

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012103.D
 Acq On : 05 Sep 2019 16:14
 Operator : SY/SP
 Sample : VX0905SBSD01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:35 PM

Quant Time: Sep 06 06:40:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	109737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	209804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	196134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98865	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	88405	58.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.78%	
35) Dibromofluoromethane	5.48	113	66419	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.71	98	252663	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	11.14	95	113272	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	19217	18.990	ug/l	99
3) Chloromethane	1.31	50	20880	20.147	ug/l	100
4) Vinyl Chloride	1.39	62	19667	20.170	ug/l	95
5) Bromomethane	1.62	94	10862	22.456	ug/l	99
6) Chloroethane	1.70	64	13055	21.537	ug/l	100
7) Trichlorofluoromethane	1.91	101	30617	20.217	ug/l	100
8) Diethyl Ether	2.17	74	12202	23.315	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21253	18.947	ug/l #	83
10) Methyl Iodide	2.50	142	9220	13.972	ug/l	96
11) Tert butyl alcohol	3.04	59	17903	123.100	ug/l	95
12) 1,1-Dichloroethene	2.36	96	20192	18.686	ug/l	86
13) Acrolein	2.28	56	5047	121.215	ug/l	96
14) Allyl chloride	2.71	41	40726	20.829	ug/l	98
15) Acrylonitrile	3.13	53	37904	115.257	ug/l	97
16) Acetone	2.43	43	35806	98.935	ug/l	98
17) Carbon Disulfide	2.55	76	51533	16.318	ug/l	99
18) Methyl Acetate	2.76	43	21925	25.716	ug/l	94
19) Methyl tert-butyl Ether	3.18	73	80592	22.909	ug/l	97
20) Methylene Chloride	2.84	84	31622	21.758	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	24799	19.557	ug/l	93
22) Diisopropyl ether	3.84	45	90181	22.628	ug/l	95
23) Vinyl Acetate	3.80	43	287466	111.505	ug/l	97
24) 1,1-Dichloroethane	3.68	63	48873	21.144	ug/l	97
25) 2-Butanone	4.65	43	52937	114.908	ug/l	93
26) 2,2-Dichloropropane	4.56	77	40687	19.066	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	31503	21.194	ug/l	94
28) Bromochloromethane	5.00	49	21873	23.707	ug/l #	78
29) Tetrahydrofuran	5.12	42	33408	120.361	ug/l	98
30) Chloroform	5.19	83	53351	21.511	ug/l	99
31) Cyclohexane	5.56	56	34647	18.664	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	44975	20.821	ug/l	96
36) 1,1-Dichloropropene	5.79	75	33959	18.378	ug/l	95
37) Ethyl Acetate	4.82	43	22648	22.539	ug/l	98
38) Carbon Tetrachloride	5.77	117	36941	18.972	ug/l	95

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 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:35 PM

Quant Time: Sep 06 06:40:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	37412	17.444	ug/l	94
40) Benzene	6.13	78	105273	19.845	ug/l	97
41) Methacrylonitrile	5.03	41	13702	22.866	ug/l	96
42) 1,2-Dichloroethane	6.18	62	42526	22.276	ug/l	97
43) Isopropyl Acetate	6.43	43	46209	22.616	ug/l	98
44) Trichloroethene	7.20	130	28542	19.948	ug/l	89
45) 1,2-Dichloropropane	7.50	63	28940	21.115	ug/l	99
46) Dibromomethane	7.65	93	16866	21.080	ug/l #	74
47) Bromodichloromethane	7.89	83	41866	20.586	ug/l	96
48) Methyl methacrylate	7.76	41	22901	22.292	ug/l	97
49) 1,4-Dioxane	7.73	88	6235	445.209	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	121932	117.328	ug/l	98
52) Toluene	8.78	92	69251	20.064	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	42355	20.116	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	46663	19.930	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	24641	21.542	ug/l	94
56) Ethyl methacrylate	9.17	69	35475	21.652	ug/l	95
57) 1,3-Dichloropropane	9.37	76	42807	21.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	84603	114.534	ug/l	94
59) 2-Hexanone	9.49	43	86849	114.530	ug/l	98
60) Dibromochloromethane	9.58	129	28683	21.040	ug/l	98
61) 1,2-Dibromoethane	9.67	107	23423	21.192	ug/l	99
64) Tetrachloroethene	9.33	164	25128	20.550	ug/l #	83
65) Chlorobenzene	10.14	112	77868	20.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	29297	20.705	ug/l	98
67) Ethyl Benzene	10.25	91	137717	19.523	ug/l	97
68) m/p-Xylenes	10.35	106	101160	38.923	ug/l	87
69) o-Xylene	10.70	106	51251	20.336	ug/l	91
70) Styrene	10.71	104	89485	20.443	ug/l	96
71) Bromoform	10.85	173	16126	20.749	ug/l #	98
73) Isopropylbenzene	11.01	105	136723	18.848	ug/l	96
74) N-amyl acetate	10.89	43	44781	20.880	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	32166	21.270	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	25132m	20.805	ug/l	
77) Bromobenzene	11.25	156	33098	20.401	ug/l	69
78) n-propylbenzene	11.35	91	164121	18.728	ug/l	94
79) 2-Chlorotoluene	11.42	91	105702	19.909	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	122657	19.295	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9212	18.029	ug/l	91
82) 4-Chlorotoluene	11.51	91	124202	19.627	ug/l	92
83) tert-Butylbenzene	11.76	119	116016	19.148	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	125813	19.257	ug/l	95
85) sec-Butylbenzene	11.94	105	141861	18.851	ug/l	94
86) p-Isopropyltoluene	12.06	119	129784	18.963	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	65198	20.056	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	65645	20.195	ug/l	93
89) n-Butylbenzene	12.39	91	125355	18.855	ug/l	95
90) Hexachloroethane	12.59	117	25243	18.472	ug/l	55
91) 1,2-Dichlorobenzene	12.39	146	62478	21.340	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6748	21.324	ug/l	63

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD01

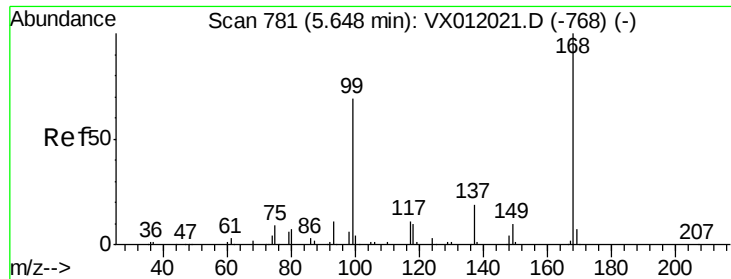
Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:35 PM

Quant Time: Sep 06 06:40:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	40486	19.428	ug/l	95
94) Hexachlorobutadiene	13.78	225	20998	19.989	ug/l	97
95) Naphthalene	13.83	128	95810	21.243	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	37262	20.325	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion:168 Resp: 109737

Ion Ratio Lower Upper

168 100

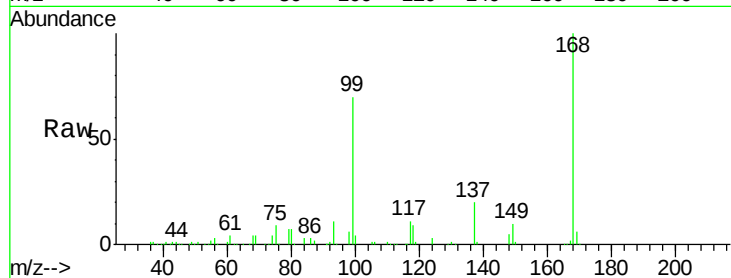
99 69.9 37.6 56.4#

Manual Integrations

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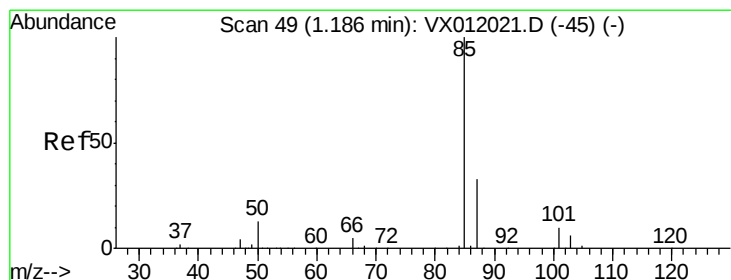
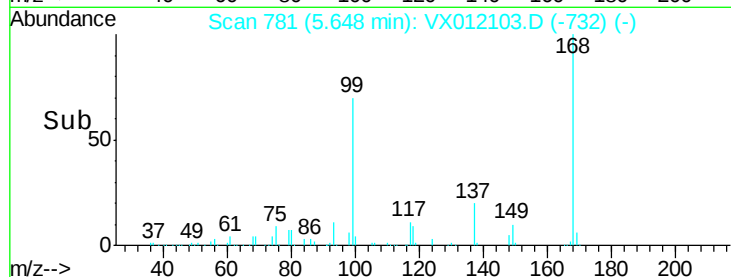
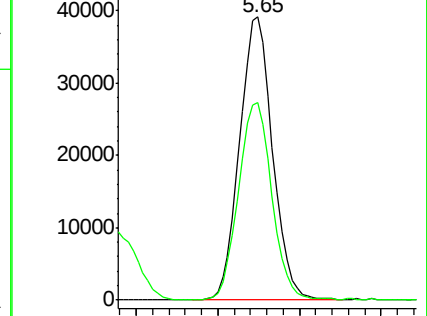
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9/6/2019 12:31:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.990 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012103.D

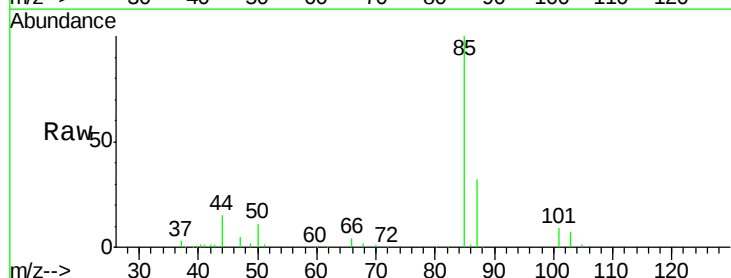
Acq: 05 Sep 2019 16:14

Tgt Ion: 85 Resp: 19217

Ion Ratio Lower Upper

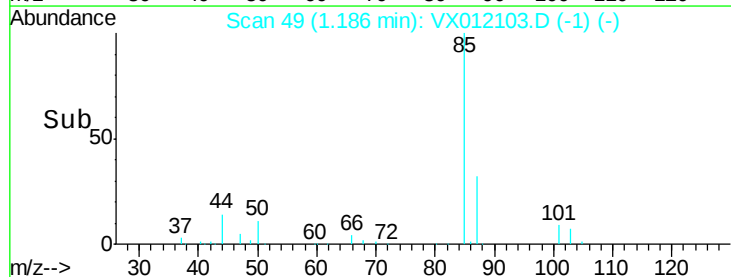
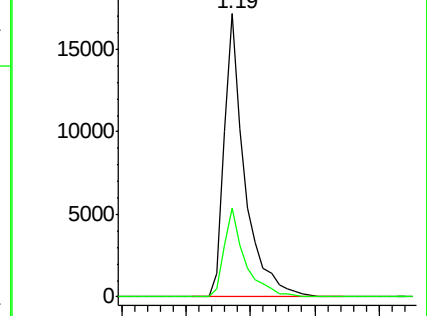
85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.147 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 50 Resp: 20880

Ion Ratio Lower Upper

50 100

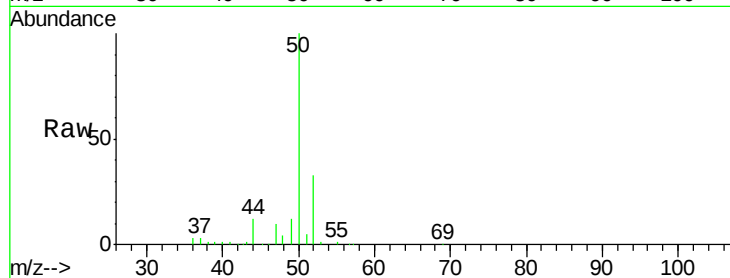
52 33.0 26.5 39.7

Manual Integrations

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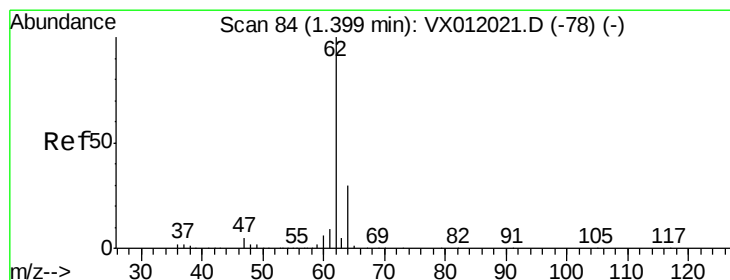
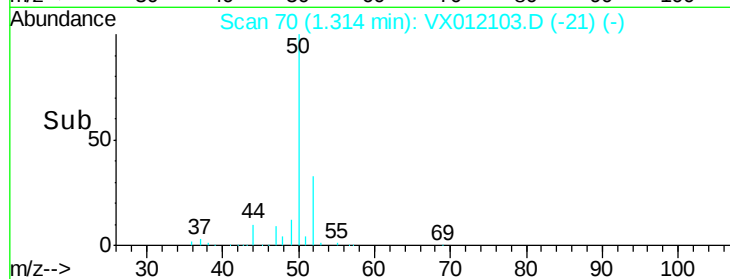
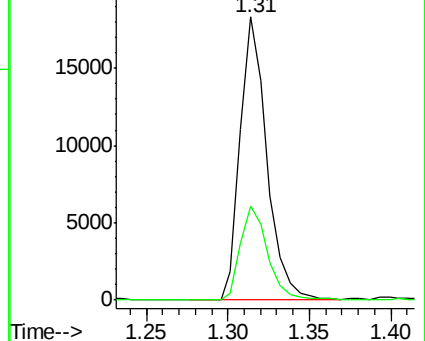
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.170 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012103.D

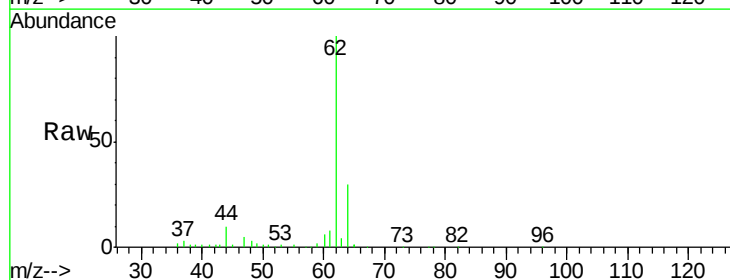
Acq: 05 Sep 2019 16:14

Tgt Ion: 62 Resp: 19667

Ion Ratio Lower Upper

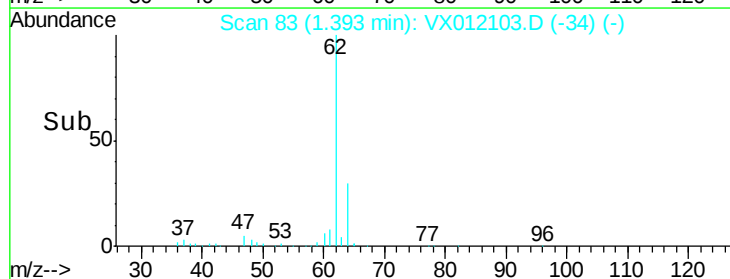
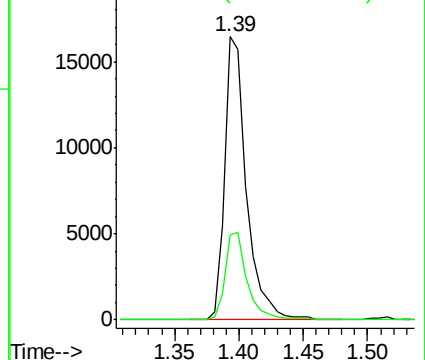
62 100

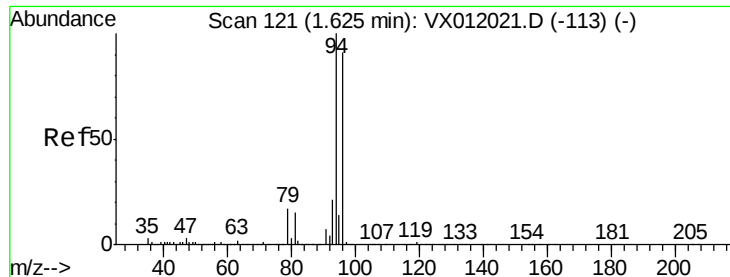
64 30.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.456 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBSD01

Tot Ion: 94 Resp: 10862

Ion Ratio Lower Upper

94 100

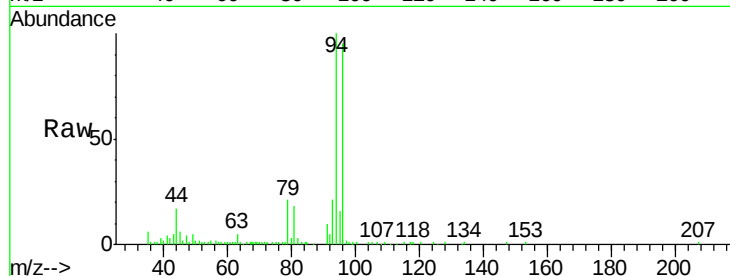
96 94.7 76.3 114.5

Manual Integrations

APPROVED

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9/6/2019 12:31:35 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

12000

10000

8000

6000

4000

2000

0

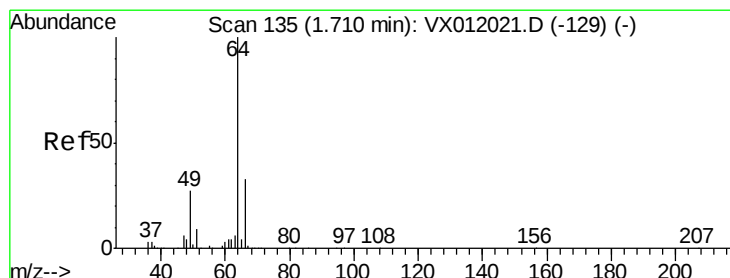
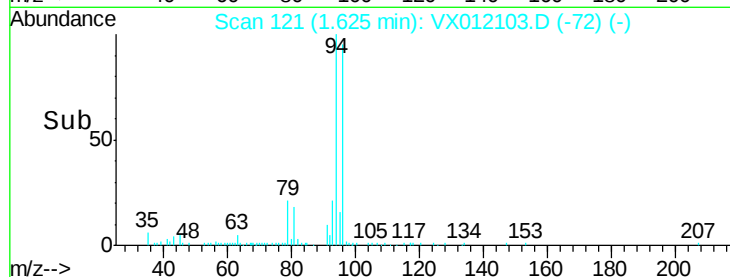
1.60

1.62

1.65

1.70

Time-->



#6

Chloroethane

Concen: 21.537 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012103.D

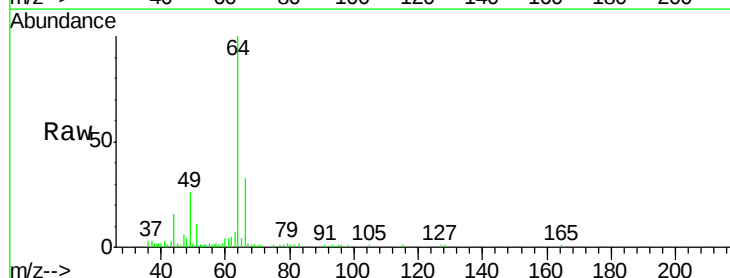
Acq: 05 Sep 2019 16:14

Tgt Ion: 64 Resp: 13055

Ion Ratio Lower Upper

64 100

66 32.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

10000

8000

6000

4000

2000

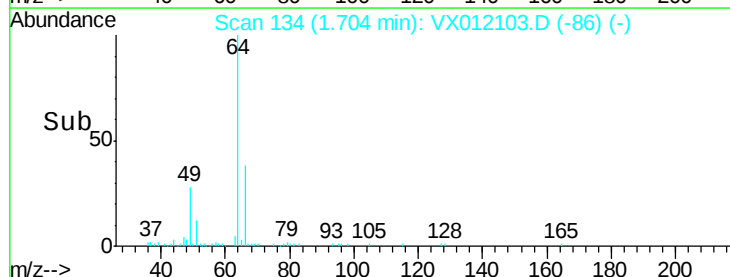
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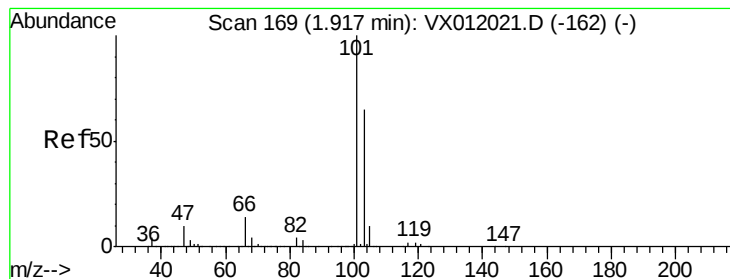
1.60

1.70

1.80

Time-->





#7

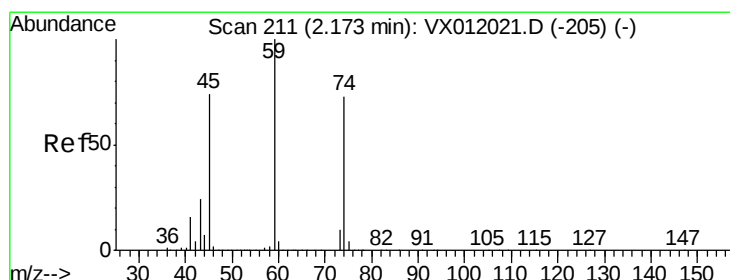
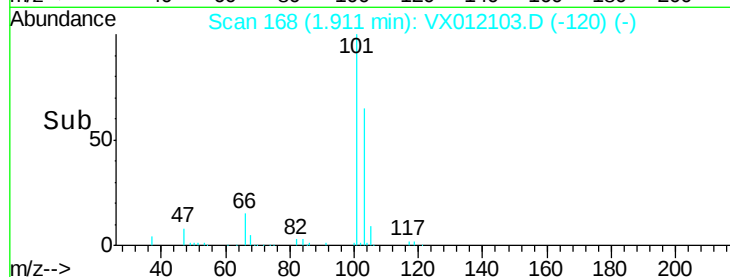
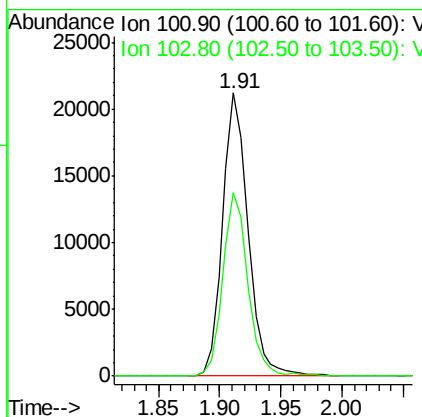
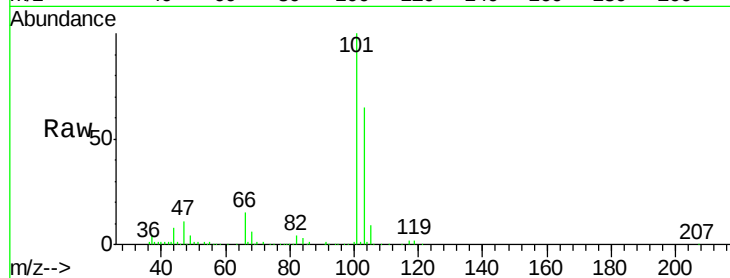
Trichlorofluoromethane
 Concen: 20.217 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

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 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.6	77.4

Manual Integrations
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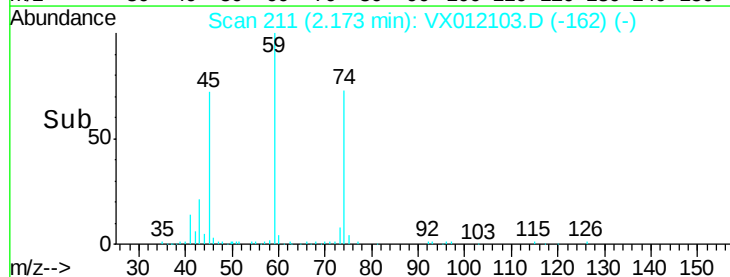
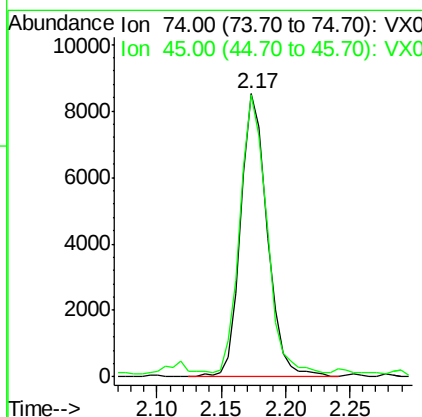
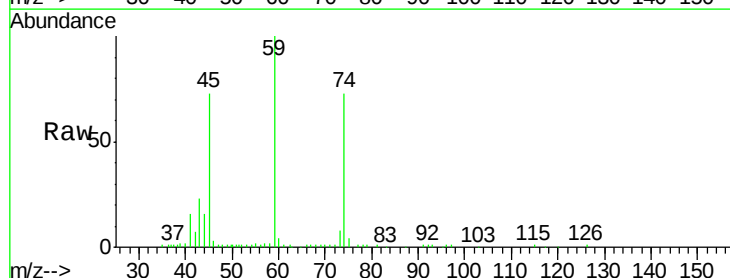
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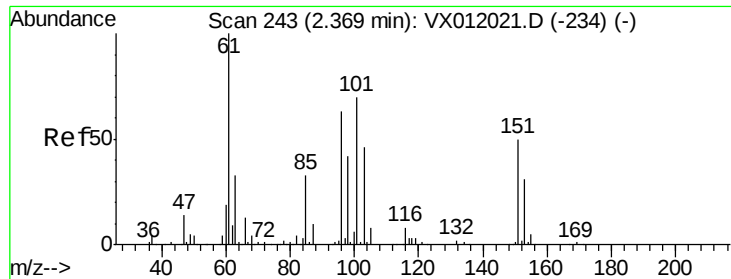


#8

Diethyl Ether
 Concen: 23.315 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.947 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

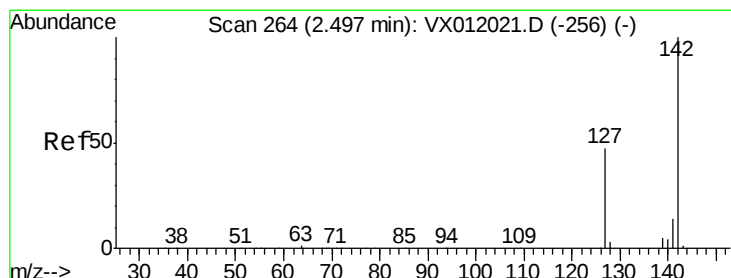
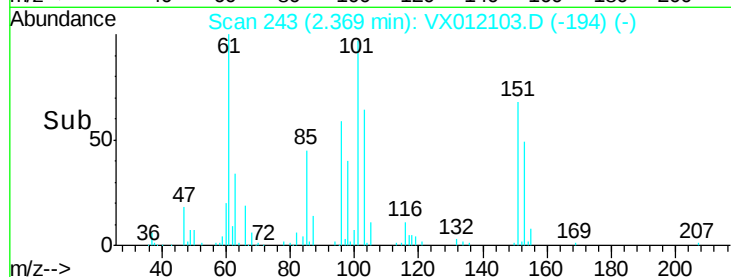
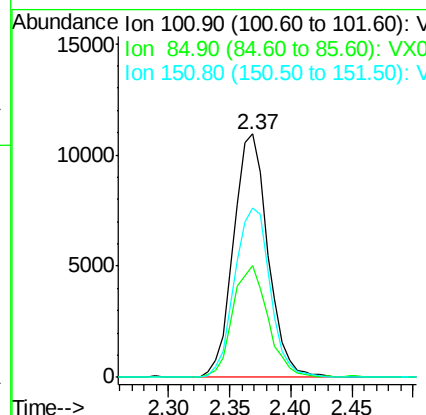
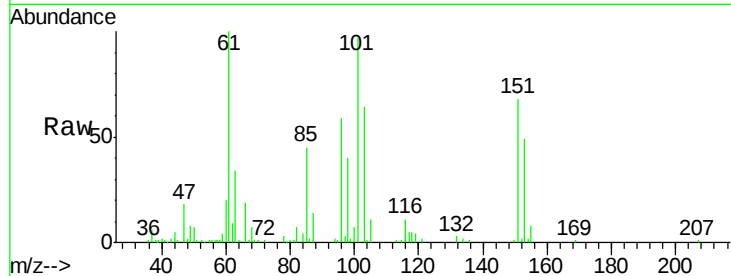
ClientSampleId :

VX0905SBS01

Tot Ion:	101	Resp:	21253
Ion Ratio	Lower	Upper	
101	100		
85	46.7	34.5	51.7
151	72.2	75.0	112.4#

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#10

Methyl Iodide

Concen: 13.972 ug/l

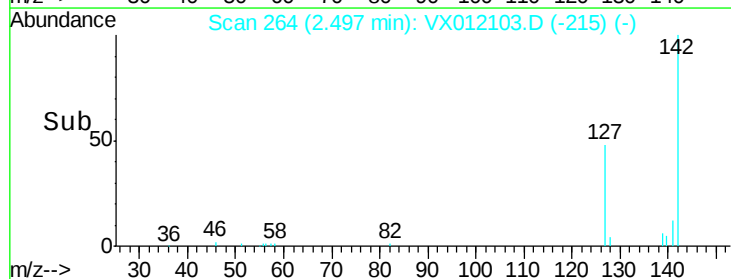
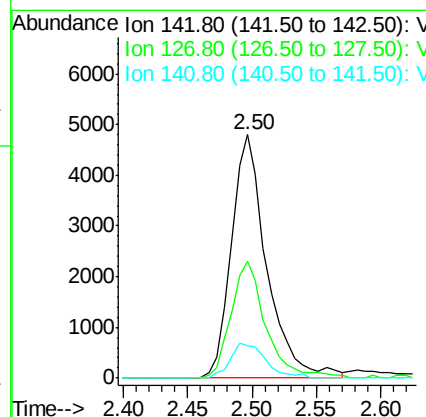
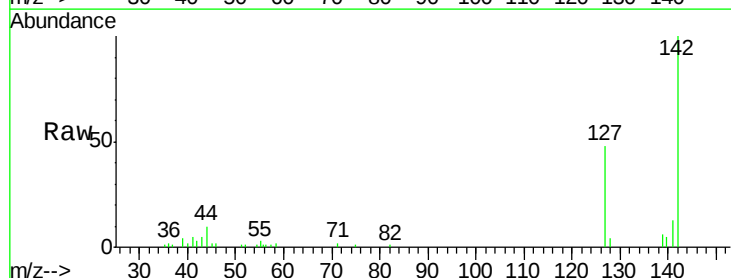
RT: 2.50 min Scan# 264

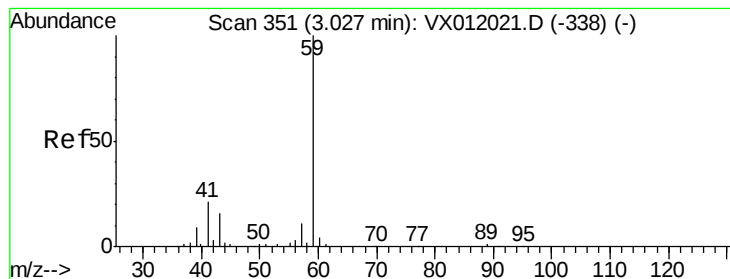
Delta R.T. 0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Tgt Ion:	142	Resp:	9220
Ion Ratio	Lower	Upper	
142	100		
127	47.4	35.4	53.2
141	14.5	11.4	17.2





