

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102519\
 Data File : VX013234.D
 Acq On : 25 Oct 2019 16:27
 Operator : JC/SP
 Sample : K5546-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:53:02 PM

Quant Time: Oct 26 00:48:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	76642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	110733	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	112934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	76011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	82282	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	5.48	113	64624	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	8.71	98	233912	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.13	95	91186	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	76180	49.260	ug/l	99
3) Chloromethane	1.32	50	60554	47.595	ug/l	98
4) Vinyl Chloride	1.40	62	65948	47.385	ug/l	99
5) Bromomethane	1.63	94	35139	47.635	ug/l	98
6) Chloroethane	1.71	64	41051	52.852	ug/l	100
7) Trichlorofluoromethane	1.92	101	117075	53.289	ug/l	96
8) Diethyl Ether	2.18	74	38535	51.160	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67939	49.951	ug/l	98
10) Methyl Iodide	2.50	142	87813	51.159	ug/l	100
11) Tert butyl alcohol	3.03	59	89913	258.587	ug/l	100
12) 1,1-Dichloroethene	2.36	96	64775	49.613	ug/l	98
13) Acrolein	2.28	56	50869	270.472	ug/l	96
14) Allyl chloride	2.72	41	99828	48.568	ug/l	99
15) Acrylonitrile	3.13	53	178716	252.935	ug/l	100
16) Acetone	2.44	43	162484	215.151	ug/l	99
17) Carbon Disulfide	2.56	76	160522	45.732	ug/l	99
18) Methyl Acetate	2.76	43	84305	51.102	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	241129	52.446	ug/l	100
20) Methylene Chloride	2.84	84	72908	51.615	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	69626	51.242	ug/l	87
22) Diisopropyl ether	3.84	45	202820	50.466	ug/l	97
23) Vinyl Acetate	3.80	43	870788	254.919	ug/l	99
24) 1,1-Dichloroethane	3.69	63	126216	51.058	ug/l	99
25) 2-Butanone	4.66	43	242691	239.621	ug/l	99
26) 2,2-Dichloropropane	4.57	77	108108	47.320	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	80723	50.485	ug/l	97
28) Bromochloromethane	5.00	49	34779	54.562	ug/l	98
29) Tetrahydrofuran	5.12	42	149433	244.777	ug/l	98
30) Chloroform	5.20	83	137225	52.138	ug/l	96
31) Cyclohexane	5.57	56	102973	49.671	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	125138	53.474	ug/l	99
36) 1,1-Dichloropropene	5.79	75	97269	52.480	ug/l	100
37) Ethyl Acetate	4.82	43	92617	50.191	ug/l	99
38) Carbon Tetrachloride	5.78	117	107384	52.465	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110445	46.590	ug/l	98
40) Benzene	6.13	78	281849	50.674	ug/l	99
41) Methacrylonitrile	5.03	41	51431	51.986	ug/l	98
42) 1,2-Dichloroethane	6.19	62	113758	54.246	ug/l	100
43) Isopropyl Acetate	6.43	43	157317	51.348	ug/l	99
44) Trichloroethene	7.20	130	79532	50.382	ug/l	98
45) 1,2-Dichloropropane	7.51	63	69177	49.658	ug/l	100
46) Dibromomethane	7.65	93	51624	51.436	ug/l	99
47) Bromodichloromethane	7.89	83	106501	54.450	ug/l	96
48) Methyl methacrylate	7.76	41	77947	51.475	ug/l	98
49) 1,4-Dioxane	7.73	88	37887	983.060	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	486129	260.318	ug/l	100
52) Toluene	8.78	92	182942	49.631	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	113723	54.713	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	119594	52.597	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	75693	51.940	ug/l	98
56) Ethyl methacrylate	9.17	69	119249	54.368	ug/l	99
57) 1,3-Dichloropropane	9.37	76	125836	51.175	ug/l	100
59) 2-Hexanone	9.49	43	372585	259.013	ug/l	98
60) Dibromochloromethane	9.57	129	85009	55.669	ug/l	100
61) 1,2-Dibromoethane	9.67	107	81764	52.850	ug/l	100
64) Tetrachloroethene	9.33	164	75140	54.081	ug/l	96
65) Chlorobenzene	10.14	112	196810	49.783	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	79423	54.384	ug/l	97
67) Ethyl Benzene	10.25	91	361451	51.071	ug/l	98
68) m/p-Xylenes	10.36	106	268280	100.304	ug/l	99
69) o-Xylene	10.70	106	129367	50.421	ug/l	98
70) Stvrene	10.71	104	224794	50.881	ug/l	99
71) Bromoform	10.85	173	59901	56.135	ug/l #	99
73) Isopropylbenzene	11.01	105	353261	51.179	ug/l	97
74) N-amyl acetate	10.89	43	134581	53.122	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	112941	53.888	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	91335m	49.855	ug/l	
77) Bromobenzene	11.25	156	83857	50.689	ug/l	98
78) n-propylbenzene	11.35	91	386318	51.524	ug/l	99
79) 2-Chlorotoluene	11.42	91	243569	51.415	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	306024	53.340	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35681	53.520	ug/l	99
82) 4-Chlorotoluene	11.51	91	274809	51.197	ug/l	99
83) tert-Butylbenzene	11.76	119	296944	52.313	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	305978	52.873	ug/l	99
85) sec-Butylbenzene	11.94	105	337885	52.308	ug/l	100
86) p-Isopropyltoluene	12.06	119	316973	52.232	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	151664	50.746	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	150264	49.381	ug/l	97
89) n-Butylbenzene	12.39	91	255713	51.510	ug/l	97
90) Hexachloroethane	12.59	117	54879	54.000	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	149157	50.753	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28408	54.506	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	88824	47.997	ug/l	97

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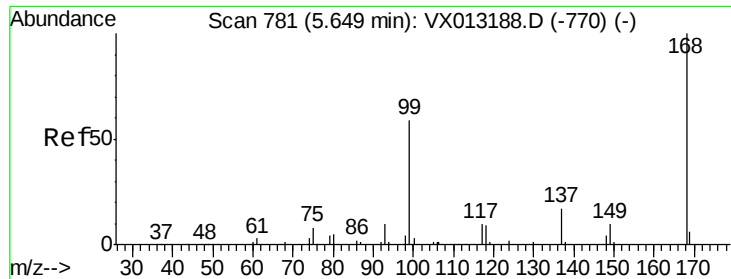
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	44182	46.153	ug/l	98
95) Naphthalene	13.83	128	297618	52.400	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	89253	48.807	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:168 Resp: 76642

Ion Ratio Lower Upper

168 100

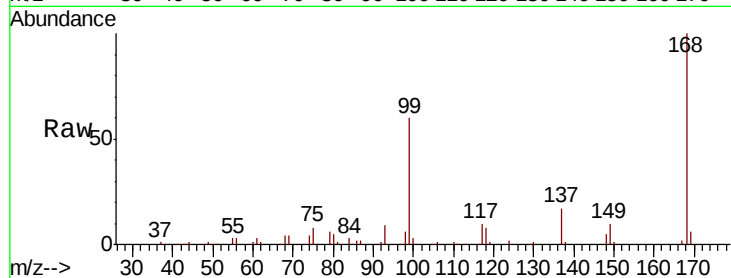
99 59.9 47.0 70.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

30000

25000

20000

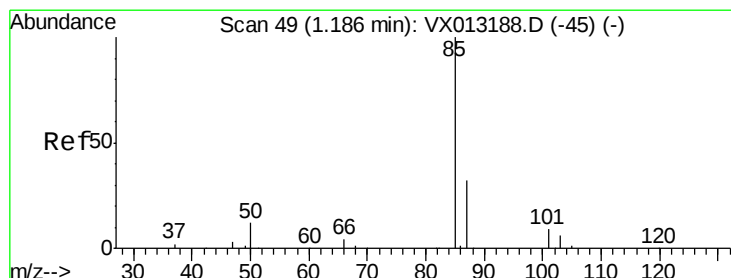
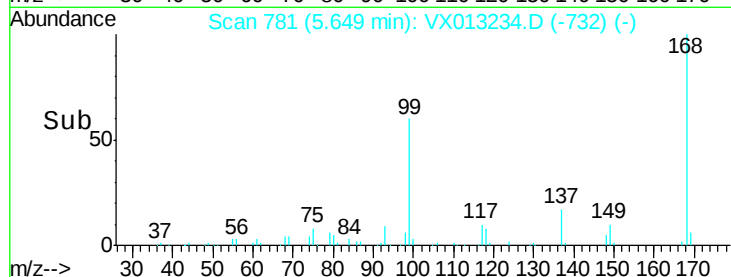
15000

10000

5000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.260 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013234.D

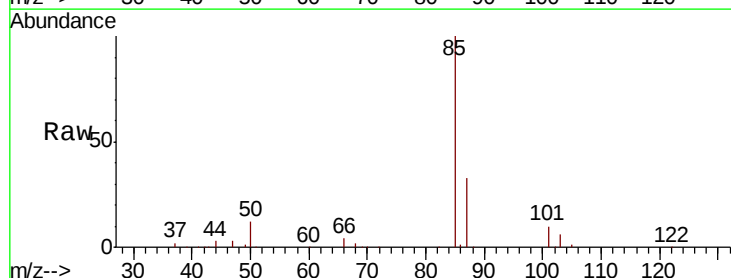
Acq: 25 Oct 2019 16:27

Tgt Ion: 85 Resp: 76180

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

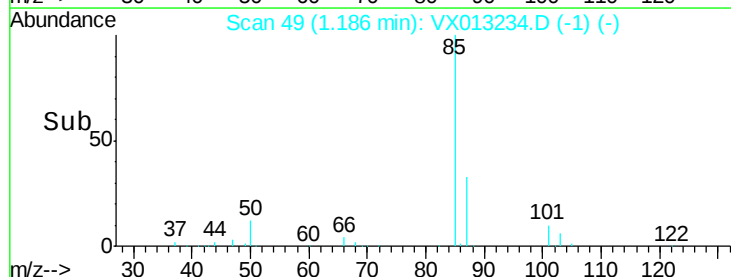
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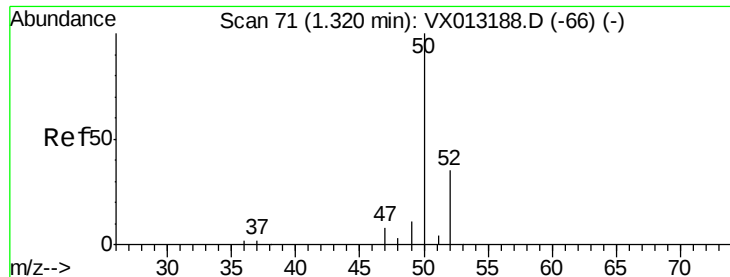
40000

20000

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Time-->





#3

Chloromethane

Concen: 47.595 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 50 Resp: 60554

Ion Ratio Lower Upper

50 100

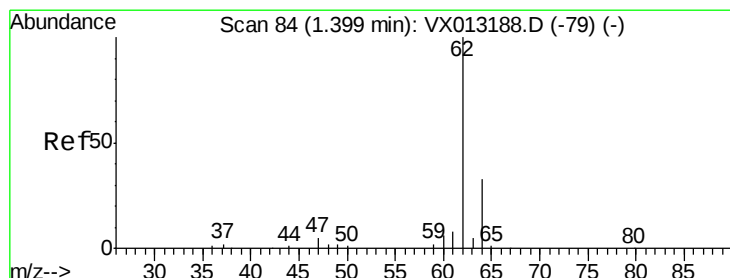
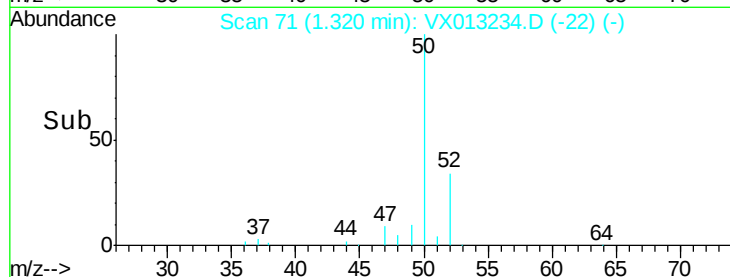
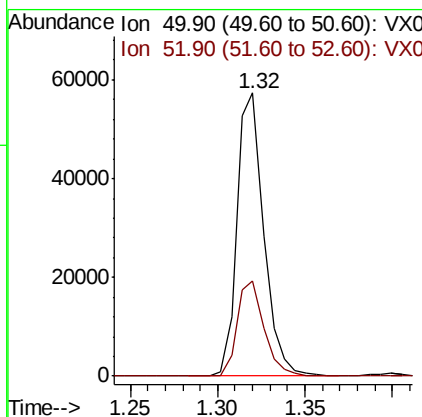
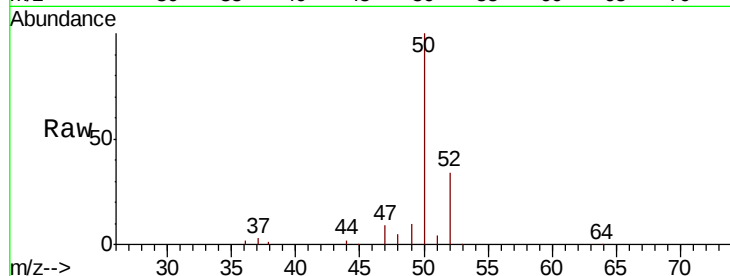
52 33.5 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.385 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013234.D

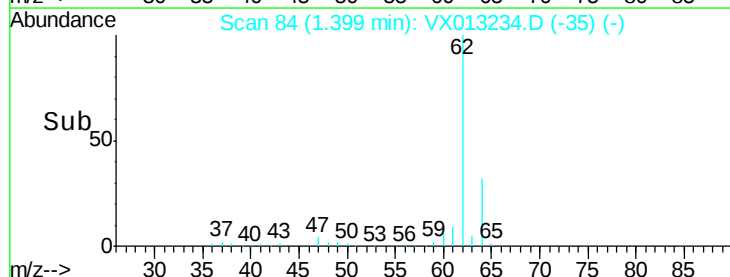
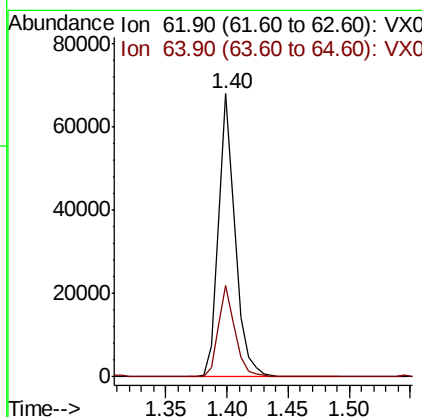
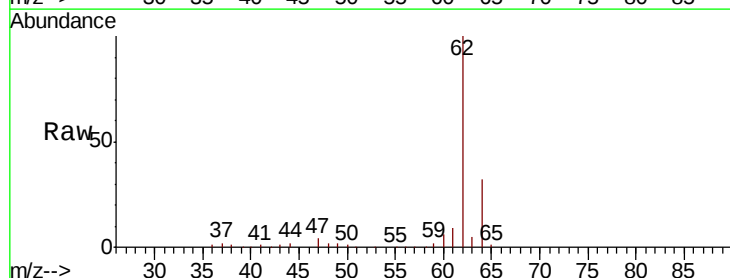
Acq: 25 Oct 2019 16:27

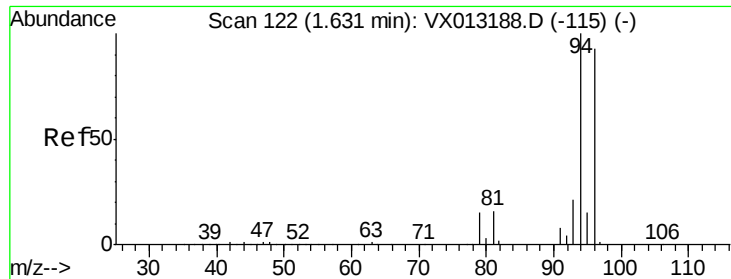
Tgt Ion: 62 Resp: 65948

Ion Ratio Lower Upper

62 100

64 32.3 26.4 39.6





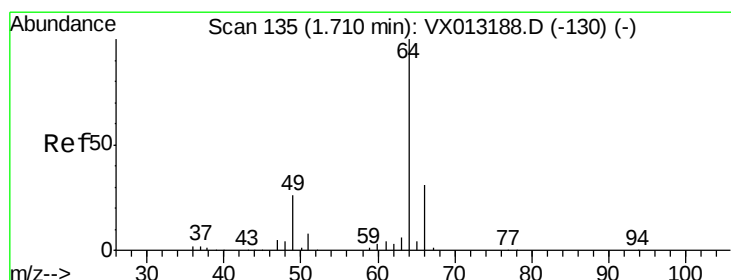
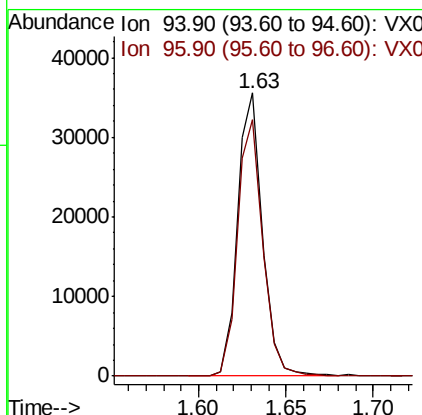
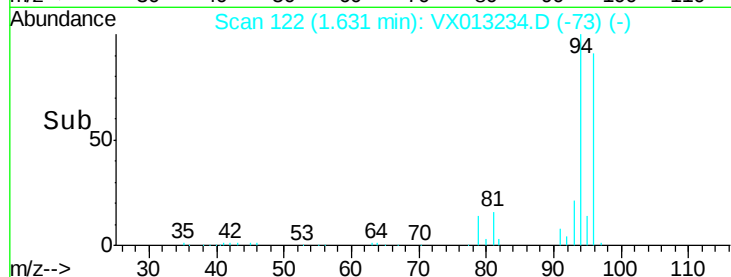
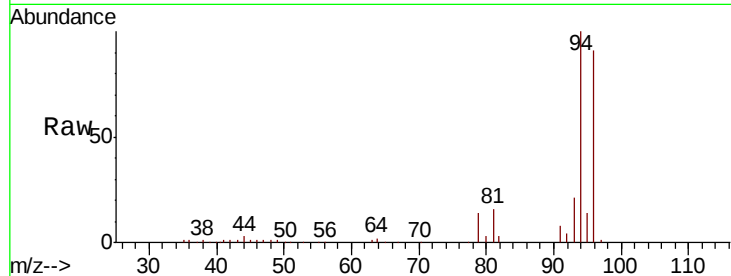
#5
Bromomethane
Concen: 47.635 ug/l
RT: 1.63 min Scan# 122
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion: 94 Resp: 35139
Ion Ratio Lower Upper
94 100
96 90.6 74.2 111.2

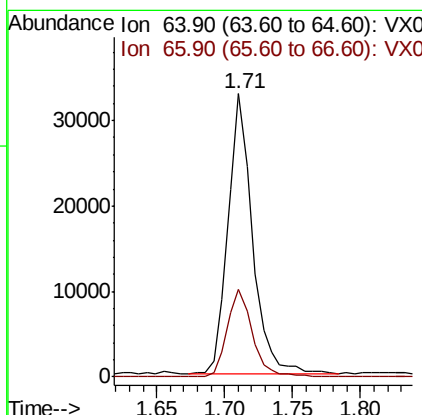
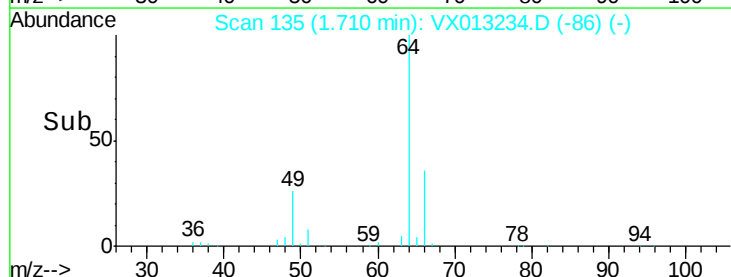
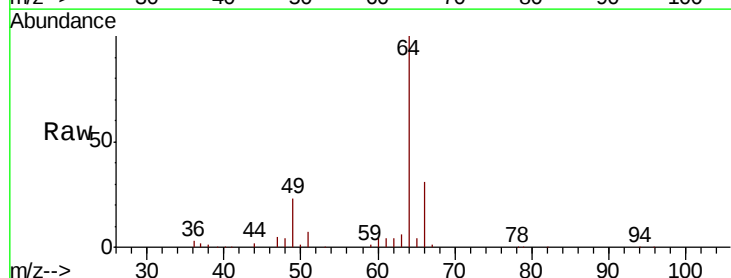
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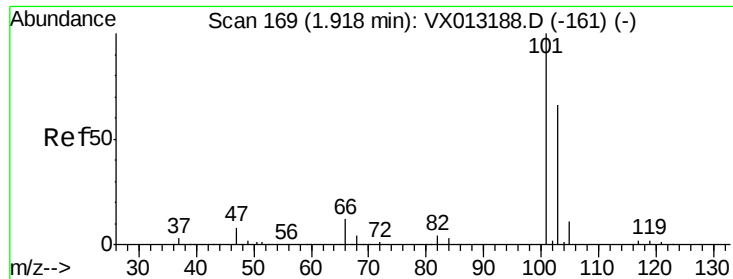
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#6
Chloroethane
Concen: 52.852 ug/l
RT: 1.71 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion: 64 Resp: 41051
Ion Ratio Lower Upper
64 100
66 31.3 25.0 37.6





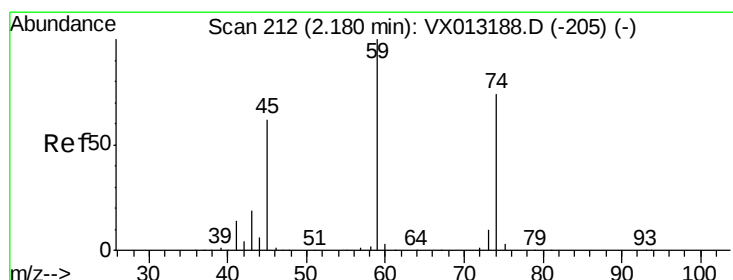
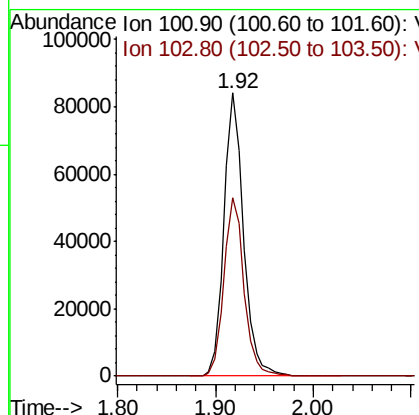
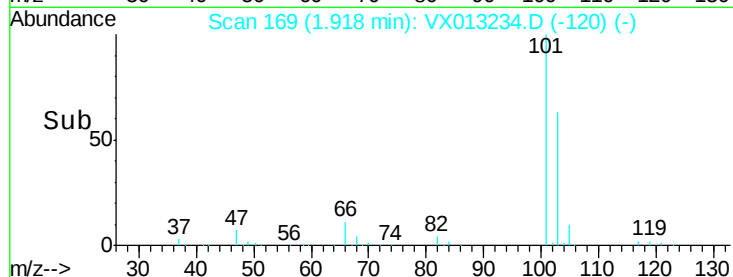
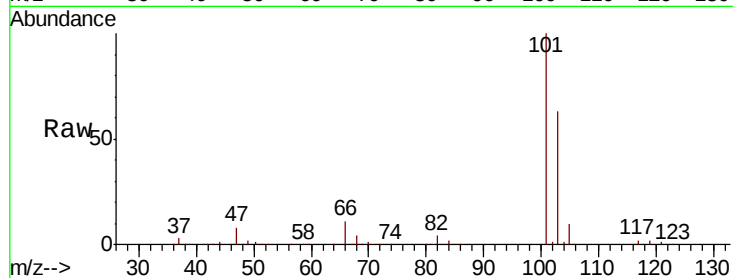
#7
 Trichlorofluoromethane
 Concen: 53.289 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion:101 Resp: 117075
 Ion Ratio Lower Upper
 101 100
 103 63.2 53.0 79.6

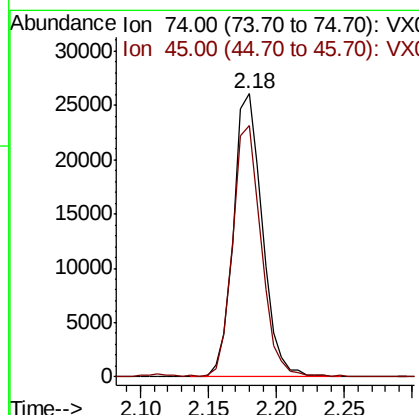
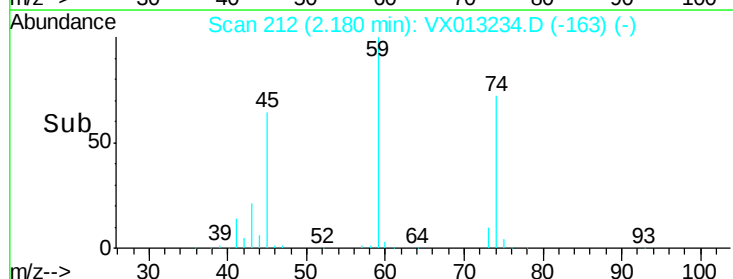
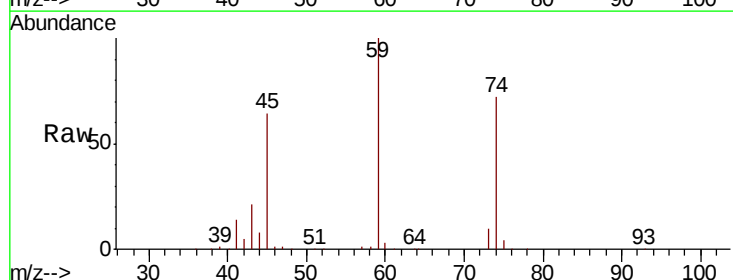
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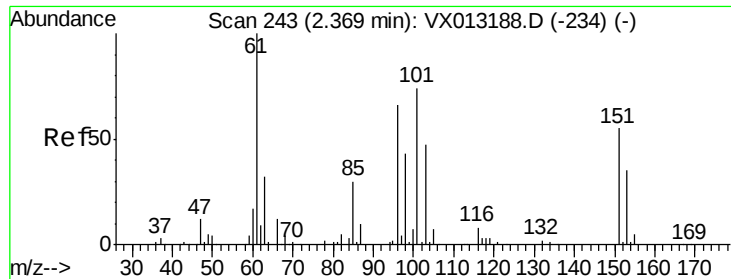
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 10/28/2019 12:53:02 PM



#8
 Diethyl Ether
 Concen: 51.160 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion: 74 Resp: 38535
 Ion Ratio Lower Upper
 74 100
 45 88.0 44.8 134.3





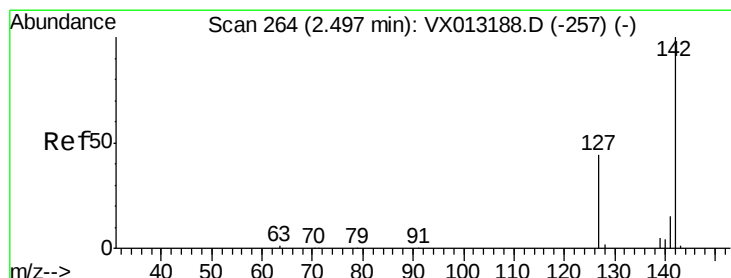
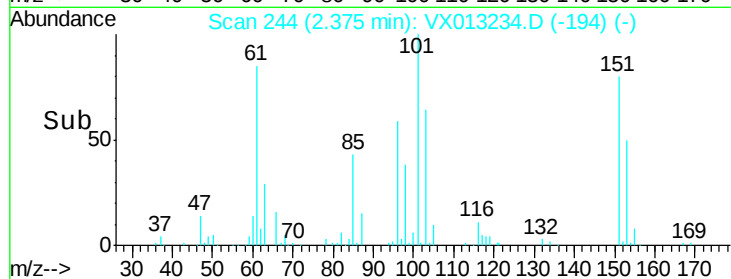
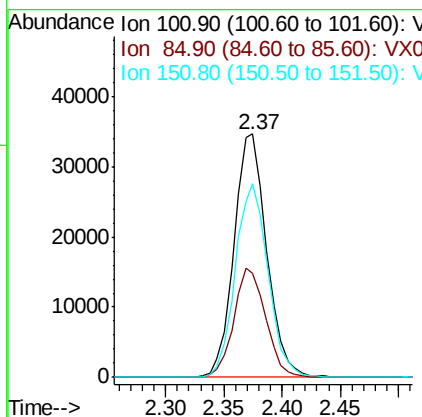
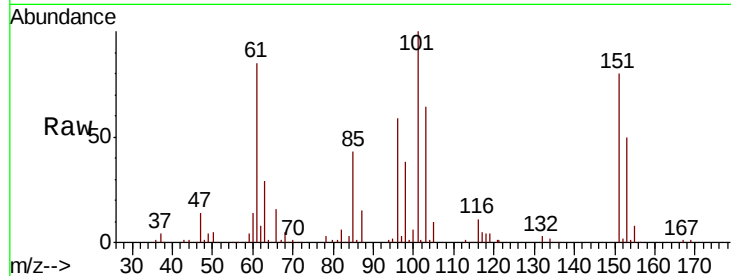
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.951 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.0	51.0
151	79.8	62.0	93.0

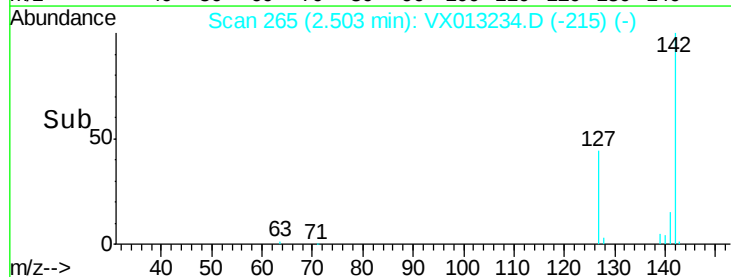
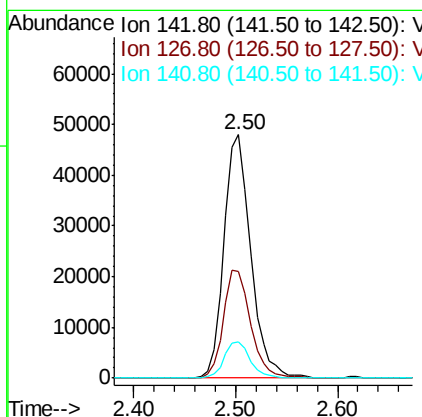
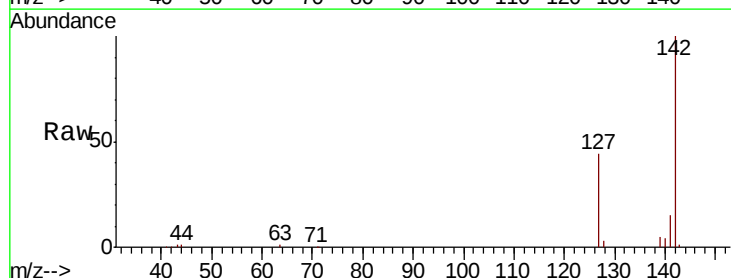
Manual Integrations
 APPROVED

