

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091219\
 Data File : VX012353.D
 Acq On : 12 Sep 2019 17:55
 Operator : SY/SP
 Sample : VX0912SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:11:54 AM

Quant Time: Sep 13 02:18:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	139773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	94106	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	5.48	113	75138	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	8.71	98	280528	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.14	95	118769	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21992	19.245	ug/l	99
3) Chloromethane	1.31	50	21715	21.081	ug/l	96
4) Vinyl Chloride	1.40	62	20586	20.156	ug/l	98
5) Bromomethane	1.62	94	9746	20.842	ug/l	94
6) Chloroethane	1.70	64	13801	20.208	ug/l	96
7) Trichlorofluoromethane	1.91	101	36894	19.959	ug/l	99
8) Diethyl Ether	2.17	74	13200	20.928	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25491	20.461	ug/l	98
10) Methyl Iodide	2.50	142	15404	12.991	ug/l	99
11) Tert butyl alcohol	3.03	59	30520	141.437	ug/l	95
12) 1,1-Dichloroethene	2.36	96	21647	20.467	ug/l	98
13) Acrolein	2.28	56	8972	86.853	ug/l	92
14) Allyl chloride	2.71	41	41107	19.063	ug/l	98
15) Acrylonitrile	3.13	53	40041	102.696	ug/l	99
16) Acetone	2.43	43	45413	97.077	ug/l	100
17) Carbon Disulfide	2.55	76	40368	18.176	ug/l	99
18) Methyl Acetate	2.76	43	21717	22.087	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	86282	20.657	ug/l	98
20) Methylene Chloride	2.84	84	33726	21.612	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	25791	20.439	ug/l	92
22) Diisopropyl ether	3.84	45	100998	20.480	ug/l	95
23) Vinyl Acetate	3.80	43	306891	101.430	ug/l	99
24) 1,1-Dichloroethane	3.68	63	53424	20.225	ug/l	99
25) 2-Butanone	4.66	43	60646	101.411	ug/l	100
26) 2,2-Dichloropropane	4.56	77	48157	19.418	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	32222	19.779	ug/l	97
28) Bromochloromethane	5.00	49	21286	17.182	ug/l	98
29) Tetrahydrofuran	5.11	42	34433	106.717	ug/l	97
30) Chloroform	5.19	83	59891	20.106	ug/l	99
31) Cyclohexane	5.56	56	34650	18.884	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	50223	19.636	ug/l	99
36) 1,1-Dichloropropene	5.79	75	36634	20.426	ug/l	97
37) Ethyl Acetate	4.82	43	23429	21.133	ug/l	98
38) Carbon Tetrachloride	5.77	117	39390	18.719	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	38440	19.530	ug/l	99
40) Benzene	6.13	78	110617	20.379	ug/l	97
41) Methacrylonitrile	5.03	41	14295	20.915	ug/l	96
42) 1,2-Dichloroethane	6.18	62	45597	21.254	ug/l	100
43) Isopropyl Acetate	6.43	43	47769	20.437	ug/l	99
44) Trichloroethene	7.20	130	29955	20.391	ug/l	97
45) 1,2-Dichloropropane	7.51	63	30351	20.200	ug/l	97
46) Dibromomethane	7.65	93	17727	21.587	ug/l	99
47) Bromodichloromethane	7.89	83	43902	19.591	ug/l	94
48) Methyl methacrylate	7.76	41	22865	20.437	ug/l	99
49) 1,4-Dioxane	7.73	88	6013	398.287	ug/l #	92
51) 4-Methyl-2-Pentanone	8.64	43	126252	102.342	ug/l	99
52) Toluene	8.78	92	73720	20.561	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	43100	19.270	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	49085	19.791	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	27432	21.563	ug/l	97
56) Ethyl methacrylate	9.17	69	34713	20.152	ug/l	98
57) 1,3-Dichloropropane	9.37	76	45936	21.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	87952	99.623	ug/l	99
59) 2-Hexanone	9.48	43	90585	105.607	ug/l	99
60) Dibromochloromethane	9.57	129	28627	19.275	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24794	20.937	ug/l	98
64) Tetrachloroethene	9.33	164	24532	20.231	ug/l	98
65) Chlorobenzene	10.14	112	84845	20.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	31297	19.818	ug/l	98
67) Ethyl Benzene	10.25	91	151006	20.266	ug/l	98
68) m/p-Xylenes	10.35	106	112412	40.984	ug/l	98
69) o-Xylene	10.70	106	53722	19.994	ug/l	100
70) Styrene	10.71	104	96182	20.184	ug/l	100
71) Bromoform	10.85	173	15459	18.877	ug/l #	99
73) Isopropylbenzene	11.01	105	147228	19.238	ug/l	99
74) N-amyl acetate	10.89	43	42858	18.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	34617	21.062	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	29214m	19.563	ug/l	
77) Bromobenzene	11.25	156	36571	20.756	ug/l	96
78) n-propylbenzene	11.35	91	180900	19.575	ug/l	99
79) 2-Chlorotoluene	11.42	91	112069	19.573	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	136639	19.854	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8302	16.657	ug/l	92
82) 4-Chlorotoluene	11.51	91	137653	20.005	ug/l	99
83) tert-Butylbenzene	11.77	119	132237	19.788	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	139494	19.607	ug/l	98
85) sec-Butylbenzene	11.94	105	156431	19.619	ug/l	99
86) p-Isopropyltoluene	12.06	119	145903	19.804	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	72812	20.286	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	75513	20.806	ug/l	99
89) n-Butylbenzene	12.39	91	138873	19.232	ug/l	99
90) Hexachloroethane	12.59	117	24572	18.107	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	68403	20.602	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6576	19.602	ug/l	99

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	46449	20.258	µg/l	99
94) Hexachlorobutadiene	13.78	225	23903	20.956	µg/l	98
95) Naphthalene	13.83	128	96918	19.697	µg/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	41896	20.652	µg/l	98

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

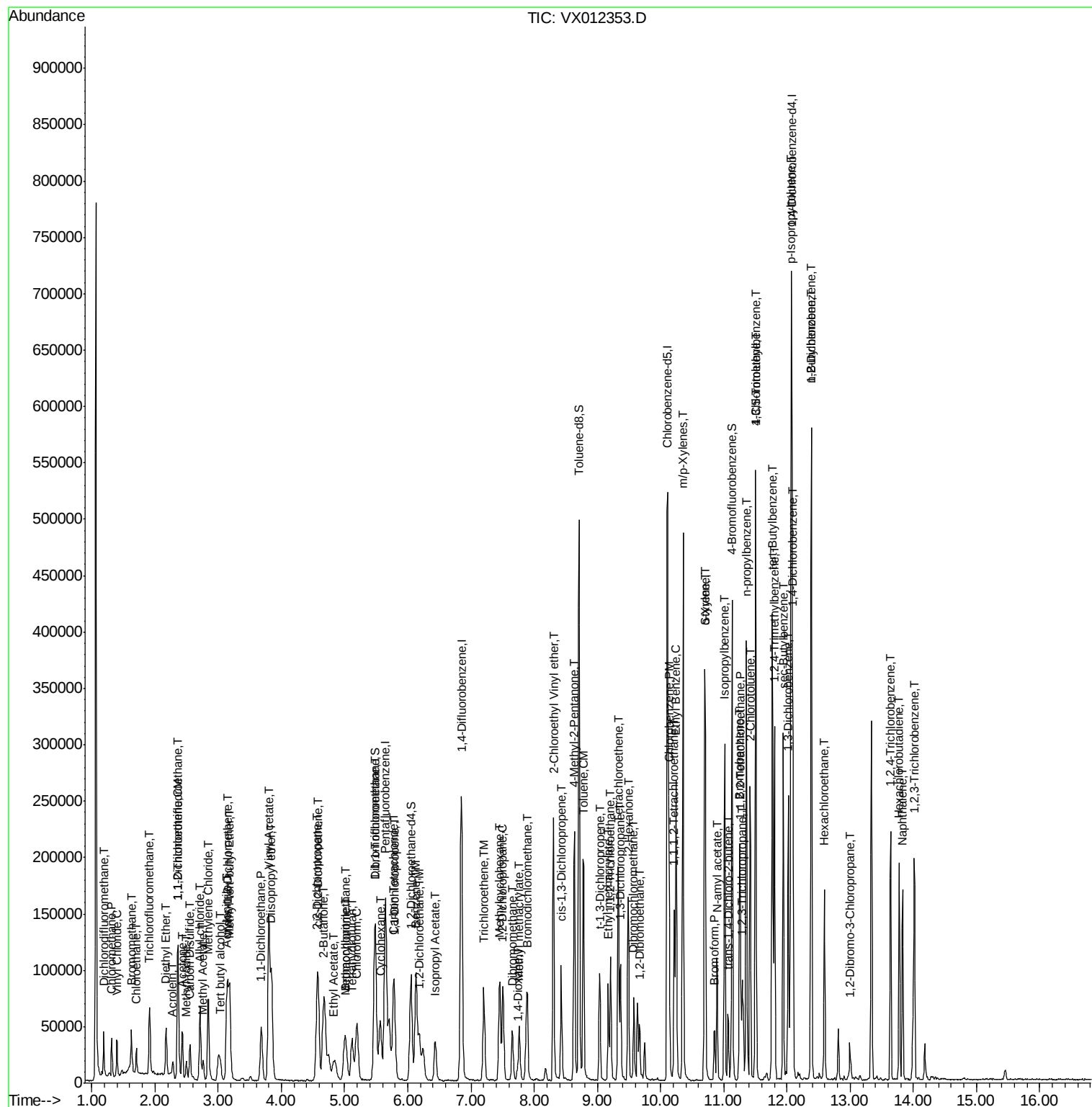
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091219\
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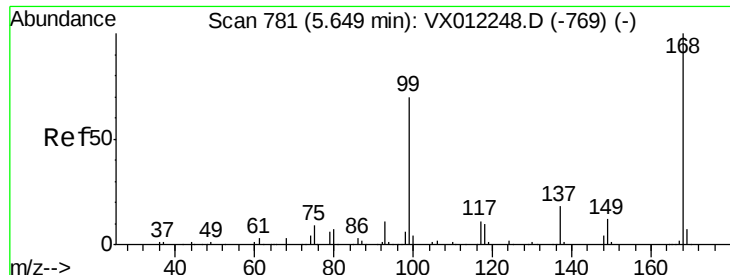
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion:168 Resp: 139773

Ion Ratio Lower Upper

168 100

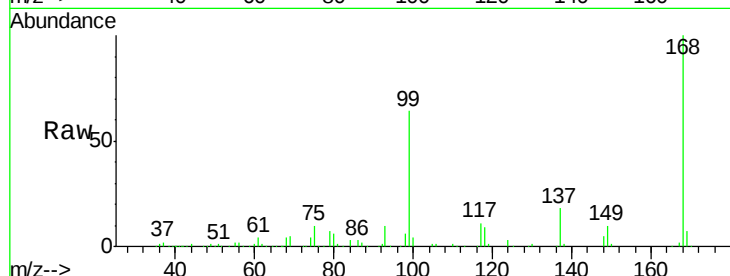
99 64.2 55.8 83.6

Manual Integrations

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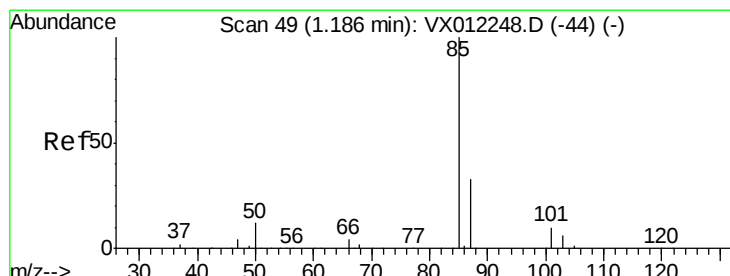
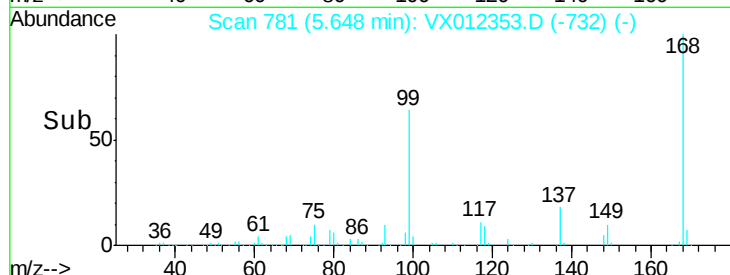


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 19.245 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012353.D

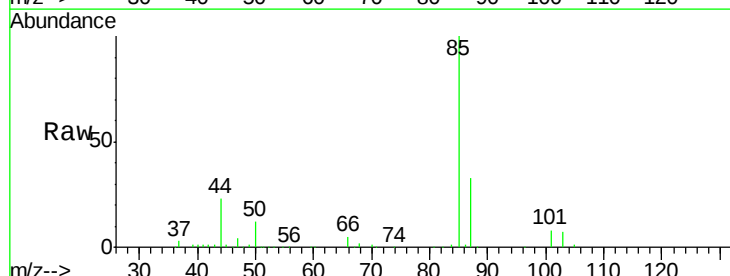
Acq: 12 Sep 2019 17:55

Tgt Ion: 85 Resp: 21992

Ion Ratio Lower Upper

85 100

87 32.5 16.7 50.0

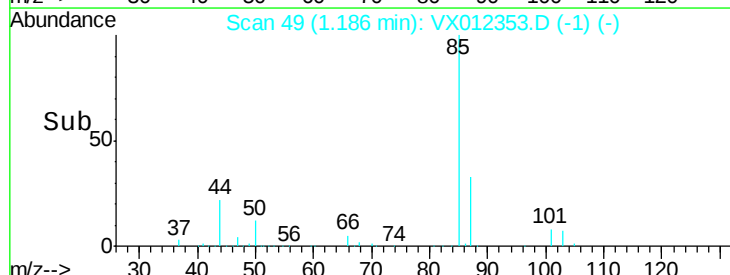


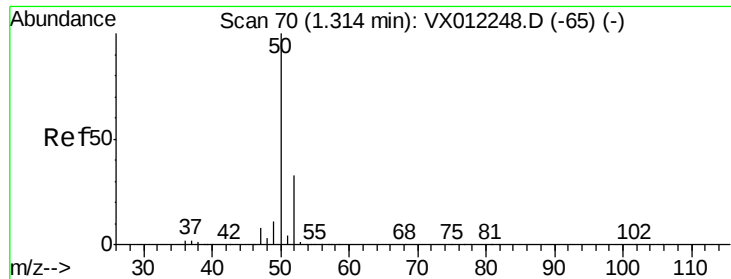
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

Time-->





#3

Chloromethane

Concen: 21.081 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 50 Resp: 21715

Ion Ratio Lower Upper

50 100

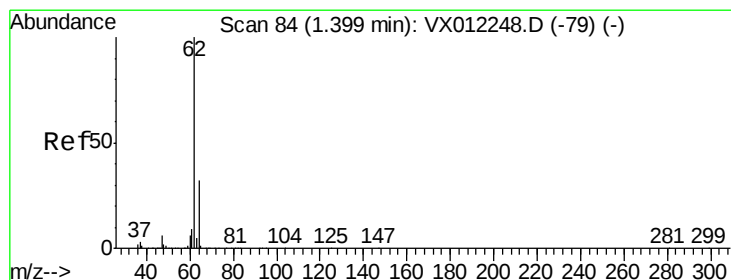
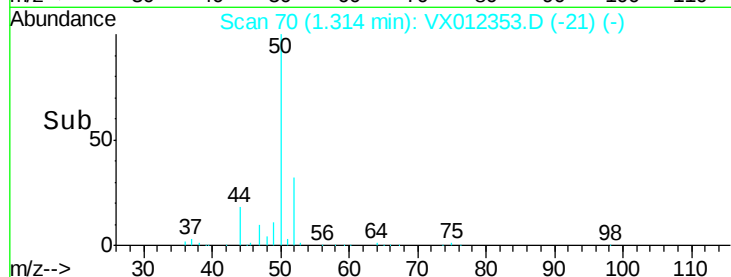
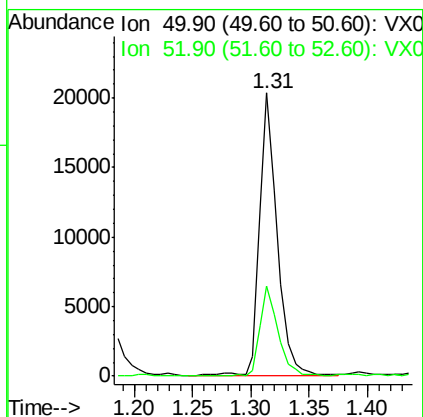
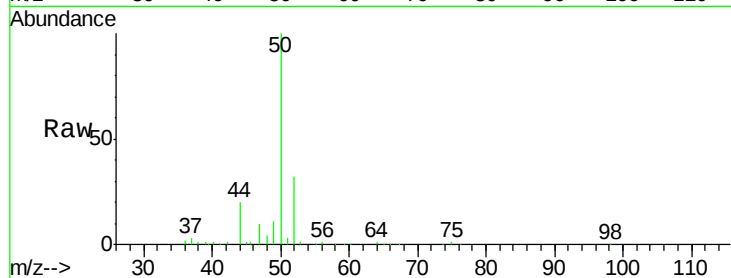
52 31.3 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.156 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012353.D

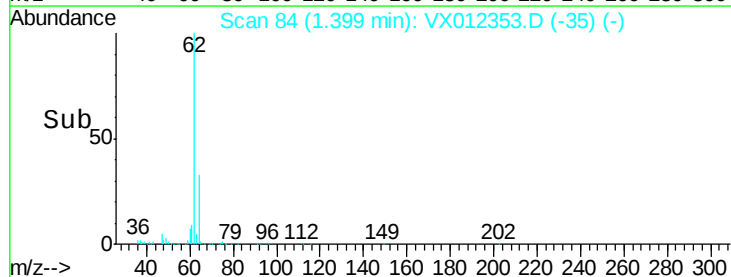
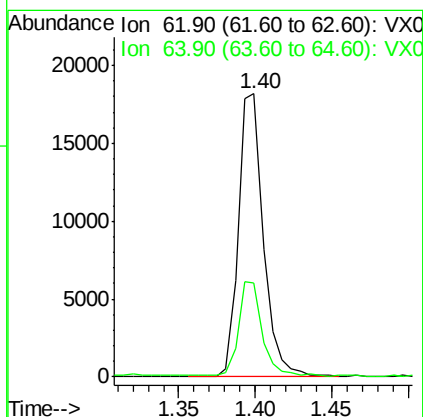
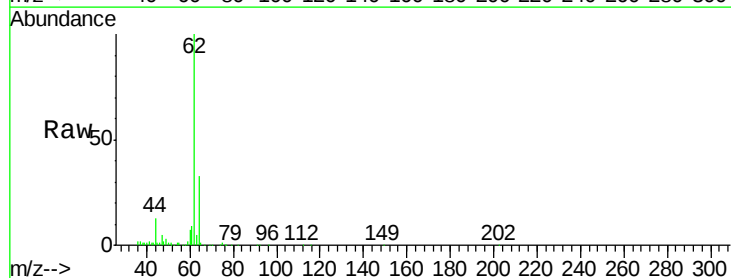
Acq: 12 Sep 2019 17:55

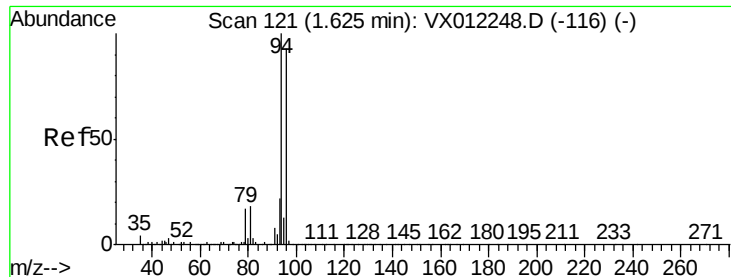
Tgt Ion: 62 Resp: 20586

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3





#5

Bromomethane

Concen: 20.842 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 94 Resp: 9746

Ion Ratio Lower Upper

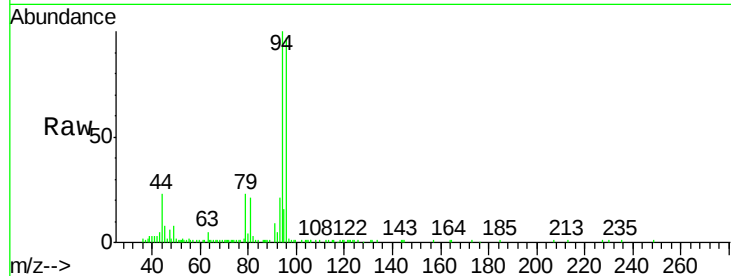
94 100

96 98.2 74.0 111.0

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

12000

10000

8000

6000

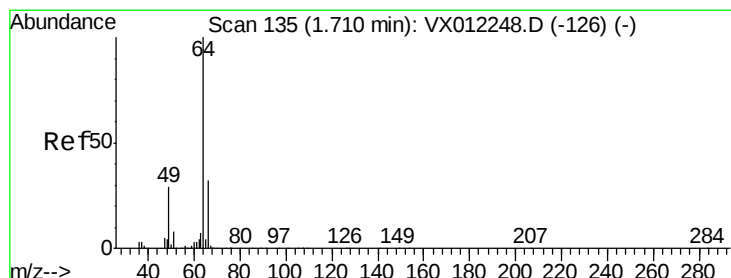
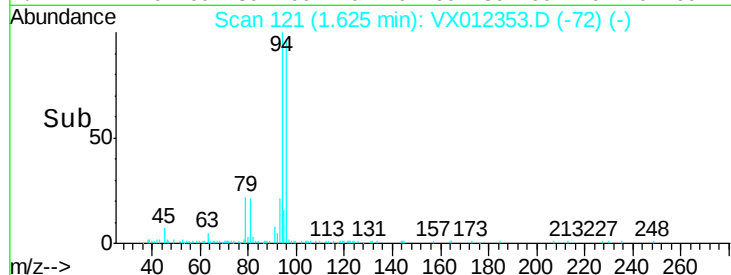
4000

2000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 20.208 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012353.D

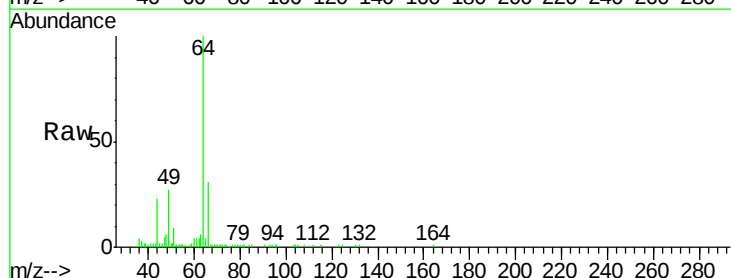
Acq: 12 Sep 2019 17:55

Tgt Ion: 64 Resp: 13801

Ion Ratio Lower Upper

64 100

66 30.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

12000

10000

8000

6000

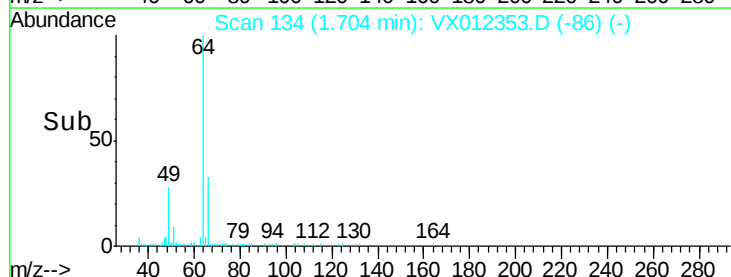
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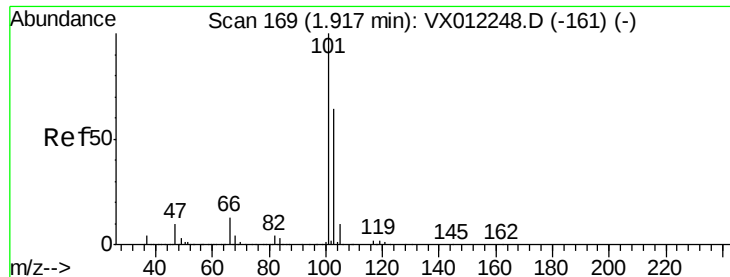
2000

0

1.60 1.65 1.70 1.75 1.80

Time-->





#7

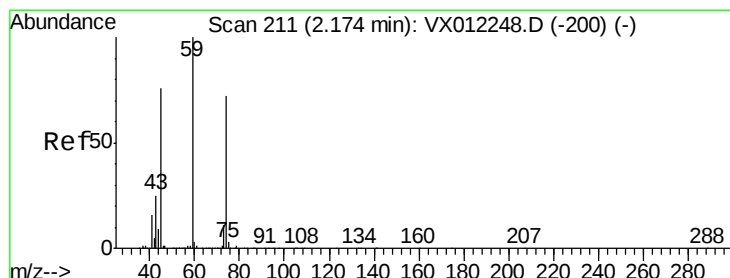
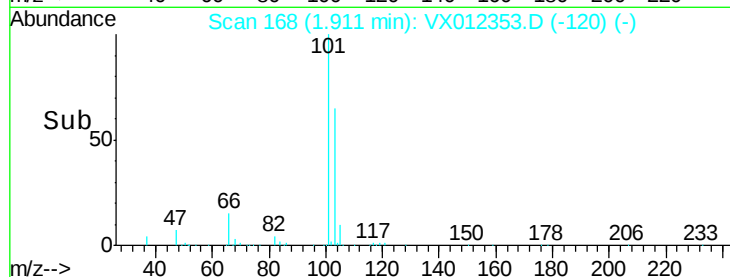
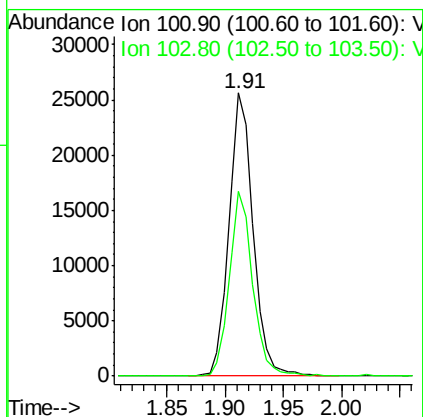
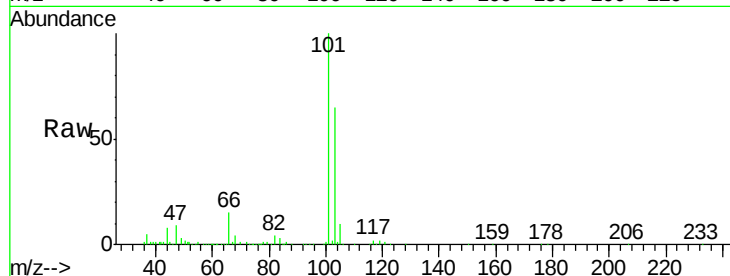
Trichlorofluoromethane
Concen: 19.959 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	36894		
103	65.1		51.4	77.2

Manual Integrations
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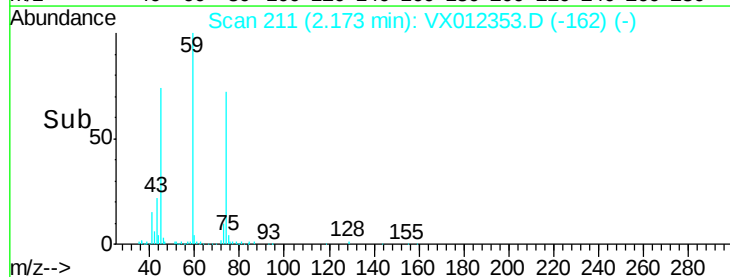
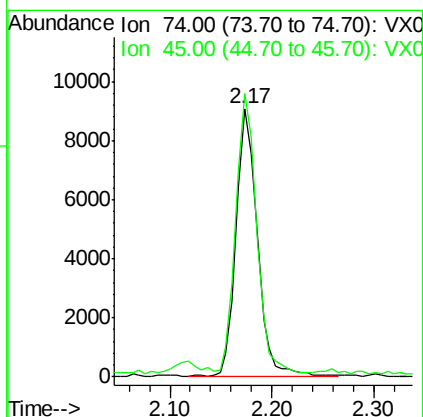
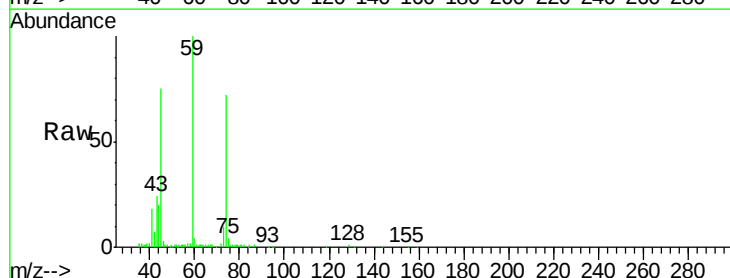
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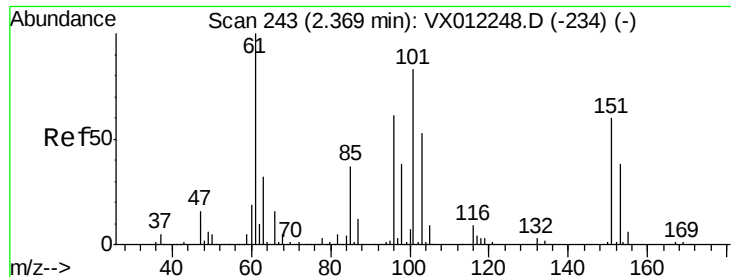


#8

Diethyl Ether
Concen: 20.928 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	13200		
45	100.2		51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.461 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

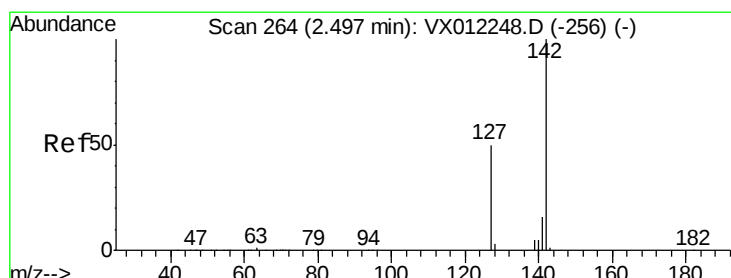
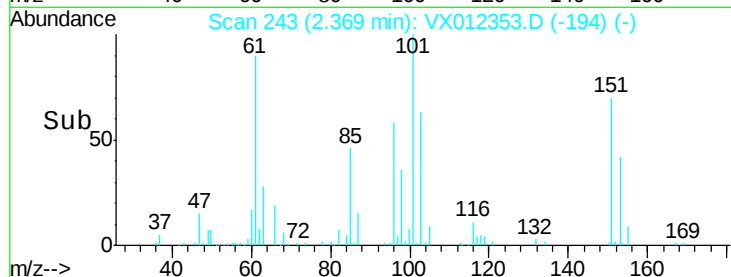
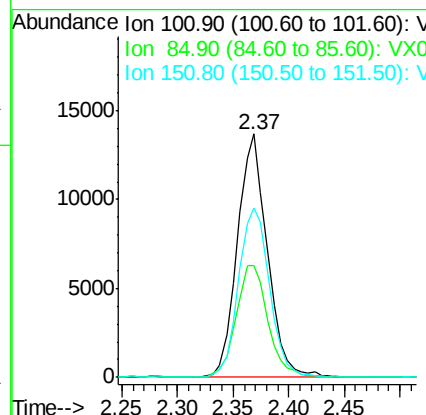
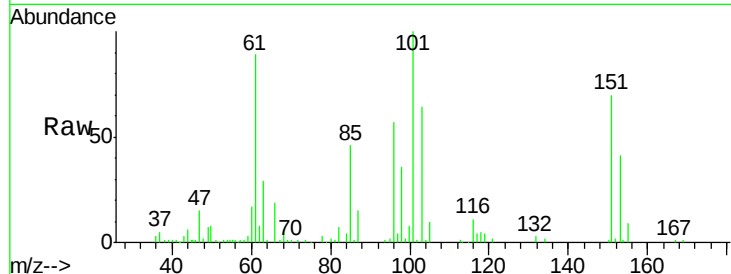
ClientSampleId :

VX0912SBS02

Tot Ion:	101	Resp:	25491
Ion Ratio	Lower	Upper	
101	100		
85	48.8	37.0	55.6
151	72.2	58.6	87.8