#11

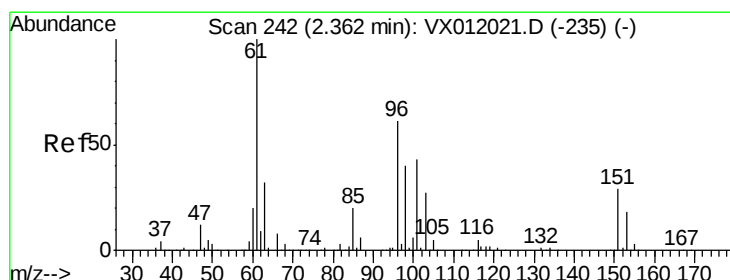
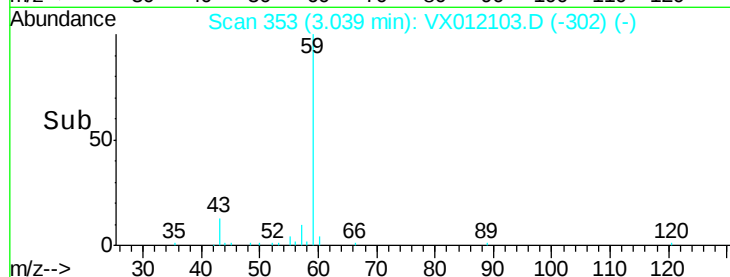
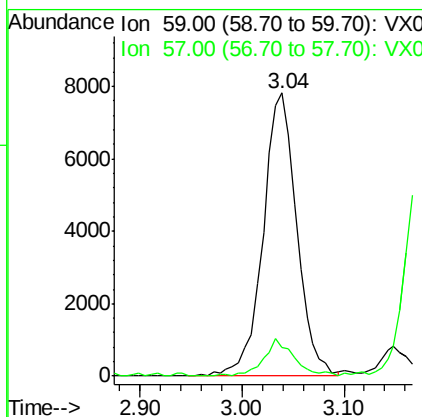
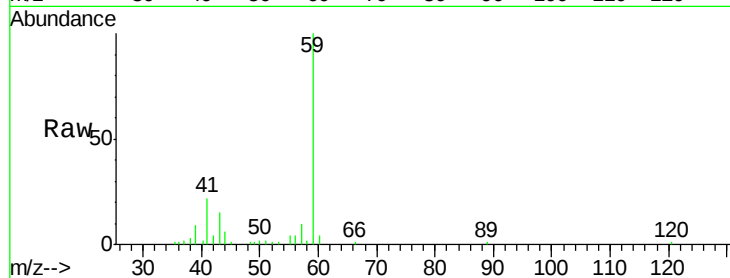
Tert butyl alcohol
Concen: 123.100 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	59	57	Ratio	100	11.7	Resp	17903	Lower	7.9	Upper	11.9
Ion	59	57	Ratio	100	11.7	Resp	17903	Lower	7.9	Upper	11.9

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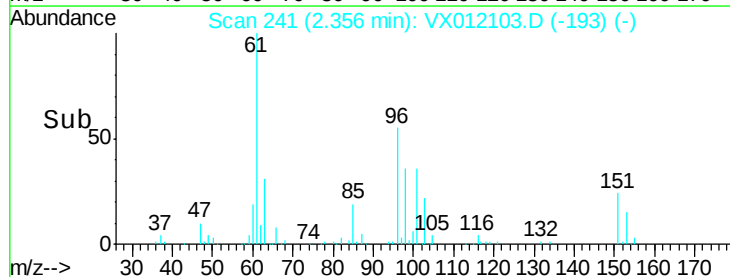
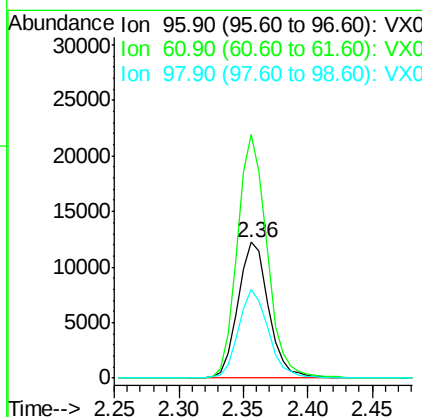
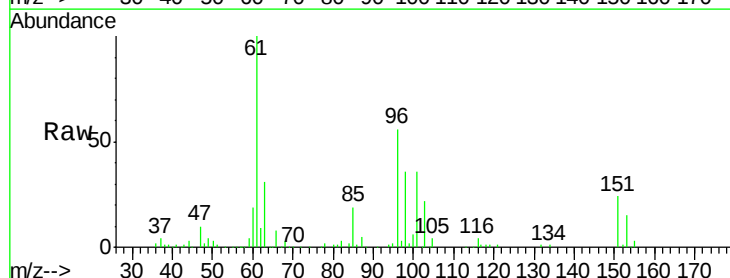
MMDadoda
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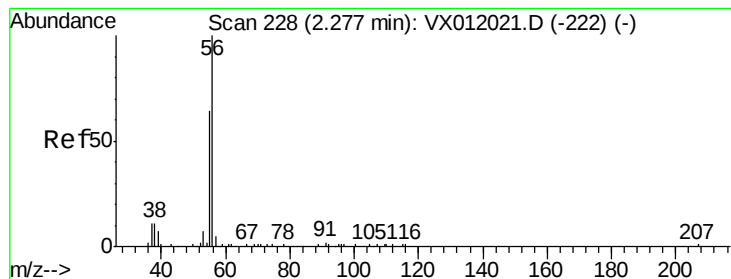


#12

1,1-Dichloroethene
Concen: 18.686 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	96	61	98	Ratio	100	179.6	65.1	Resp	20192	Lower	124.1	50.2	Upper	186.1	75.2
Ion	96	61	98	Ratio	100	179.6	65.1	Resp	20192	Lower	124.1	50.2	Upper	186.1	75.2





#13

Acrolein

Concen: 121.215 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 56 Resp: 5047

Ion Ratio Lower Upper

56 100

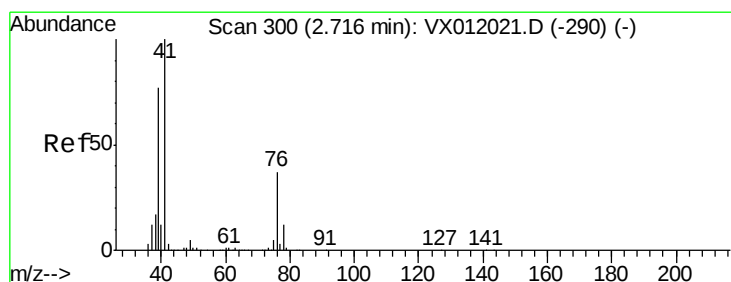
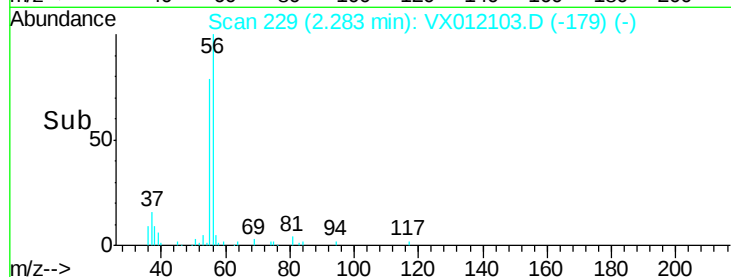
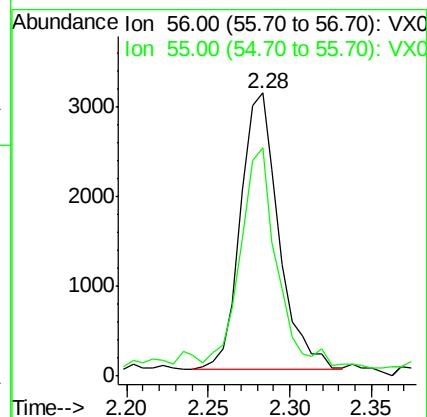
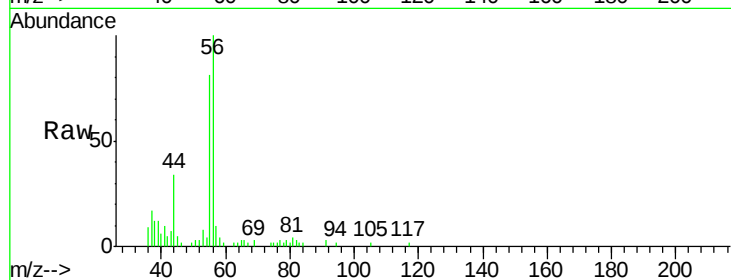
55 77.7 59.2 88.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.829 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

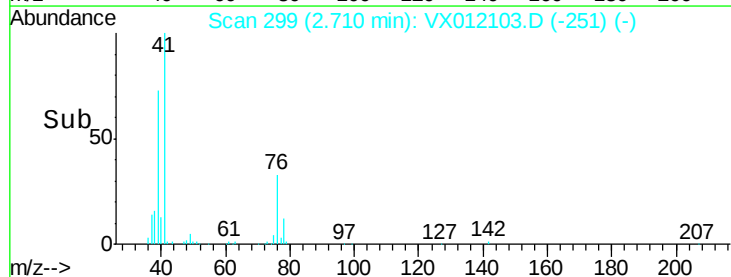
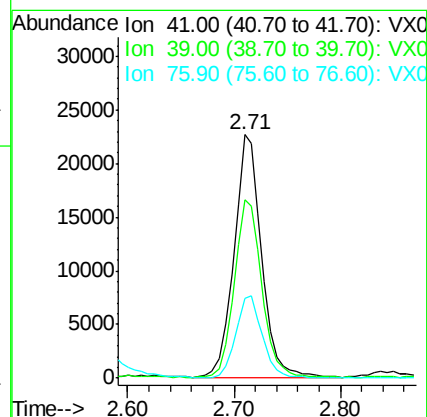
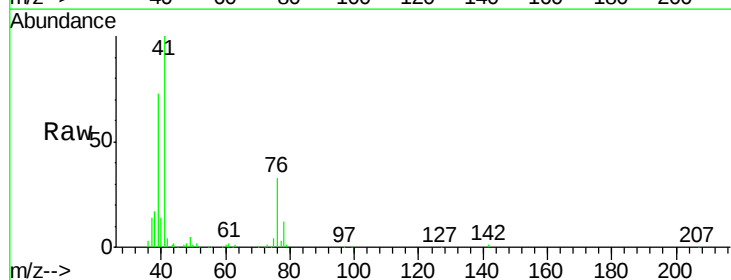
Tgt Ion: 41 Resp: 40726

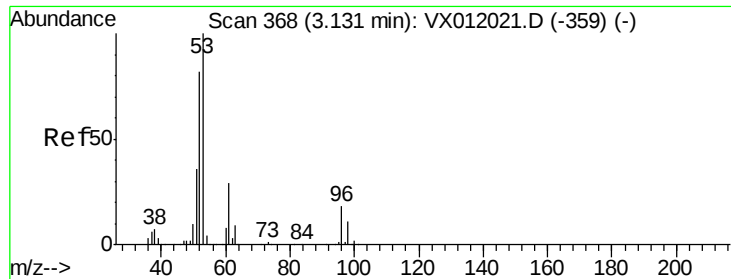
Ion Ratio Lower Upper

41 100

39 73.1 57.9 86.9

76 32.8 28.5 42.7





#15

Acrylonitrile

Concen: 115.257 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

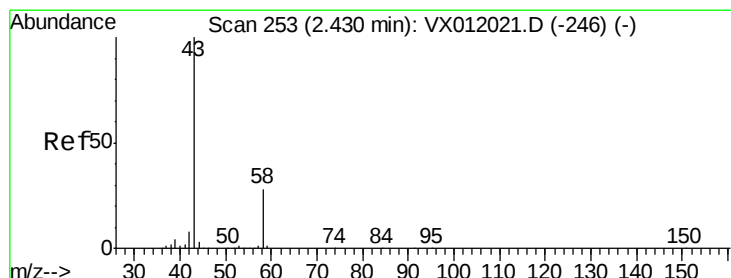
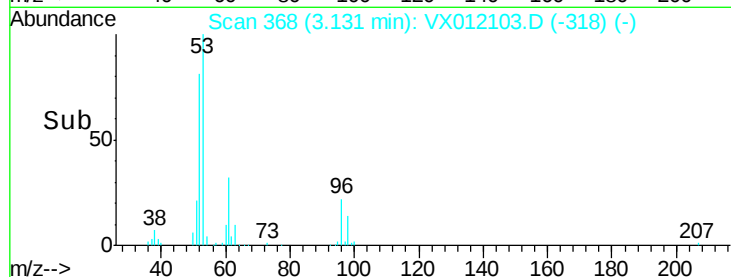
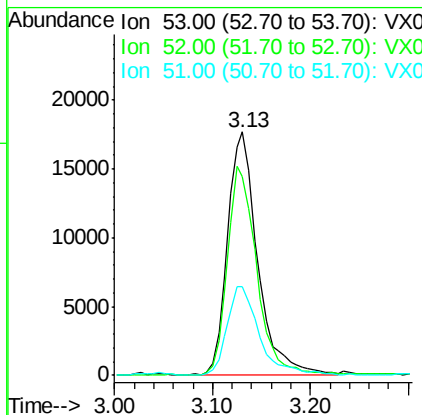
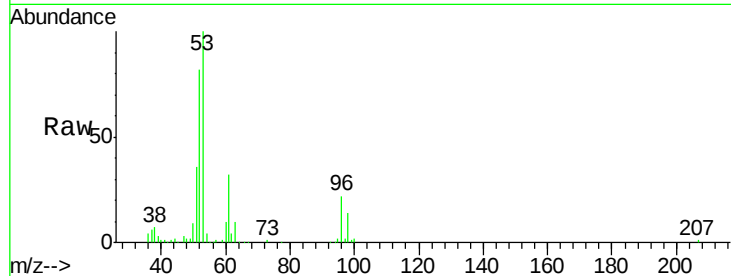
ClientSampleId :

VX0905SBS01

Tot Ion:	53	Resp:	37904
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.6	98.4
51	39.5	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 98.935 ug/l

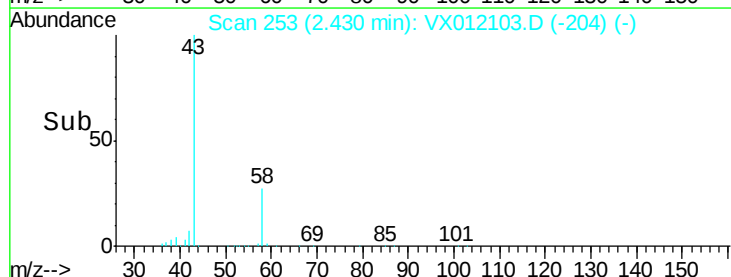
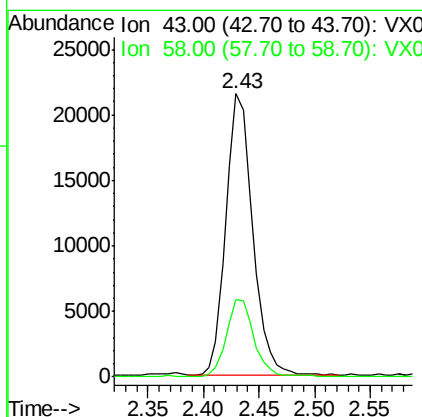
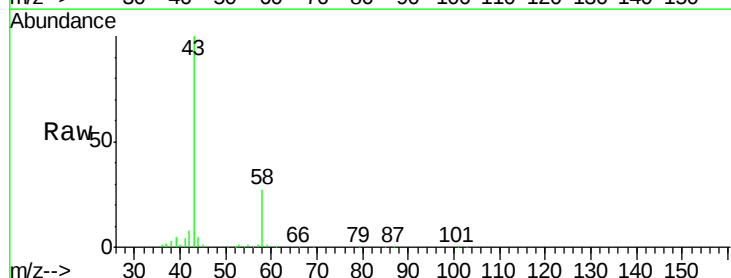
RT: 2.43 min Scan# 253

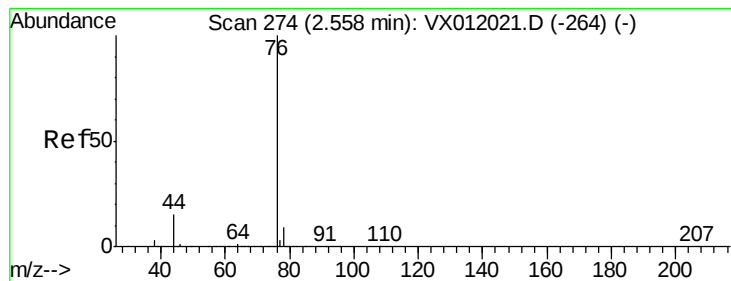
Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Tgt Ion:	43	Resp:	35806
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.8	34.2





#17

Carbon Disulfide

Concen: 16.318 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBSD01

Tot Ion: 76 Resp: 51533

Ion Ratio Lower Upper

76 100

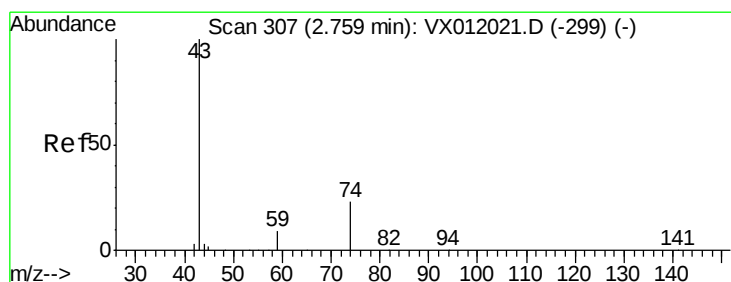
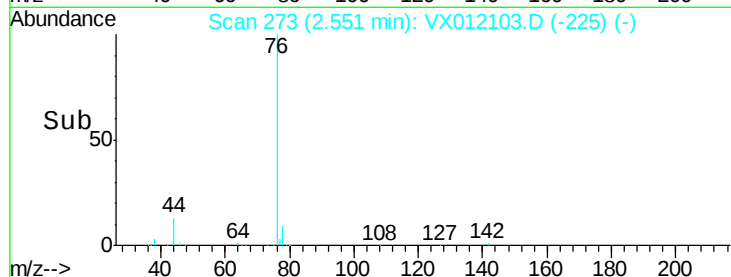
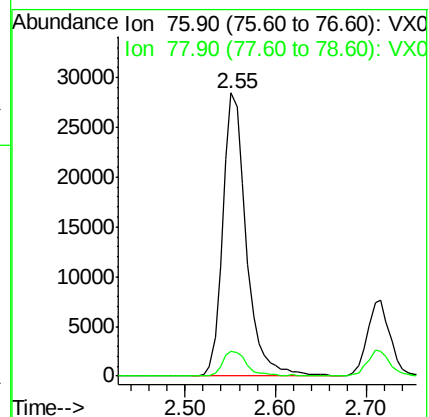
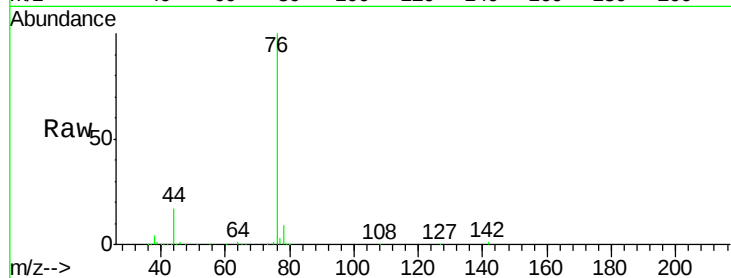
78 8.9 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 25.716 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012103.D

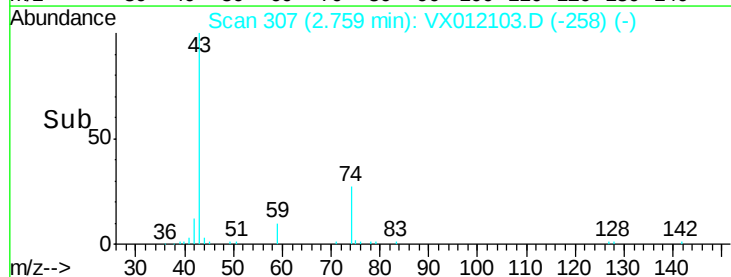
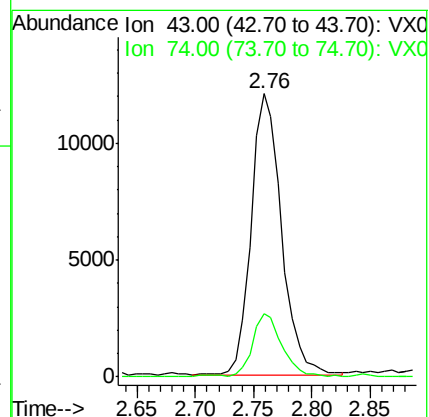
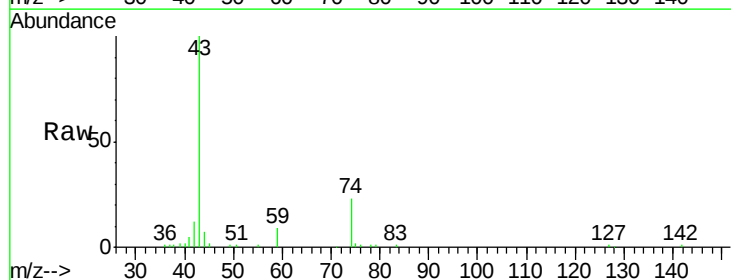
Acq: 05 Sep 2019 16:14

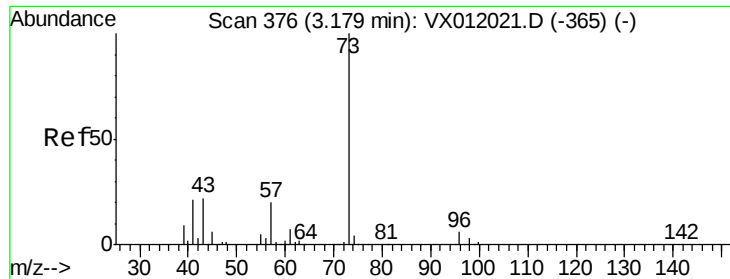
Tgt Ion: 43 Resp: 21925

Ion Ratio Lower Upper

43 100

74 21.6 19.5 29.3





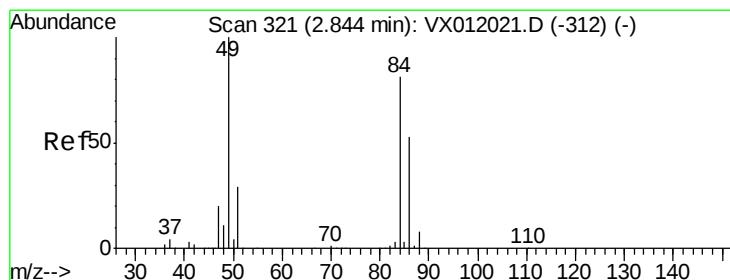
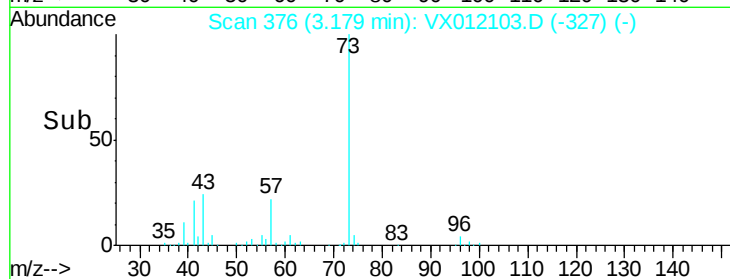
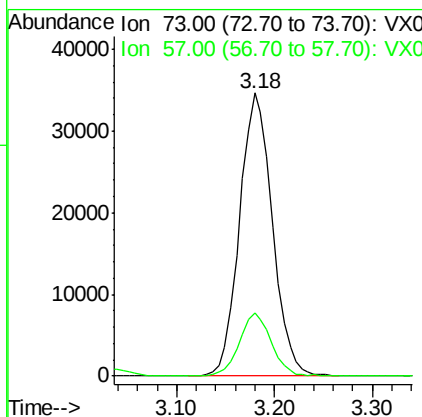
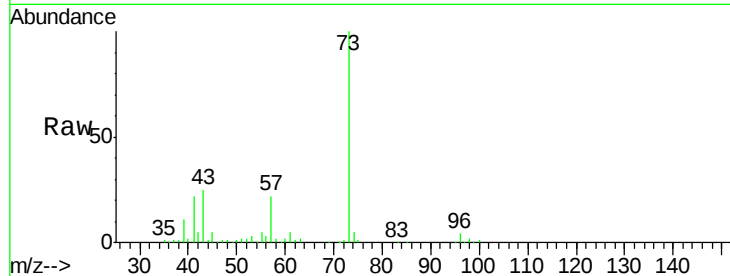
#19
Methyl tert-butyl Ether
Concen: 22.909 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampled :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	16.6	25.0

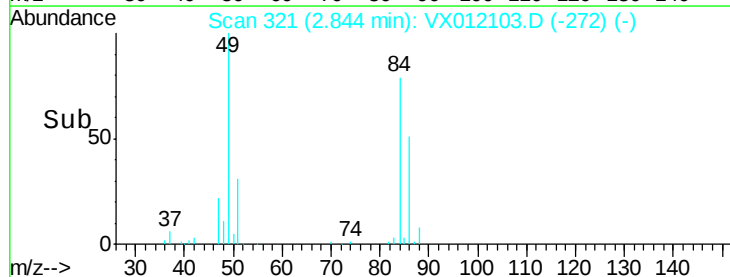
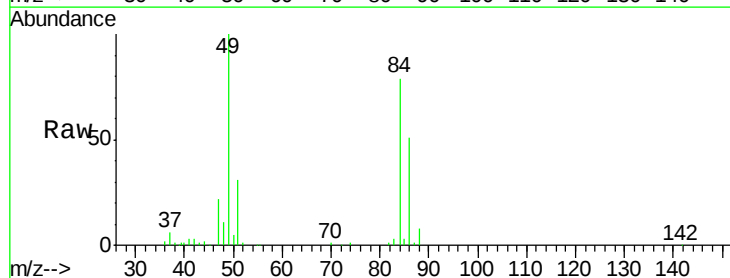
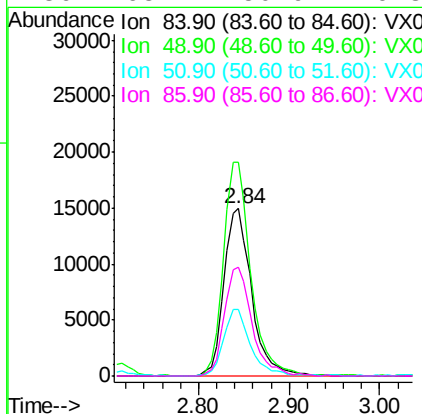
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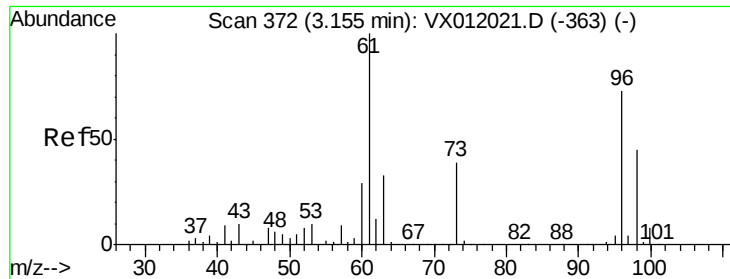
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#20
Methylene Chloride
Concen: 21.758 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.3	95.8	143.8
51	39.0	28.6	43.0
86	65.1	50.9	76.3





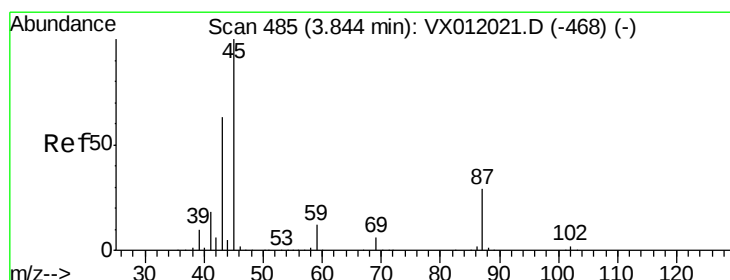
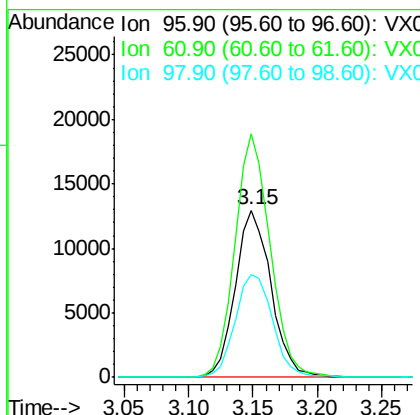
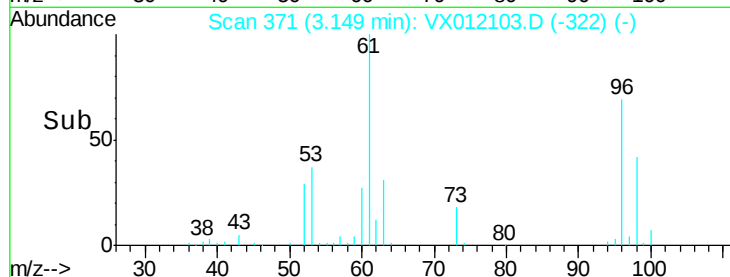
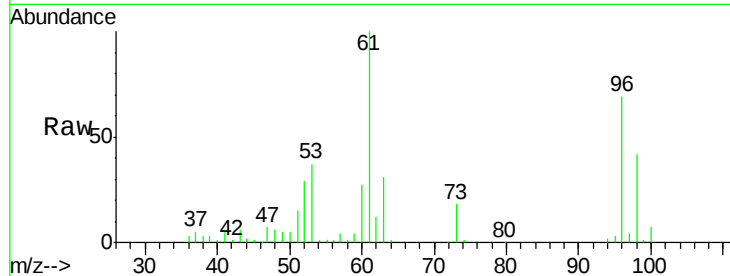
#21
trans-1,2-Dichloroethene
Concen: 19.557 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	107.0	160.6
98	61.7	49.8	74.6

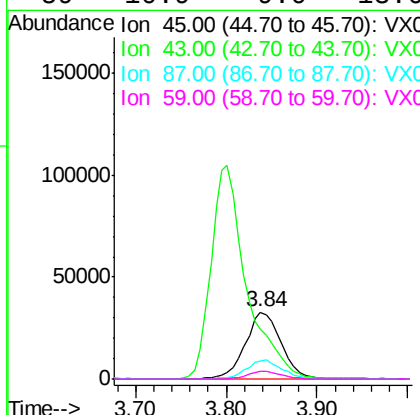
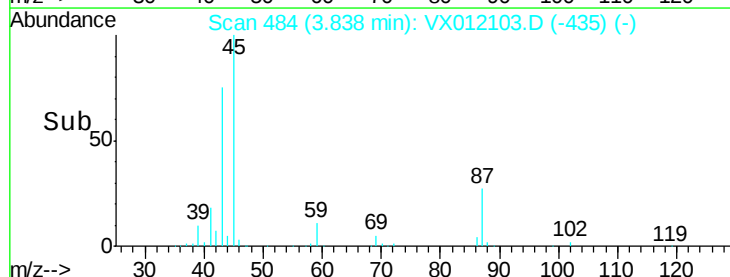
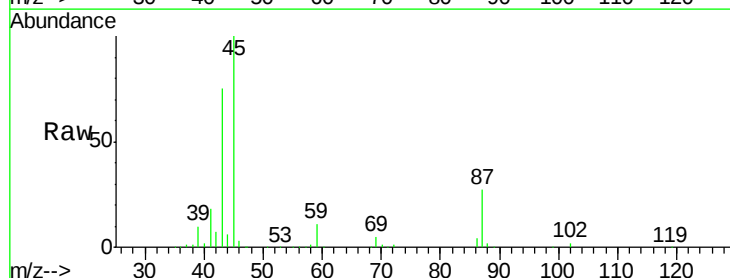
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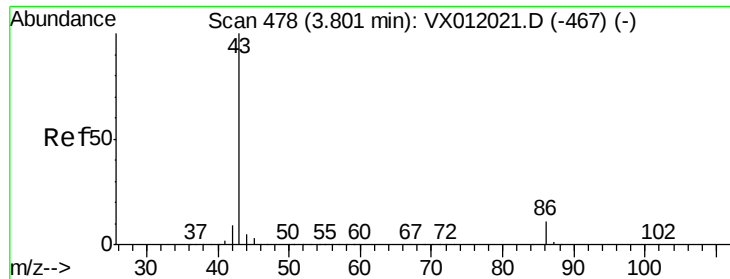
MMDadoda
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#22
Diisopropyl ether
Concen: 22.628 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.2	54.2	81.4
87	26.8	23.4	35.0
59	10.9	9.0	13.6





#23

Vinyl Acetate

Concen: 111.505 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 43 Resp: 287466