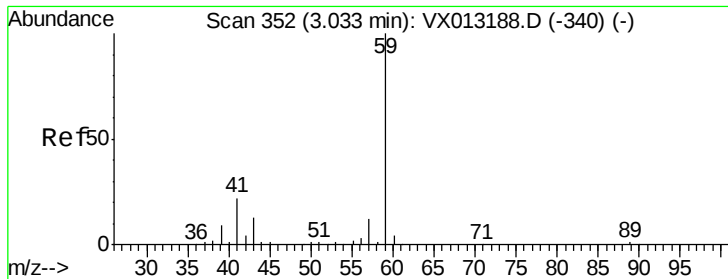
MMDadoda
 10/28/2019 12:53:02 PM



#10
 Methyl Iodide
 Concen: 51.159 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.6	53.4
141	14.7	11.6	17.4





#11

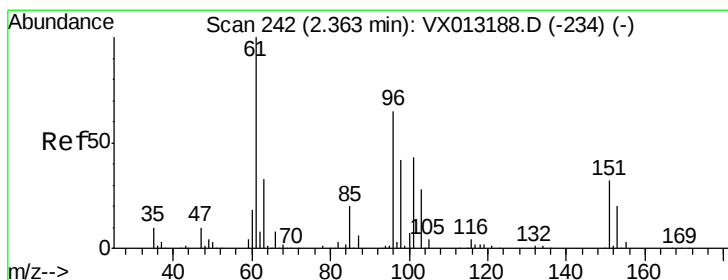
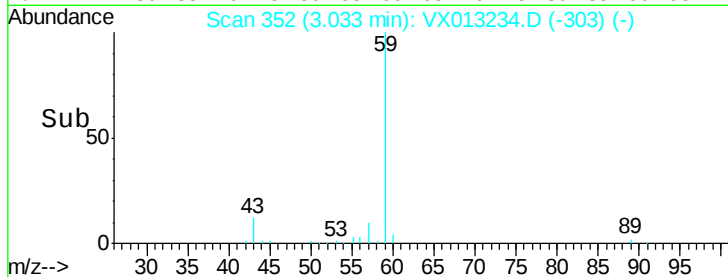
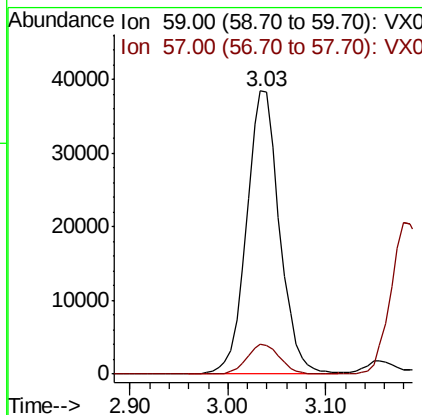
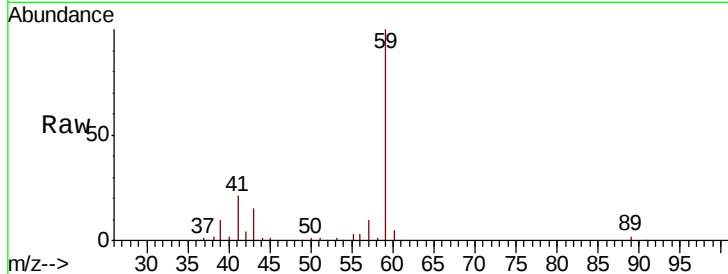
Tert butyl alcohol
Concen: 258.587 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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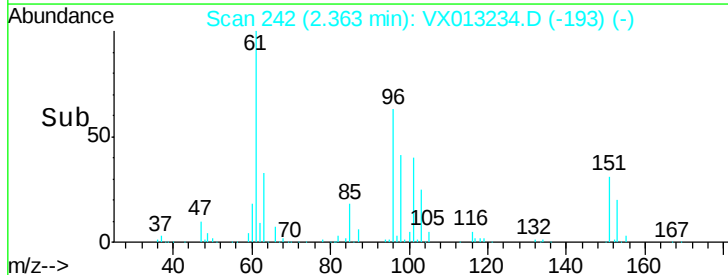
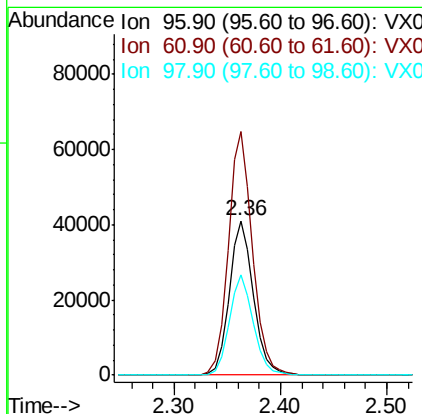
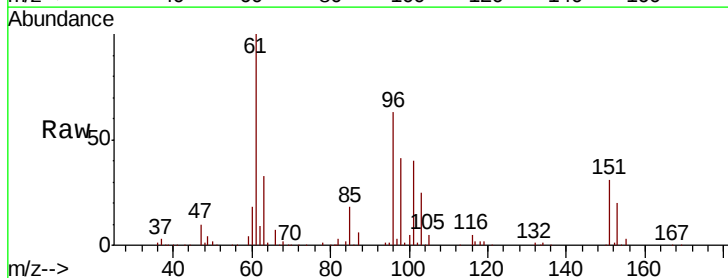
MMDadoda
10/28/2019 12:53:02 PM

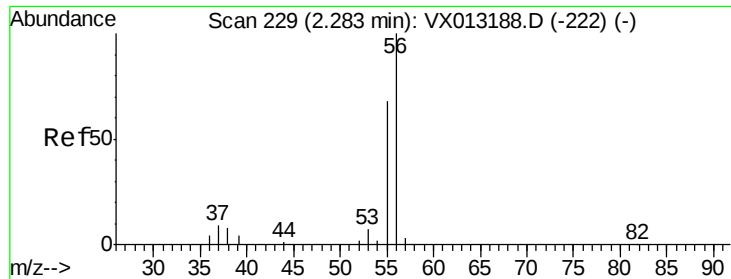


#12

1,1-Dichloroethene
Concen: 49.613 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	123.8	185.8
98	65.0	51.6	77.4





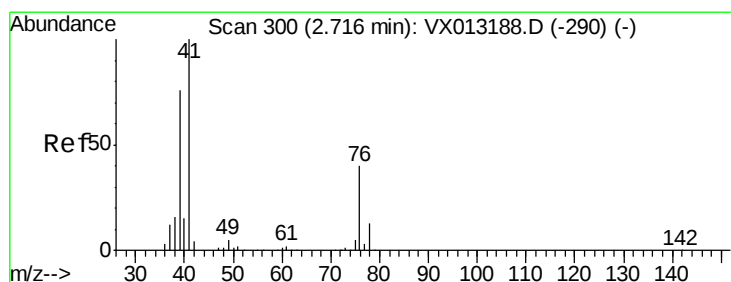
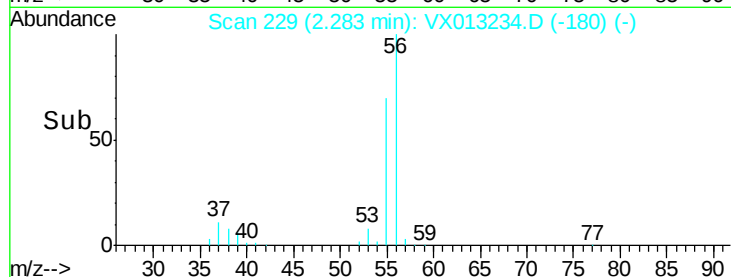
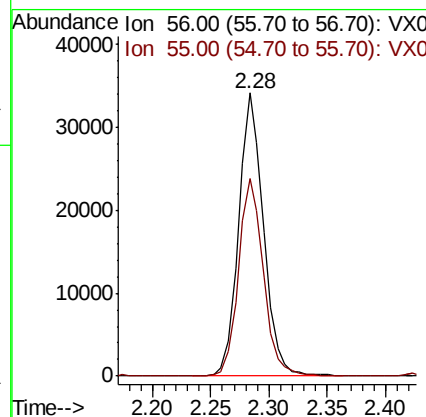
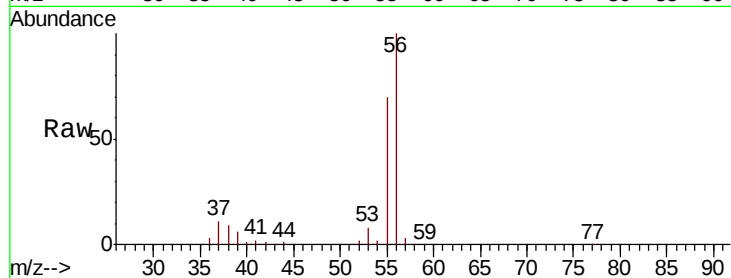
#13
Acrolein
Concen: 270.472 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	58.9	88.3

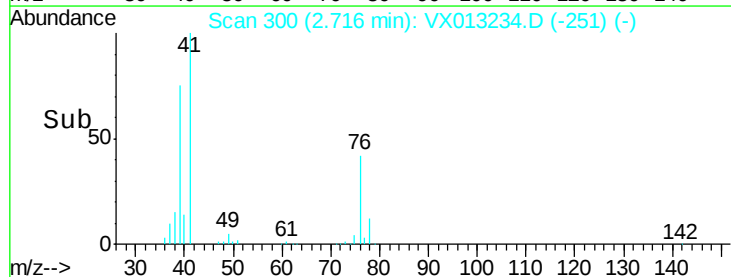
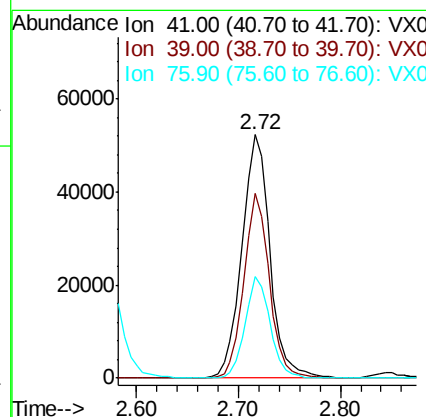
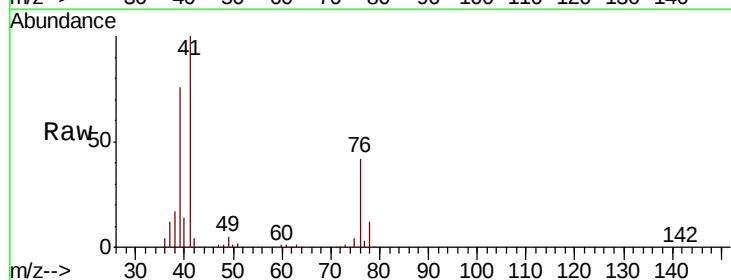
Manual Integrations
APPROVED

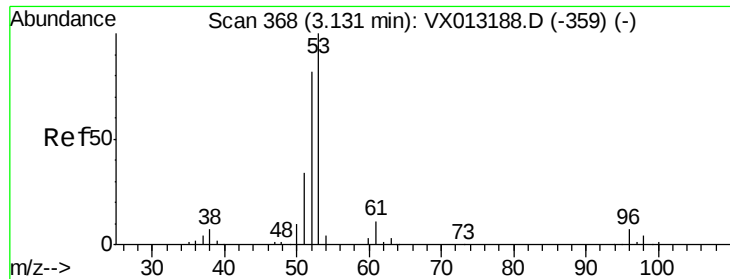
MMDadoda
10/28/2019 12:53:02 PM



#14
Allyl chloride
Concen: 48.568 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.0	54.6	81.8
76	37.3	29.8	44.6





#15

Acrylonitrile

Concen: 252.935 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

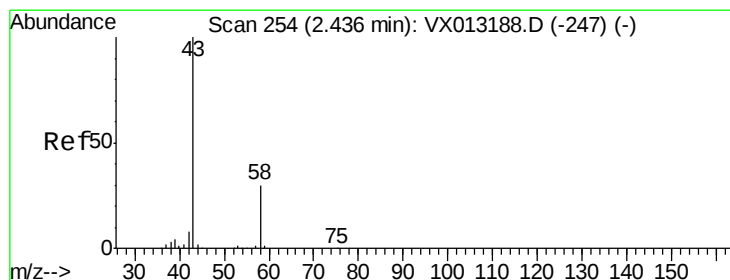
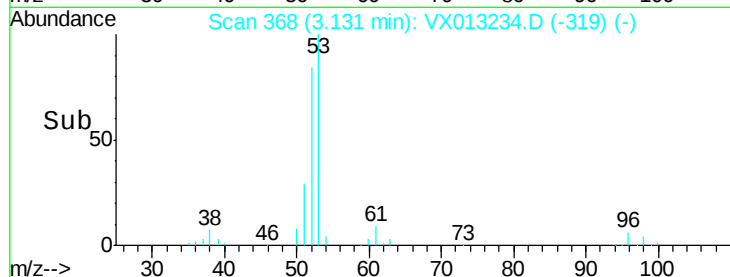
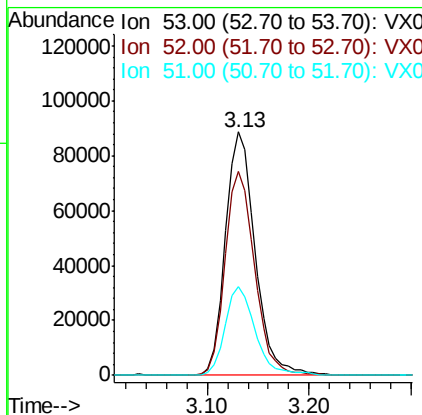
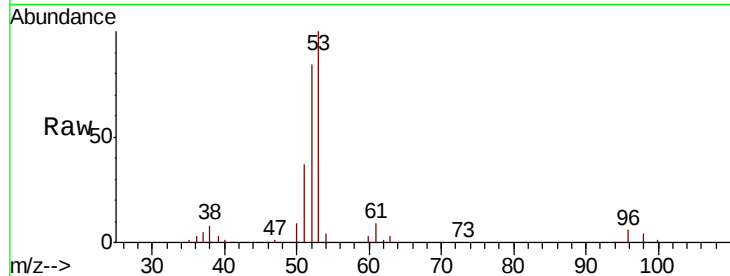
ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:	53	Resp:	178716
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.4	99.6
51	37.2	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 215.151 ug/l

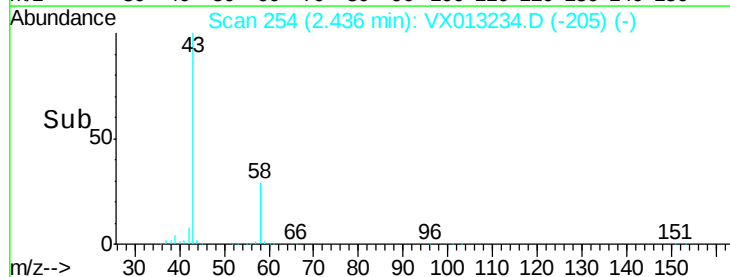
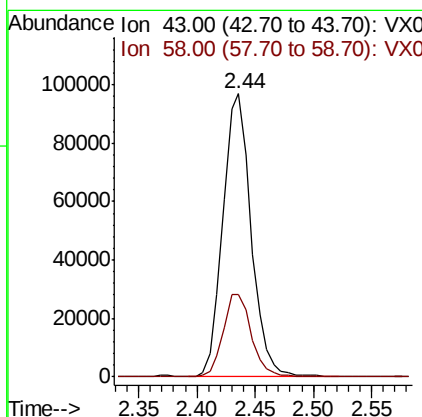
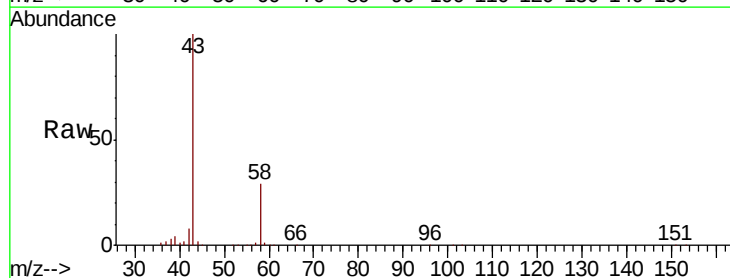
RT: 2.44 min Scan# 254

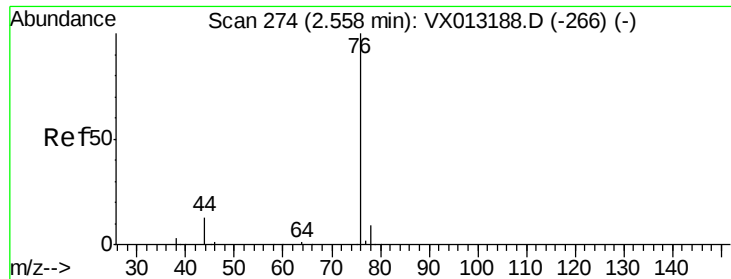
Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Tgt Ion:	43	Resp:	162484
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.8	35.6





#17

Carbon Disulfide

Concen: 45.732 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 76 Resp: 160522

Ion Ratio Lower Upper

76 100

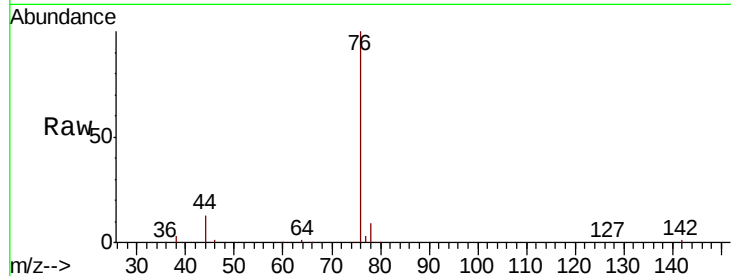
78 8.8 7.4 11.2

Manual Integrations

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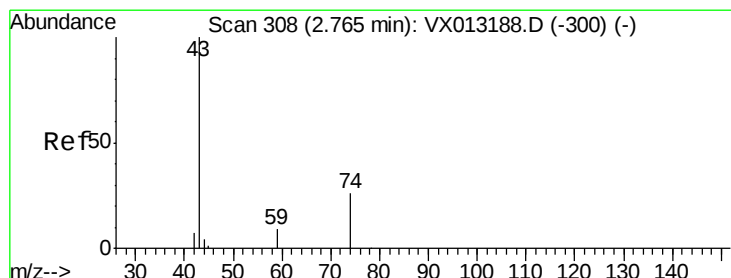
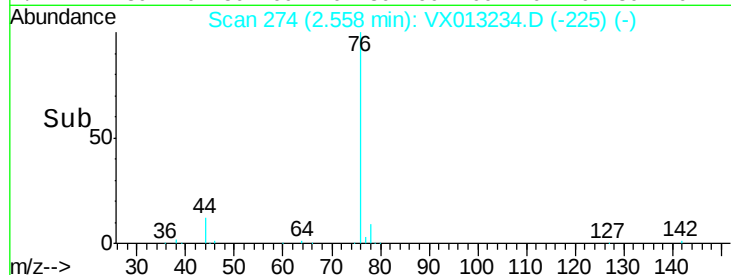
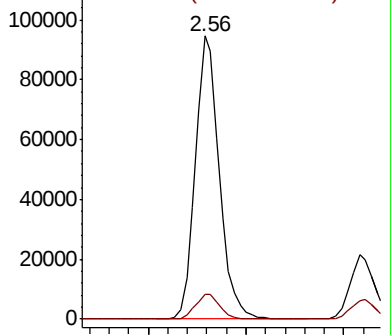
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.102 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013234.D

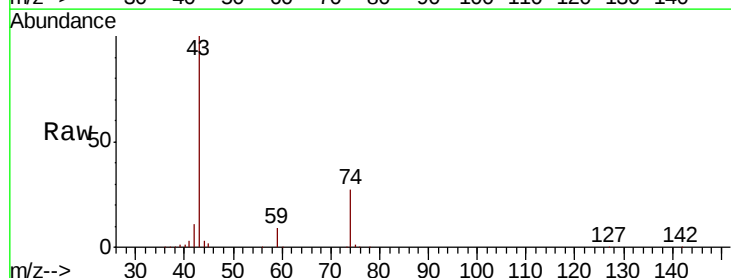
Acq: 25 Oct 2019 16:27

Tgt Ion: 43 Resp: 84305

Ion Ratio Lower Upper

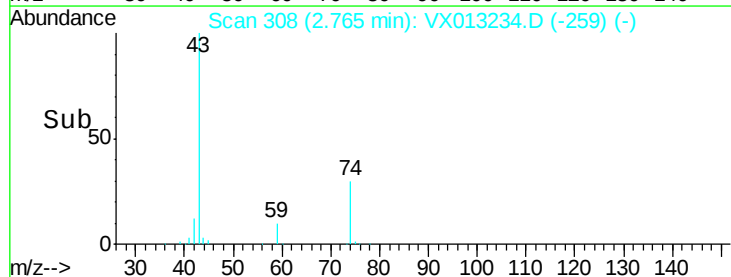
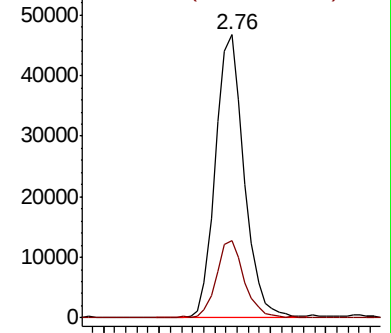
43 100

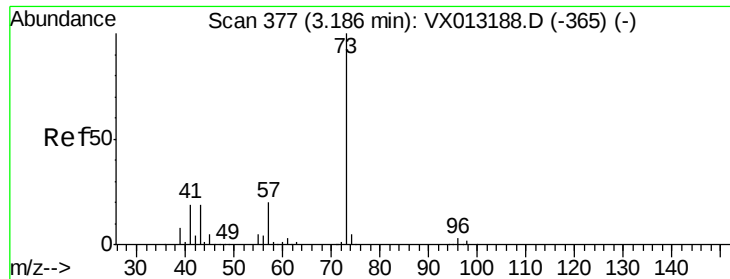
74 26.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





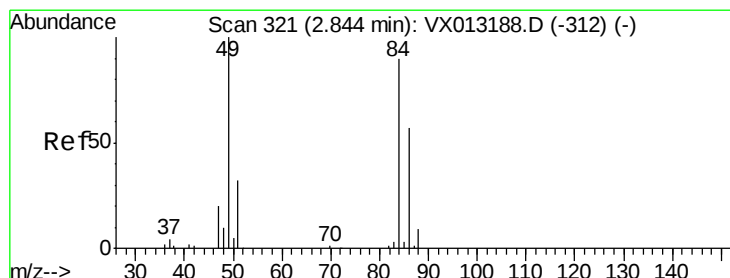
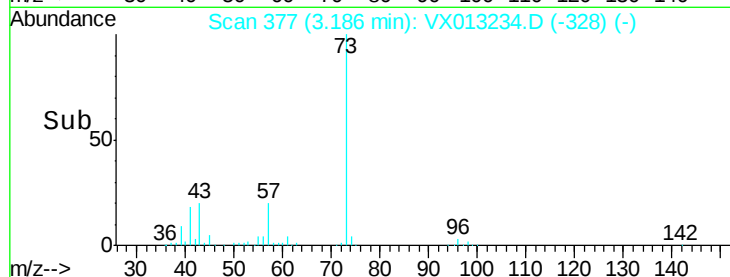
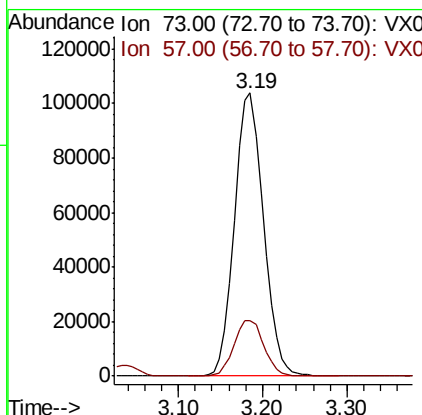
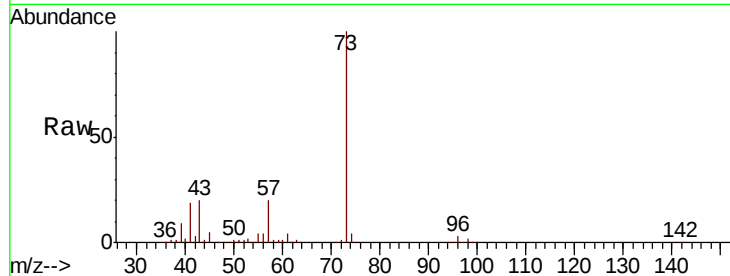
#19
Methvl tert-butvl Ether
Concen: 52.446 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	15.8	23.8

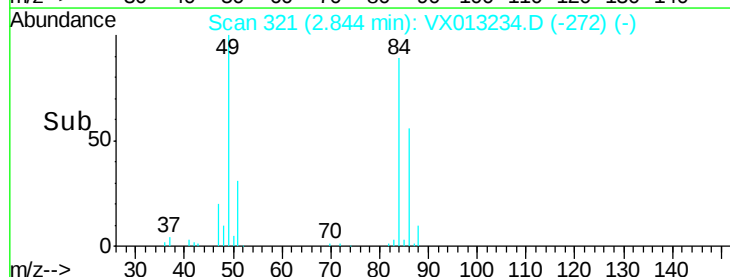
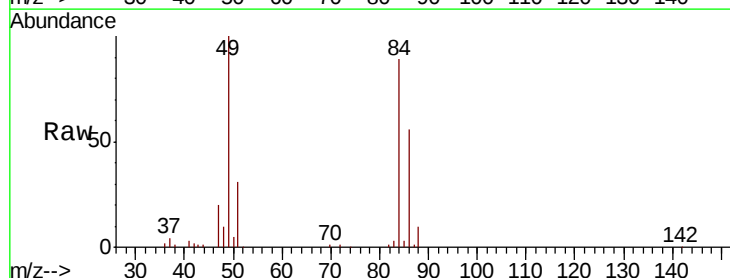
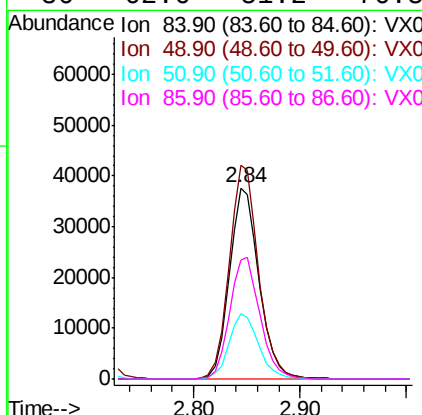
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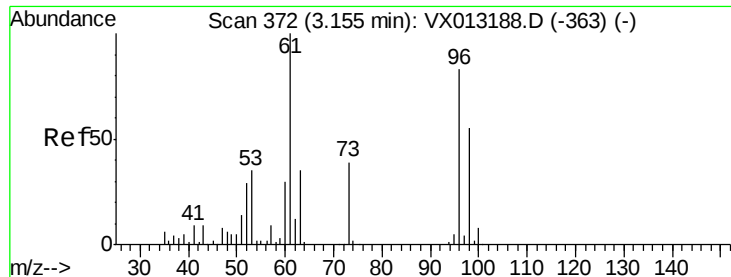
MMDadoda
10/28/2019 12:53:02 PM



#20
Methylene Chloride
Concen: 51.615 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.8	89.2	133.8
51	34.2	28.8	43.2
86	62.6	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 51.242 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

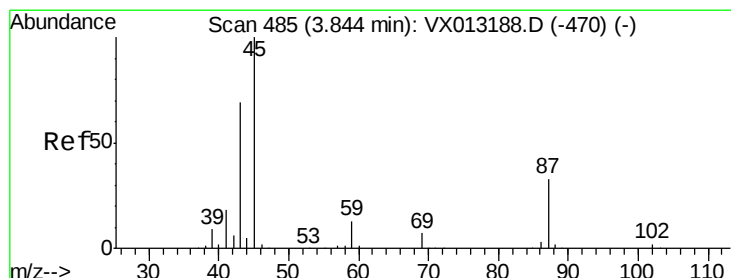
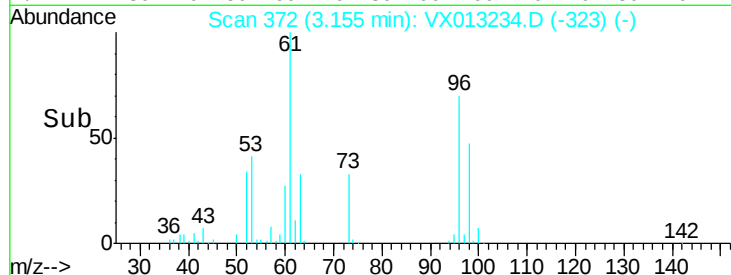
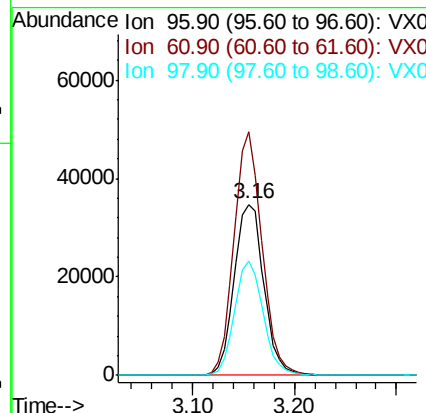
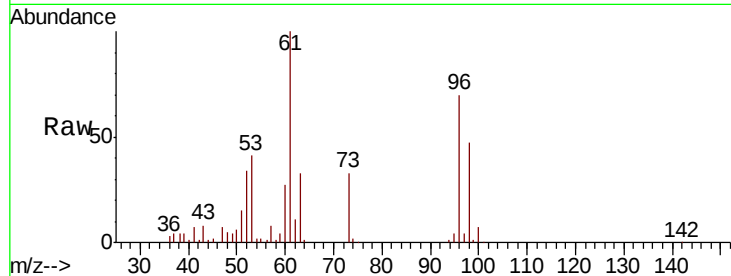
ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:	96	Resp:	69626
Ion	Ratio	Lower	Upper
96	100		
61	142.6	96.9	145.3
98	67.1	53.0	79.4

Manual Integrations
APPROVED

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10/28/2019 12:53:02 PM



#22

Diisopropyl ether

Concen: 50.466 ug/l

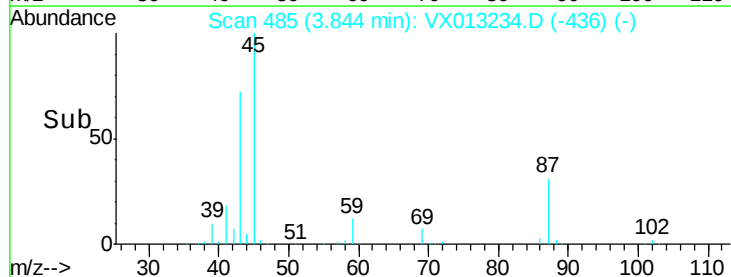
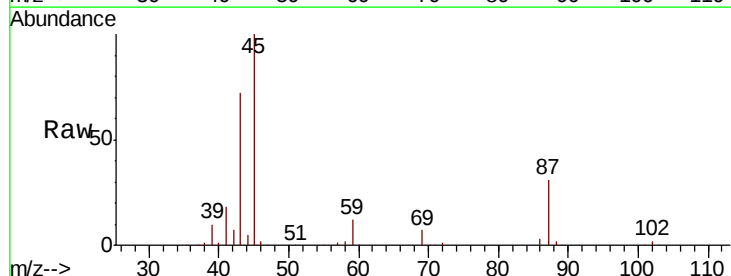
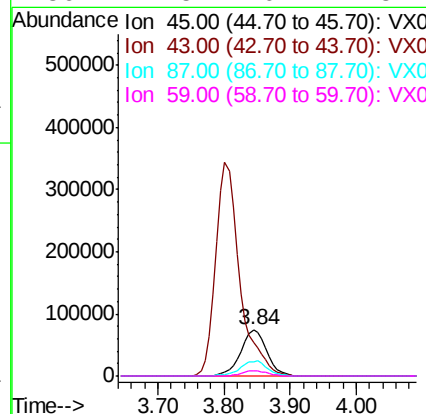
RT: 3.84 min Scan# 485

