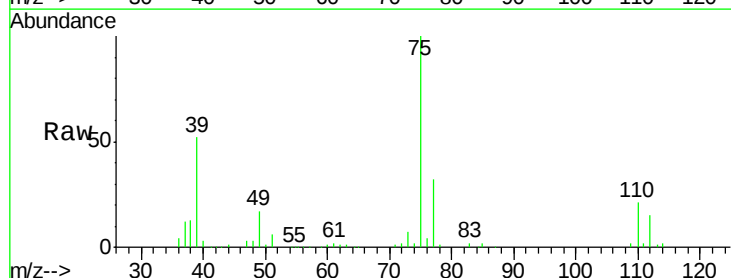
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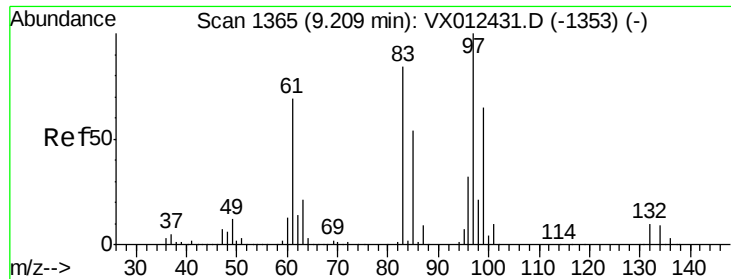
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.473 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion: 75 Resp: 70155
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
39 52.3 45.5 68.3





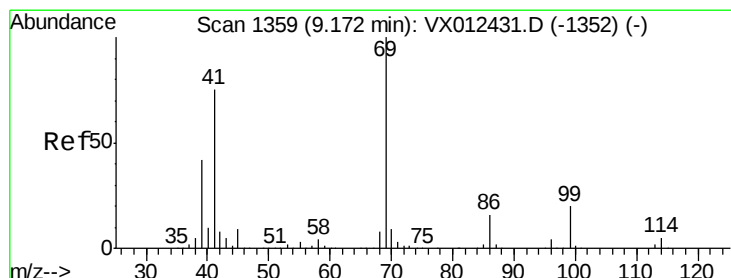
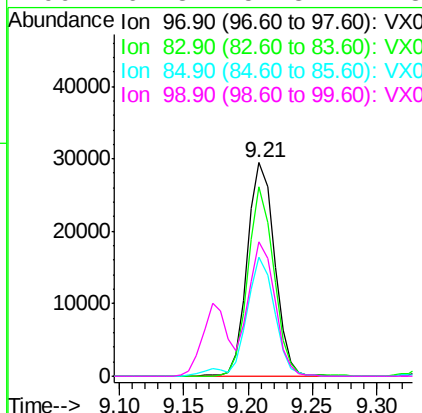
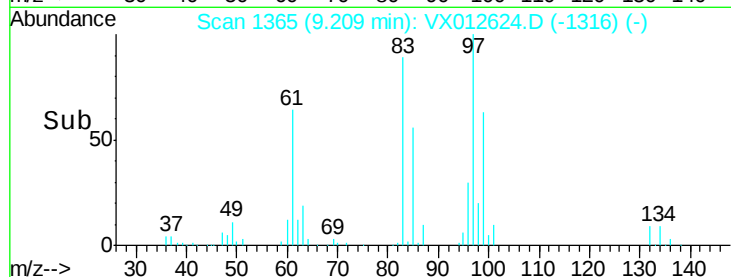
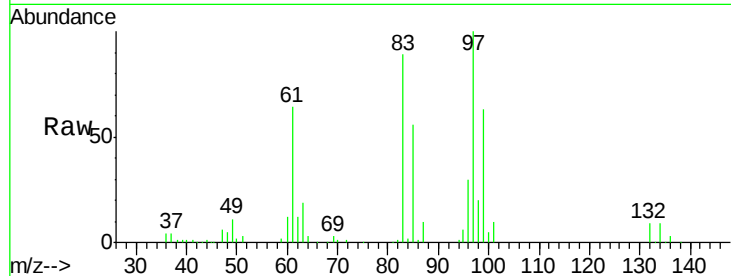
#55
 1,1,2-Trichloroethane
 Concen: 19.147 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Tot Ion:	97	Resp:	43172
Ion	Ratio	Lower	Upper
97	100		
83	88.6	67.4	101.2
85	55.6	43.5	65.3
99	62.8	51.8	77.8

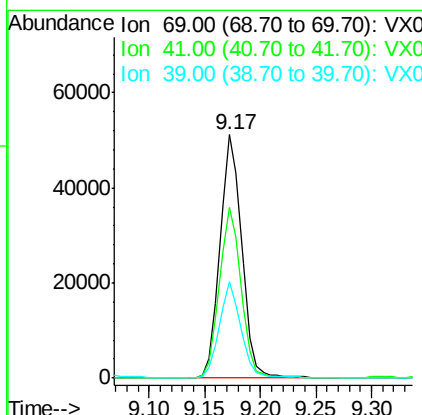
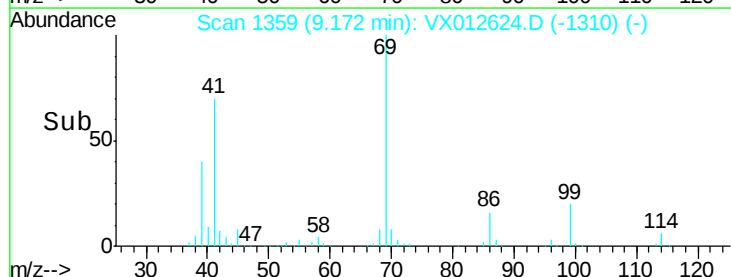
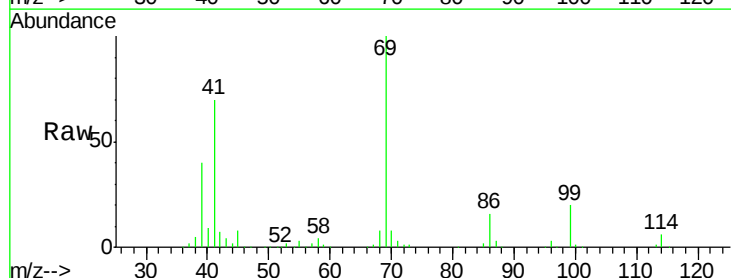
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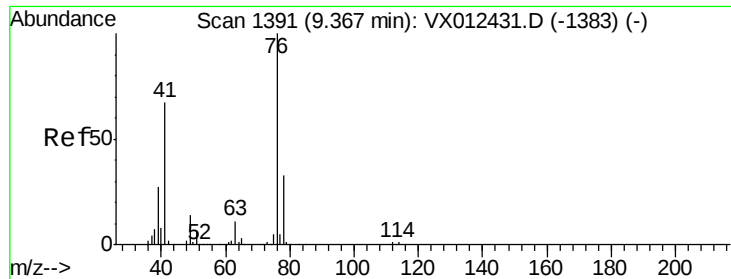
MMDadoda
 9/25/2019 9:29:53 AM



#56
 Ethyl methacrylate
 Concen: 18.414 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion:	69	Resp:	69753
Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.4	87.6
39	38.7	33.4	50.0





#57

1,3-Dichloropropane

Concen: 19.149 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion: 76 Resp: 75565

Ion Ratio Lower Upper

76 100

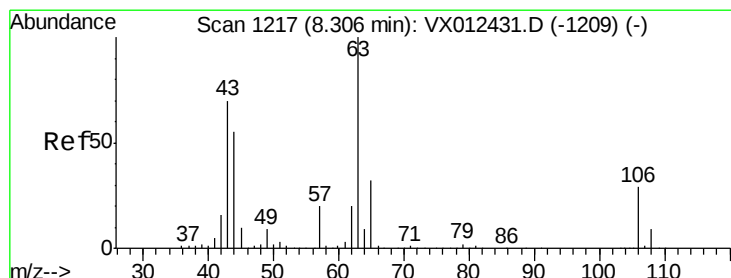
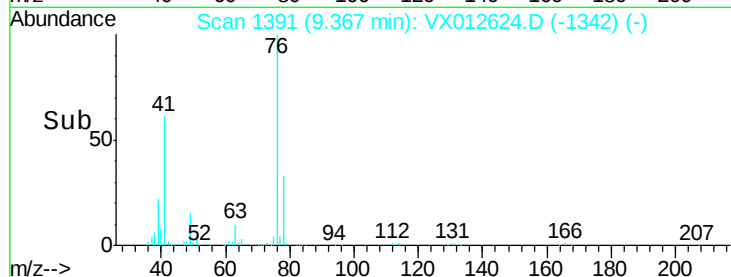
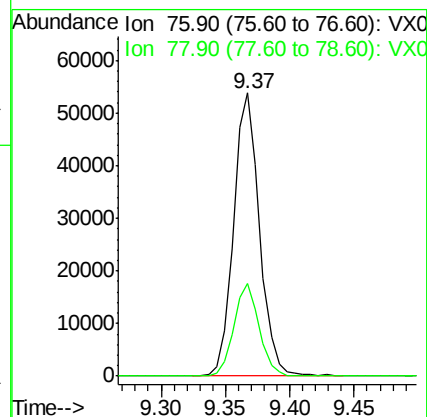
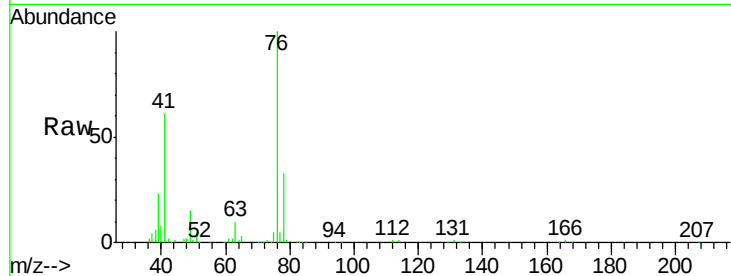
78 32.0 26.2 39.2

Manual Integrations

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MMDadoda

9/25/2019 9:29:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.232 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012624.D

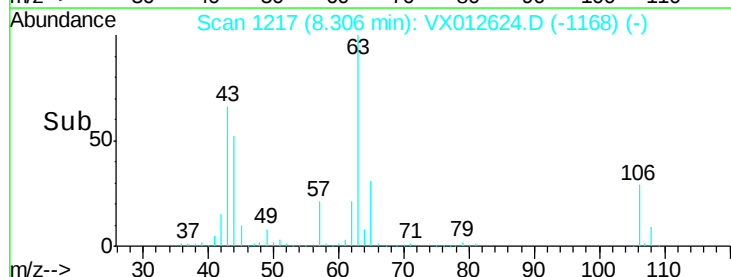
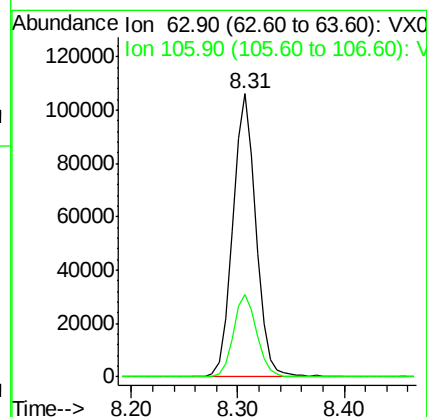
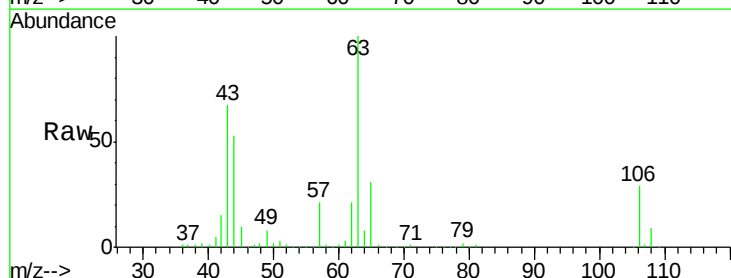
Acq: 24 Sep 2019 11:49

Tgt Ion: 63 Resp: 161928

Ion Ratio Lower Upper

63 100

106 29.3 23.8 35.6





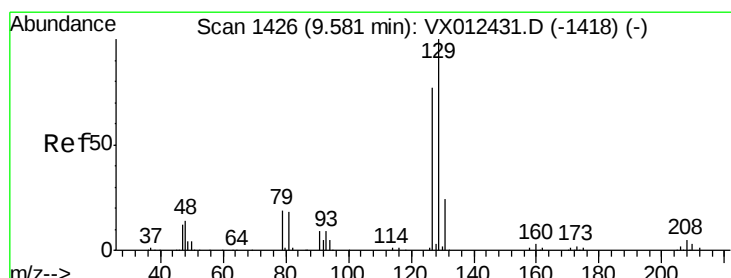
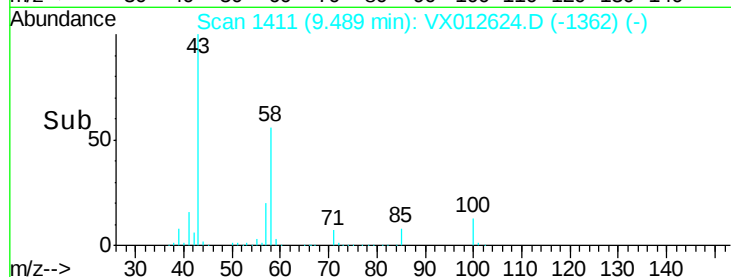
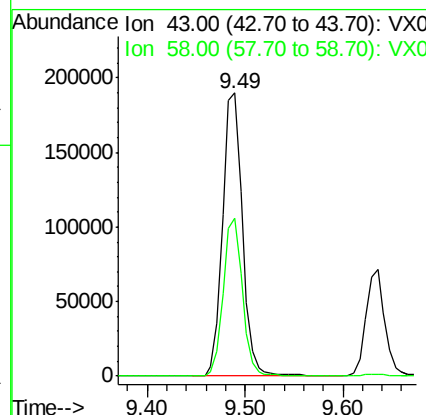
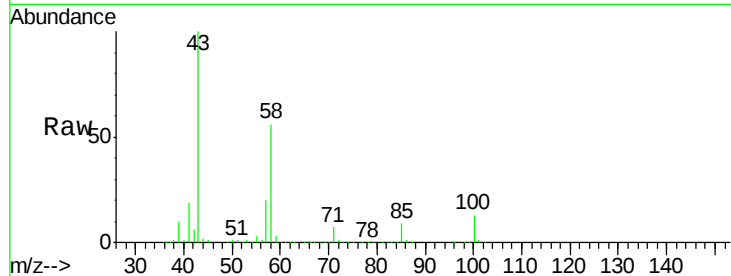
#59
2-Hexanone
Concen: 94.829 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion: 43 Resp: 268660
Ion Ratio Lower Upper
43 100
58 54.1 25.7 77.1