Ion Ratio Lower Upper

43 100

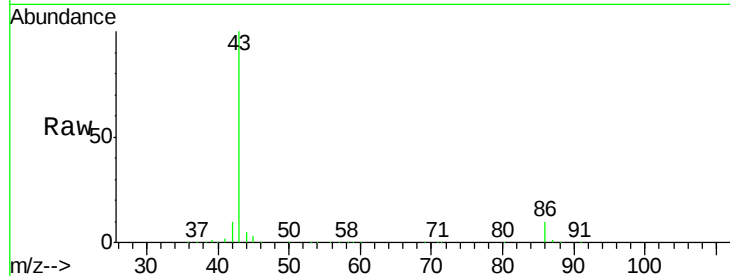
86 10.2 9.0 13.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

120000

100000

80000

60000

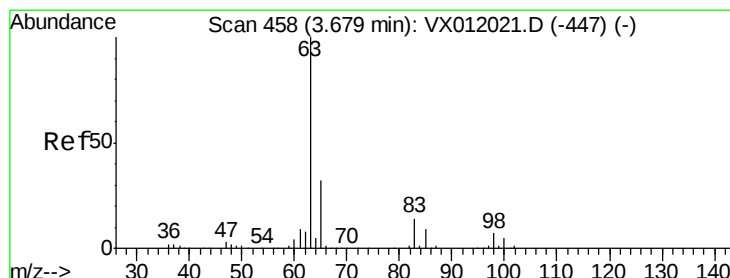
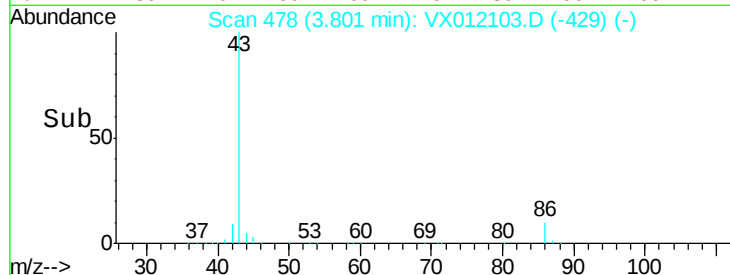
40000

20000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.144 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

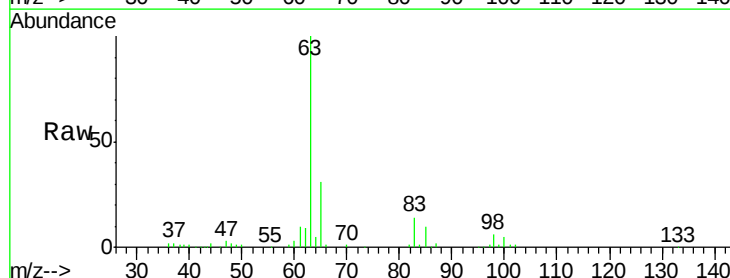
Tgt Ion: 63 Resp: 48873

Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.7

100 4.6 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

15000

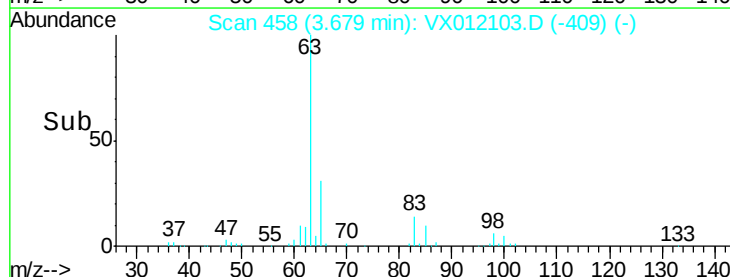
10000

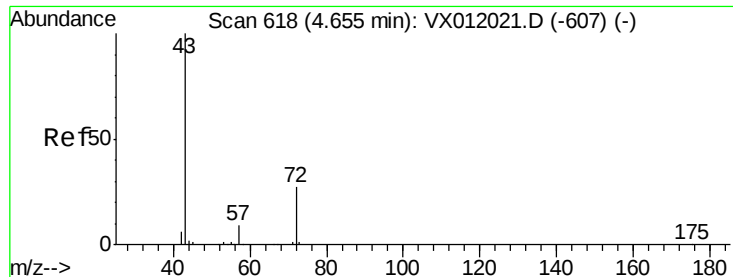
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 114.908 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 43 Resp: 52937

Ion Ratio Lower Upper

43 100

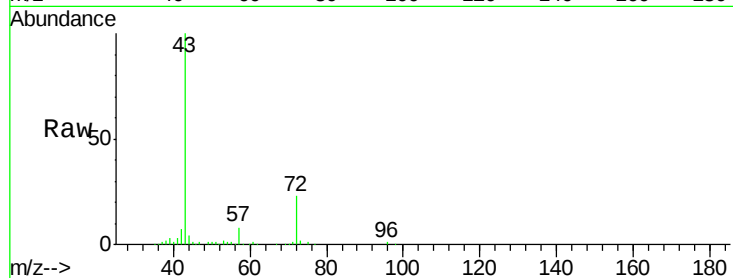
72 23.1 21.3 31.9

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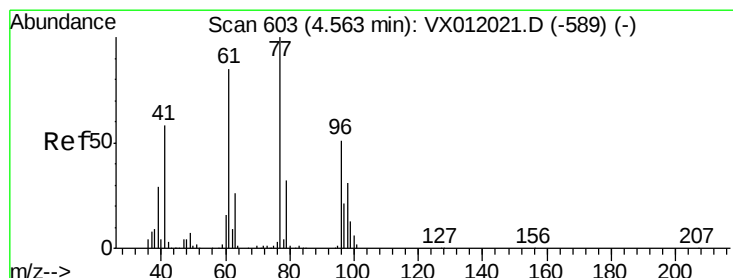
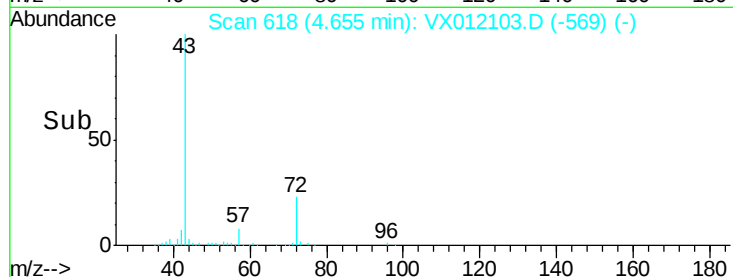
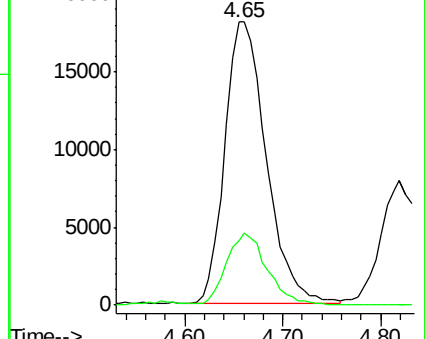
MMDadoda

9/6/2019 12:31:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.066 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012103.D

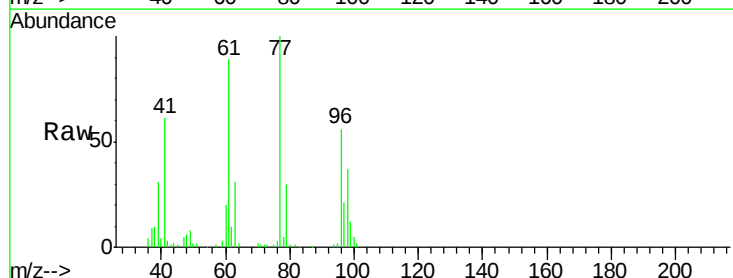
Acq: 05 Sep 2019 16:14

Tgt Ion: 77 Resp: 40687

Ion Ratio Lower Upper

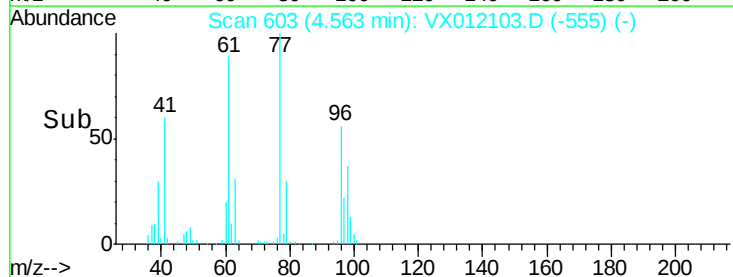
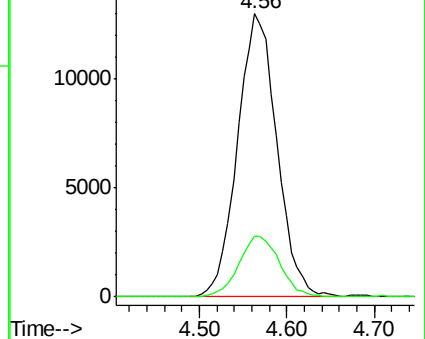
77 100

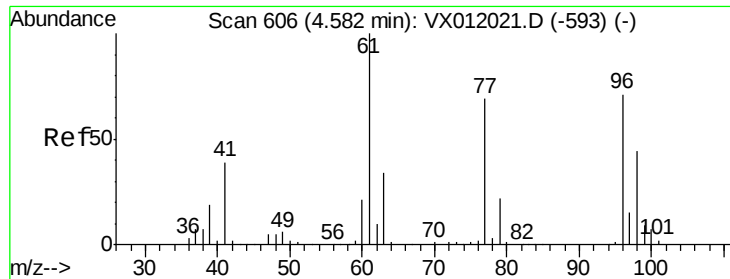
97 22.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

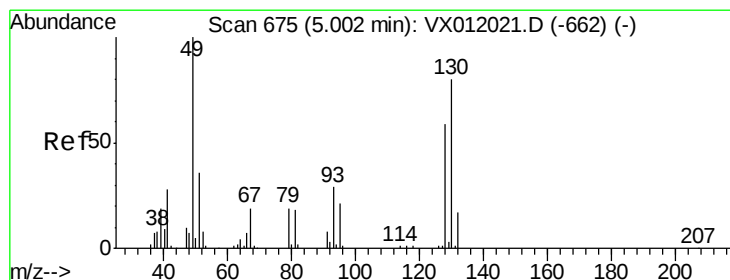
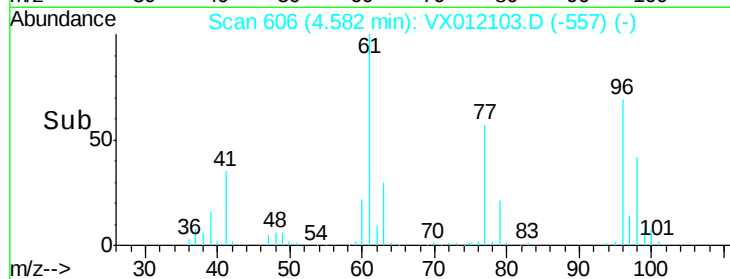
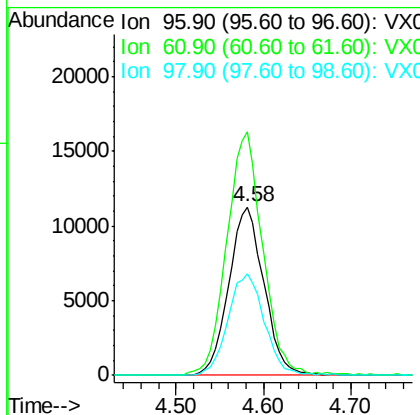
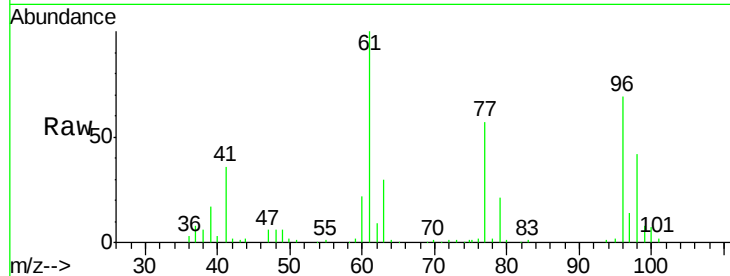
cis-1,2-Dichloroethene
Concen: 21.194 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	277.0
98	62.1	0.0	128.4

Manual Integrations
APPROVED

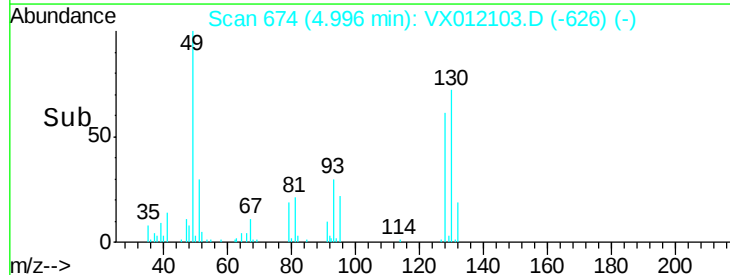
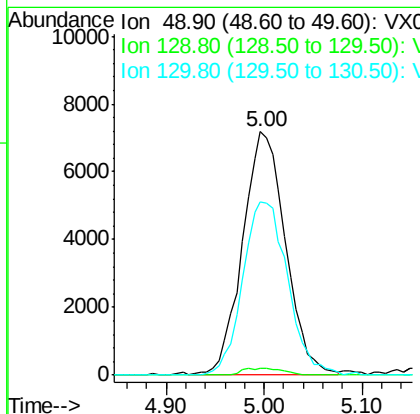
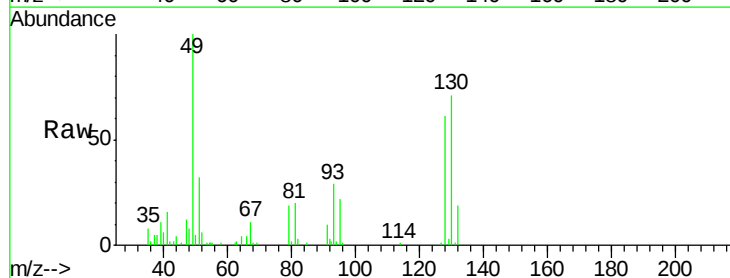
MMDadoda
9/6/2019 12:31:35 PM

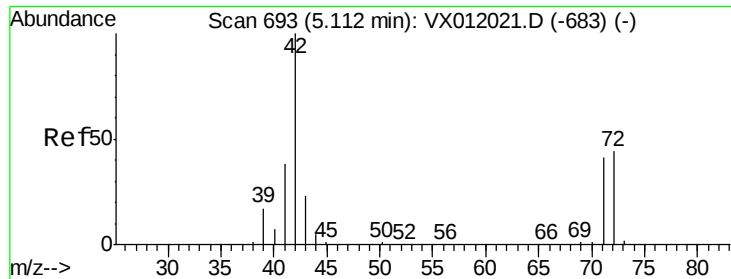


#28

Bromochloromethane
Concen: 23.707 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	5.6
130	74.4	76.7	115.1#





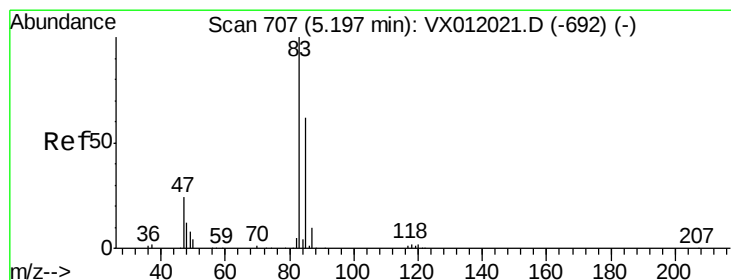
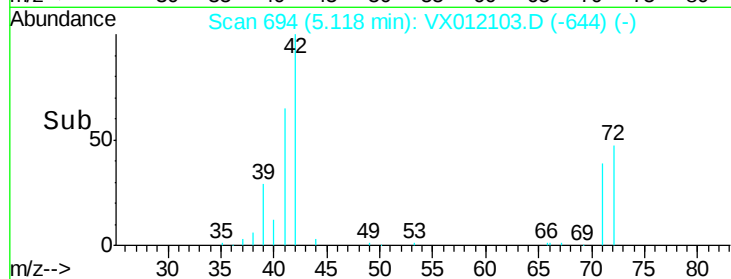
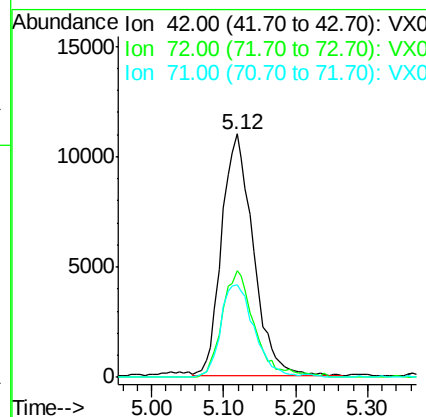
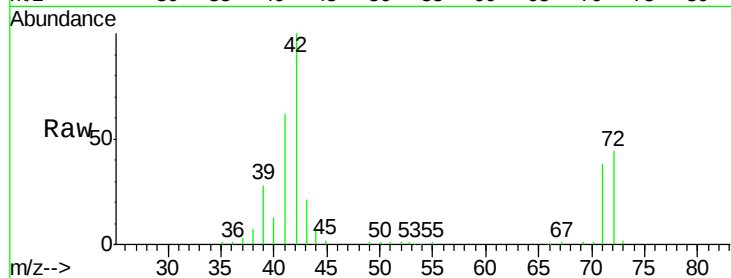
#29
Tetrahydrofuran
Concen: 120.361 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.0	55.4
71	40.6	33.8	50.8

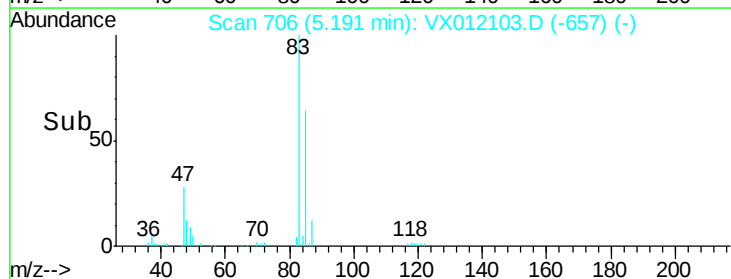
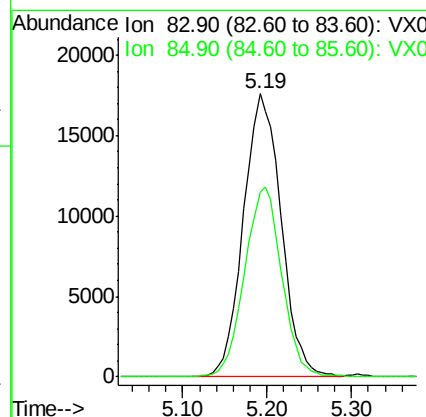
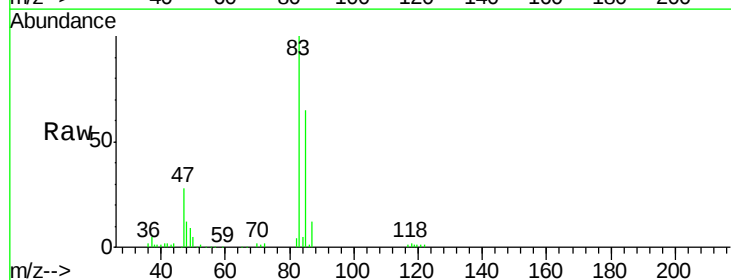
Manual Integrations
APPROVED

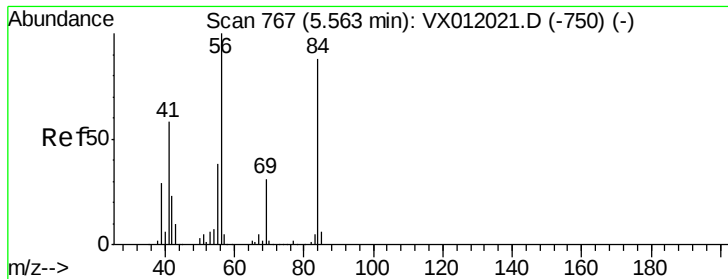
MMDadoda
9/6/2019 12:31:35 PM



#30
Chloroform
Concen: 21.511 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





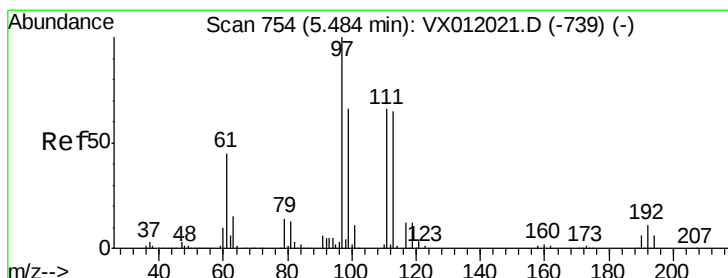
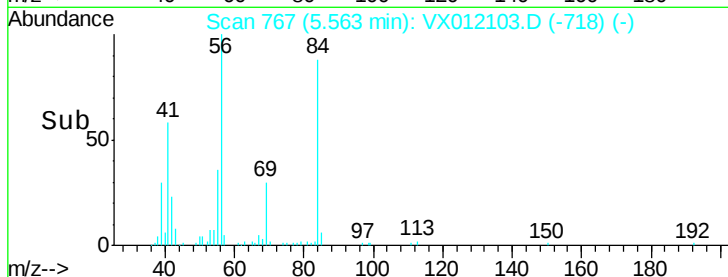
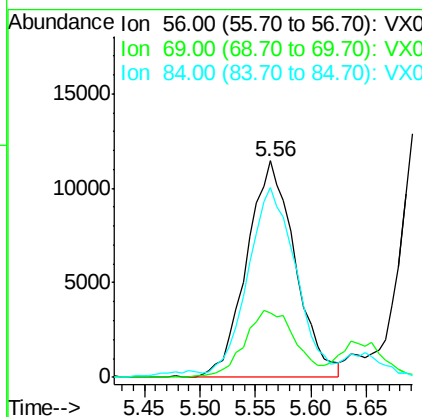
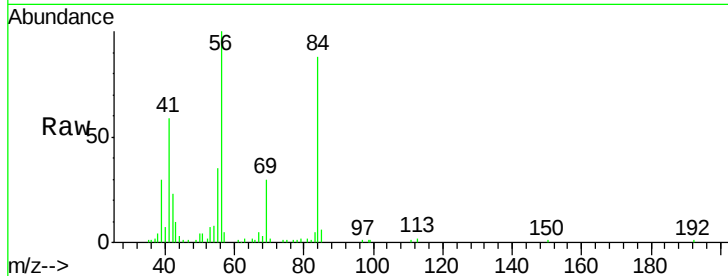
#31
Cyclohexane
Concen: 18.664 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.7	38.5
84	84.5	70.3	105.5

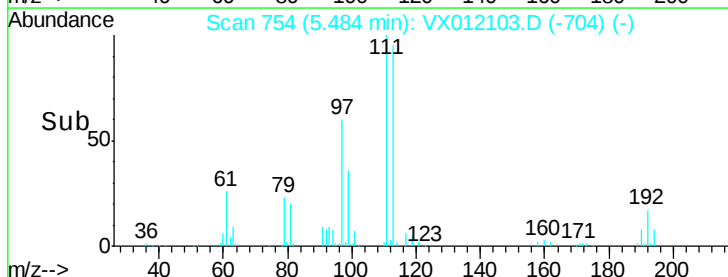
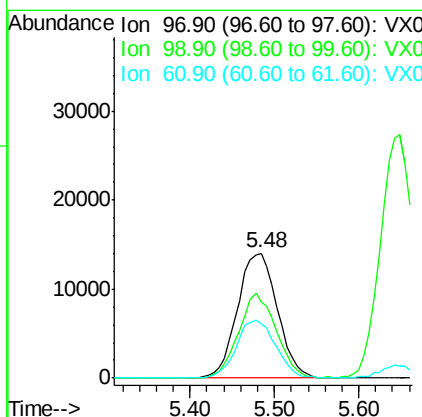
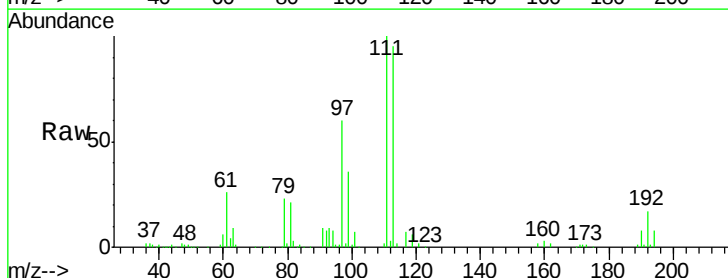
Manual Integrations
APPROVED

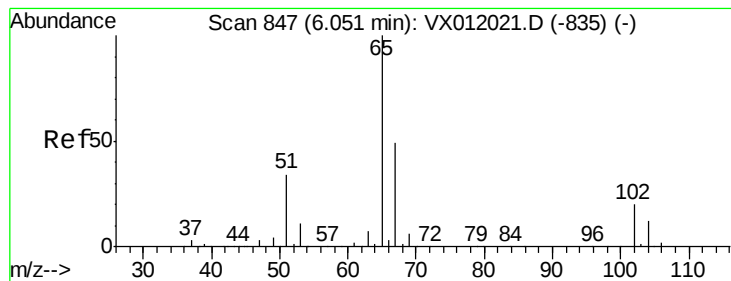
MMDadoda
9/6/2019 12:31:35 PM



#32
1,1,1-Trichloroethane
Concen: 20.821 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.1	78.1
61	46.2	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 58.386 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampled :

VX0905SBS01

Tot Ion: 65 Resp: 88405

Ion Ratio Lower Upper

65 100

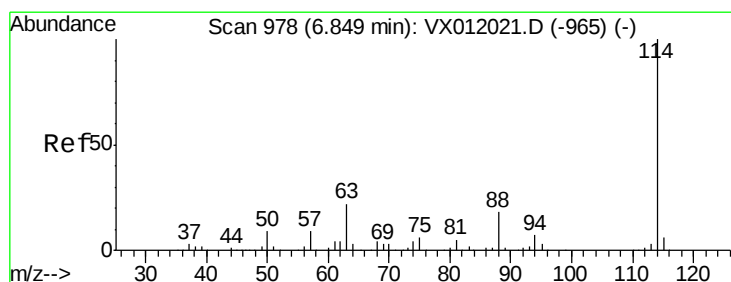
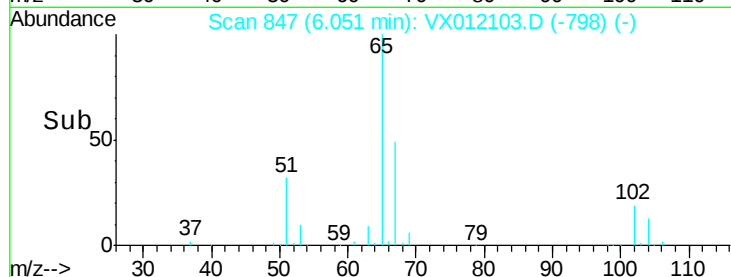
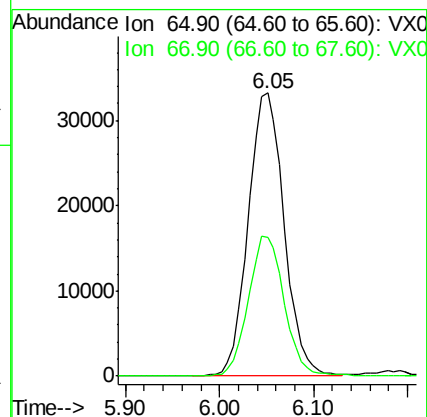
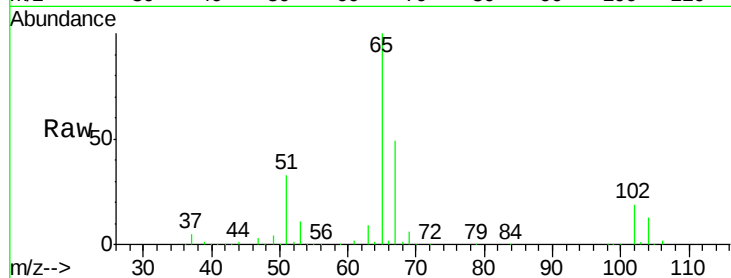
67 49.6 0.0 102.0

Manual Integrations

APPROVED

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9/6/2019 12:31:35 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

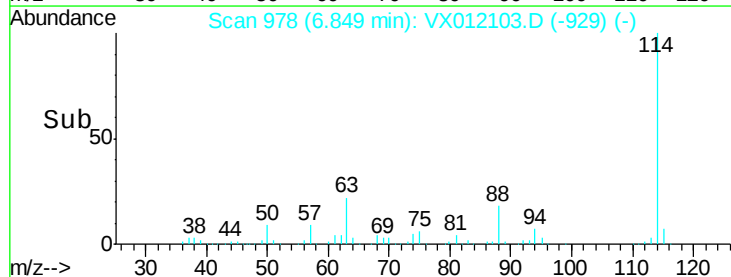
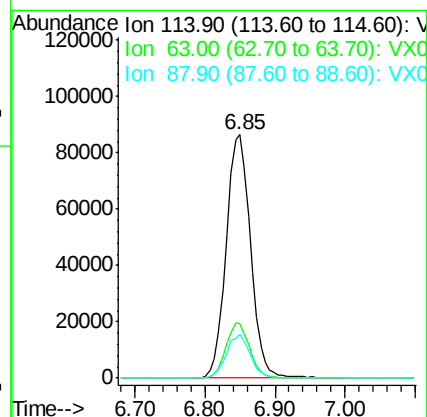
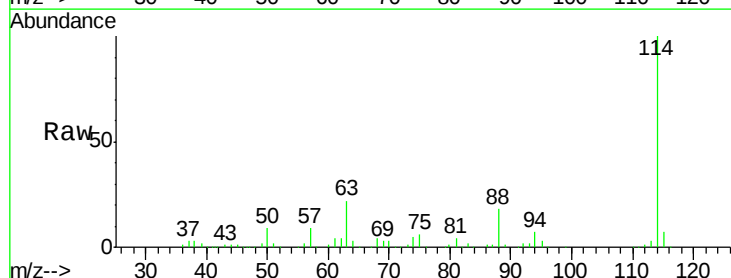
Tgt Ion: 114 Resp: 209804

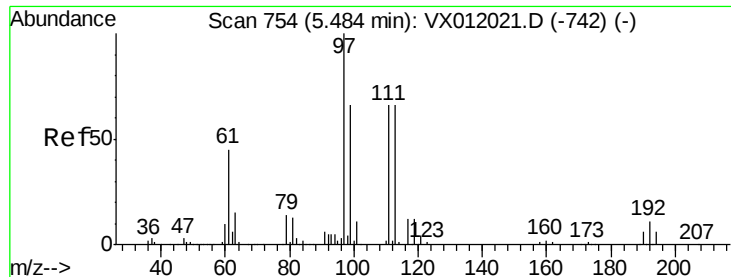
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.4

88 17.8 0.0 29.6





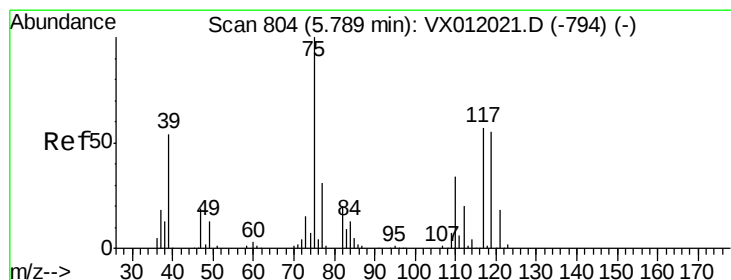
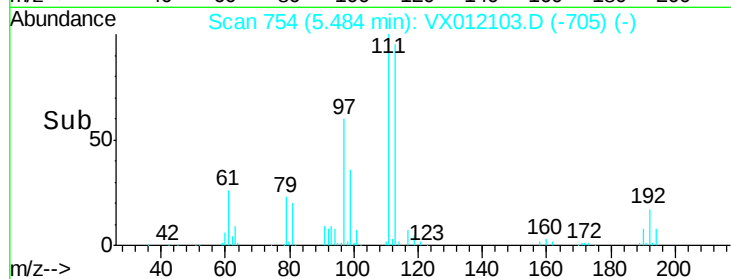
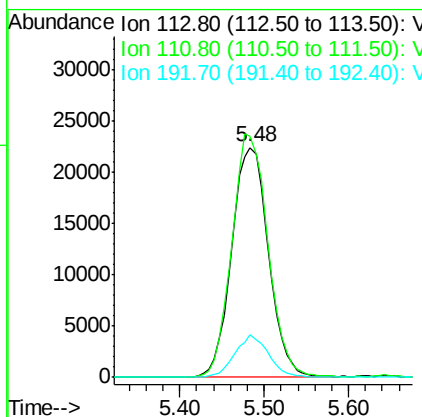
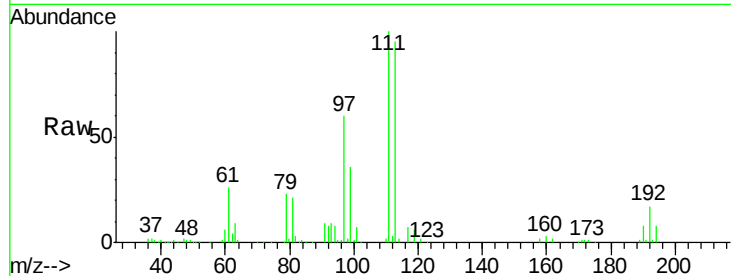
#35
 Dibromofluoromethane
 Concen: 51.478 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.7	122.5
192	17.0	22.5	33.7#