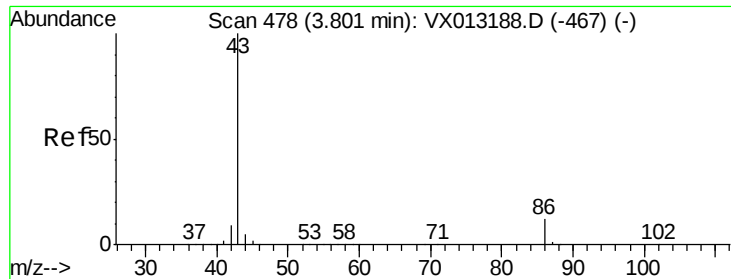
Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Tgt Ion:	45	Resp:	202820
Ion	Ratio	Lower	Upper
45	100		
43	71.2	55.5	83.3
87	31.1	26.7	40.1
59	12.5	10.2	15.2





#23

Vinyl Acetate

Concen: 254.919 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 43 Resp: 870788

Ion Ratio Lower Upper

43 100

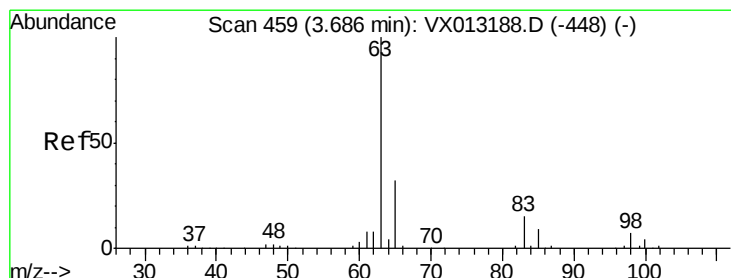
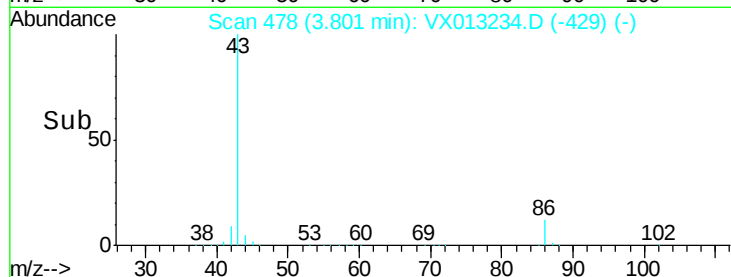
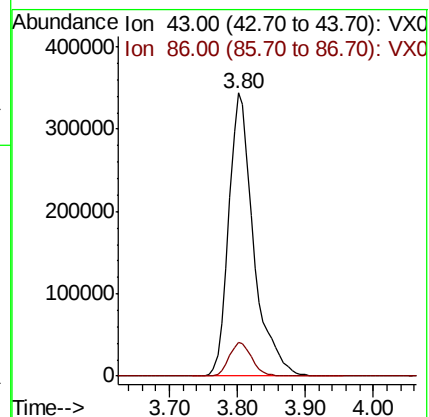
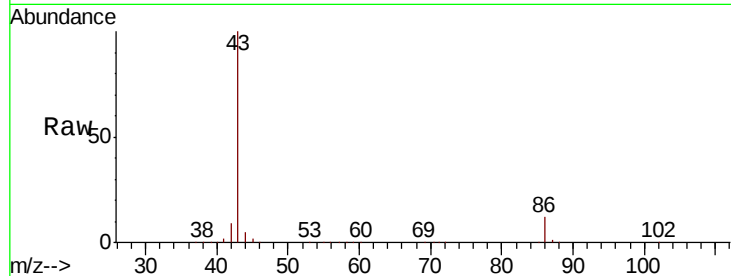
86 11.8 9.7 14.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.058 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

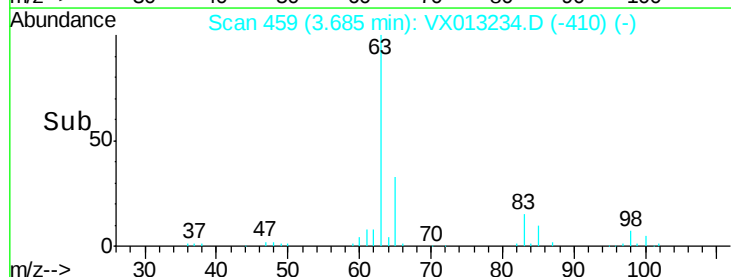
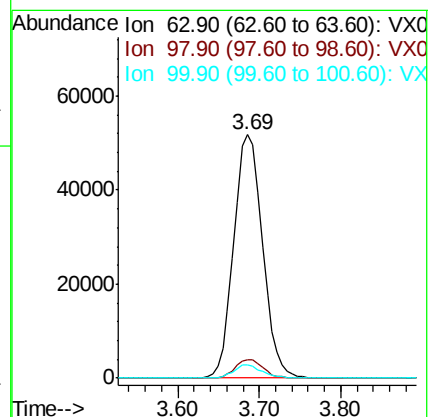
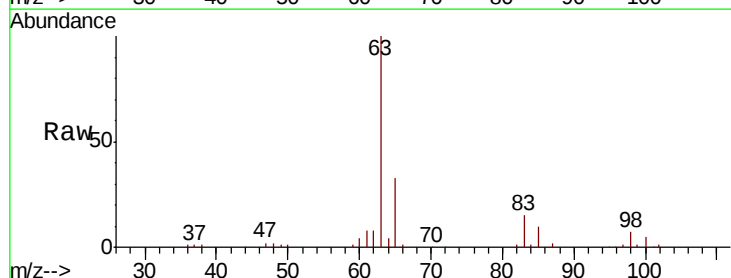
Tgt Ion: 63 Resp: 126216

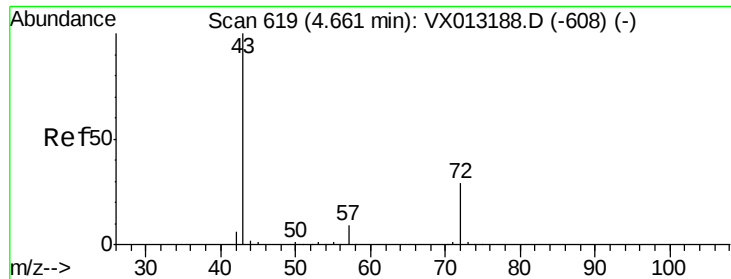
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 5.2 2.2 6.6





#25

2-Butanone

Concen: 239.621 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 43 Resp: 242691

Ion Ratio Lower Upper

43 100

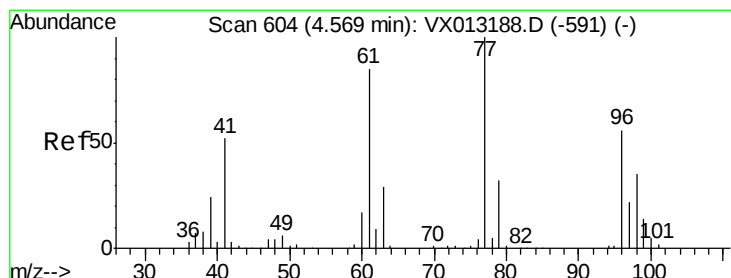
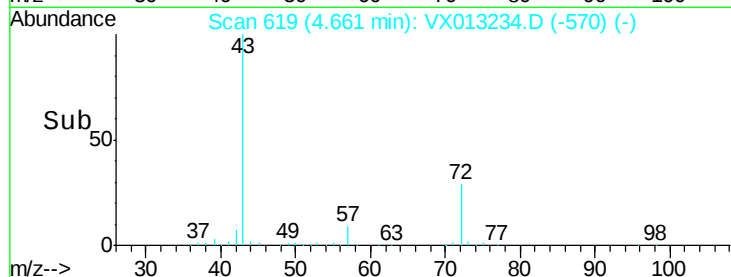
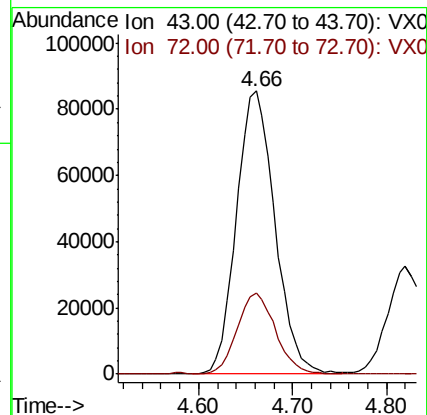
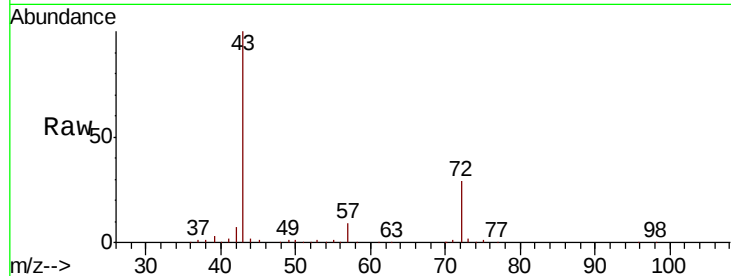
72 28.5 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.320 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013234.D

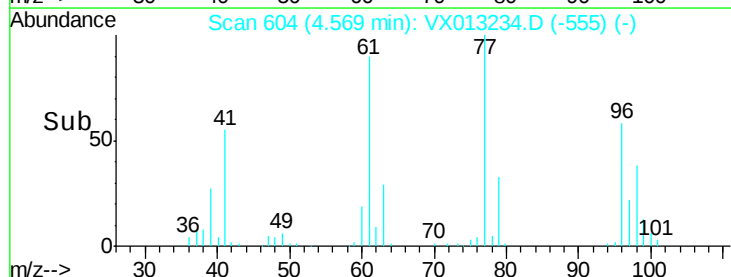
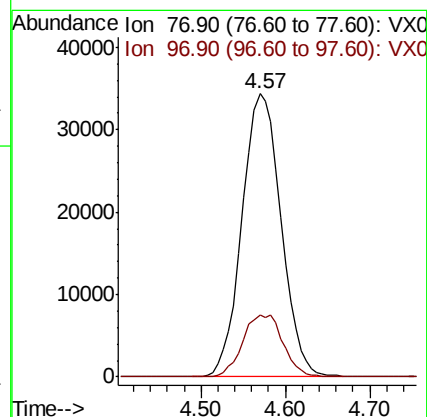
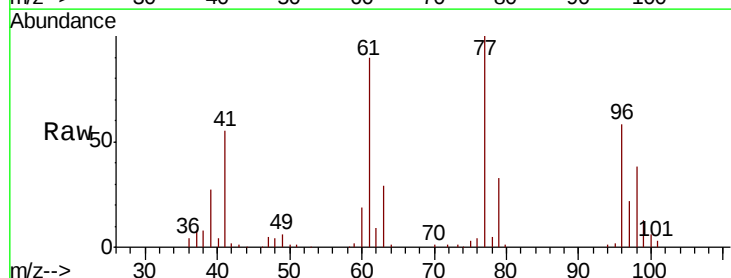
Acq: 25 Oct 2019 16:27

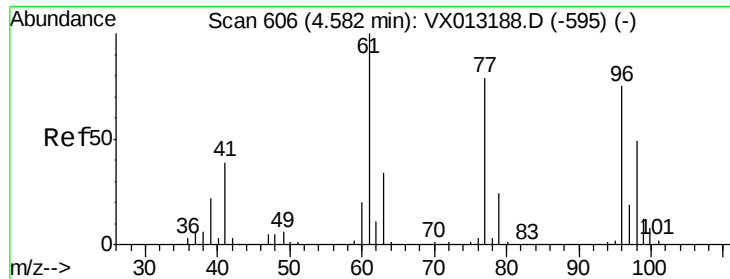
Tgt Ion: 77 Resp: 108108

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.6





#27

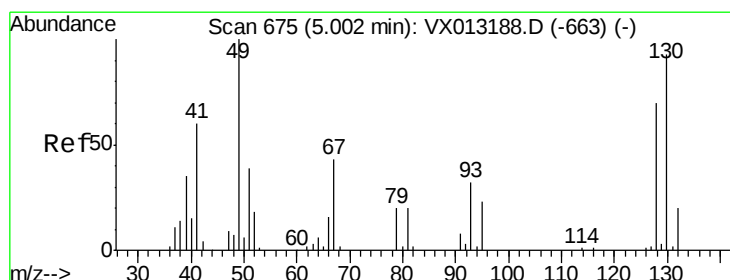
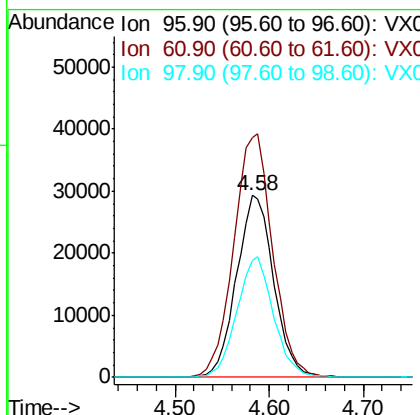
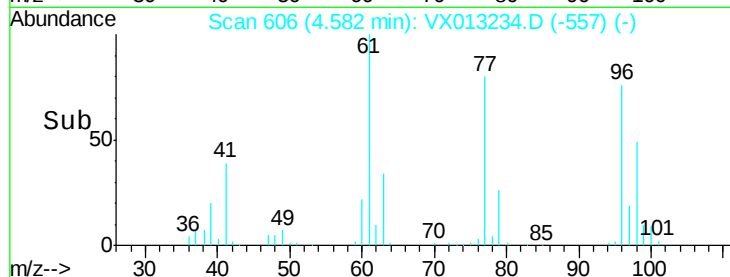
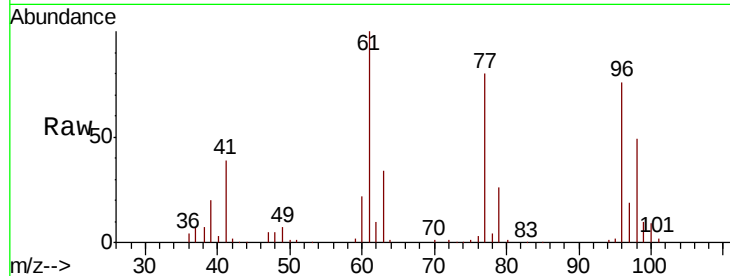
cis-1,2-Dichloroethene
Concen: 50.485 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	290.4
98	65.2	0.0	130.4

Manual Integrations
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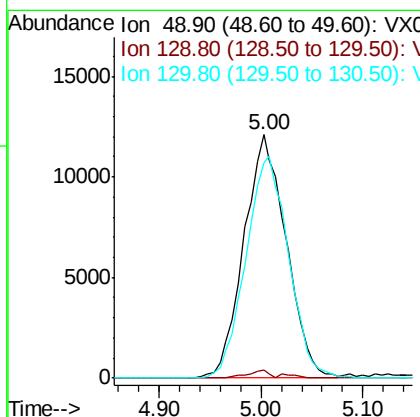
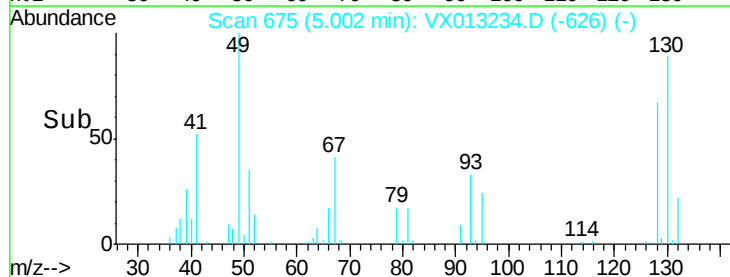
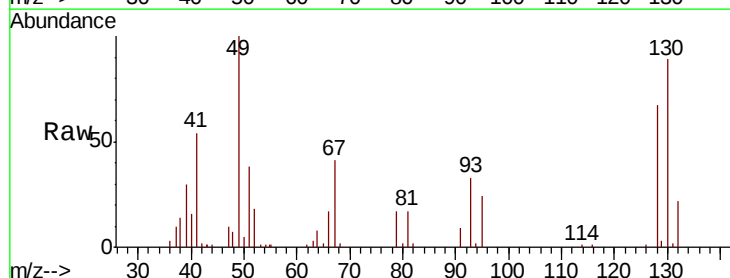
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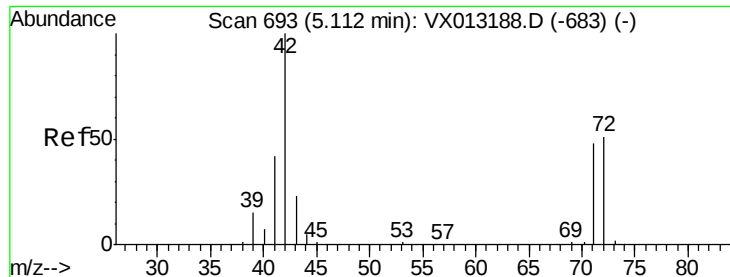


#28

Bromochloromethane
Concen: 54.562 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.8
130	92.0	71.8	107.8





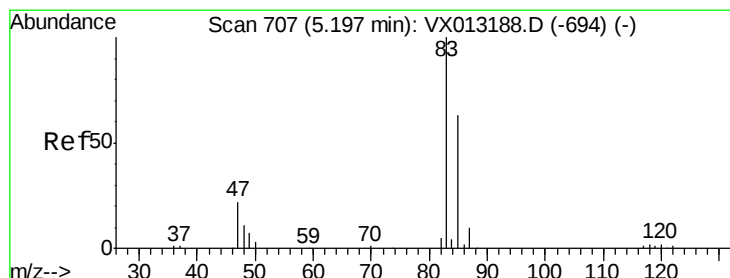
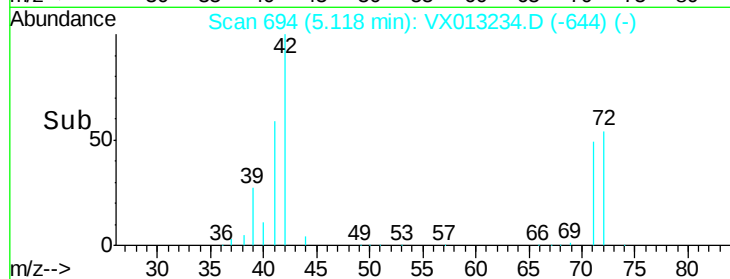
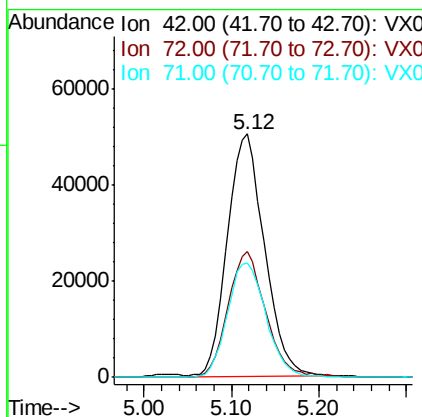
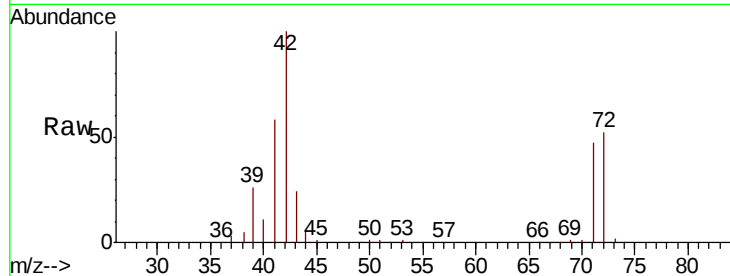
#29
Tetrahydrofuran
Concen: 244.777 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.7	40.9	61.3
71	48.9	38.6	57.8

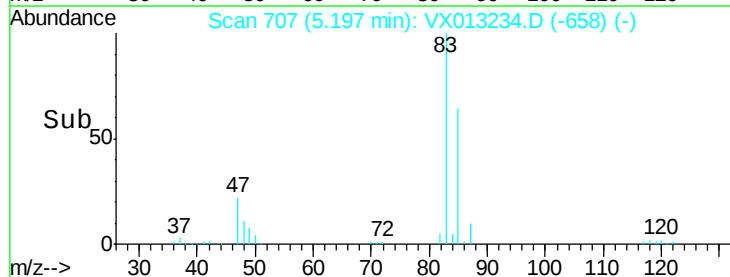
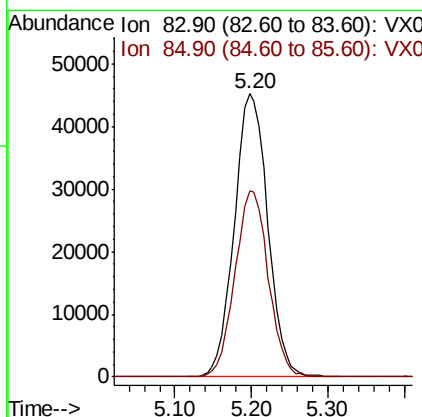
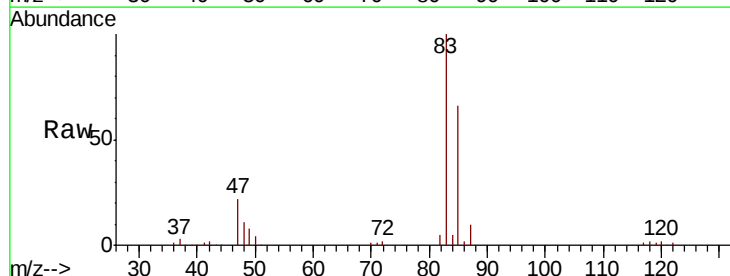
Manual Integrations
APPROVED

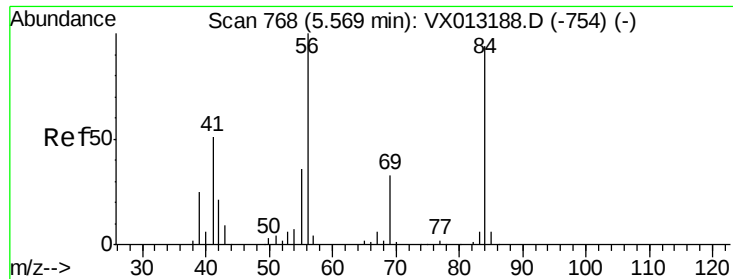
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#30
Chloroform
Concen: 52.138 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.1	75.1





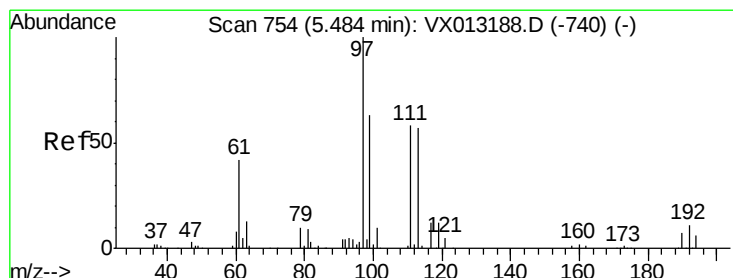
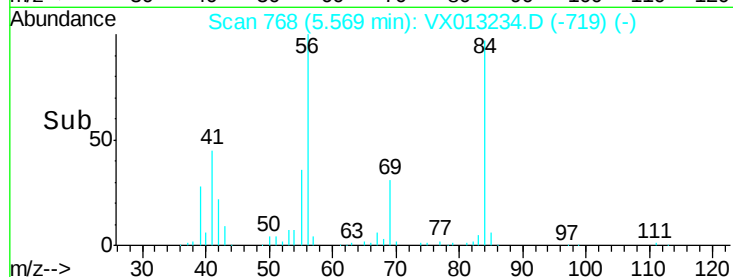
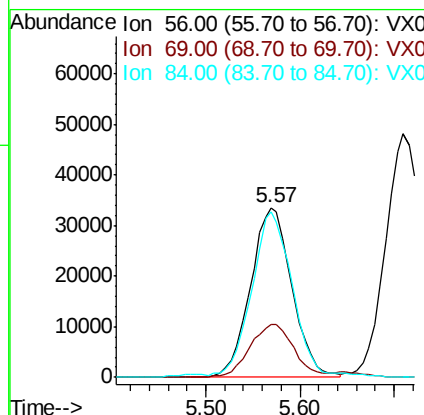
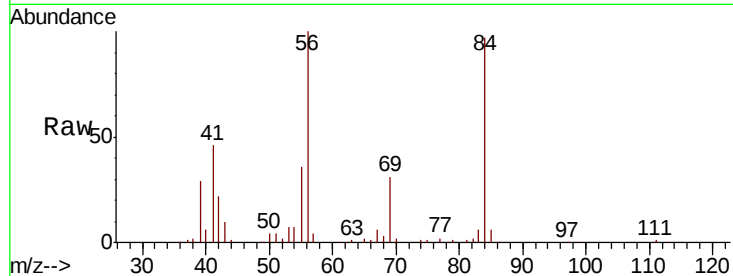
#31
Cyclohexane
Concen: 49.671 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	26.3	39.5
84	95.4	73.8	110.6

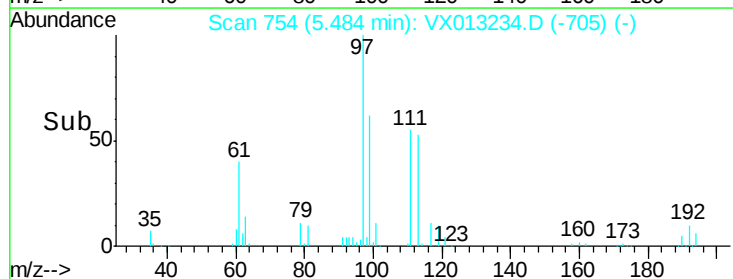
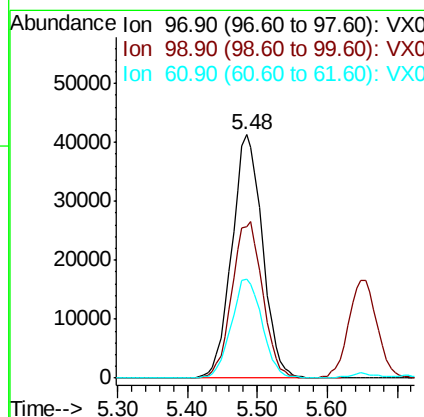
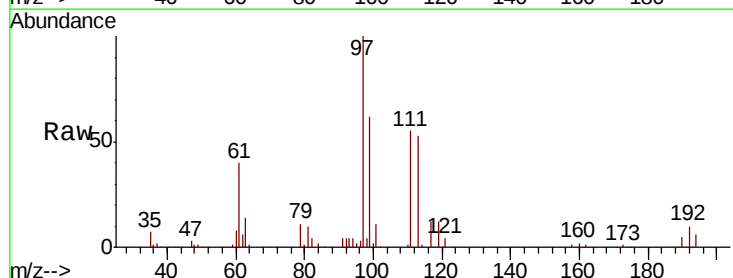
Manual Integrations
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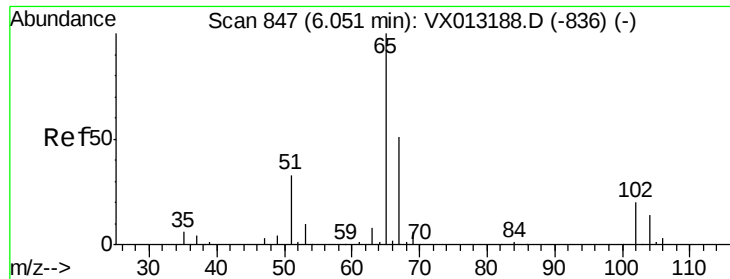
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#32
1,1,1-Trichloroethane
Concen: 53.474 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	41.2	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 51.330 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 65 Resp: 82282

Ion Ratio Lower Upper

65 100

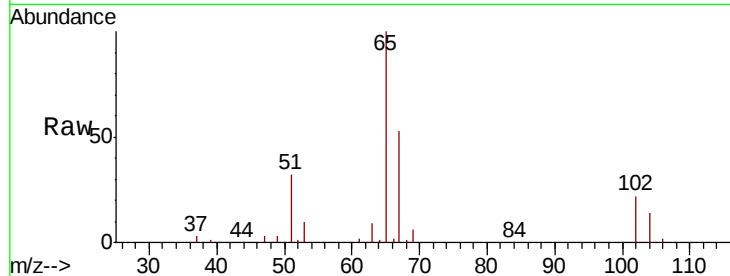
67 49.5 0.0 102.6

Manual Integrations

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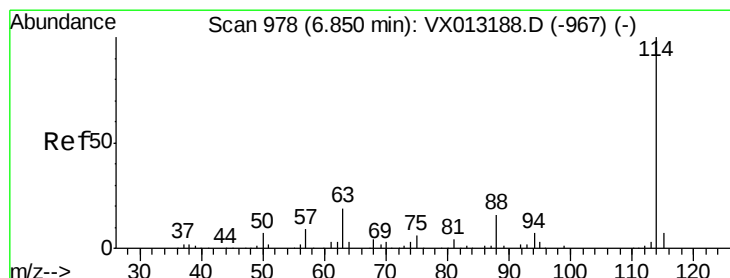
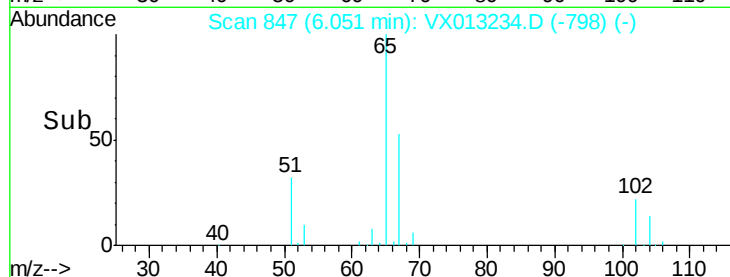
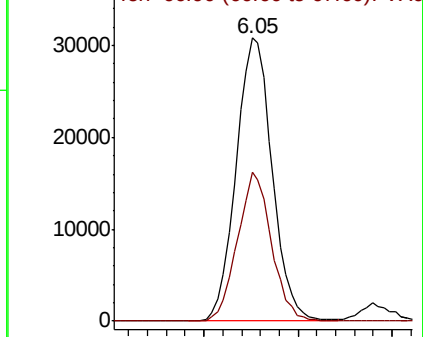
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