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#10

Methyl Iodide

Concen: 12.991 ug/l

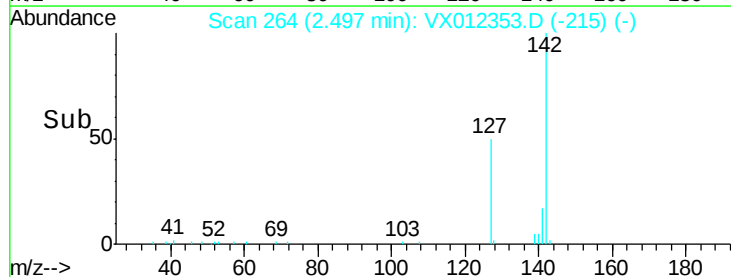
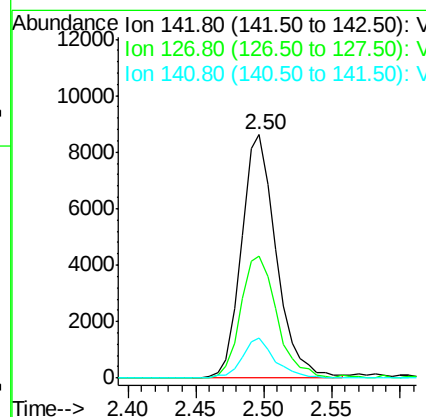
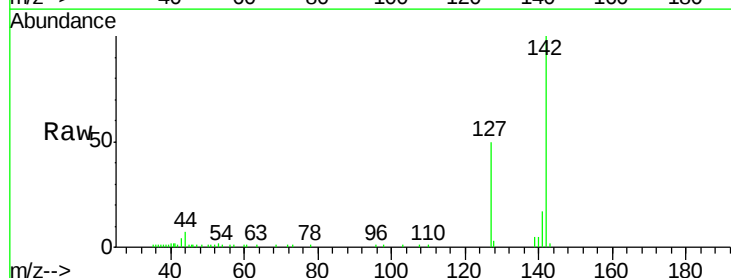
RT: 2.50 min Scan# 264

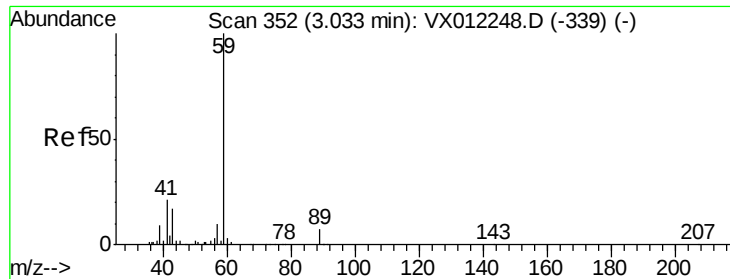
Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion:	142	Resp:	15404
Ion Ratio	Lower	Upper	
142	100		
127	51.9	40.6	61.0
141	15.4	12.0	18.0





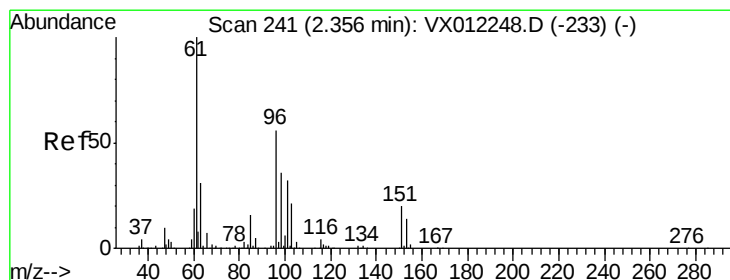
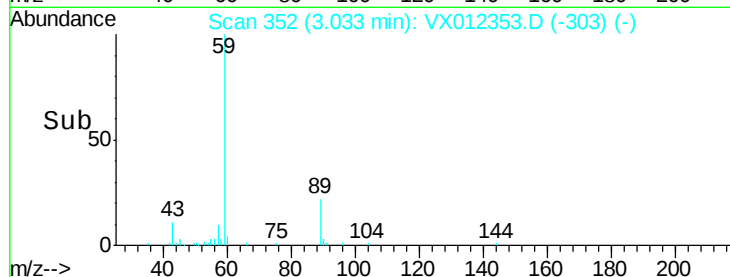
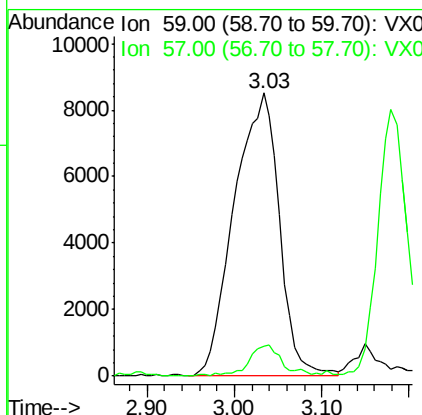
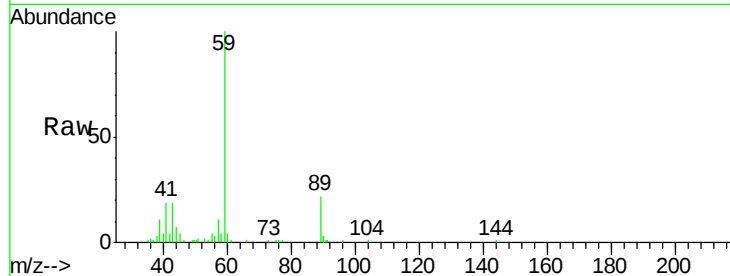
#11
Tert butyl alcohol
Concen: 141.437 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30520		
57	8.0		7.8	11.6

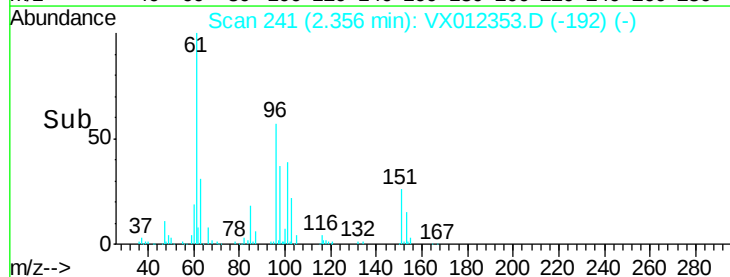
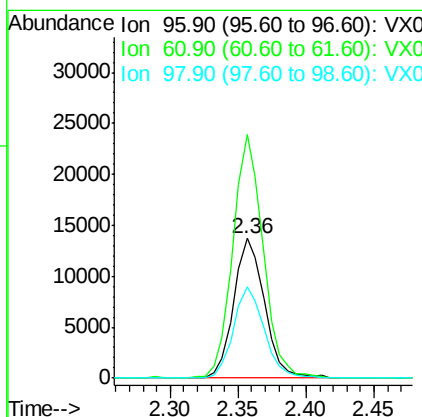
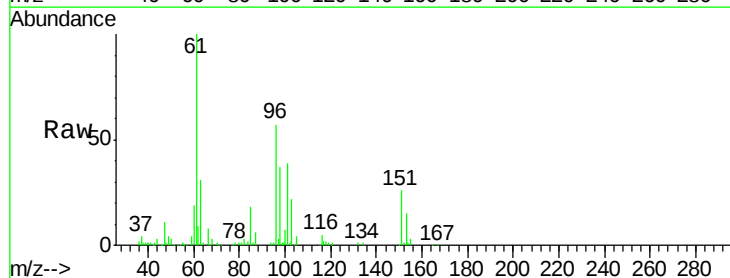
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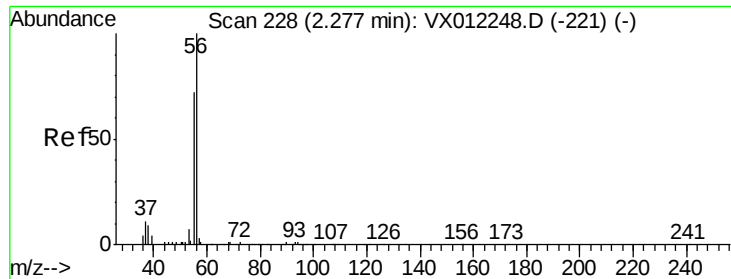
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.467 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	21647		
61	174.3		142.2	213.2
98	65.3		51.3	76.9





#13

Acrolein

Concen: 86.853 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tot Ion: 56 Resp: 8972

Ion Ratio Lower Upper

56 100

55 67.6 59.8 89.6

Instrument :

MSVOA_X

ClientSampleId :

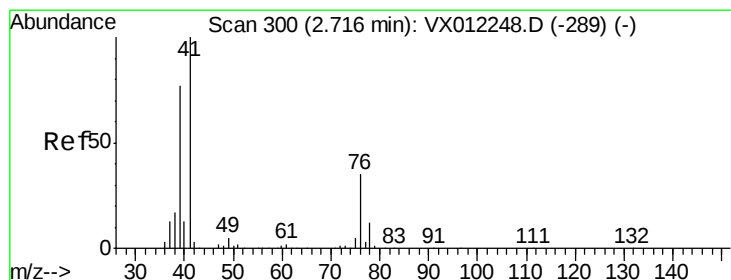
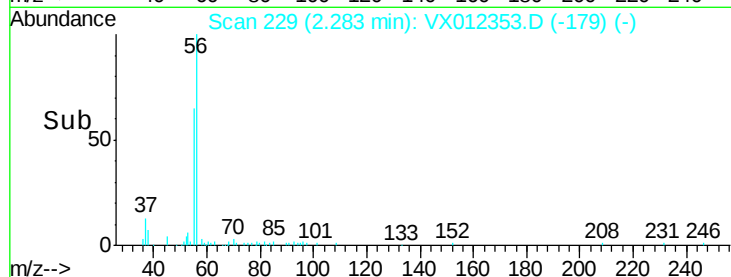
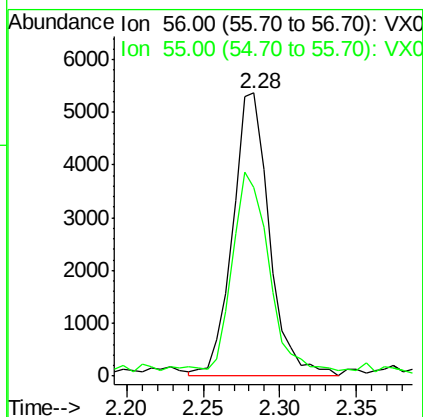
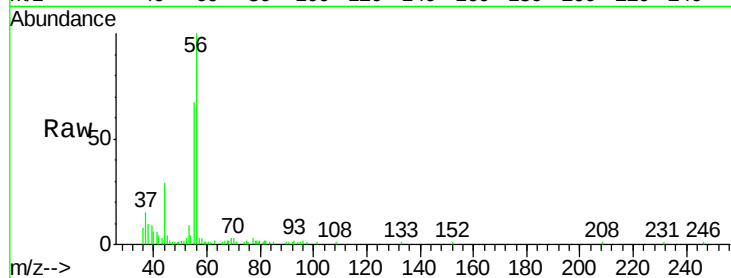
VX0912SBS02

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#14

Allyl chloride

Concen: 19.063 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

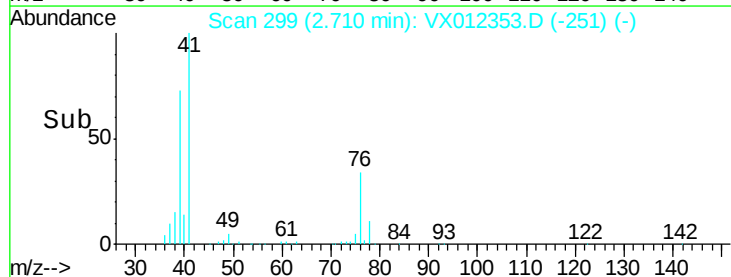
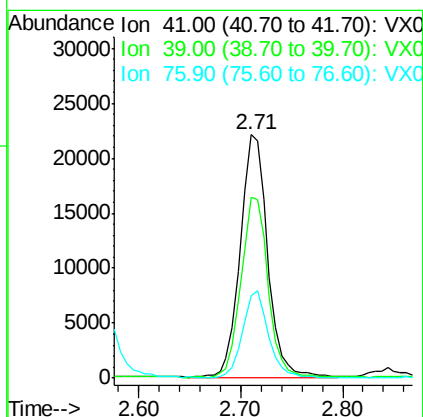
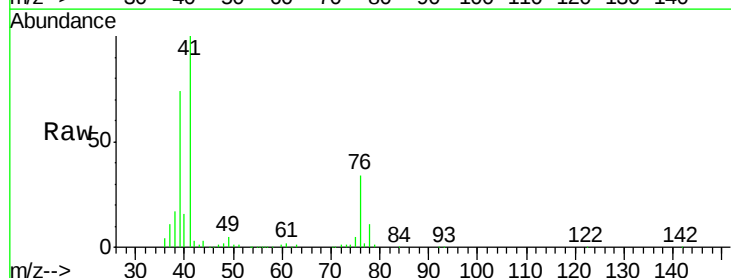
Tgt Ion: 41 Resp: 41107

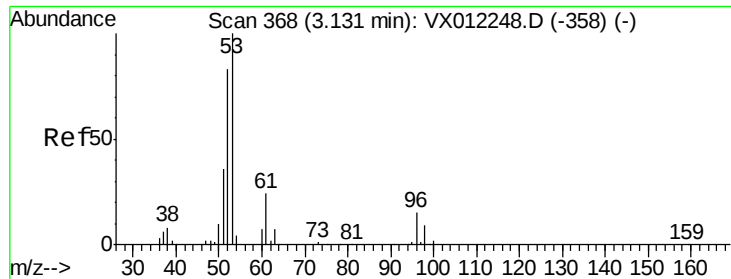
Ion Ratio Lower Upper

41 100

39 74.8 58.6 87.8

76 34.1 26.3 39.5





#15

Acrylonitrile

Concen: 102.696 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

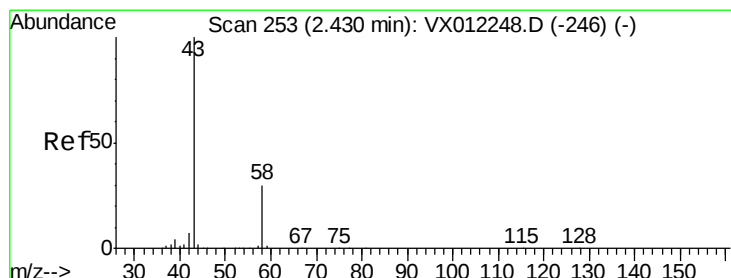
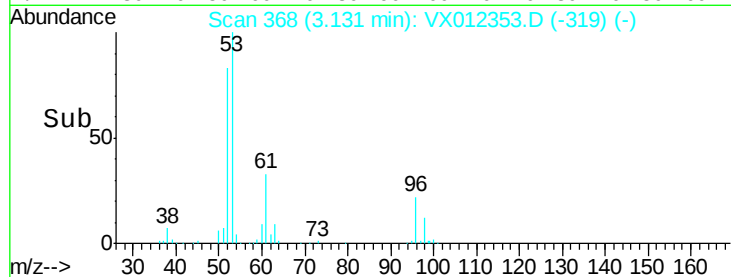
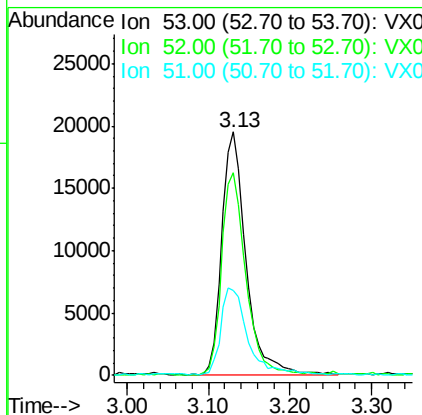
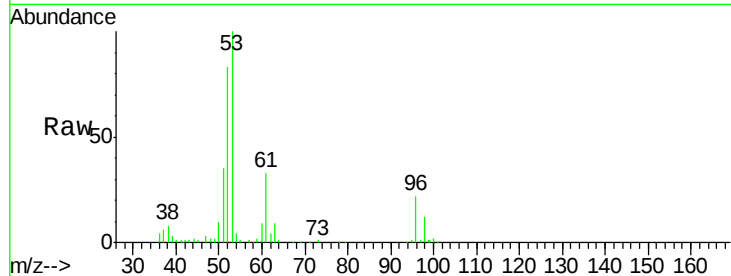
ClientSampleId :

VX0912SBS02

Tot Ion:	53	Resp:	40041
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.8	100.2
51	40.8	30.7	46.1

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#16

Acetone

Concen: 97.077 ug/l

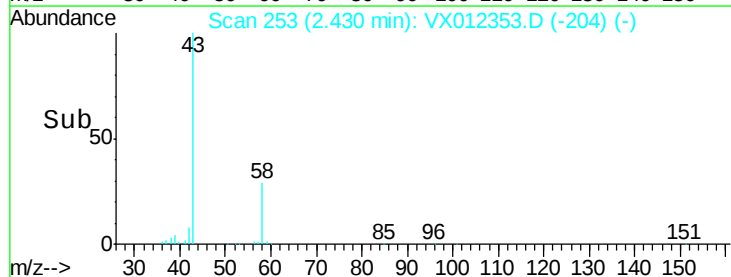
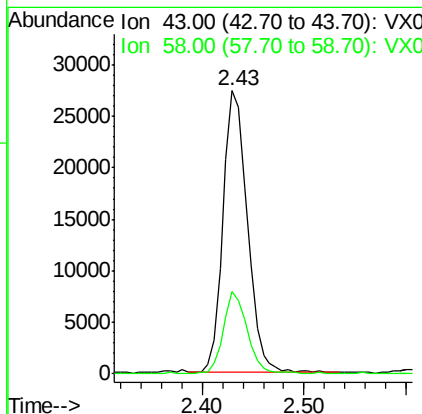
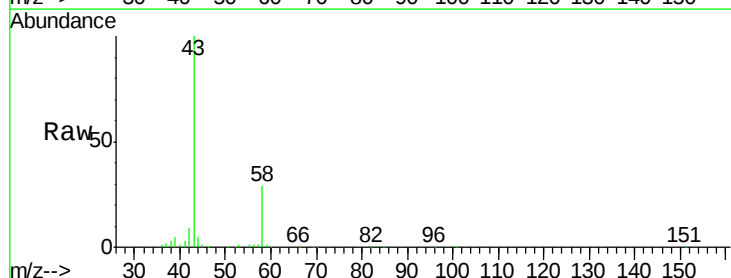
RT: 2.43 min Scan# 253

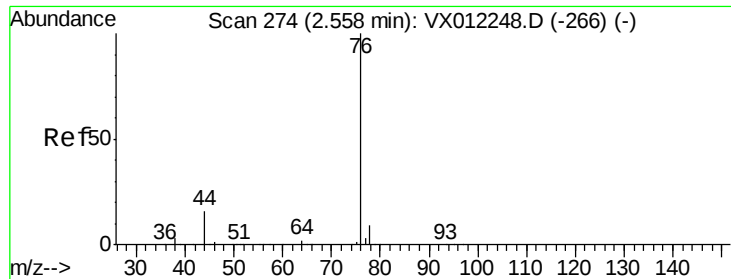
Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion:	43	Resp:	45413
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.6	35.4





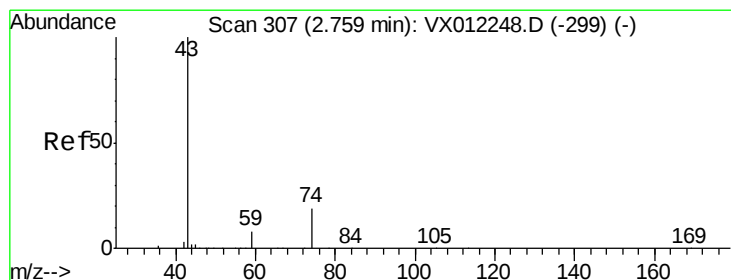
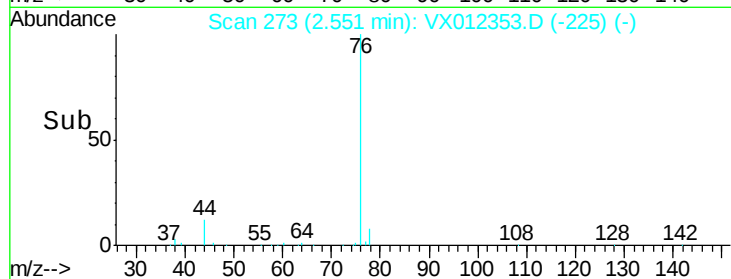
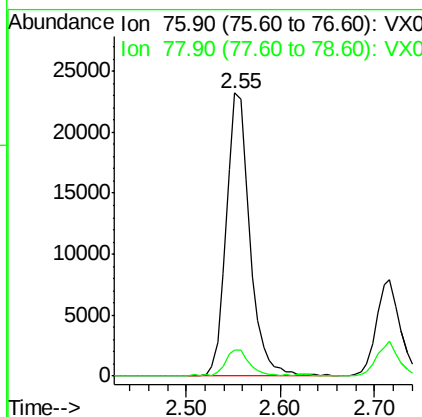
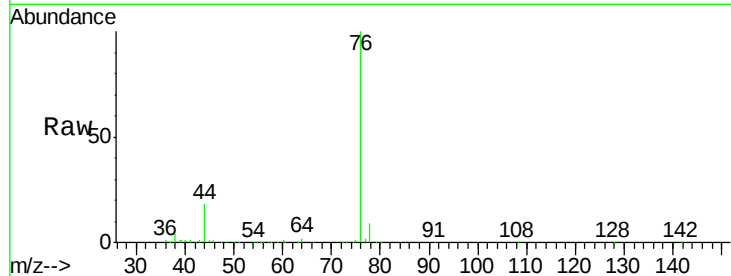
#17
Carbon Disulfide
Concen: 18.176 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

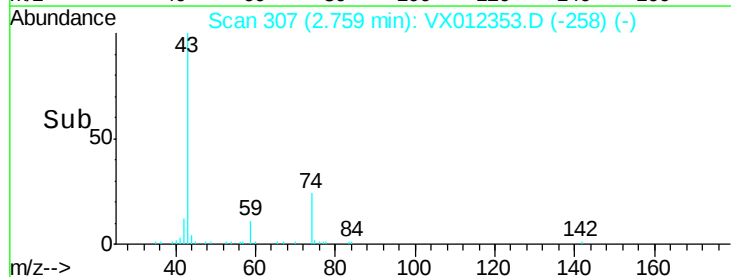
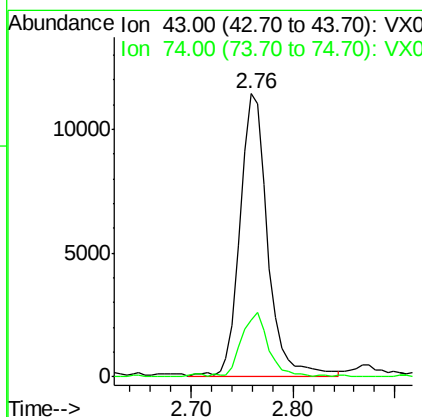
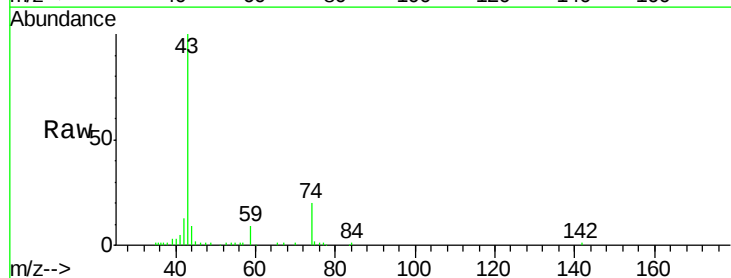
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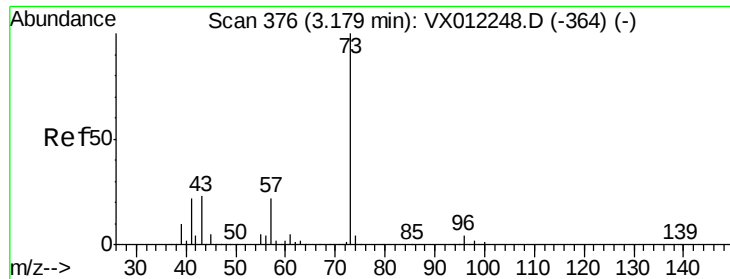
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#18
Methyl Acetate
Concen: 22.087 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	18.3	27.5





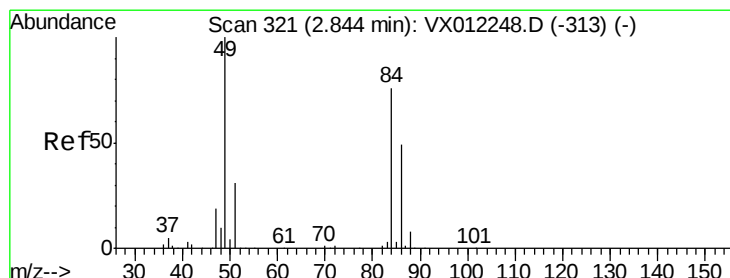
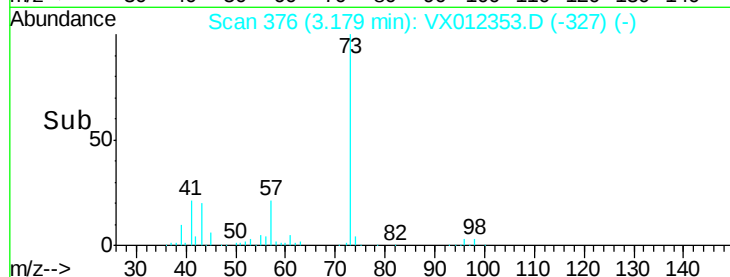
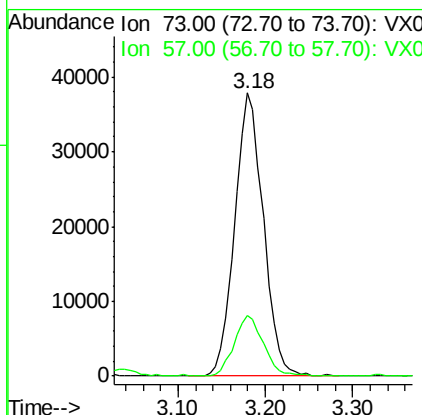
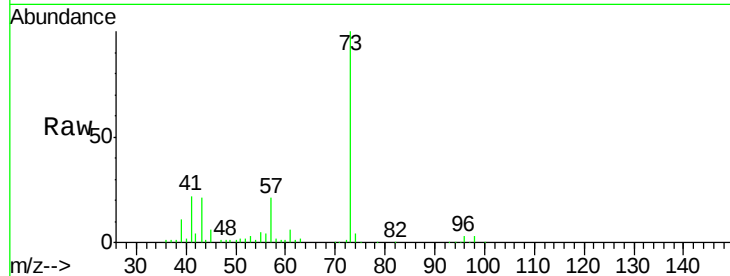
#19
Methvl tert-butvl Ether
Concen: 20.657 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

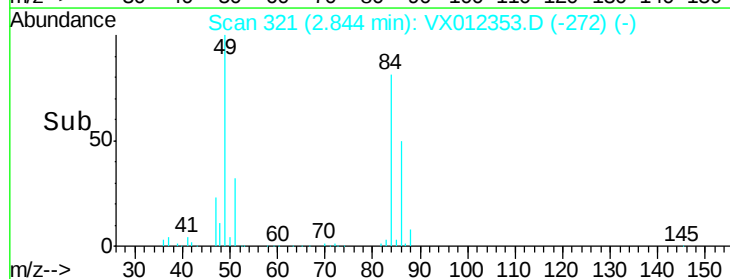
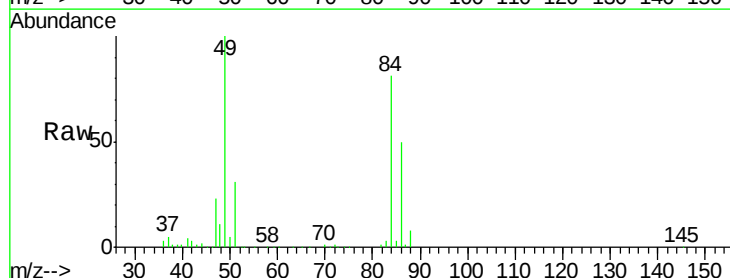
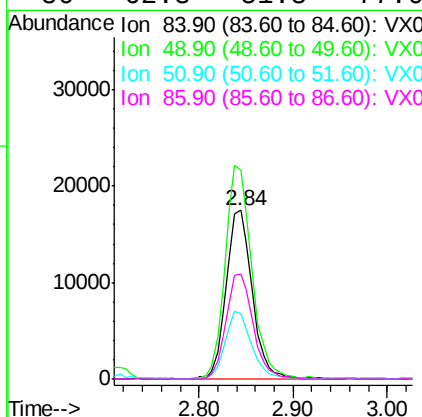
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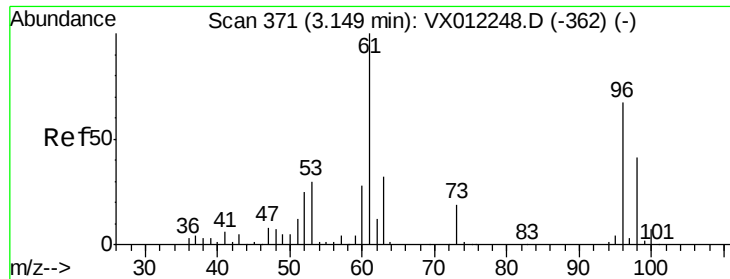
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#20
Methylene Chloride
Concen: 21.612 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	105.0	157.6
51	39.1	32.6	48.8
86	62.3	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 20.439 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

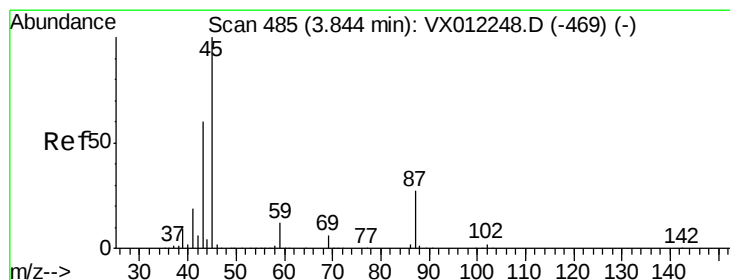
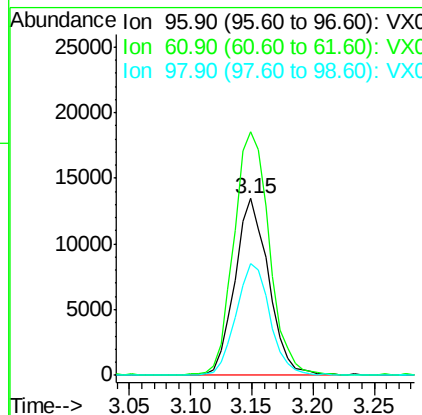
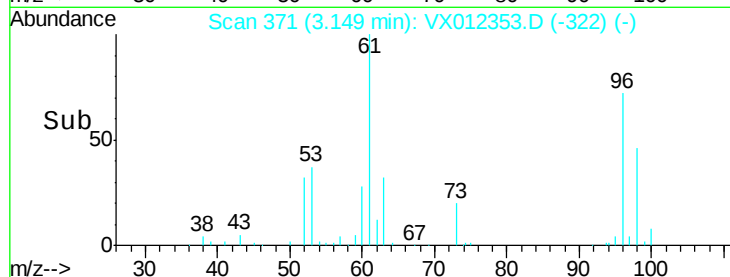
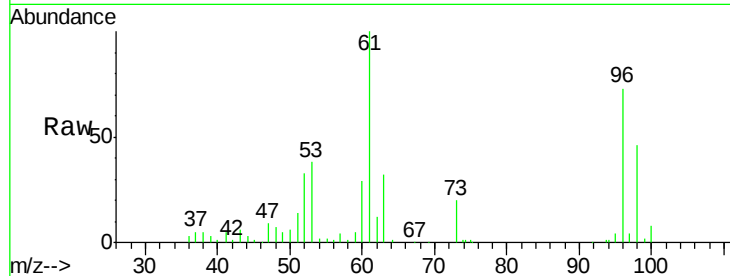
ClientSampleId :

VX0912SBS02

Tot Ion:	96	Resp:	25791
Ion	Ratio	Lower	Upper
96	100		
61	137.7	119.4	179.2
98	63.6	48.4	72.6