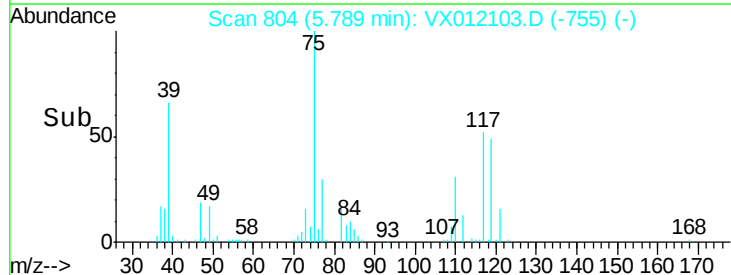
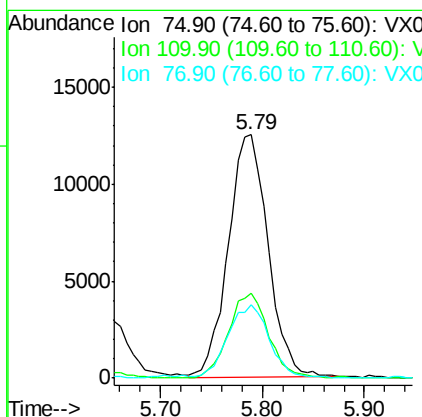
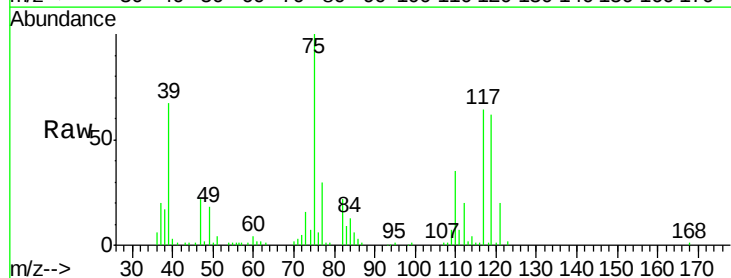
Manual Integrations
 APPROVED

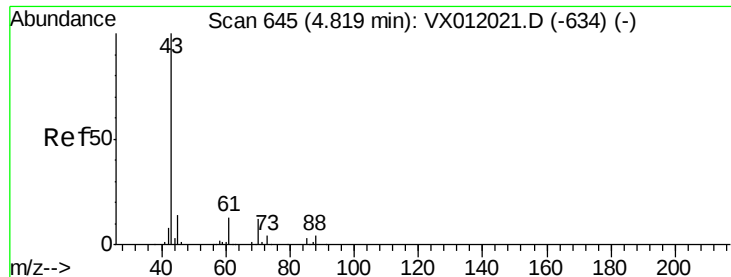
MMDadoda
 9/6/2019 12:31:35 PM



#36
 1,1-Dichloropropene
 Concen: 18.378 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	19.5	58.5
77	31.7	24.6	37.0





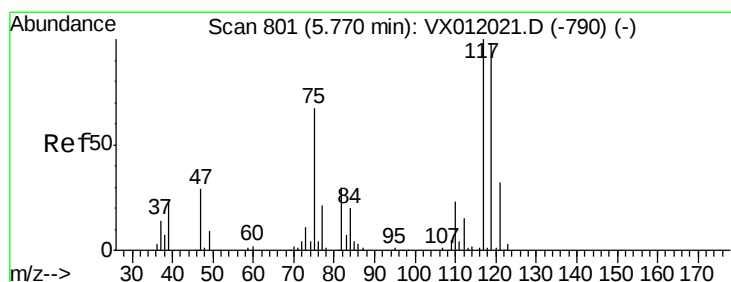
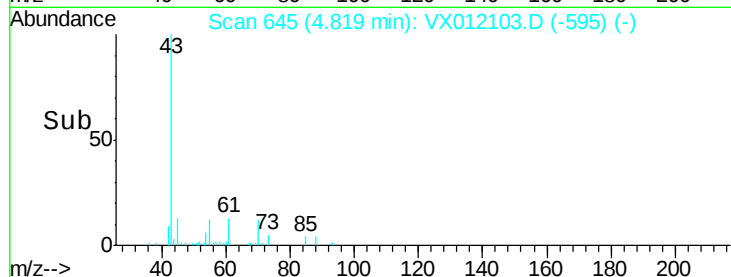
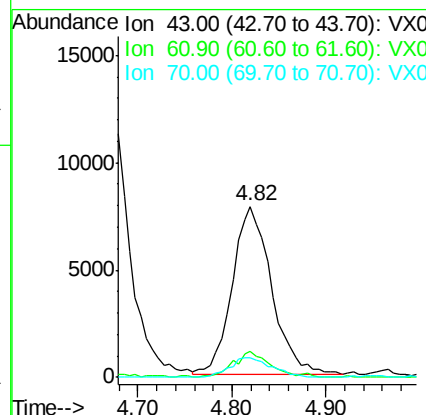
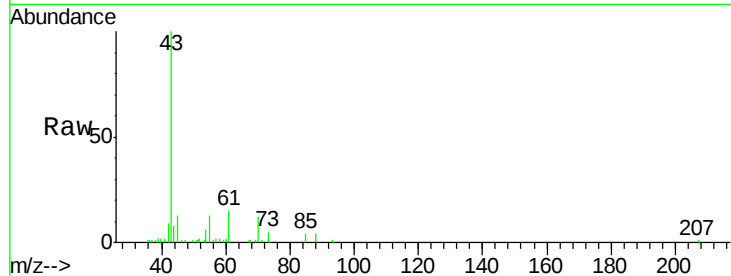
#37
Ethyl Acetate
Concen: 22.539 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.9	16.3
70	12.4	9.4	14.0

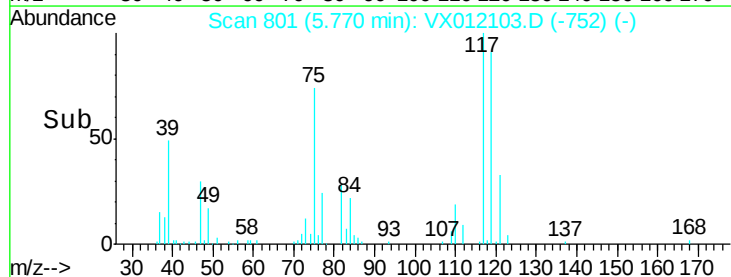
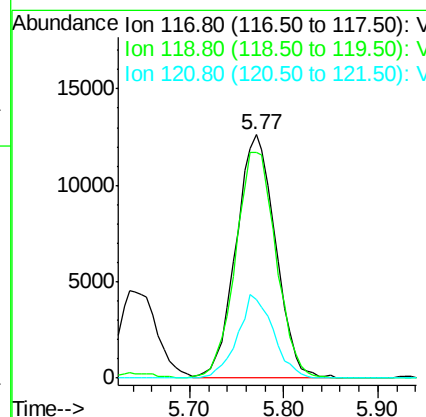
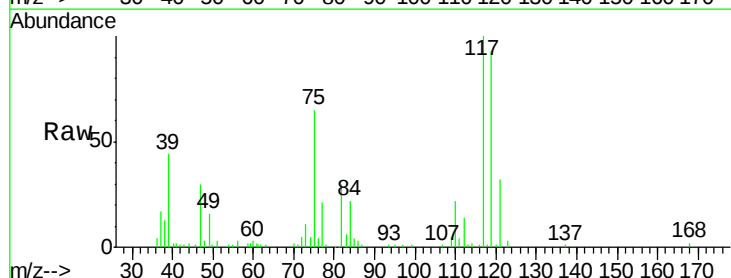
Manual Integrations
APPROVED

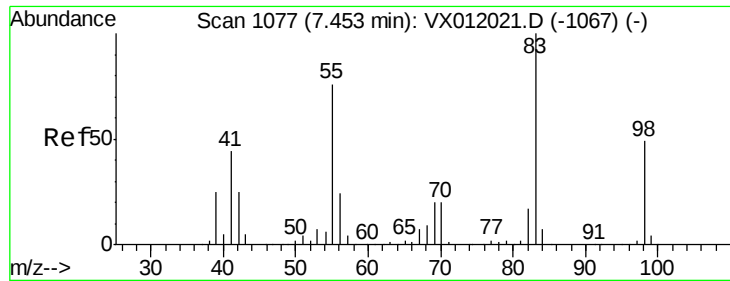
MMDadoda
9/6/2019 12:31:35 PM



#38
Carbon Tetrachloride
Concen: 18.972 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	78.3	117.5
121	32.5	24.2	36.2





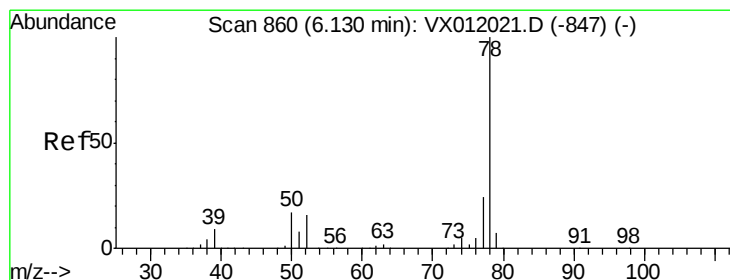
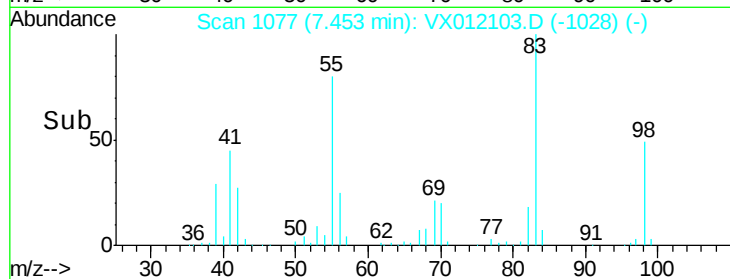
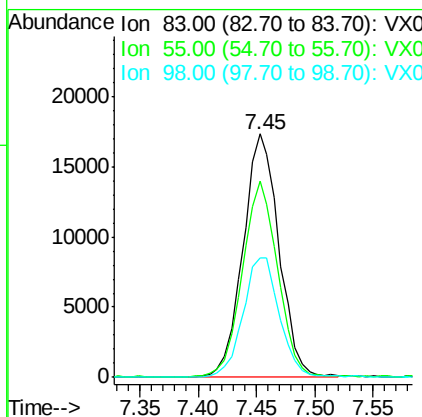
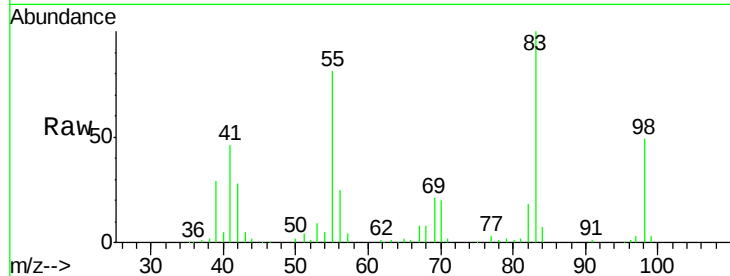
#39
Methvlcvclohexane
Concen: 17.444 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	83	Resp	37412
Ion Ratio	100	Lower	Upper
83	100		
55	80.5	59.6	89.4
98	49.1	41.4	62.0

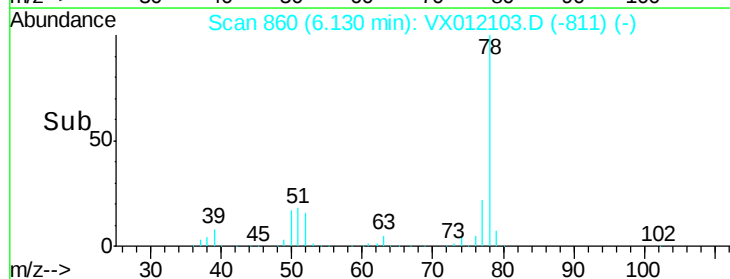
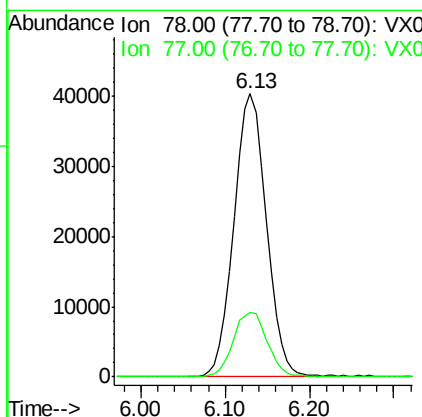
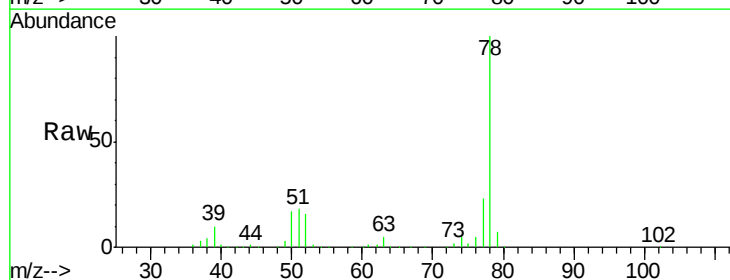
Manual Integrations
APPROVED

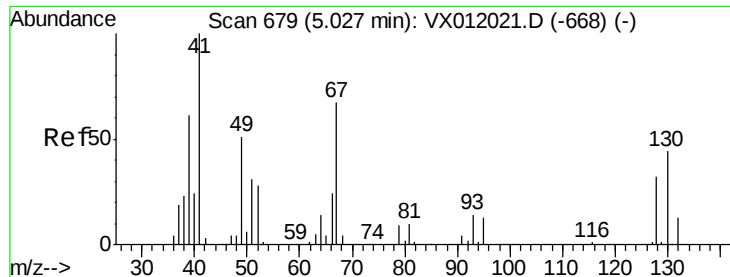
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9/6/2019 12:31:35 PM



#40
Benzene
Concen: 19.845 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	78	Resp	105273
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	19.3	28.9





#41

Methacrylonitrile

Concen: 22.866 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBSD01

Tot Ion: 41 Resp: 13702

Ion Ratio Lower Upper

41 100

39 64.6 46.7 70.1

67 72.4 57.0 85.6

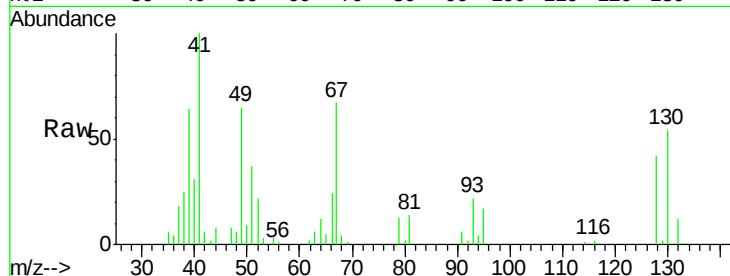
52 31.7 23.5 35.3

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:35 PM

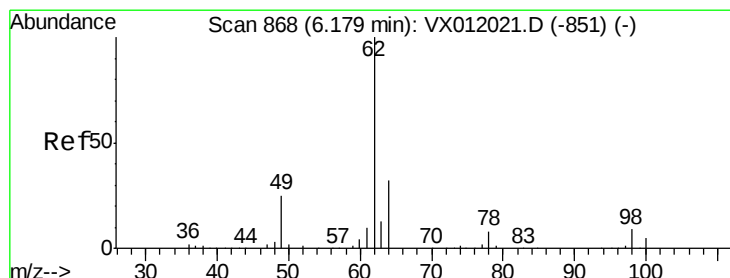
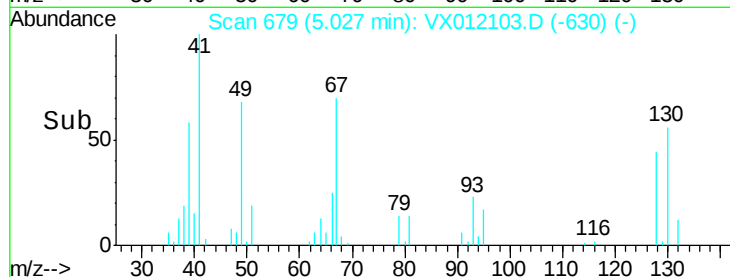
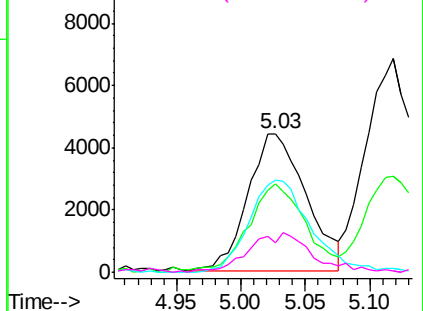


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 22.276 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012103.D

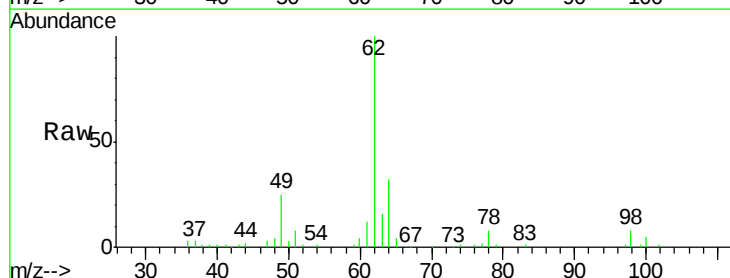
Acq: 05 Sep 2019 16:14

Tgt Ion: 62 Resp: 42526

Ion Ratio Lower Upper

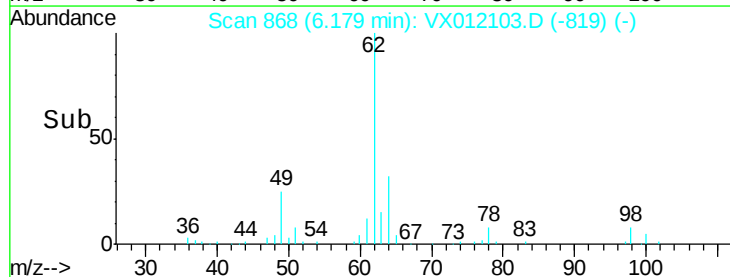
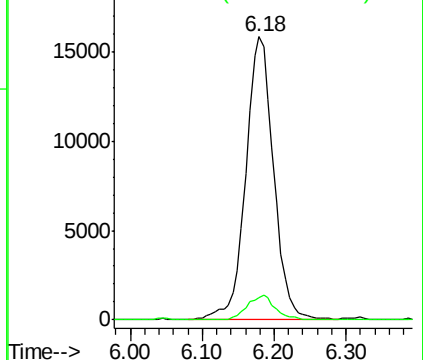
62 100

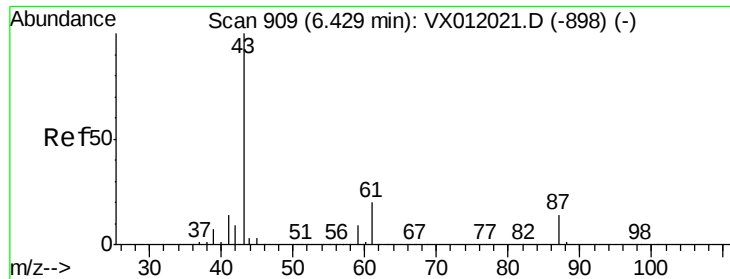
98 8.7 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

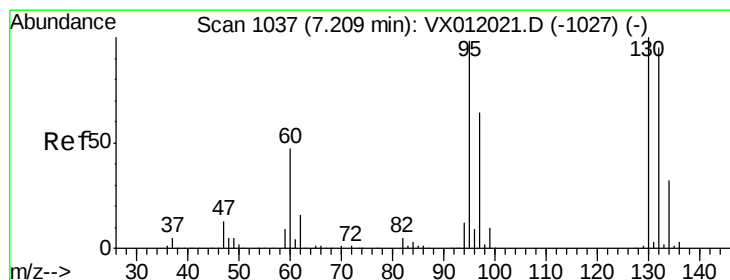
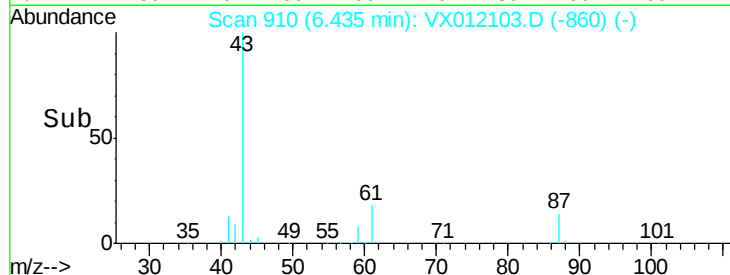
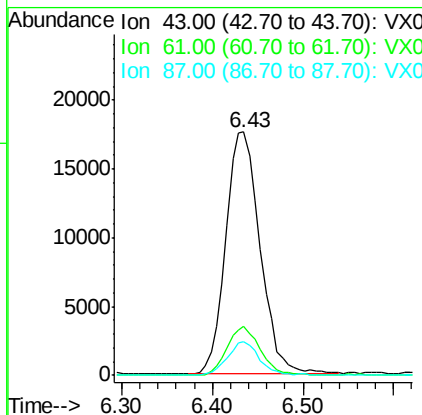
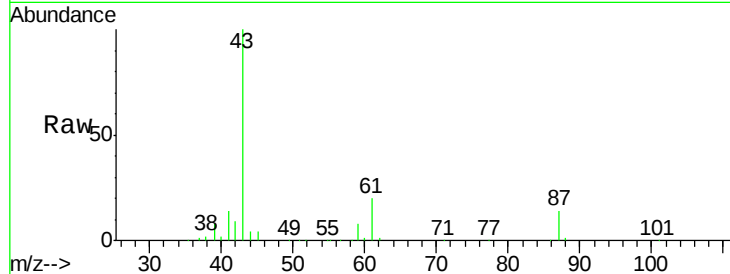
Isopropyl Acetate
 Concen: 22.616 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.1	24.1
87	13.0	11.3	16.9

Manual Integrations
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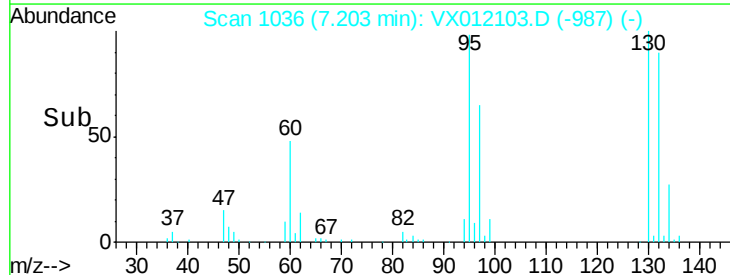
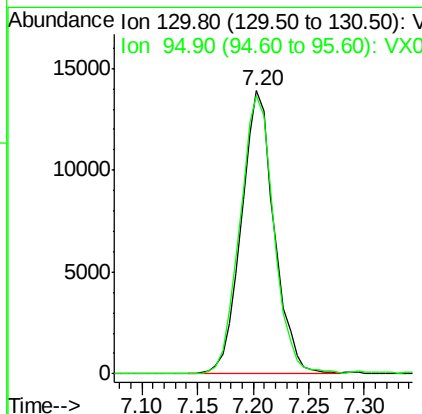
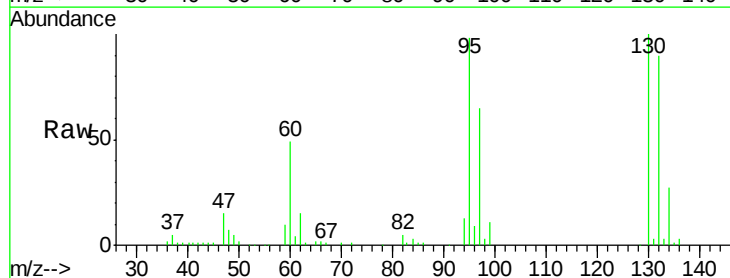
MMDadoda
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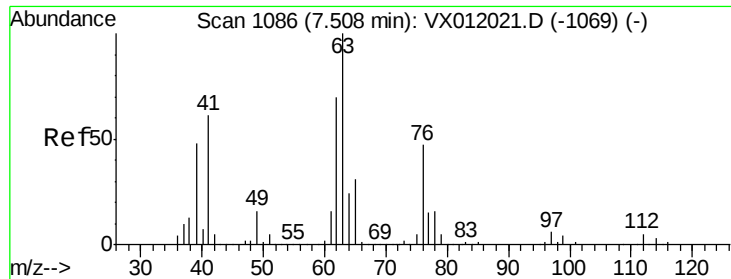


#44

Trichloroethene
 Concen: 19.948 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	176.4





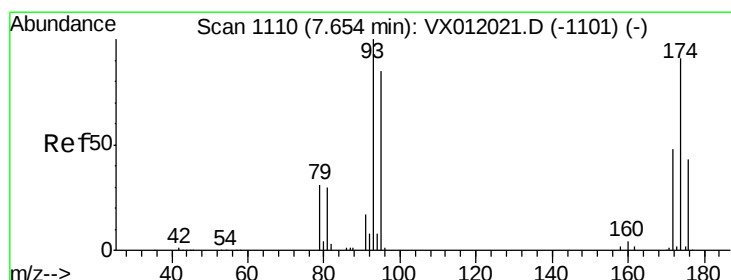
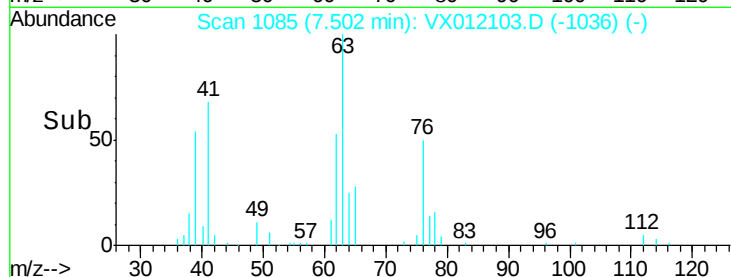
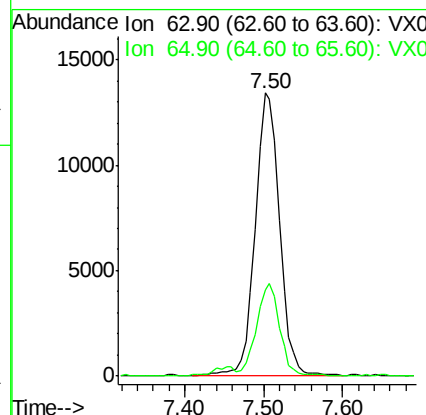
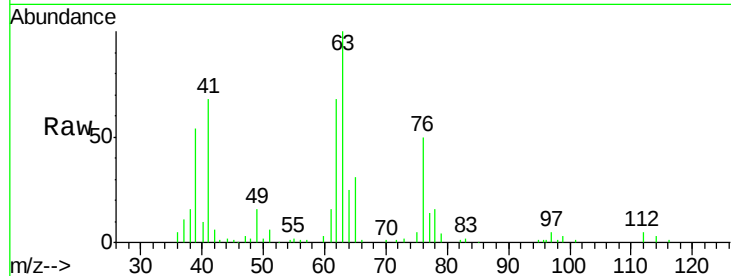
#45
 1,2-Dichloropropane
 Concen: 21.115 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion: 63 Resp: 28940
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

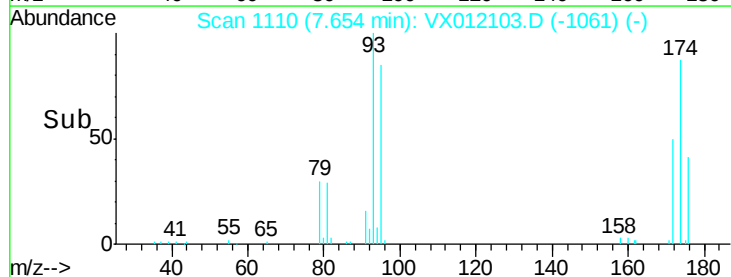
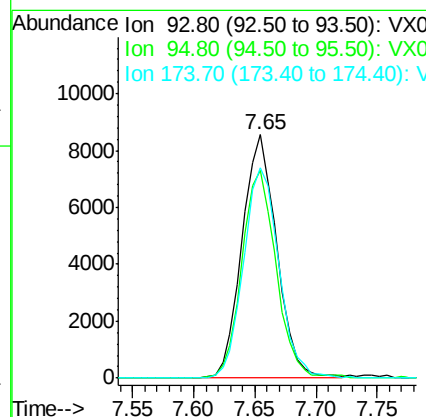
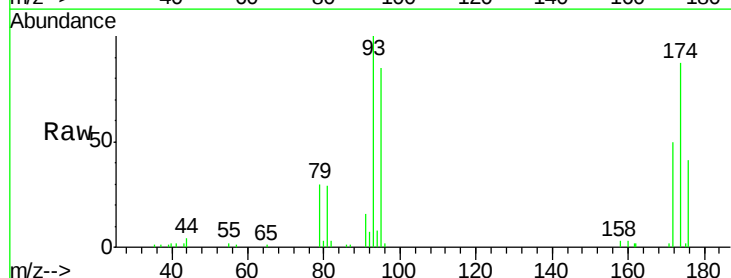
Manual Integrations
 APPROVED

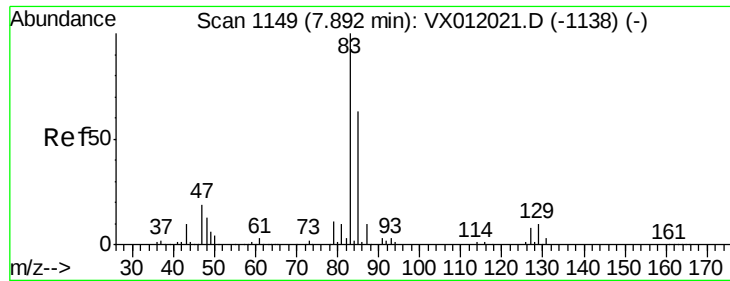
MMDadoda
 9/6/2019 12:31:35 PM



#46
 Dibromomethane
 Concen: 21.080 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Tgt Ion: 93 Resp: 16866
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.2 99.2
 174 88.3 110.2 165.4#





#47

Bromodichloromethane

Concen: 20.586 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

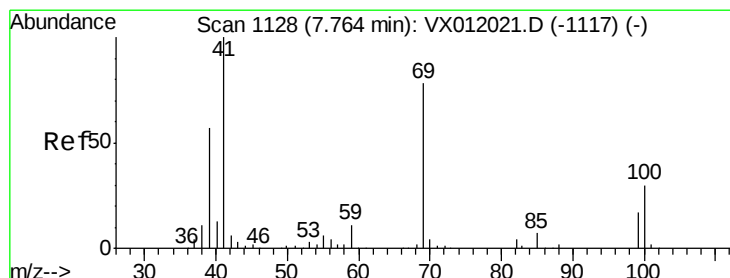
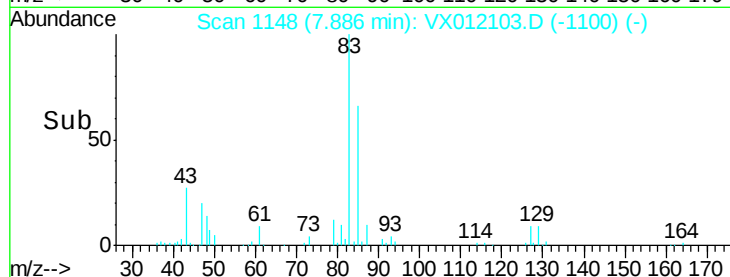
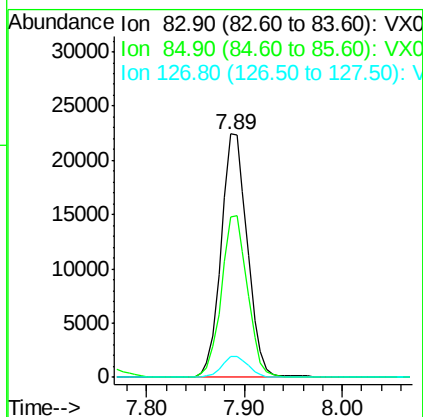
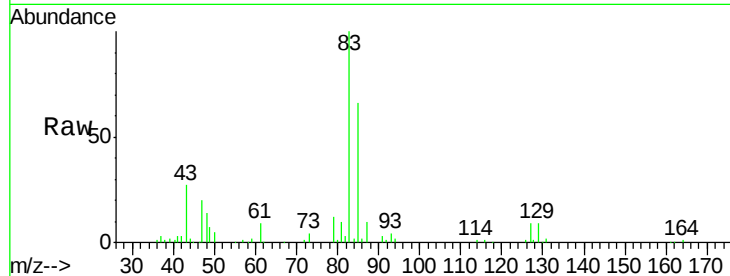
ClientSampleId :