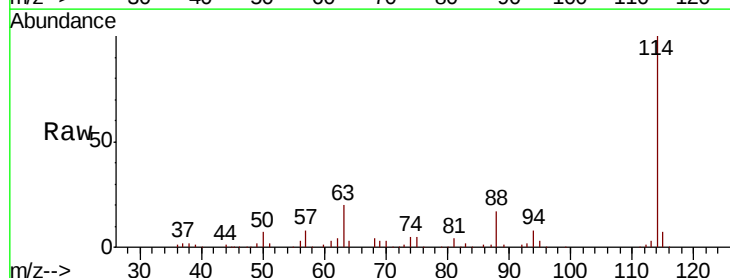
Tgt Ion: 114 Resp: 110733

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

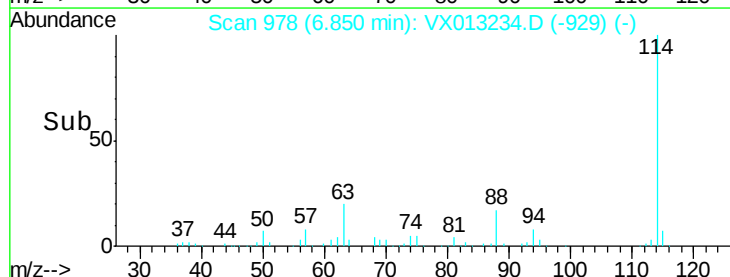
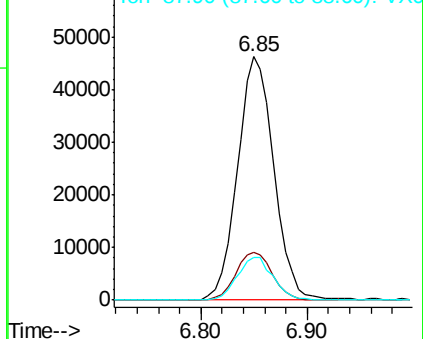
88 17.3 0.0 32.0

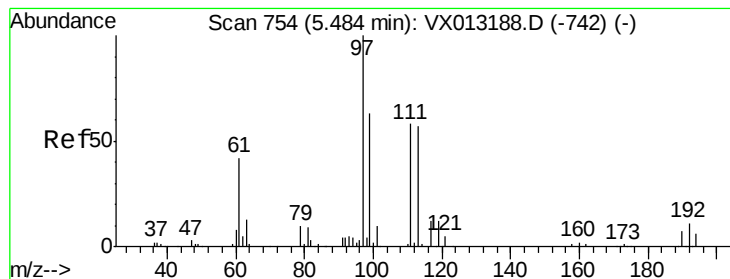


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.334 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

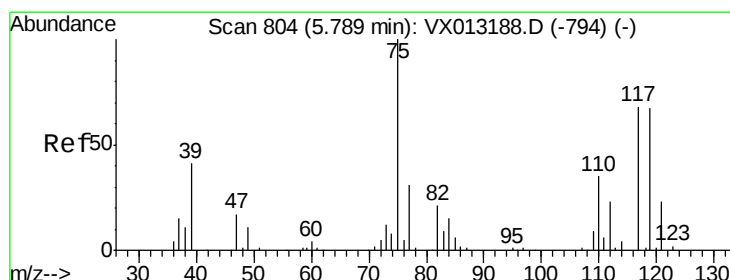
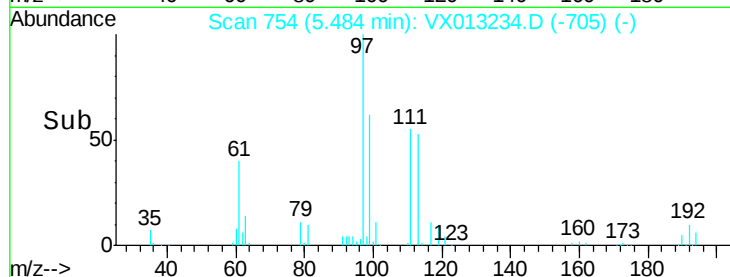
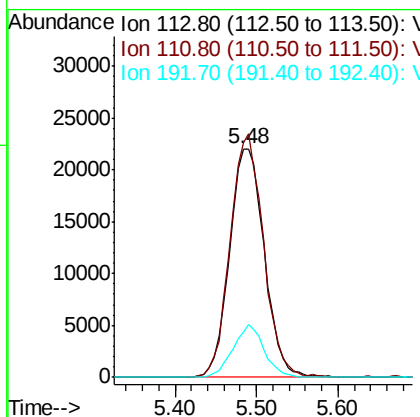
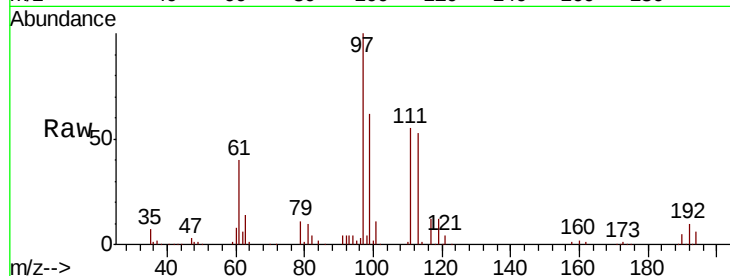
ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:	113	Resp:	64624
Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.3	120.5
192	20.7	15.9	23.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.480 ug/l

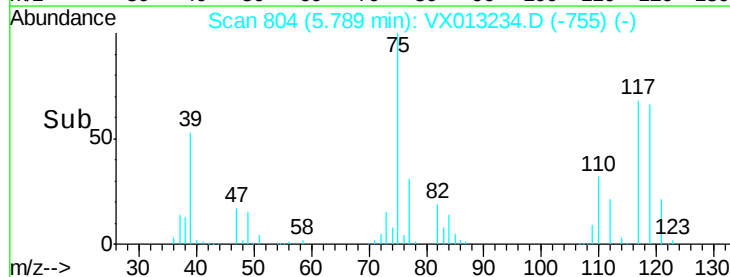
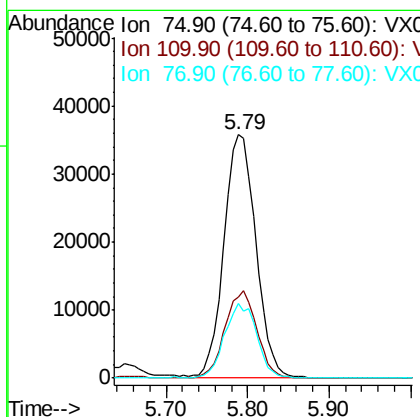
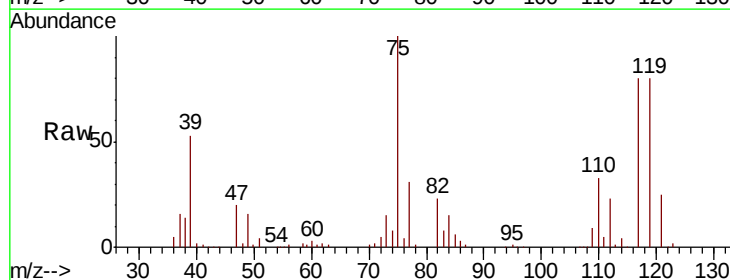
RT: 5.79 min Scan# 804

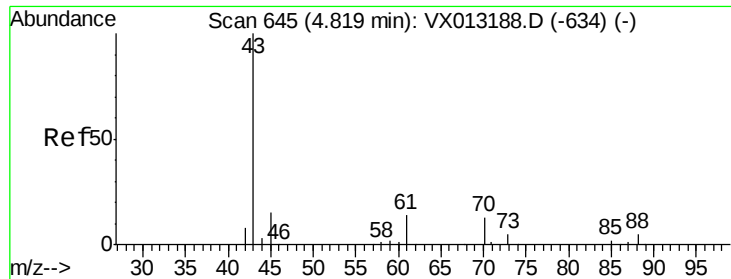
Delta R.T. 0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Tgt Ion:	75	Resp:	97269
Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	30.8	24.7	37.1





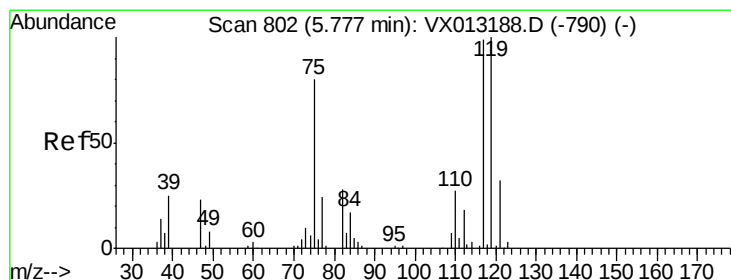
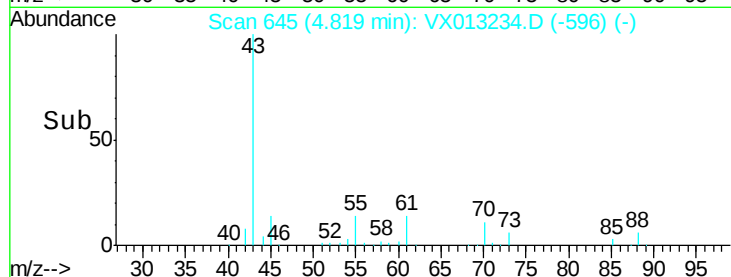
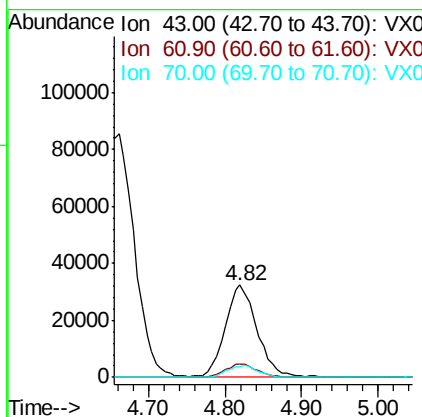
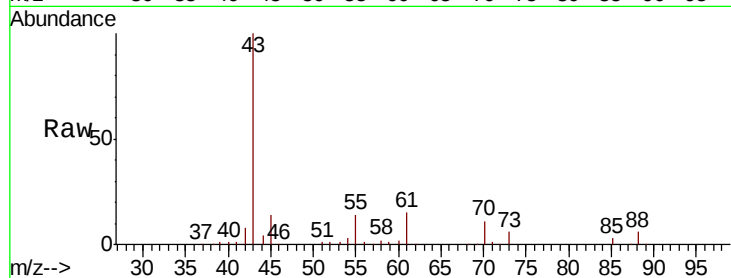
#37
Ethyl Acetate
Concen: 50.191 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	12.5	10.4	15.6

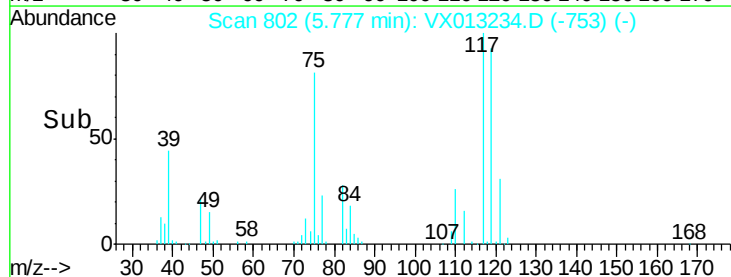
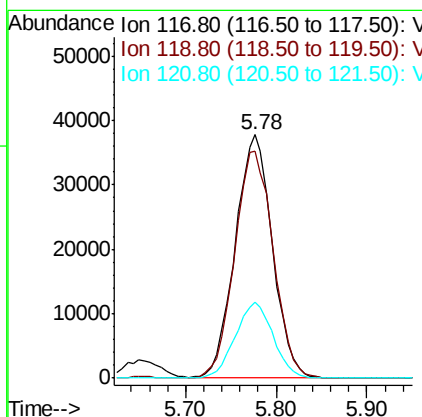
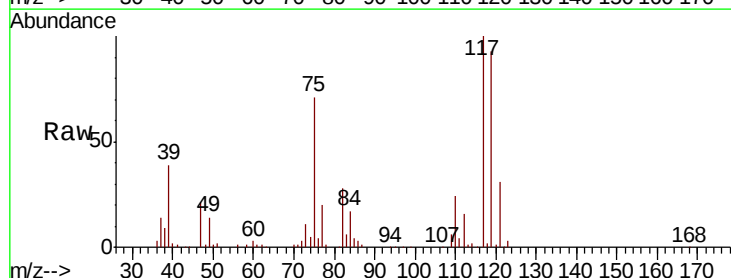
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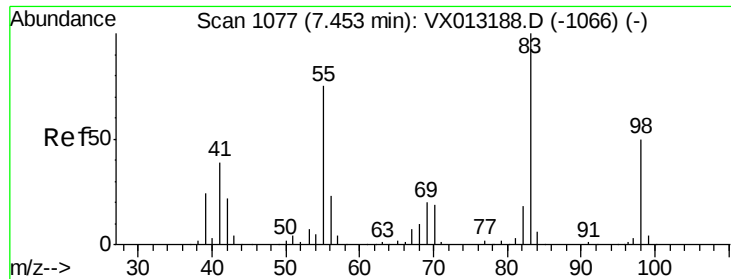
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#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	80.1	120.1
121	31.3	25.5	38.3





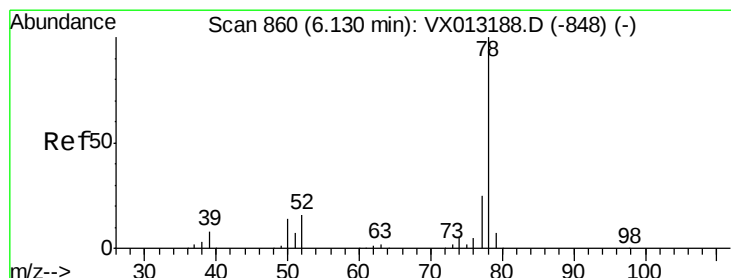
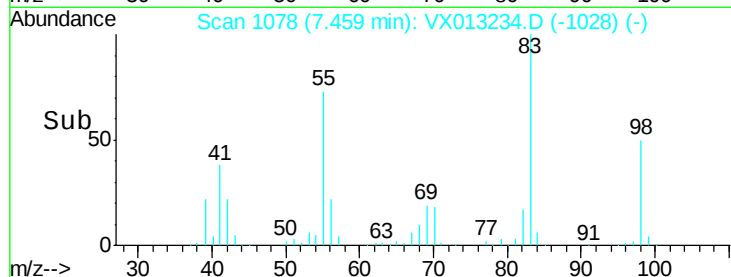
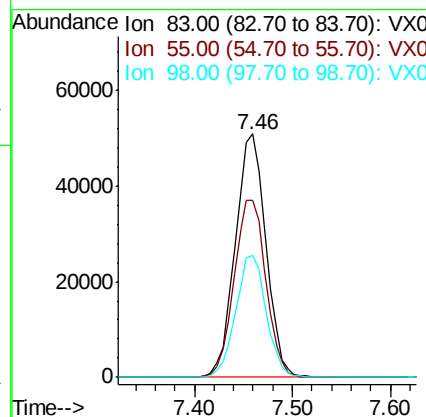
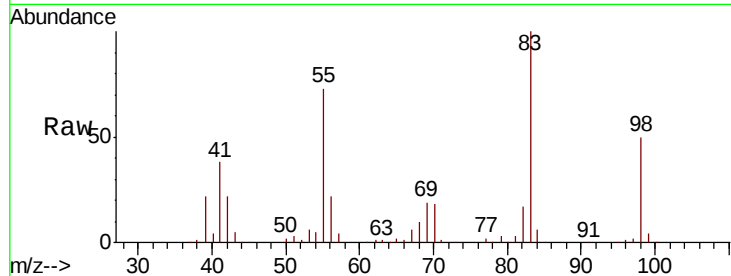
#39
Methvlcvclohexane
Concen: 46.590 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	60.1	90.1
98	50.3	39.8	59.8

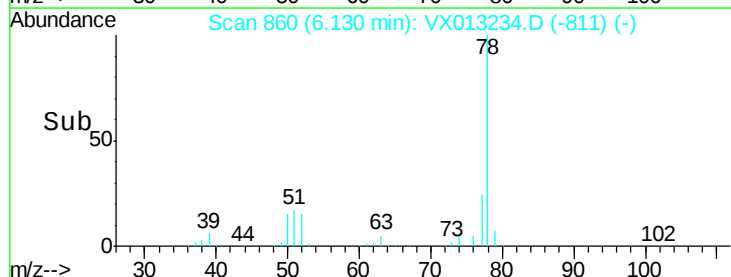
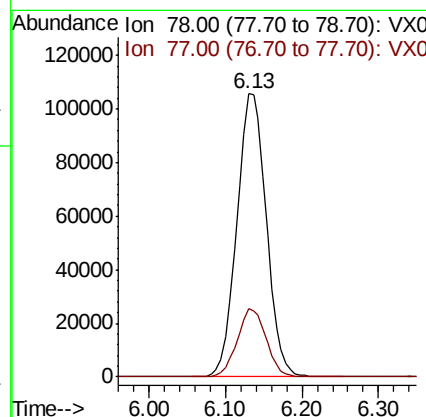
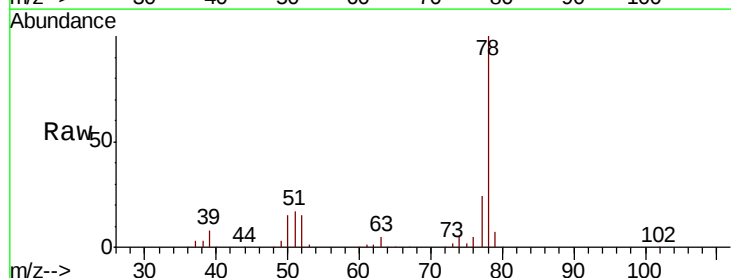
Manual Integrations
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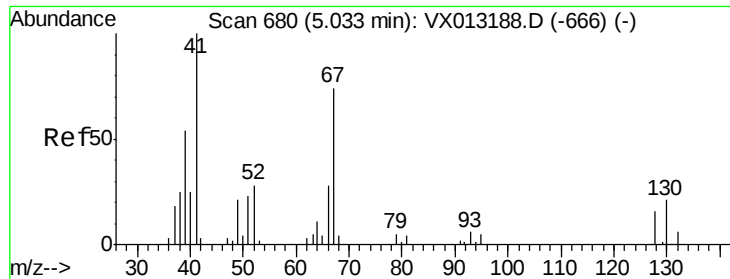
MMDadoda
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#40
Benzene
Concen: 50.674 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4





#41

Methacrylonitrile

Concen: 51.986 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

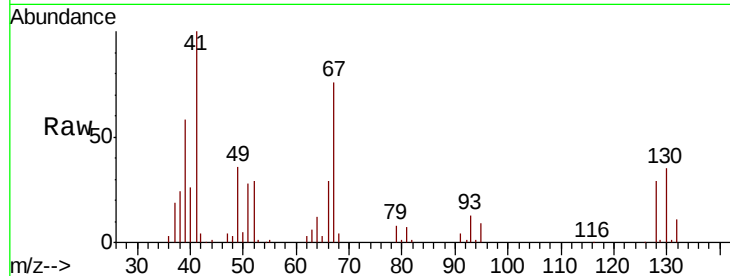
ClientSampleId :

GW809-8.0-13.0-102419MSD

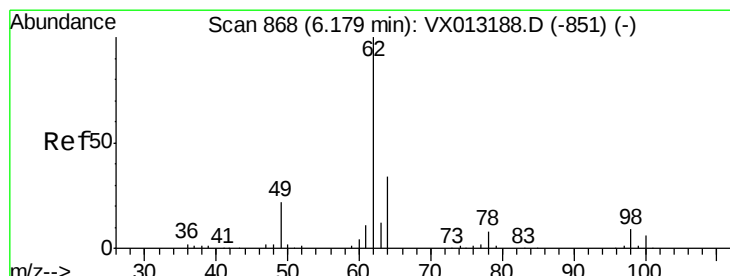
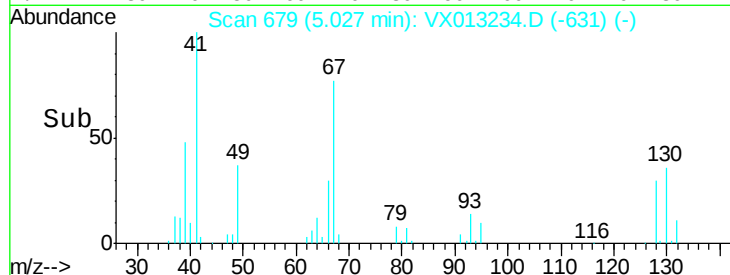
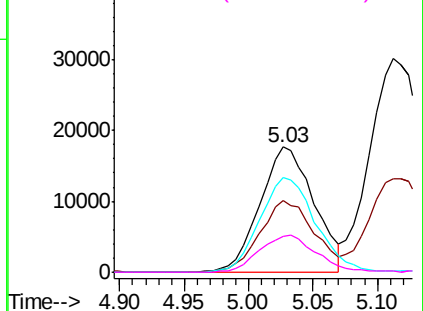
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	45.2	67.8	
67	78.5	61.3	91.9	
52	31.4	25.1	37.7	

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 54.246 ug/l

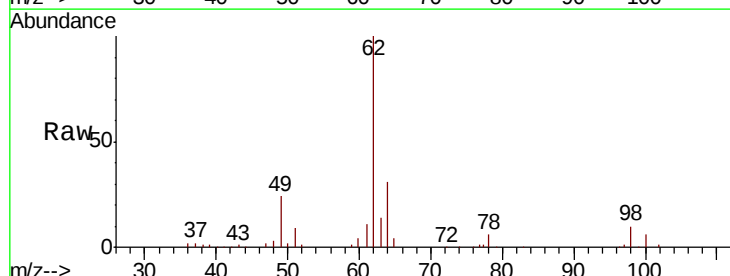
RT: 6.19 min Scan# 869

Delta R.T. 0.01 min

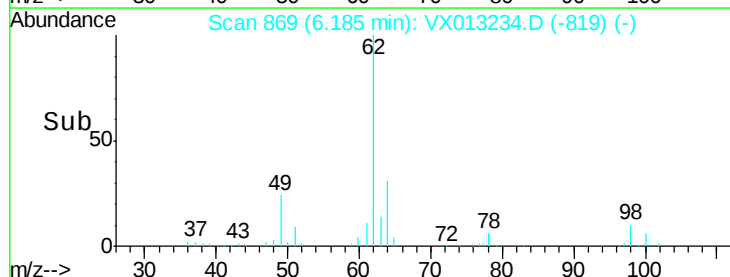
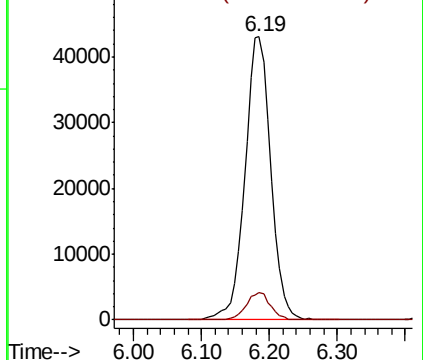
Lab File: VX013234.D

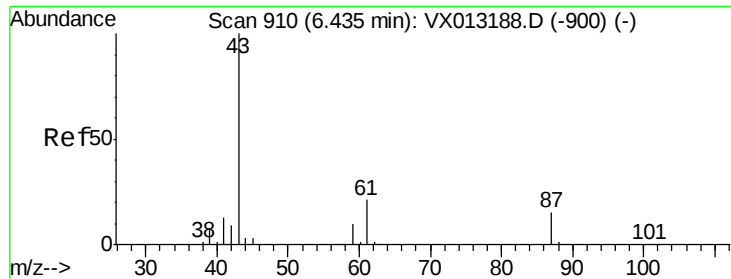
Acq: 25 Oct 2019 16:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.4	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.348 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

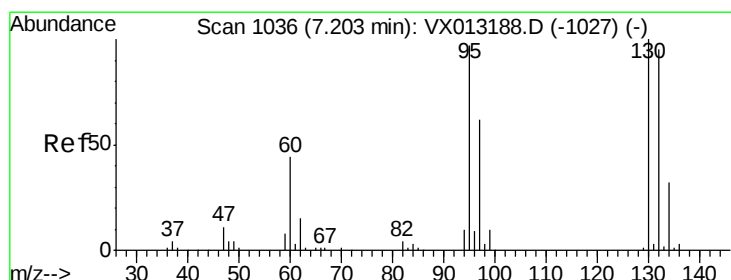
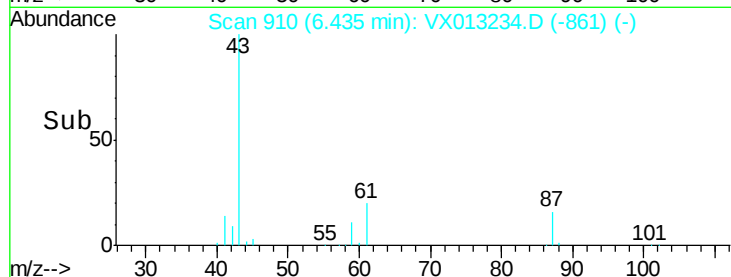
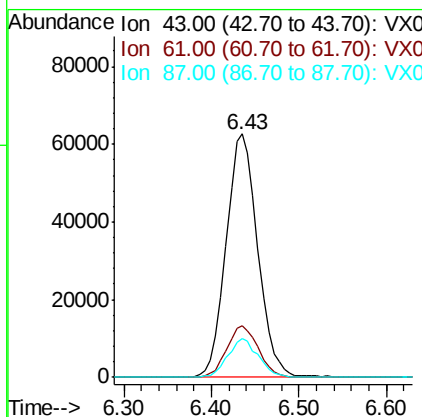
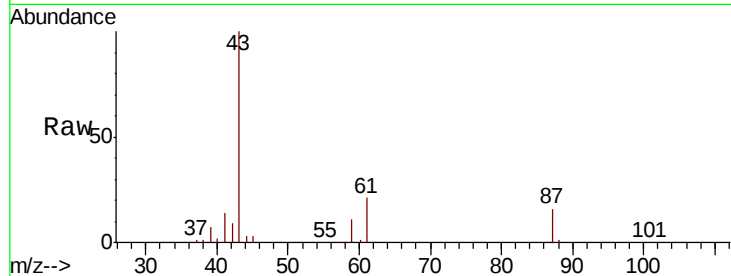
ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:	43	Resp:	157317
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	15.5	12.1	18.1

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#44

Trichloroethene

Concen: 50.382 ug/l

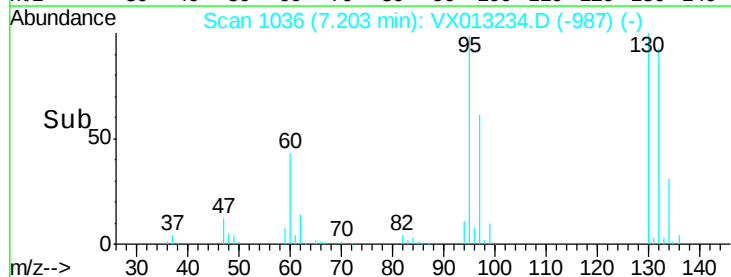
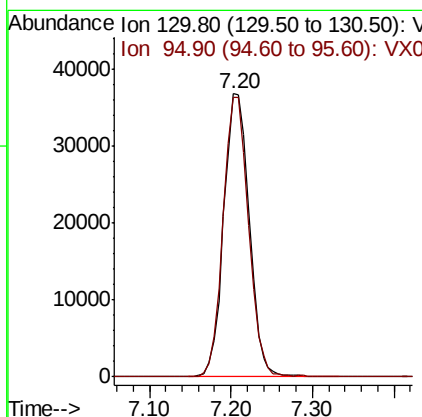
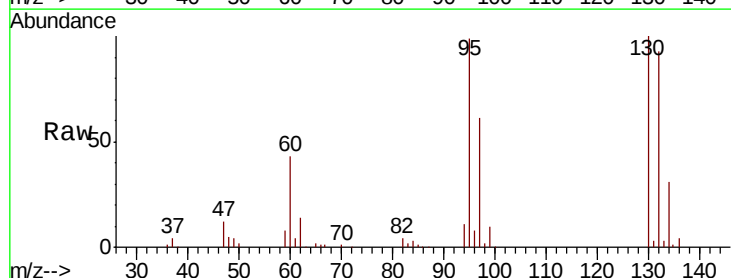
RT: 7.20 min Scan# 1036

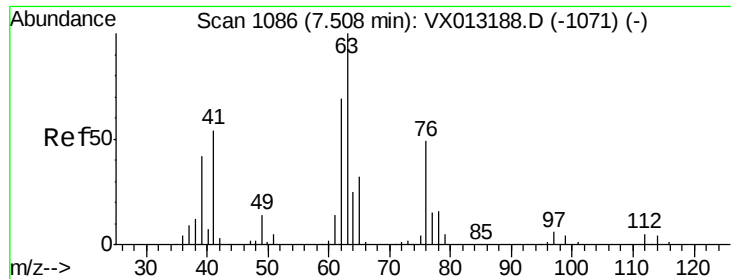
Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Tgt Ion:	130	Resp:	79532
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	193.6





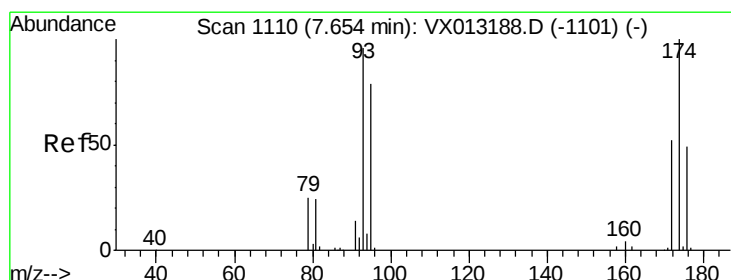
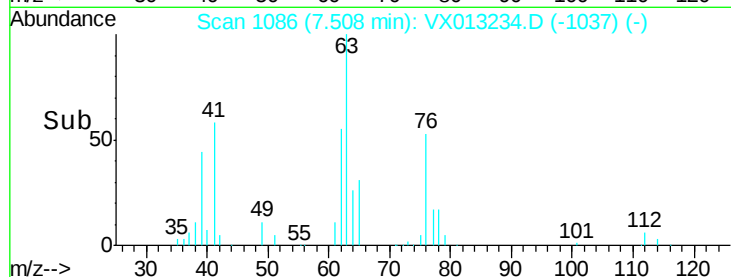
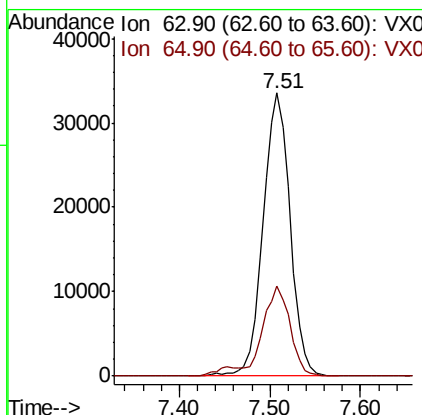
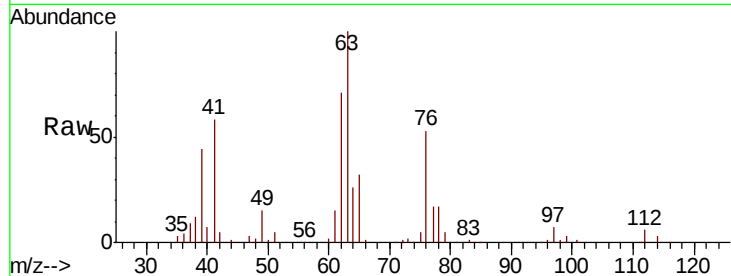
#45
 1,2-Dichloropropane
 Concen: 49.658 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion: 63 Resp: 69177
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.3 37.9