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#22

Diisopropyl ether

Concen: 20.480 ug/l

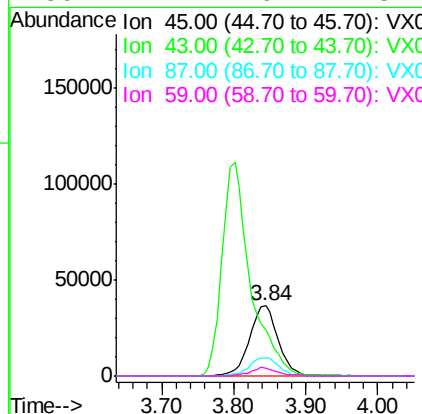
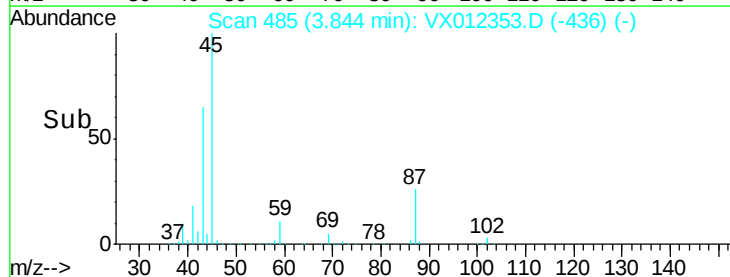
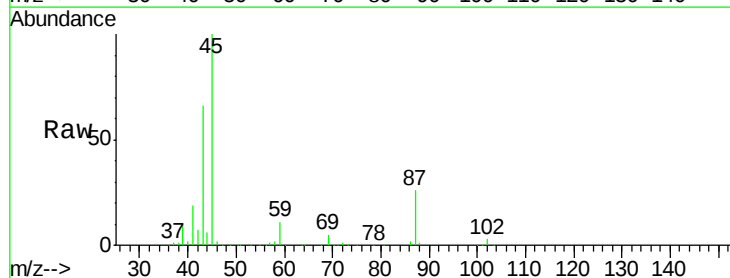
RT: 3.84 min Scan# 485

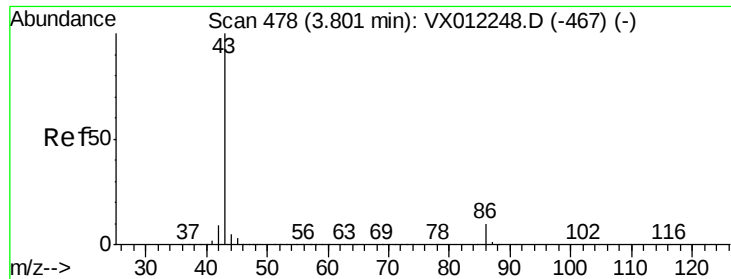
Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion:	45	Resp:	100998
Ion	Ratio	Lower	Upper
45	100		
43	65.5	48.3	72.5
87	26.4	21.8	32.8
59	11.4	9.1	13.7





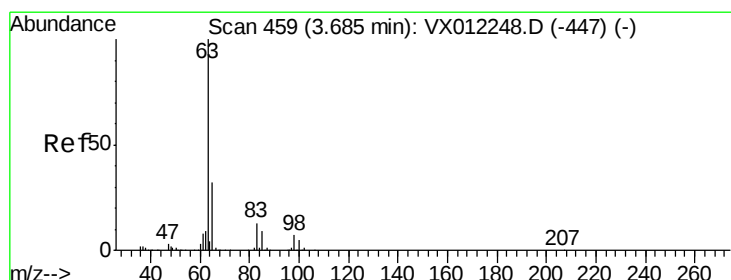
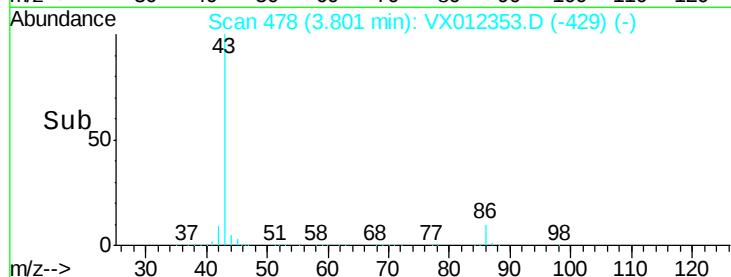
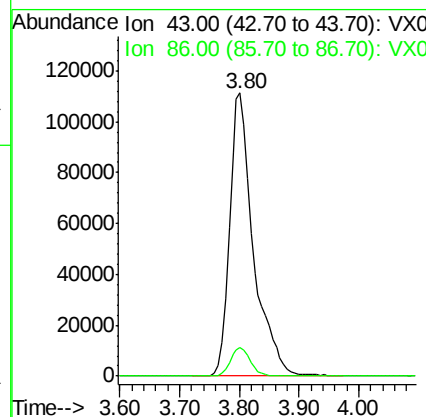
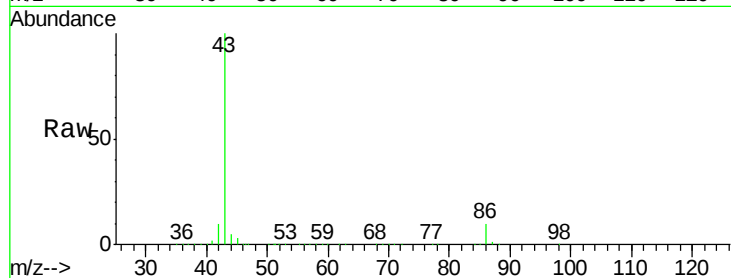
#23
 Vinyl Acetate
 Concen: 101.430 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5

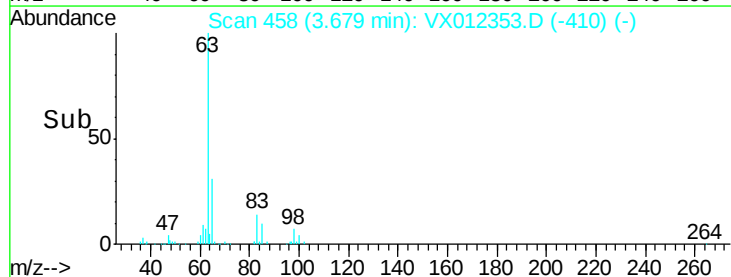
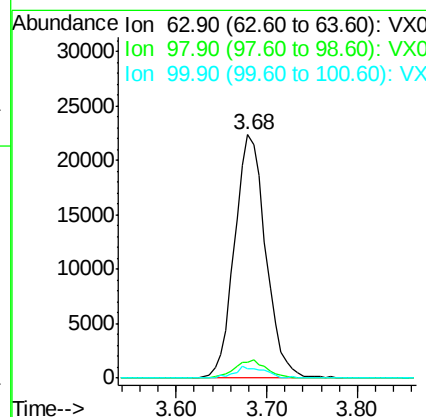
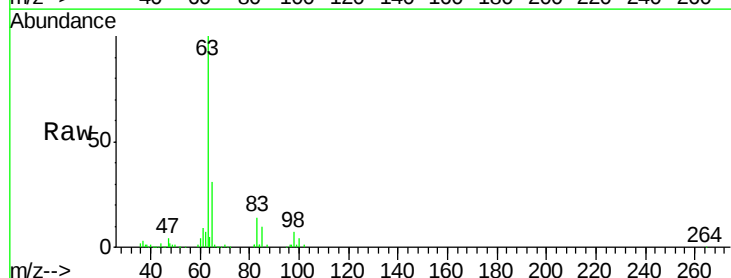
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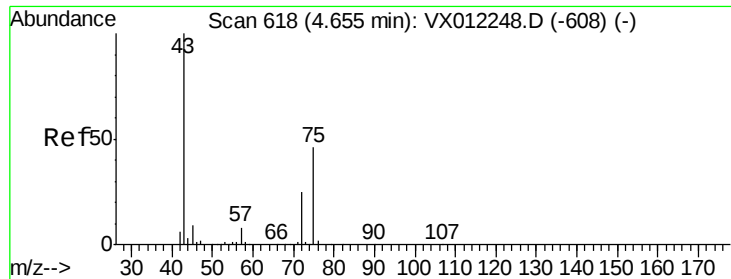
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#24
 1,1-Dichloroethane
 Concen: 20.225 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.0	2.4	7.2





#25

2-Butanone

Concen: 101.411 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tot Ion: 43 Resp: 60646

Ion Ratio Lower Upper

43 100

72 25.1 20.2 30.2

Instrument :

MSVOA_X

ClientSampleId :

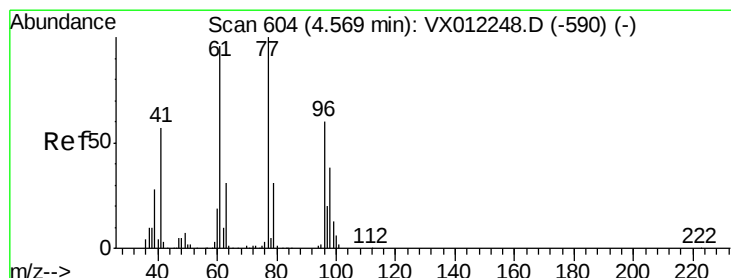
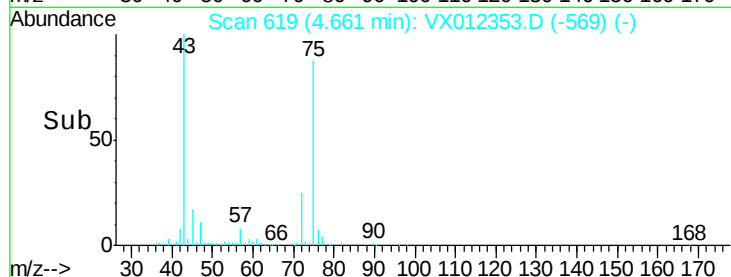
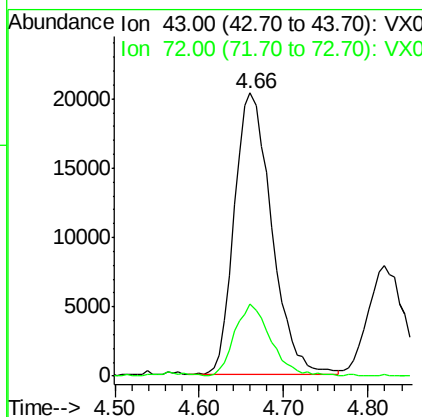
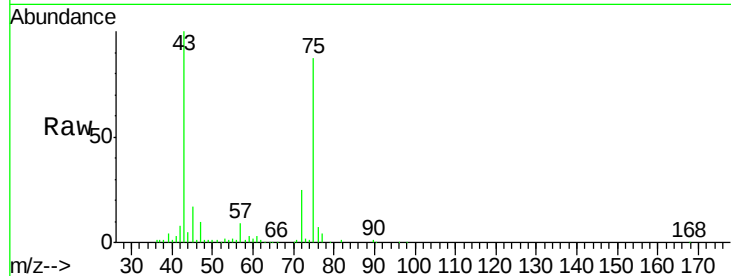
VX0912SBS02

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#26

2,2-Dichloropropane

Concen: 19.418 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012353.D

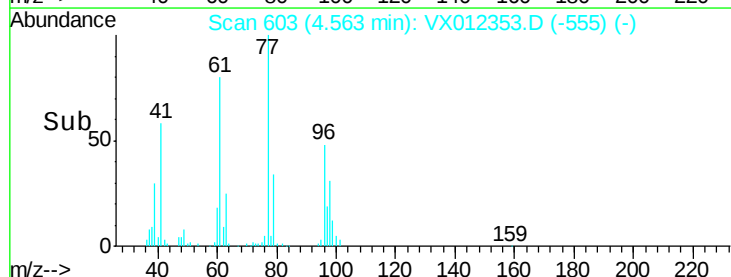
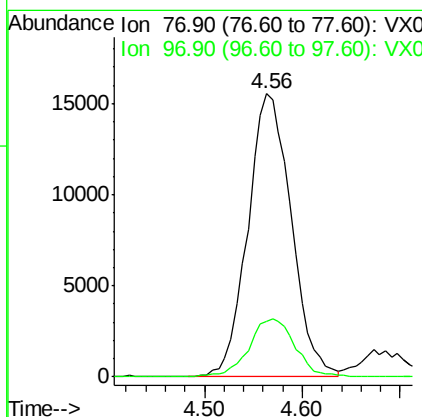
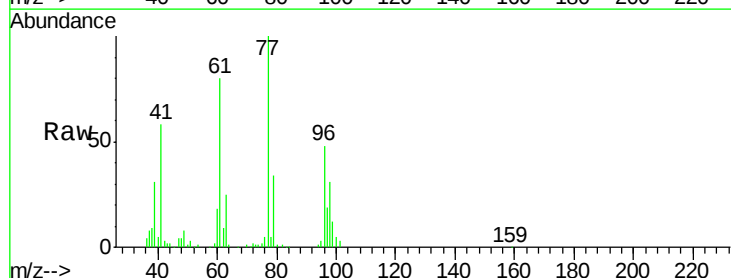
Acq: 12 Sep 2019 17:55

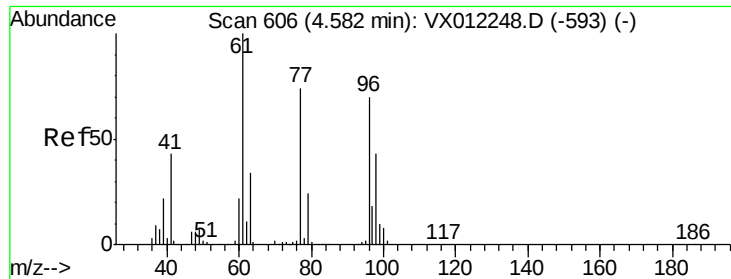
Tgt Ion: 77 Resp: 48157

Ion Ratio Lower Upper

77 100

97 21.6 10.7 32.1





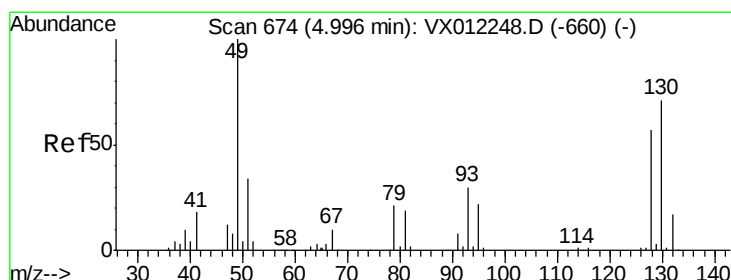
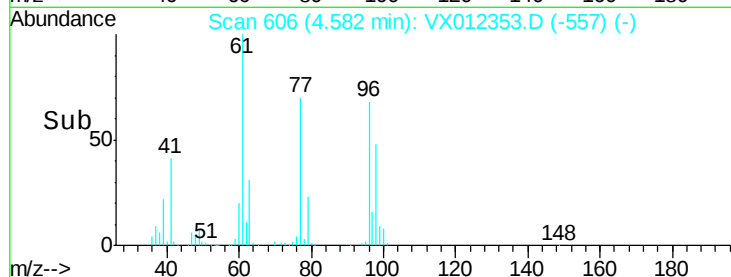
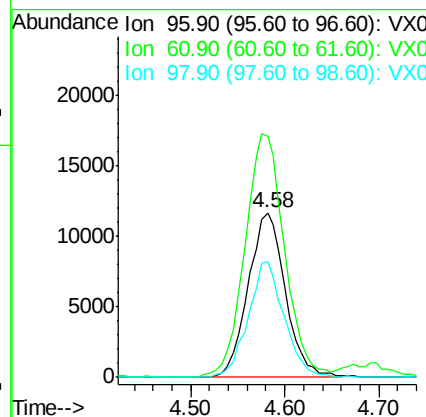
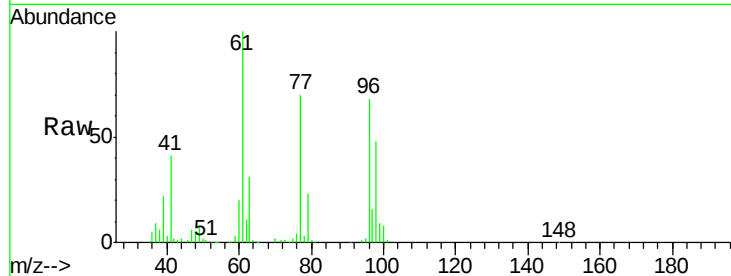
#27
 cis-1,2-Dichloroethene
 Concen: 19.779 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32222		
61	157.3		0.0	310.4
98	68.2		0.0	128.8

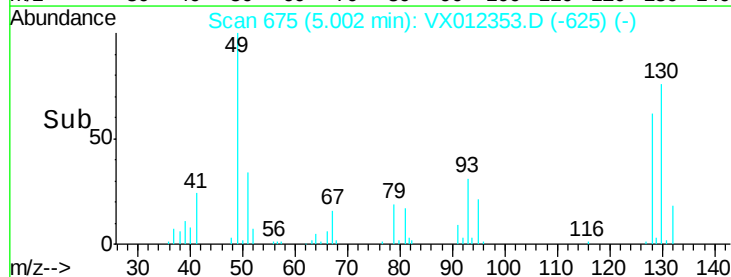
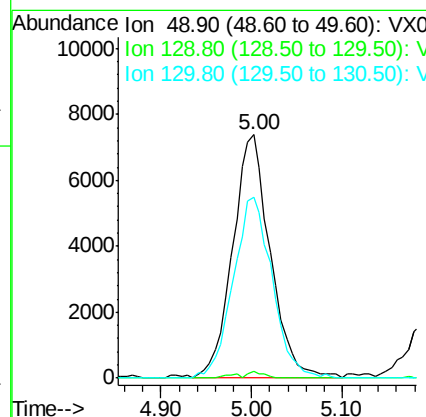
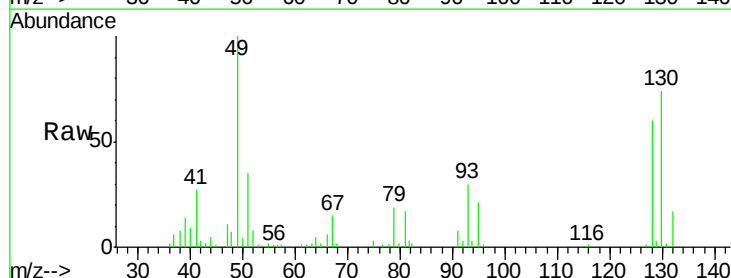
Manual Integrations
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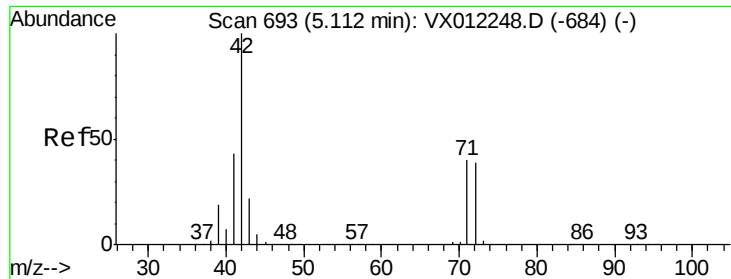
MMDadoda
 9/13/2019 10:11:54 AM



#28
 Bromochloromethane
 Concen: 17.182 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21286		
129	1.1		0.0	5.2
130	76.9		60.1	90.1





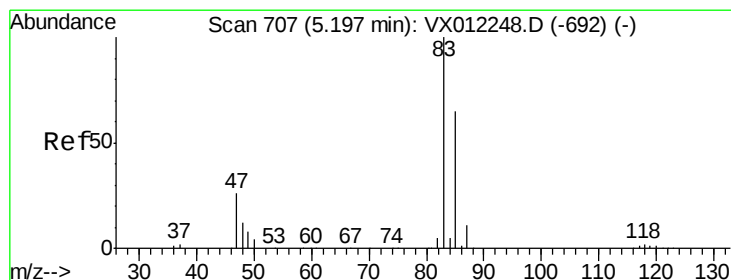
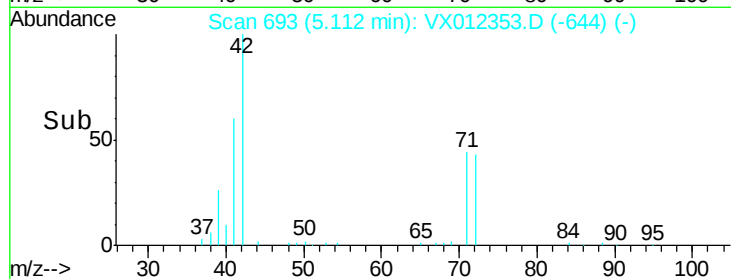
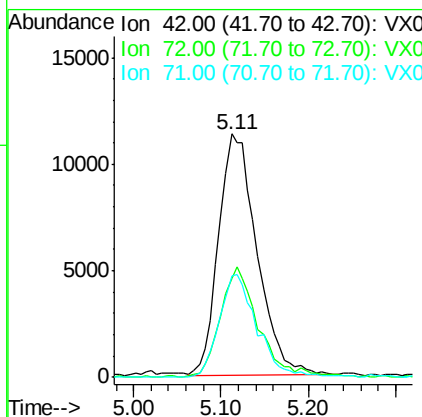
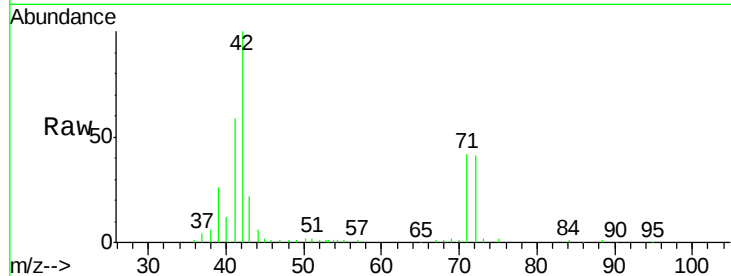
#29
Tetrahydrofuran
Concen: 106.717 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.2	52.8
71	42.0	32.5	48.7

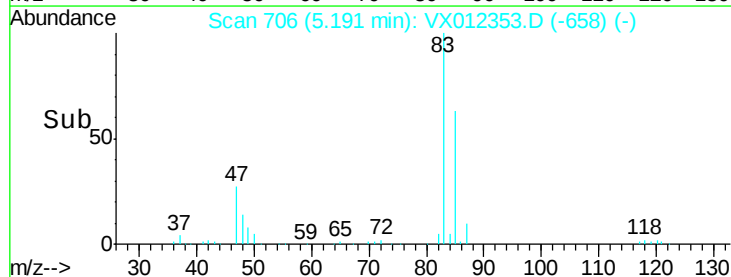
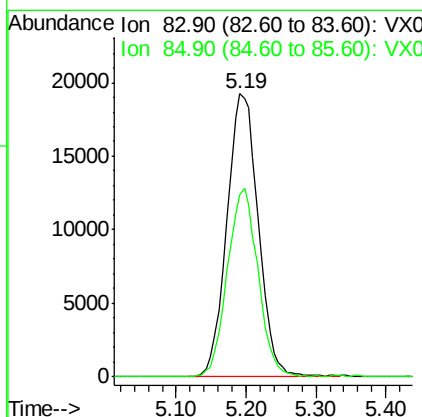
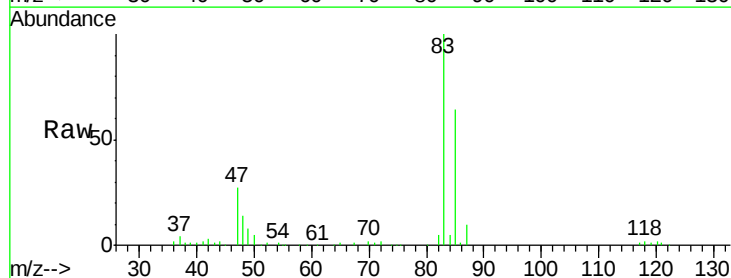
Manual Integrations
APPROVED

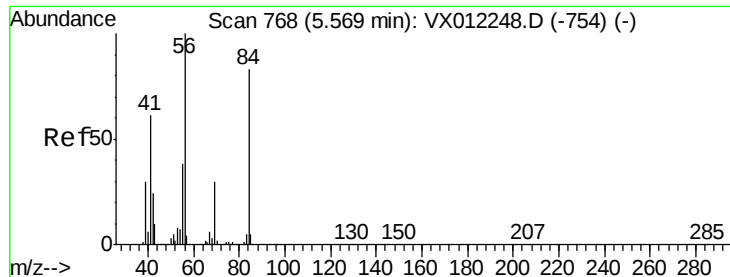
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#30
Chloroform
Concen: 20.106 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5





#31

Cyclohexane

Concen: 18.884 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

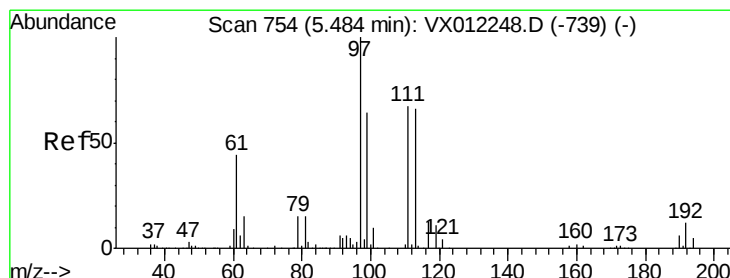
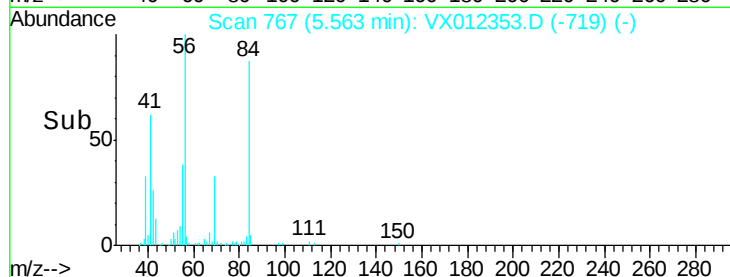
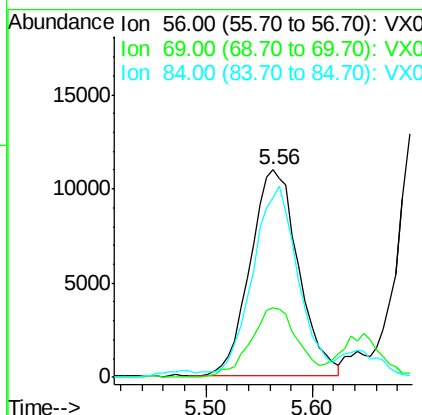
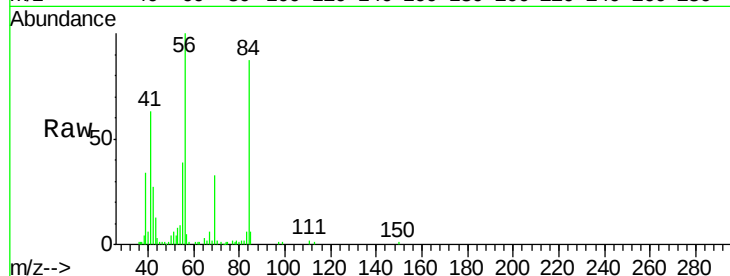
ClientSampleId :

VX0912SBS02

Tot Ion:	56	Resp:	34650
Ion	Ratio	Lower	Upper
56	100		
69	33.7	23.8	35.6
84	84.3	66.6	100.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.636 ug/l

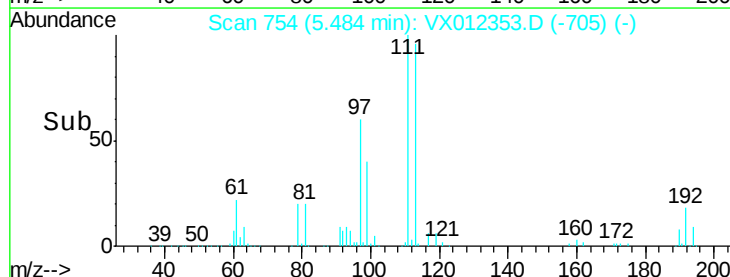
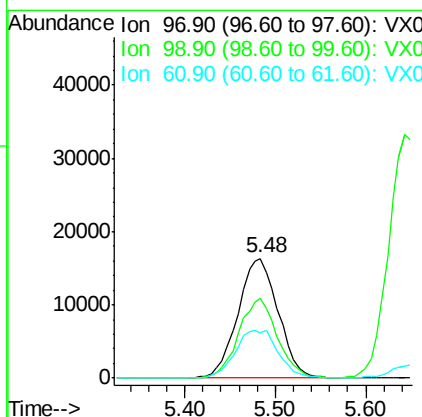
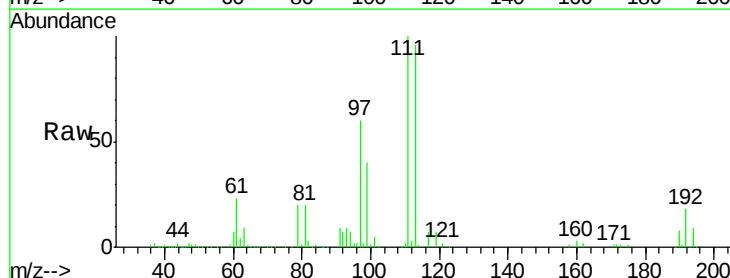
RT: 5.48 min Scan# 754

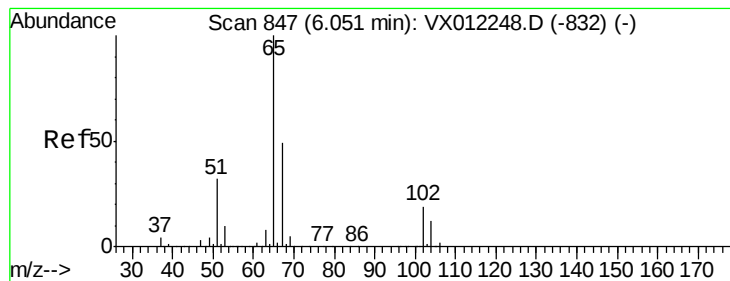
Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion:	97	Resp:	50223
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	42.9	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 47.622 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 65 Resp: 94106

Ion Ratio Lower Upper

65 100

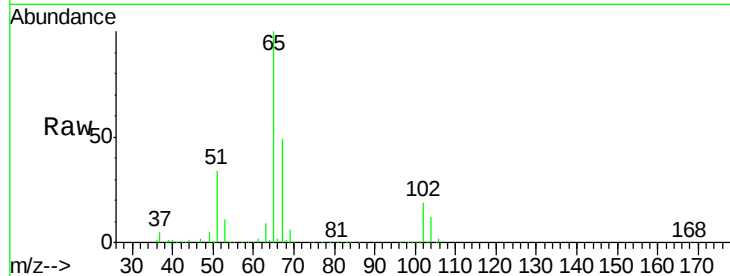
67 50.6 0.0 99.8

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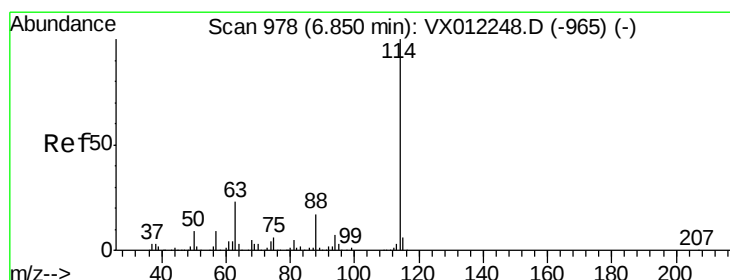
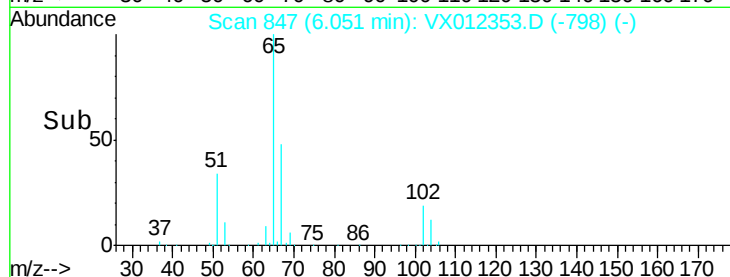
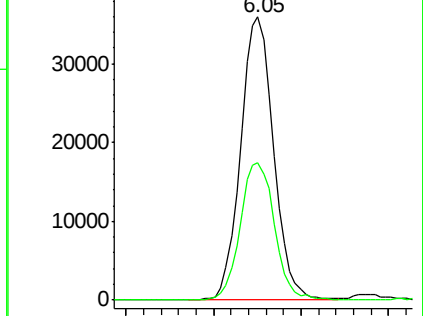
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

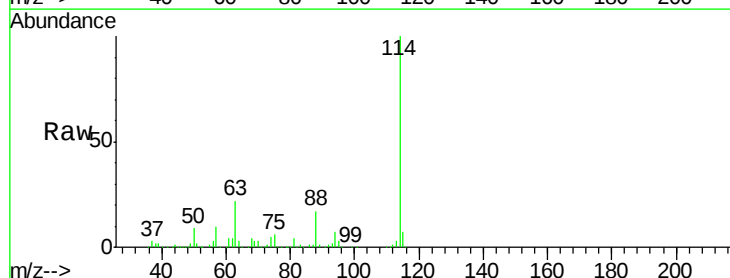
Tgt Ion: 114 Resp: 245964

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.2

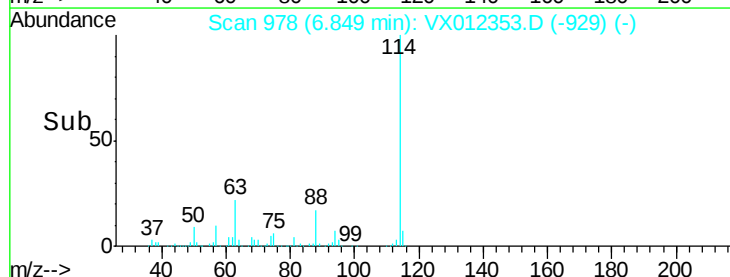
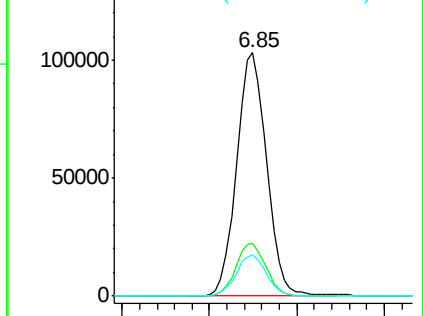
88 16.8 0.0 34.8