VX0905SBSD01

Tot Ion:	83	Resp:	41866
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.3	75.5
127	8.7	8.1	12.1

Manual Integrations
APPROVED

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9/6/2019 12:31:35 PM



#48

Methyl methacrylate

Concen: 22.292 ug/l

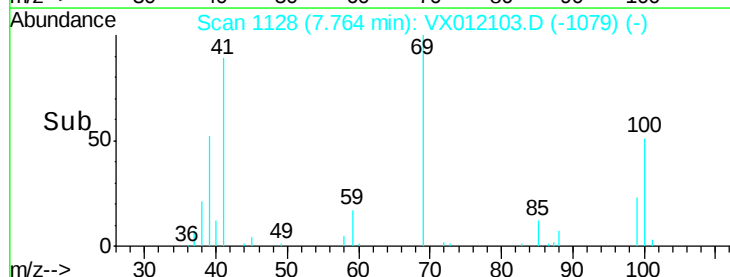
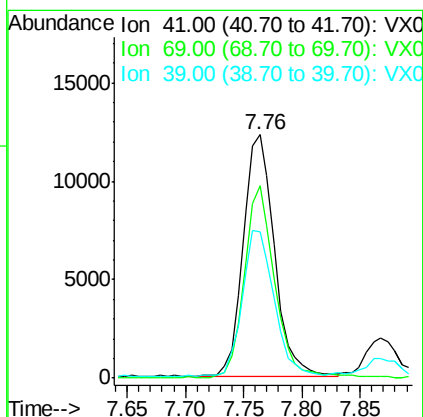
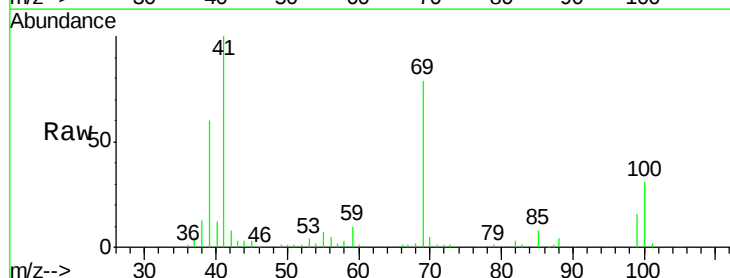
RT: 7.76 min Scan# 1128

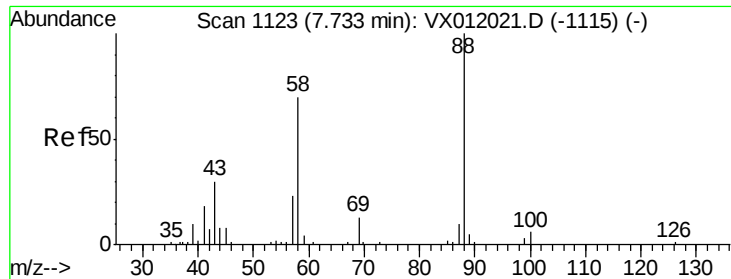
Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Tgt Ion:	41	Resp:	22901
Ion	Ratio	Lower	Upper
41	100		
69	78.5	66.3	99.5
39	61.1	48.1	72.1





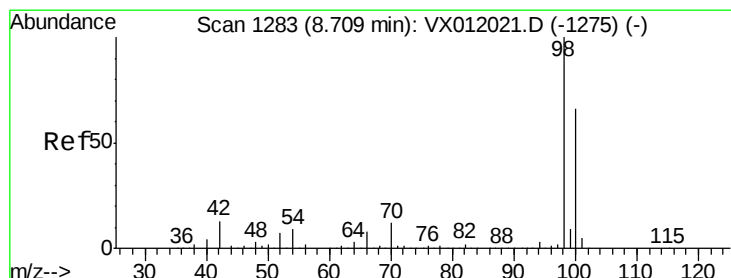
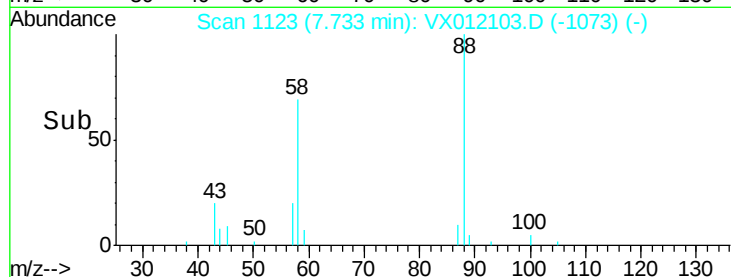
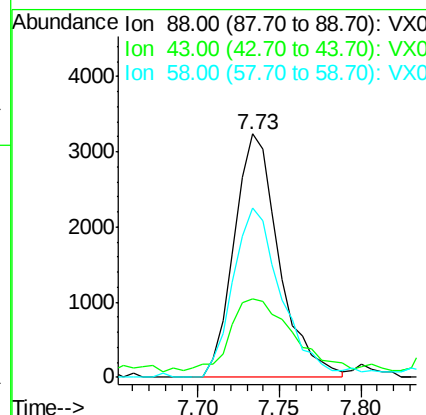
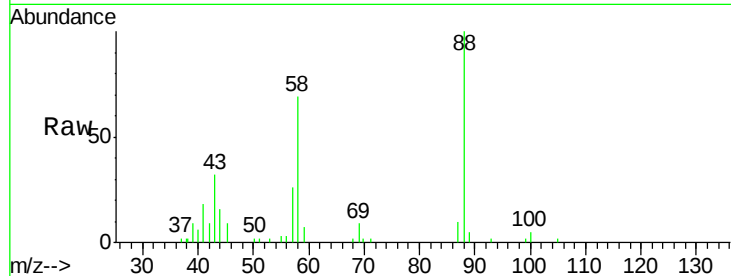
#49
1,4-Dioxane
Concen: 445.209 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	29.8	44.6
58	74.2	55.4	83.2

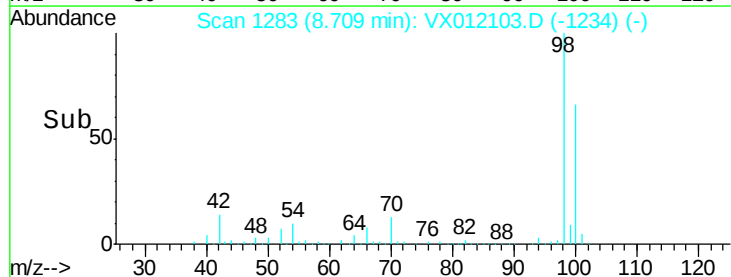
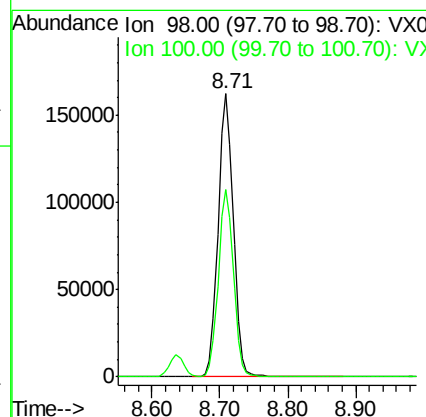
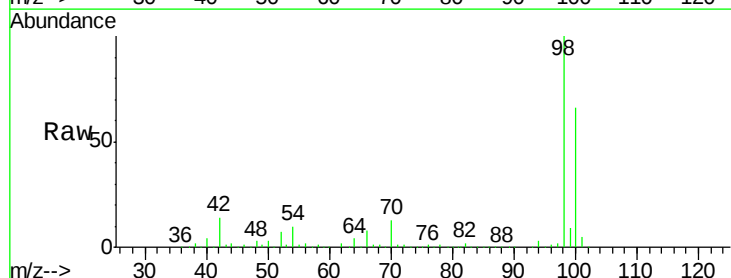
Manual Integrations
APPROVED

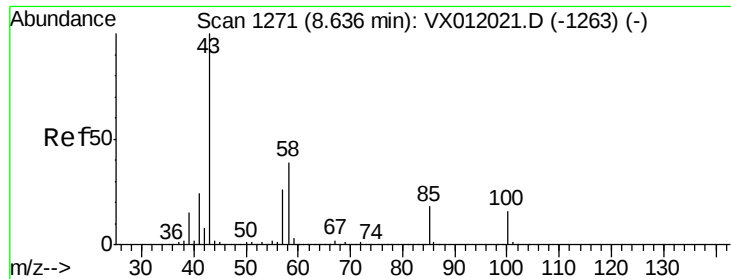
MMDadoda
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#50
Toluene-d8
Concen: 53.366 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 117.328 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 43 Resp: 121932

Ion Ratio Lower Upper

43 100

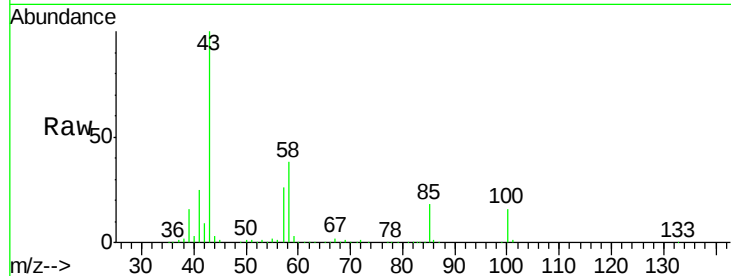
58 38.0 31.5 47.3

Manual Integrations

APPROVED

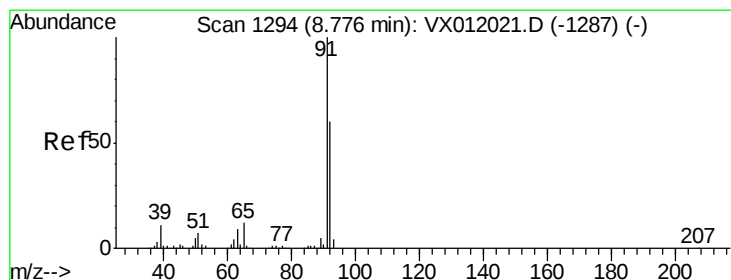
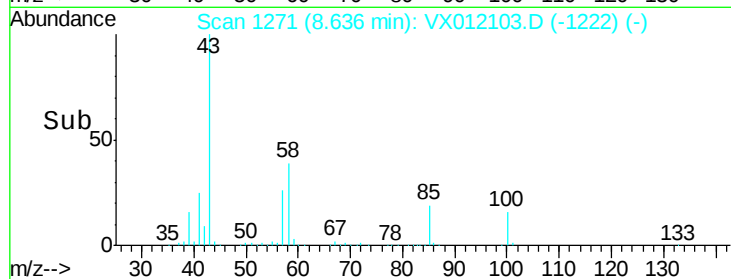
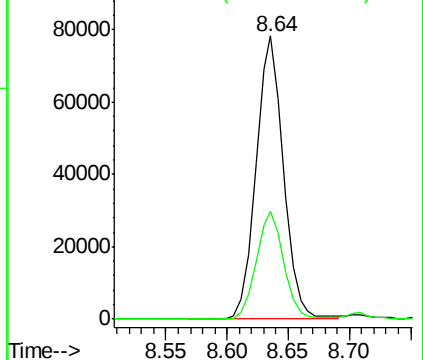
MMDadoda

9/6/2019 12:31:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.064 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012103.D

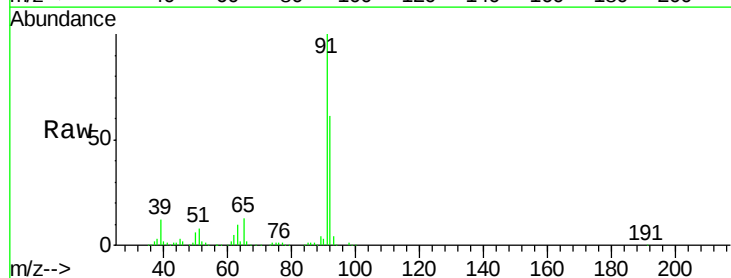
Acq: 05 Sep 2019 16:14

Tgt Ion: 92 Resp: 69251

Ion Ratio Lower Upper

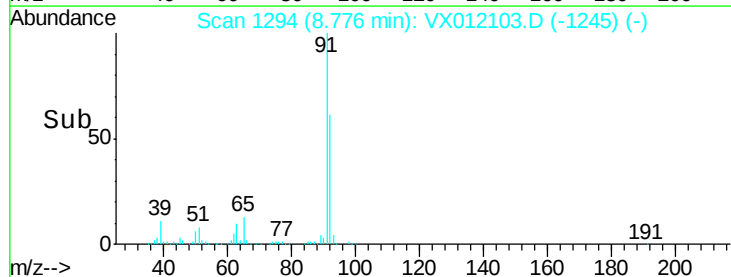
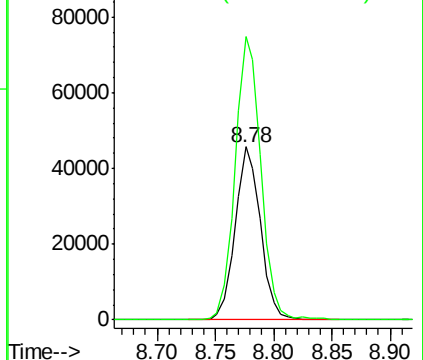
92 100

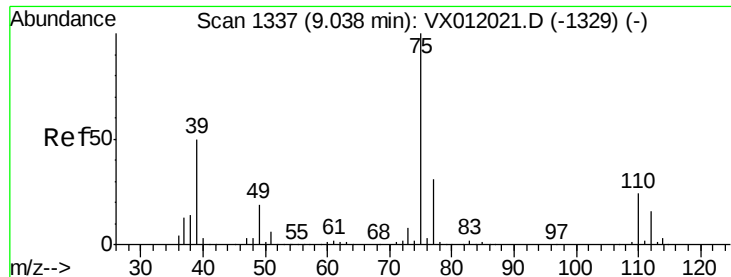
91 166.9 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





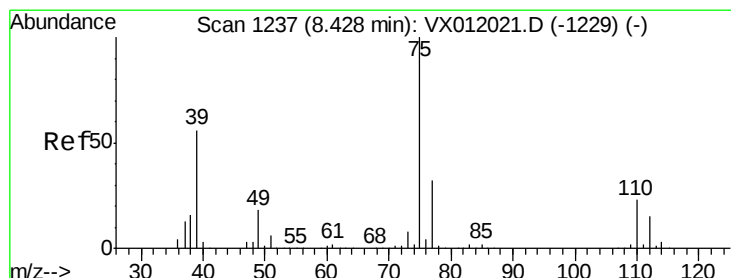
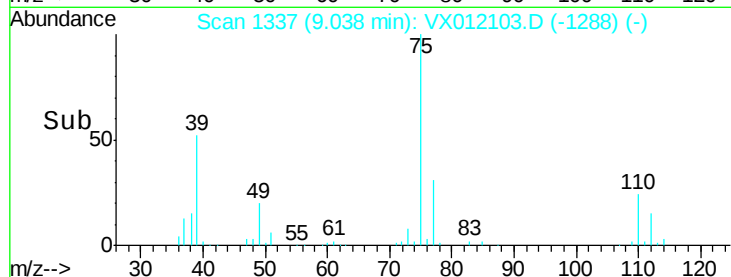
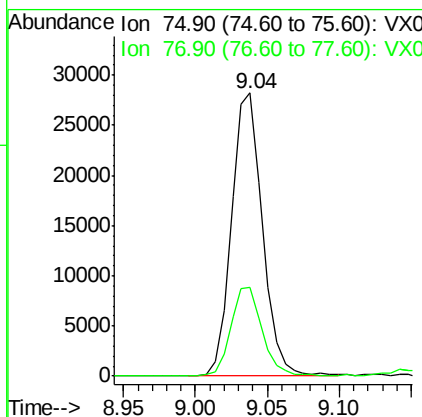
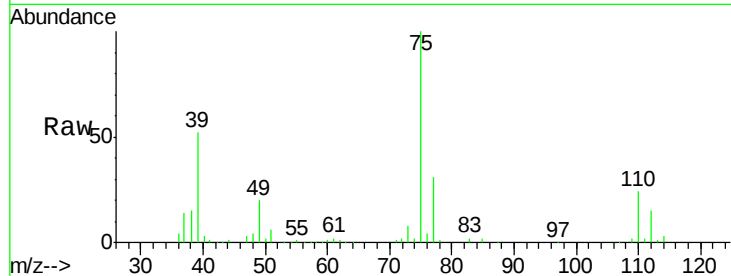
#53
t-1,3-Dichloropropene
Concen: 20.116 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD01

Tot Ion: 75 Resp: 42355
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7

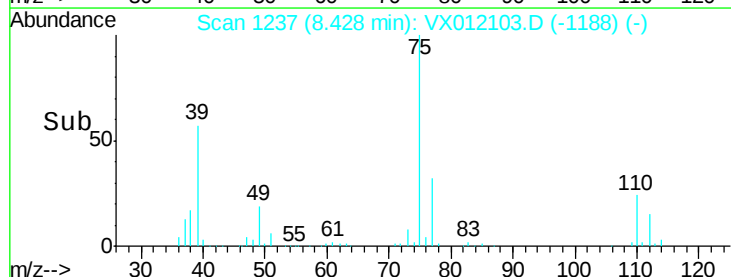
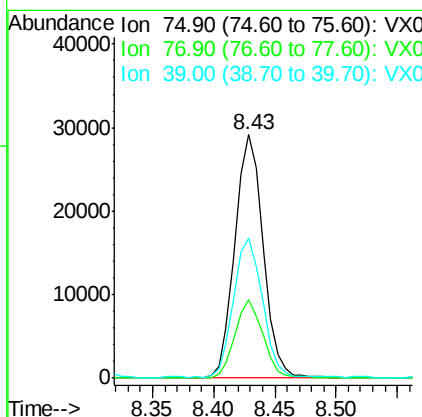
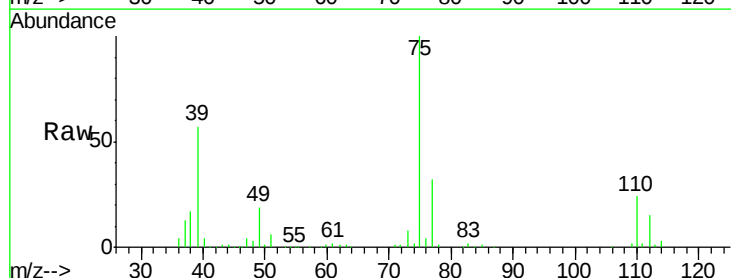
Manual Integrations
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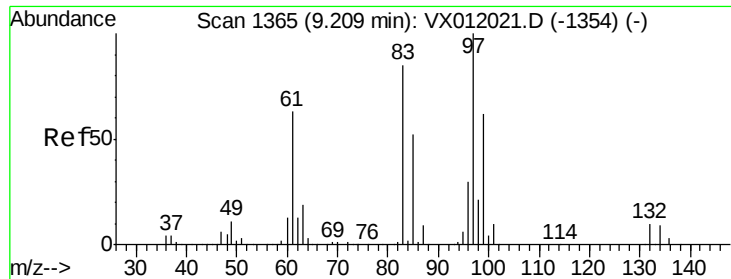
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.930 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion: 75 Resp: 46663
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3
39 56.9 43.0 64.4





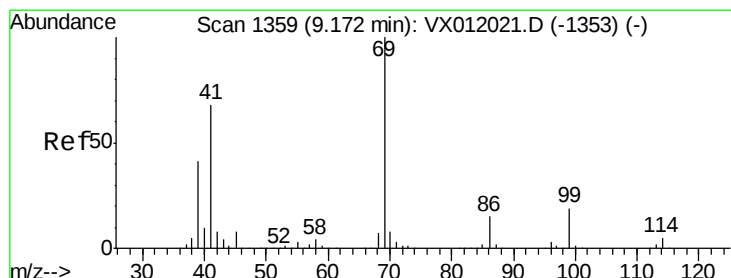
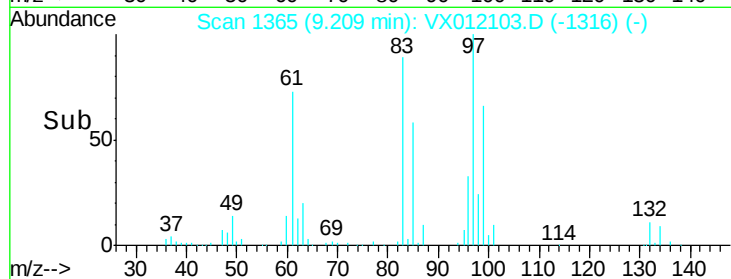
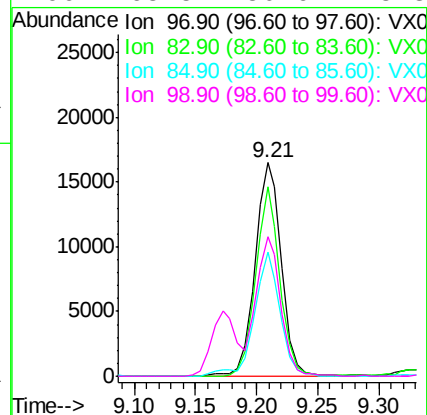
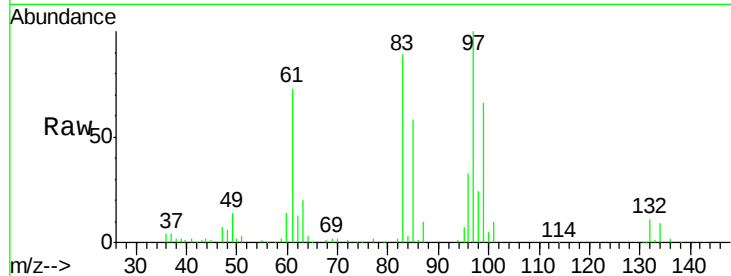
#55
 1,1,2-Trichloroethane
 Concen: 21.542 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0905SBS01

Tot Ion:	97	Resp:	24641
Ion	Ratio	Lower	Upper
97	100		
83	88.8	66.0	99.0
85	57.9	41.0	61.6
99	65.5	50.6	75.8

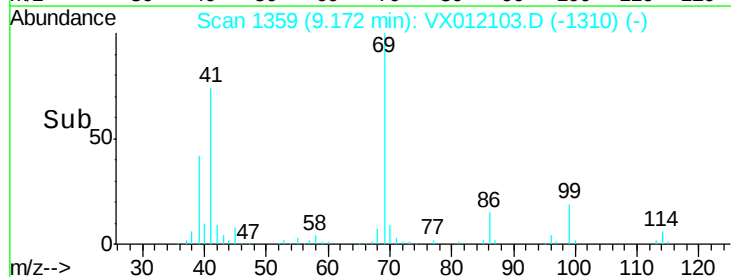
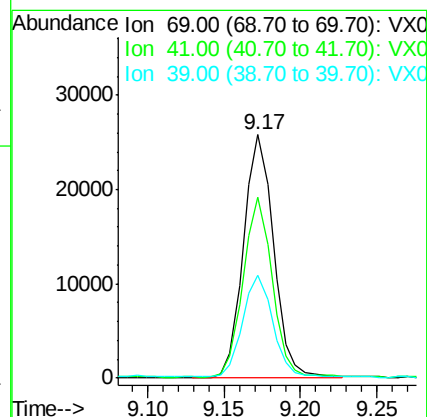
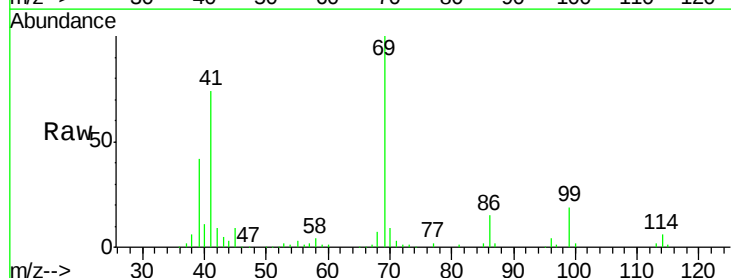
Manual Integrations
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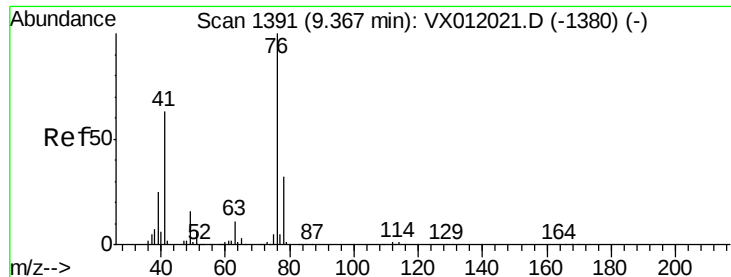
MMDadoda
 9/6/2019 12:31:35 PM



#56
 Ethyl methacrylate
 Concen: 21.652 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Tgt Ion:	69	Resp:	35475
Ion	Ratio	Lower	Upper
69	100		
41	72.0	53.9	80.9
39	41.7	31.1	46.7





#57

1,3-Dichloropropane

Concen: 21.687 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 76 Resp: 42807

Ion Ratio Lower Upper

76 100

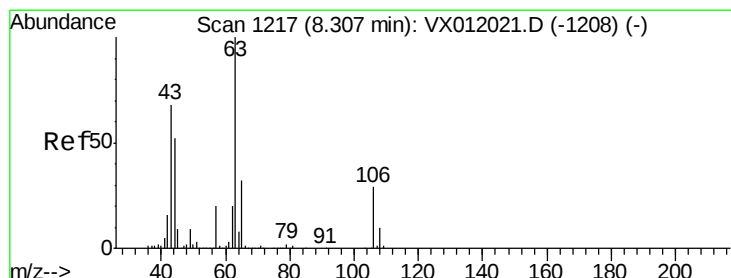
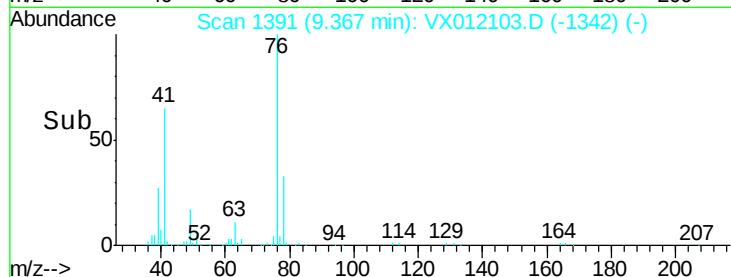
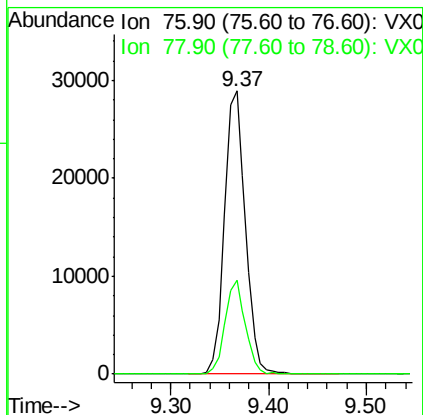
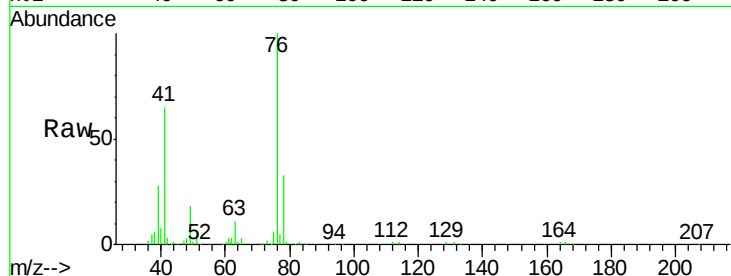
78 32.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:35 PM



#58

2-Chloroethyl Vinyl ether

Concen: 114.534 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012103.D

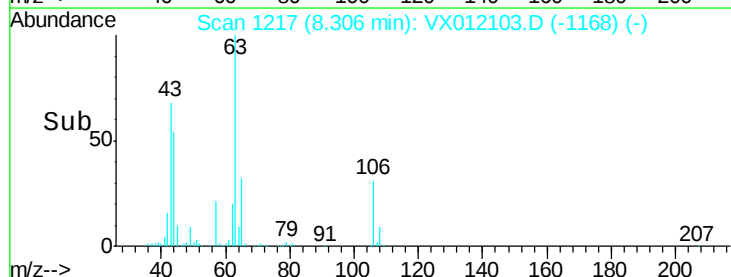
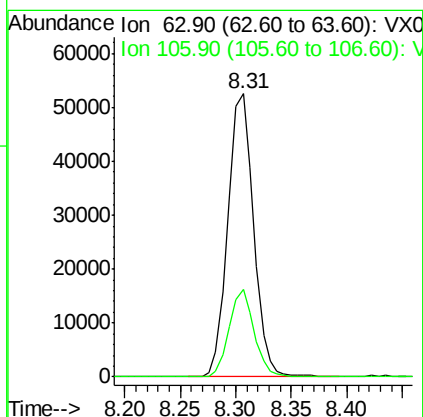
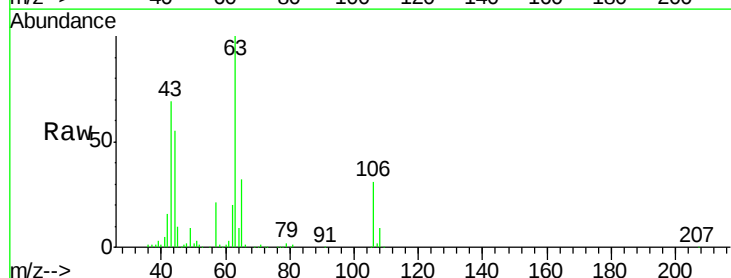
Acq: 05 Sep 2019 16:14

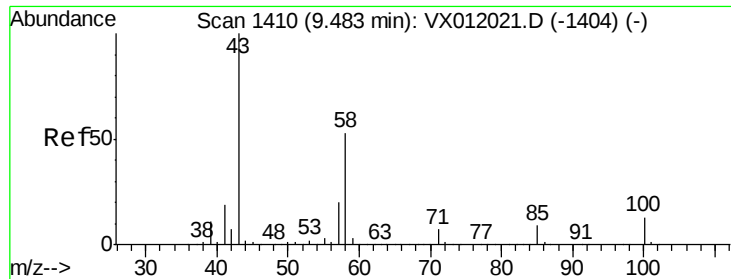
Tgt Ion: 63 Resp: 84603

Ion Ratio Lower Upper

63 100

106 29.7 26.5 39.7





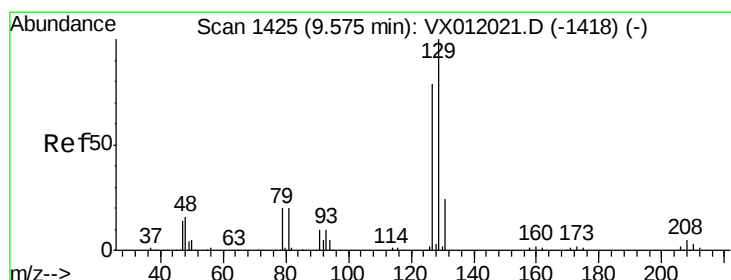
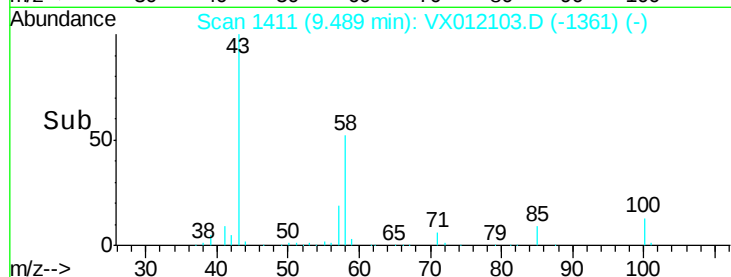
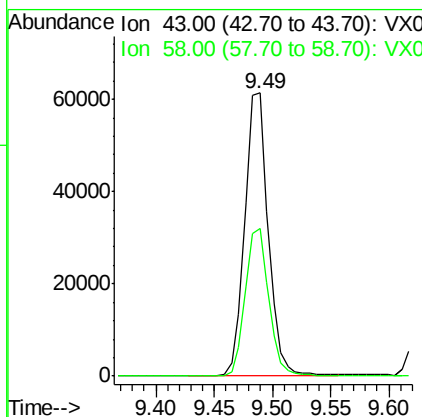
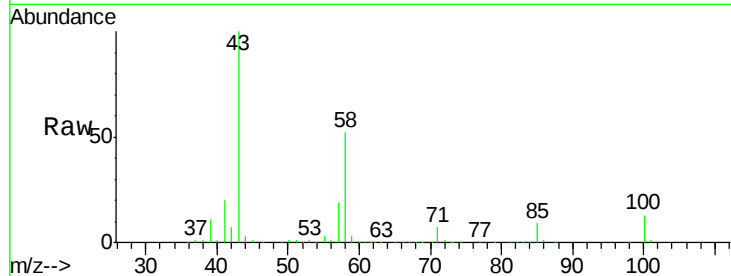
#59
2-Hexanone
Concen: 114.530 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion: 43 Resp: 86849
Ion Ratio Lower Upper
43 100
58 52.8 27.2 81.6