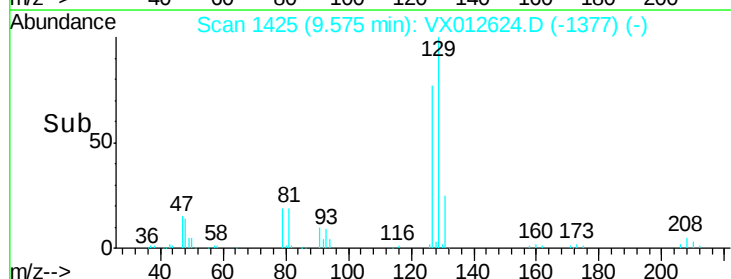
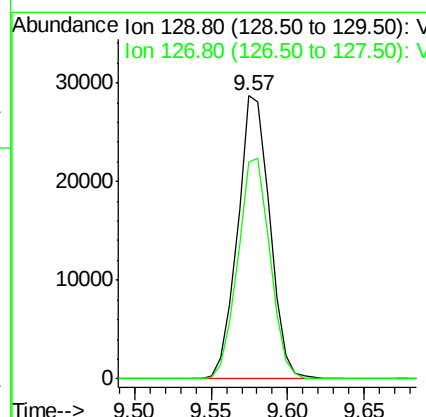
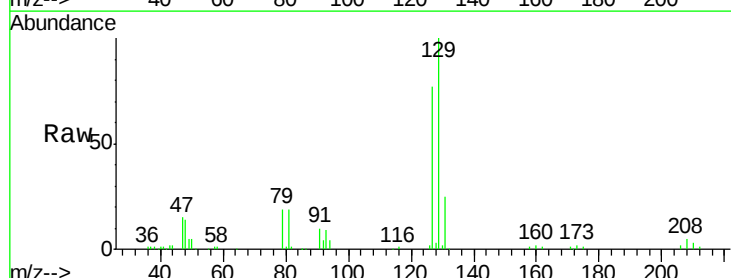
Manual Integrations
APPROVED

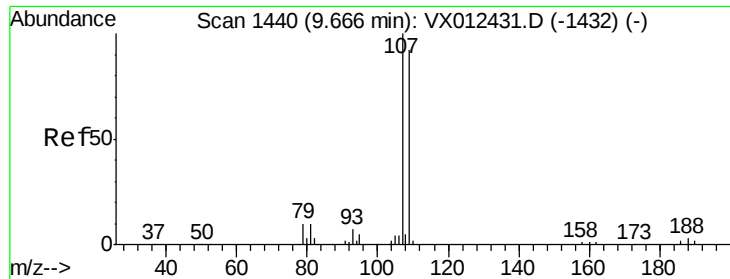
MMDadoda
9/25/2019 9:29:53 AM



#60
Dibromochloromethane
Concen: 18.262 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion: 129 Resp: 41684
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.393 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion:107 Resp: 45508

Ion Ratio Lower Upper

107 100

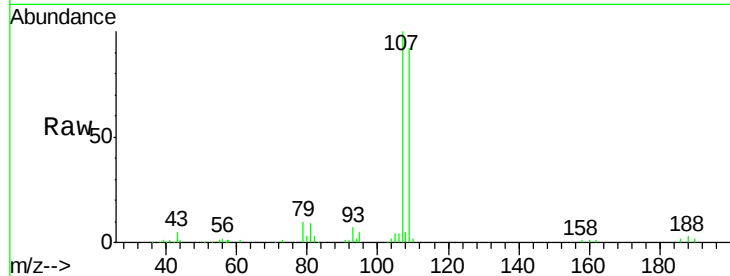
109 91.6 74.7 112.1

Manual Integrations

APPROVED

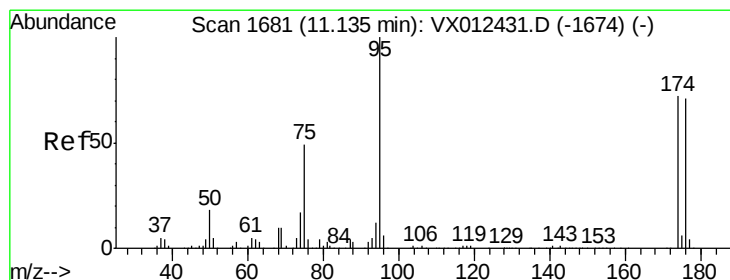
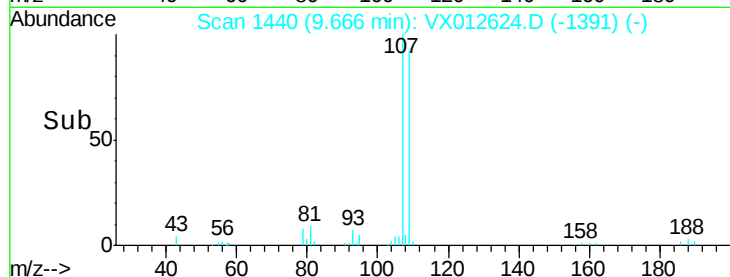
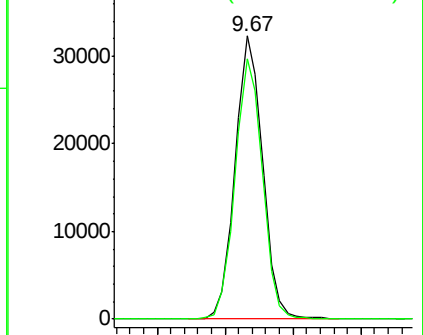
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.091 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

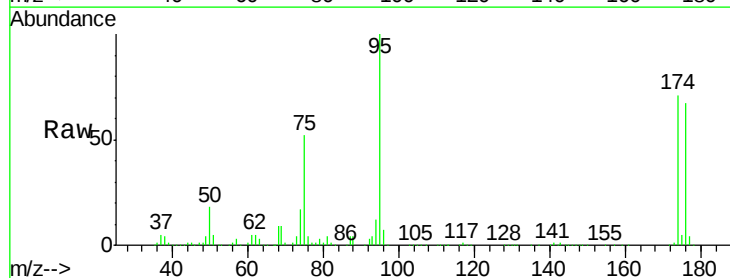
Tgt Ion: 95 Resp: 135120

Ion Ratio Lower Upper

95 100

174 67.6 0.0 140.0

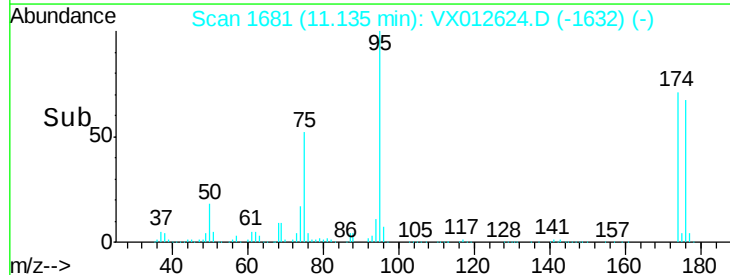
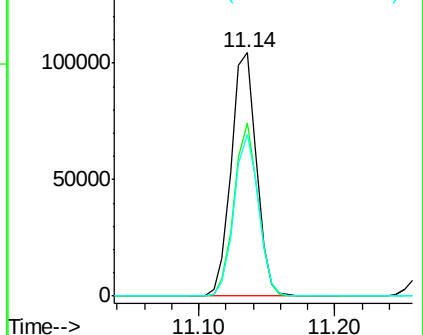
176 64.8 0.0 135.4

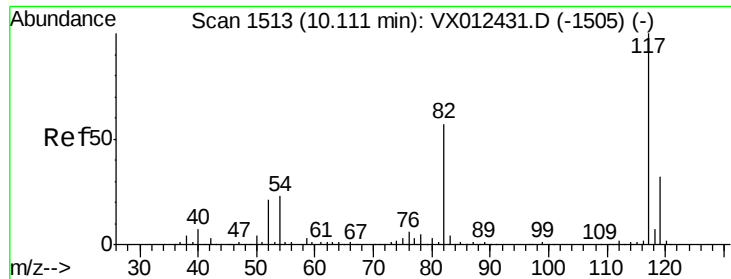


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





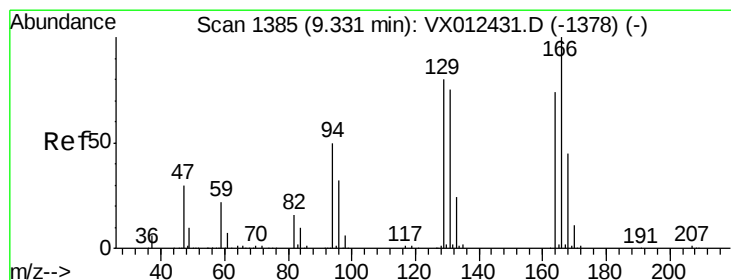
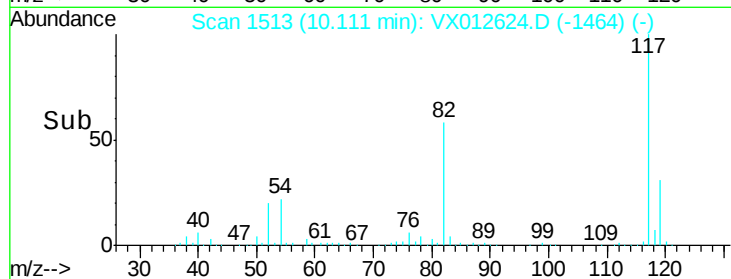
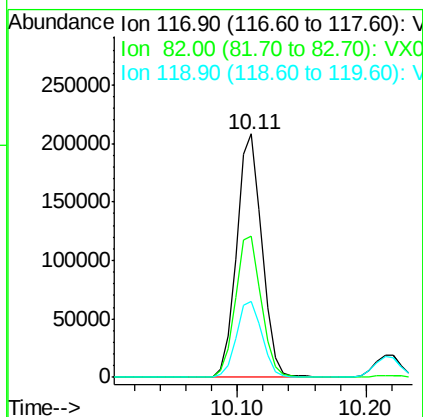
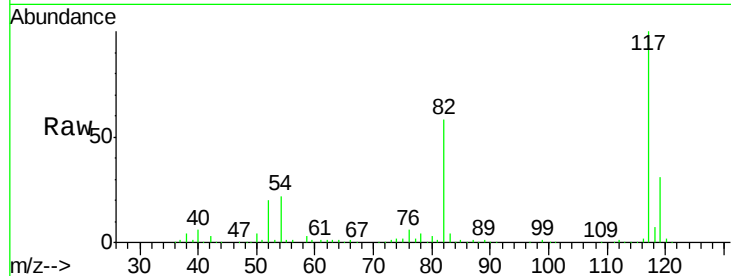
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282404		
82	58.2	45.9	68.9	
119	31.2	25.3	37.9	

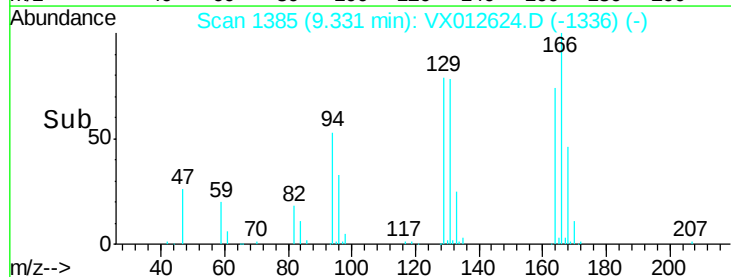
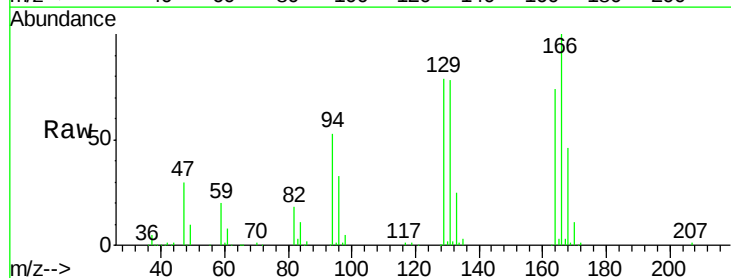
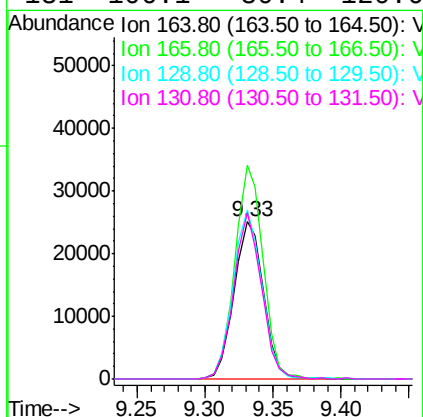
Manual Integrations
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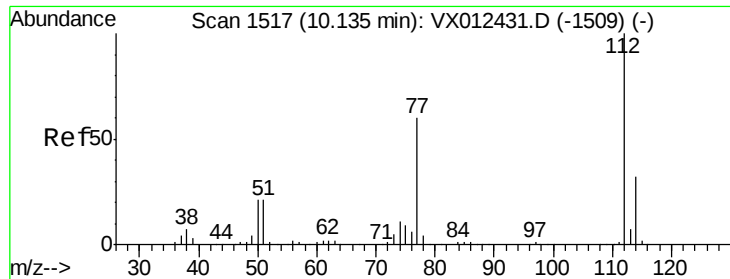
MMDadoda
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#64
Tetrachloroethene
Concen: 19.212 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37827		
166	135.7	107.8	161.6	
129	107.5	86.2	129.2	
131	106.1	80.4	120.6	