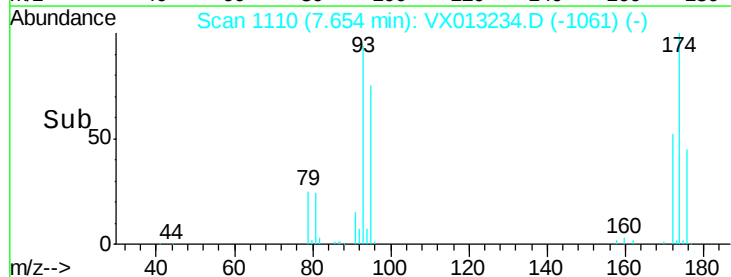
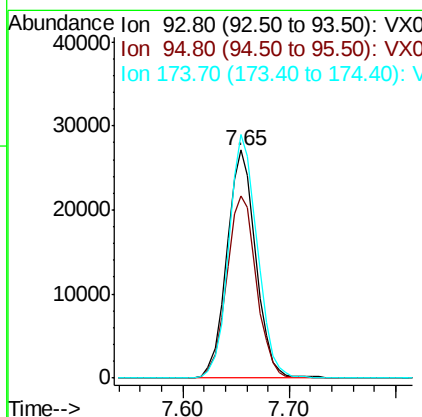
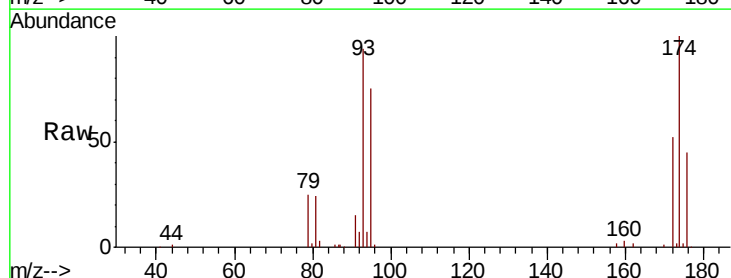
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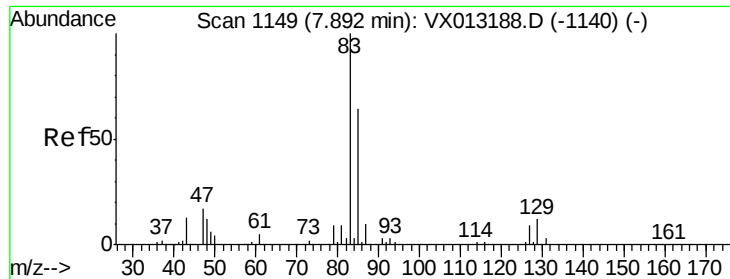
MMDadoda
 10/28/2019 12:53:02 PM



#46
 Dibromomethane
 Concen: 51.436 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion: 93 Resp: 51624
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.4
 174 105.6 85.2 127.8





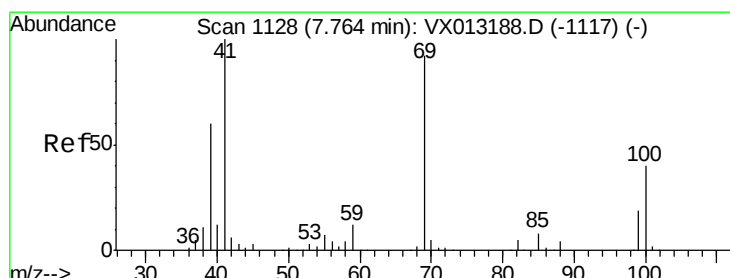
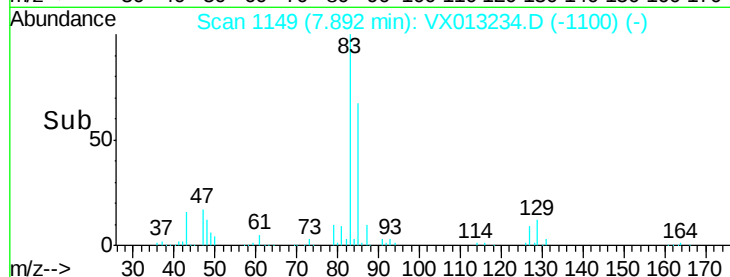
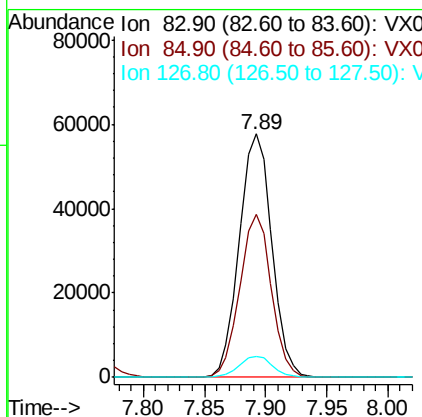
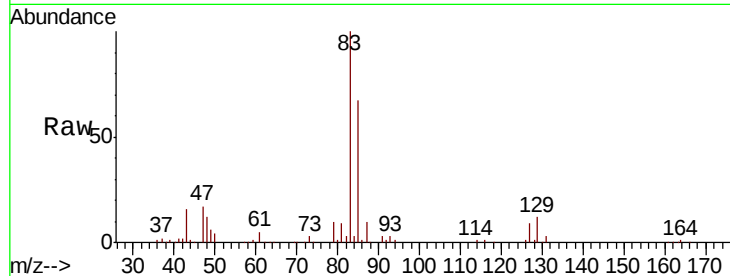
#47
Bromodichloromethane
Concen: 54.450 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	106501		
85	66.9		51.0	76.6
127	8.7		7.2	10.8

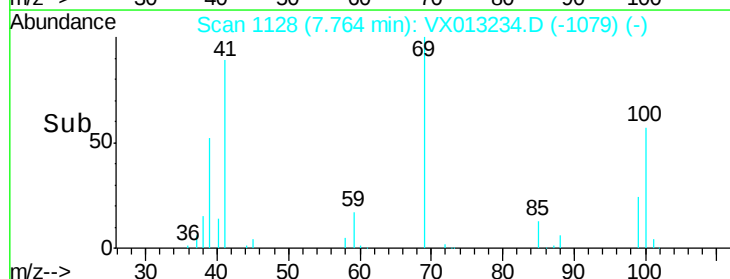
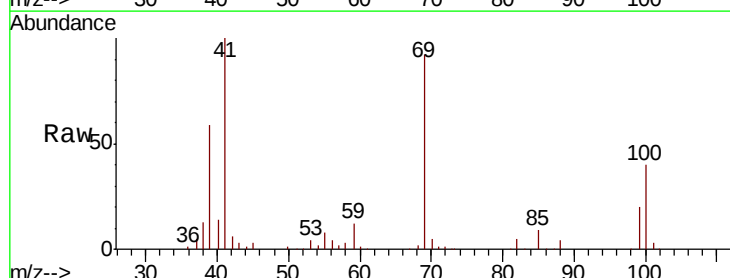
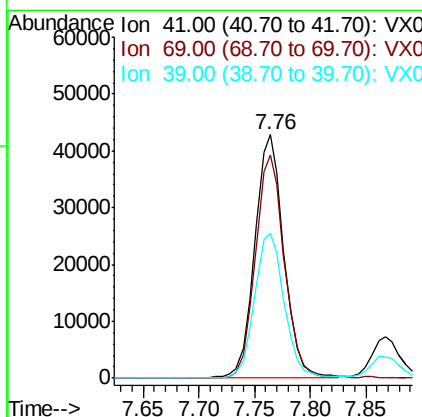
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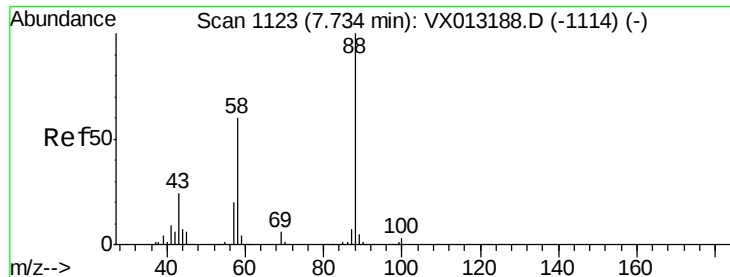
MMDadoda
10/28/2019 12:53:02 PM



#48
Methyl methacrylate
Concen: 51.475 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	77947		
69	91.7		72.0	108.0
39	60.9		47.4	71.0





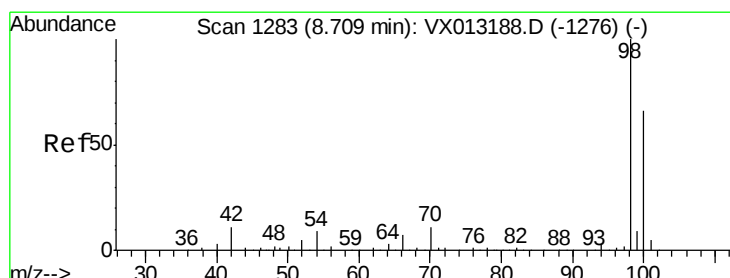
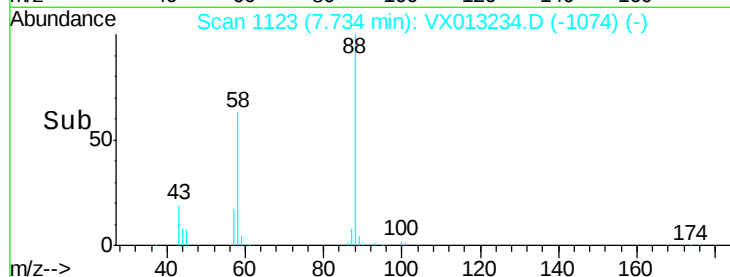
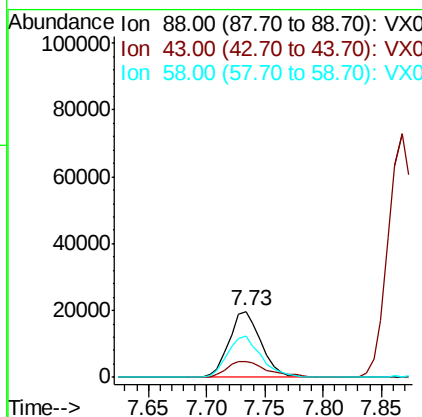
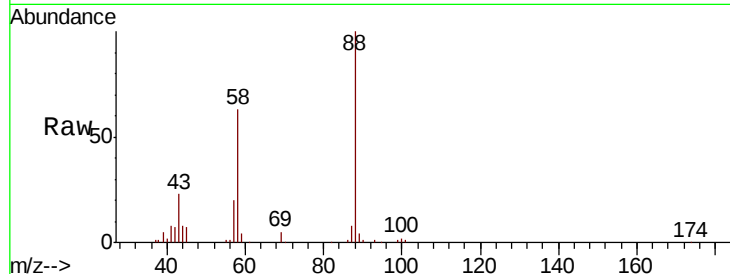
#49
1,4-Dioxane
Concen: 983.060 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.5	36.7
58	65.7	54.1	81.1

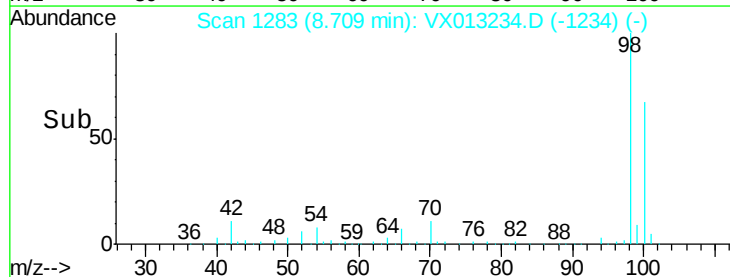
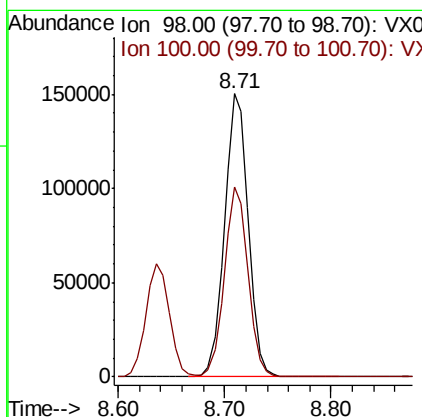
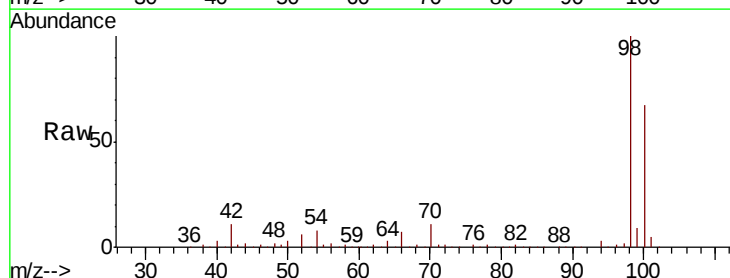
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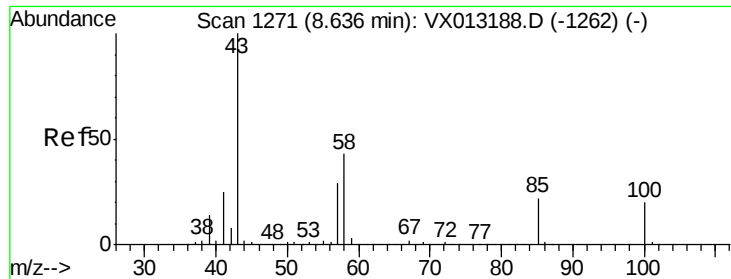
MMDadoda
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#50
Toluene-d8
Concen: 51.115 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 260.318 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 43 Resp: 486129

Ion Ratio Lower Upper

43 100

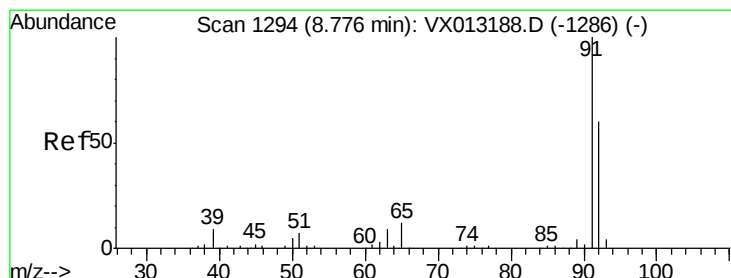
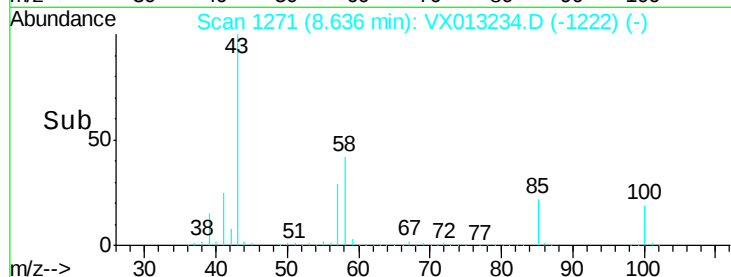
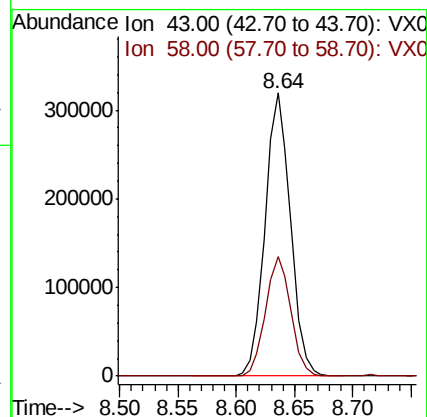
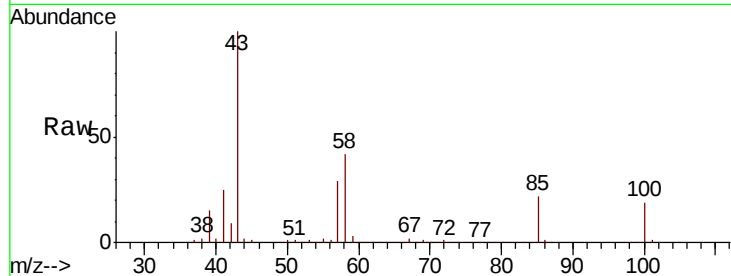
58 42.2 33.9 50.9

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#52

Toluene

Concen: 49.631 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013234.D

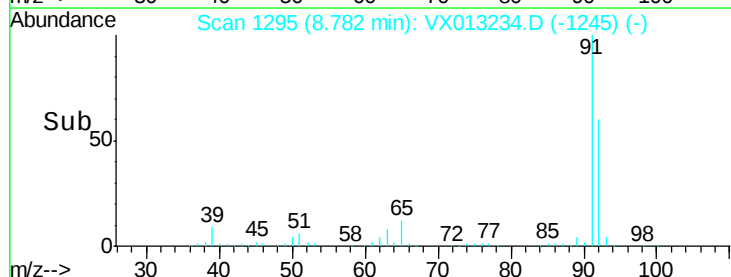
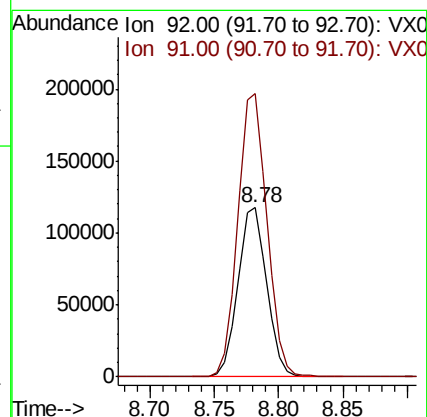
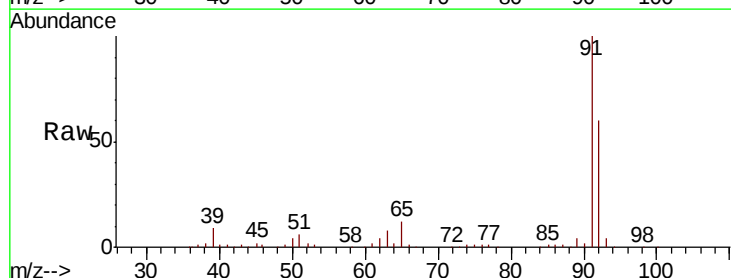
Acq: 25 Oct 2019 16:27

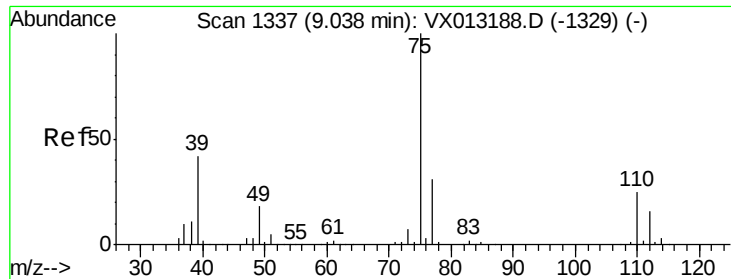
Tgt Ion: 92 Resp: 182942

Ion Ratio Lower Upper

92 100

91 170.2 133.9 200.9





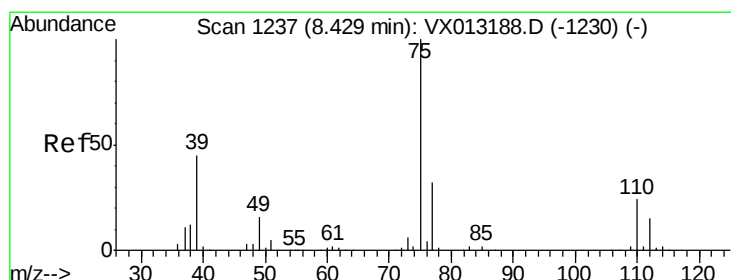
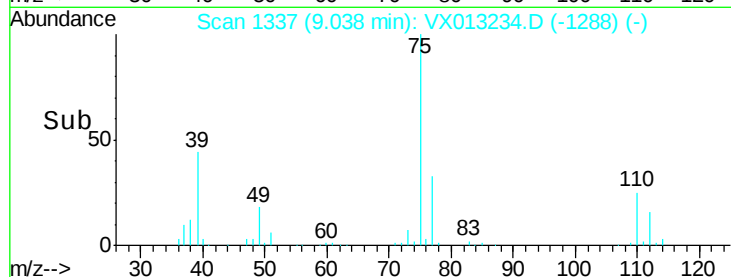
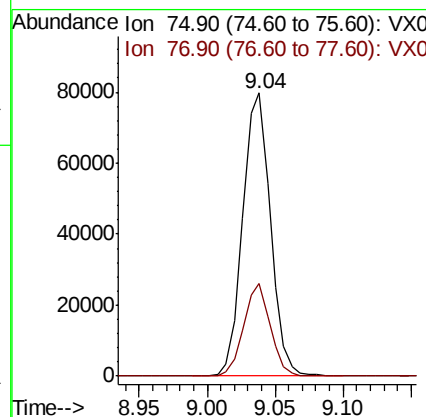
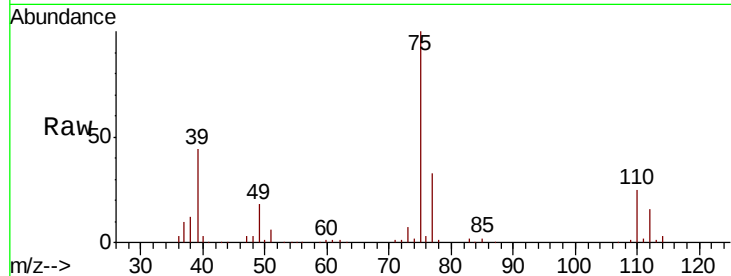
#53
 t-1,3-Dichloropropene
 Concen: 54.713 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion: 75 Resp: 113723
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.7 37.1

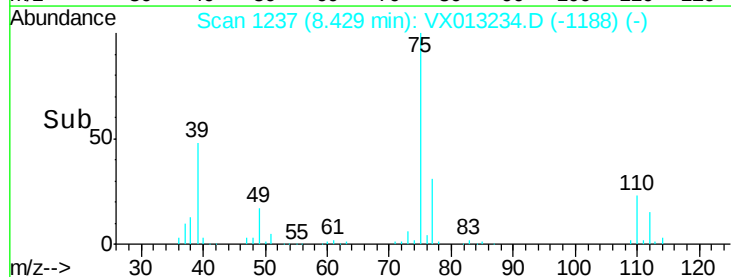
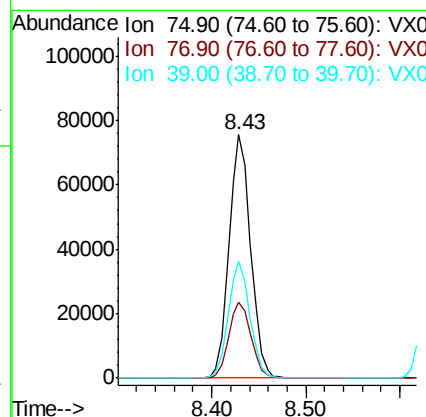
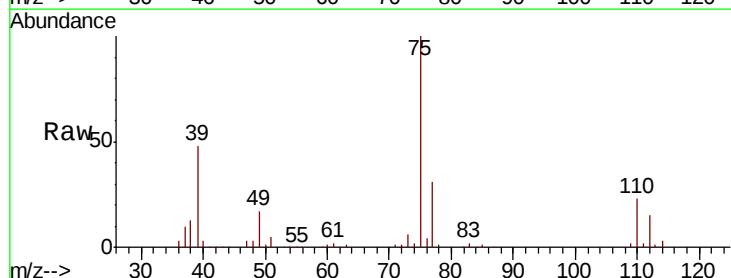
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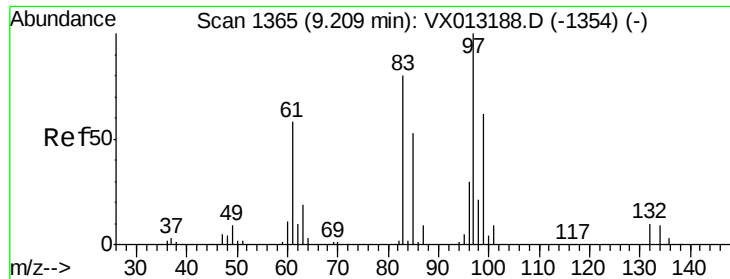
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 52.597 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion: 75 Resp: 119594
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0
 39 48.2 36.2 54.4





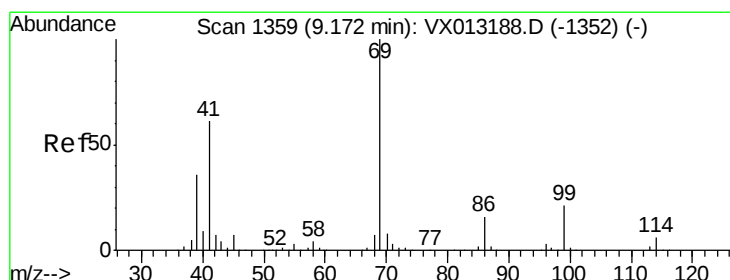
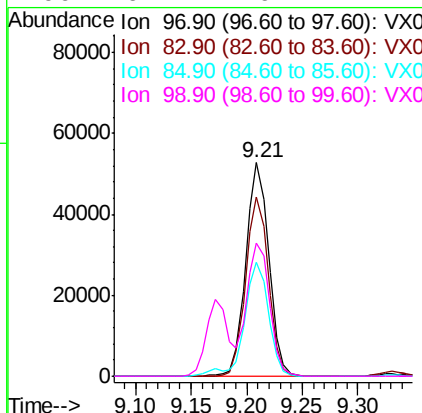
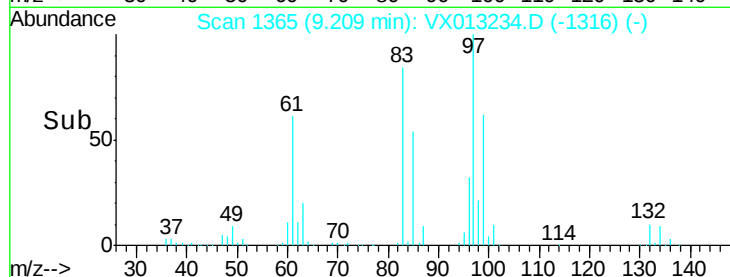
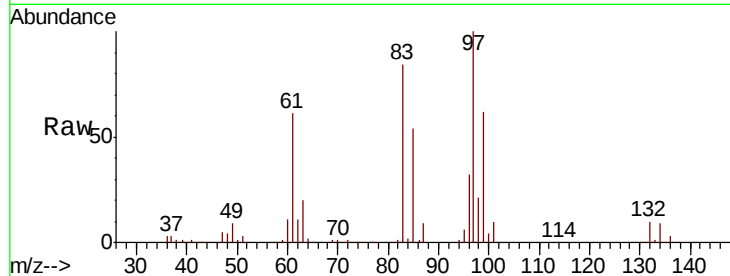
#55
1,1,2-Trichloroethane
Concen: 51.940 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		75693		
83	83.7	64.1	96.1		
85	53.6	42.1	63.1		
99	62.1	49.4	74.2		

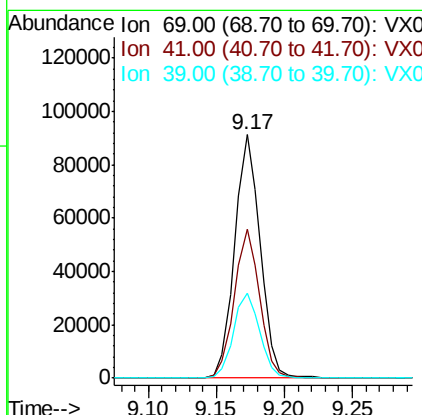
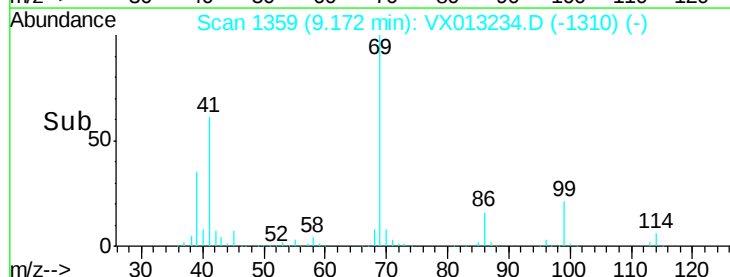
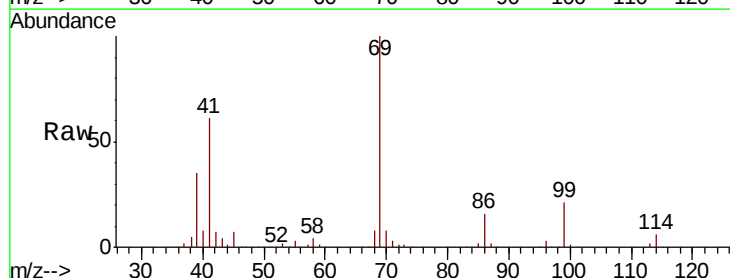
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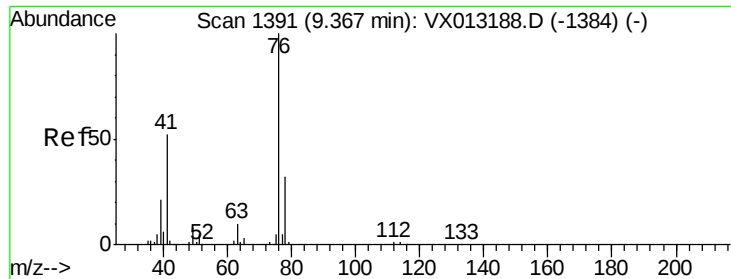
MMDadoda
10/28/2019 12:53:02 PM



#56
Ethyl methacrylate
Concen: 54.368 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		119249		
41	61.0	49.5	74.3		
39	36.4	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 51.175 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 76 Resp: 125836

Ion Ratio Lower Upper

76 100

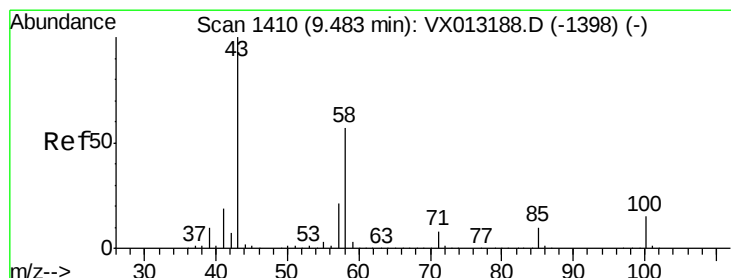
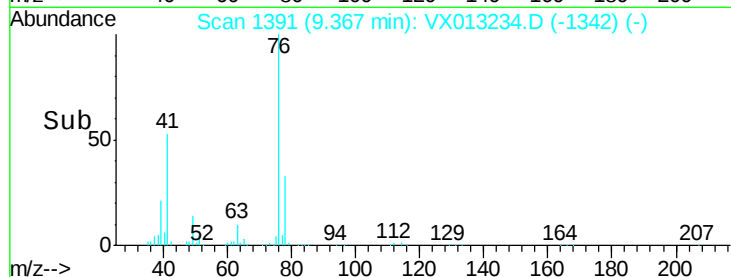
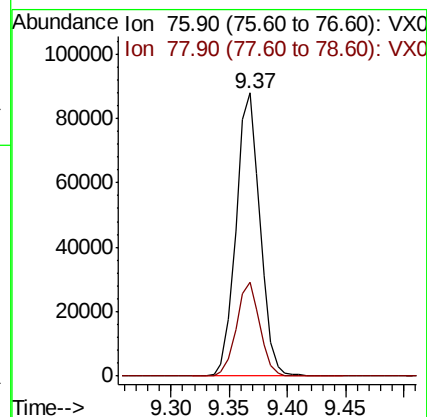
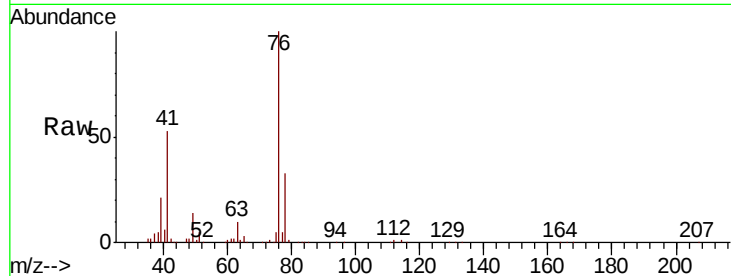
78 32.4 26.1 39.1