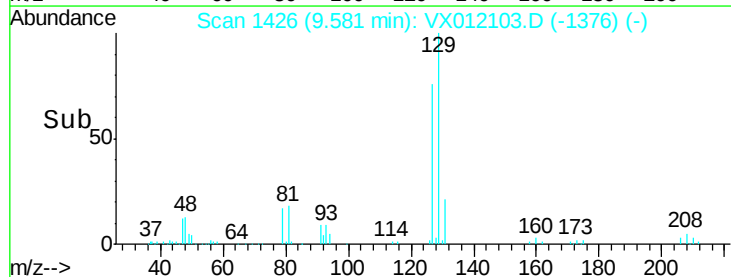
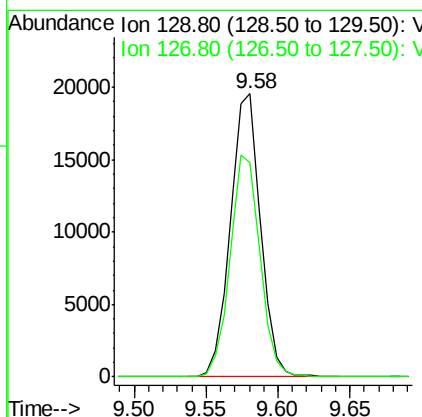
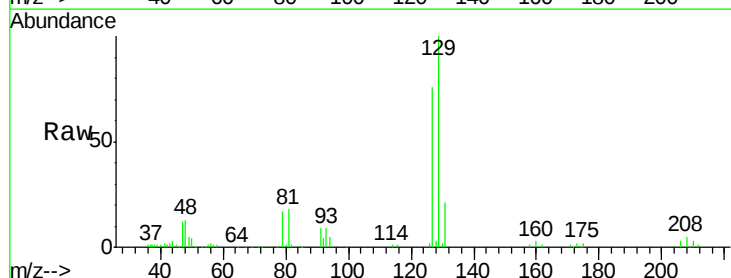
Manual Integrations
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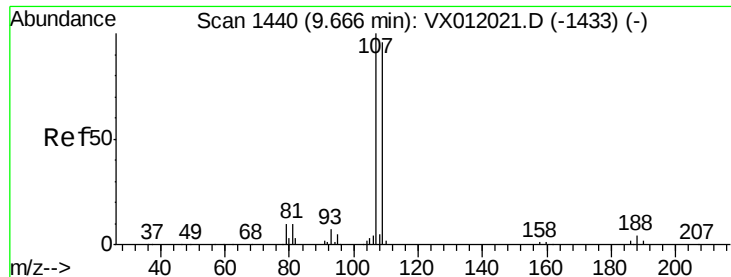
MMDadoda
9/6/2019 12:31:35 PM



#60
Dibromochloromethane
Concen: 21.040 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion: 129 Resp: 28683
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.192 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion:107 Resp: 23423

Ion Ratio Lower Upper

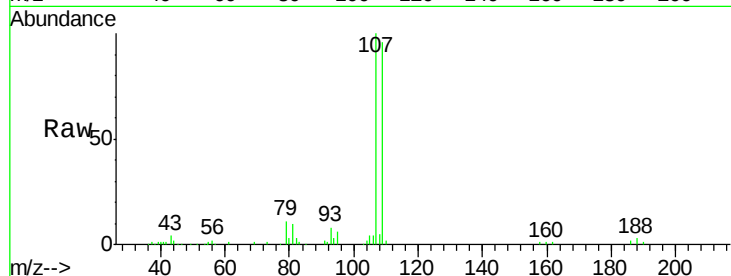
107 100

109 97.4 76.9 115.3

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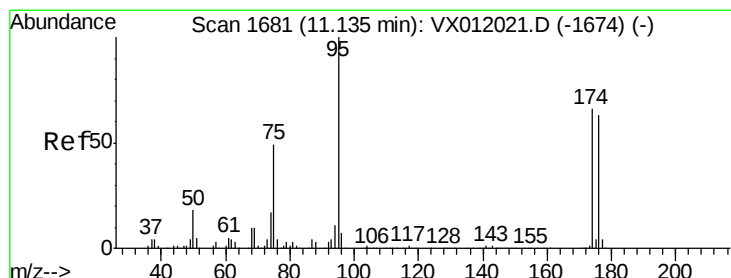
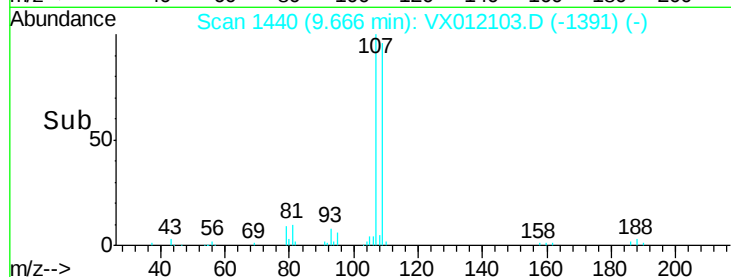
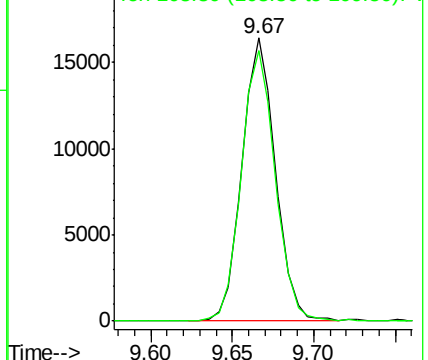
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.444 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

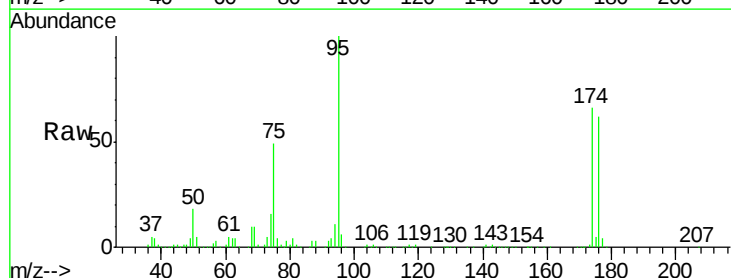
Tgt Ion: 95 Resp: 113272

Ion Ratio Lower Upper

95 100

174 64.2 0.0 205.4

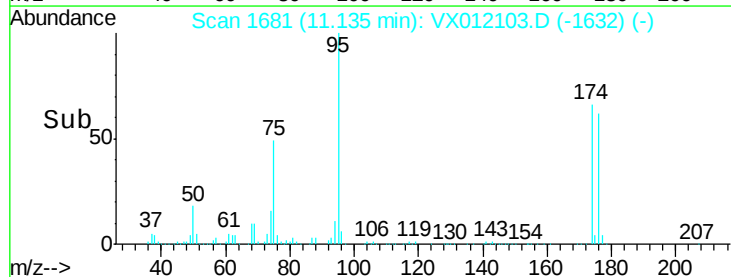
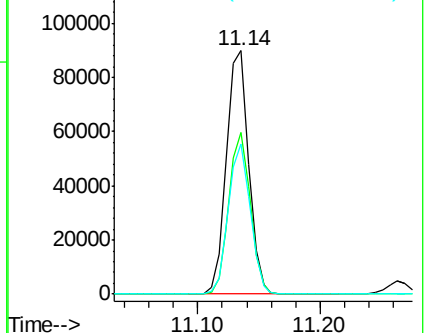
176 60.6 0.0 201.8

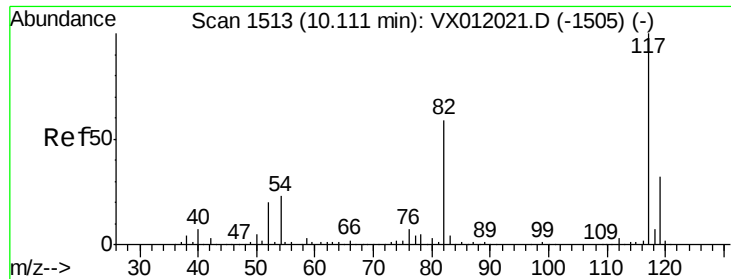


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





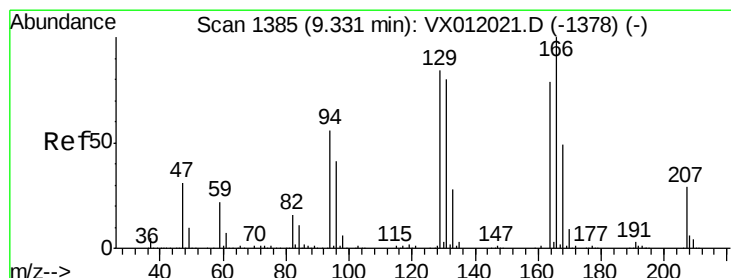
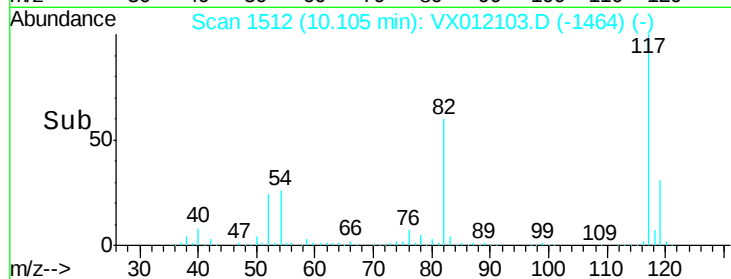
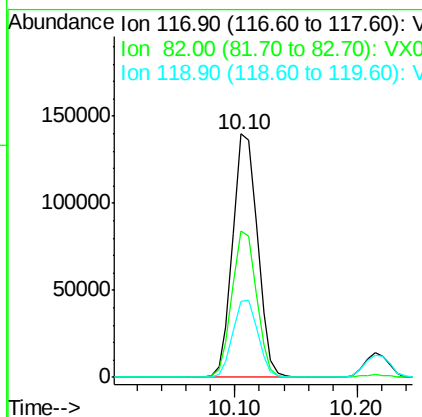
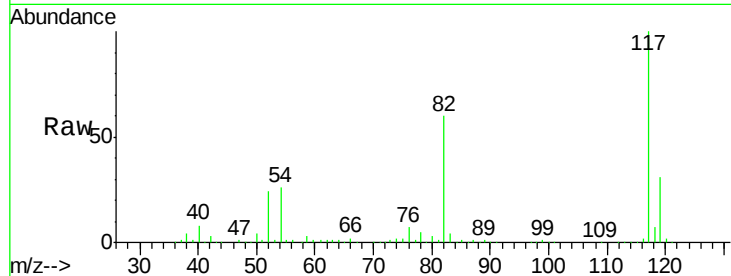
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampled :
VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	196134		
82	59.9	39.4	59.0#	
119	31.0	26.1	39.1	

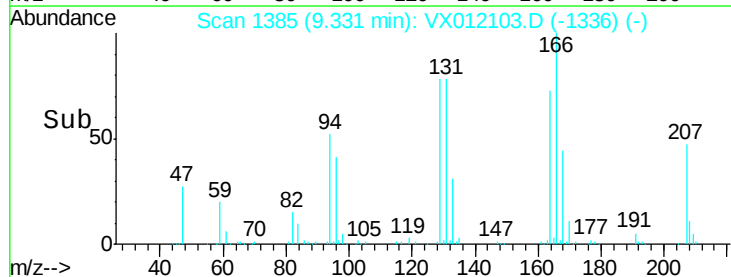
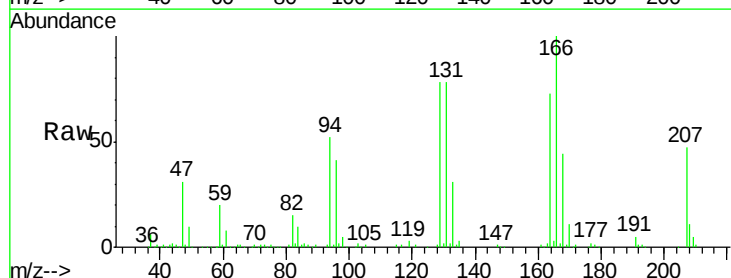
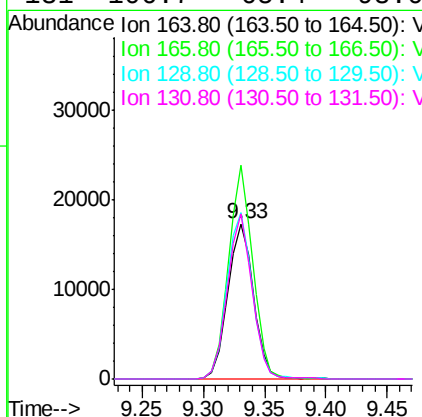
Manual Integrations
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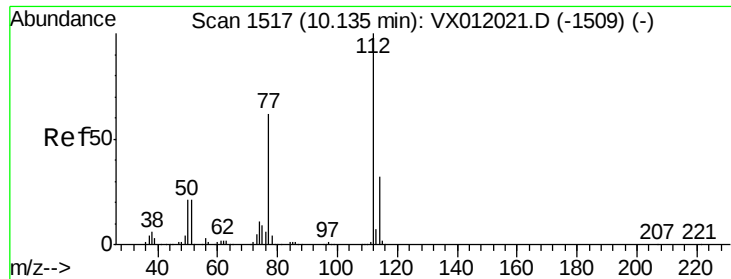
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#64
Tetrachloroethene
Concen: 20.550 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25128		
166	137.5	104.3	156.5	
129	107.5	68.3	102.5#	
131	106.7	65.4	98.0#	





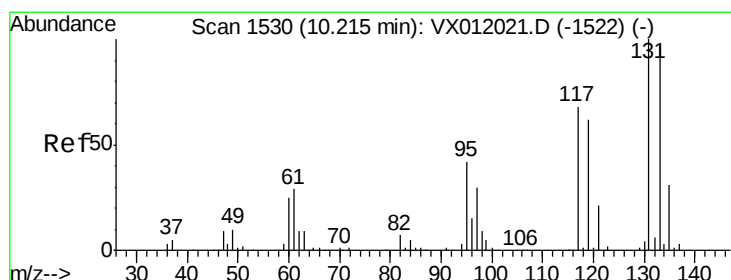
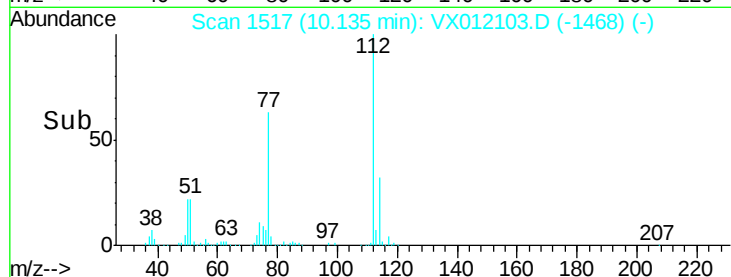
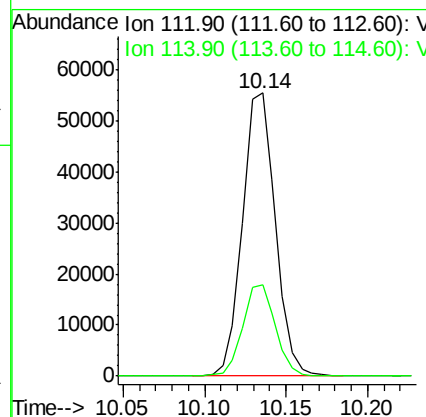
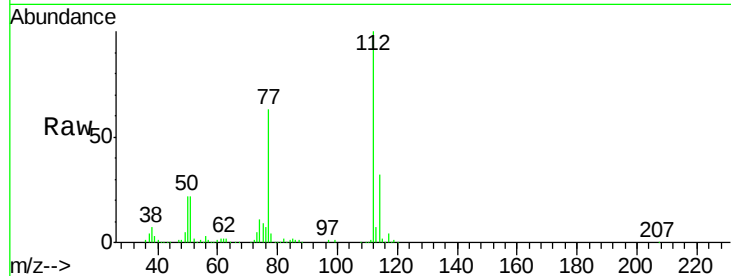
#65
Chlorobenzene
Concen: 20.122 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD01

Tot Ion:112 Resp: 77868
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2

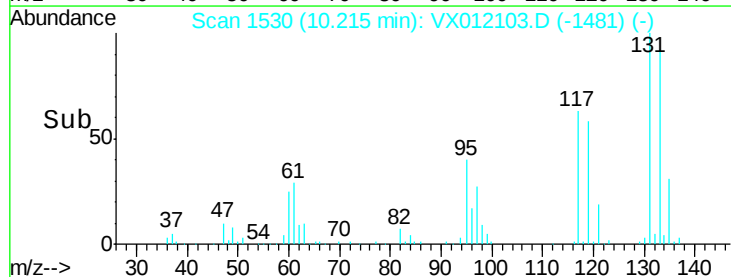
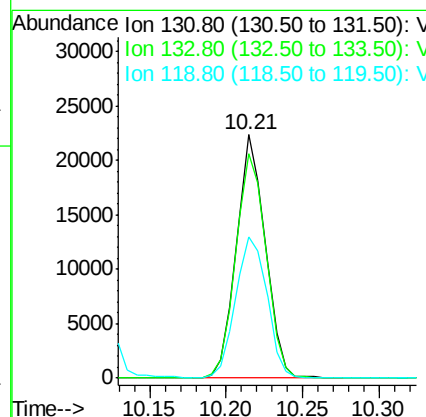
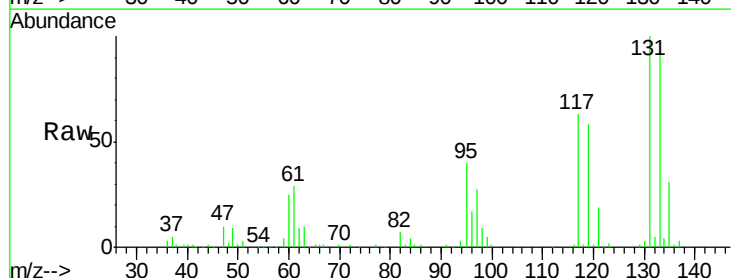
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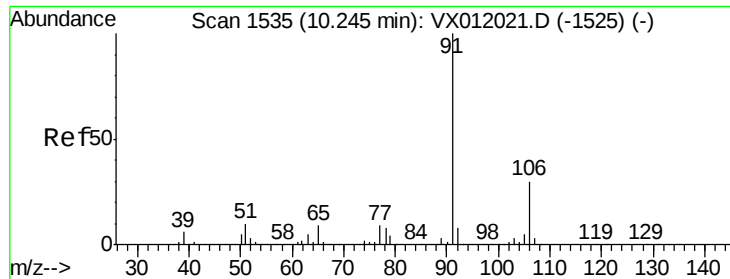
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.705 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion:131 Resp: 29297
Ion Ratio Lower Upper
131 100
133 96.4 48.4 145.0
119 63.7 30.5 91.5





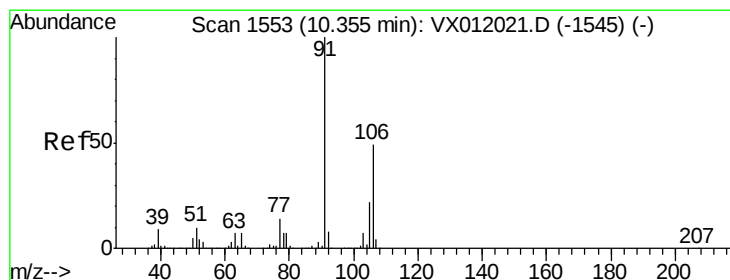
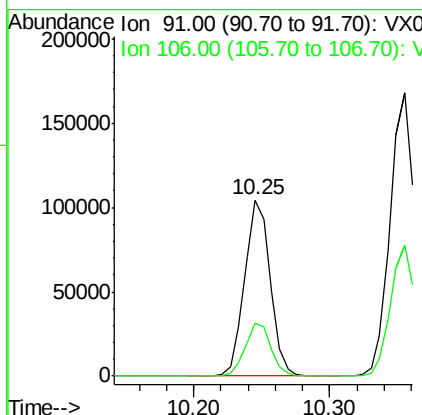
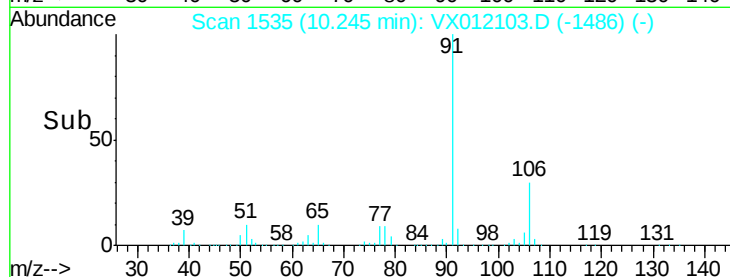
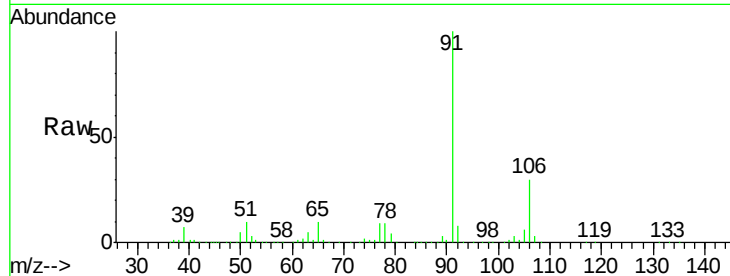
#67
Ethyl Benzene
Concen: 19.523 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampled :
VX0905SBS01

Tot Ion: 91 Resp: 137717
Ion Ratio Lower Upper
91 100
106 30.4 25.8 38.8

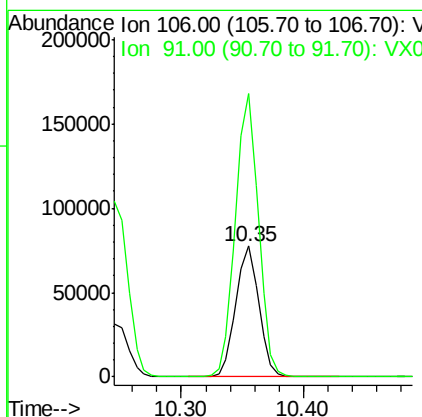
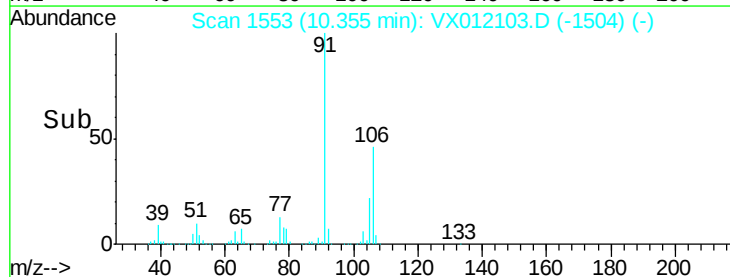
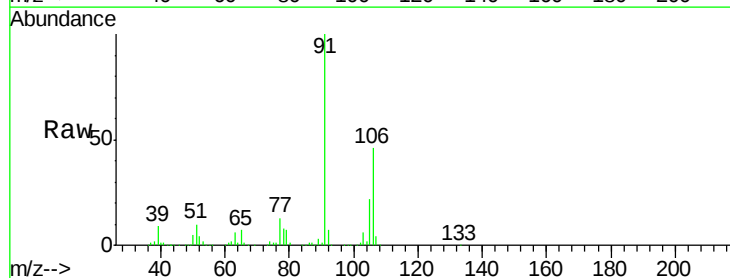
Manual Integrations
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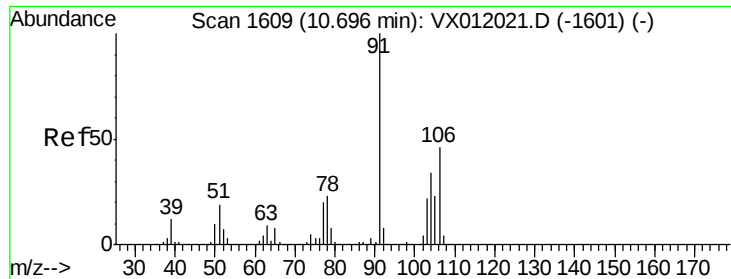
MMDadoda
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#68
m/p-Xylenes
Concen: 38.923 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion: 106 Resp: 101160
Ion Ratio Lower Upper
106 100
91 216.1 157.5 236.3





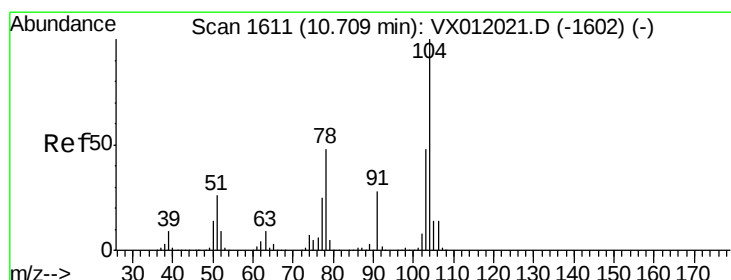
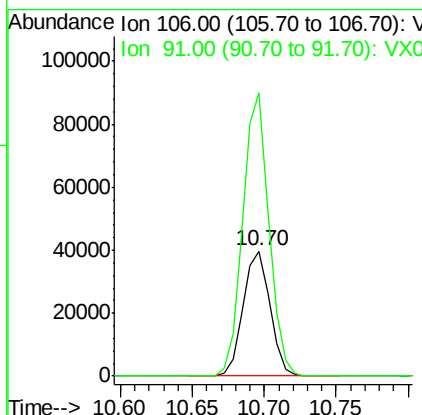
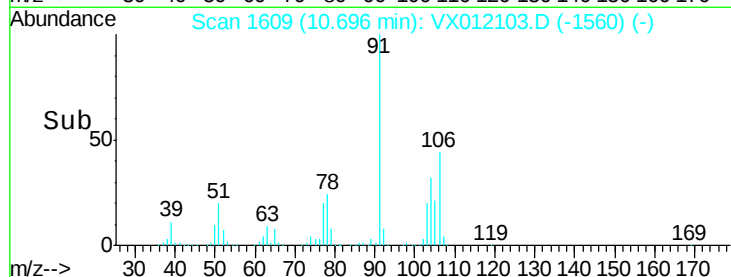
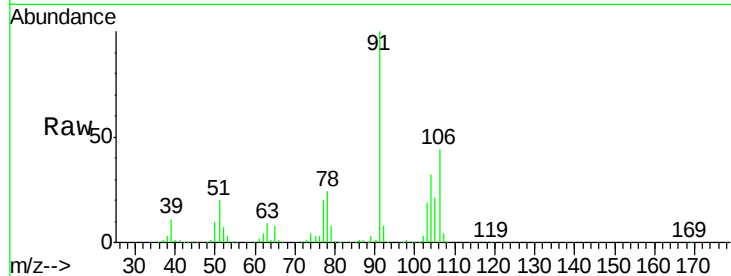
#69
o-Xylene
Concen: 20.336 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleID :
VX0905SBS01

Tot Ion:106 Resp: 51251
Ion Ratio Lower Upper
106 100
91 221.0 103.5 310.3

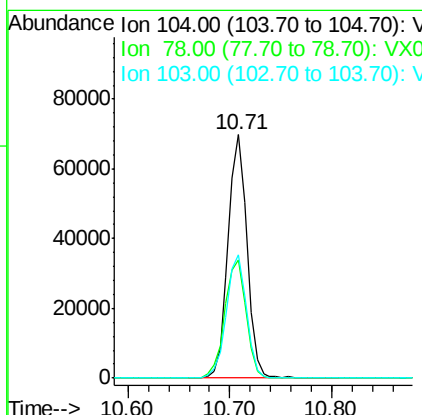
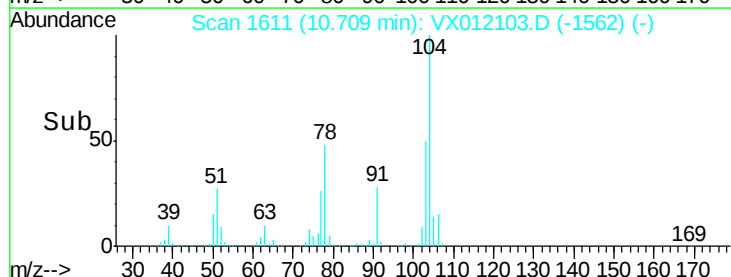
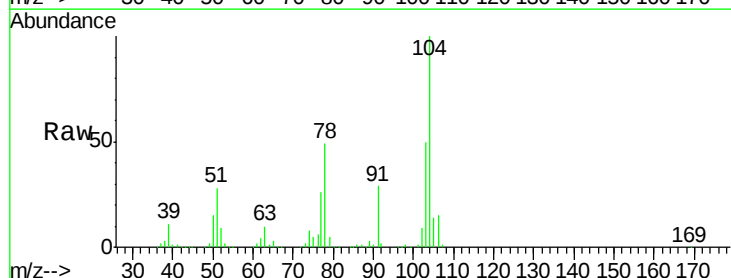
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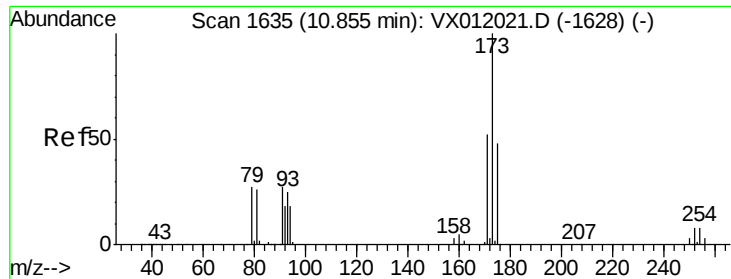
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#70
Styrene
Concen: 20.443 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion:104 Resp: 89485
Ion Ratio Lower Upper
104 100
78 55.3 39.1 58.7
103 54.2 43.4 65.2





#71

Bromoform

Concen: 20.749 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBSD01

Tot Ion:173 Resp: 16126

Ion Ratio Lower Upper

173 100

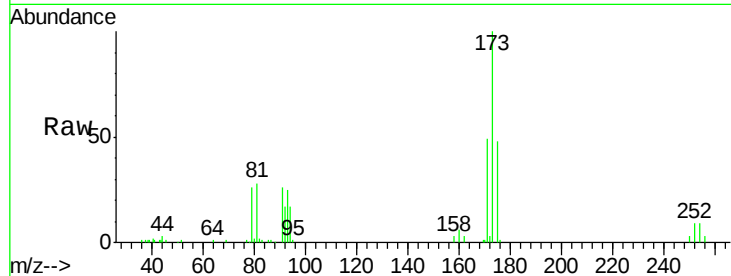
175 48.2 24.9 74.7

254 0.0 0.1 0.1#

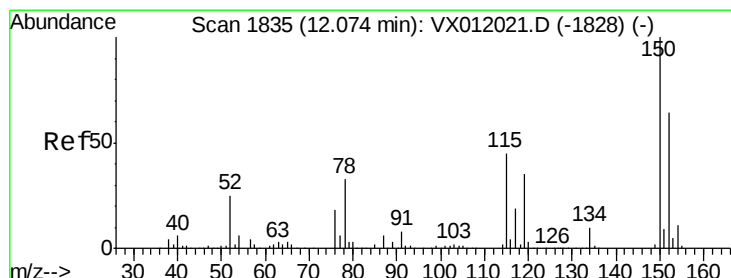
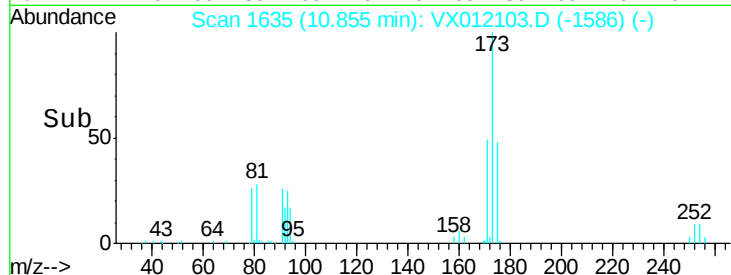
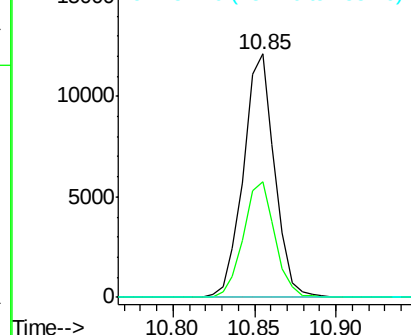
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