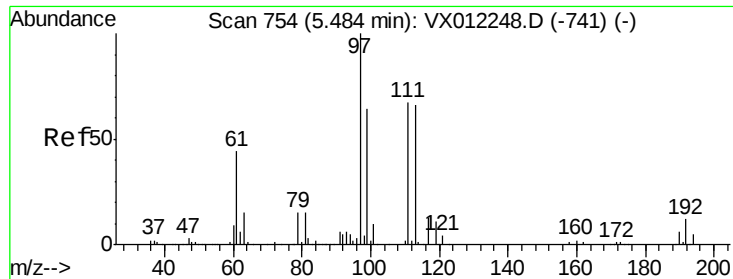


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





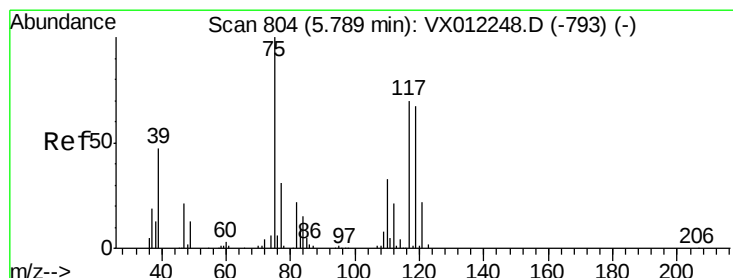
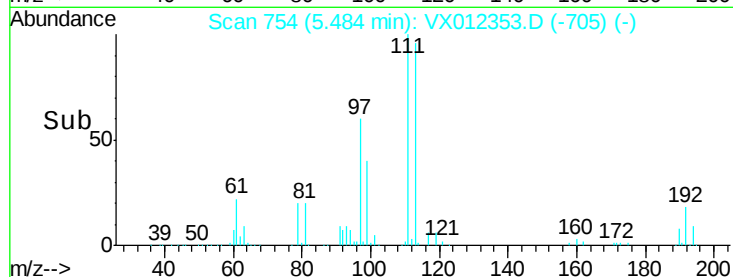
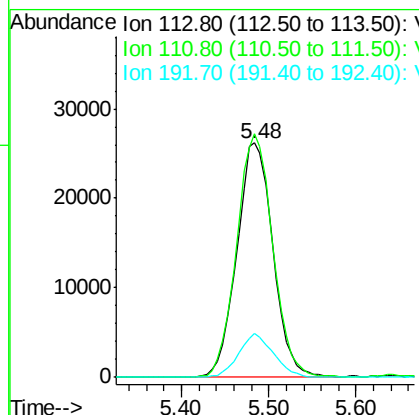
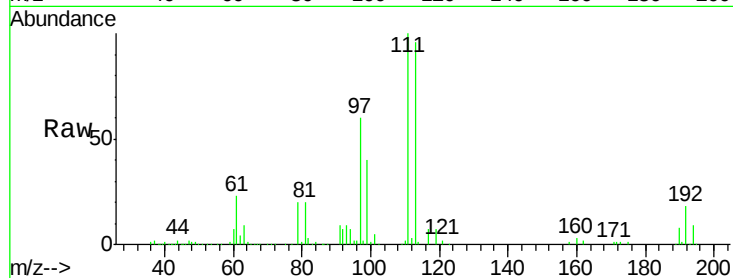
#35
 Dibromofluoromethane
 Concen: 47.654 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	75138		
111	104.0	83.0	124.6	
192	18.0	14.3	21.5	

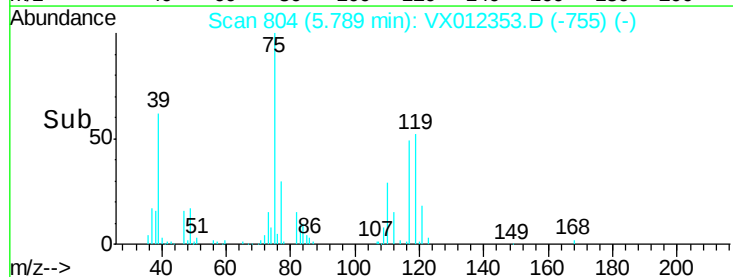
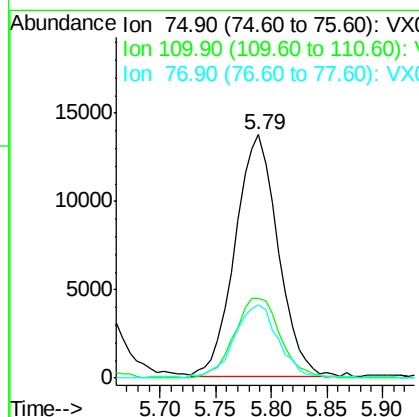
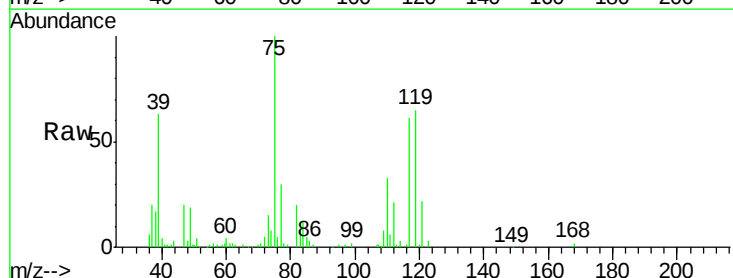
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#36
 1,1-Dichloropropene
 Concen: 20.426 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36634		
110	35.5	16.8	50.4	
77	31.6	24.5	36.7	





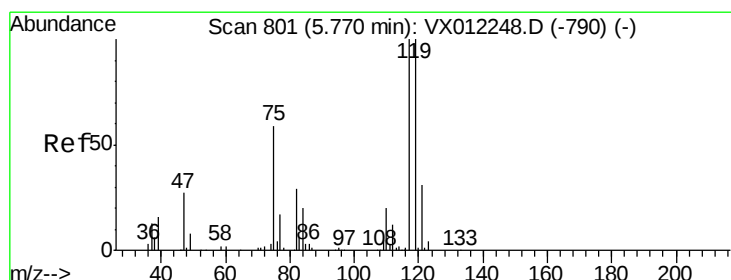
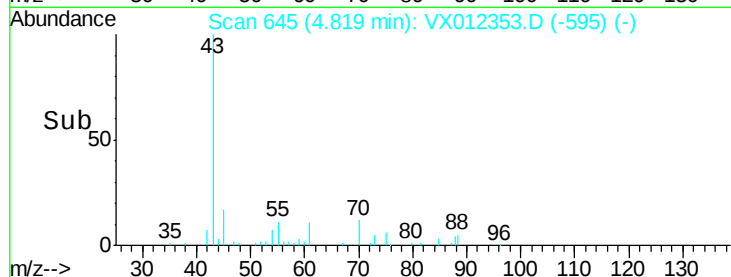
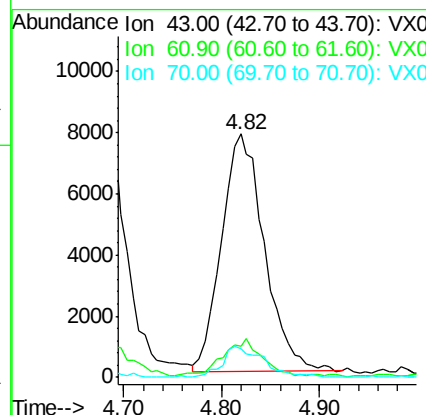
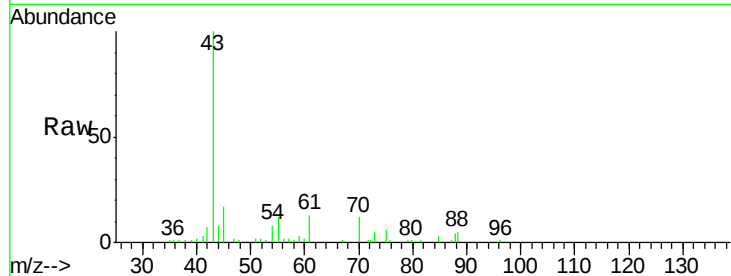
#37
Ethyl Acetate
Concen: 21.133 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleID :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.3	15.5
70	12.7	9.1	13.7

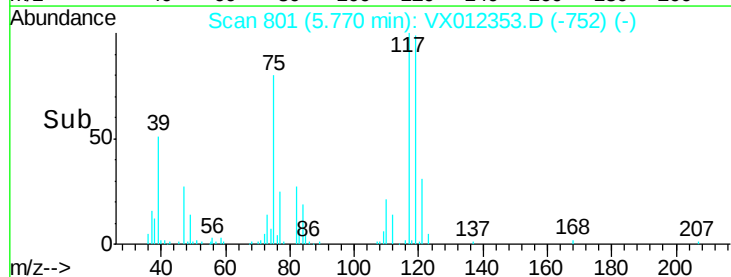
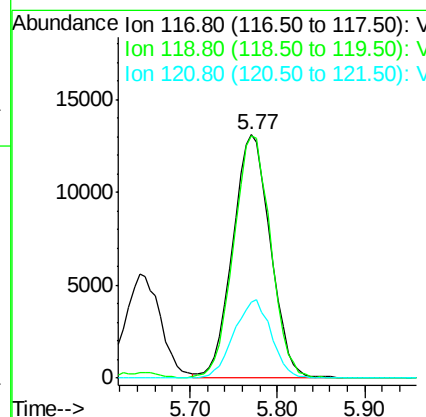
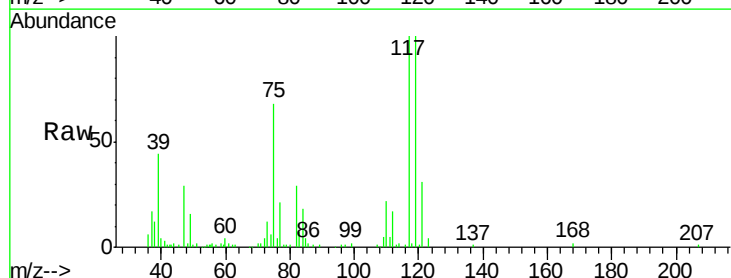
Manual Integrations
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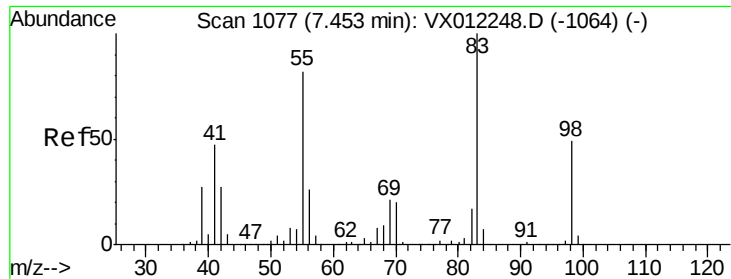
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#38
Carbon Tetrachloride
Concen: 18.719 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	79.6	119.4
121	31.4	24.7	37.1





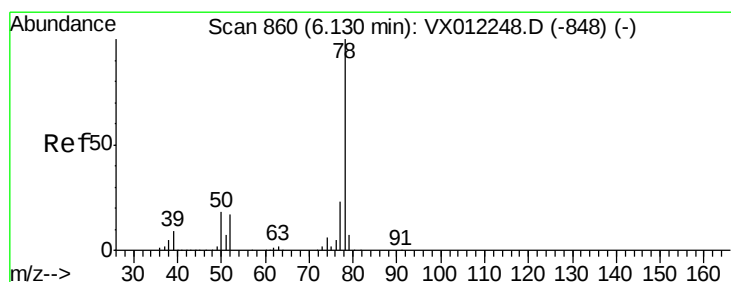
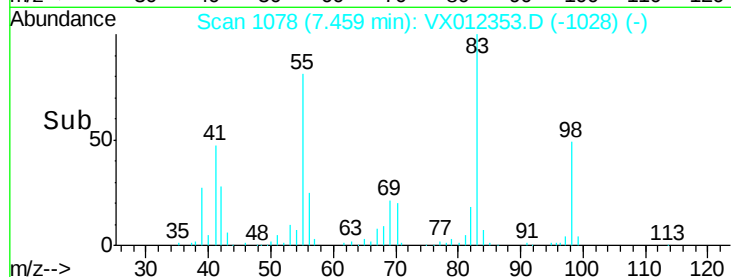
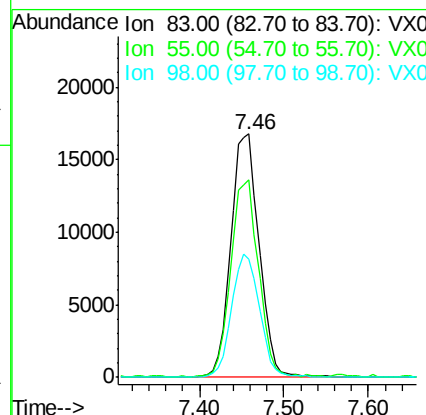
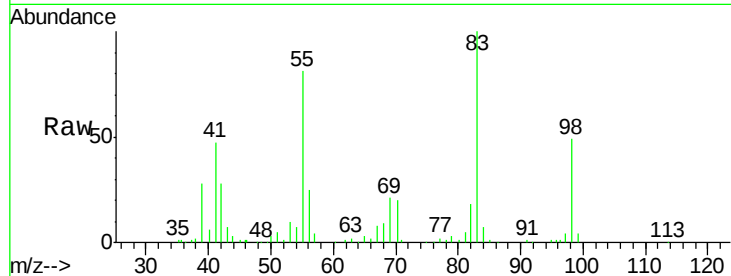
#39
Methvlcvclohexane
Concen: 19.530 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.8	65.4	98.2	
98	48.7	39.6	59.4	

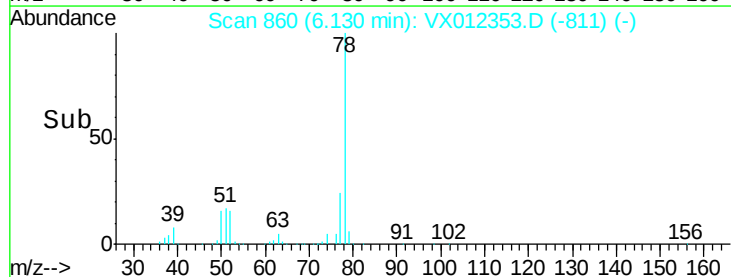
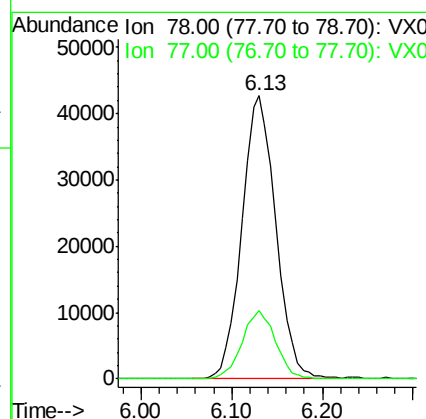
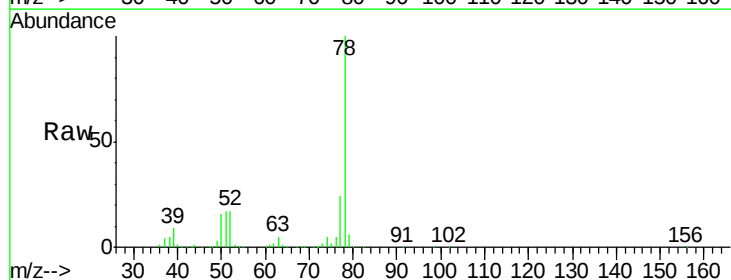
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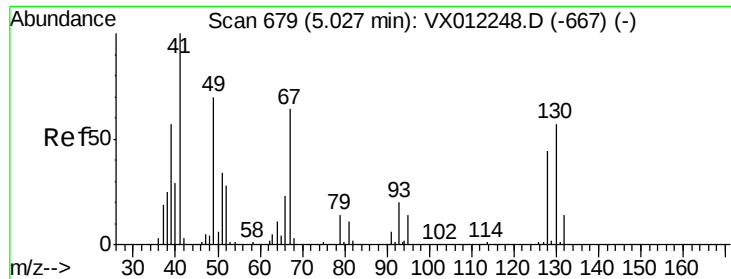
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#40
Benzene
Concen: 20.379 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.0	27.0	





#41

Methacrylonitrile

Concen: 20.915 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 41 Resp: 14295

Ion Ratio Lower Upper

41 100

39 55.4 49.0 73.4

67 71.3 55.0 82.4

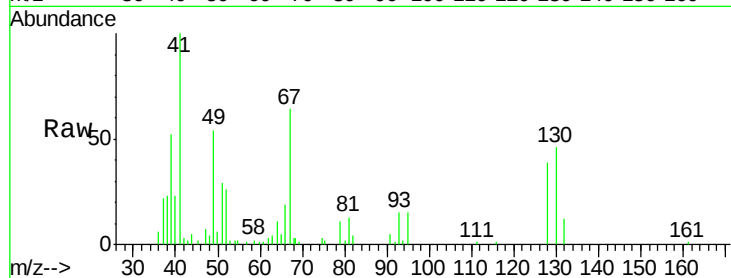
52 32.0 25.4 38.0

Manual Integrations

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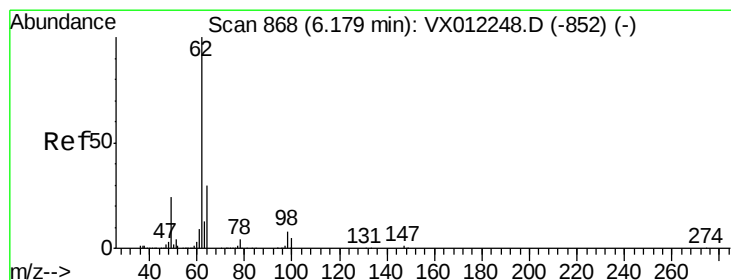
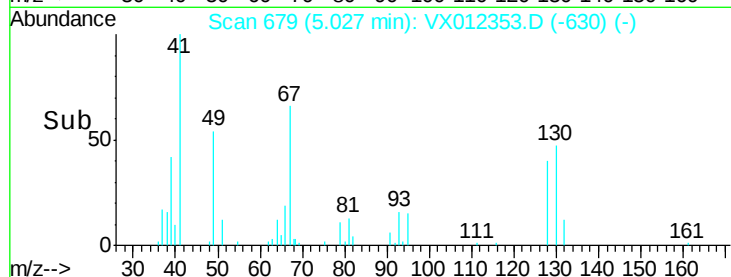
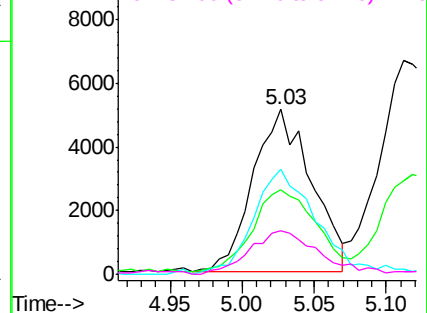
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.254 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX012353.D

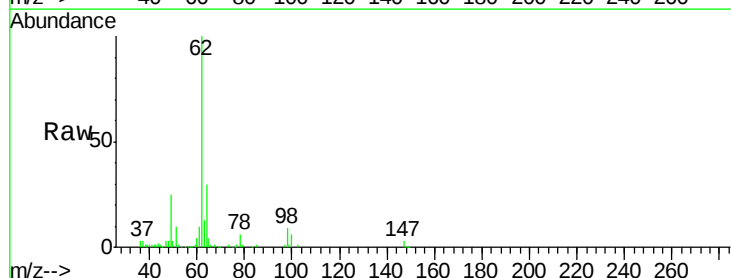
Acq: 12 Sep 2019 17:55

Tgt Ion: 62 Resp: 45597

Ion Ratio Lower Upper

62 100

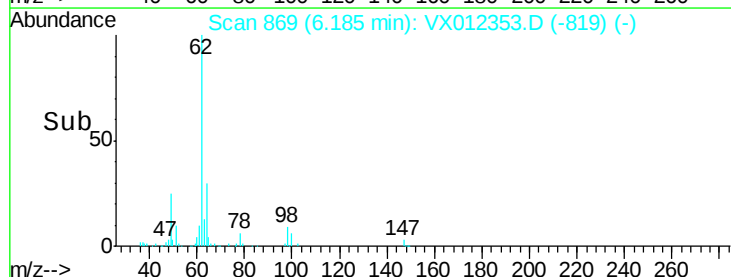
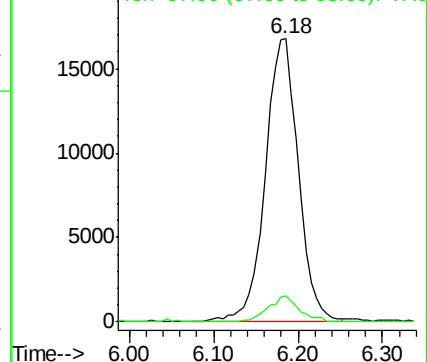
98 8.7 0.0 17.2

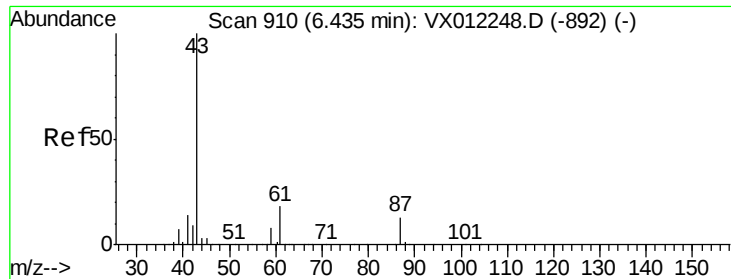


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

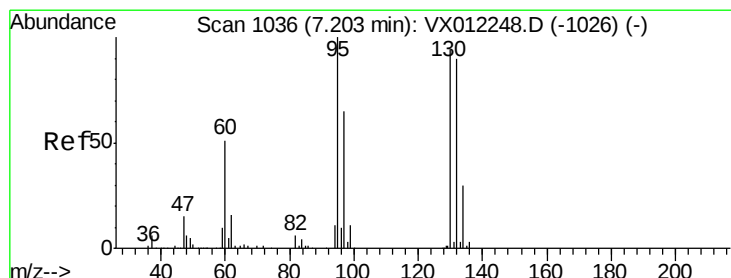
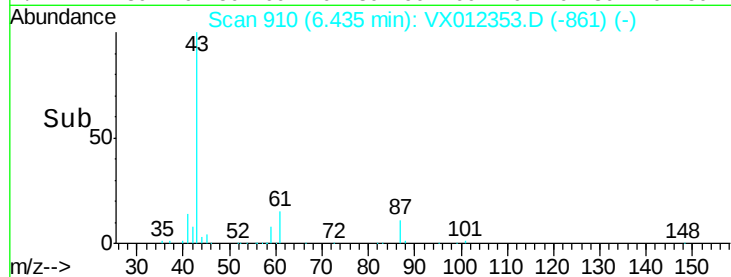
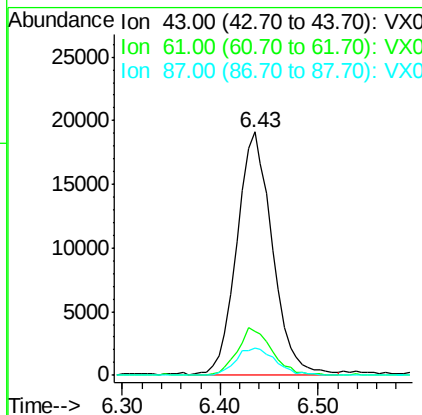
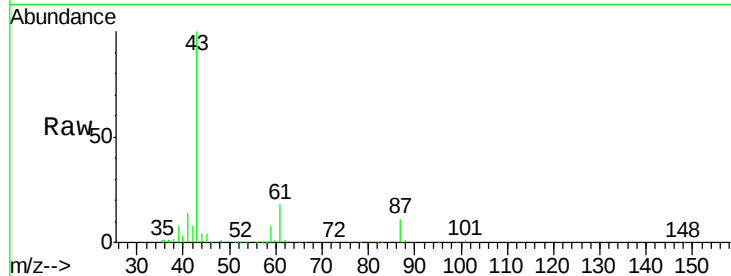
Isopropyl Acetate
 Concen: 20.437 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.2
87	12.7	10.5	15.7

Manual Integrations
 APPROVED

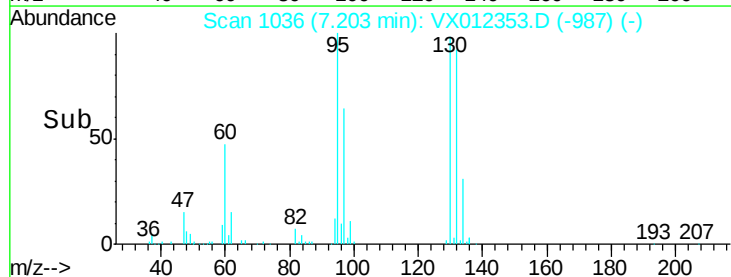
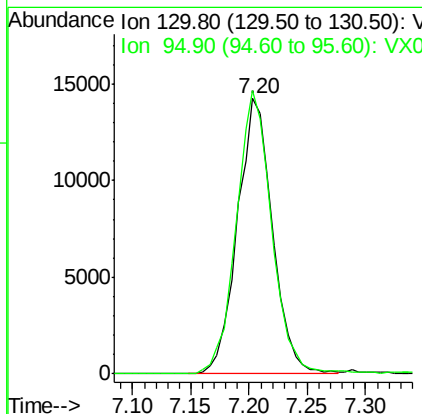
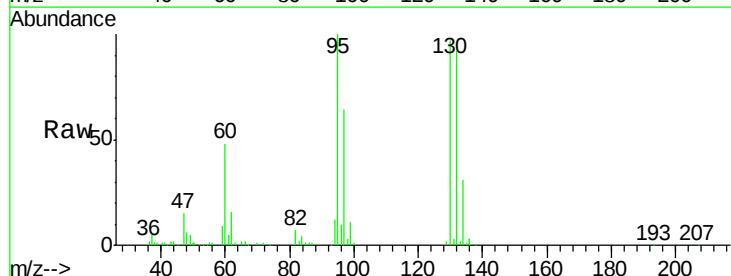
MMDadoda
 9/13/2019 10:11:54 AM

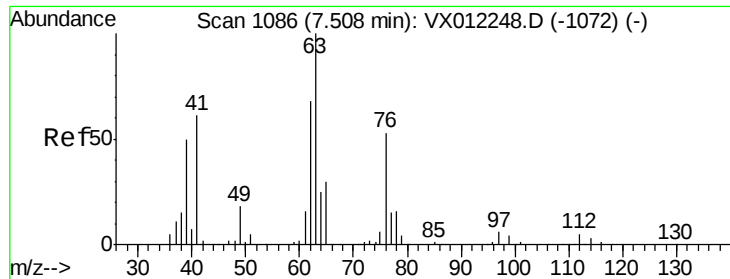


#44

Trichloroethene
 Concen: 20.391 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	212.0





#45

1,2-Dichloropropane

Concen: 20.200 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 63 Resp: 30351

Ion Ratio Lower Upper

63 100

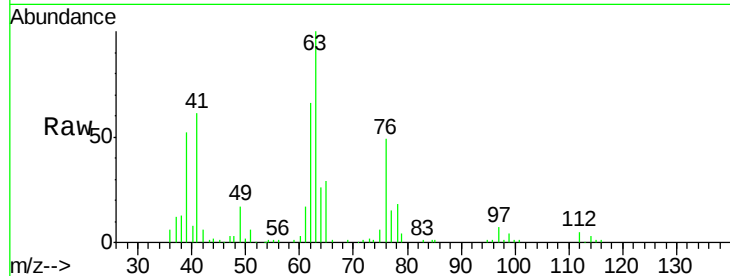
65 28.8 24.3 36.5

Manual Integrations

APPROVED

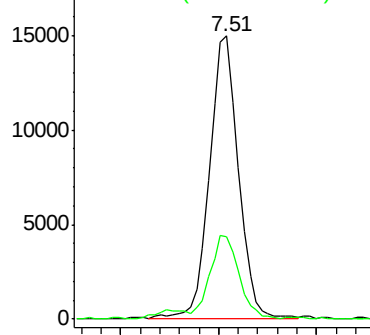
MMDadoda

9/13/2019 10:11:54 AM

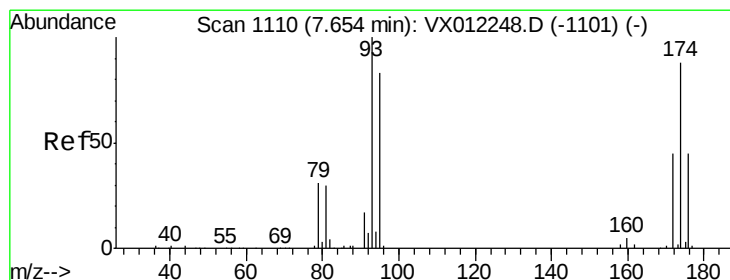
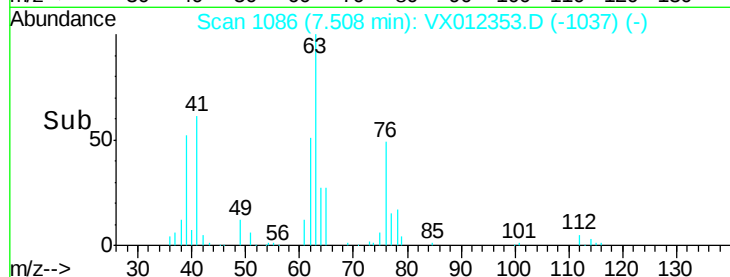


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



Time-->



#46

Dibromomethane

Concen: 21.587 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

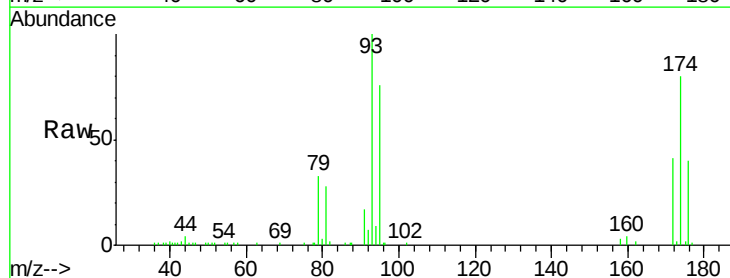
Tgt Ion: 93 Resp: 17727

Ion Ratio Lower Upper

93 100

95 82.6 65.7 98.5

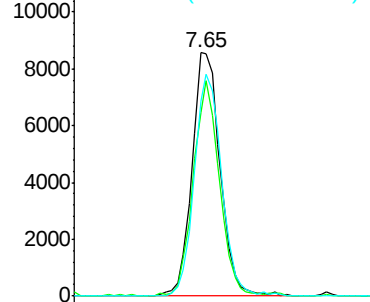
174 87.7 71.0 106.4



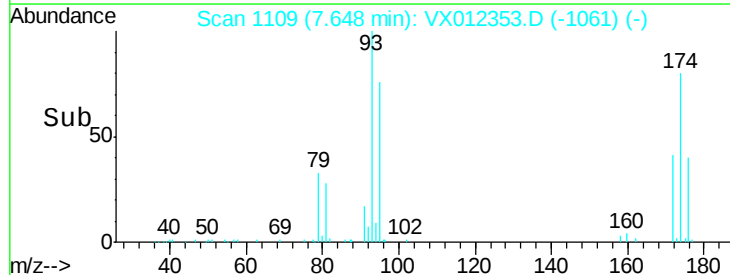
Abundance Ion 92.80 (92.50 to 93.50): VX0

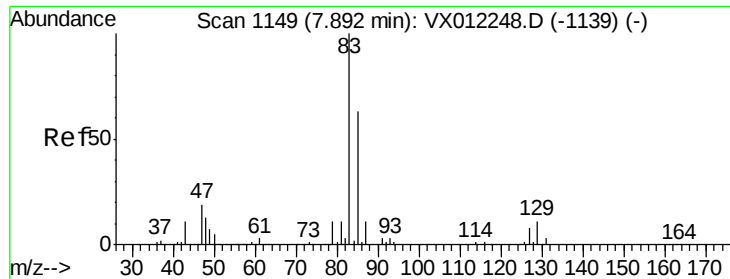
Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