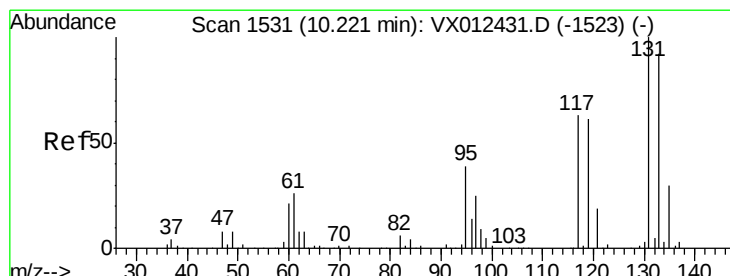
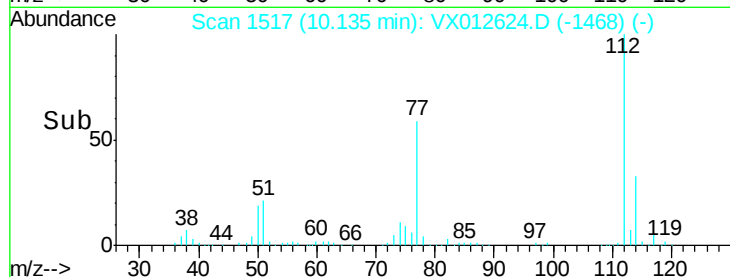
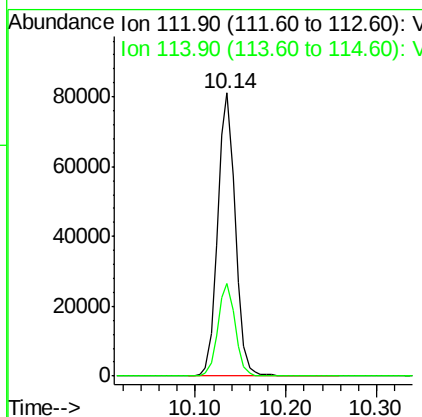
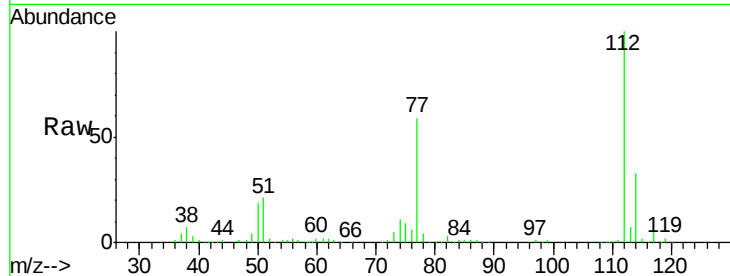
#65
Chlorobenzene
Concen: 18.571 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion:112 Resp: 110440
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0

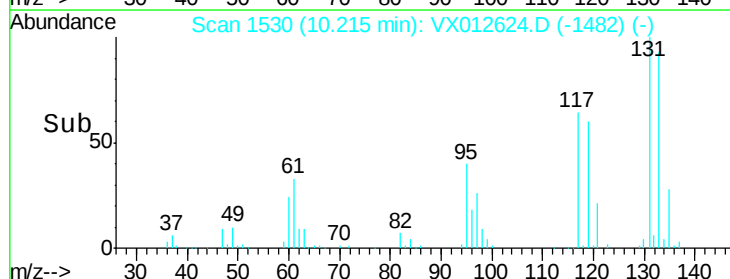
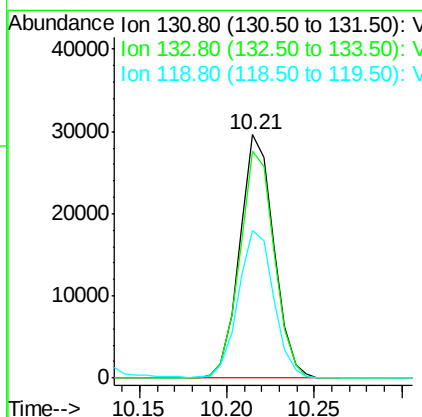
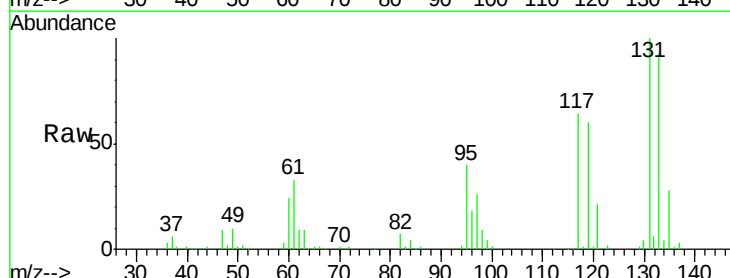
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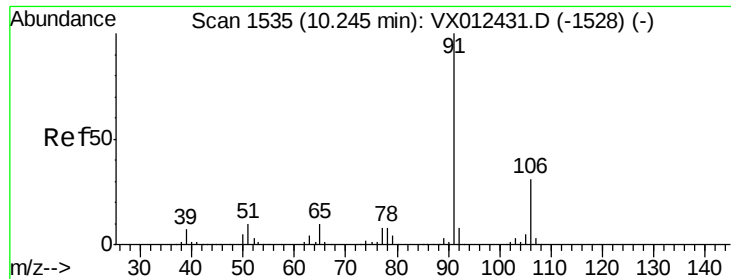
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.591 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion:131 Resp: 40058
Ion Ratio Lower Upper
131 100
133 94.5 47.6 142.9
119 63.3 31.3 93.8





#67

Ethyl Benzene

Concen: 18.654 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampled :

VX0924MBS01

Tot Ion: 91 Resp: 201204

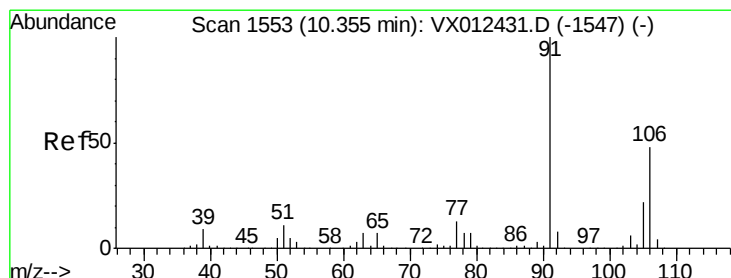
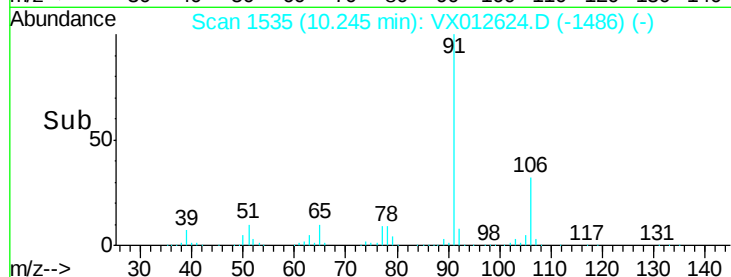
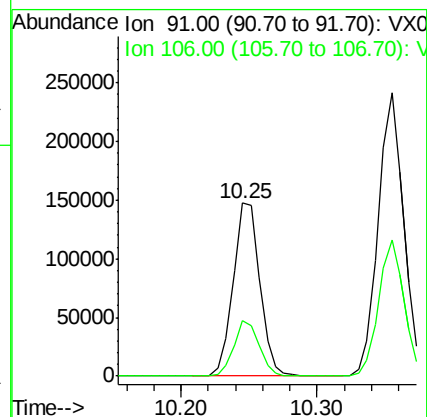
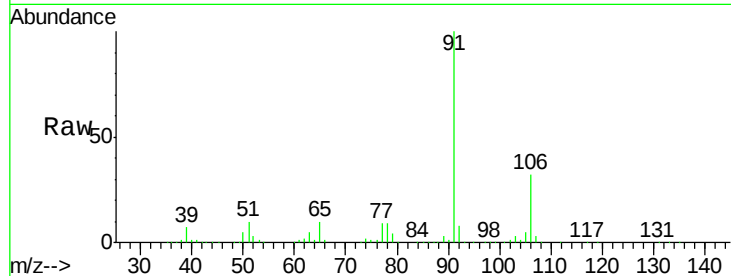
Ion Ratio Lower Upper

91 100

106 31.8 24.6 37.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.339 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012624.D

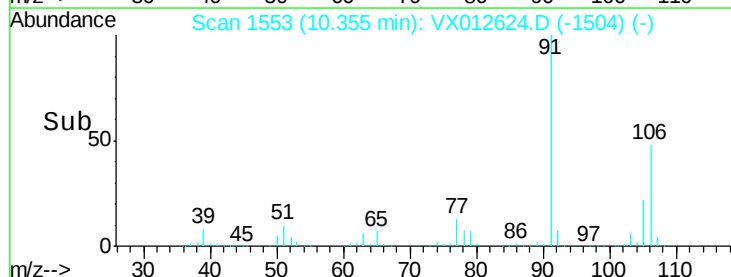
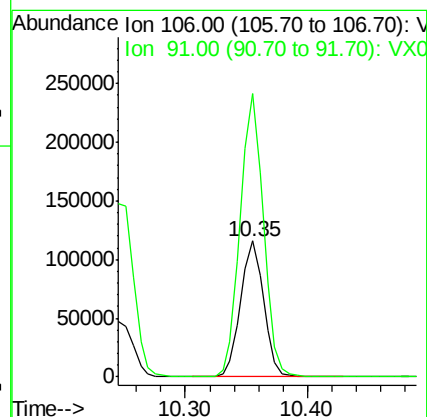
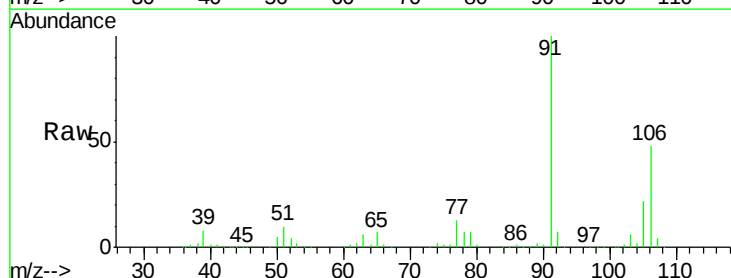
Acq: 24 Sep 2019 11:49

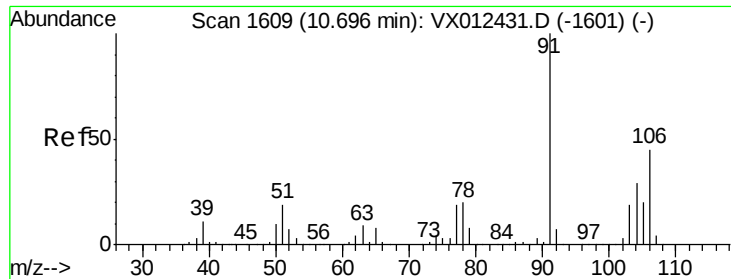
Tgt Ion: 106 Resp: 150865

Ion Ratio Lower Upper

106 100

91 208.9 166.6 250.0





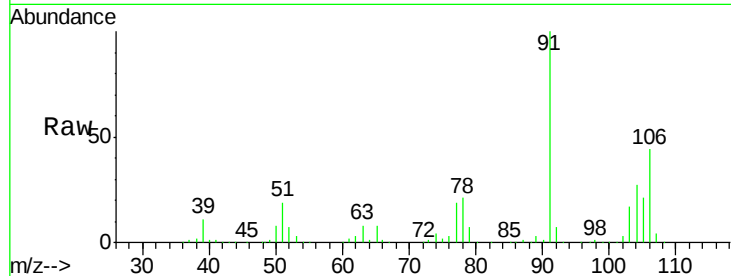
#69
o-Xylene
Concen: 18.584 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

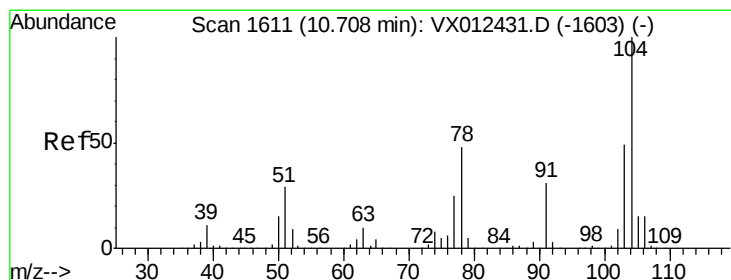
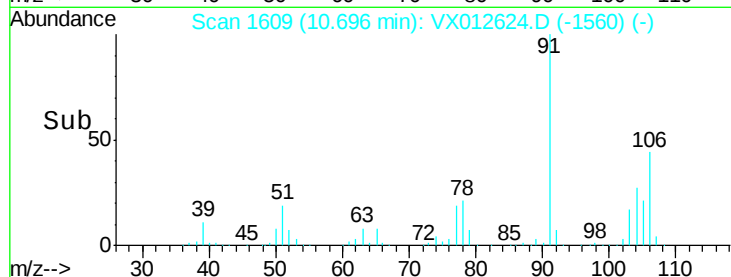
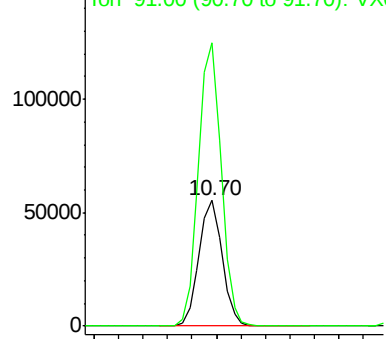
Tot Ion:106 Resp: 72657
Ion Ratio Lower Upper
106 100
91 221.8 109.4 328.2