Manual Integrations

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MMDadoda

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#59

2-Hexanone

Concen: 259.013 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.01 min

Lab File: VX013234.D

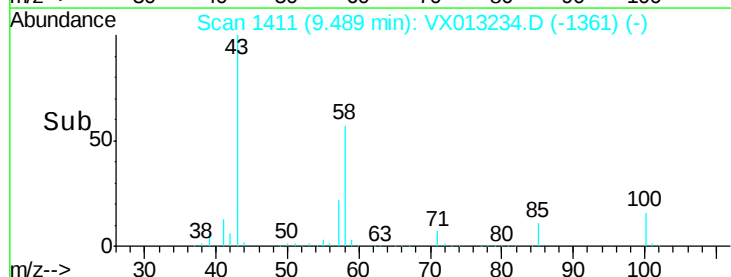
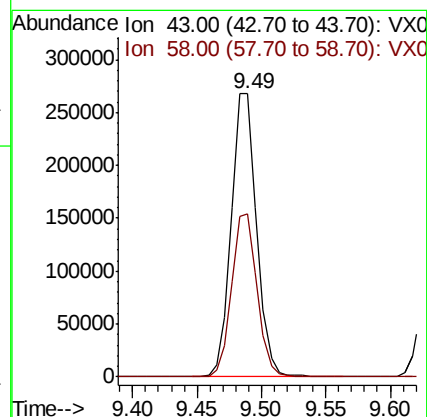
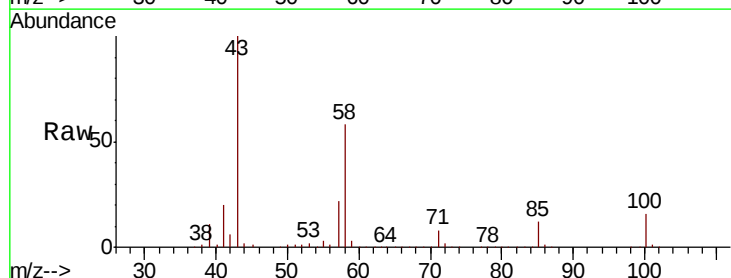
Acq: 25 Oct 2019 16:27

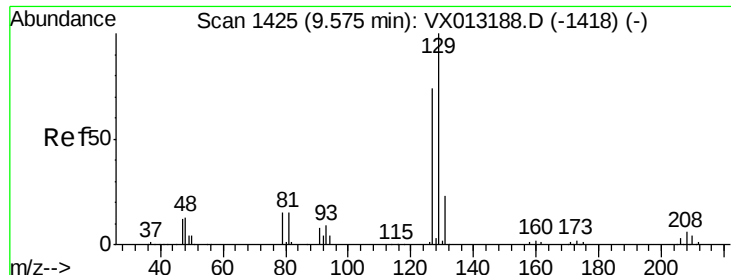
Tgt Ion: 43 Resp: 372585

Ion Ratio Lower Upper

43 100

58 57.8 28.2 84.7





#60

Dibromochloromethane

Concen: 55.669 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:129 Resp: 85009

Ion Ratio Lower Upper

129 100

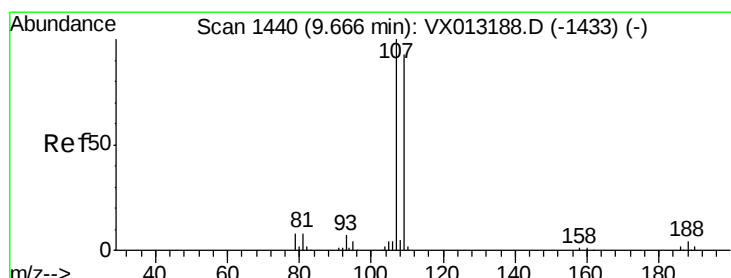
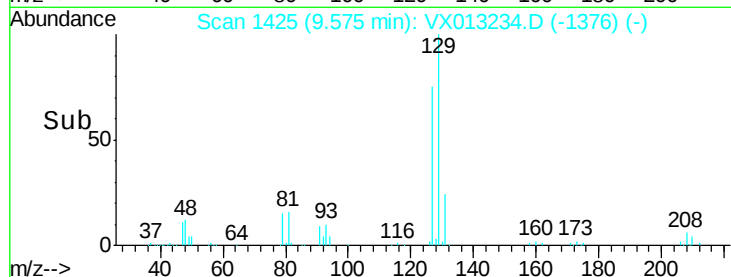
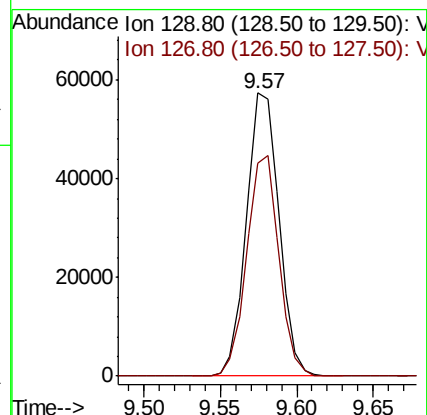
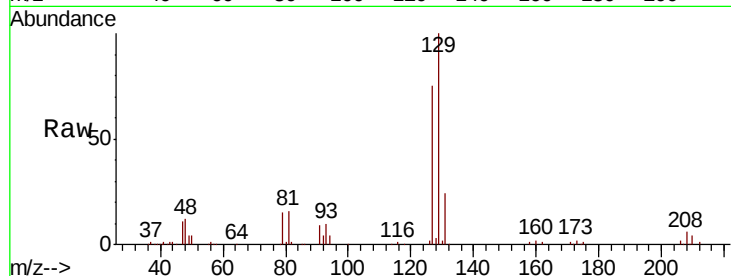
127 76.8 38.2 114.6

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 52.850 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013234.D

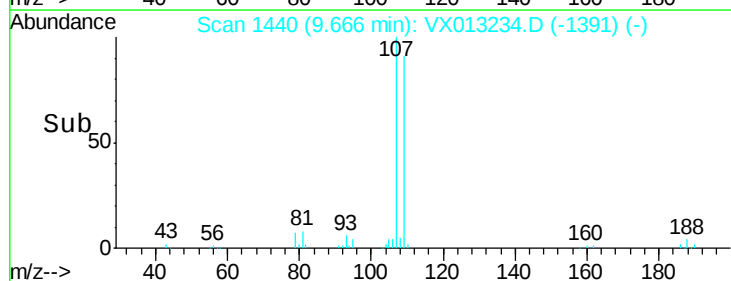
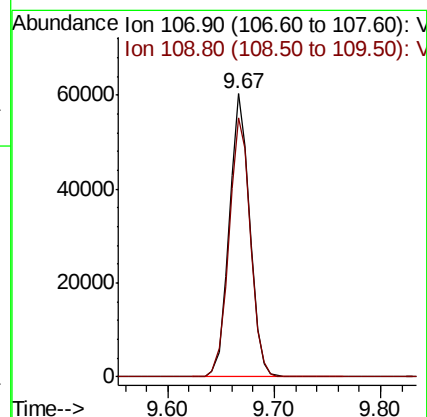
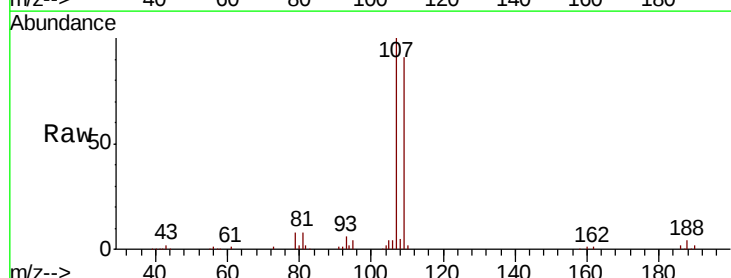
Acq: 25 Oct 2019 16:27

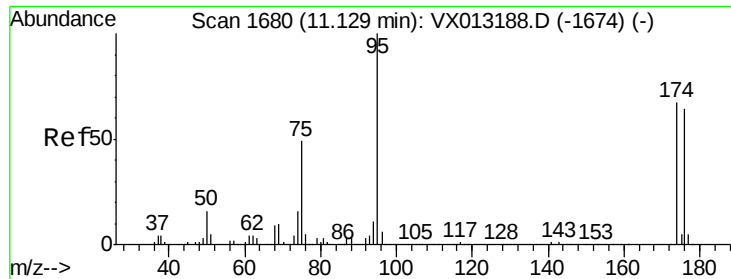
Tgt Ion:107 Resp: 81764

Ion Ratio Lower Upper

107 100

109 94.8 75.7 113.5





#62

4-Bromofluorobenzene

Concen: 50.344 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

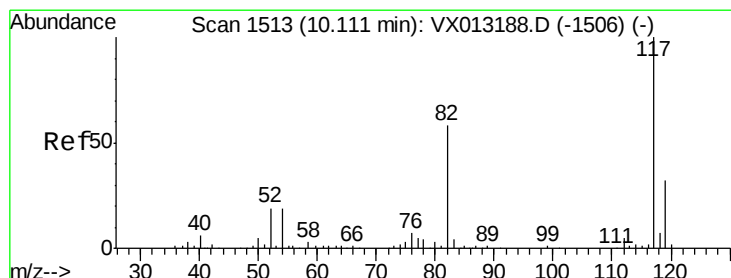
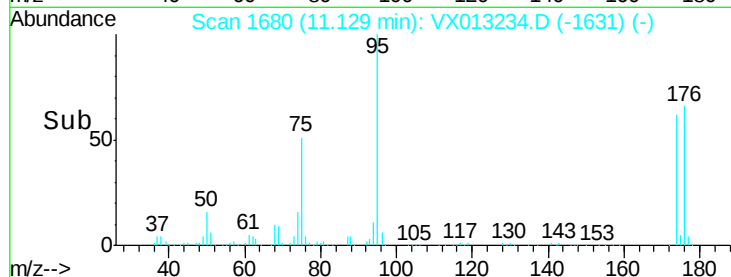
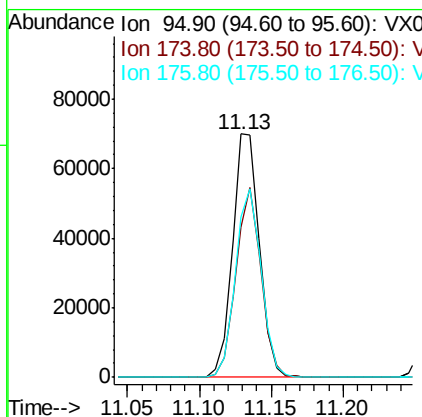
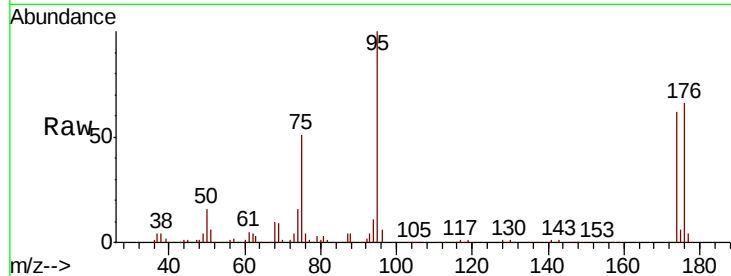
ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:	95	Resp:	91186
Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	152.4
176	74.6	0.0	146.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

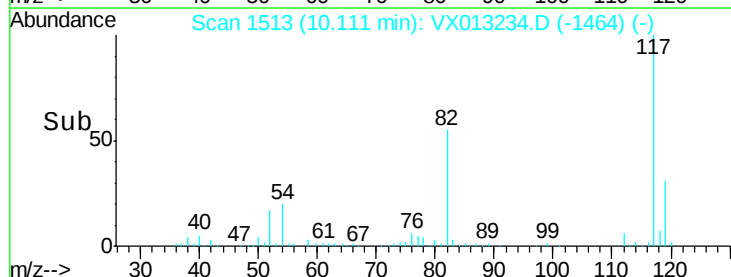
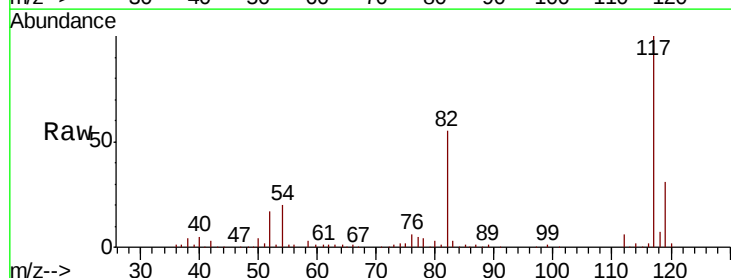
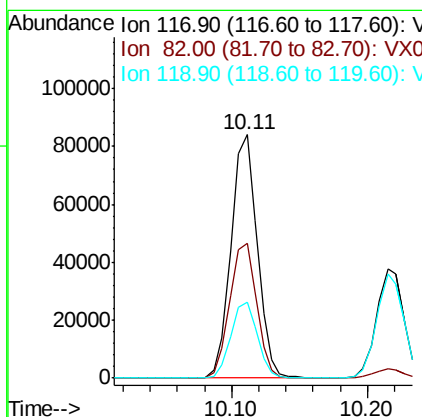
RT: 10.11 min Scan# 1513

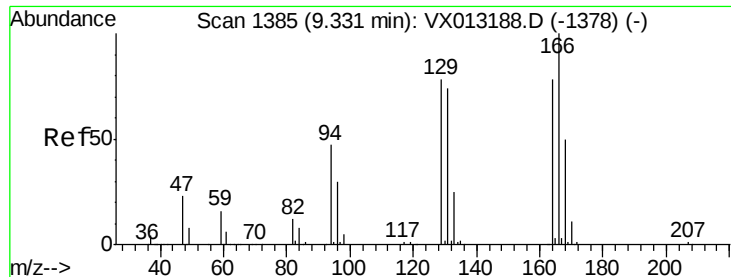
Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Tgt Ion:	117	Resp:	112934
Ion	Ratio	Lower	Upper
117	100		
82	55.1	46.5	69.7
119	31.4	25.2	37.8





#64

Tetrachloroethene

Concen: 54.081 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:164 Resp: 75140

Ion Ratio Lower Upper

164 100

166 123.3 102.2 153.4

129 94.7 79.8 119.8

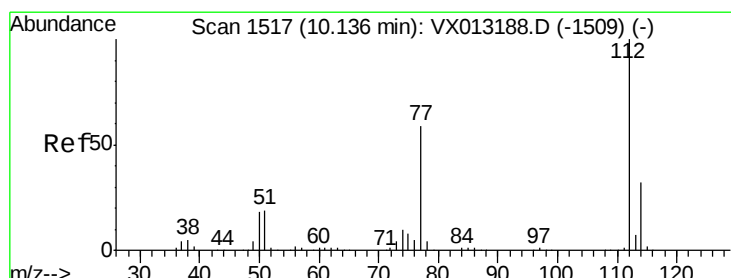
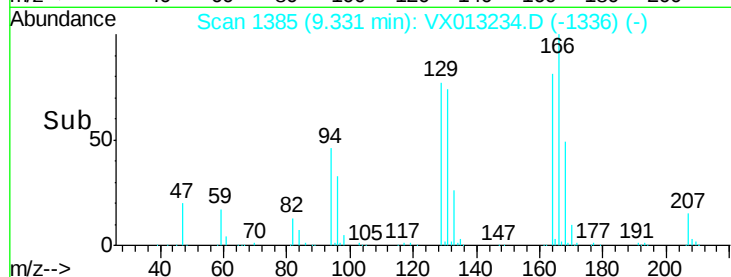
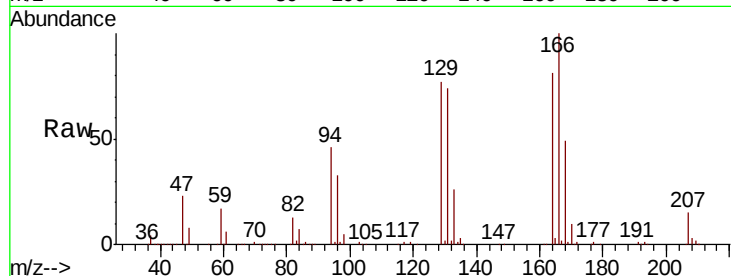
131 91.6 75.3 112.9

Manual Integrations

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#65

Chlorobenzene

Concen: 49.783 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013234.D

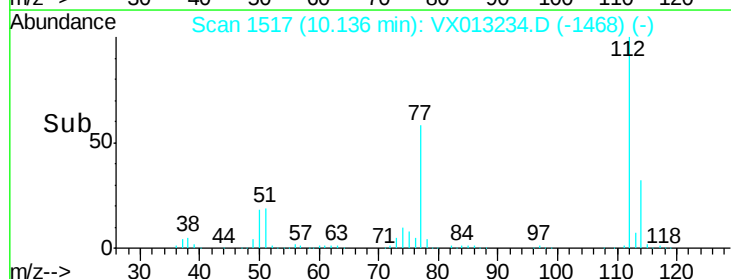
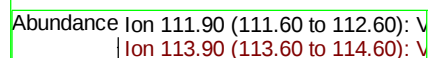
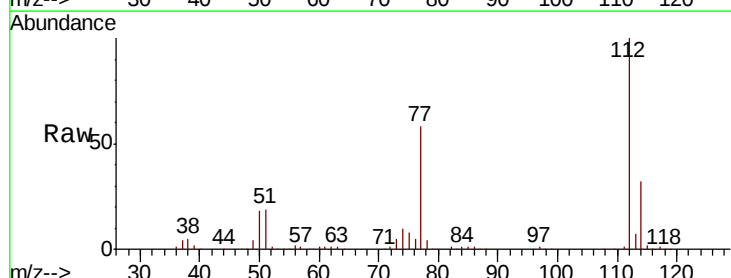
Acq: 25 Oct 2019 16:27

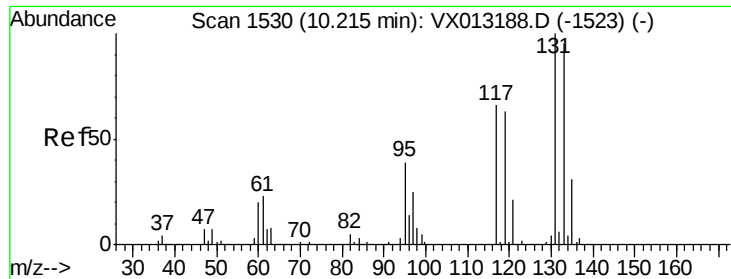
Tgt Ion:112 Resp: 196810

Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.8





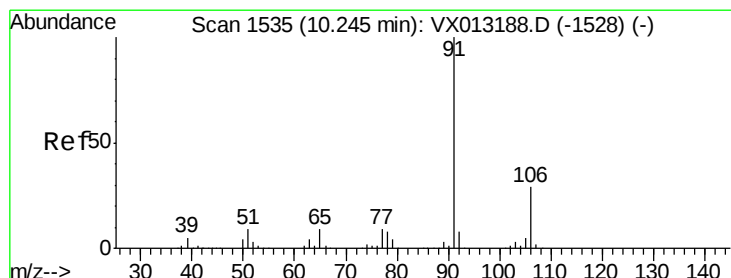
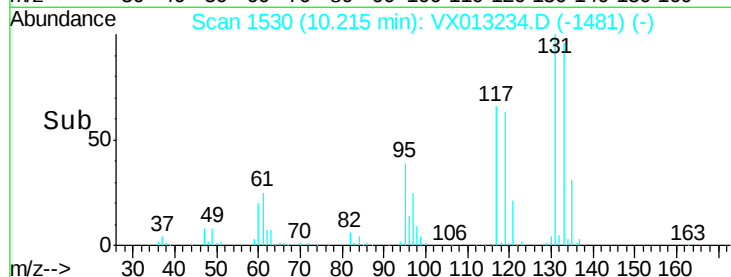
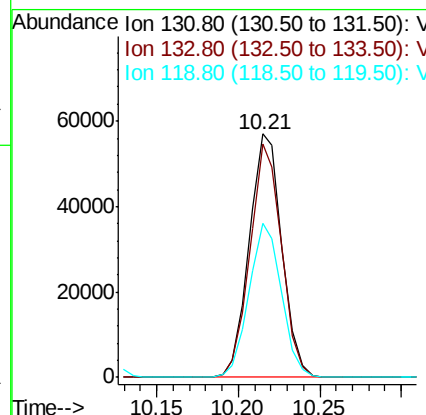
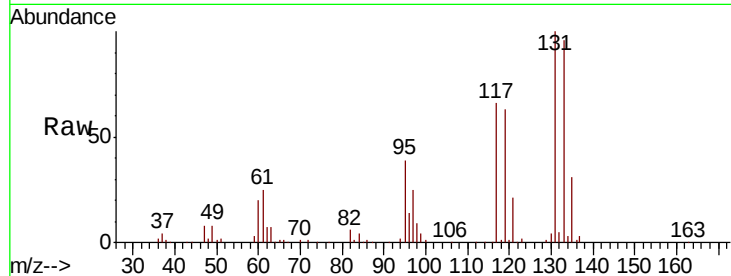
#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.384 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.0	48.4	145.2
119	62.9	32.4	97.0

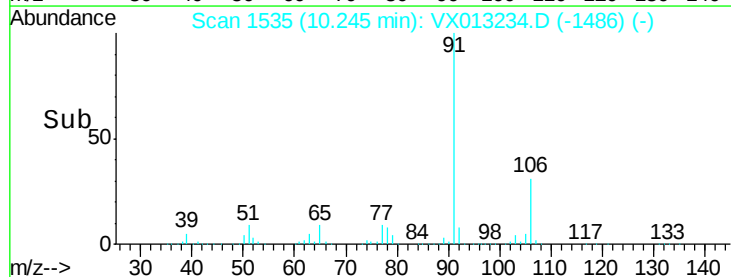
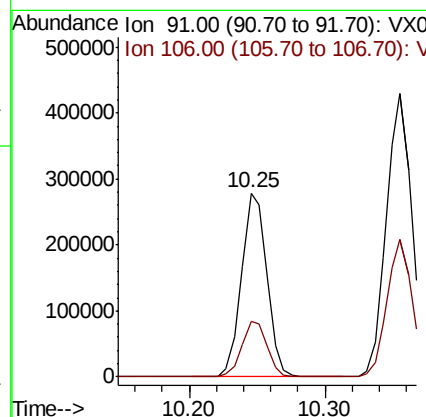
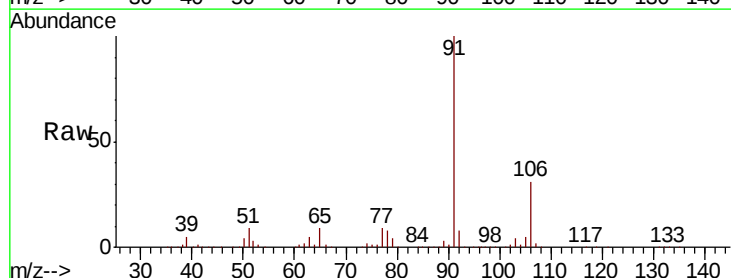
Manual Integrations
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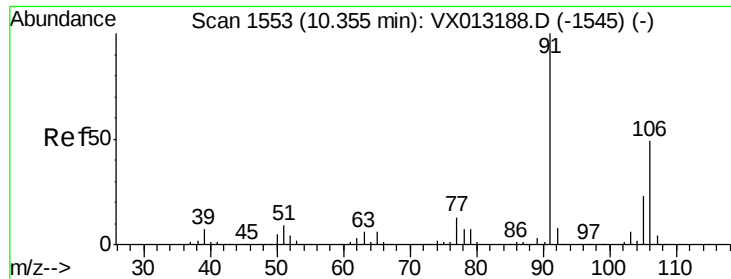
MMDadoda
 10/28/2019 12:53:02 PM



#67
 Ethyl Benzene
 Concen: 51.071 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.5	35.3





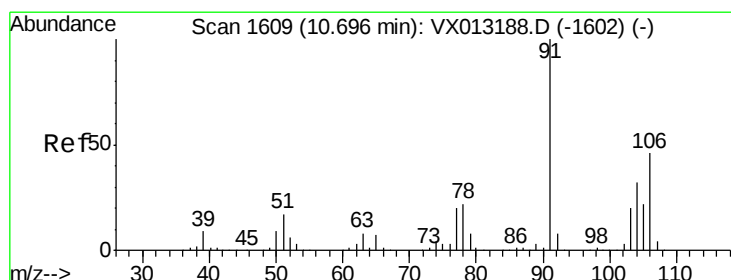
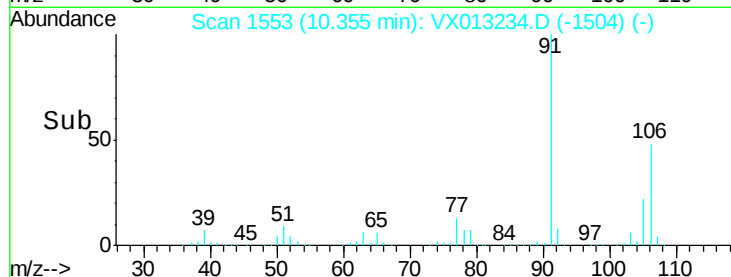
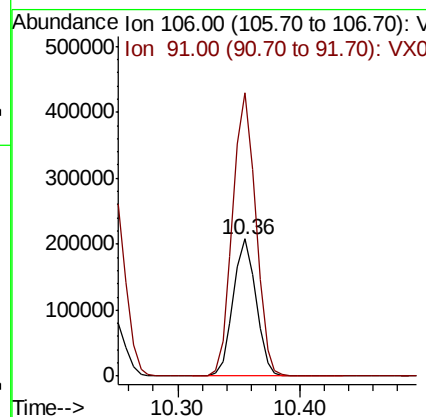
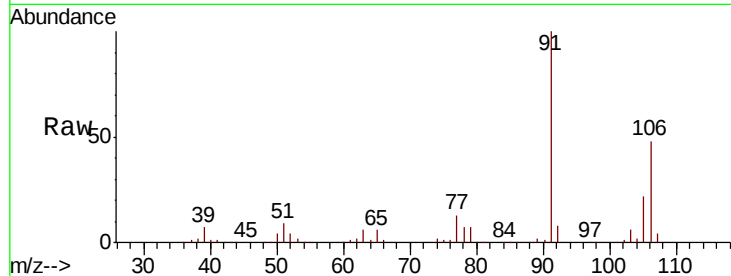
#68
m/p-Xylenes
Concen: 100.304 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion:106 Resp: 268280
Ion Ratio Lower Upper
106 100
91 210.0 166.8 250.2

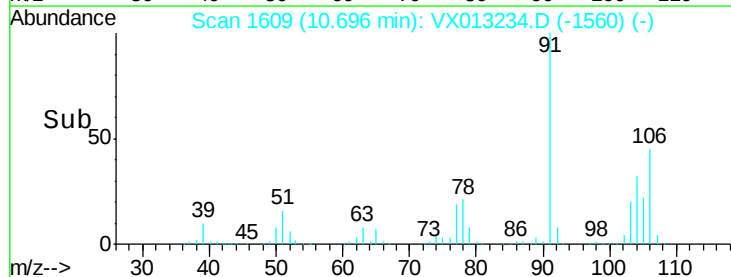
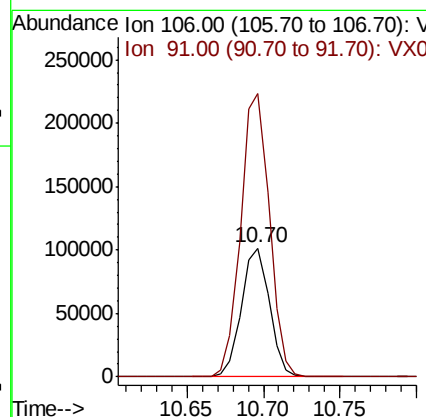
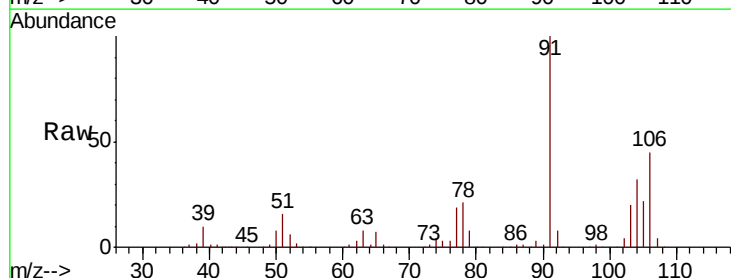
Manual Integrations
APPROVED

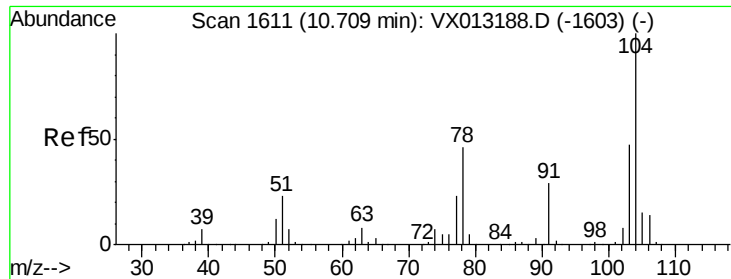
MMDadoda
10/28/2019 12:53:02 PM



#69
o-Xylene
Concen: 50.421 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion:106 Resp: 129367
Ion Ratio Lower Upper
106 100
91 224.6 110.7 331.9





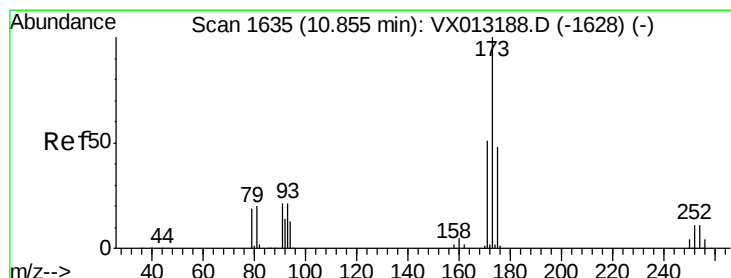
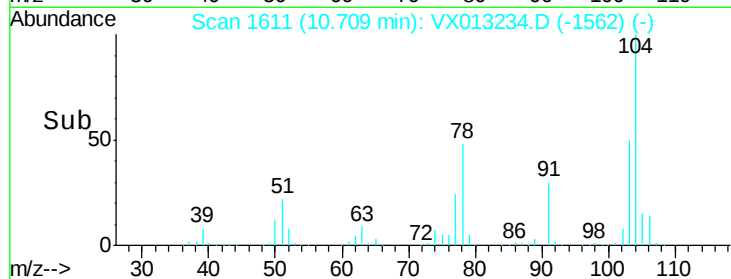
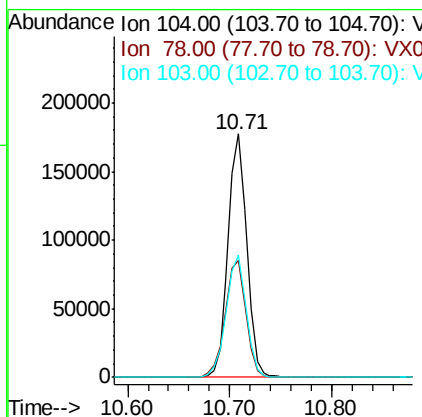
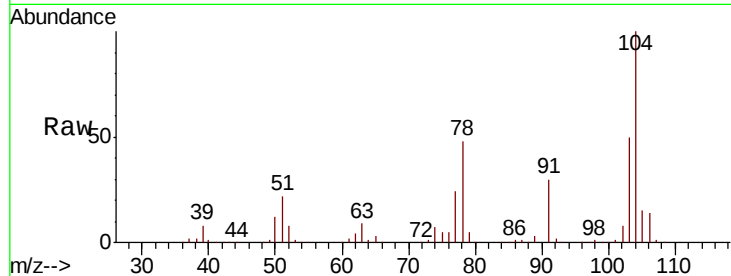
#70
Stvrene
Concen: 50.881 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.4
103	54.0	42.8	64.2