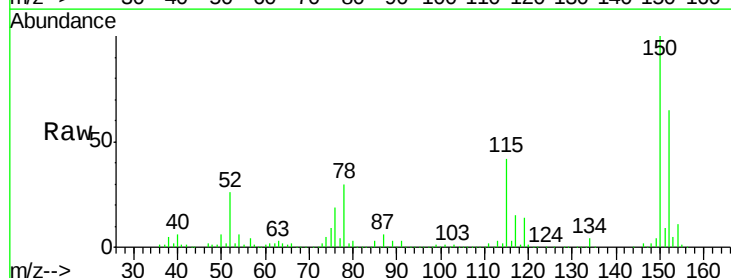
Tgt Ion:152 Resp: 98865

Ion Ratio Lower Upper

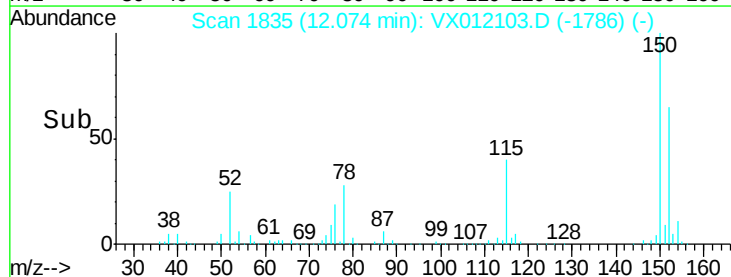
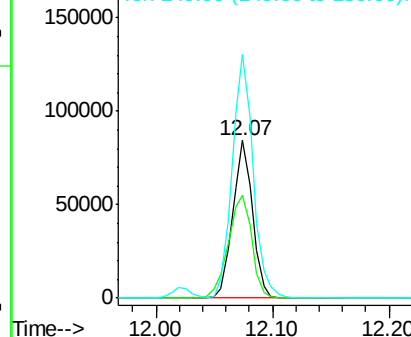
152 100

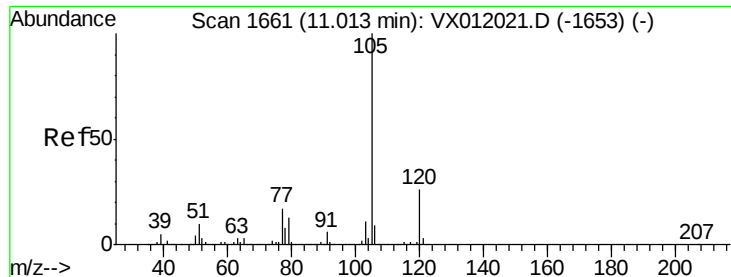
115 76.9 36.4 109.3

150 163.9 0.0 341.2



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: 18.848 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 105 Resp: 136723

Ion Ratio Lower Upper

105 100

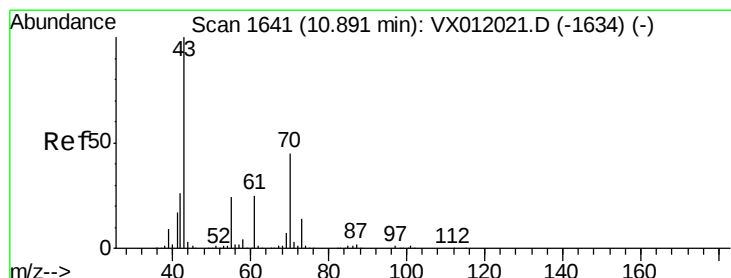
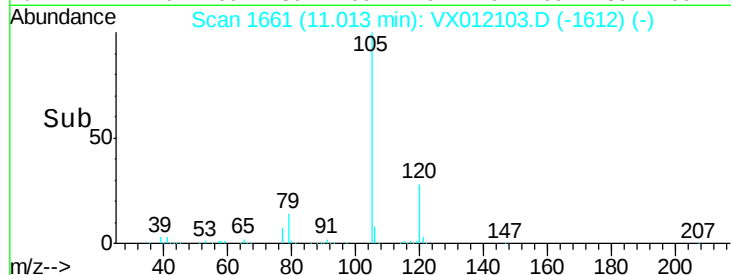
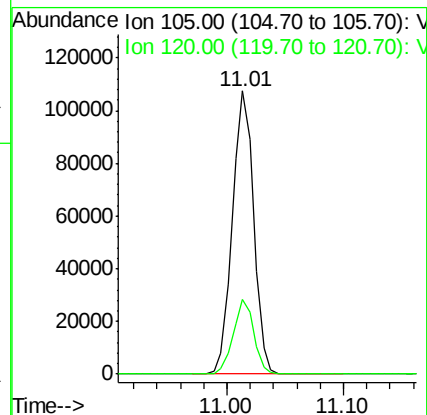
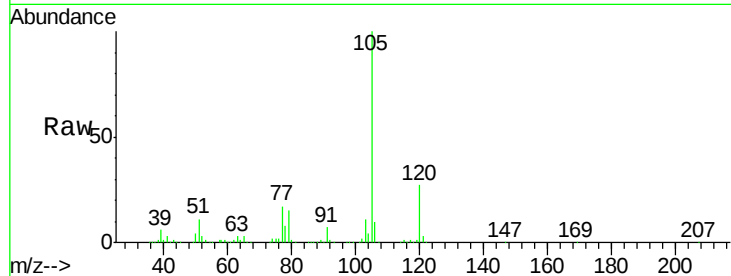
120 25.6 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.880 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Tgt Ion: 43 Resp: 44781

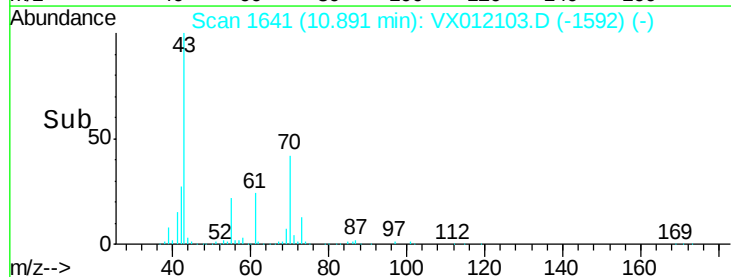
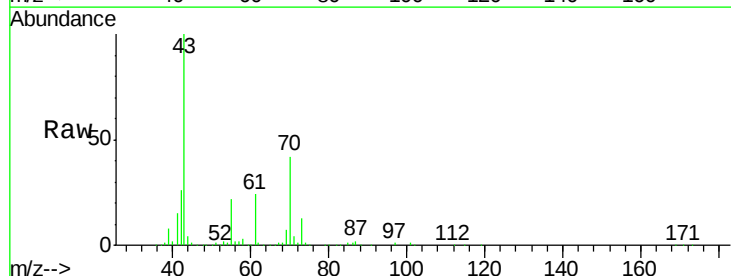
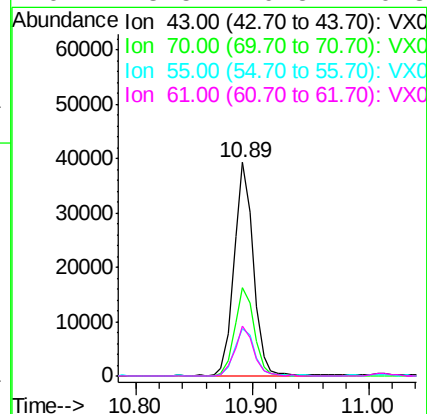
Ion Ratio Lower Upper

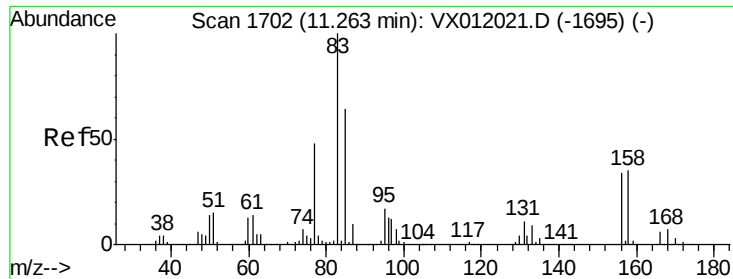
43 100

70 42.8 34.4 51.6

55 24.0 18.5 27.7

61 23.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.270 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

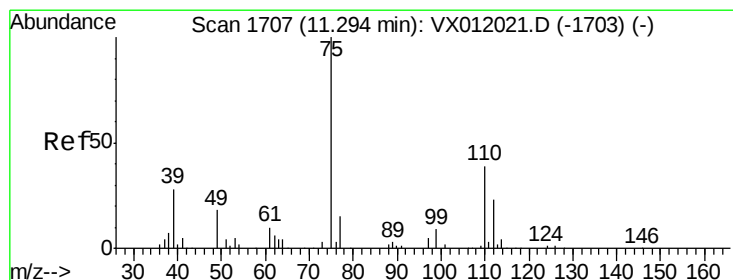
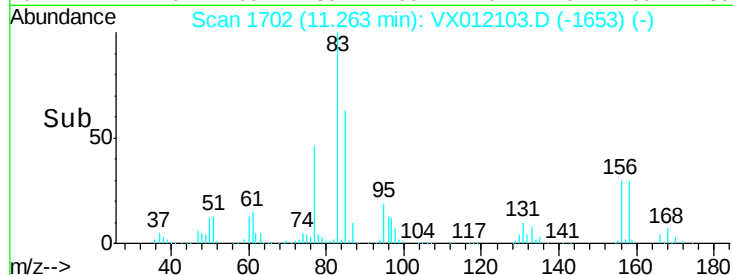
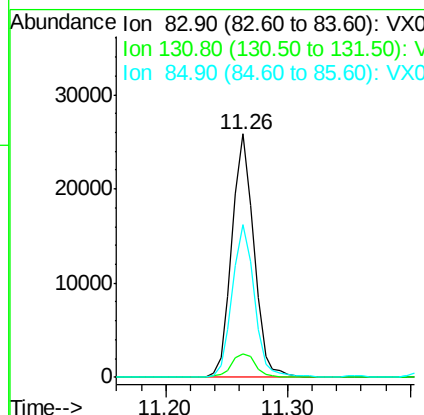
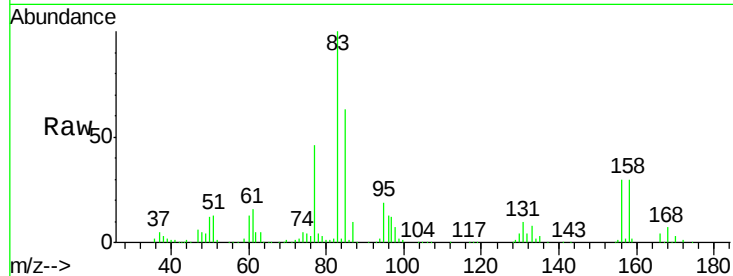
ClientSampled :

VX0905SBS01

Tot Ion:	83	Resp:	32166
Ion Ratio	Lower	Upper	
83	100		
131	10.6	6.3	19.1
85	62.9	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.805 ug/l m

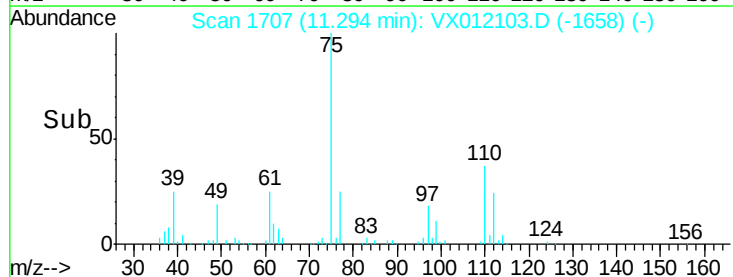
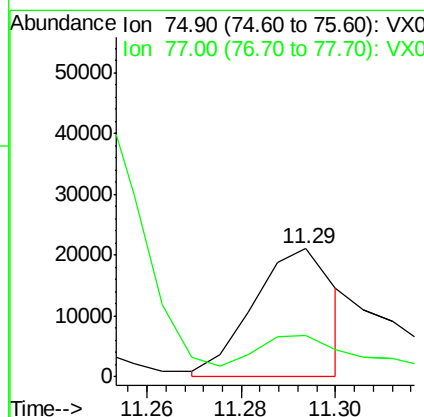
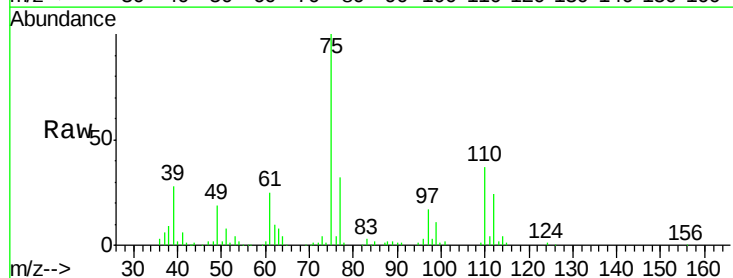
RT: 11.29 min Scan# 1707

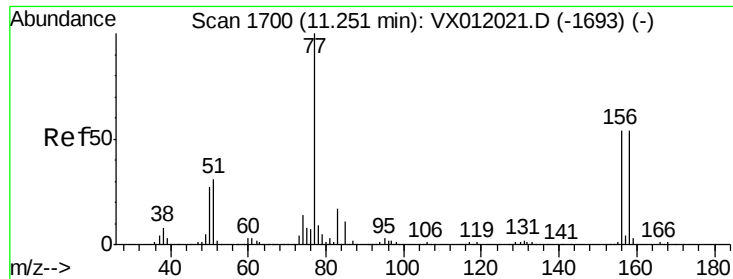
Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Tgt Ion:	75	Resp:	25132
Ion Ratio	Lower	Upper	
75	100		
77	43.9	23.5	70.5





#77

Bromobenzene

Concen: 20.401 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampled :

VX0905SBSD01

Tot Ion:156 Resp: 33098

Ion Ratio Lower Upper

156 100

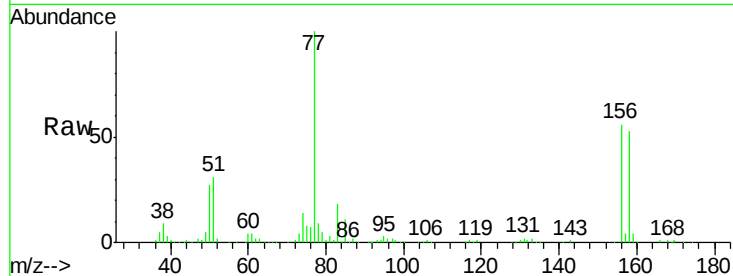
77 186.4 63.4 190.2

158 94.6 48.9 146.6

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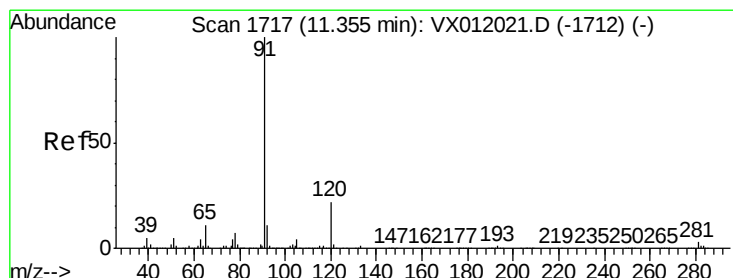
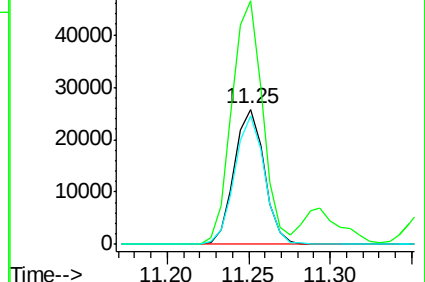
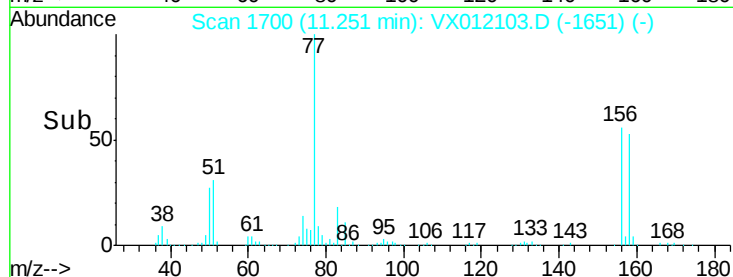
9/6/2019 12:31:35 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.728 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012103.D

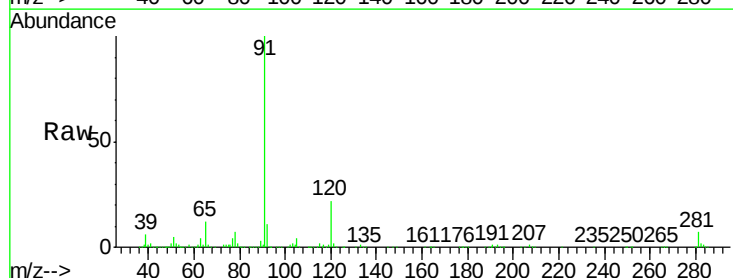
Acq: 05 Sep 2019 16:14

Tgt Ion: 91 Resp: 164121

Ion Ratio Lower Upper

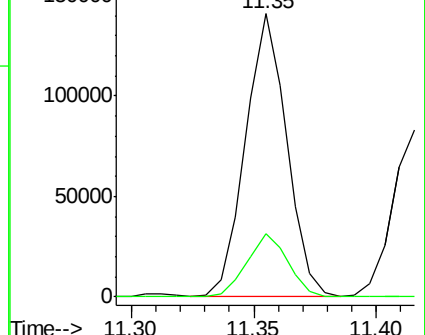
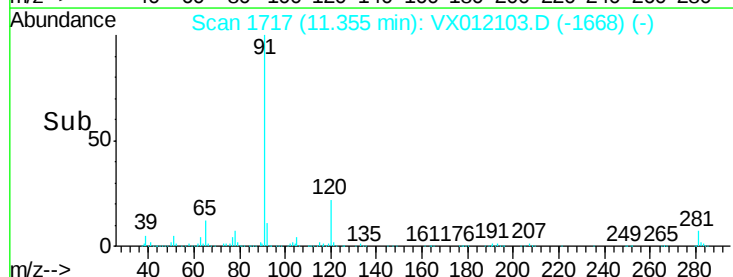
91 100

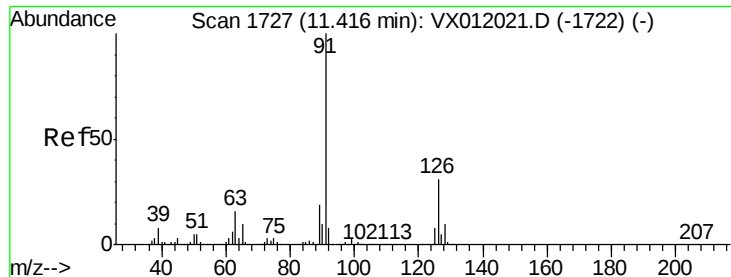
120 22.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.909 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

VX0905SBS01

Tot Ion: 91 Resp: 105702

Ion Ratio Lower Upper

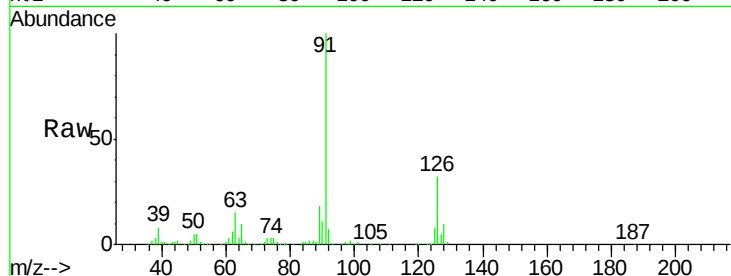
91 100

126 31.0 18.6 55.8

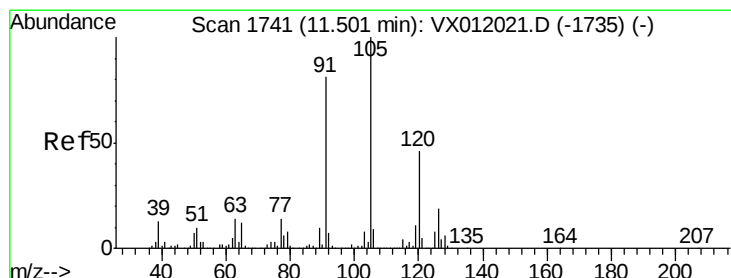
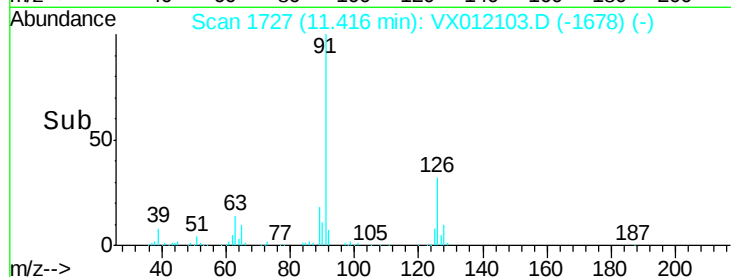
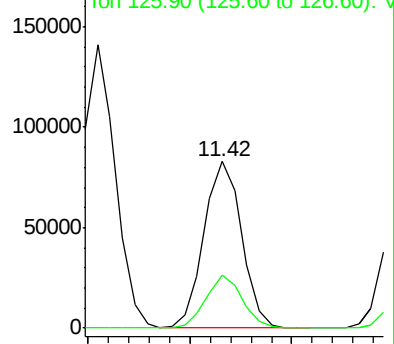
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Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.295 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012103.D

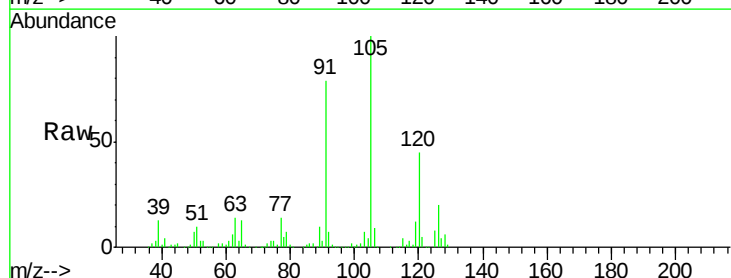
Acq: 05 Sep 2019 16:14

Tgt Ion: 105 Resp: 122657

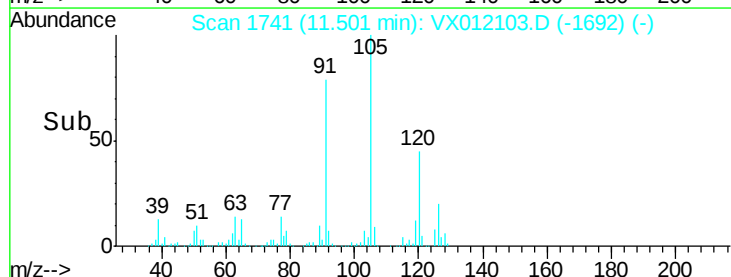
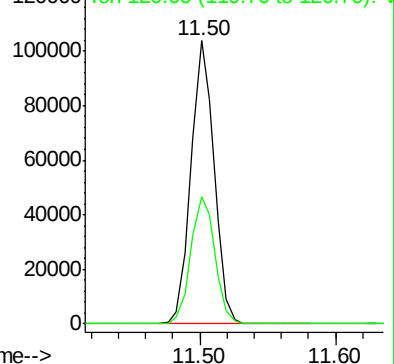
Ion Ratio Lower Upper

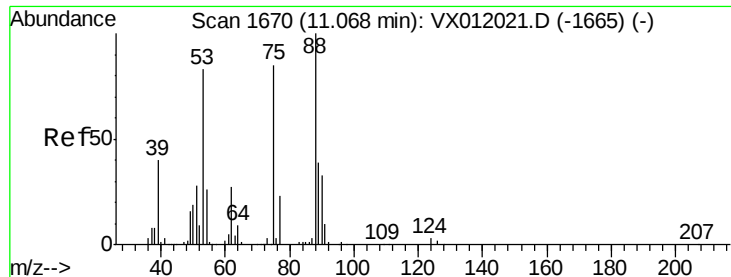
105 100

120 46.7 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)





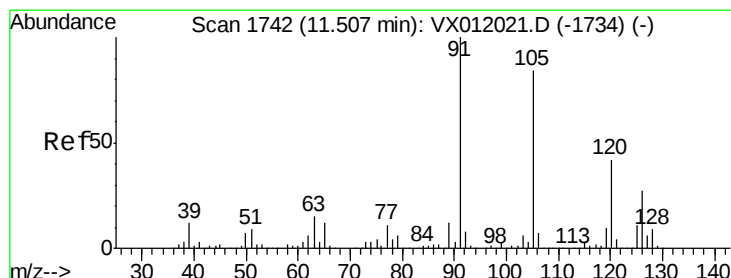
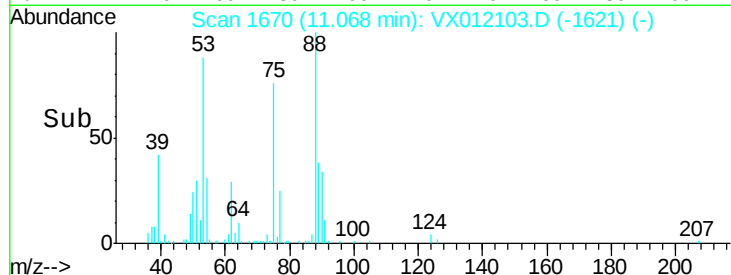
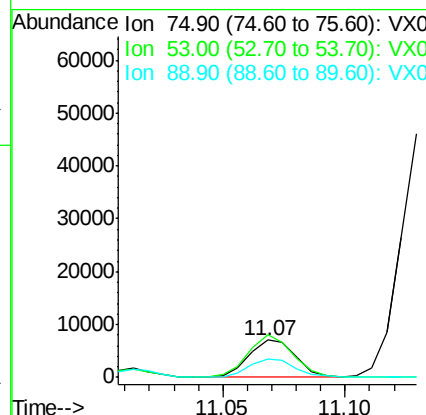
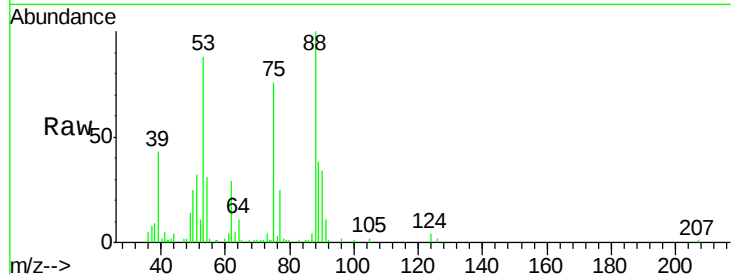
#81
trans-1,4-Dichloro-2-butene
Concen: 18.029 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.7	78.6	117.8
89	50.2	38.8	58.2

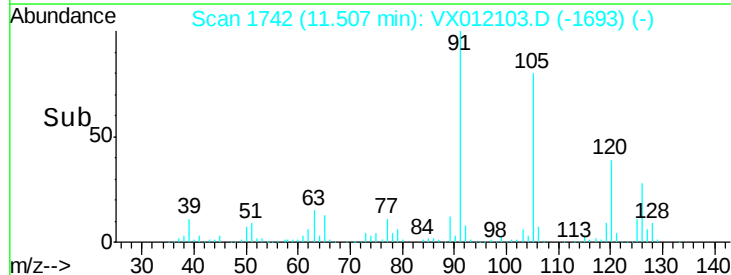
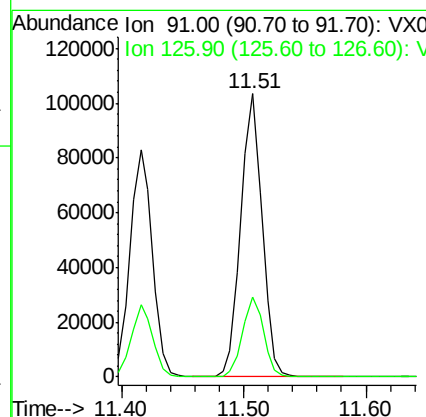
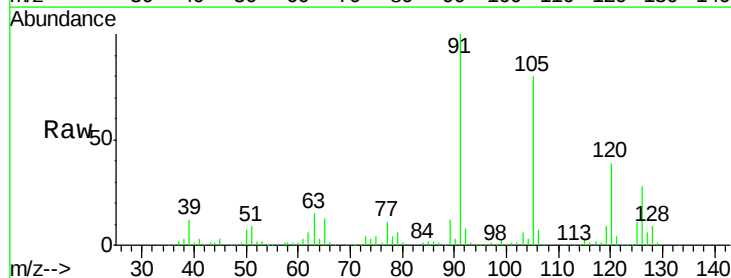
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#82
4-Chlorotoluene
Concen: 19.627 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	16.2	48.6





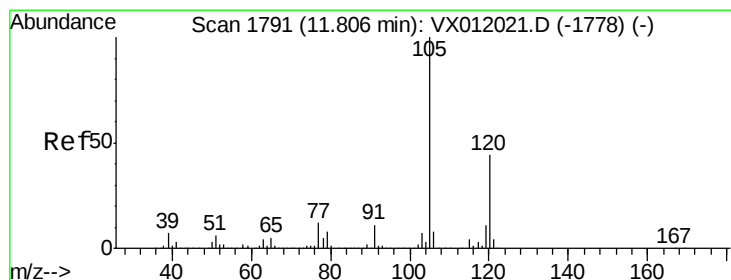
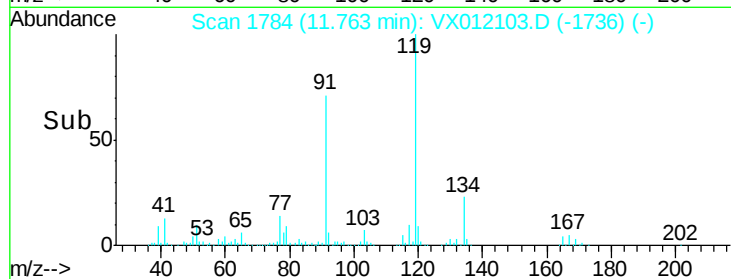
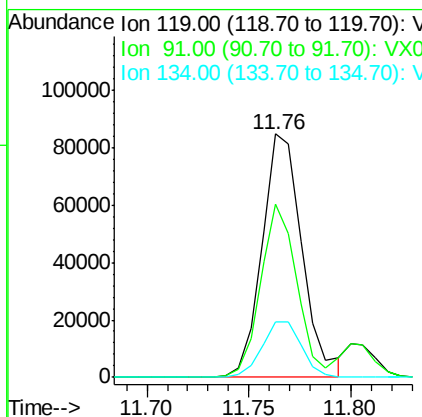
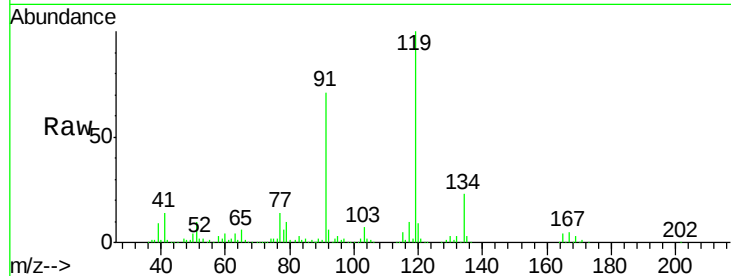
#83
tert-Butylbenzene
Concen: 19.148 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116016		
91	64.1	27.1	81.2	
134	22.8	12.1	36.3	