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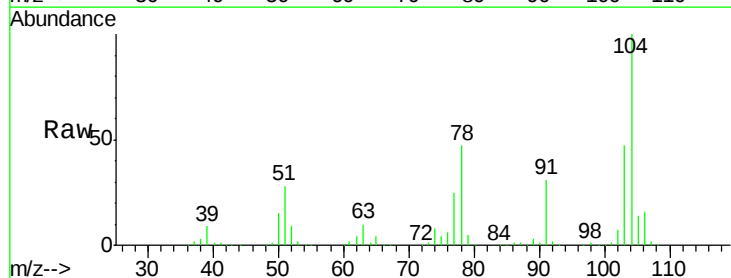


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

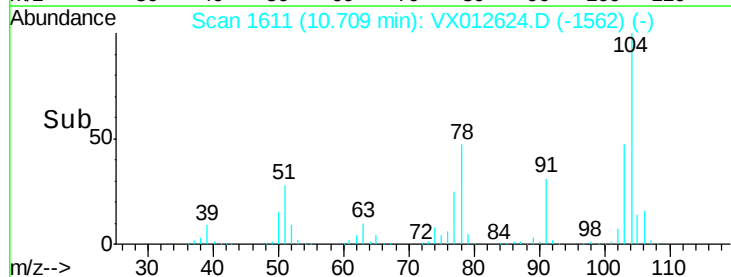
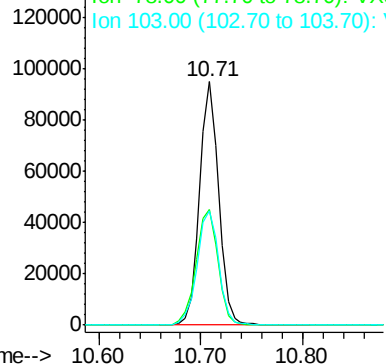


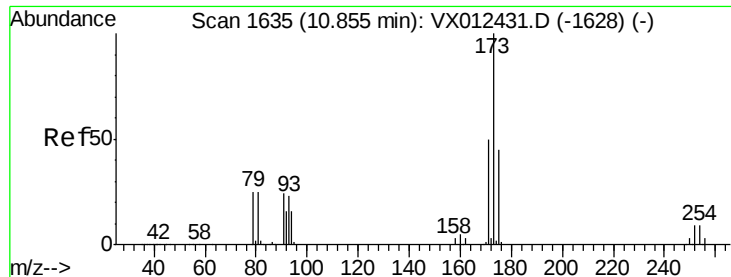
#70
Styrene
Concen: 18.697 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion:104 Resp: 122546
Ion Ratio Lower Upper
104 100
78 54.9 43.4 65.2
103 52.9 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.722 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion:173 Resp: 26588

Ion Ratio Lower Upper

173 100

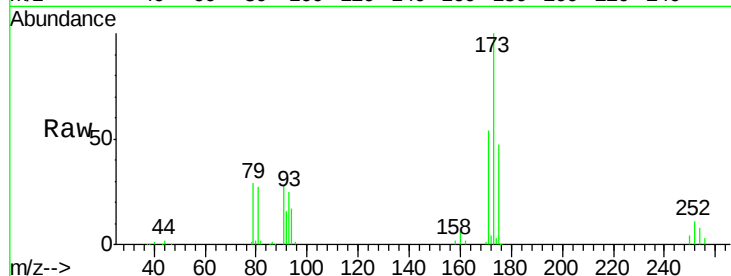
175 47.2 23.7 71.1

254 0.0 0.1 0.1#

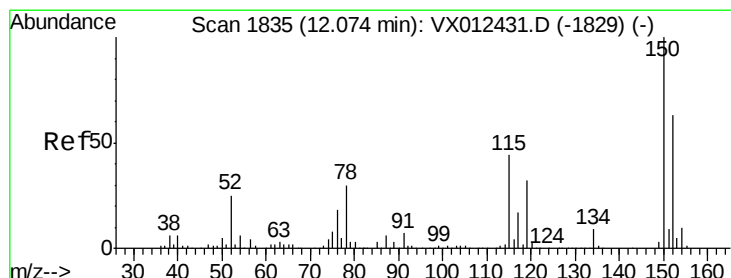
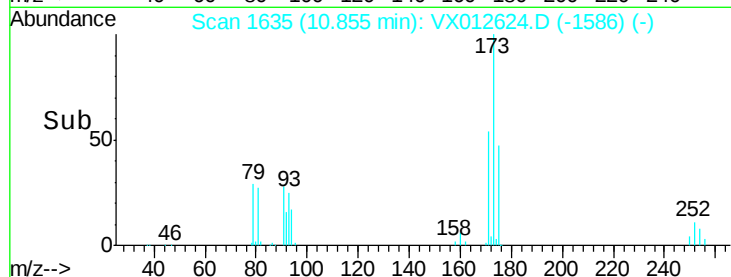
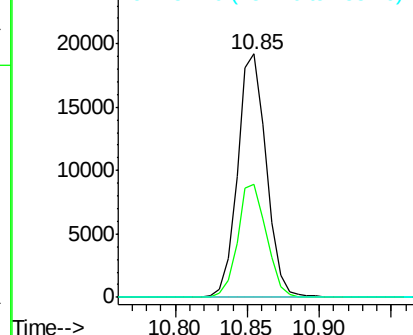
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

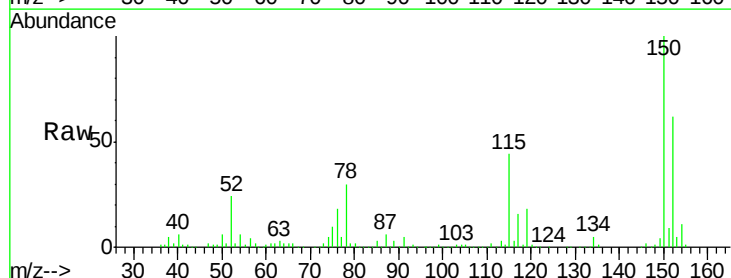
Tgt Ion:152 Resp: 121157

Ion Ratio Lower Upper

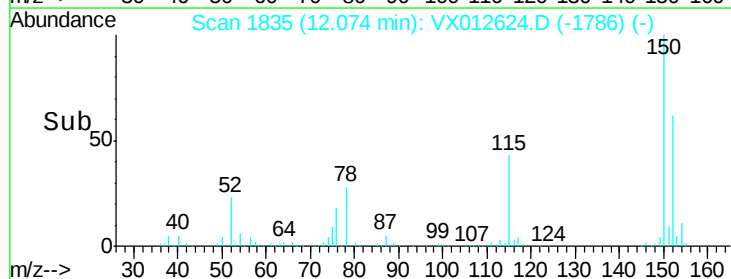
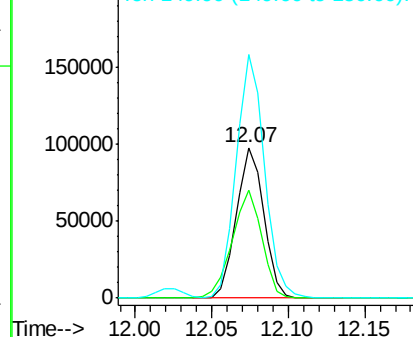
152 100

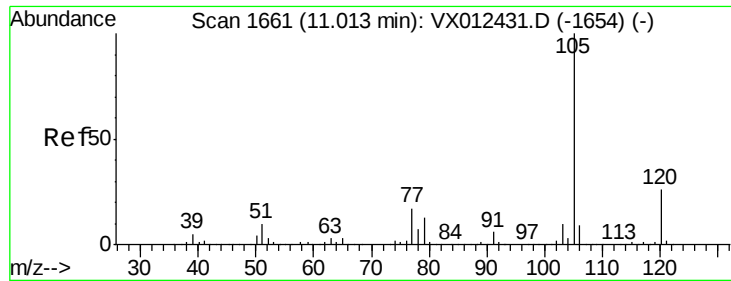
115 77.8 44.1 132.3

150 167.5 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: 19.940 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion:105 Resp: 196764

Ion Ratio Lower Upper

105 100

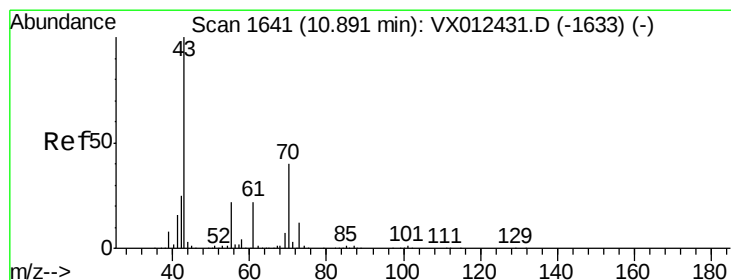
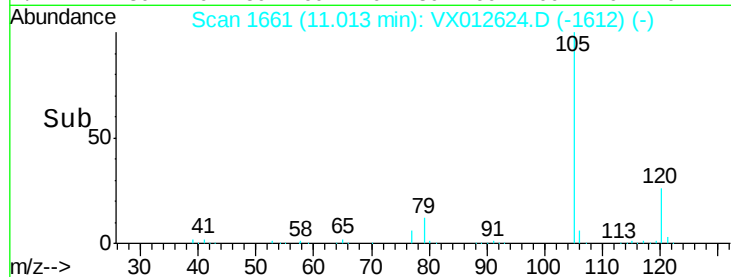
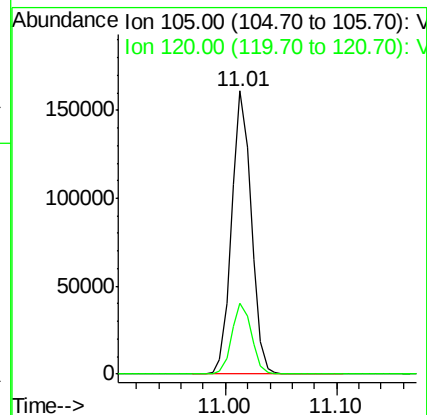
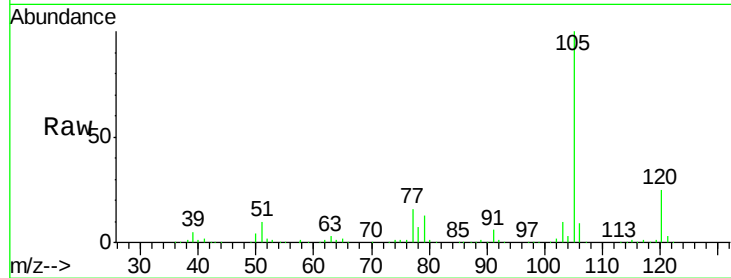
120 25.3 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.754 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion: 43 Resp: 88285

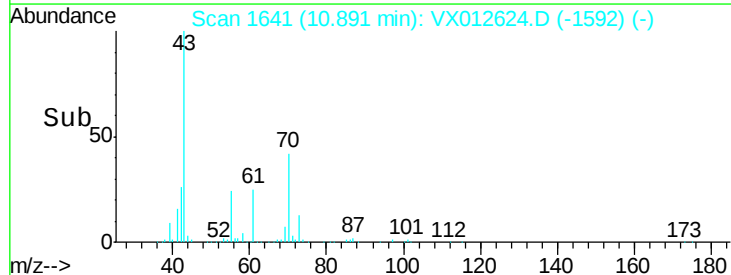
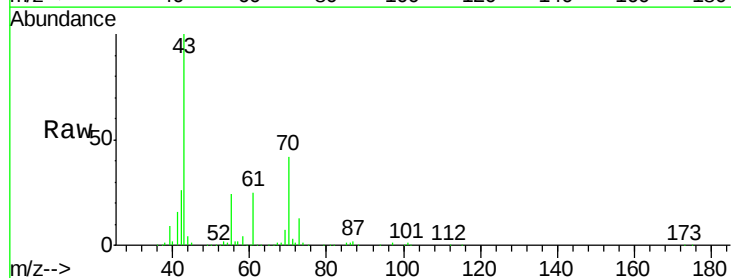
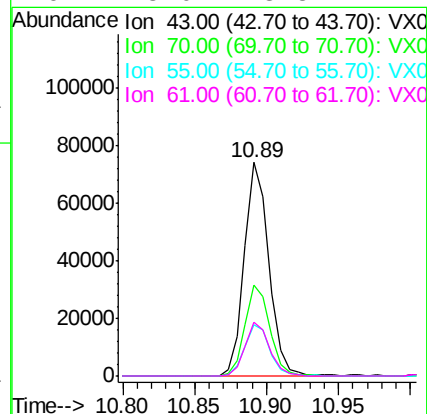
Ion Ratio Lower Upper

43 100

70 43.1 32.4 48.6

55 24.8 18.2 27.4

61 25.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.713 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