Time-->





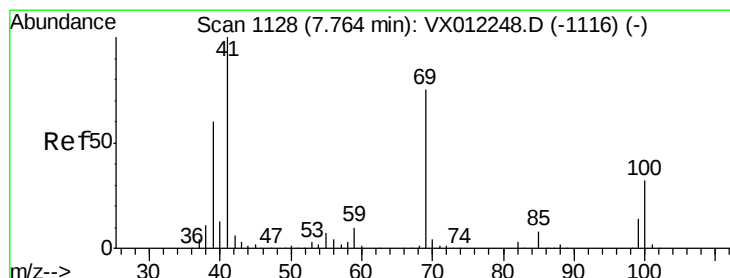
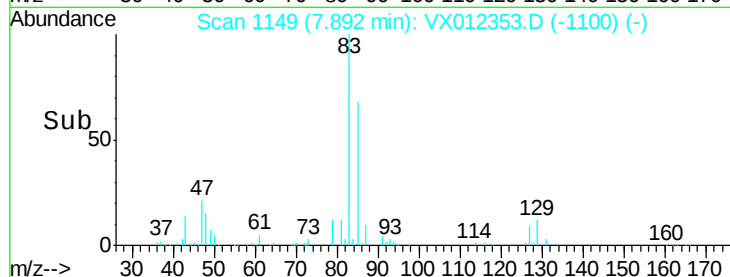
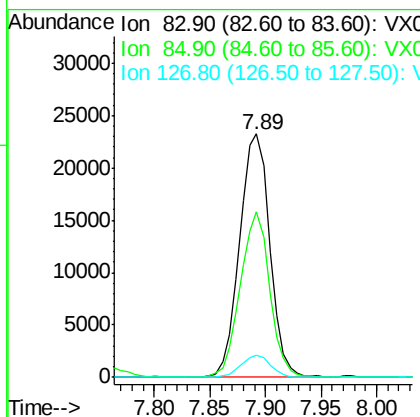
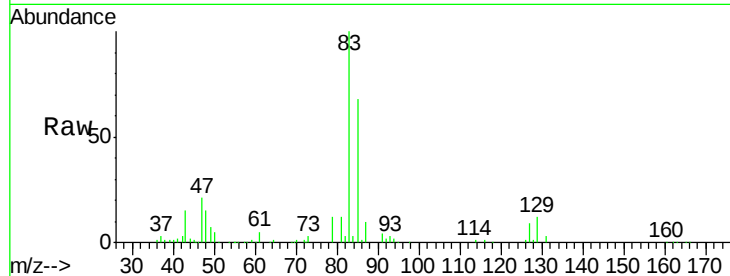
#47
Bromodichloromethane
Concen: 19.591 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	83	Resp	43902
Ion Ratio	100	Lower	Upper
83	100		
85	67.6	50.2	75.4
127	9.3	6.3	9.5

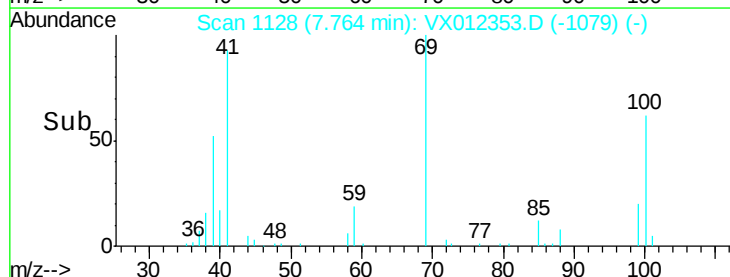
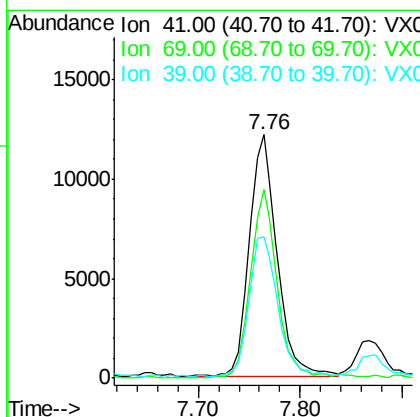
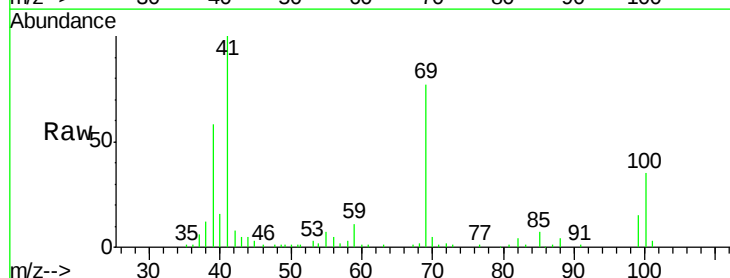
Manual Integrations
APPROVED

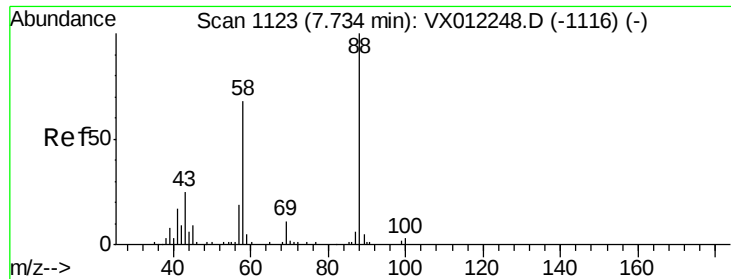
MMDadoda
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#48
Methyl methacrylate
Concen: 20.437 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	41	Resp	22865
Ion Ratio	100	Lower	Upper
41	100		
69	75.8	61.8	92.6
39	60.2	48.6	73.0





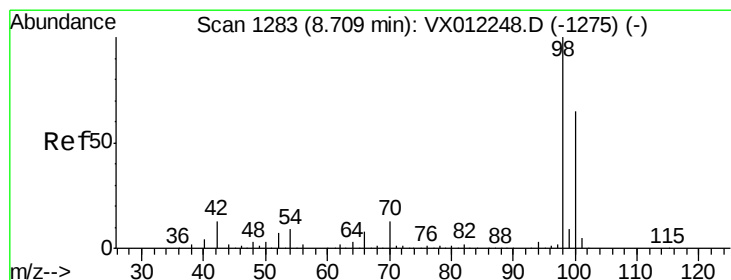
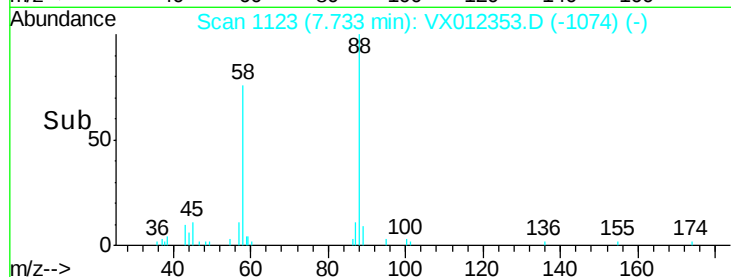
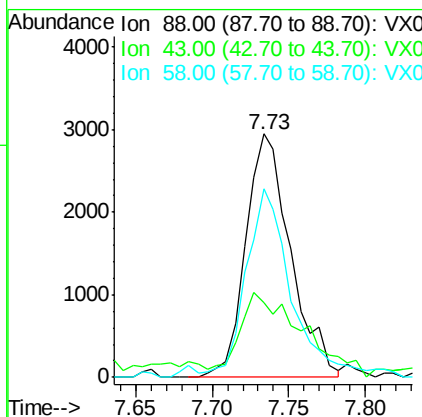
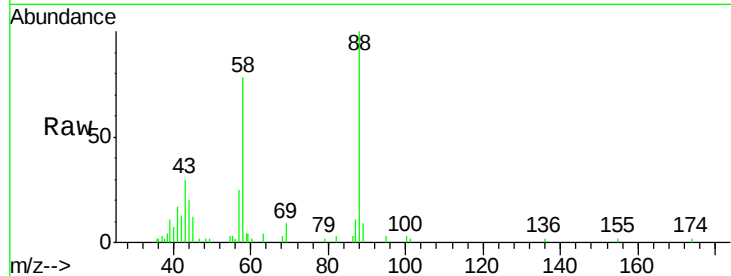
#49
1,4-Dioxane
Concen: 398.287 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.4	31.0	46.4#
58	79.0	61.5	92.3

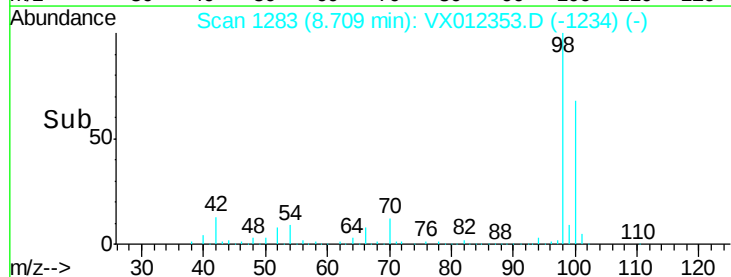
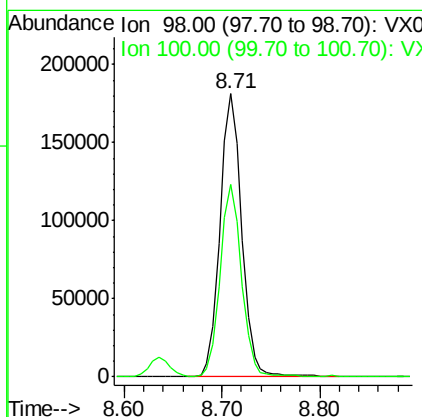
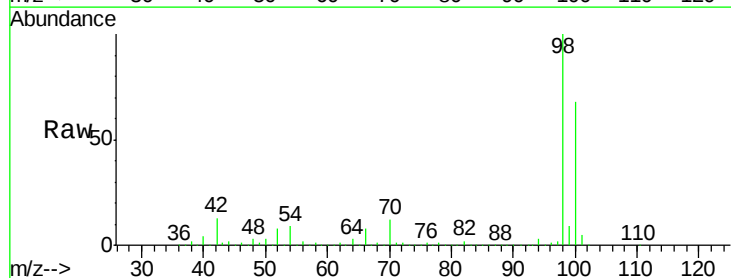
Manual Integrations
APPROVED

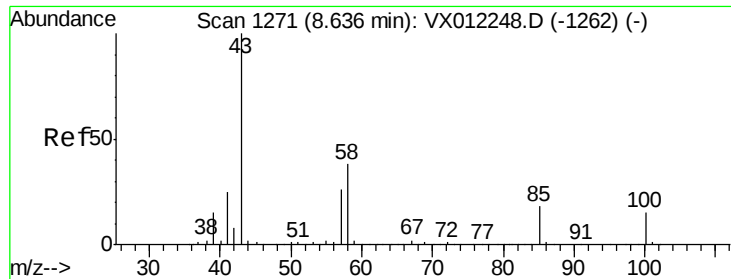
MMDadoda
9/13/2019 10:11:54 AM



#50
Toluene-d8
Concen: 50.727 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 102.342 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 43 Resp: 126252

Ion Ratio Lower Upper

43 100

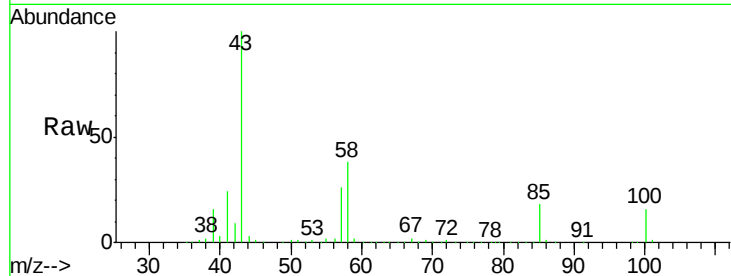
58 38.3 30.1 45.1

Manual Integrations

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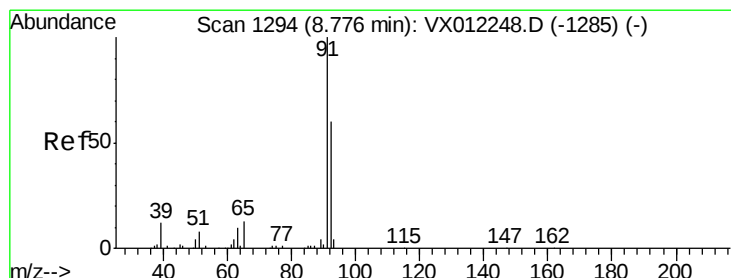
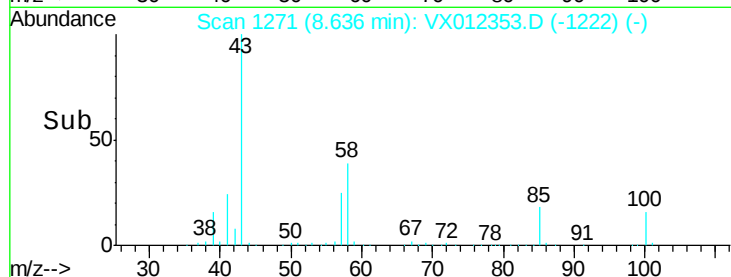
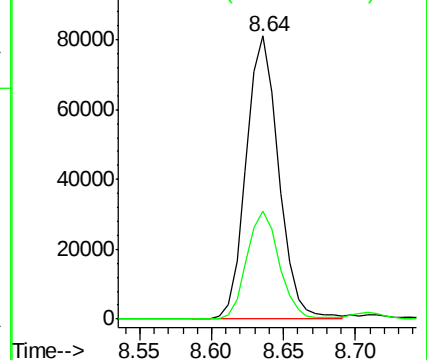
MMDadoda

9/13/2019 10:11:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.561 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012353.D

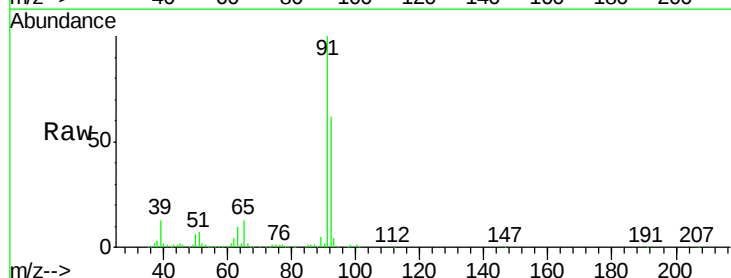
Acq: 12 Sep 2019 17:55

Tgt Ion: 92 Resp: 73720

Ion Ratio Lower Upper

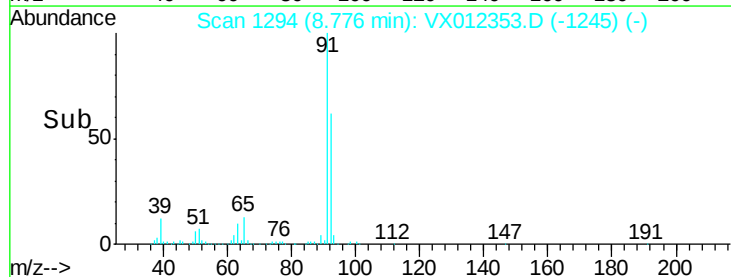
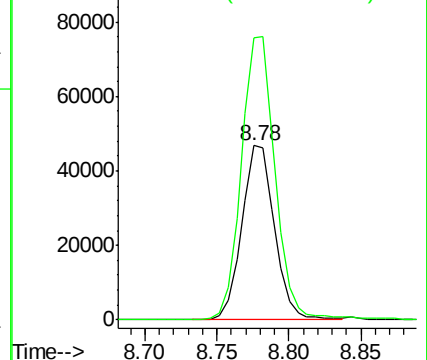
92 100

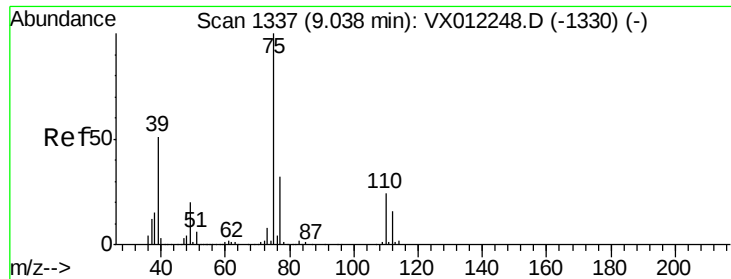
91 168.5 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





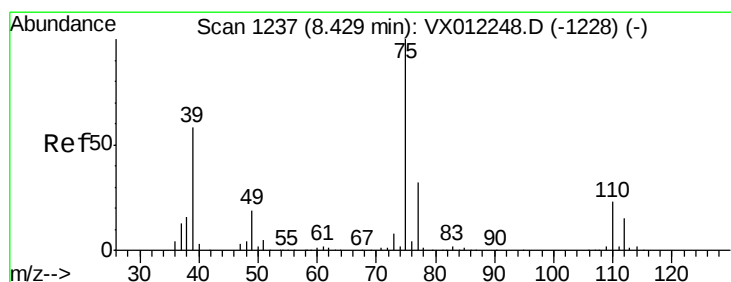
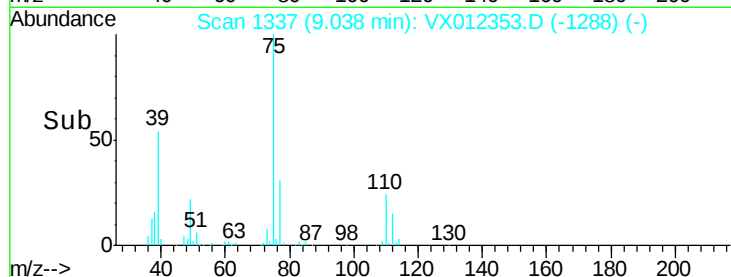
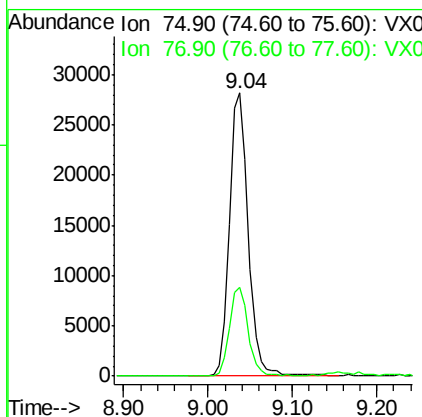
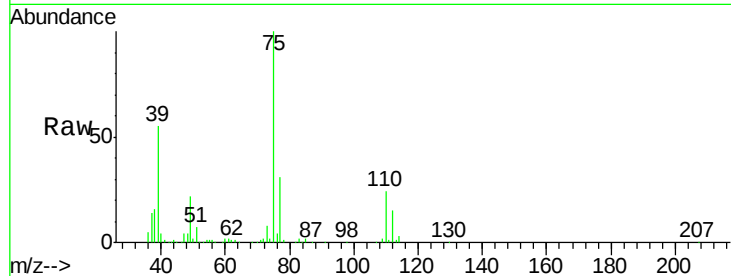
#53
t-1,3-Dichloropropene
Concen: 19.270 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.6

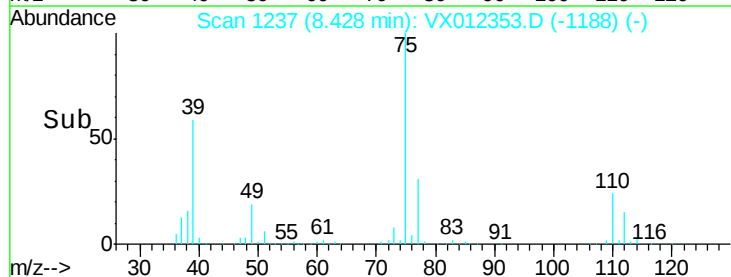
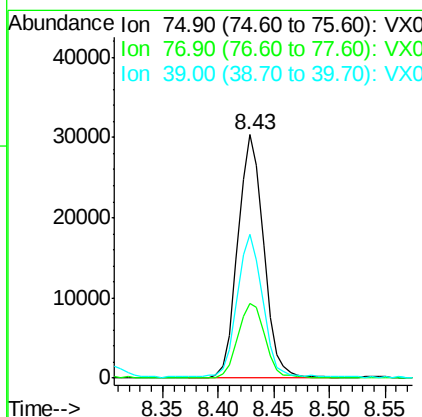
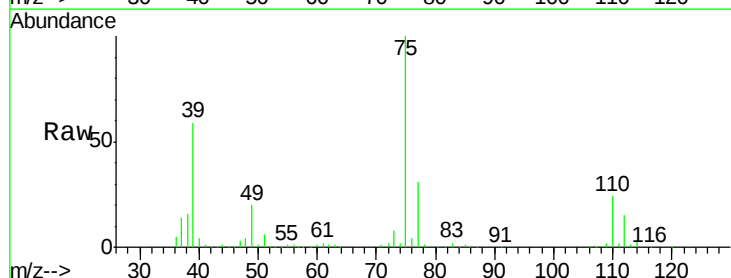
Manual Integrations
APPROVED

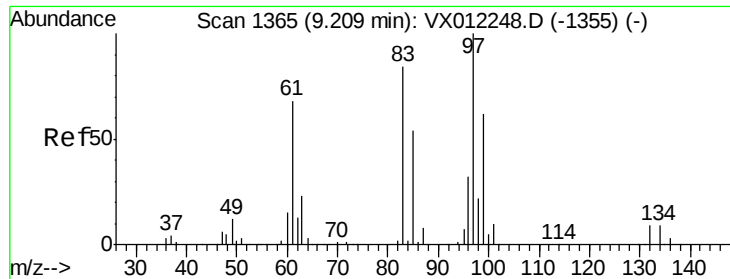
MMDadoda
9/13/2019 10:11:54 AM



#54
cis-1,3-Dichloropropene
Concen: 19.791 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.2
39	58.6	46.5	69.7





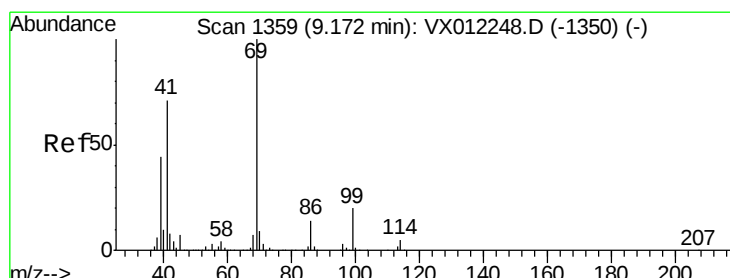
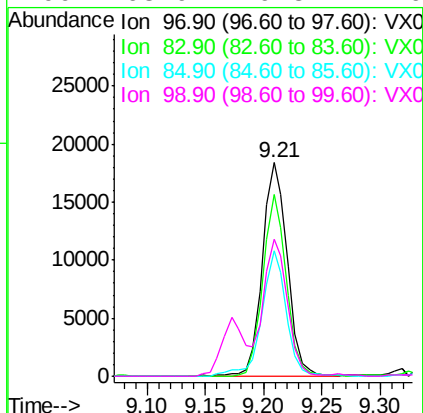
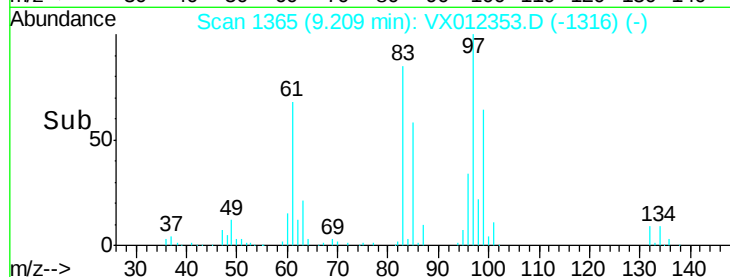
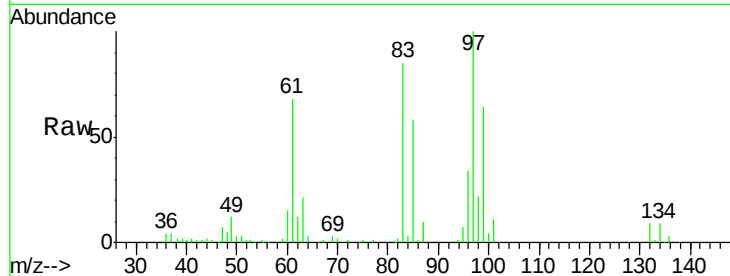
#55
 1,1,2-Trichloroethane
 Concen: 21.563 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion:	97	Resp:	27432
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.4	101.2
85	58.5	43.4	65.2
99	63.9	49.8	74.6

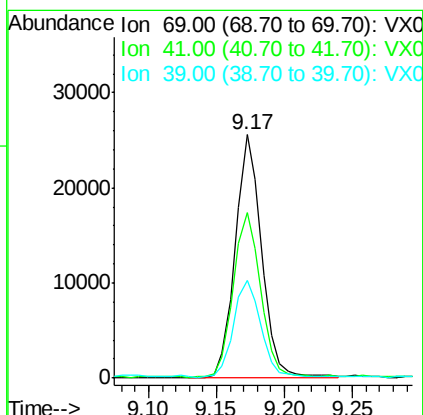
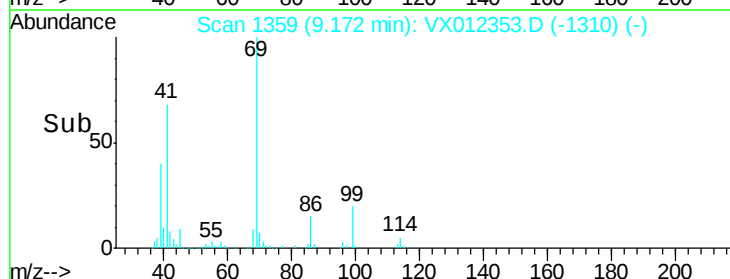
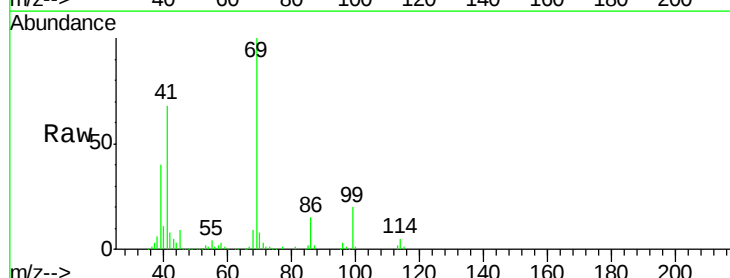
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#56
 Ethyl methacrylate
 Concen: 20.152 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Tgt Ion:	69	Resp:	34713
Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.7	86.5
39	42.9	34.0	51.0





#57

1,3-Dichloropropane

Concen: 21.141 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 76 Resp: 45936

Ion Ratio Lower Upper

76 100

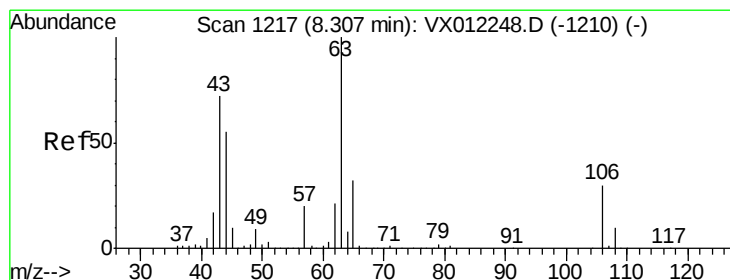
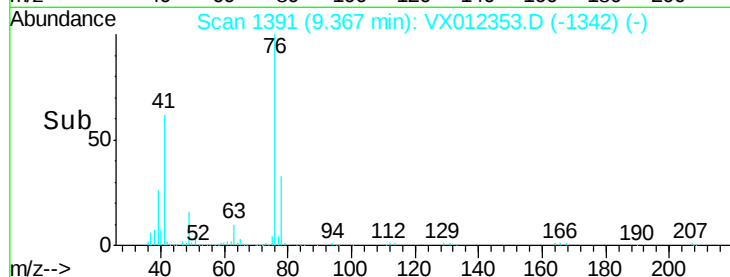
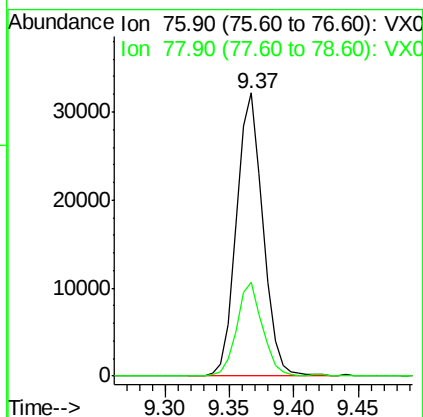
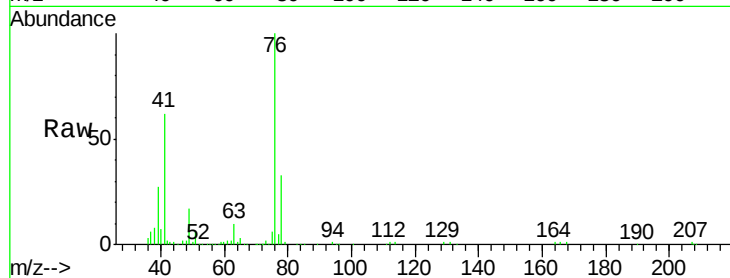
78 32.2 26.0 39.0

Manual Integrations

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9/13/2019 10:11:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.623 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012353.D

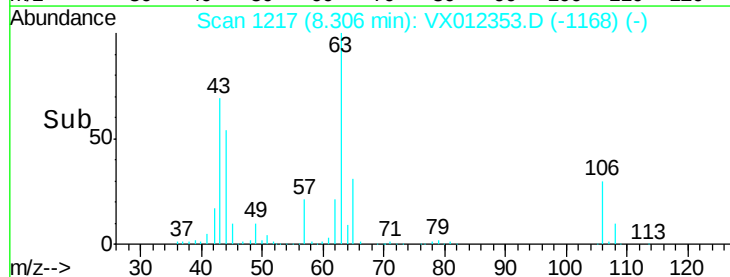
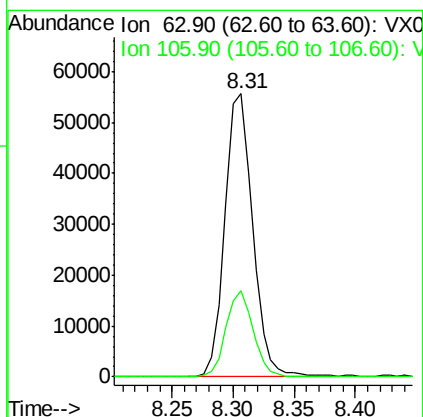
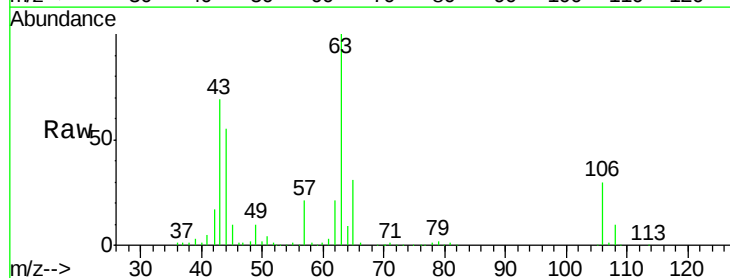
Acq: 12 Sep 2019 17:55