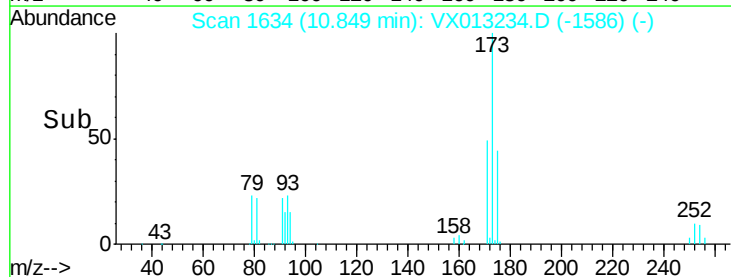
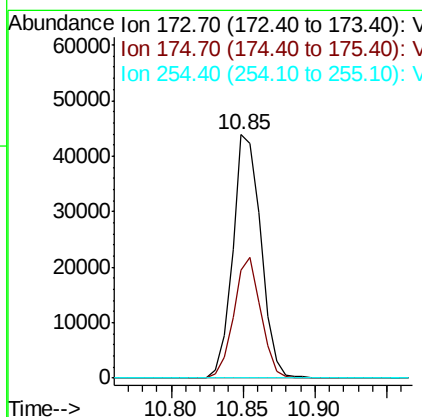
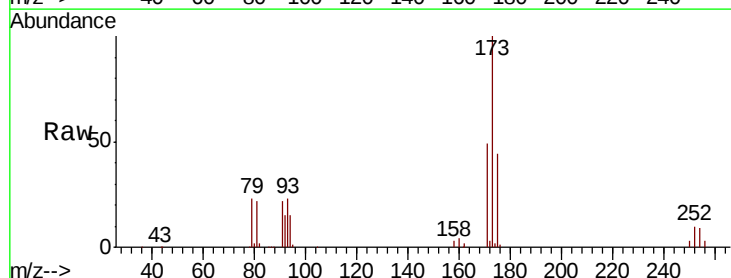
Manual Integrations
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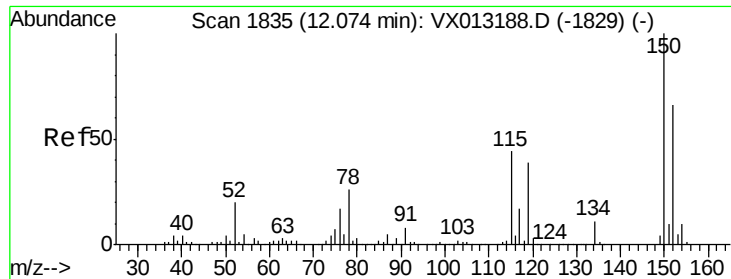
MMDadoda
10/28/2019 12:53:02 PM



#71
Bromoform
Concen: 56.135 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.8
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

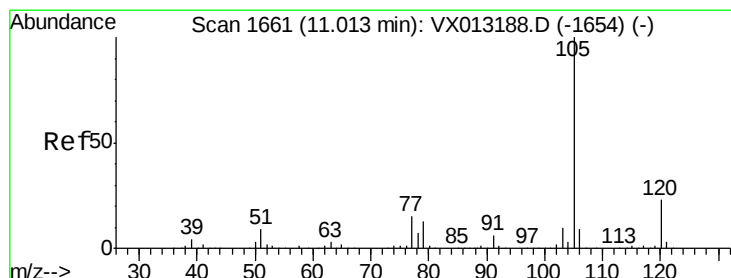
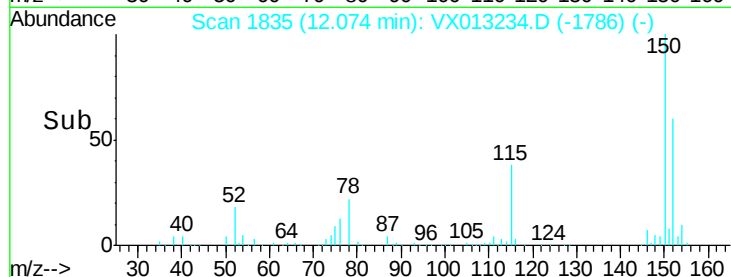
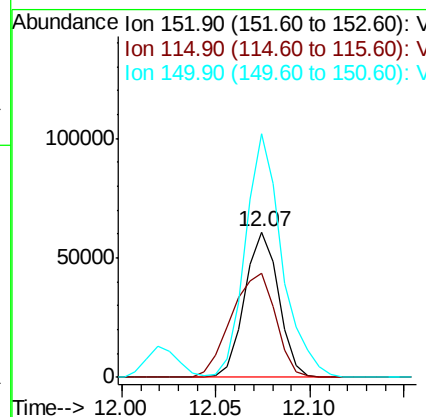
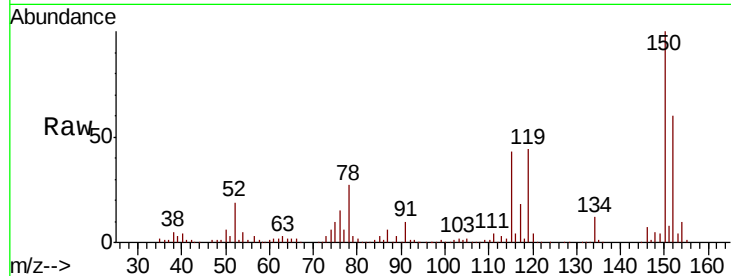
ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:	152	Resp:	76011
Ion Ratio	Lower	Upper	
152	100		
115	93.7	46.6	139.8
150	181.0	0.0	354.0

Manual Integrations
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#73

Isopropylbenzene

Concen: 51.179 ug/l

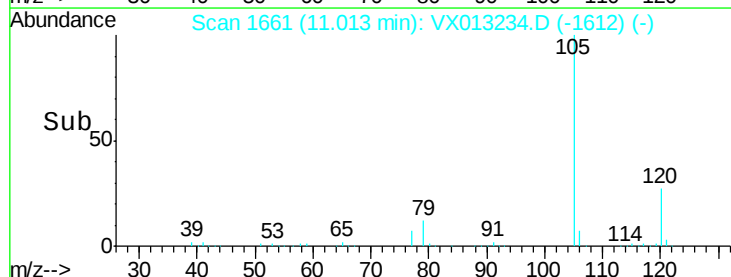
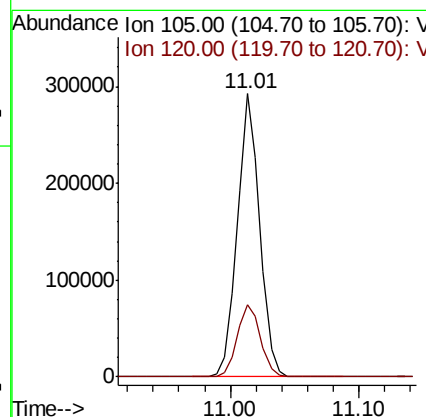
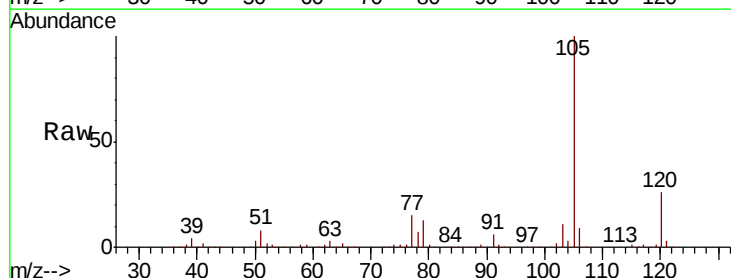
RT: 11.01 min Scan# 1661

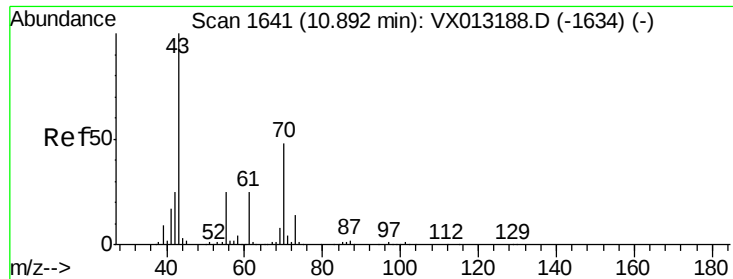
Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Tgt Ion:	105	Resp:	353261
Ion Ratio	Lower	Upper	
105	100		
120	26.6	12.6	37.8





#74

N-amvl acetate

Concen: 53.122 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

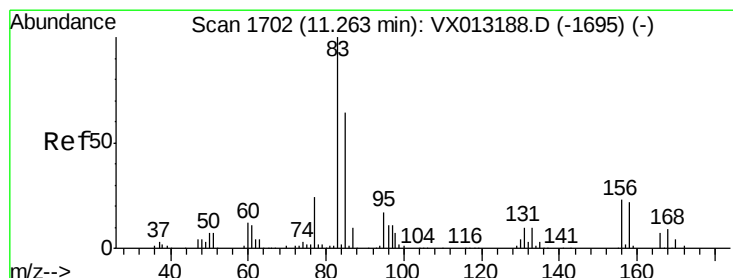
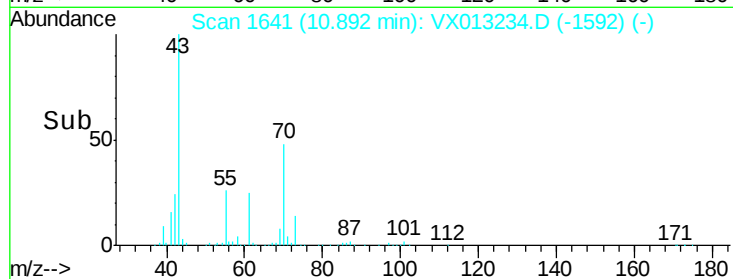
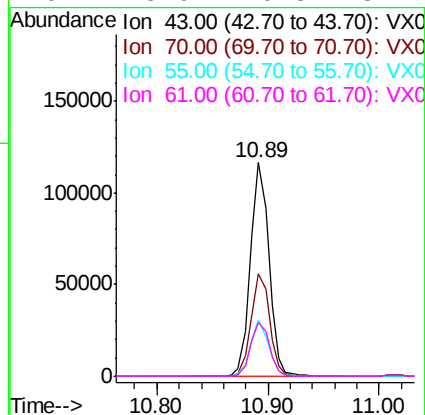
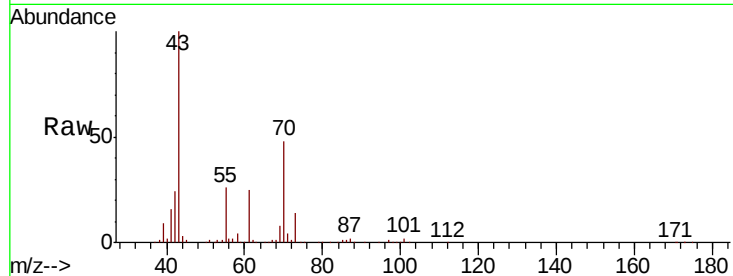
ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion	43	Resp	134581
Ion Ratio	Lower	Upper	
43	100		
70	48.3	38.5	57.7
55	25.9	20.7	31.1
61	25.9	20.8	31.2

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.888 ug/l

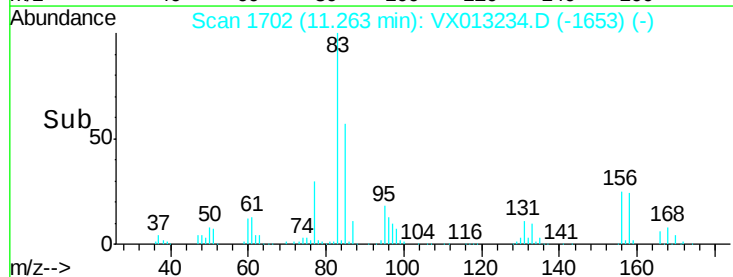
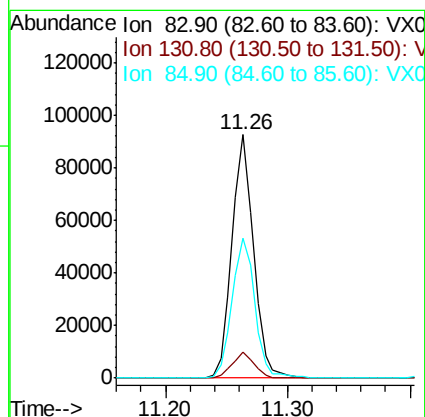
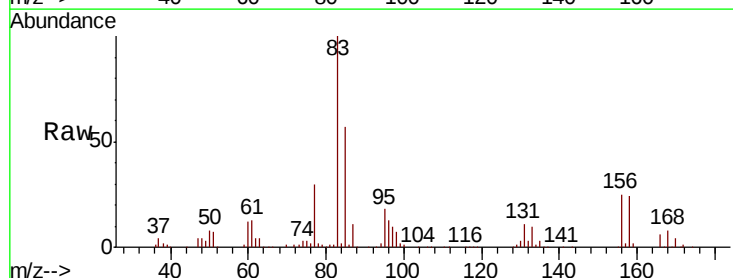
RT: 11.26 min Scan# 1702

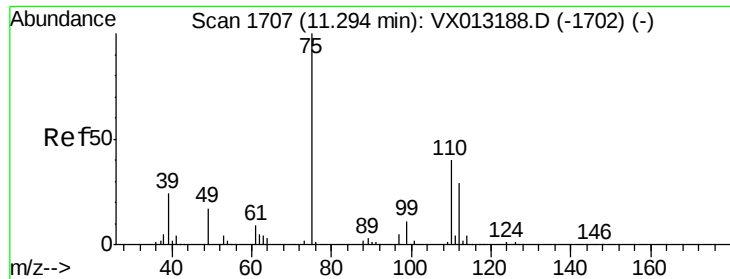
Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Tgt Ion	83	Resp	112941
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	60.6	31.4	94.3





#76

1,2,3-Trichloropropane

Concen: 49.855 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 75 Resp: 91335

Ion Ratio Lower Upper

75 100

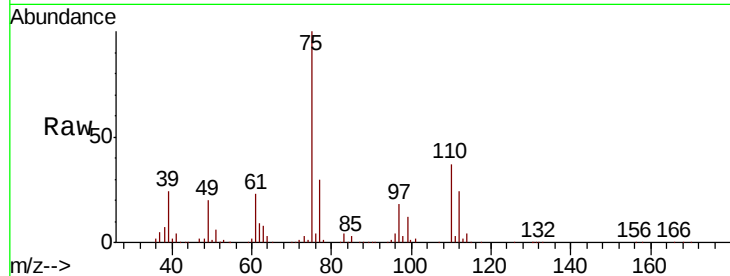
77 42.9 19.1 57.5

Manual Integrations

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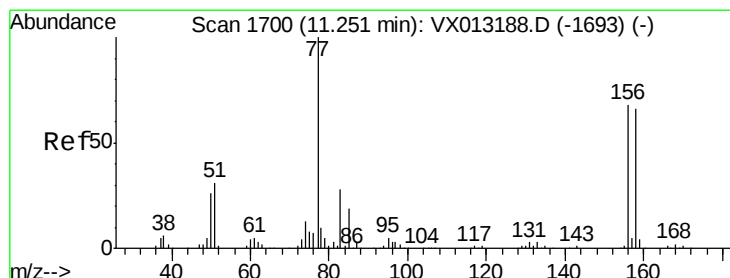
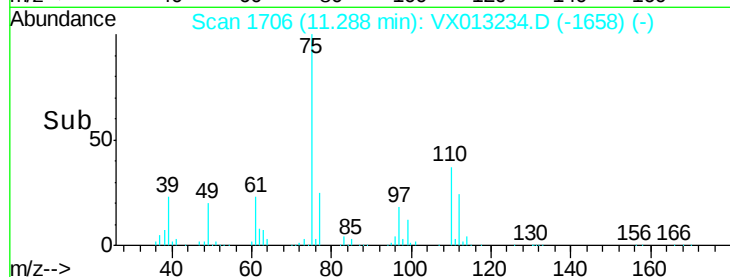
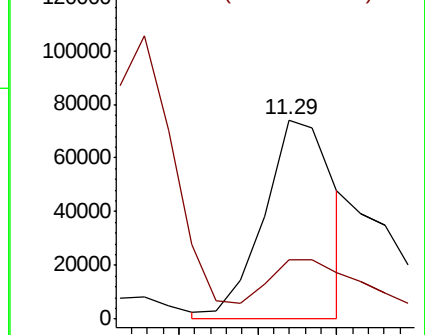
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 50.689 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

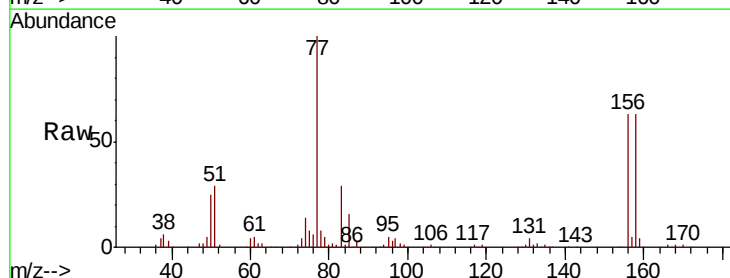
Tgt Ion: 156 Resp: 83857

Ion Ratio Lower Upper

156 100

77 161.2 81.7 245.1

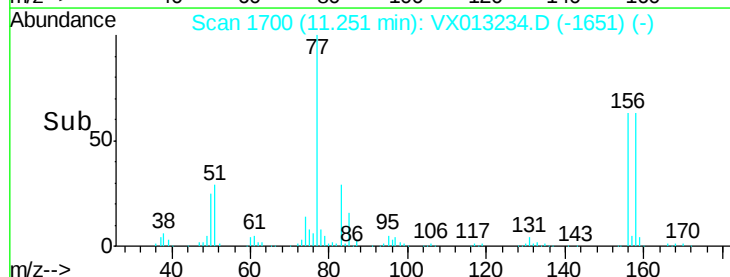
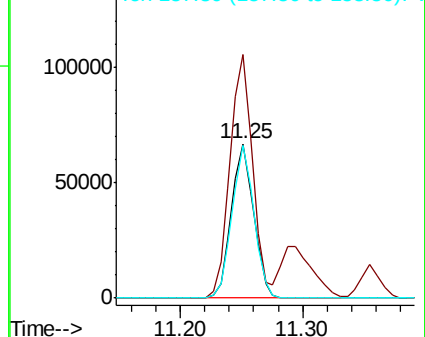
158 97.1 49.6 148.8

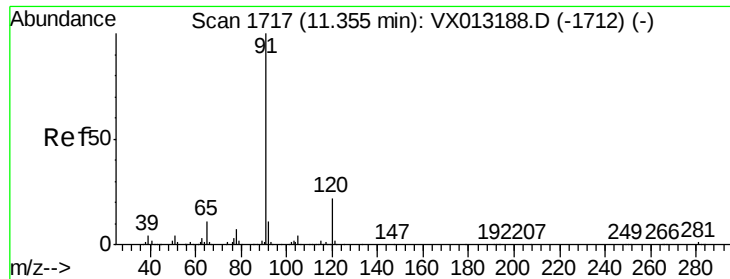


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 51.524 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion: 91 Resp: 386318

Ion Ratio Lower Upper

91 100

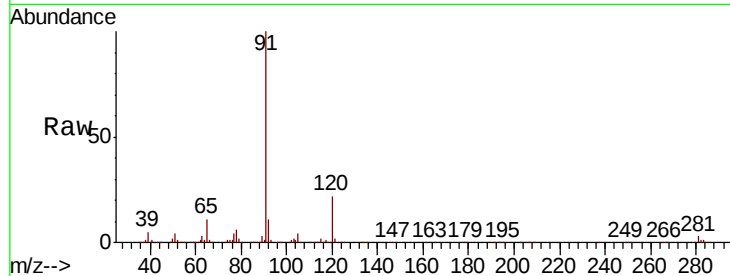
120 23.1 11.4 34.1

Manual Integrations

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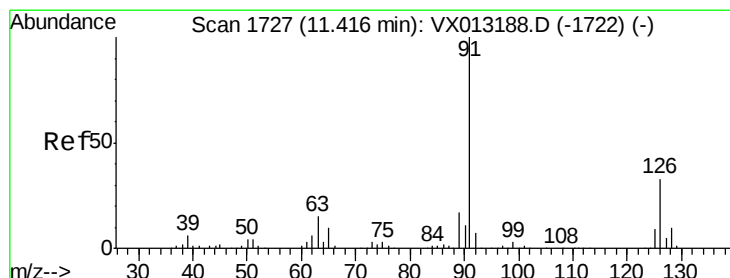
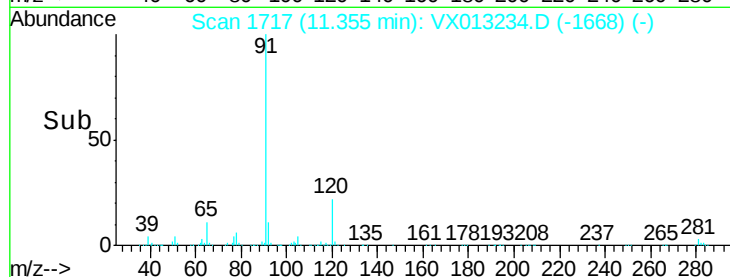
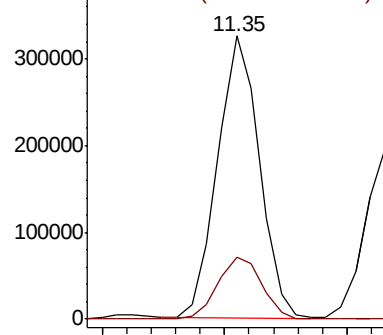
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.415 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013234.D

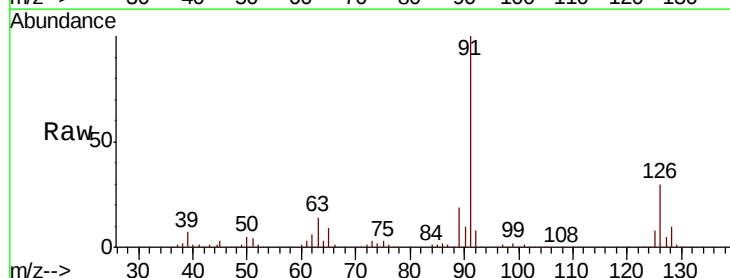
Acq: 25 Oct 2019 16:27

Tgt Ion: 91 Resp: 243569

Ion Ratio Lower Upper

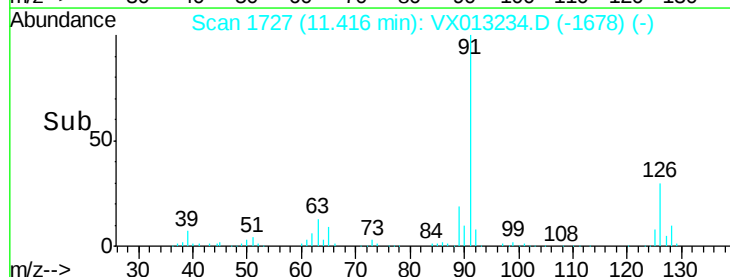
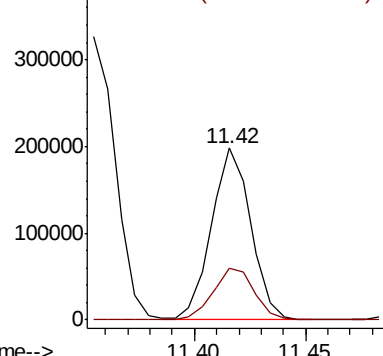
91 100

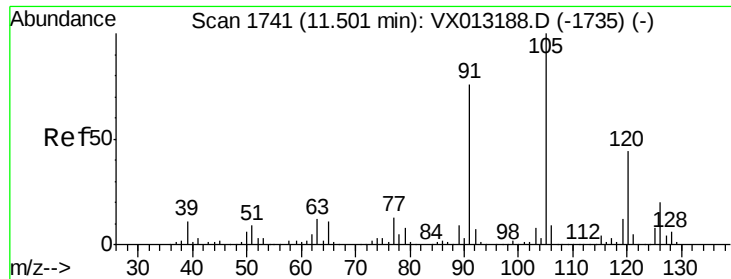
126 31.4 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





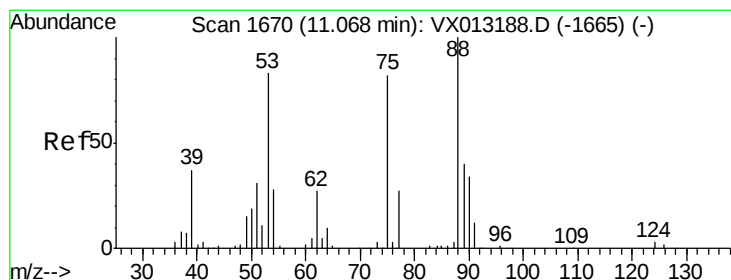
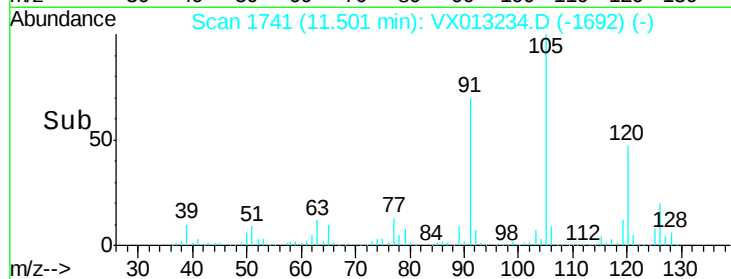
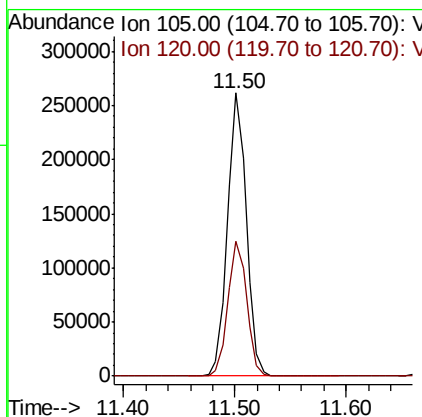
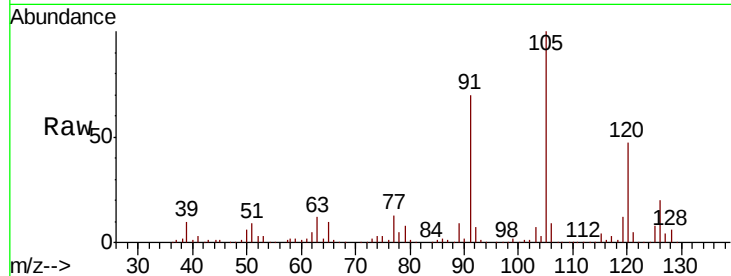
#80
 1,3,5-Trimethylbenzene
 Concen: 53.340 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion:105 Resp: 306024
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.0

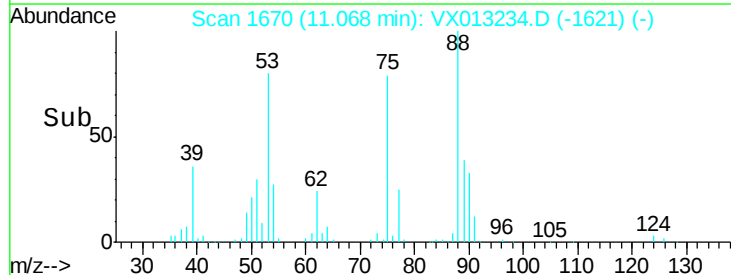
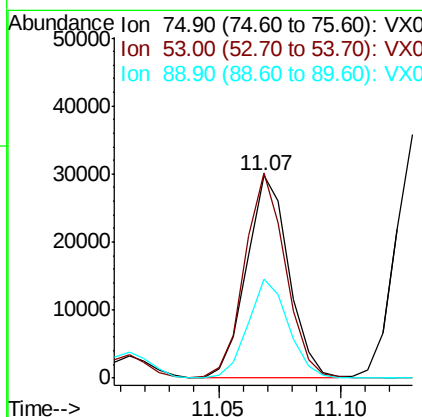
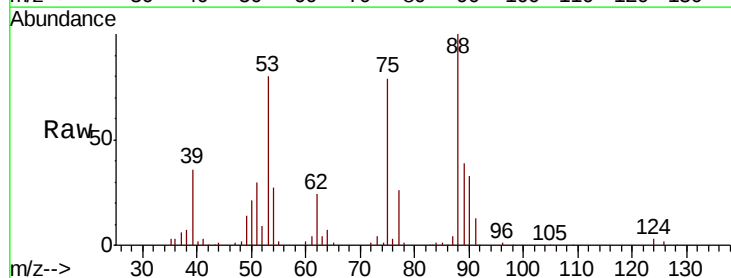
Manual Integrations
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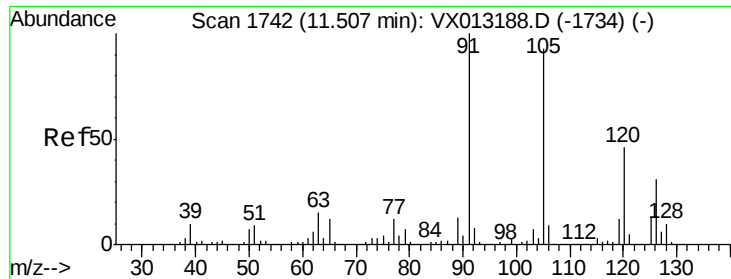
MMDadoda
 10/28/2019 12:53:02 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.520 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion: 75 Resp: 35681
 Ion Ratio Lower Upper
 75 100
 53 98.0 77.9 116.9
 89 47.1 37.3 55.9