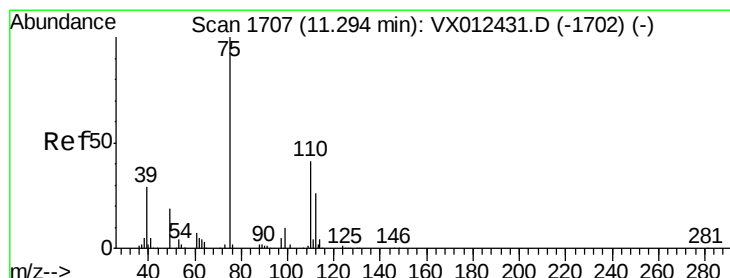
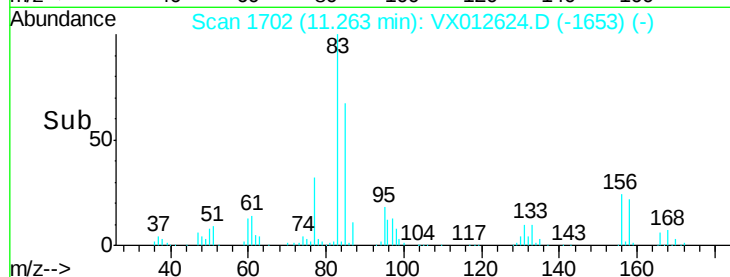
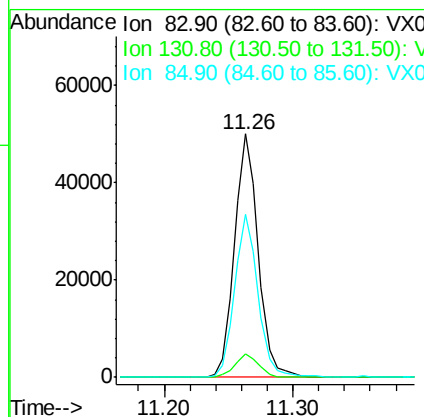
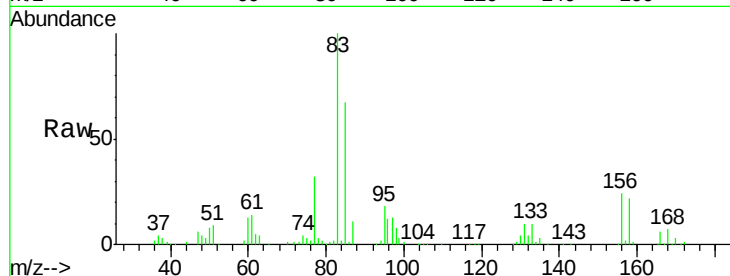
ClientSampleId :

VX0924MBS01

Tot Ion:	83	Resp:	64424
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.2	15.6
85	66.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.947 ug/l m

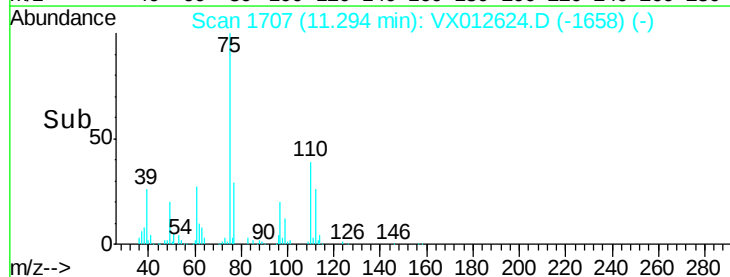
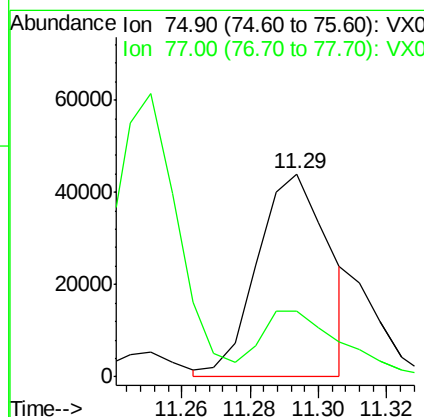
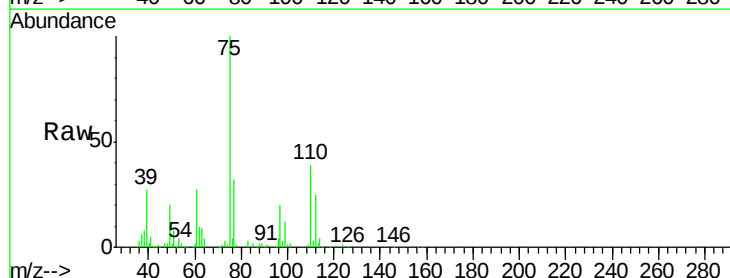
RT: 11.29 min Scan# 1707

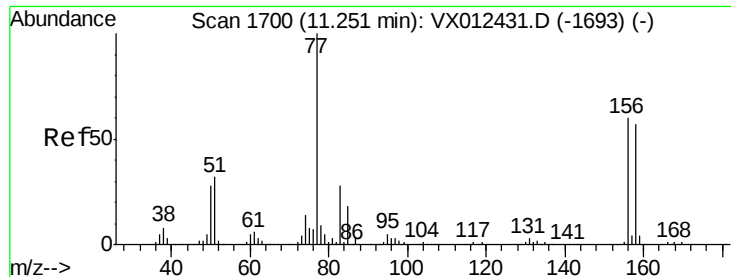
Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	75	Resp:	63929
Ion Ratio	Lower	Upper	
75	100		
77	37.7	19.7	59.0





#77

Bromobenzene

Concen: 19.344 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

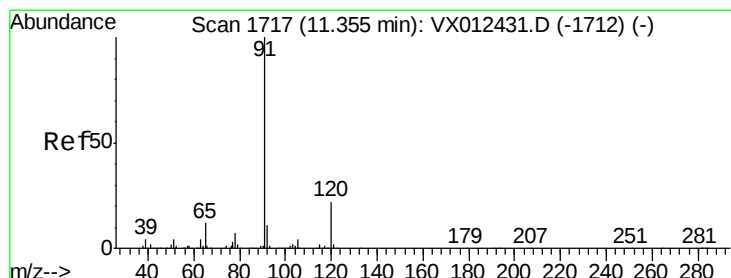
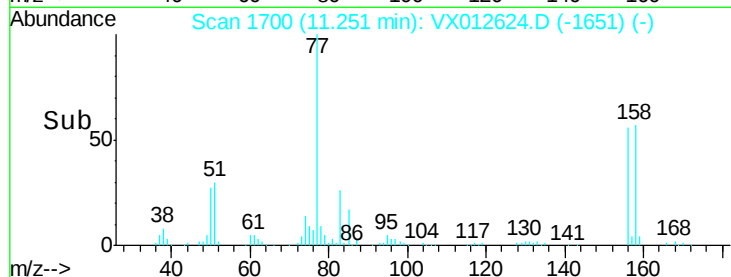
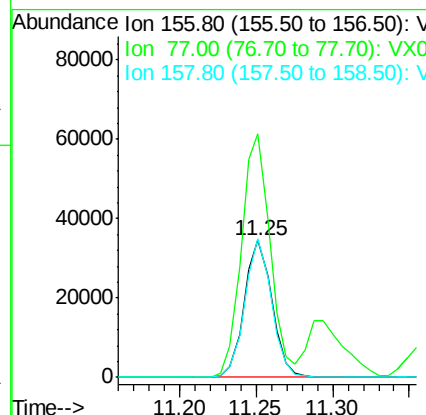
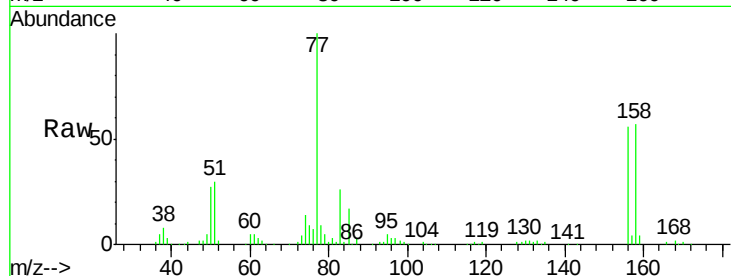
ClientSampleId :

VX0924MBS01

Tot Ion:	156	Resp:	43202
Ion	Ratio	Lower	Upper
156	100		
77	184.2	87.3	261.8
158	97.8	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.272 ug/l

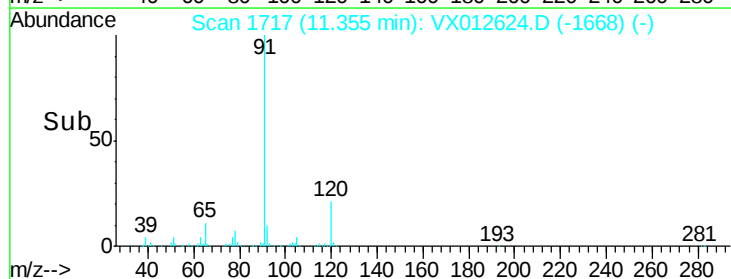
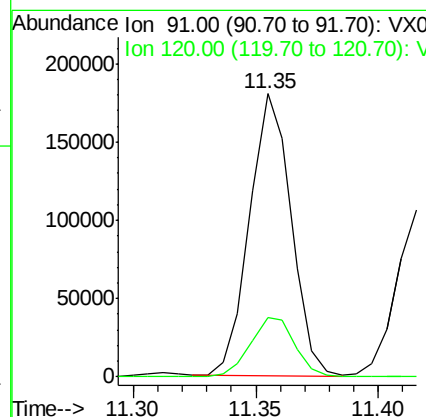
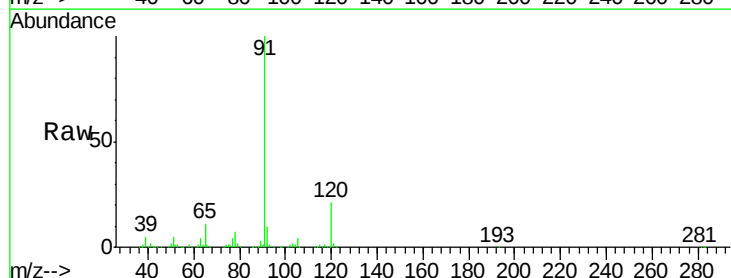
RT: 11.35 min Scan# 1717

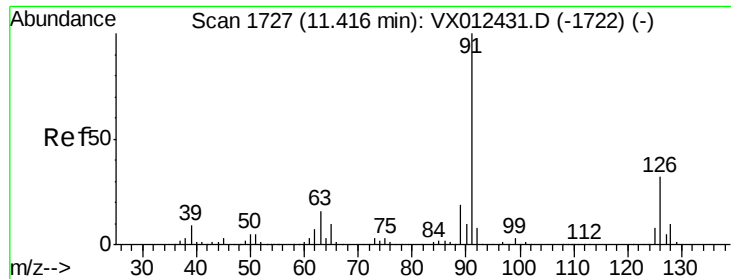
Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	91	Resp:	214107
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.543 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion: 91 Resp: 135437

Ion Ratio Lower Upper

91 100

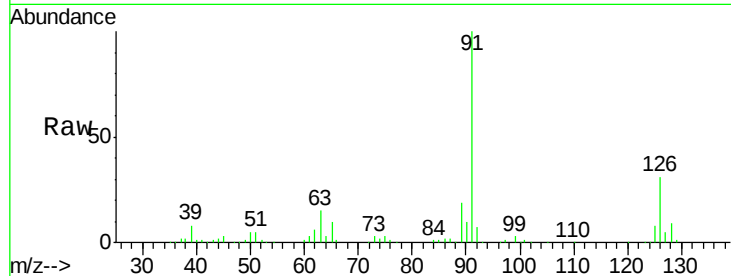
126 31.0 16.4 49.4

Manual Integrations

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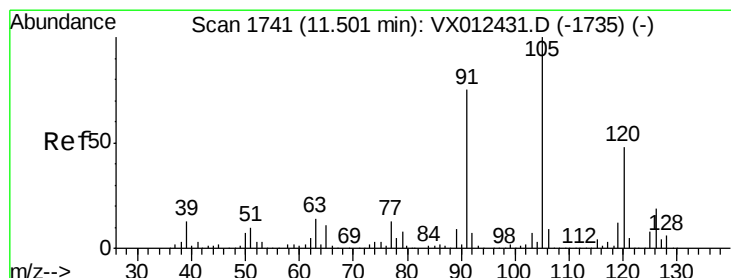
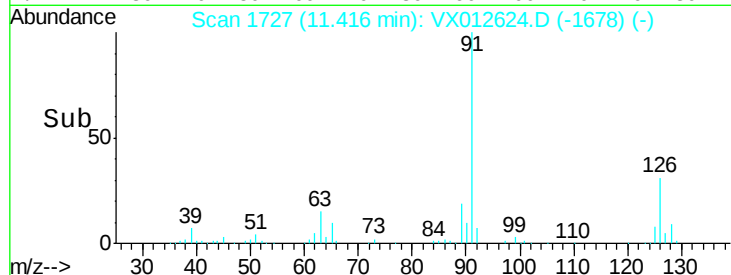
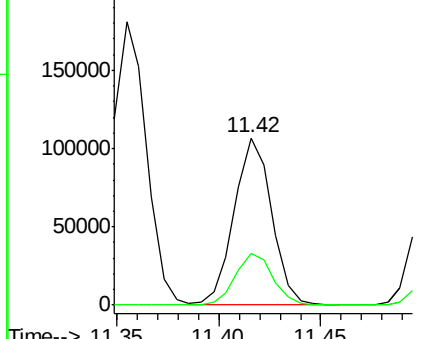
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Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012431.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.717 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012624.D