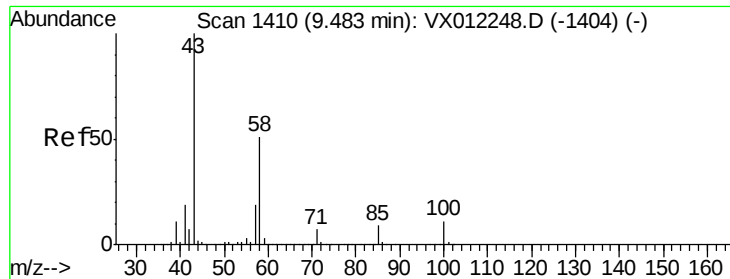
Tgt Ion: 63 Resp: 87952

Ion Ratio Lower Upper

63 100

106 29.8 23.4 35.2





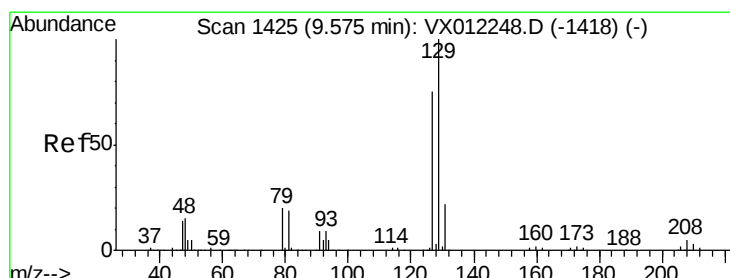
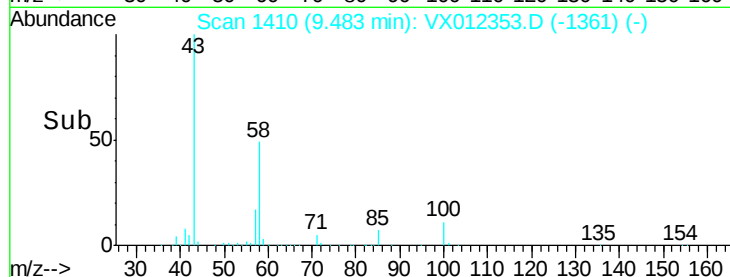
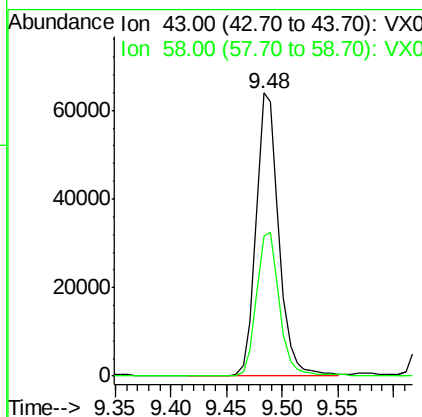
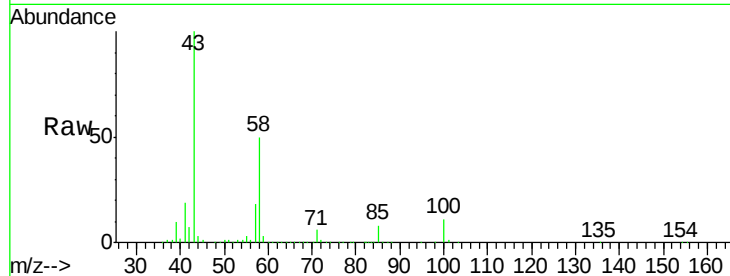
#59
2-Hexanone
Concen: 105.607 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion: 43 Resp: 90585
Ion Ratio Lower Upper
43 100
58 52.4 25.8 77.3

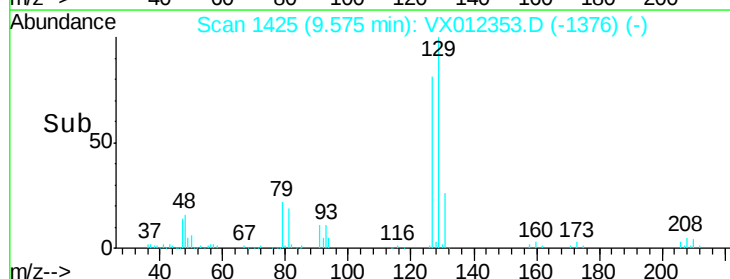
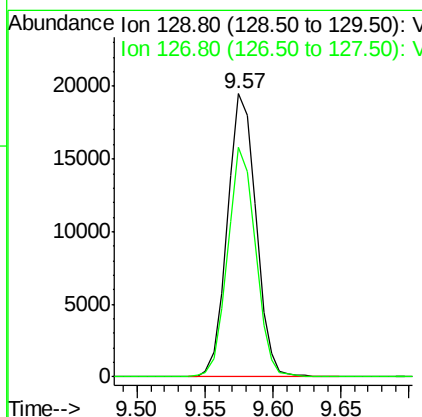
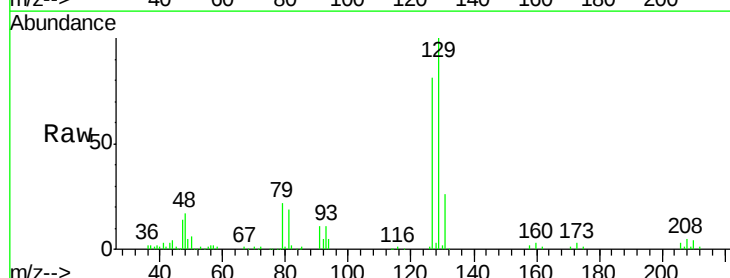
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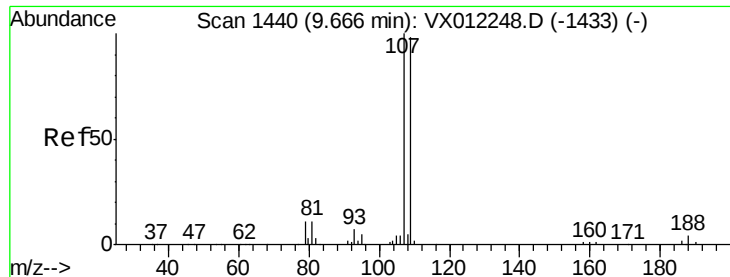
MMDadoda
9/13/2019 10:11:54 AM



#60
Dibromochloromethane
Concen: 19.275 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion: 129 Resp: 28627
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.937 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 107 Resp: 24794

Ion Ratio Lower Upper

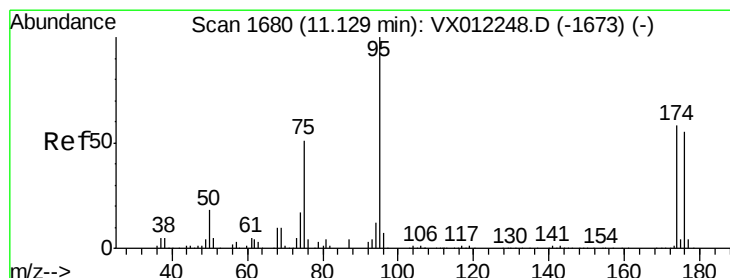
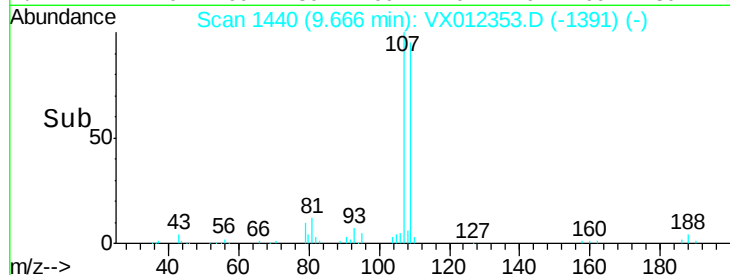
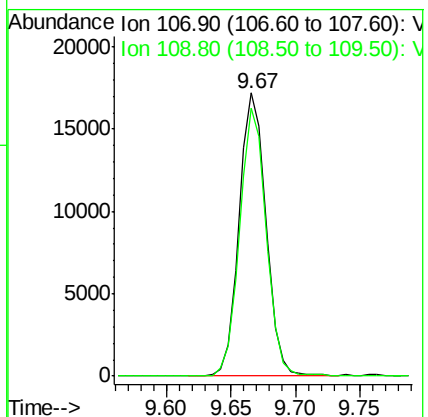
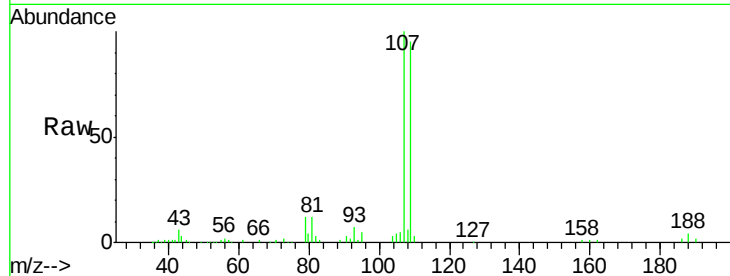
107 100

109 93.3 76.3 114.5

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9/13/2019 10:11:54 AM



#62

4-Bromofluorobenzene

Concen: 46.325 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

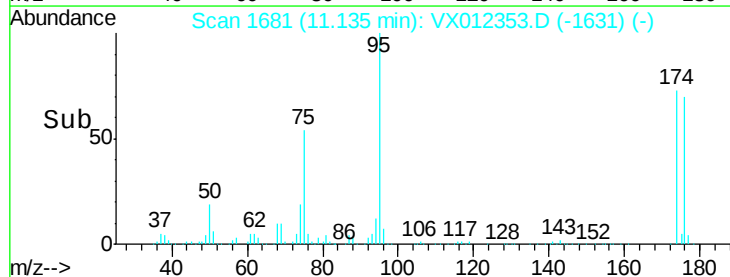
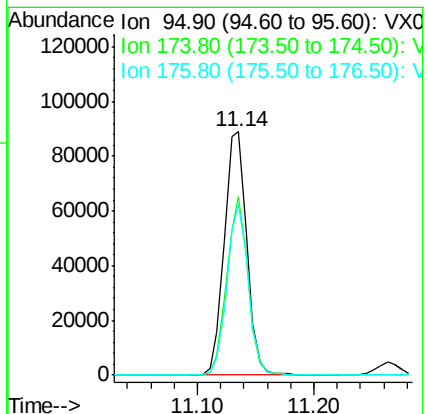
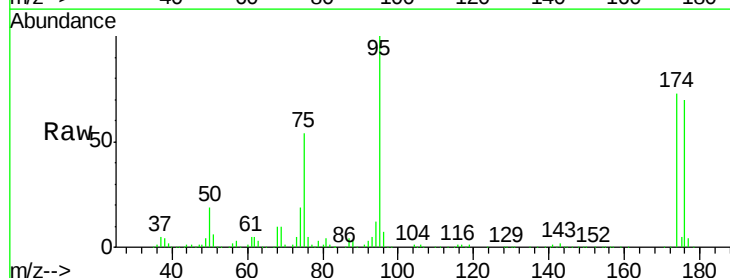
Tgt Ion: 95 Resp: 118769

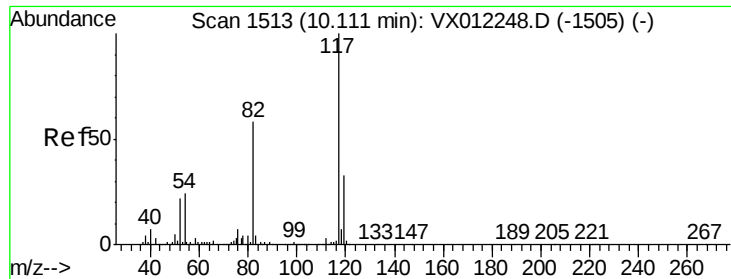
Ion Ratio Lower Upper

95 100

174 68.9 0.0 127.0

176 66.6 0.0 125.8





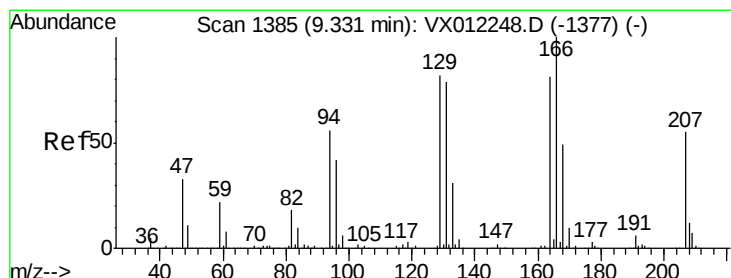
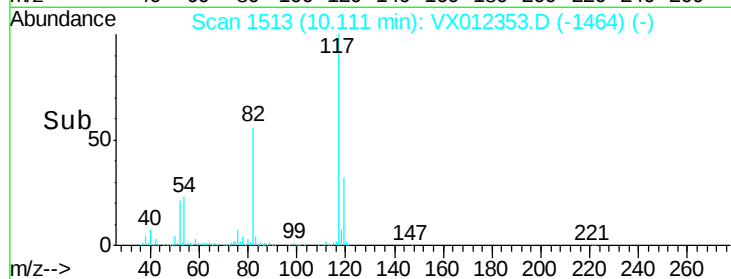
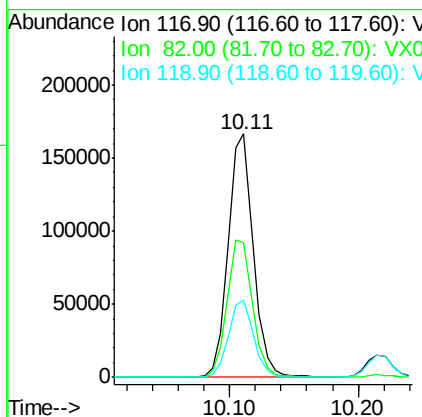
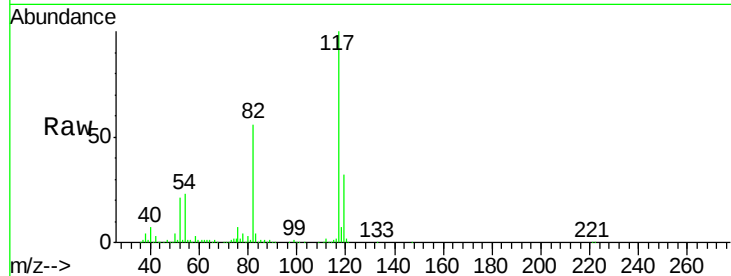
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	229279		
82	55.6	46.4	69.6	
119	31.8	26.6	39.8	

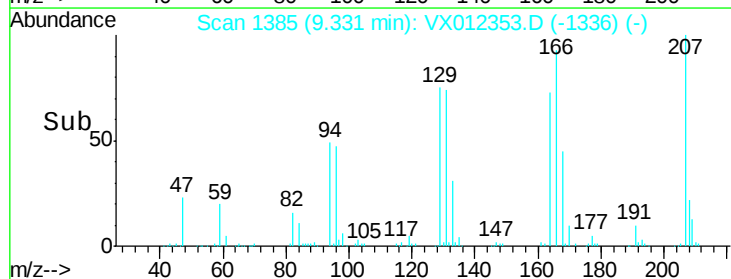
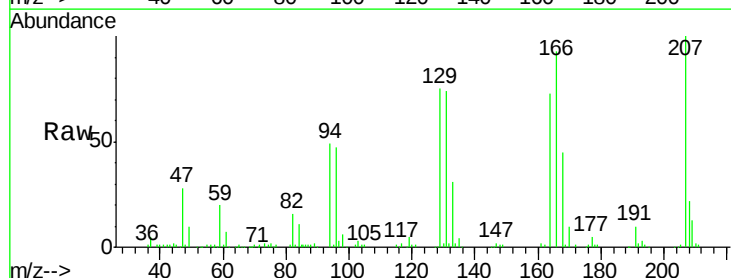
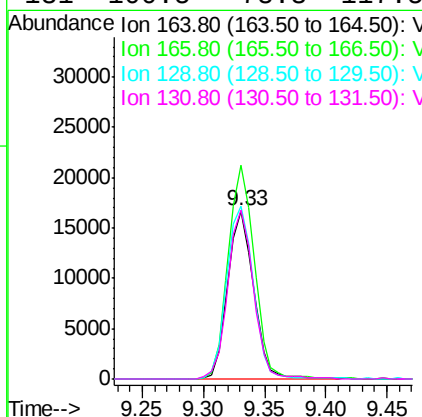
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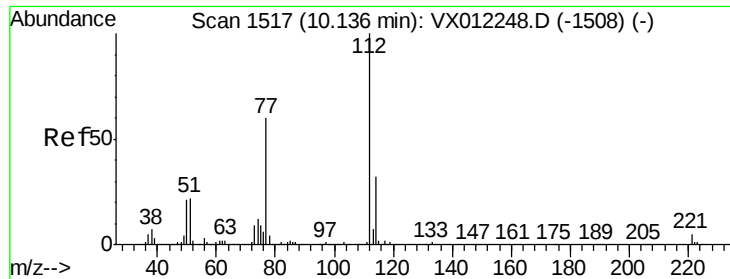
MMDadoda
9/13/2019 10:11:54 AM



#64
Tetrachloroethene
Concen: 20.231 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24532		
166	126.9	99.4	149.0	
129	102.8	81.8	122.8	
131	100.5	78.3	117.5	





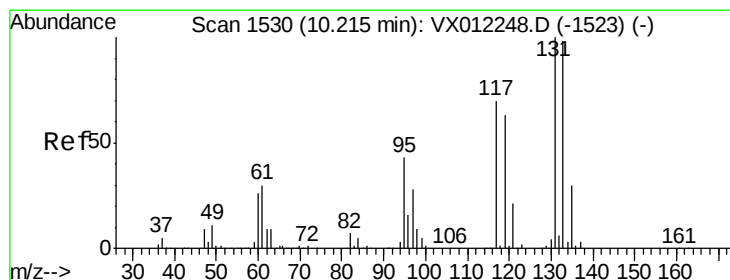
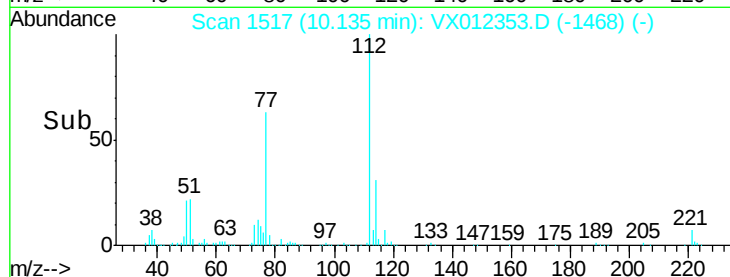
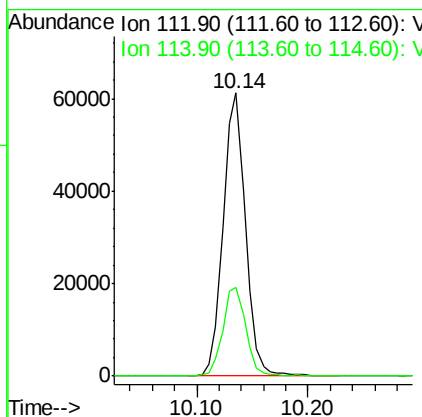
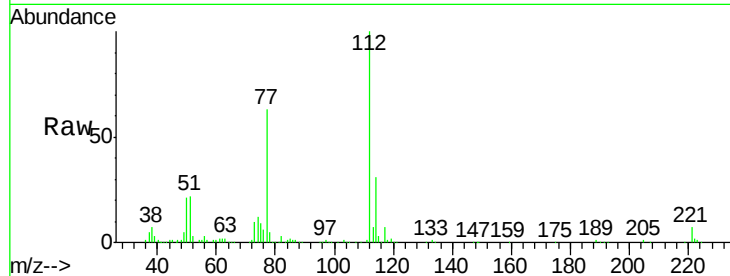
#65
Chlorobenzene
Concen: 20.253 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.4	38.0

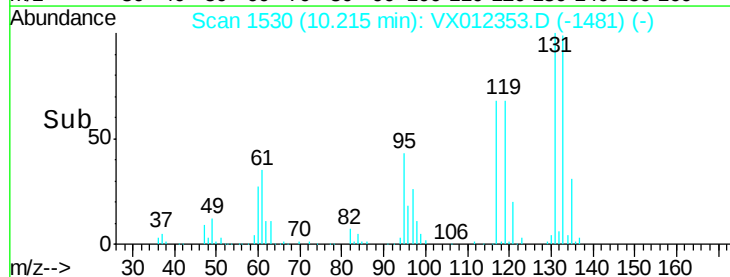
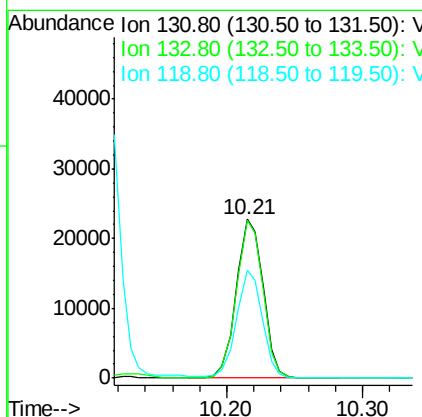
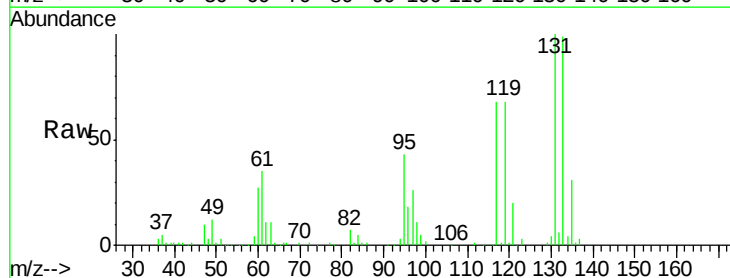
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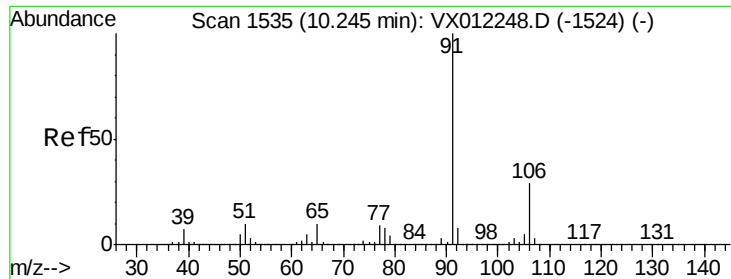
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.818 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	48.0	144.2
119	65.6	31.6	95.0





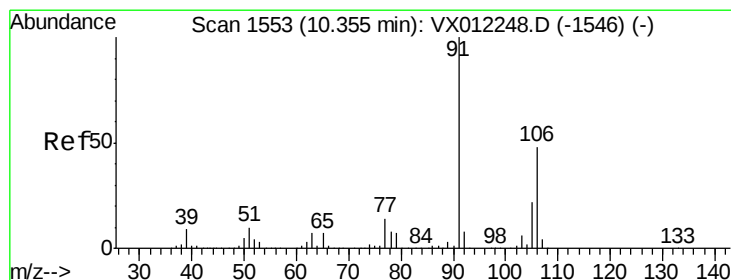
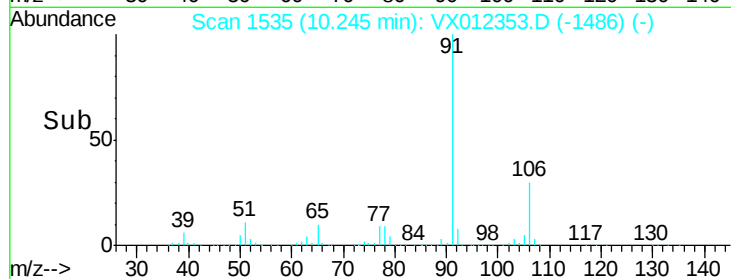
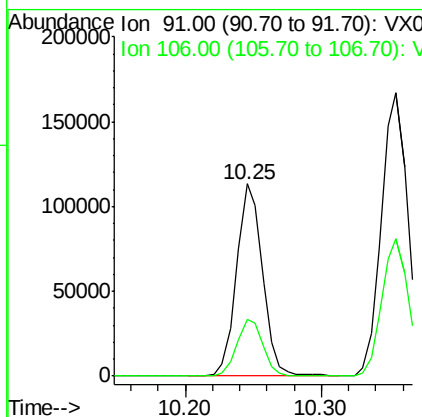
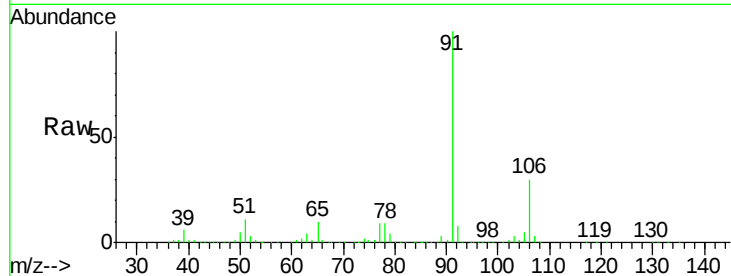
#67
Ethyl Benzene
Concen: 20.266 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion: 91 Resp: 151006
Ion Ratio Lower Upper
91 100
106 29.8 23.1 34.7

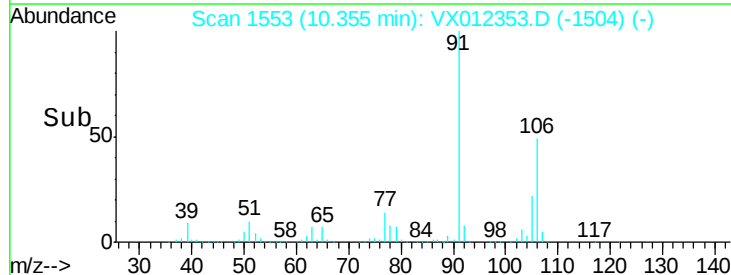
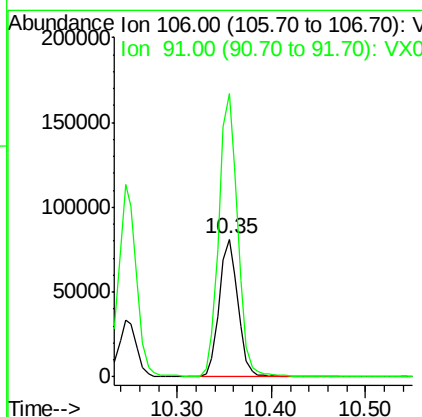
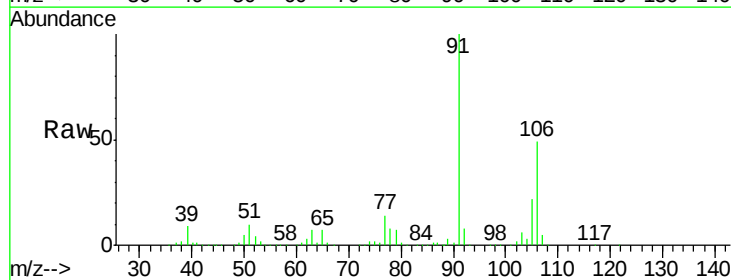
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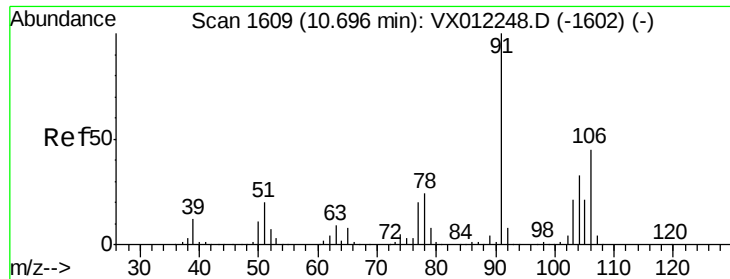
MMDadoda
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#68
m/p-Xylenes
Concen: 40.984 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion: 106 Resp: 112412
Ion Ratio Lower Upper
106 100
91 205.6 167.0 250.6





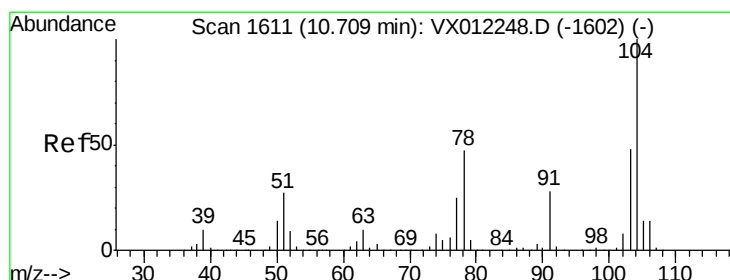
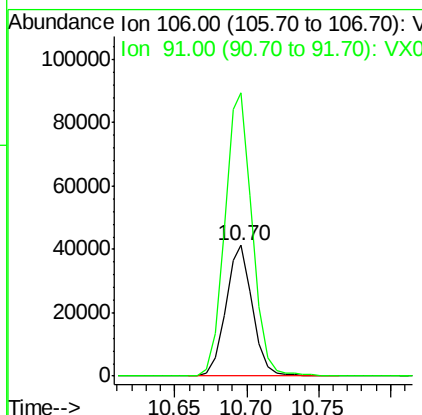
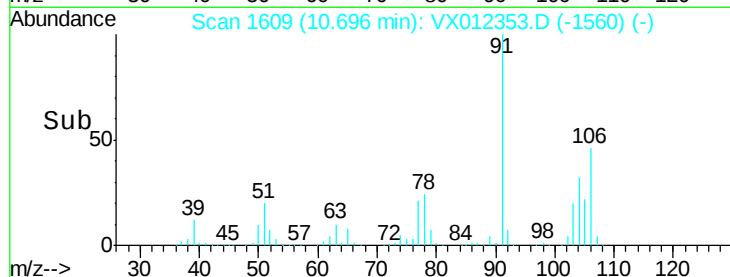
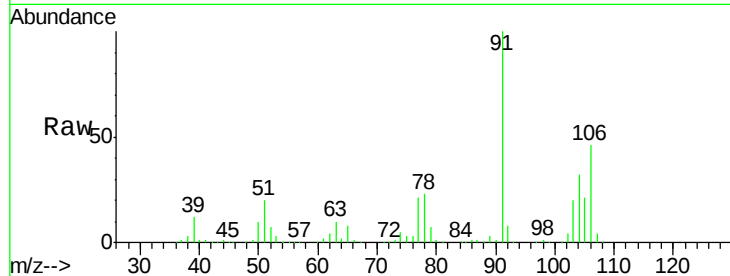
#69
o-Xylene
Concen: 19.994 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion:106 Resp: 53722
Ion Ratio Lower Upper
106 100
91 221.6 110.5 331.4

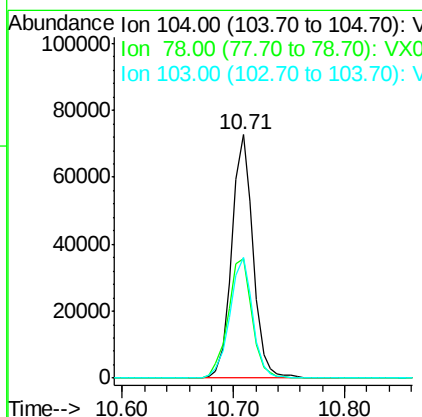
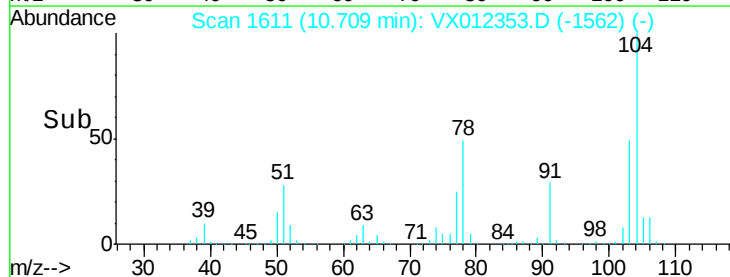
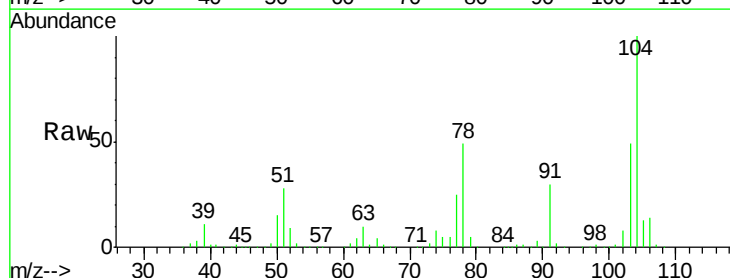
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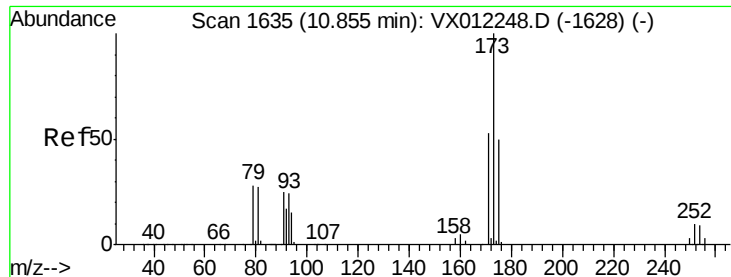
MMDadoda
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#70
Styrene
Concen: 20.184 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion:104 Resp: 96182
Ion Ratio Lower Upper
104 100
78 55.6 44.2 66.2
103 53.2 42.5 63.7





#71

Bromoform

Concen: 18.877 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

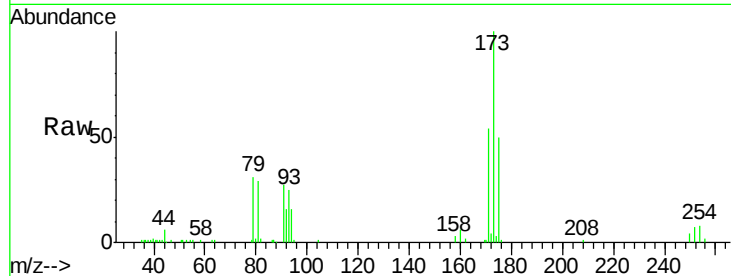
ClientSampleId :