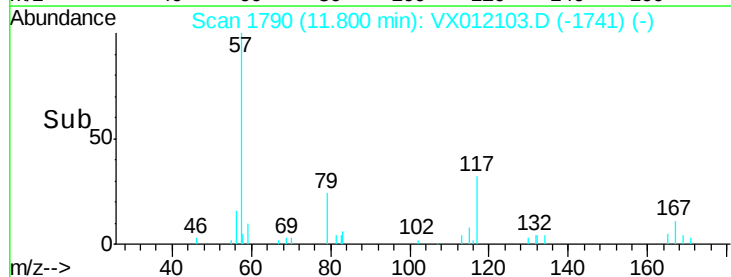
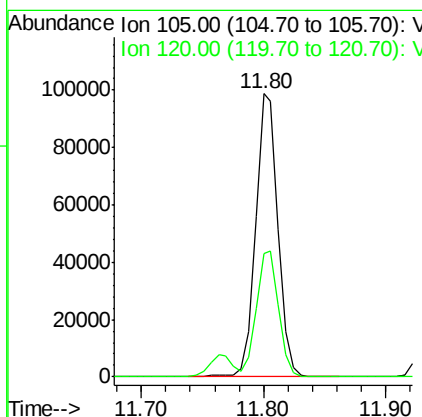
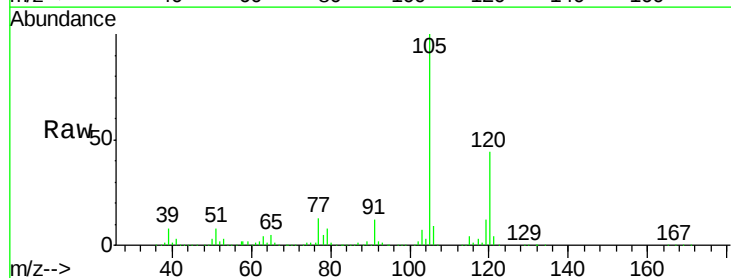
Manual Integrations
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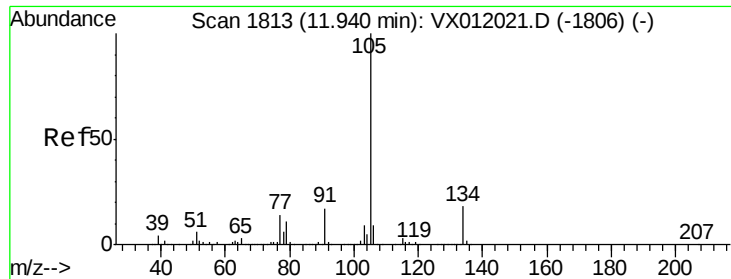
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#84
1,2,4-Trimethylbenzene
Concen: 19.257 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	125813		
120	44.2	23.6	70.8	





#85

sec-Butylbenzene

Concen: 18.851 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

Instrument :

MSVOA_X

ClientSampled :

VX0905SBS01

Tot Ion:105 Resp: 141861

Ion Ratio Lower Upper

105 100

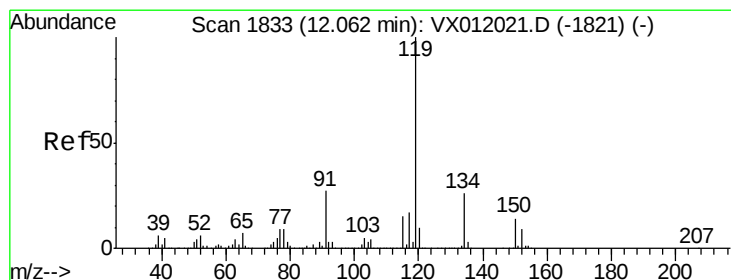
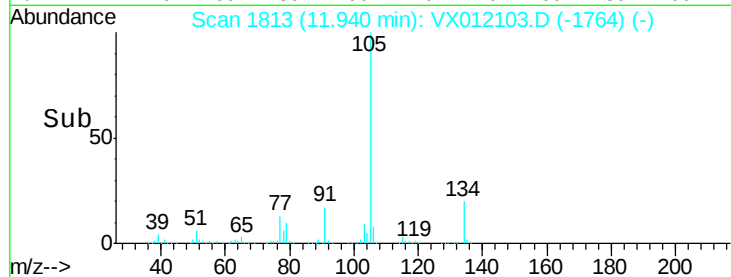
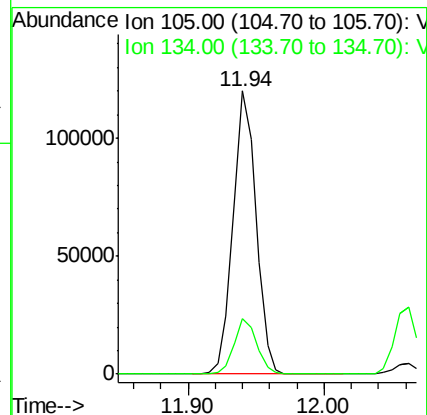
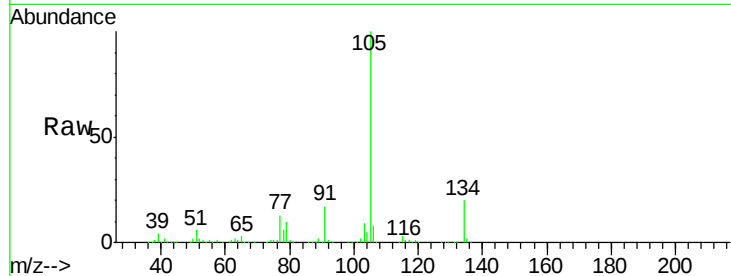
134 19.3 11.2 33.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.963 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012103.D

Acq: 05 Sep 2019 16:14

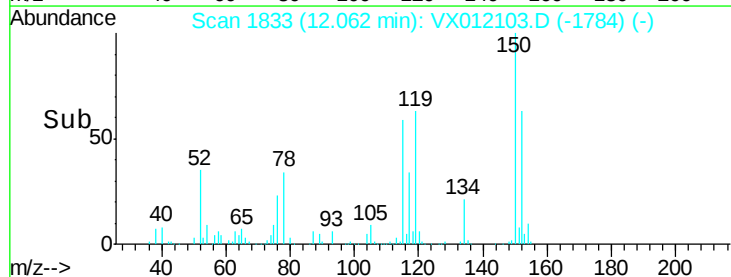
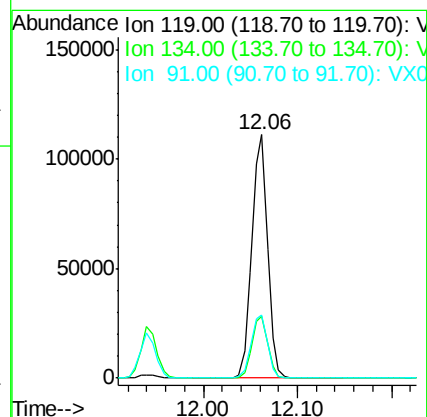
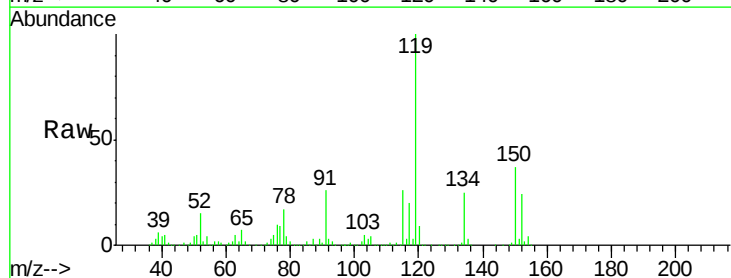
Tgt Ion:119 Resp: 129784

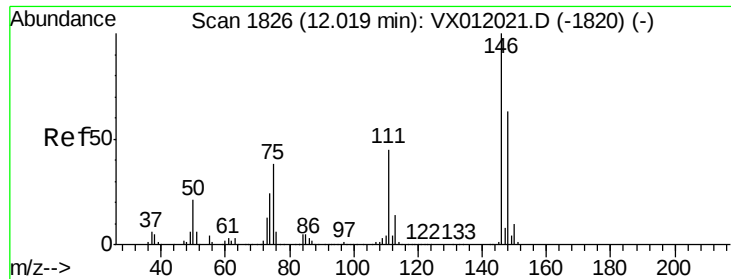
Ion Ratio Lower Upper

119 100

134 25.6 13.7 41.1

91 26.9 11.4 34.1





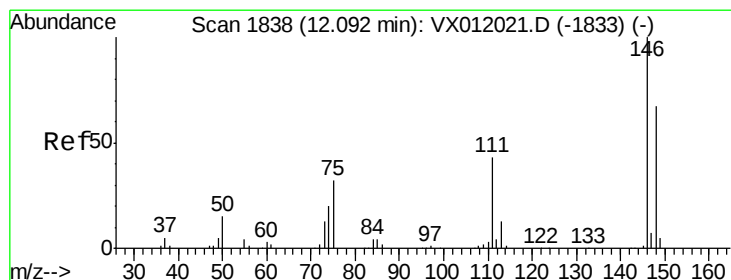
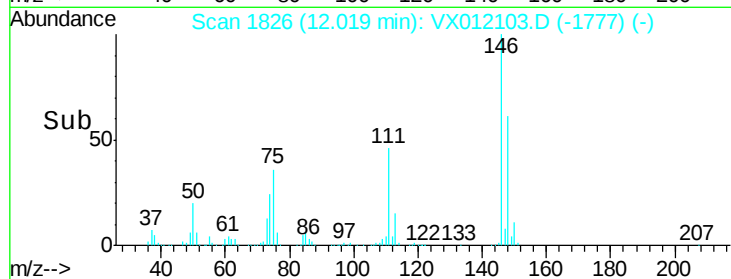
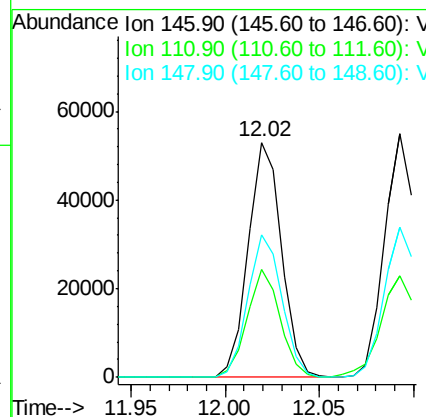
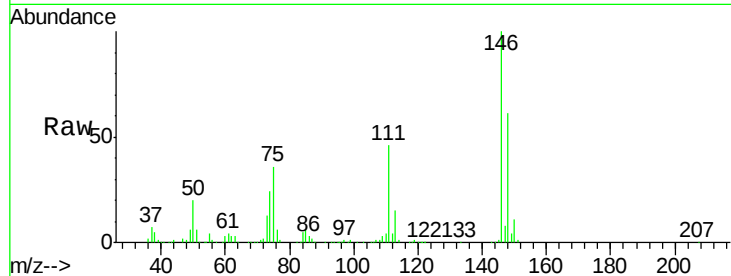
#87
 1,3-Dichlorobenzene
 Concen: 20.056 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	18.1	54.1
148	62.0	32.6	97.8

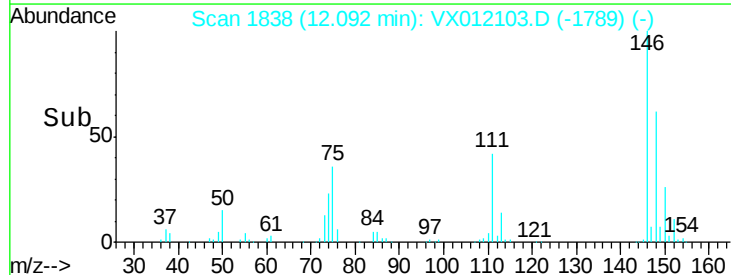
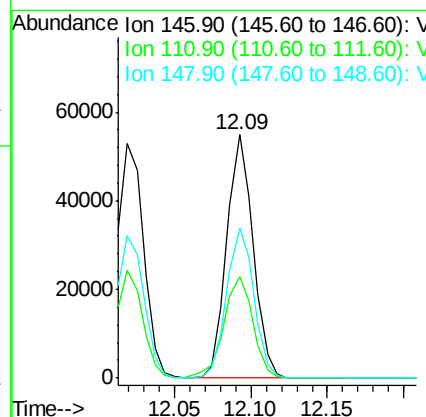
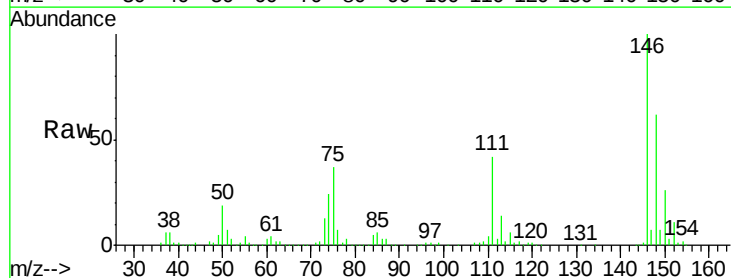
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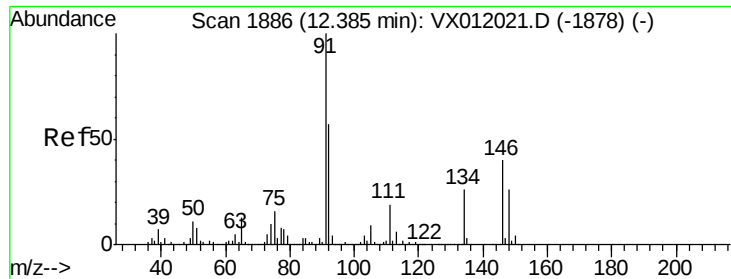
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#88
 1,4-Dichlorobenzene
 Concen: 20.195 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	17.7	53.1
148	64.0	32.4	97.0





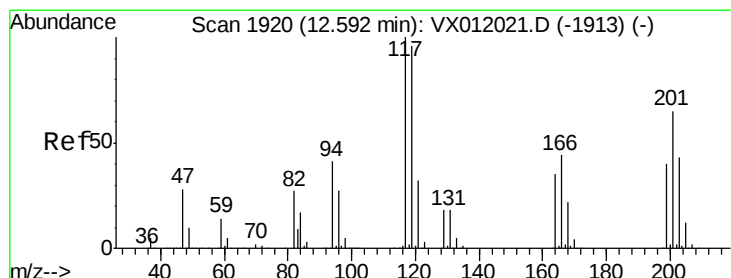
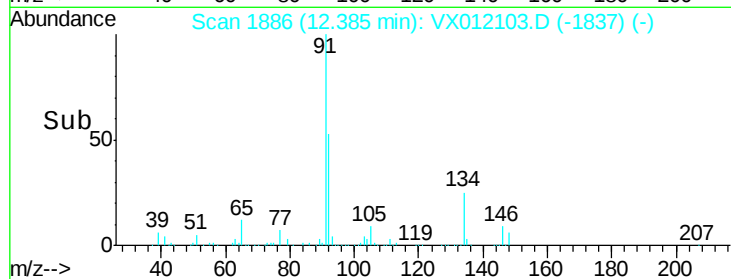
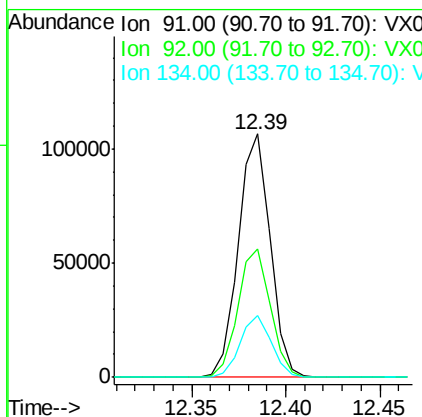
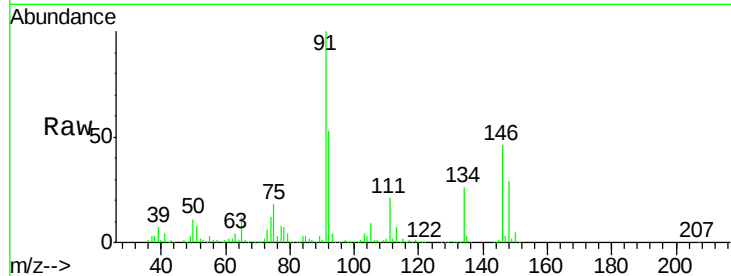
#89
n-Butylbenzene
Concen: 18.855 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	125355		
92	54.0	27.6	82.8	
134	24.8	15.4	46.1	

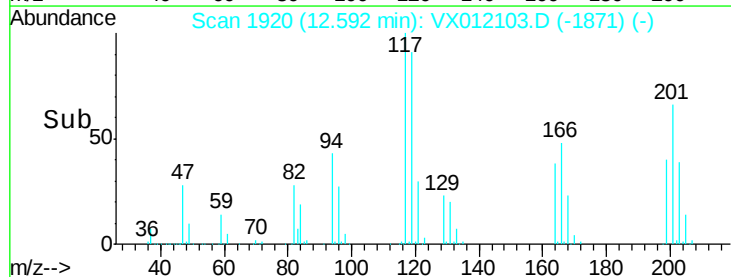
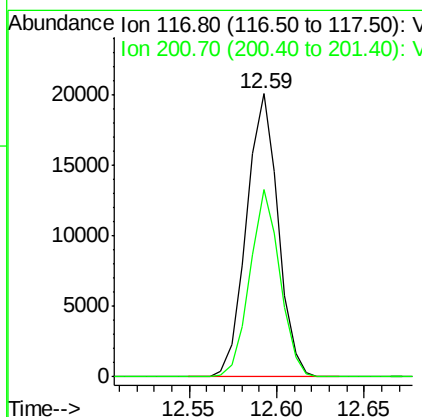
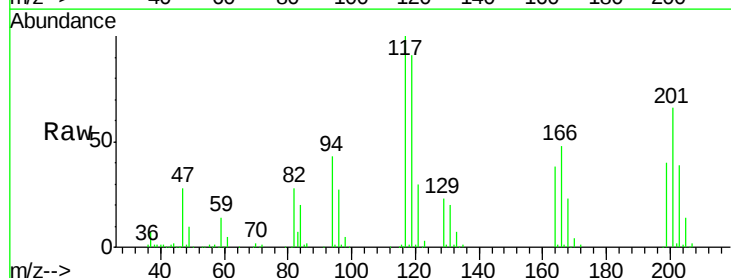
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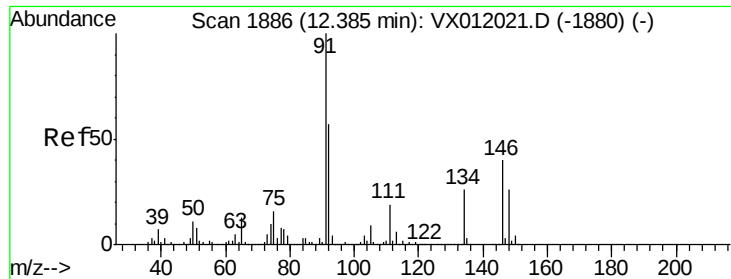
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#90
Hexachloroethane
Concen: 18.472 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	25243		
201	62.9	55.0	165.2	





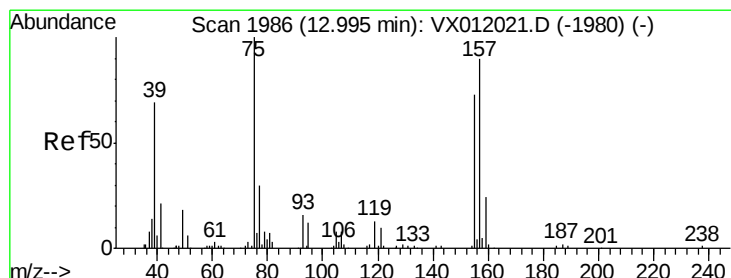
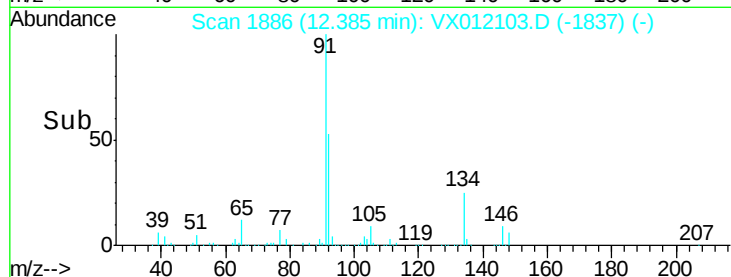
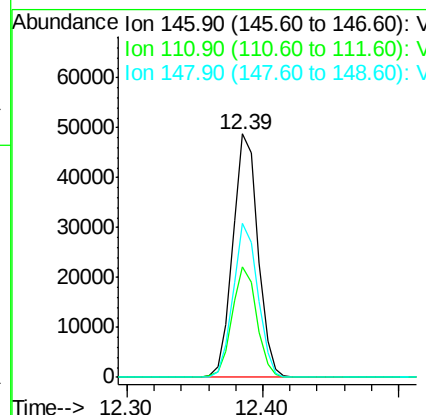
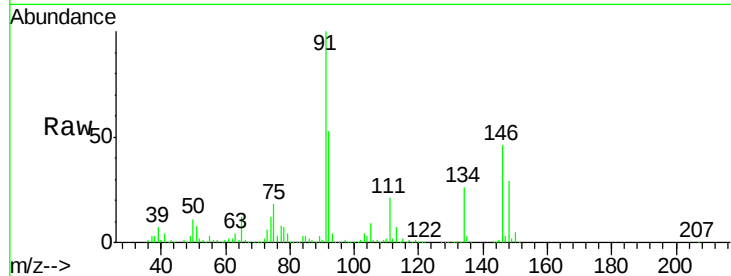
#91
 1,2-Dichlorobenzene
 Concen: 21.340 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	18.6	56.0
148	62.4	32.4	97.2

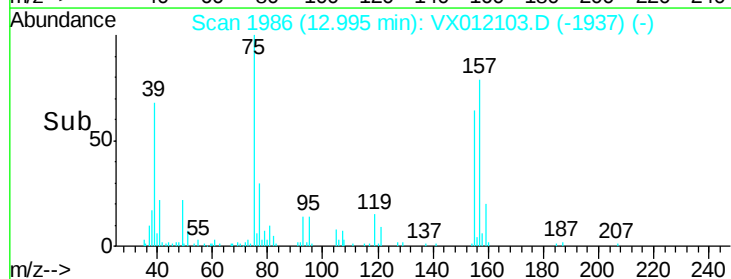
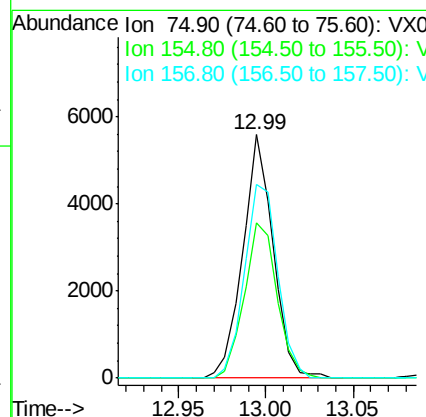
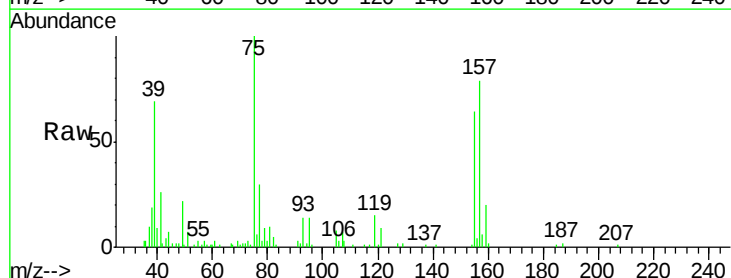
Manual Integrations
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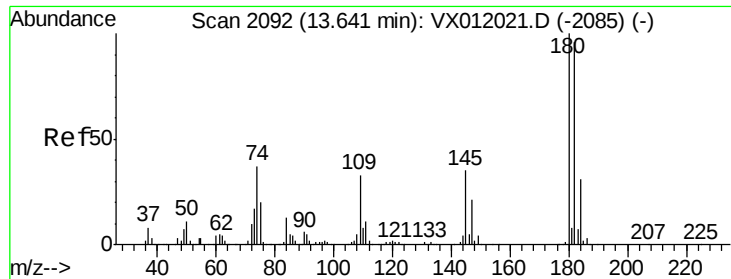
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.324 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.6	51.7	155.2
157	86.9	66.9	200.7





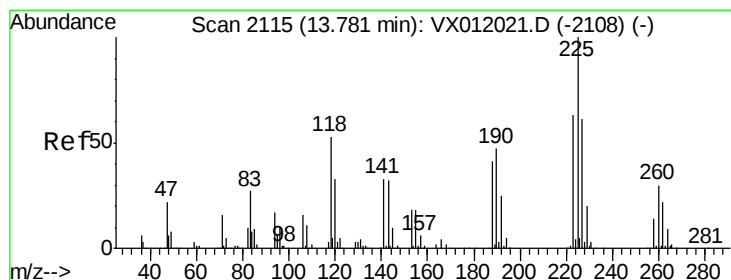
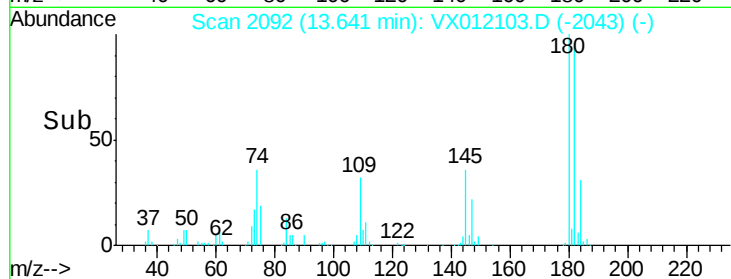
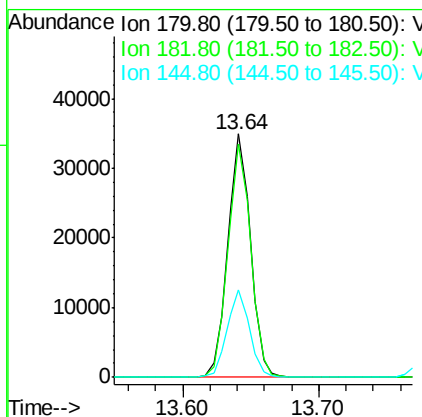
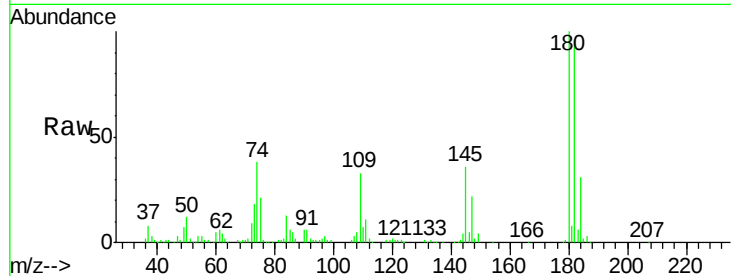
#93
 1,2,4-Trichlorobenzene
 Concen: 19.428 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	40486		
182	96.1	47.3	142.0	
145	35.5	13.7	41.0	

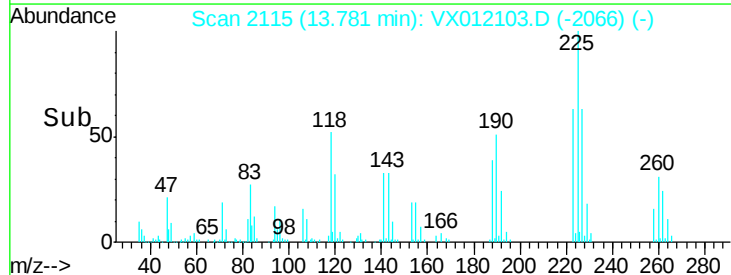
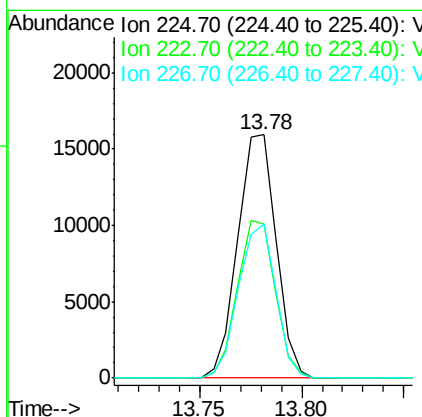
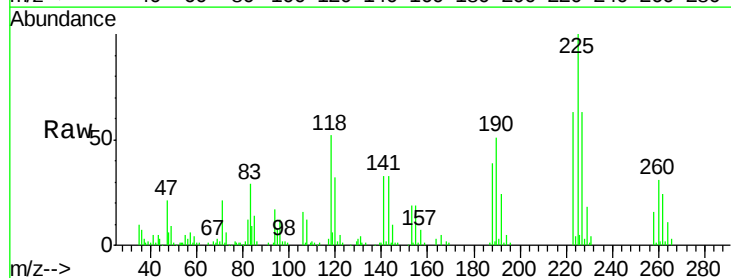
Manual Integrations
 APPROVED

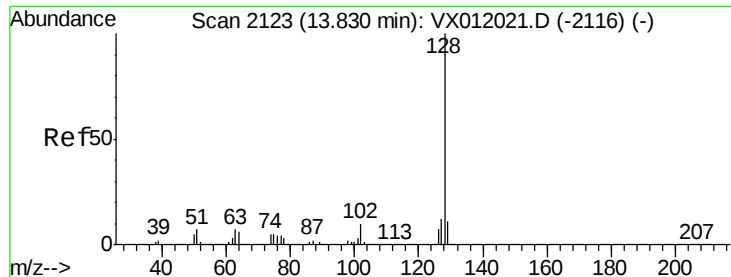
MMDadoda
 9/6/2019 12:31:35 PM



#94
 Hexachlorobutadiene
 Concen: 19.989 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012103.D
 Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20998		
223	63.6	31.6	95.0	
227	61.1	32.5	97.5	





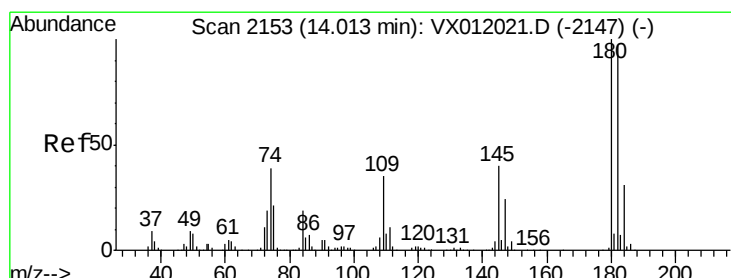
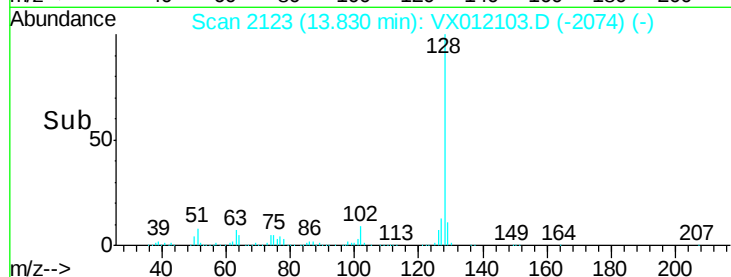
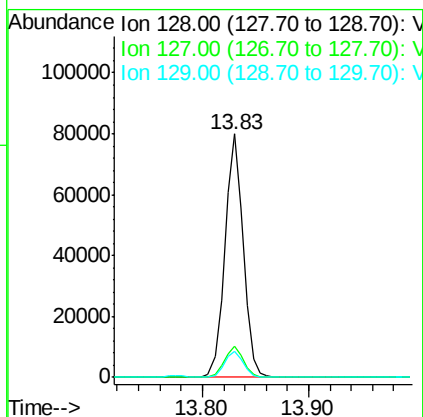
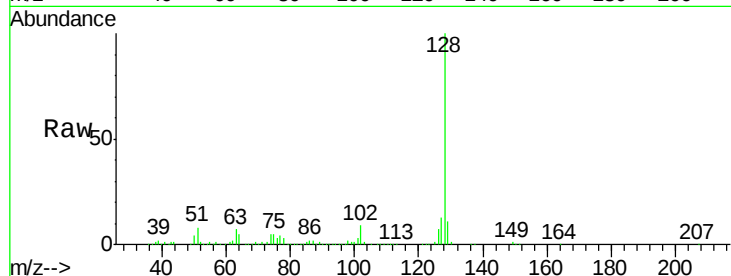
#95
Naphthalene
Concen: 21.243 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
VX0905SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:31:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.325 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012103.D
Acq: 05 Sep 2019 16:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	38.1	14.1	42.4