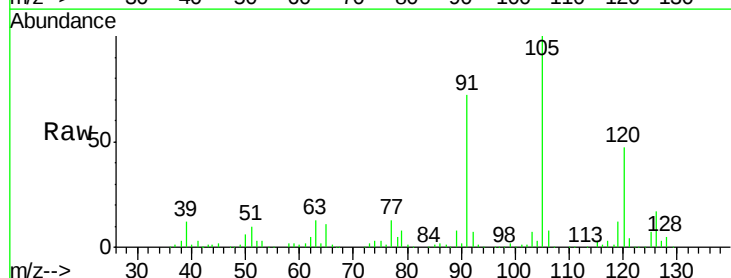
Acq: 24 Sep 2019 11:49

Tgt Ion:105 Resp: 163157

Ion Ratio Lower Upper

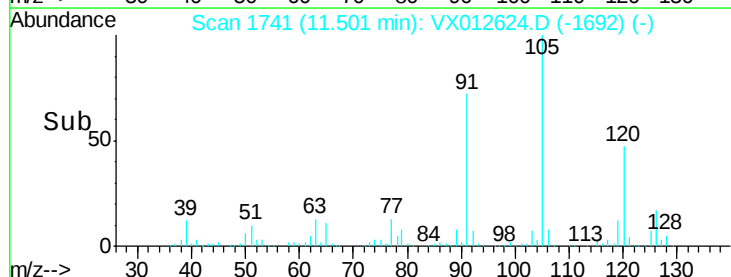
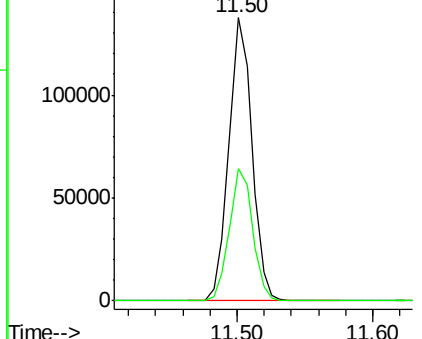
105 100

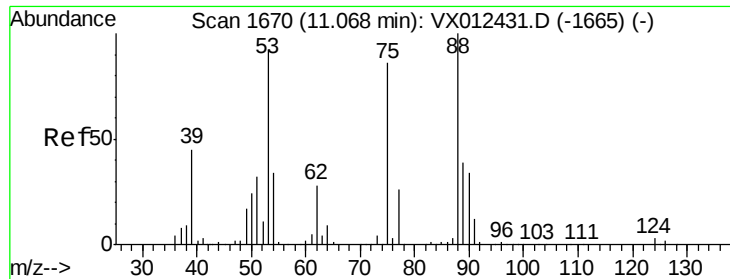
120 47.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012431.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012431.D (-1735) (-)





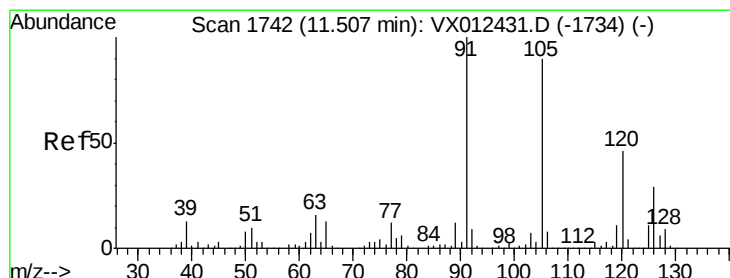
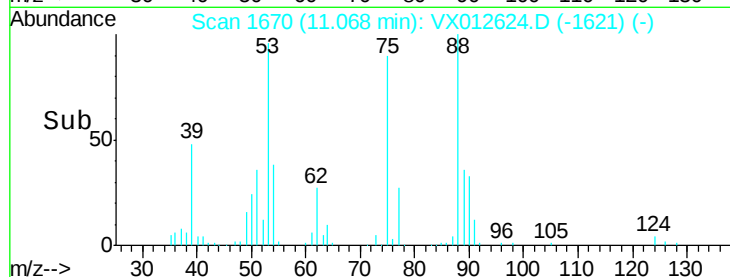
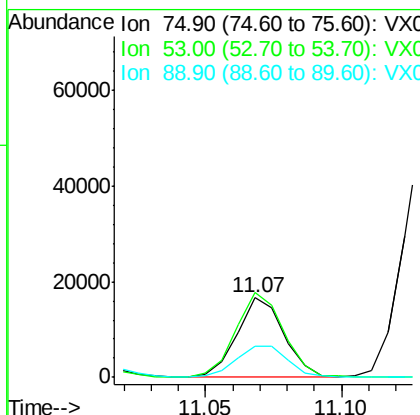
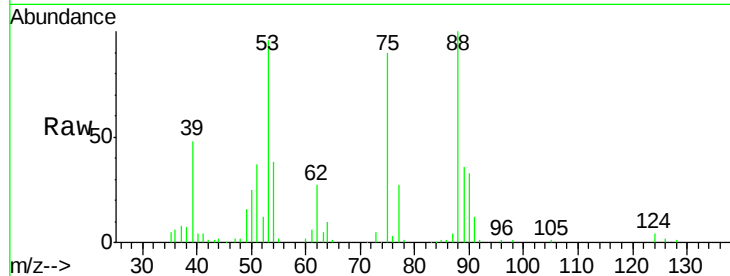
#81
trans-1,4-Dichloro-2-butene
Concen: 17.915 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.5	83.6	125.4
89	43.2	36.3	54.5

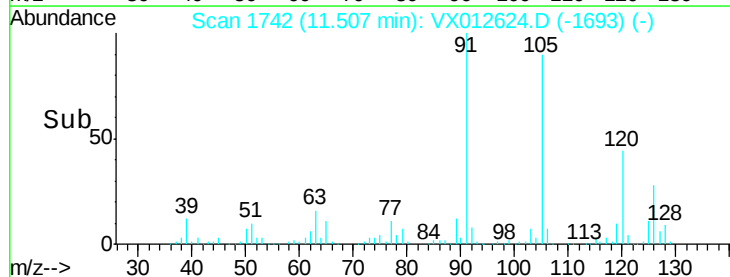
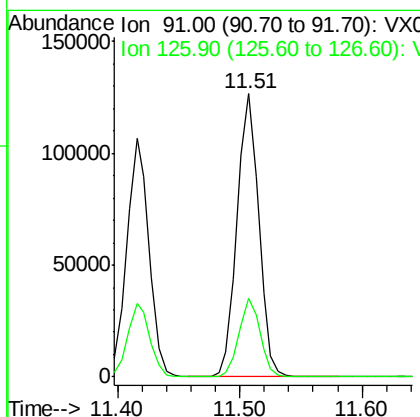
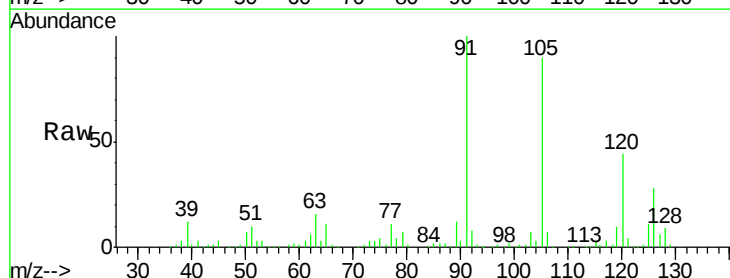
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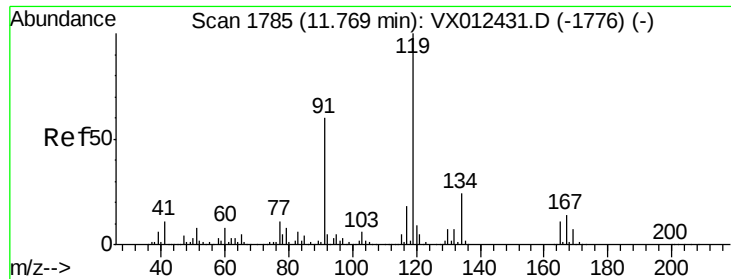
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#82
4-Chlorotoluene
Concen: 19.565 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.4	43.0





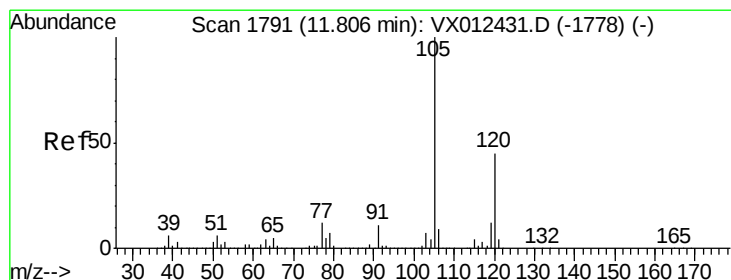
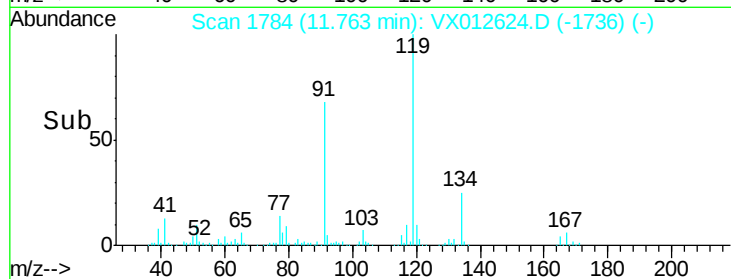
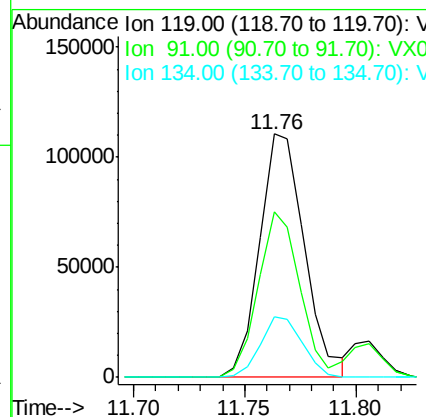
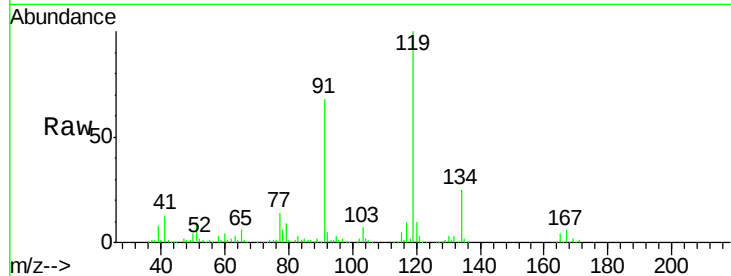
#83
 tert-Butylbenzene
 Concen: 19.433 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155123		
91	63.0	30.0	90.0	
134	23.3	11.3	33.9	

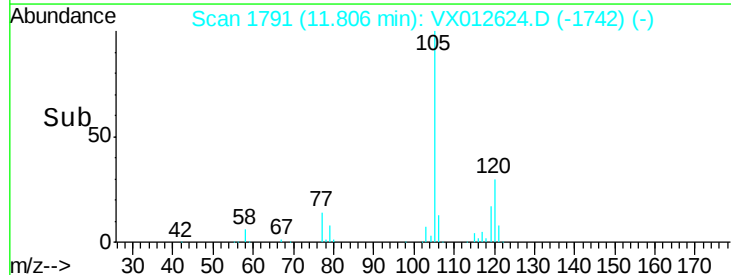
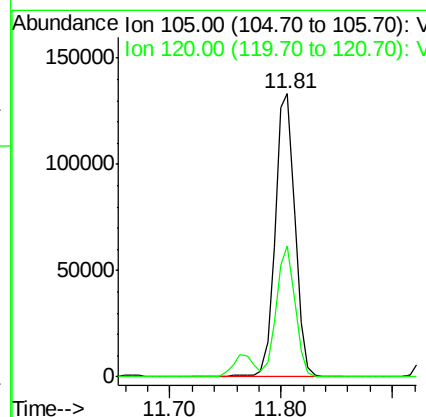
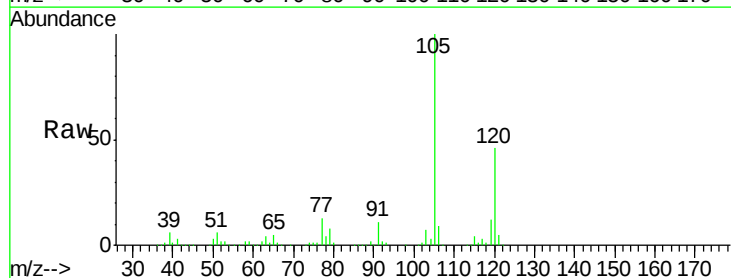
Manual Integrations
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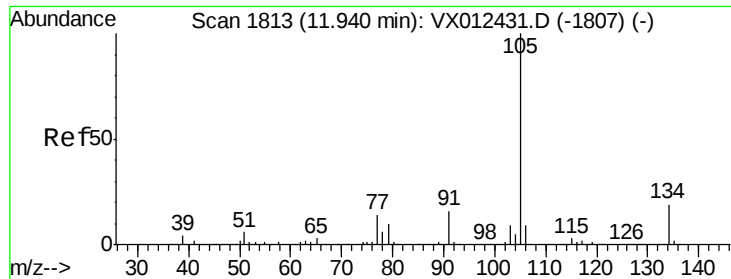
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 9/25/2019 9:29:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.821 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	165460		
120	43.6	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.722 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VX0924MBS01