VX0912SBS02

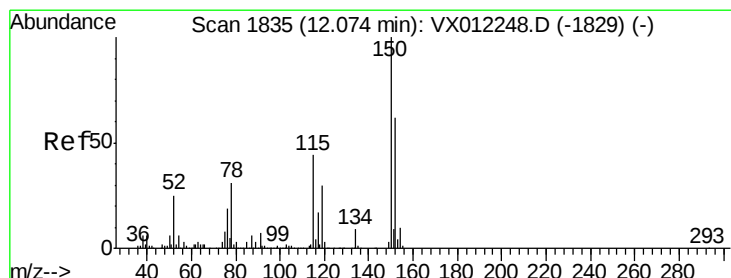
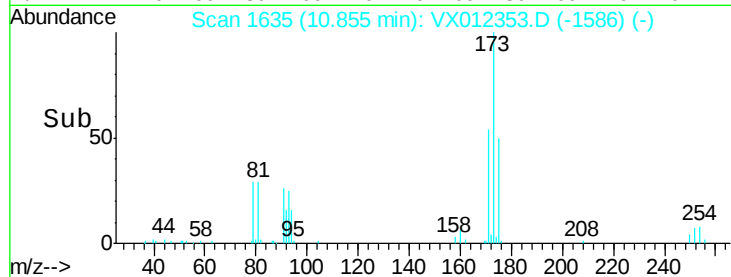
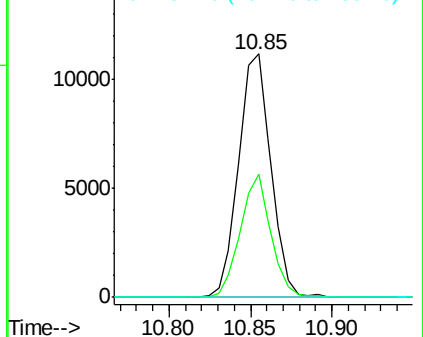
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.5	73.5
254	0.0	0.2	0.4

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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

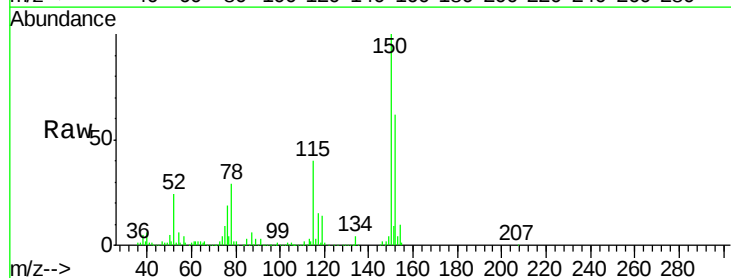
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

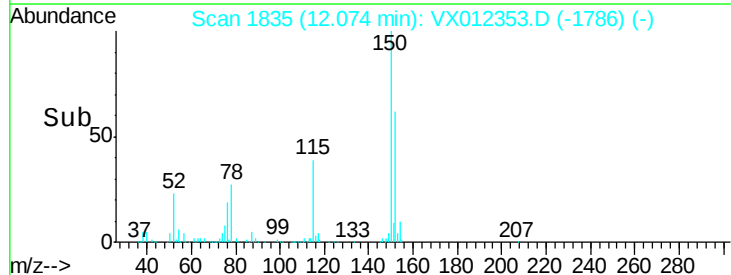
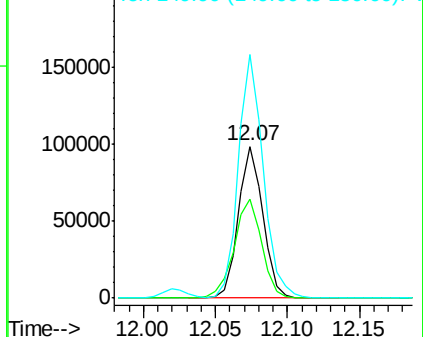
Lab File: VX012353.D

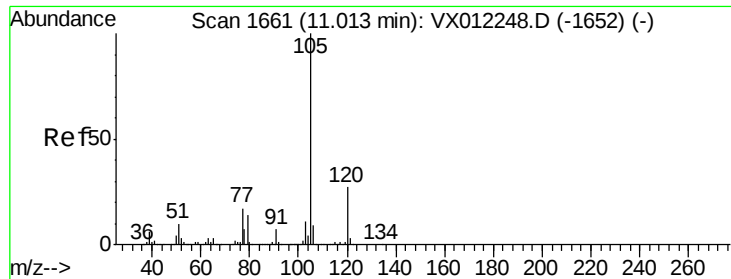
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.8	45.5	136.4
150	164.4	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.238 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 105 Resp: 147228

Ion Ratio Lower Upper

105 100

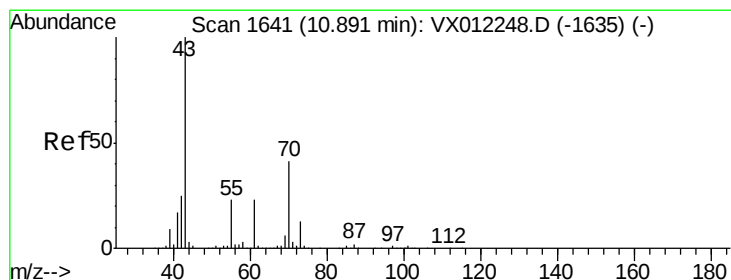
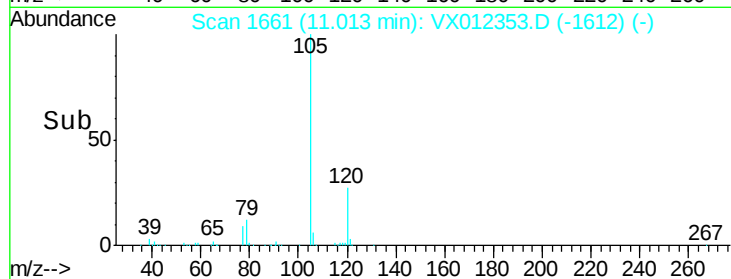
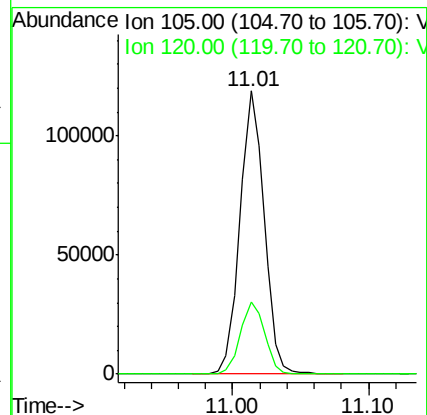
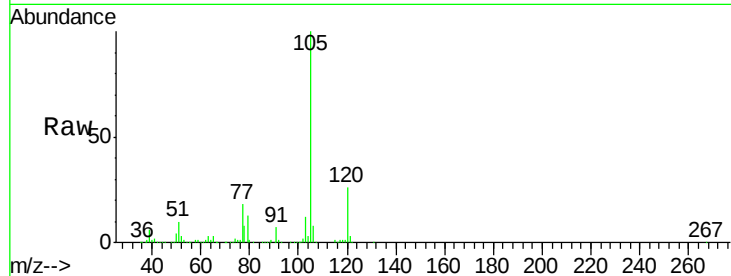
120 25.9 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.835 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion: 43 Resp: 42858

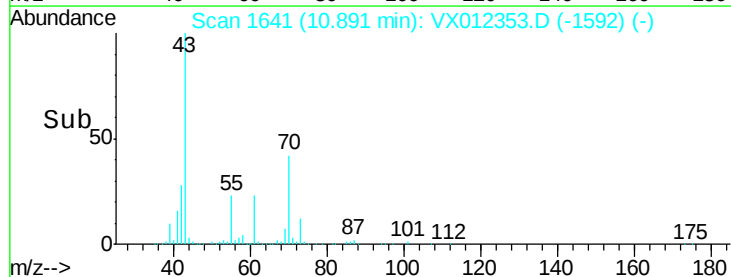
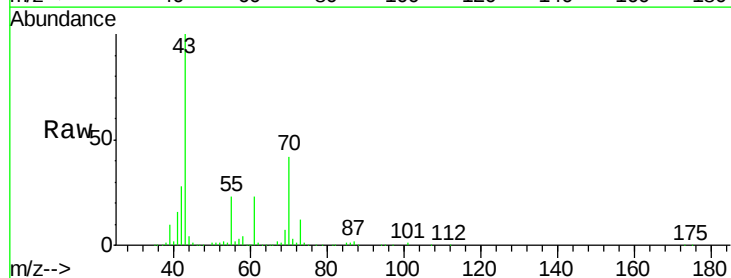
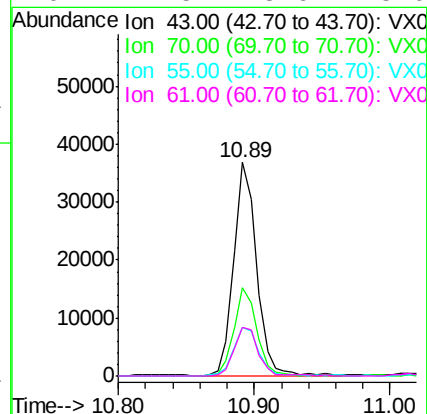
Ion Ratio Lower Upper

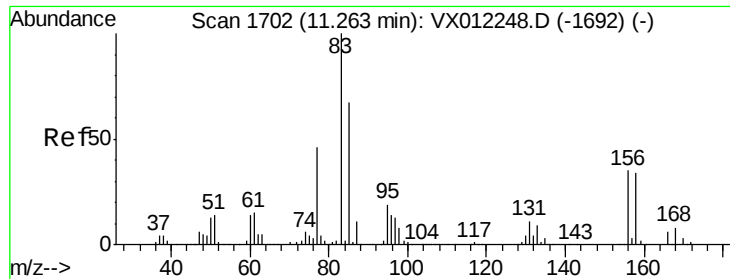
43 100

70 42.3 32.9 49.3

55 25.2 19.1 28.7

61 24.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.062 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

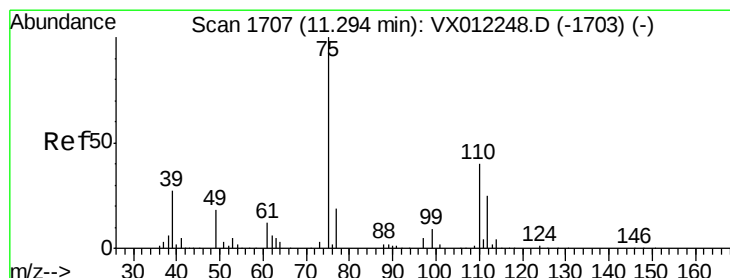
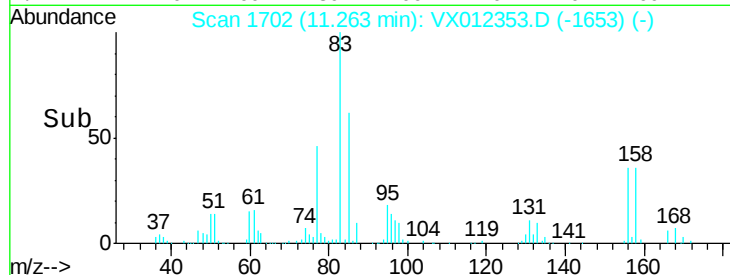
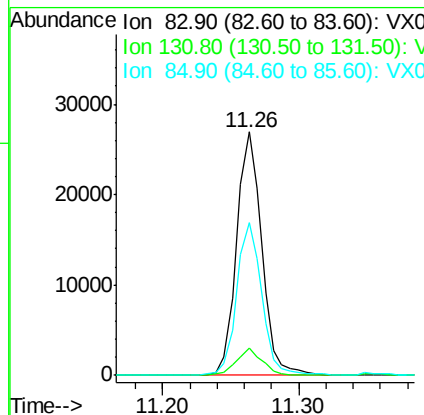
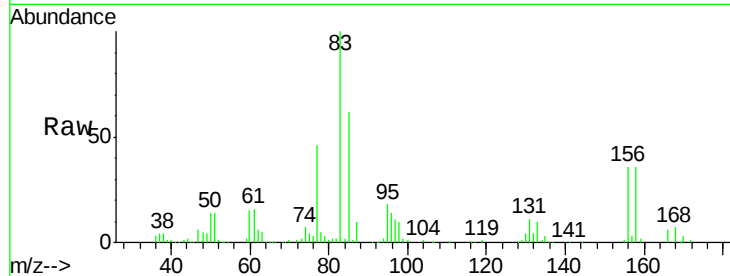
ClientSampleId :

VX0912SBS02

Tot Ion:	83	Resp:	34617
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	62.9	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.563 ug/l m

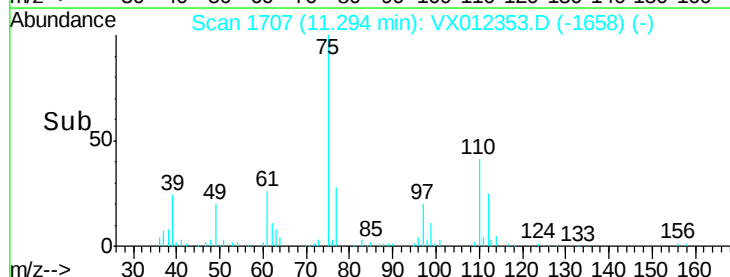
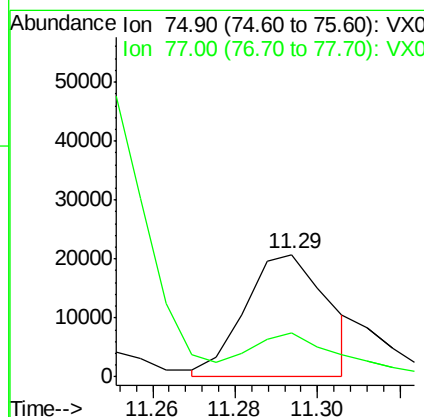
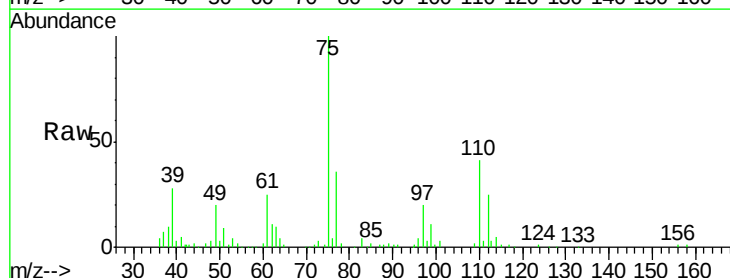
RT: 11.29 min Scan# 1707

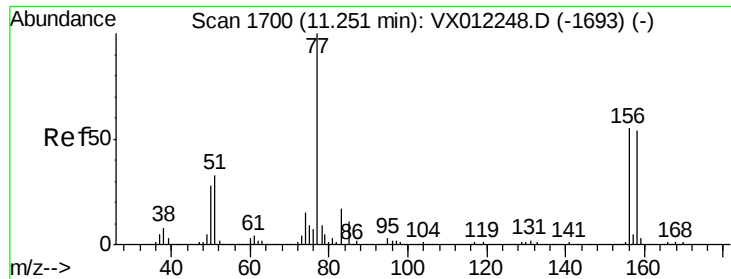
Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion:	75	Resp:	29214
Ion Ratio	Lower	Upper	
75	100		
77	39.9	19.7	59.0





#77

Bromobenzene

Concen: 20.756 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

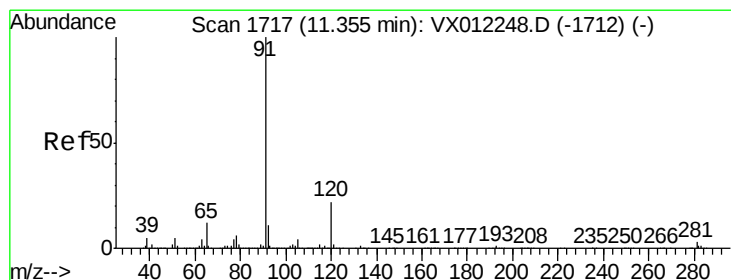
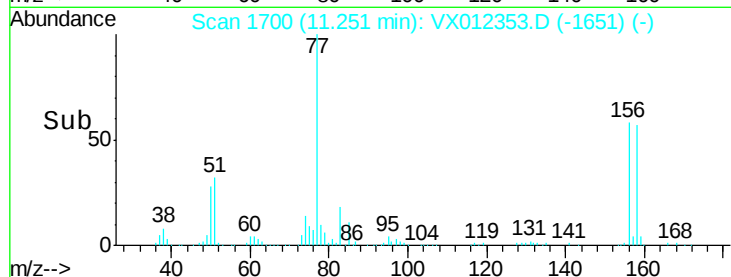
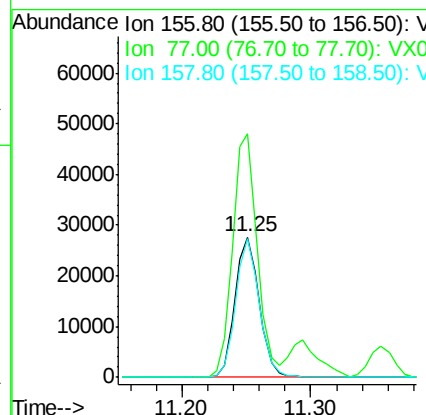
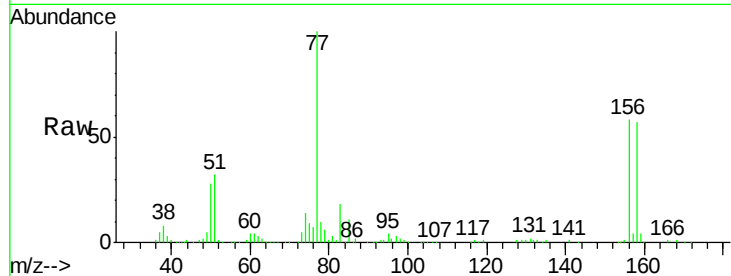
ClientSampleId :

VX0912SBS02

Tot Ion:	156	Resp:	36571
Ion	Ratio	Lower	Upper
156	100		
77	176.1	92.2	276.6
158	96.2	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.575 ug/l

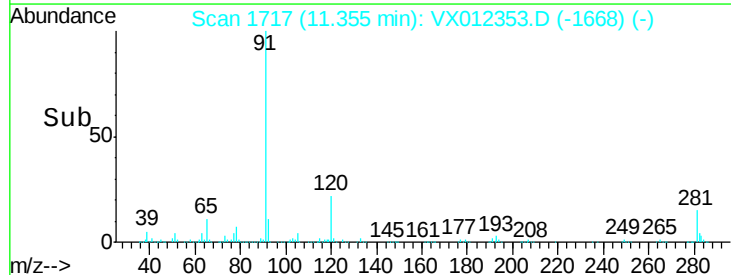
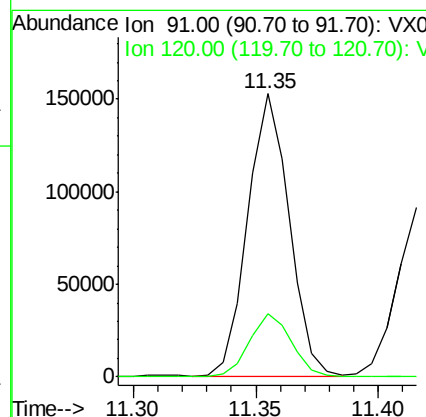
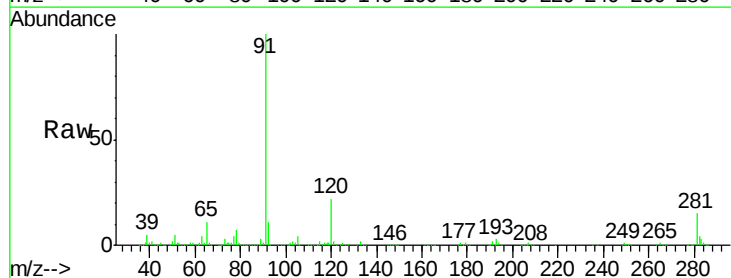
RT: 11.35 min Scan# 1717

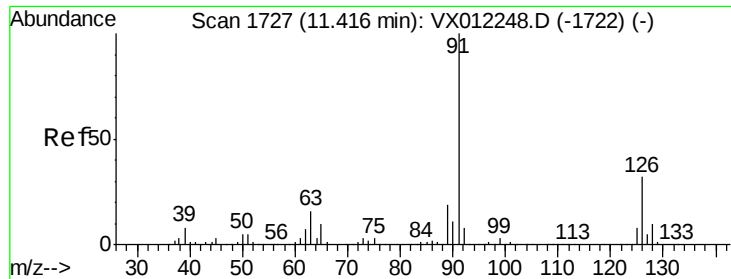
Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion:	91	Resp:	180900
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.6





#79

2-Chlorotoluene

Concen: 19.573 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion: 91 Resp: 112069

Ion Ratio Lower Upper

91 100

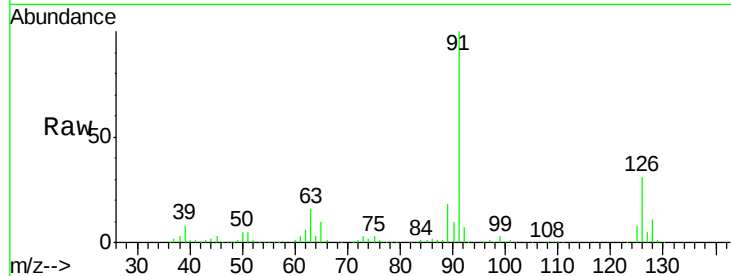
126 31.8 15.9 47.7

Manual Integrations

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

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

150000

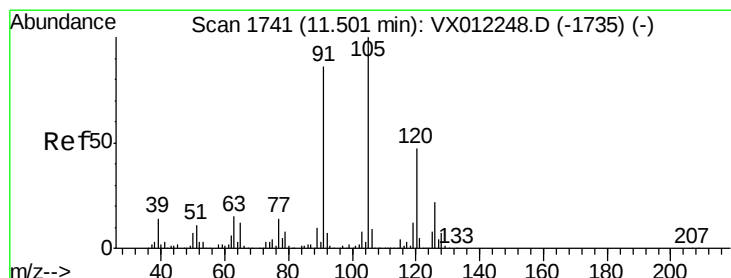
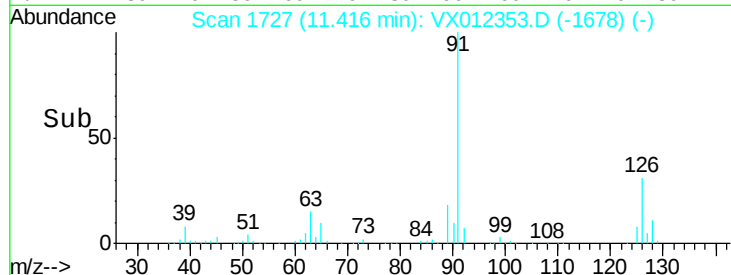
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.854 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012353.D

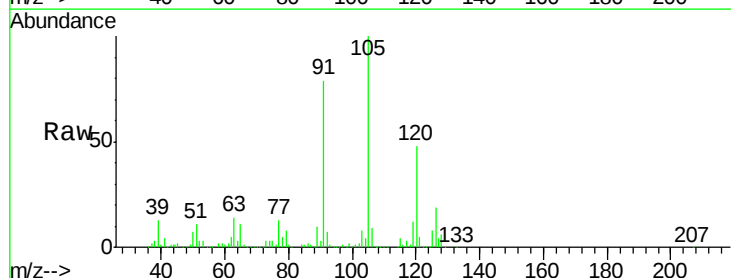
Acq: 12 Sep 2019 17:55

Tgt Ion:105 Resp: 136639

Ion Ratio Lower Upper

105 100

120 48.3 23.7 71.1



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

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

120000

100000

80000

60000

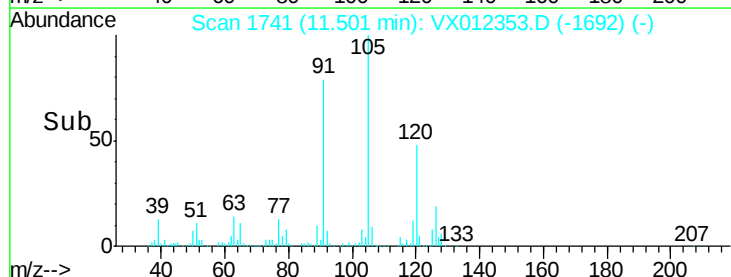
40000

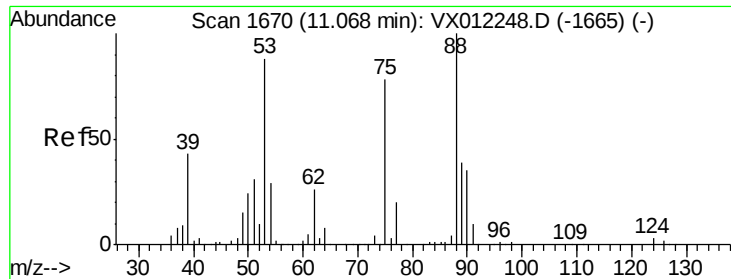
20000

0

11.40 11.50 11.60

Time-->





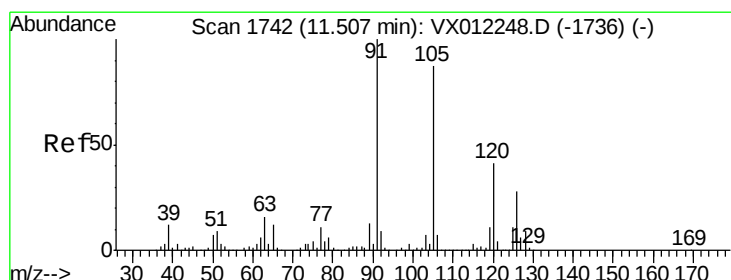
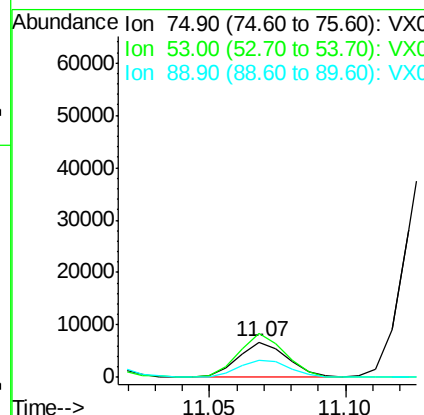
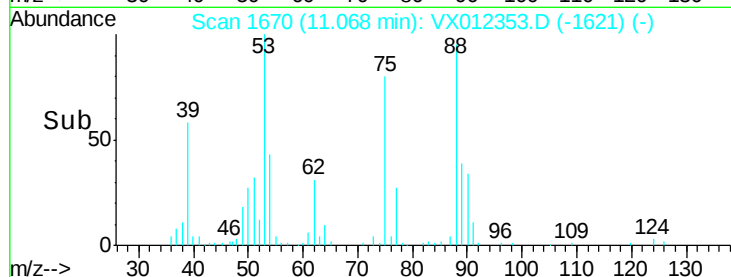
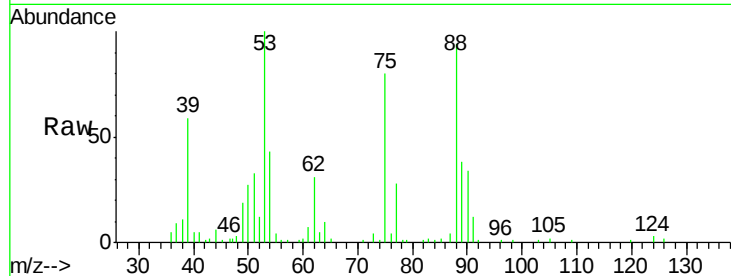
#81
trans-1,4-Dichloro-2-butene
Concen: 16.657 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.6	88.1	132.1
89	51.8	43.5	65.3

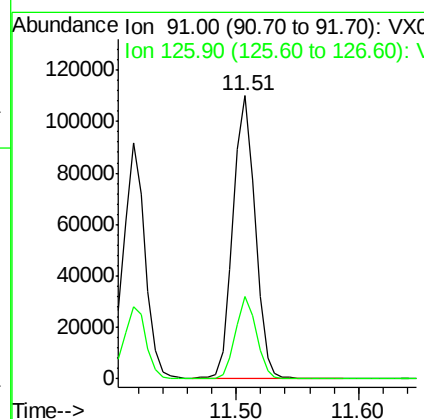
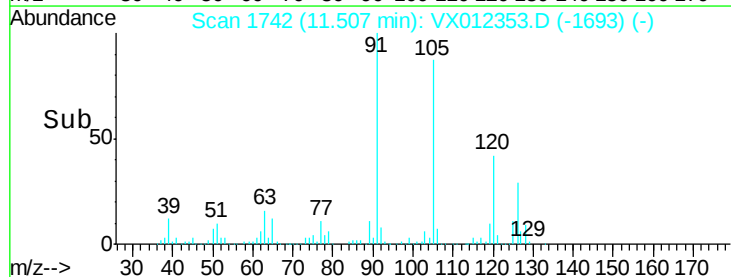
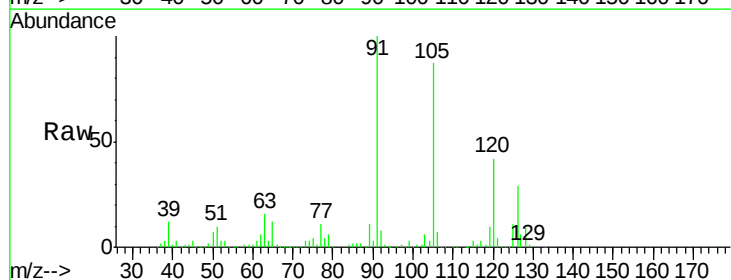
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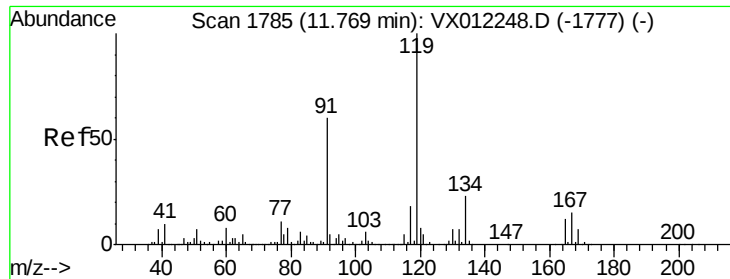
MMDadoda
9/13/2019 10:11:54 AM



#82
4-Chlorotoluene
Concen: 20.005 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.0	42.0





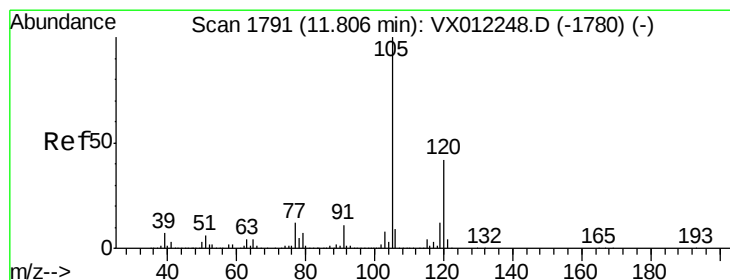
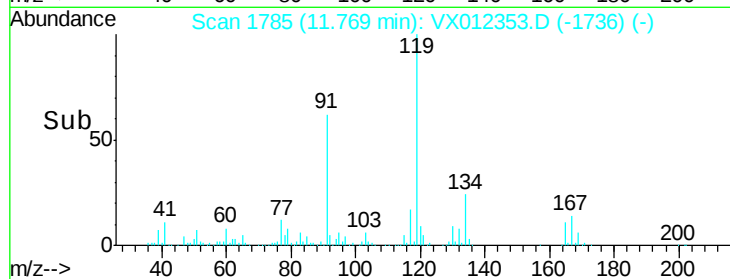
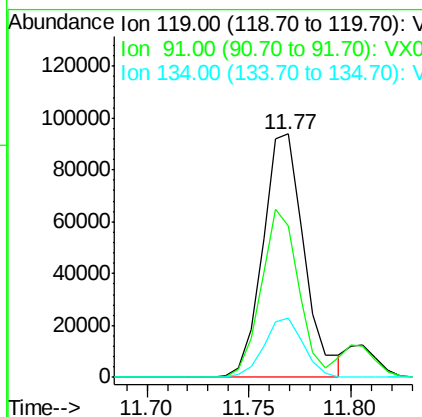
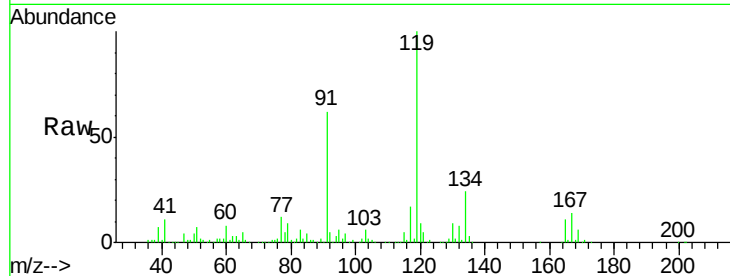
#83
tert-Butylbenzene
Concen: 19.788 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132237		
91	62.7	30.9	92.8	
134	23.1	11.2	33.6	