Tot Ion:105 Resp: 183107

Ion Ratio Lower Upper

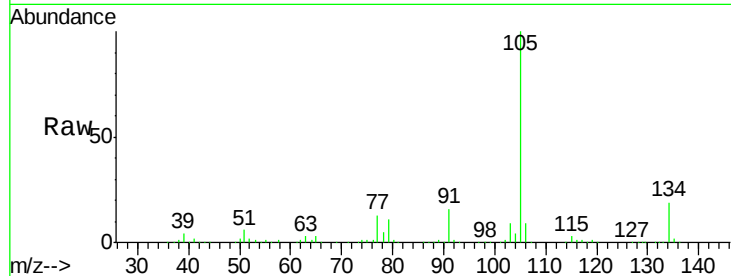
105 100

134 19.0 9.8 29.4

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

Ion 134.00 (133.70 to 134.70): V

11.94

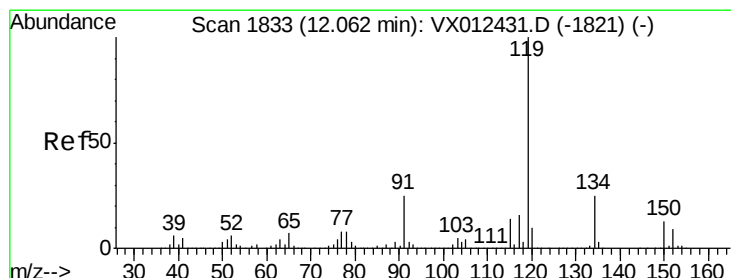
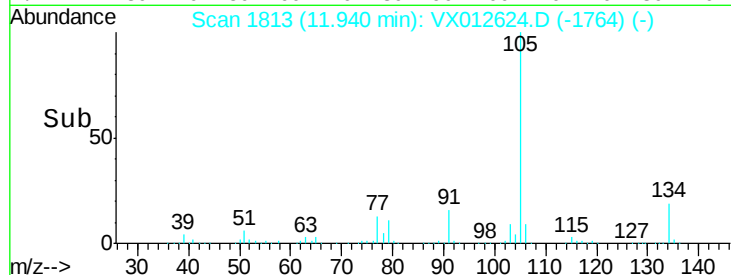
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.545 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

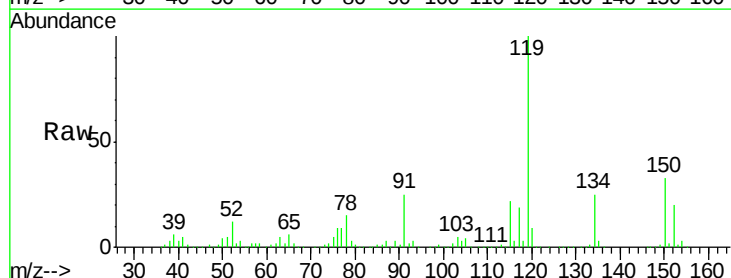
Tgt Ion:119 Resp: 163738

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 26.0 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

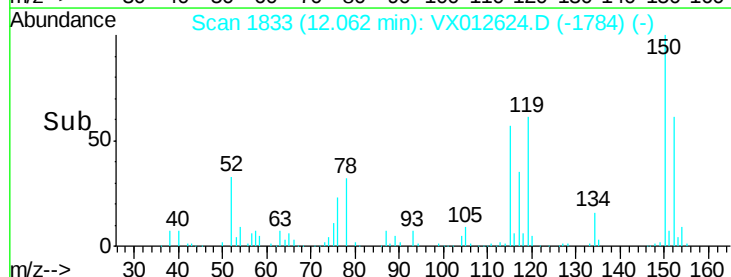
150000

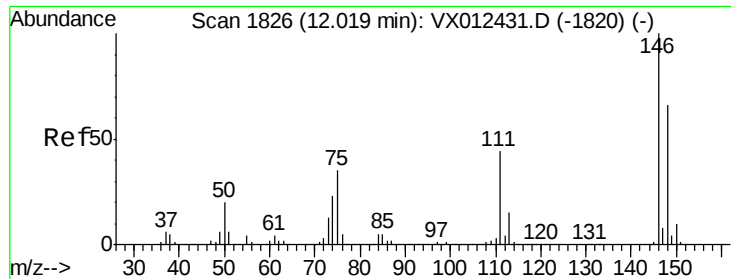
100000

50000

0

Time-->





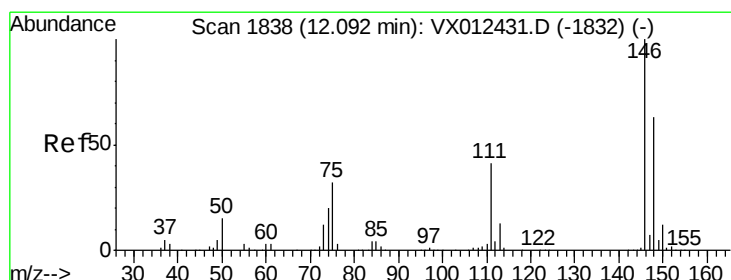
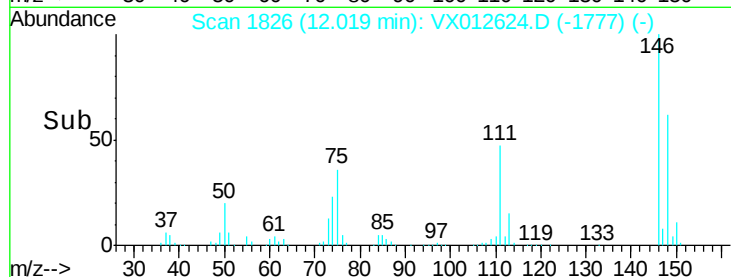
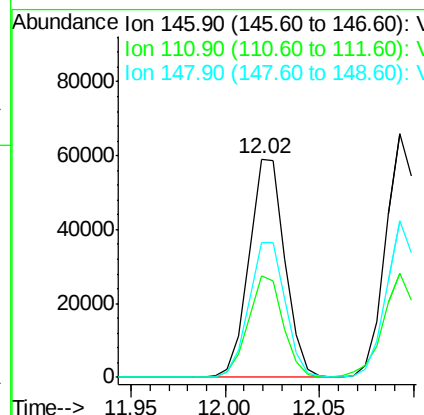
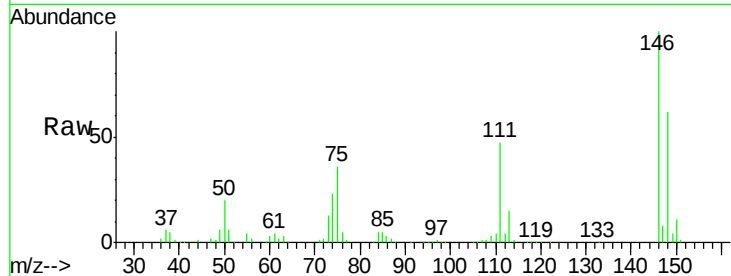
#87
 1,3-Dichlorobenzene
 Concen: 19.366 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.3	64.0
148	62.6	32.4	97.2

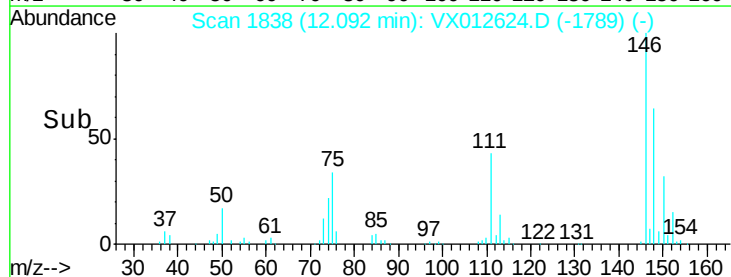
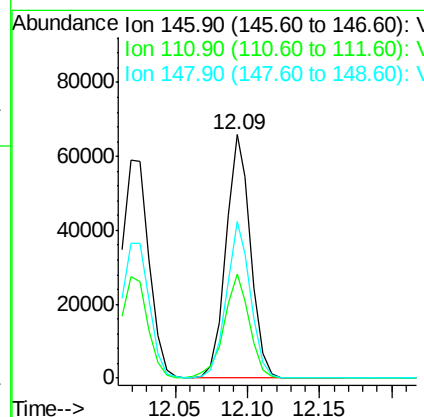
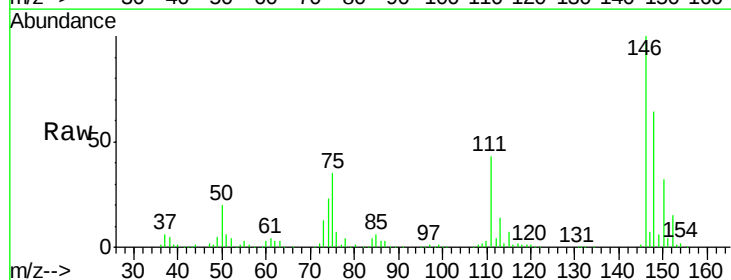
Manual Integrations
 APPROVED

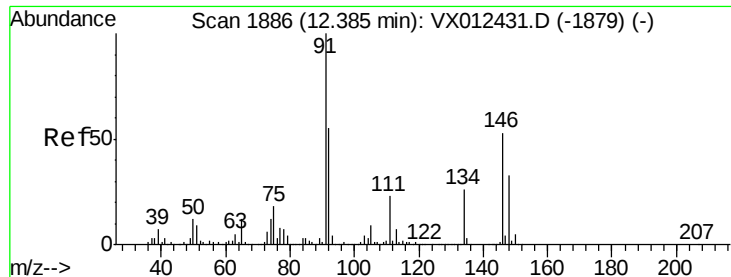
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 9/25/2019 9:29:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.467 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.1	63.3
148	63.4	32.1	96.5





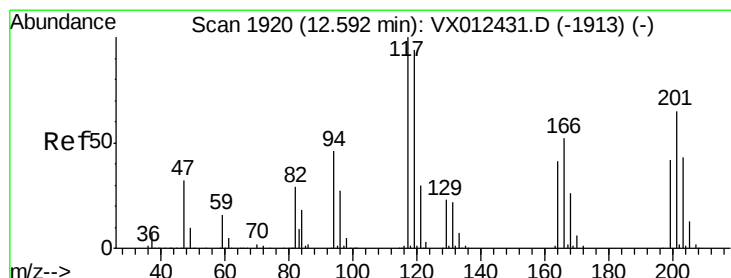
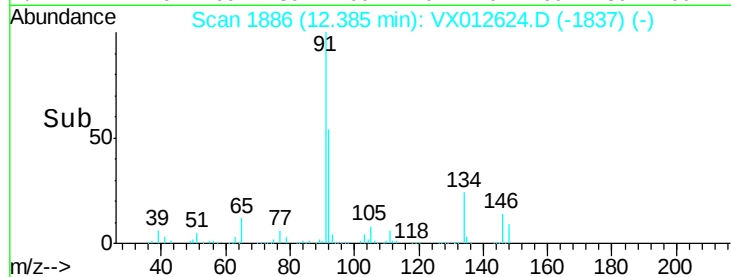
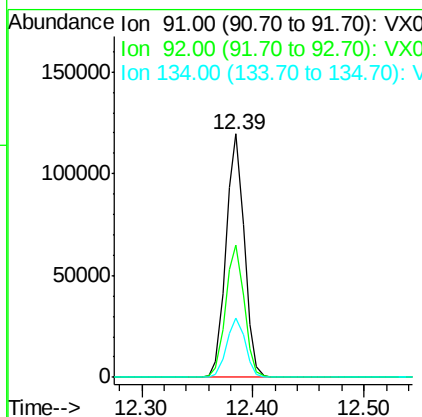
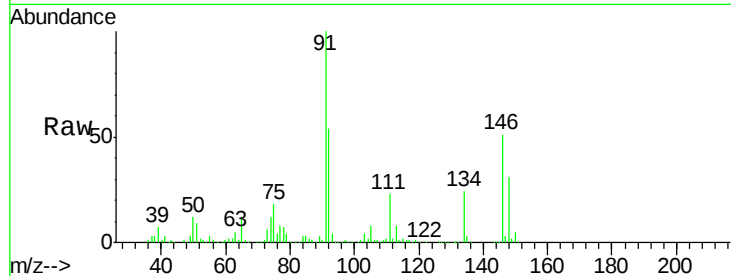
#89
n-Butylbenzene
Concen: 18.443 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VX0924MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.7	83.0
134	24.7	12.9	38.6

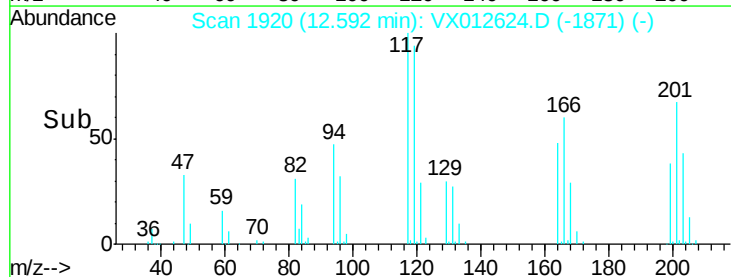
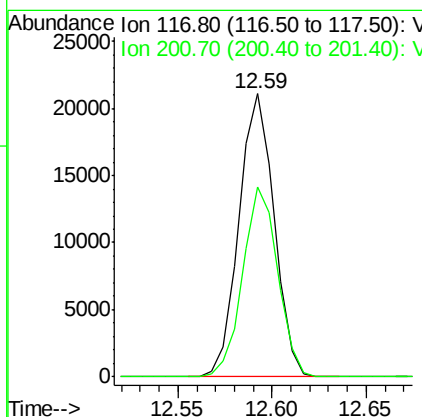
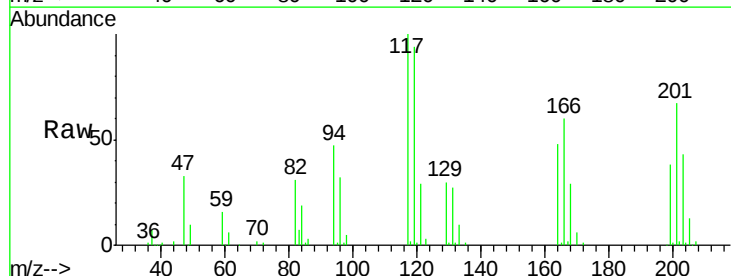
Manual Integrations
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9/25/2019 9:29:53 AM



#90
Hexachloroethane
Concen: 18.255 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012624.D
Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	33.3	99.8





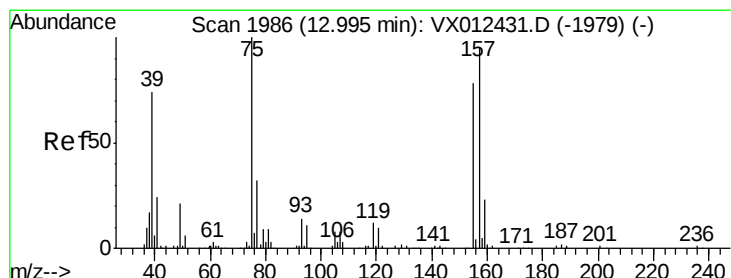
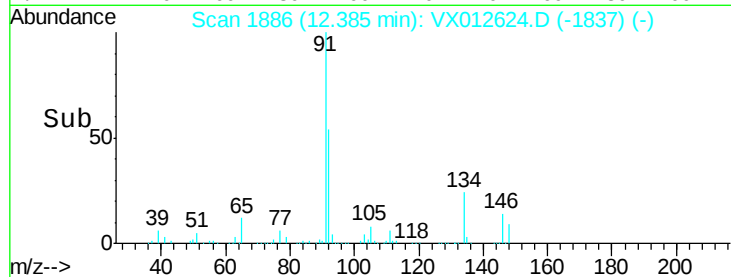
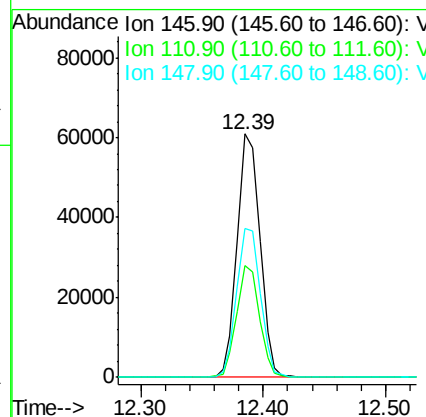
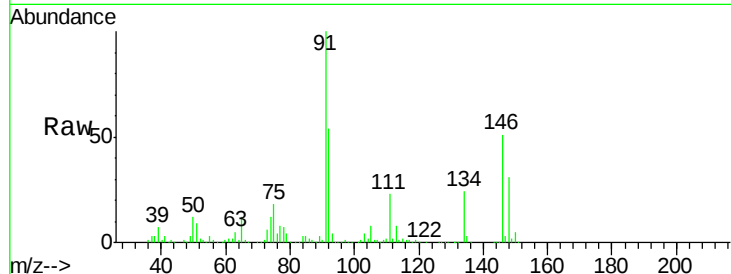
#91
 1,2-Dichlorobenzene
 Concen: 19.497 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.1	66.1
148	63.8	31.3	93.9

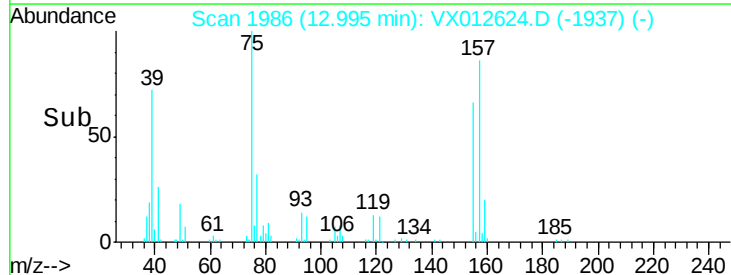
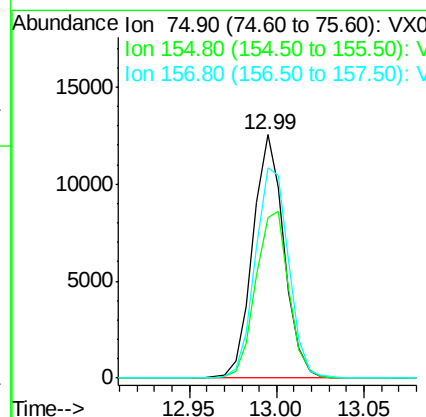
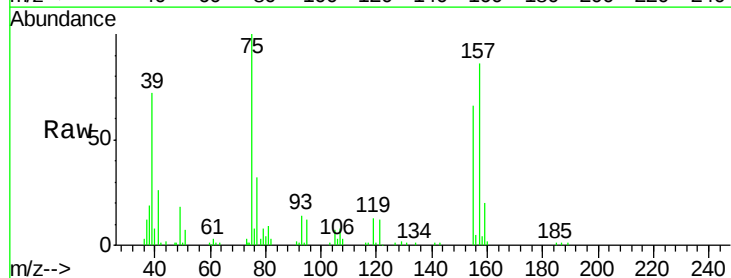
Manual Integrations
 APPROVED

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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.064 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	38.6	115.8
157	93.0	50.6	151.9





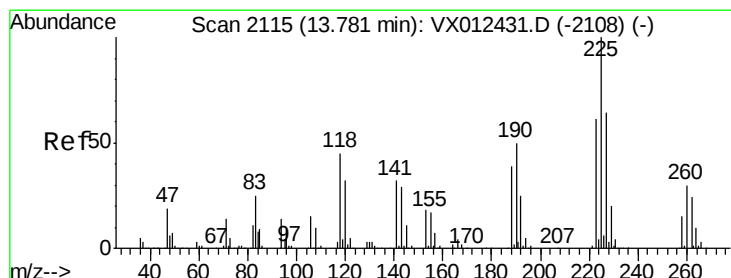
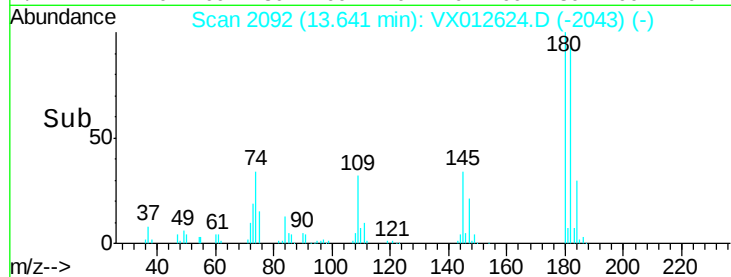
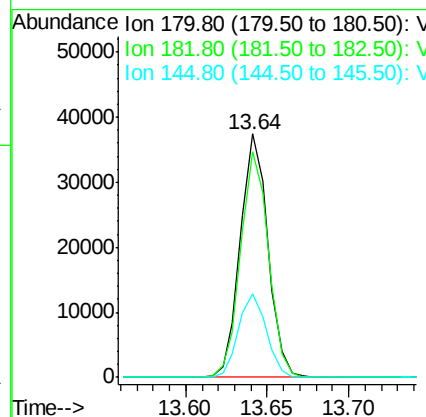
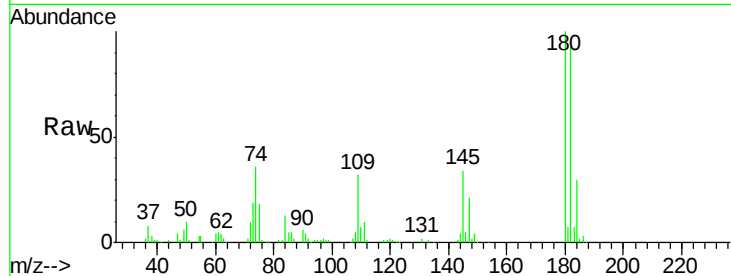
#93
 1,2,4-Trichlorobenzene
 Concen: 18.108 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.0	141.0
145	34.6	16.8	50.4

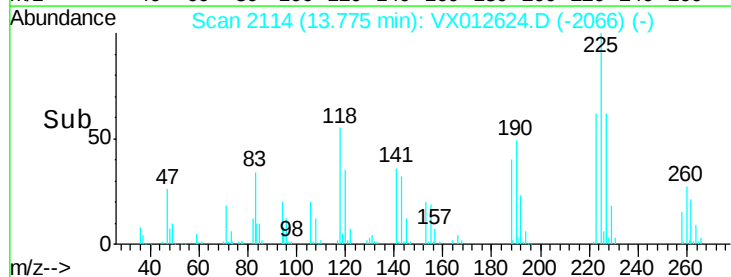
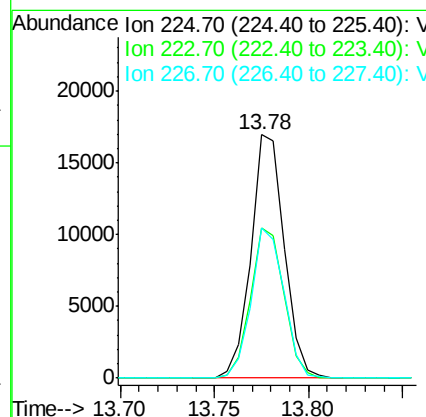
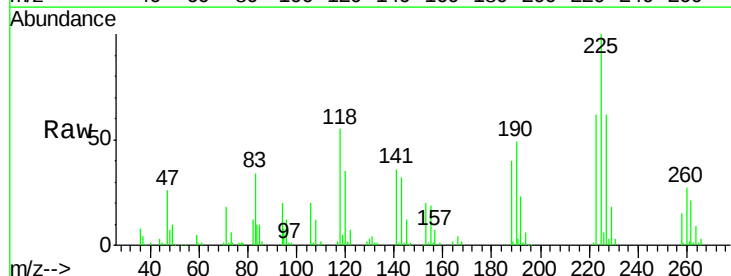
Manual Integrations
 APPROVED

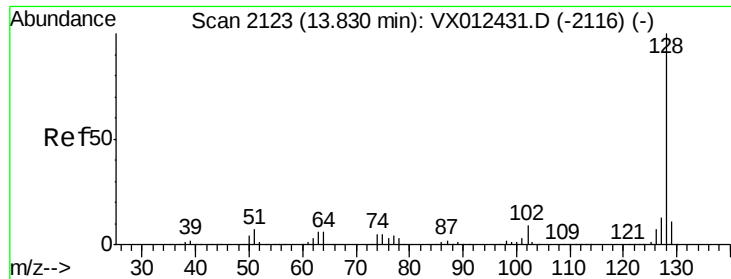
MMDadoda
 9/25/2019 9:29:53 AM



#94
 Hexachlorobutadiene
 Concen: 19.604 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012624.D
 Acq: 24 Sep 2019 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.0	96.2
227	60.8	31.9	95.5





#95

Naphthalene

Concen: 19.214 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Instrument :

MSVOA_X

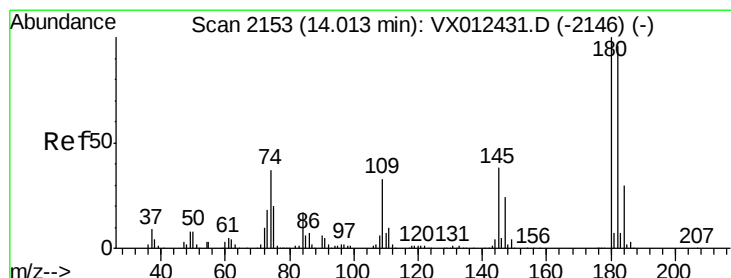
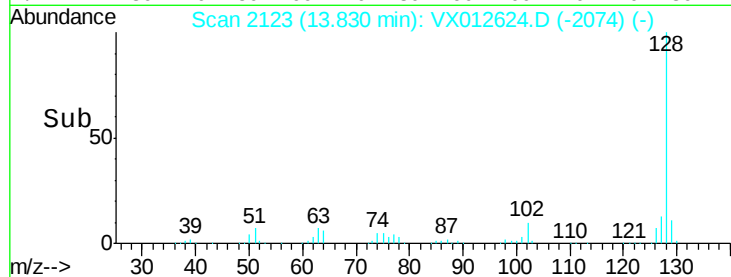
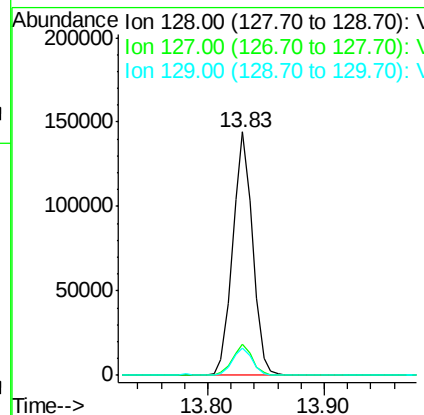
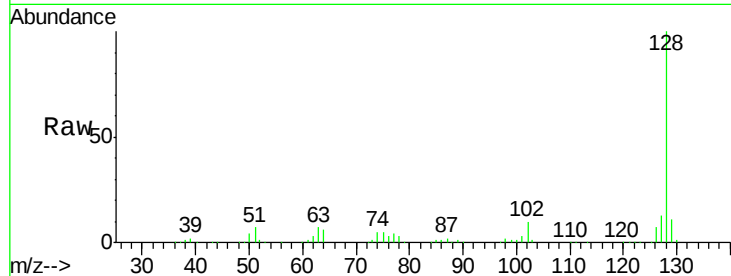
ClientSampleId :

VX0924MBS01

Tot Ion:	128	Resp:	170587
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	11.3	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.760 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012624.D

Acq: 24 Sep 2019 11:49

Tgt Ion:	180	Resp:	46114
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.1	141.3
145	37.0	18.0	54.0