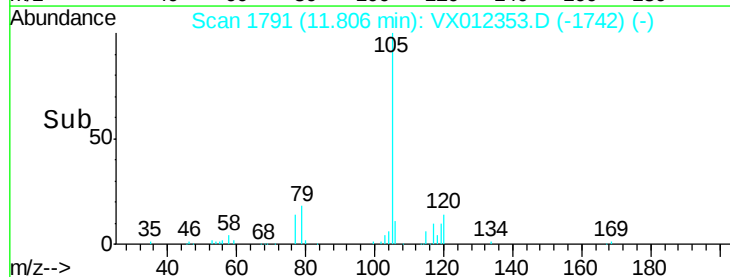
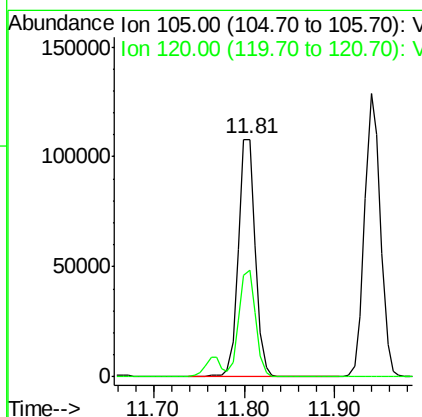
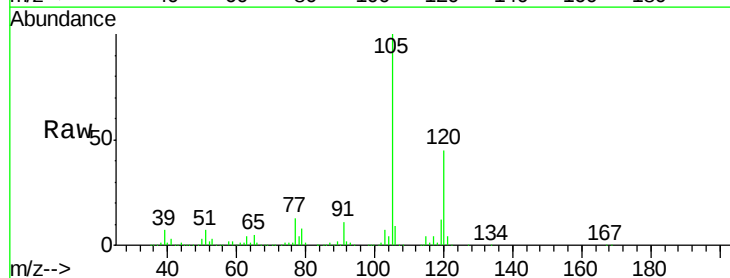
Manual Integrations
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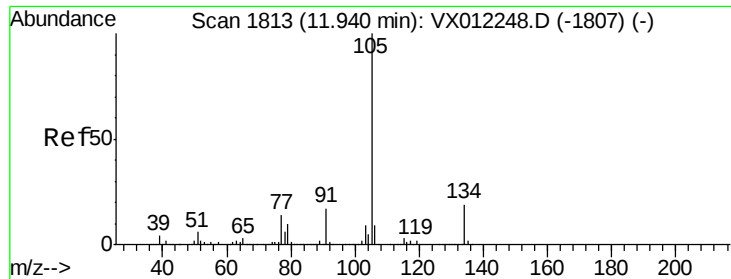
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.607 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139494		
120	44.1	21.3	63.9	





#85

sec-Butylbenzene

Concen: 19.619 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

Tot Ion:105 Resp: 156431

Ion Ratio Lower Upper

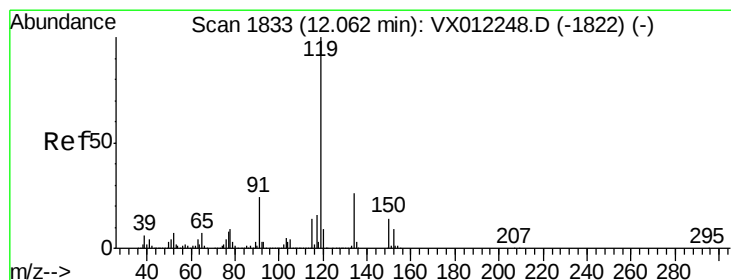
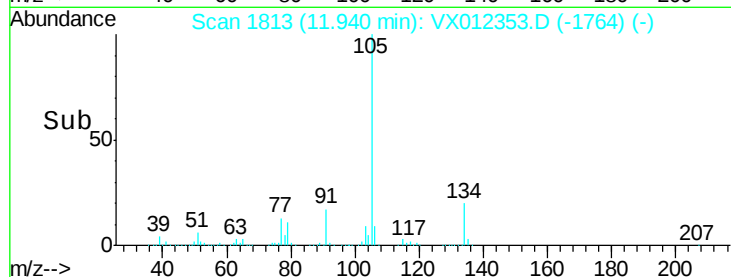
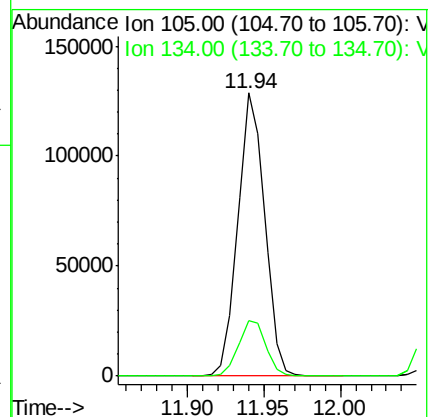
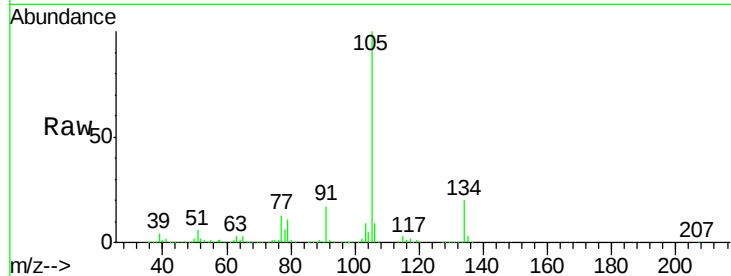
105 100

134 20.1 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 19.804 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

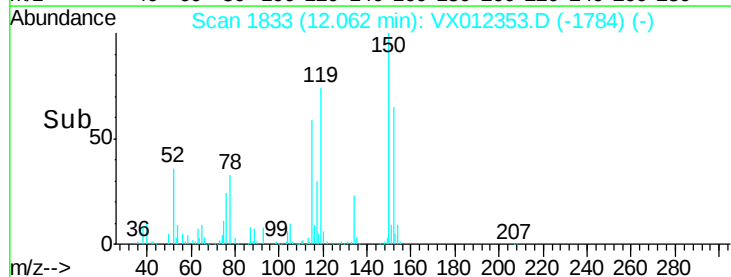
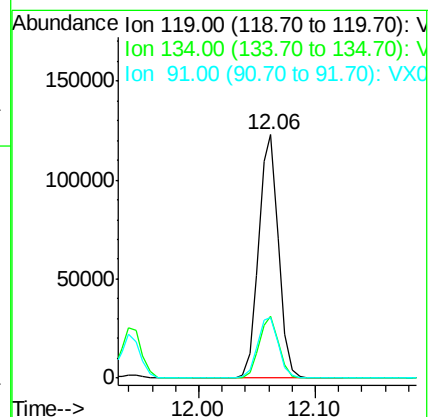
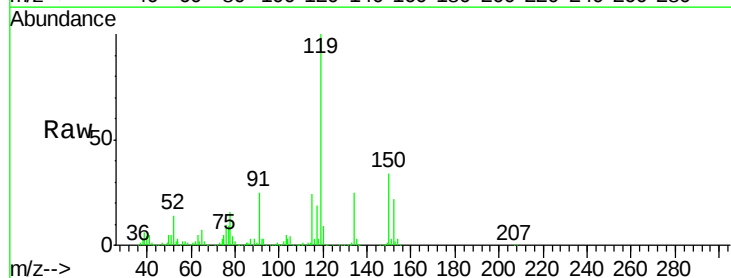
Tgt Ion:119 Resp: 145903

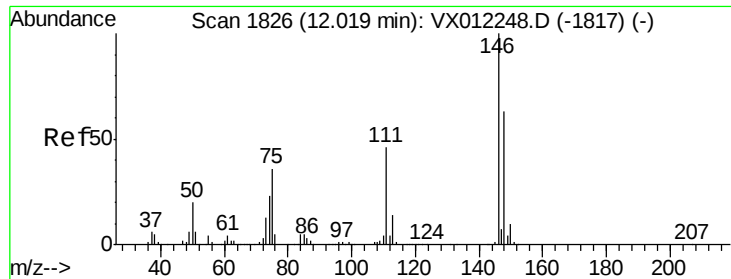
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 26.5 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 20.286 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

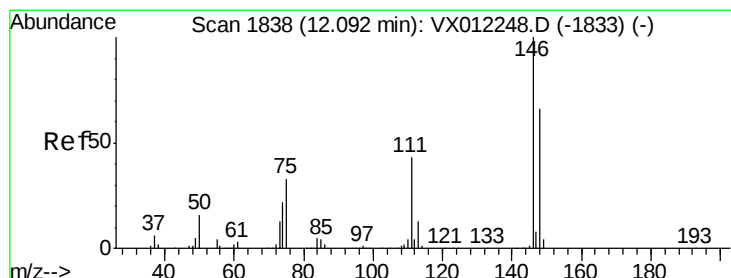
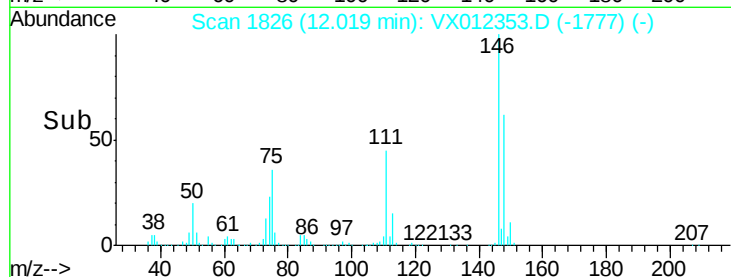
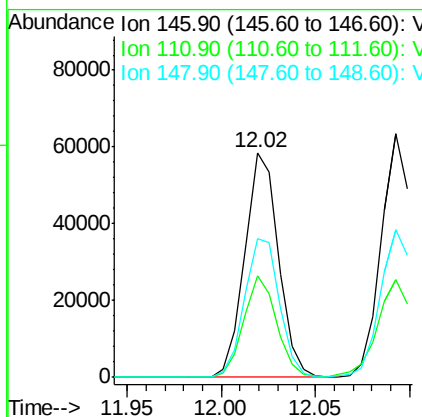
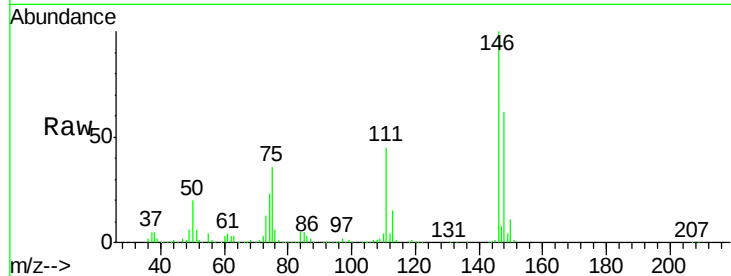
ClientSampleId :

VX0912SBS02

Tot Ion:	146	Resp:	72812
Ion Ratio	Lower	Upper	
146	100		
111	44.4	22.3	66.8
148	63.9	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.806 ug/l

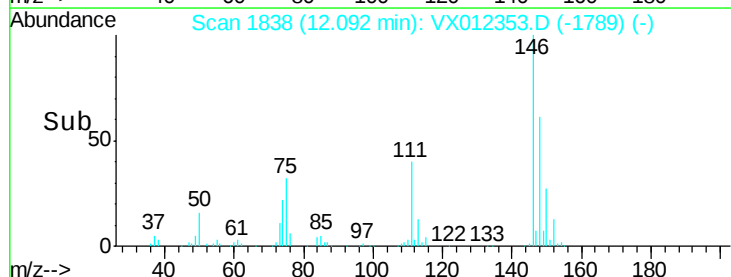
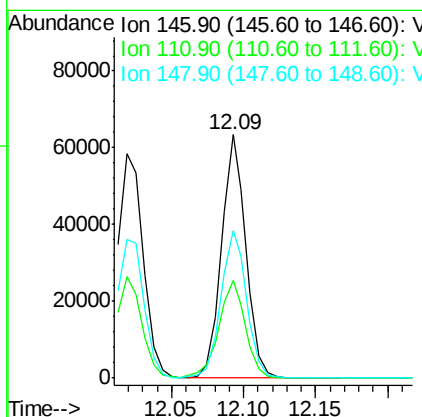
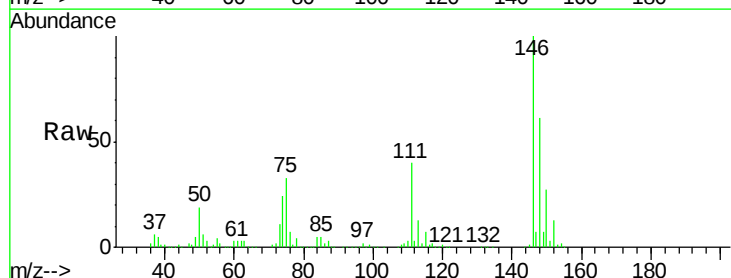
RT: 12.09 min Scan# 1838

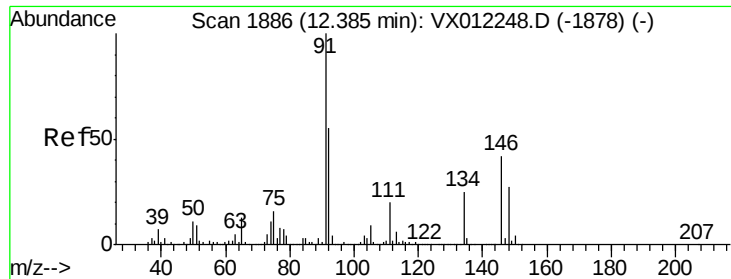
Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion:	146	Resp:	75513
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.6	64.8
148	64.0	32.4	97.2





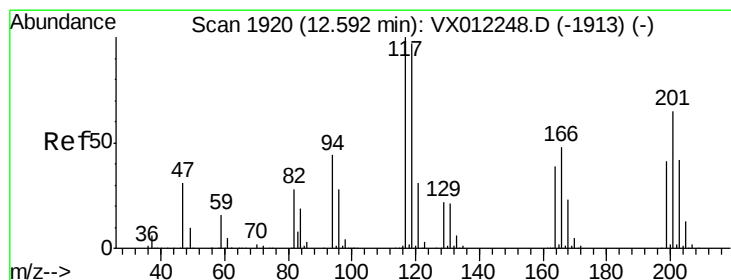
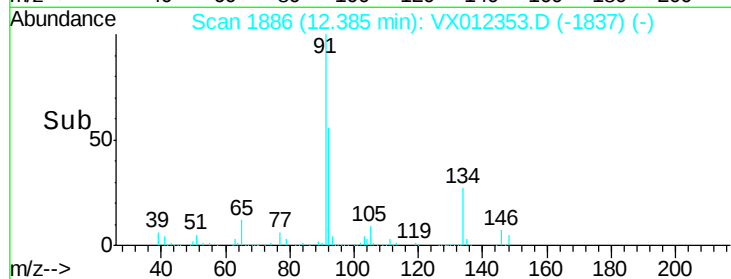
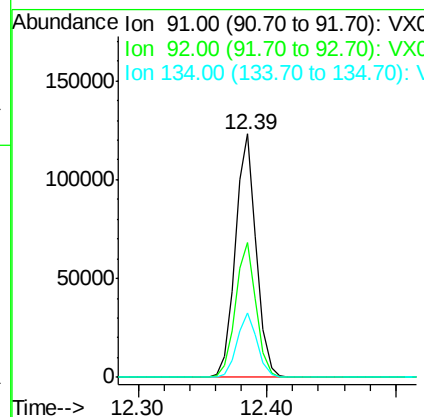
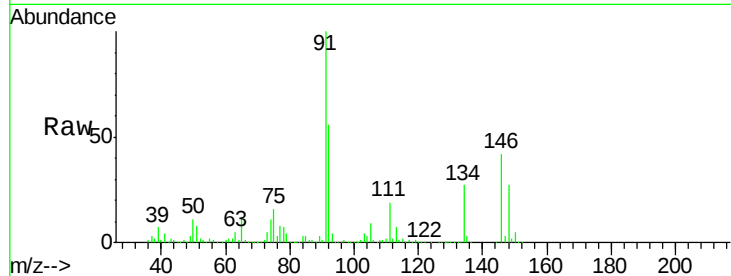
#89
n-Butylbenzene
Concen: 19.232 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.6	82.7
134	25.8	12.5	37.5

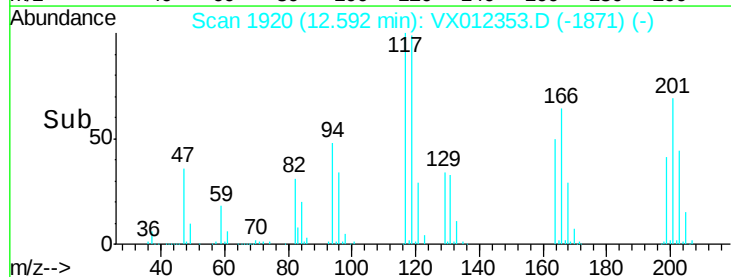
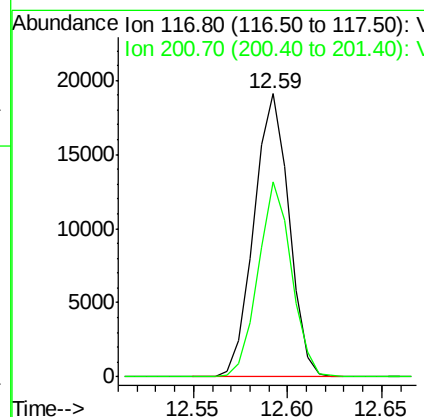
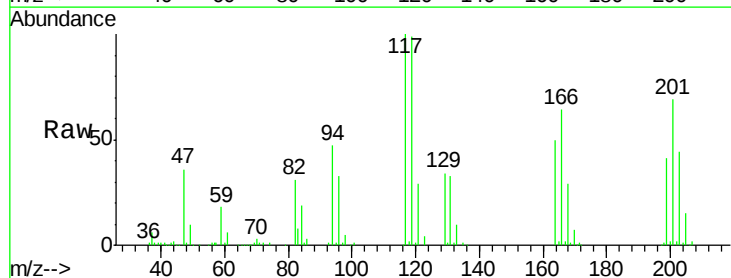
Manual Integrations
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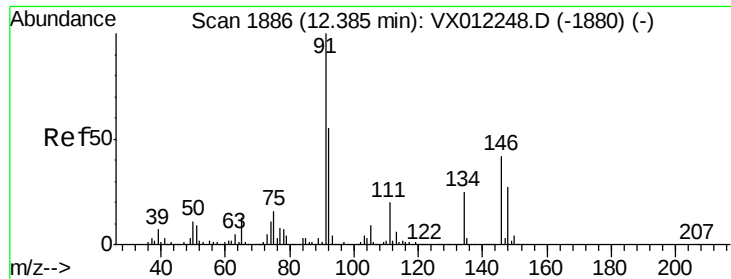
MMDadoda
9/13/2019 10:11:54 AM



#90
Hexachloroethane
Concen: 18.107 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012353.D
Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.7	32.2	96.6





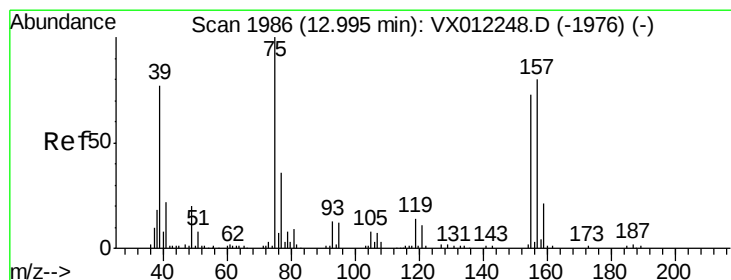
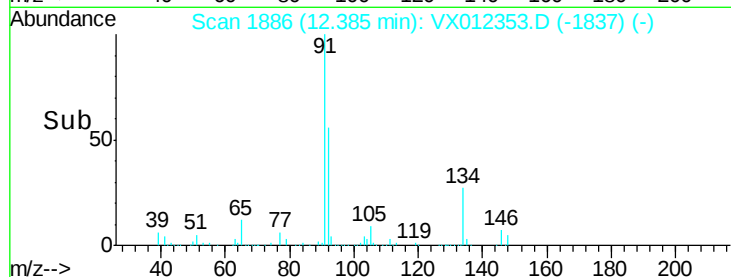
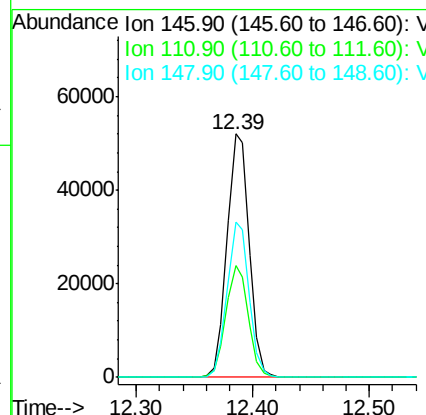
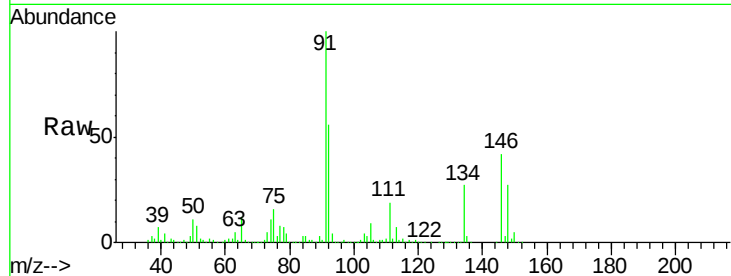
#91
 1,2-Dichlorobenzene
 Concen: 20.602 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.2	69.6
148	63.1	32.4	97.0

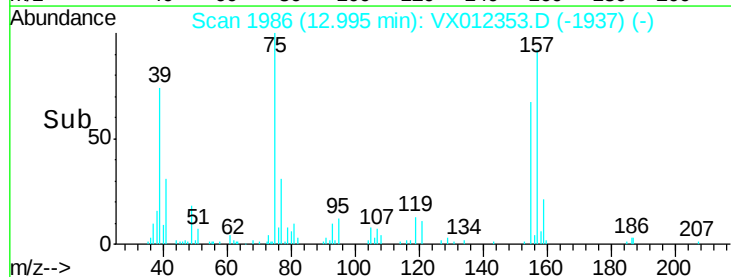
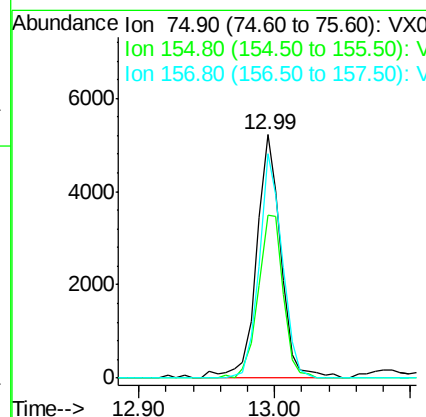
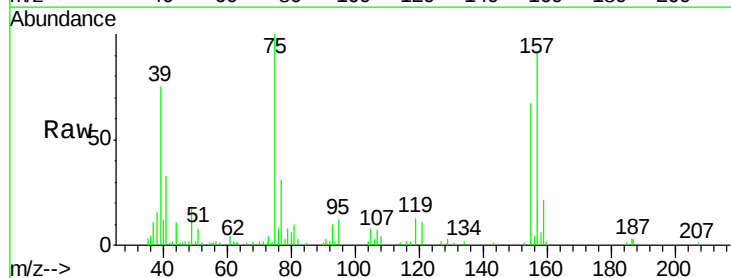
Manual Integrations
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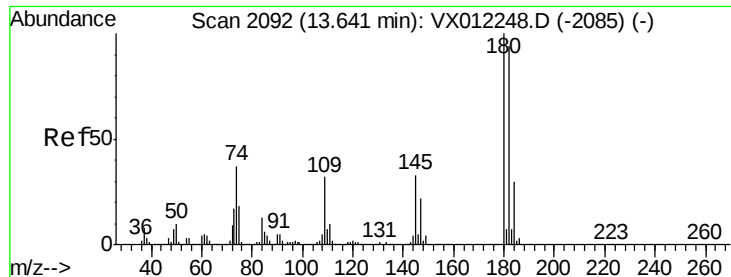
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.602 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	35.3	105.7
157	86.9	43.2	129.6





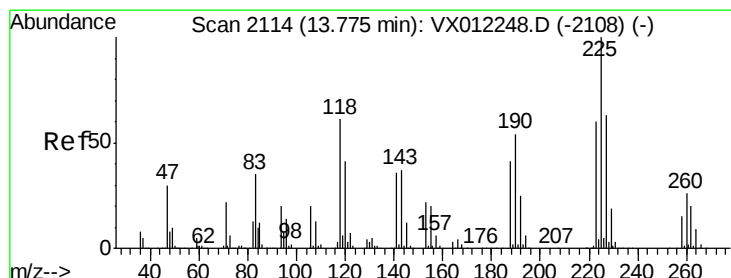
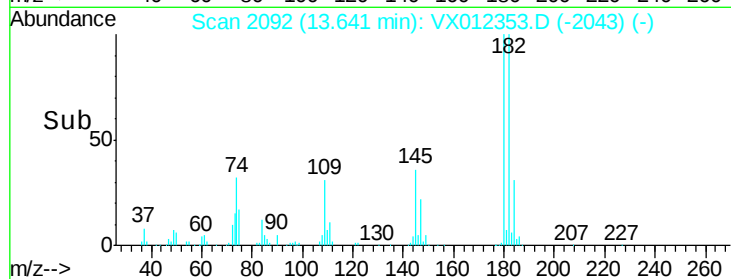
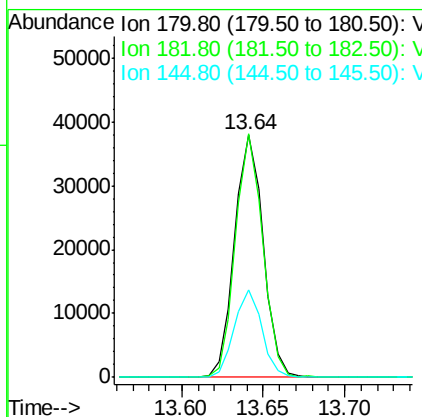
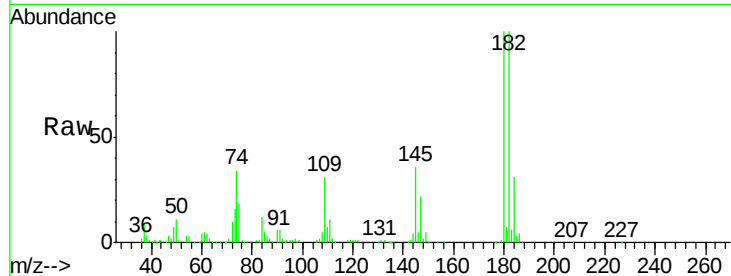
#93
 1,2,4-Trichlorobenzene
 Concen: 20.258 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46449		
182	95.5	46.9	140.8	
145	34.6	17.1	51.2	

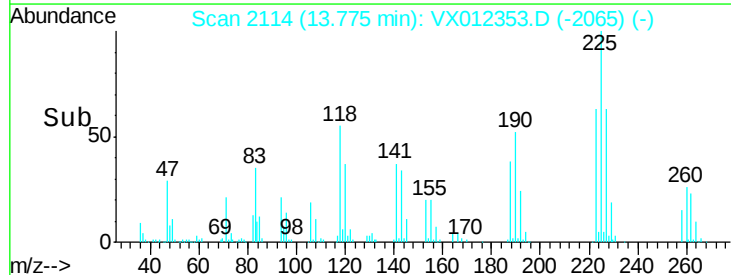
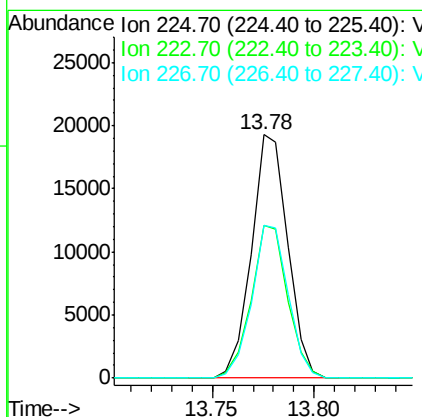
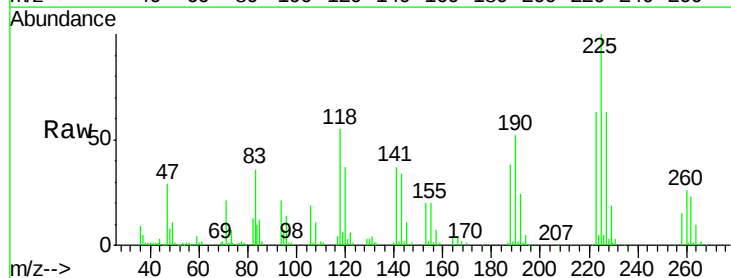
Manual Integrations
 APPROVED

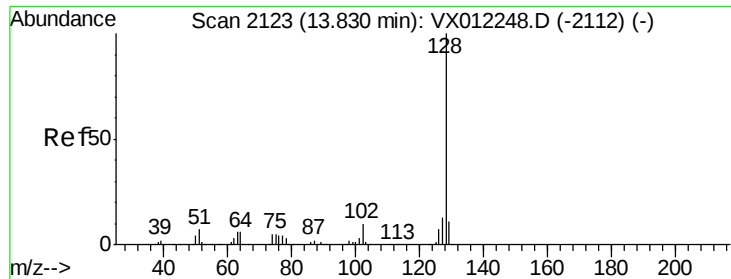
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 9/13/2019 10:11:54 AM



#94
 Hexachlorobutadiene
 Concen: 20.956 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX012353.D
 Acq: 12 Sep 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23903		
223	63.0	32.1	96.5	
227	62.9	32.5	97.5	





#95

Naphthalene

Concen: 19.697 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Instrument :

MSVOA_X

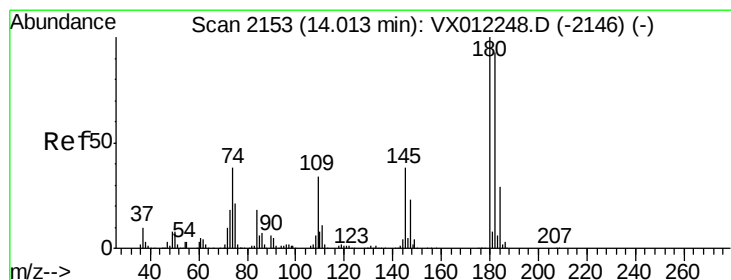
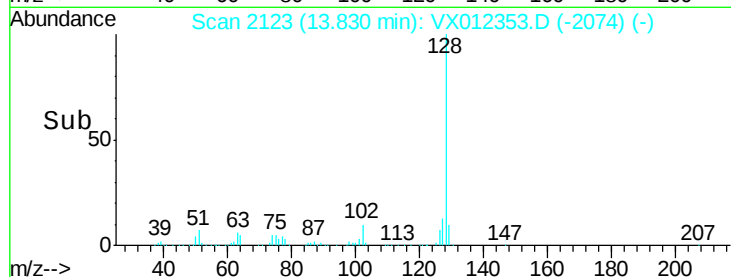
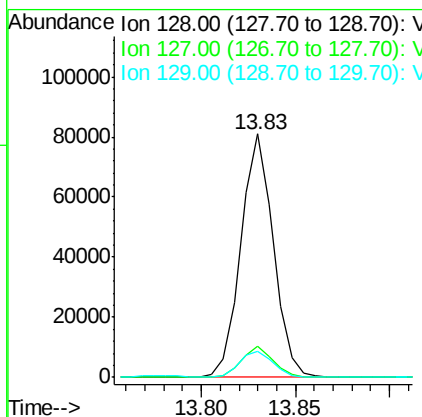
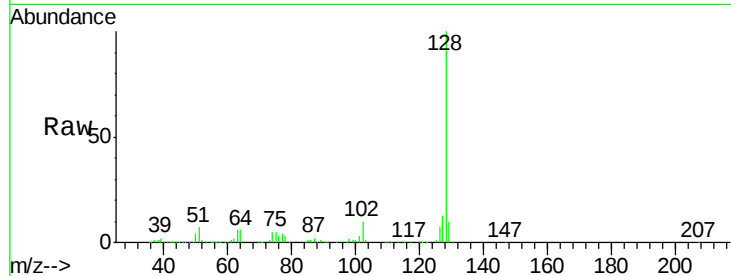
ClientSampleId :

VX0912SBS02

Tot Ion:	128	Resp:	96918
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 20.652 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012353.D

Acq: 12 Sep 2019 17:55

Tgt Ion:	180	Resp:	41896
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.0	141.0
145	36.4	18.6	55.8