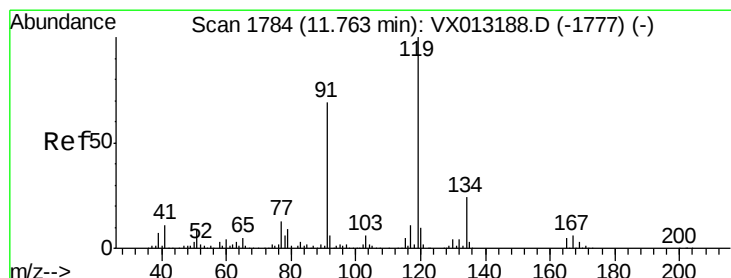
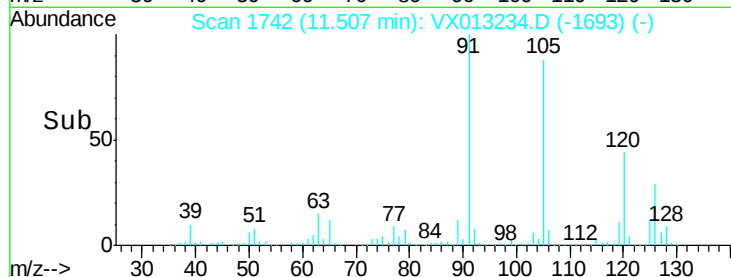
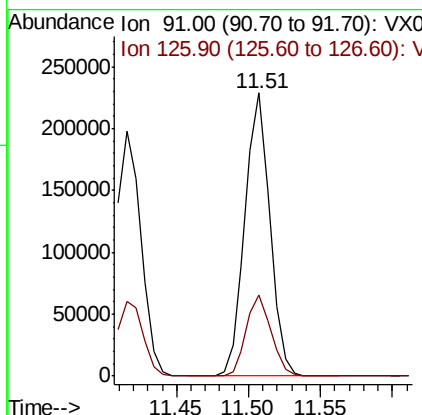
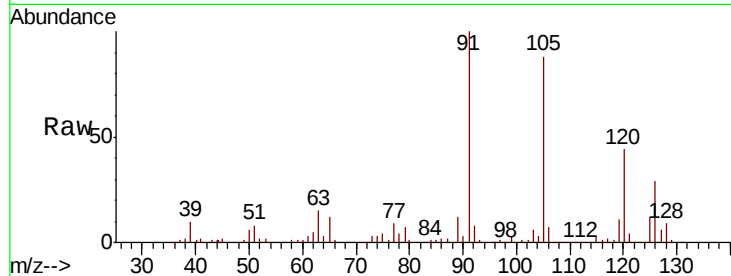
#82
4-Chlorotoluene
Concen: 51.197 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion: 91 Resp: 274809
Ion Ratio Lower Upper
91 100
126 28.5 14.6 44.0

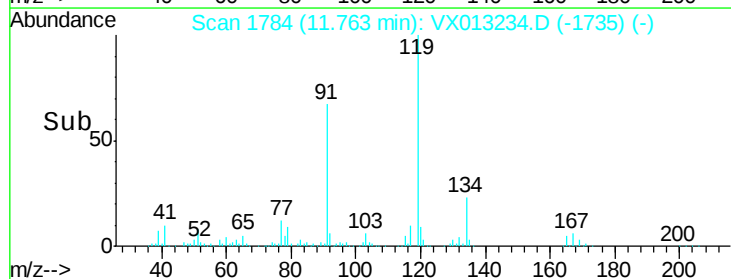
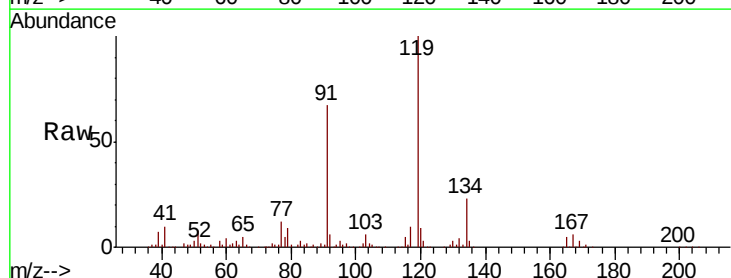
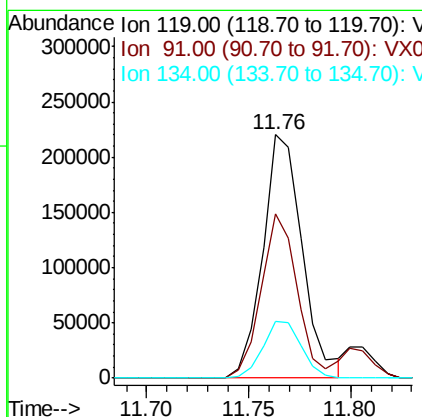
Manual Integrations
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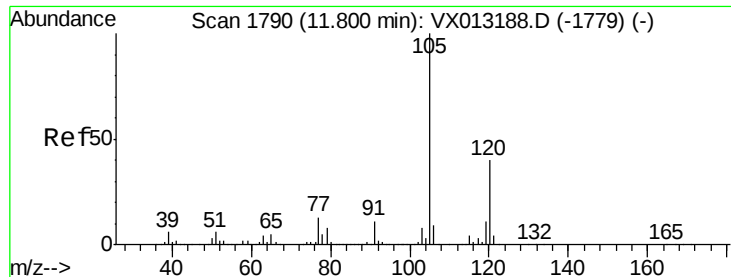
MMDadoda
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#83
tert-Butylbenzene
Concen: 52.313 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion: 119 Resp: 296944
Ion Ratio Lower Upper
119 100
91 61.5 30.8 92.4
134 22.7 11.5 34.5





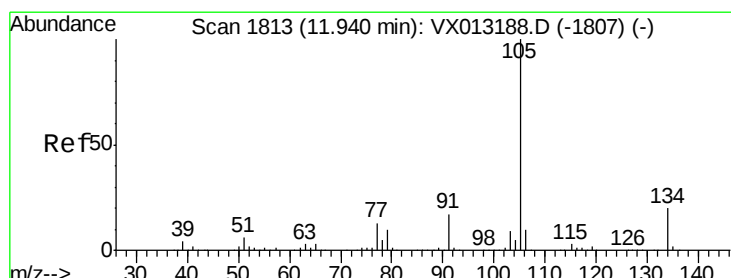
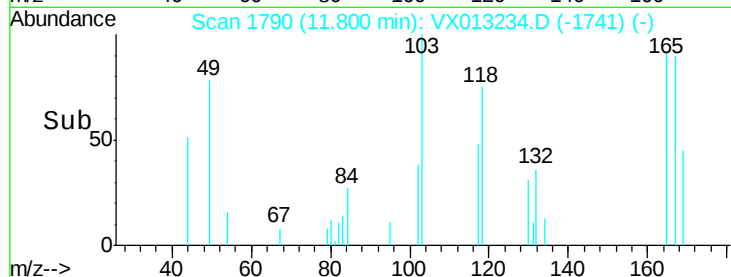
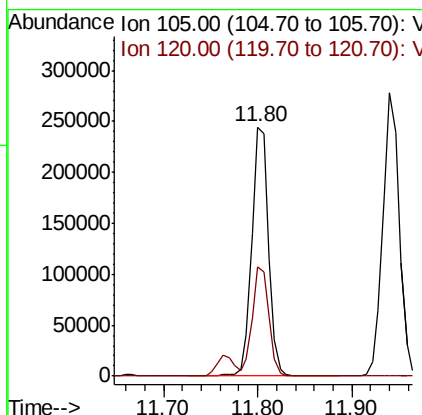
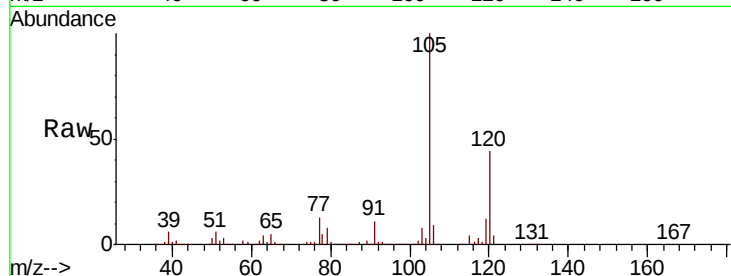
#84
1,2,4-Trimethylbenzene
Concen: 52.873 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.4	64.3

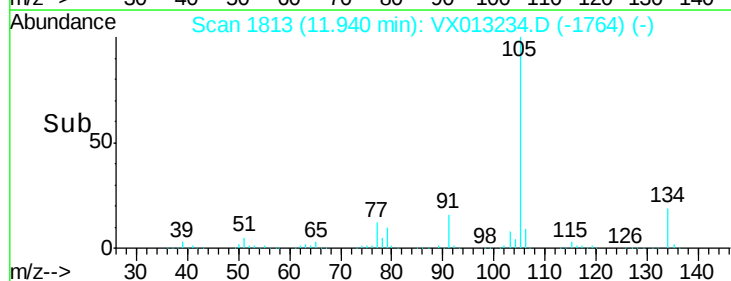
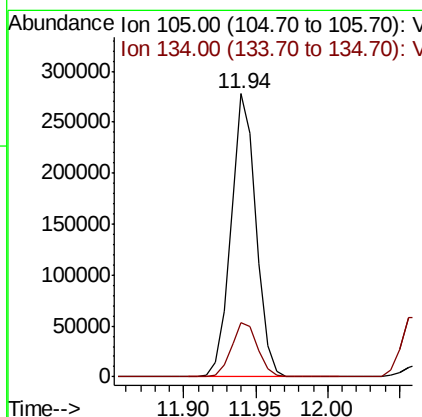
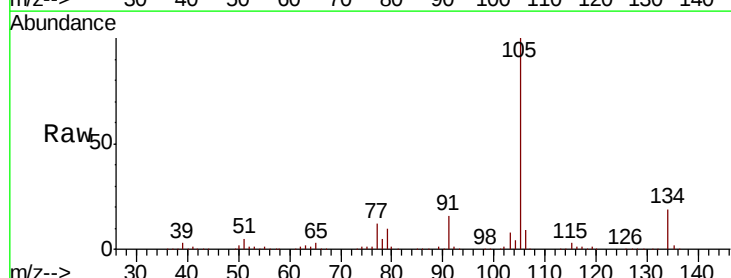
Manual Integrations
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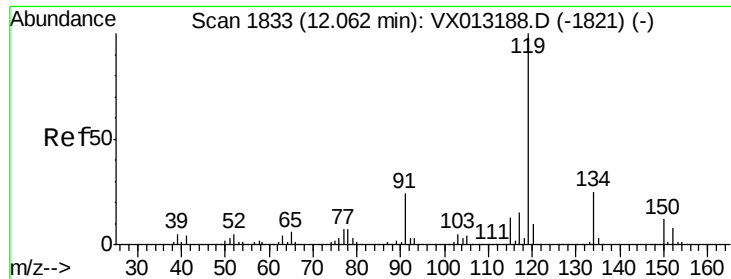
MMDadoda
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#85
sec-Butylbenzene
Concen: 52.308 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7





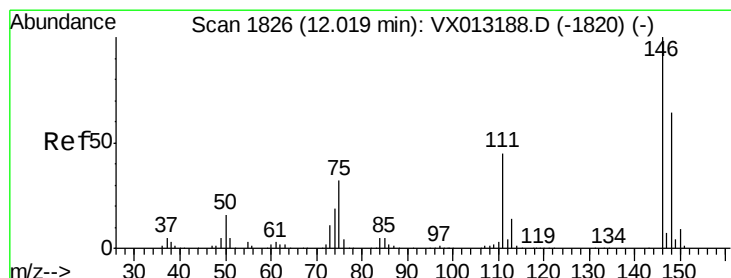
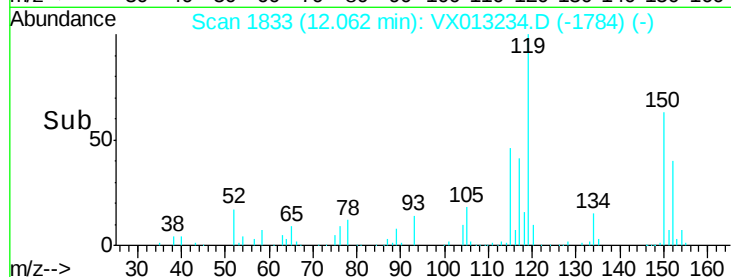
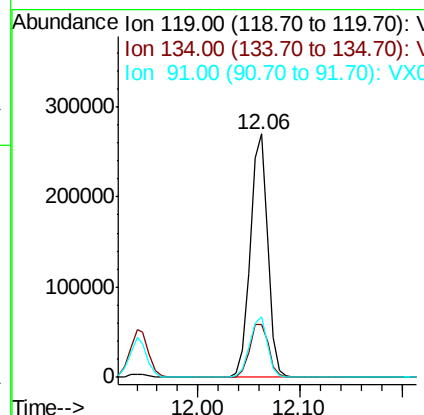
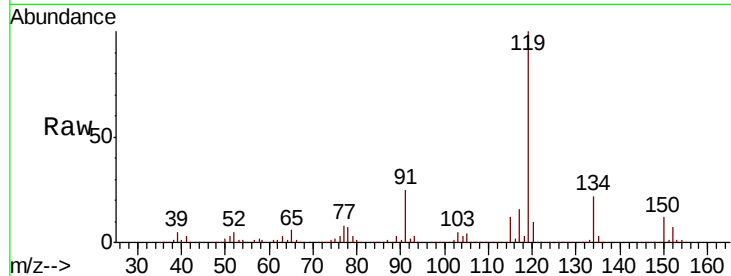
#86
 p-Isopropyltoluene
 Concen: 52.232 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	316973		
134	23.9	12.5	37.5	
91	25.1	12.4	37.2	

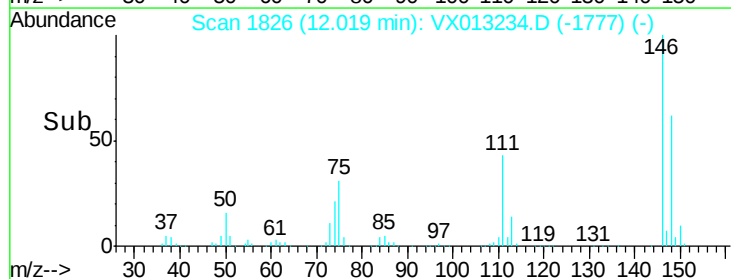
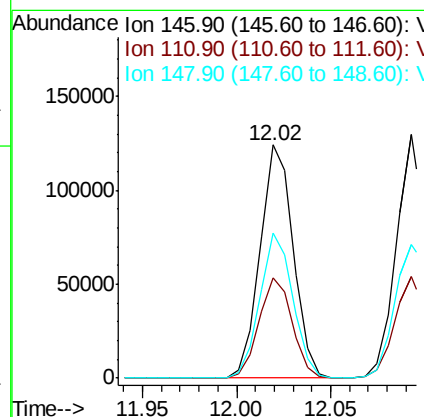
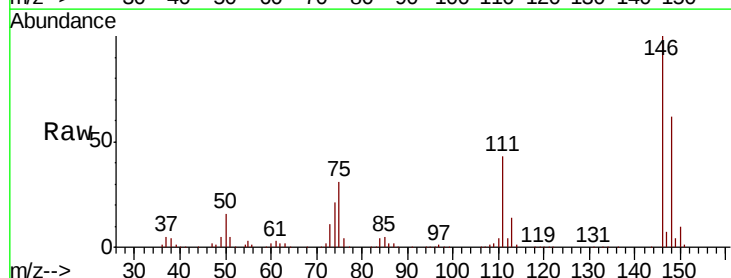
Manual Integrations
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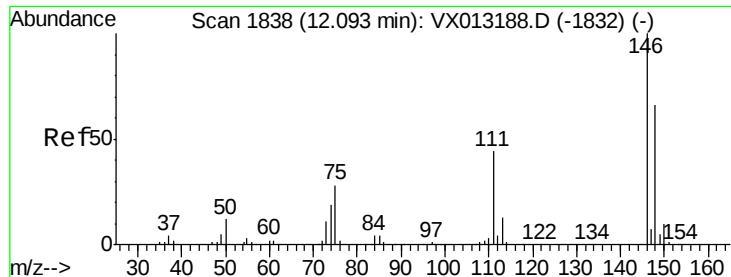
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#87
 1,3-Dichlorobenzene
 Concen: 50.746 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	151664		
111	42.9	21.3	63.9	
148	61.8	31.6	94.8	





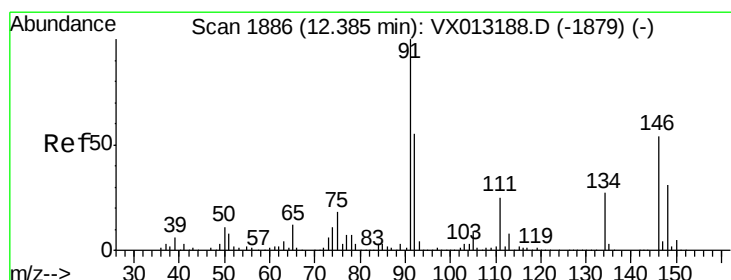
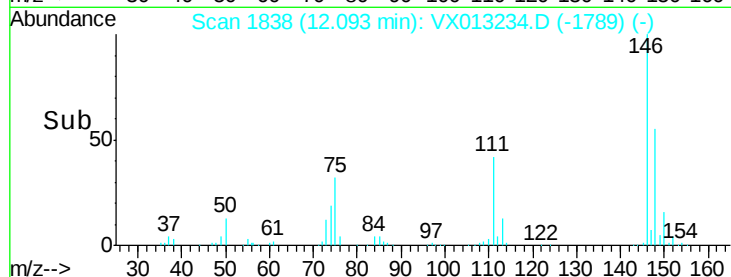
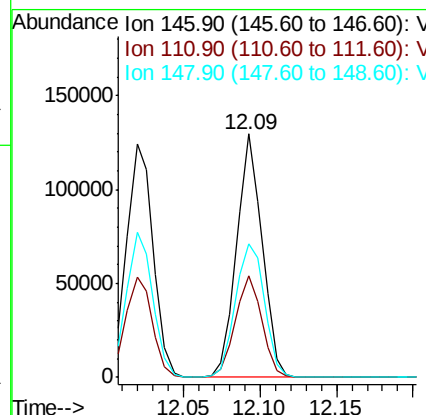
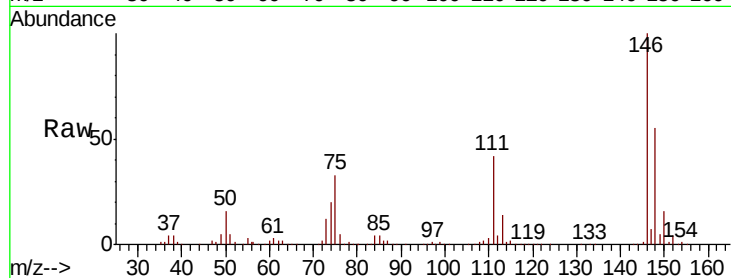
#88
 1,4-Dichlorobenzene
 Concen: 49.381 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.9
148	62.2	32.5	97.5

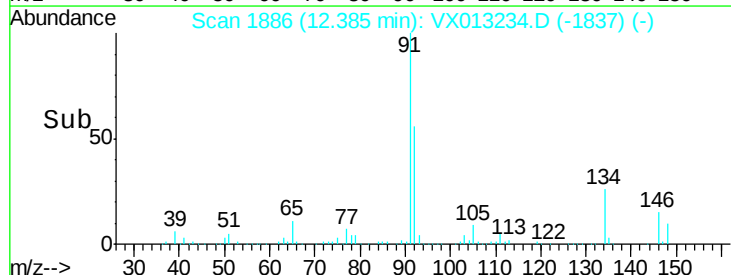
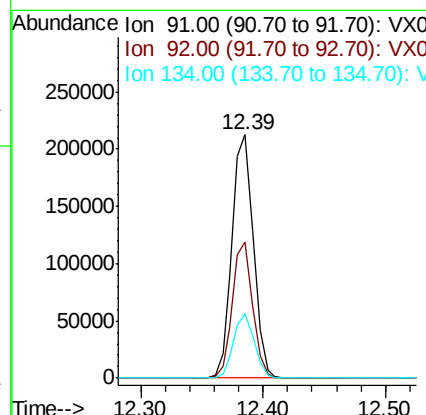
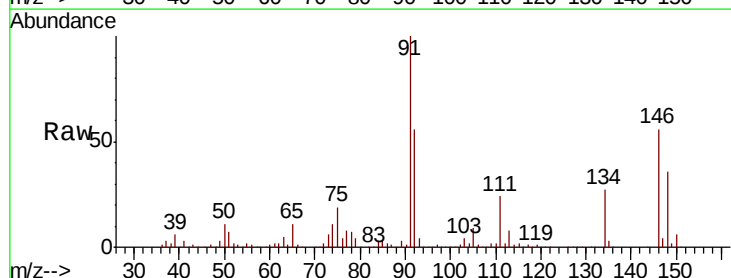
Manual Integrations
 APPROVED

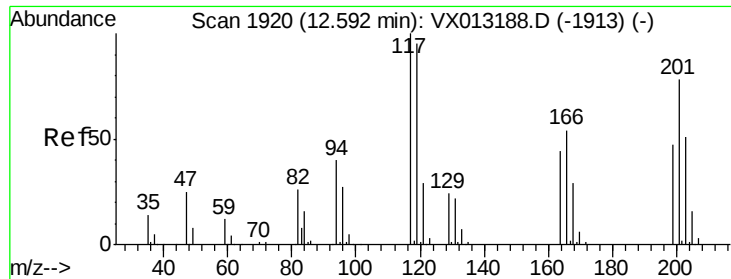
MMDadoda
 10/28/2019 12:53:02 PM



#89
 n-Butylbenzene
 Concen: 51.510 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.7	83.1
134	25.8	13.2	39.6





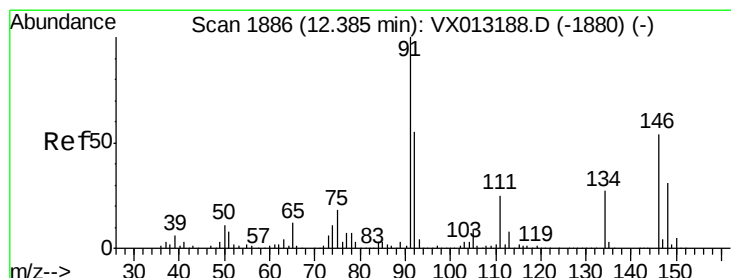
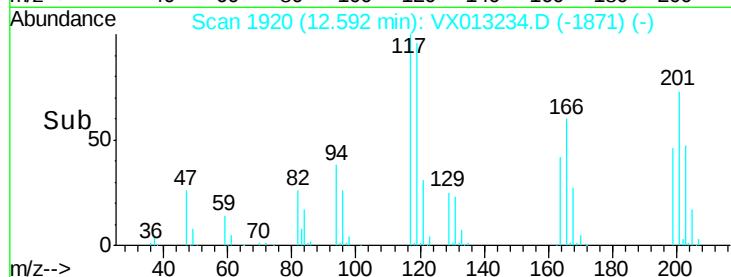
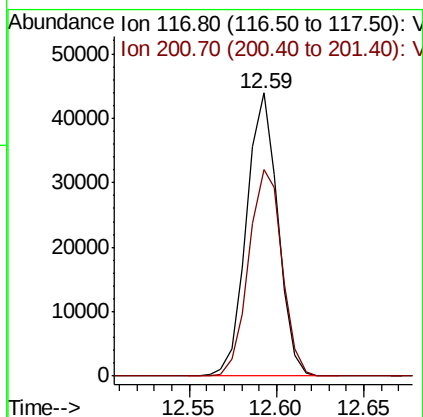
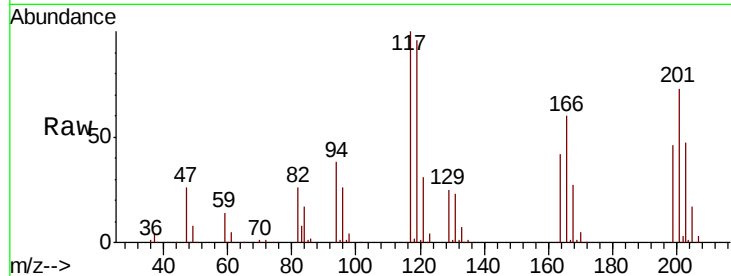
#90
Hexachloroethane
Concen: 54.000 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	77.9	39.0	116.9

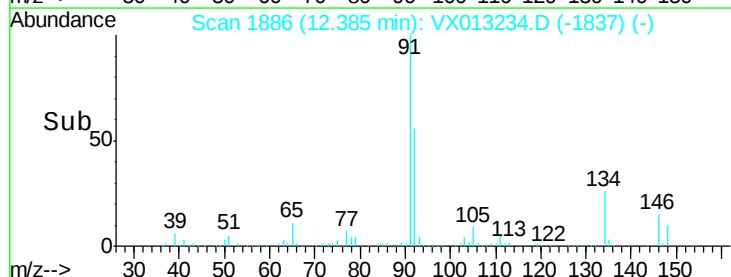
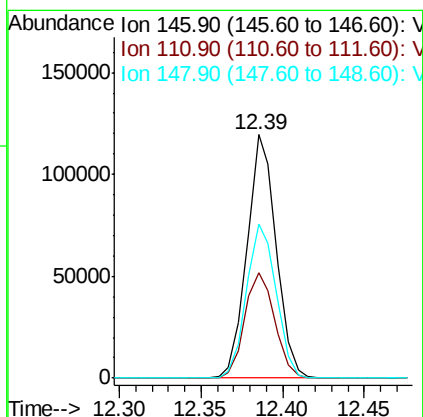
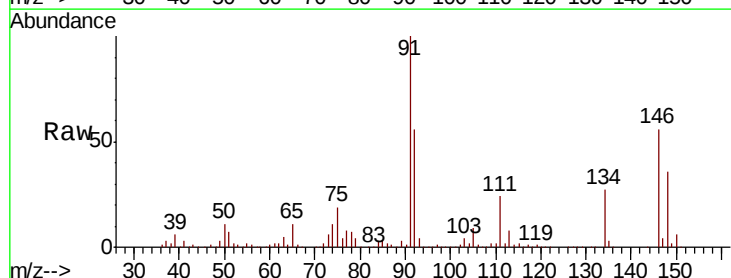
Manual Integrations
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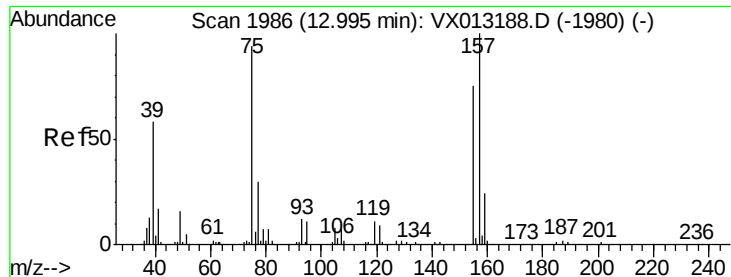
MMDadoda
10/28/2019 12:53:02 PM



#91
1,2-Dichlorobenzene
Concen: 50.753 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013234.D
Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.9	68.8
148	64.4	31.8	95.3





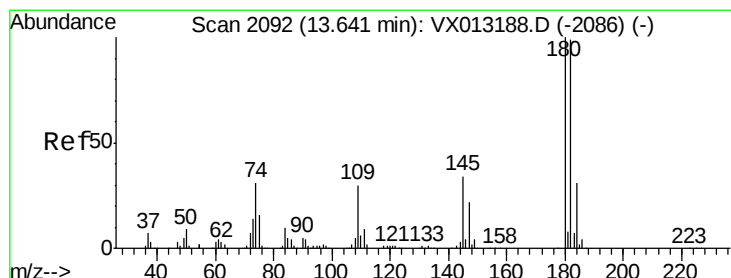
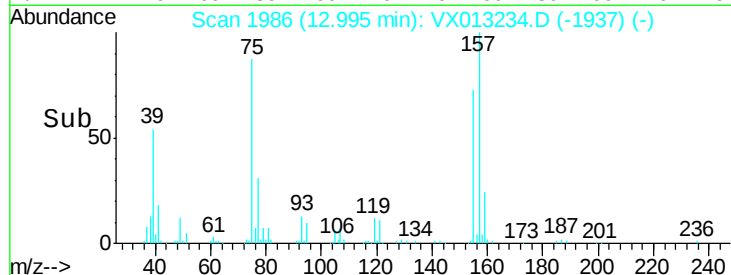
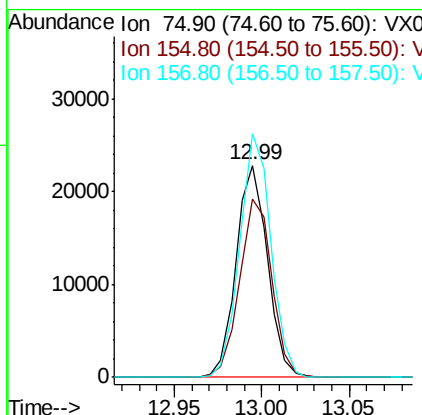
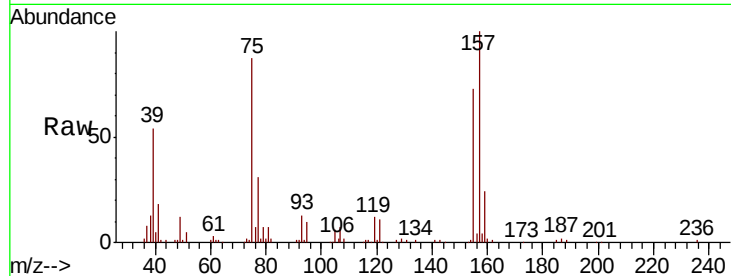
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.506 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	86.1	42.8	128.4
157	114.5	54.3	162.8

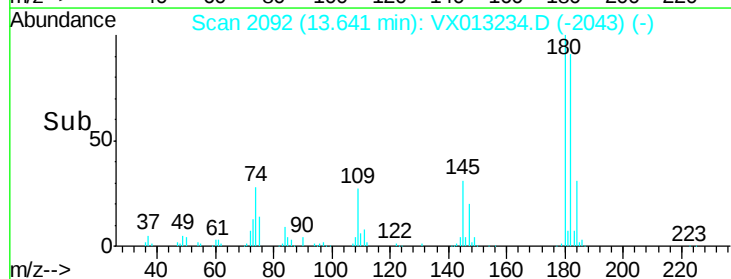
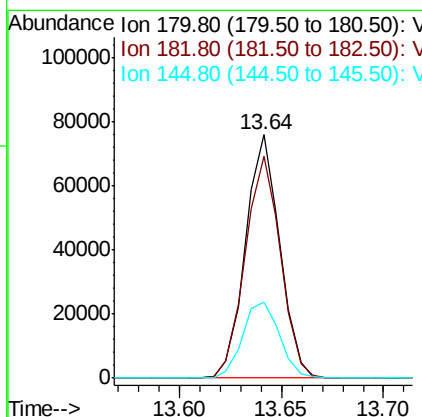
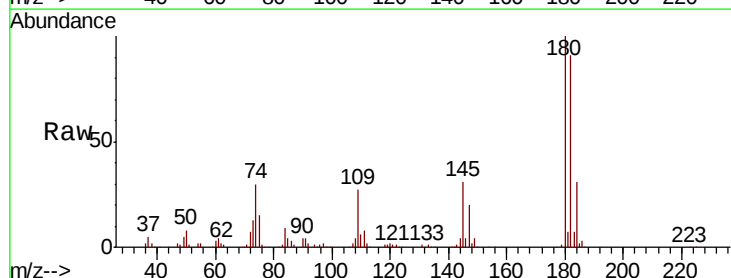
Manual Integrations
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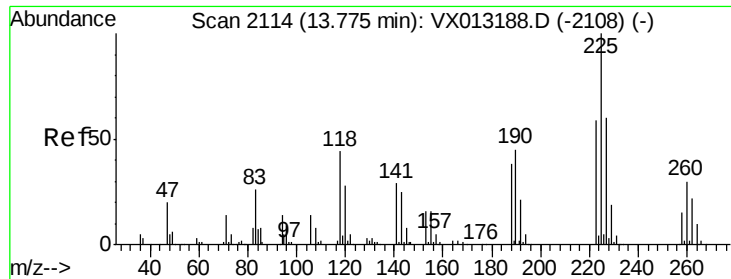
MMDadoda
 10/28/2019 12:53:02 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.997 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	45.9	137.6
145	33.5	15.9	47.6





#94

Hexachlorobutadiene

Concen: 46.153 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Instrument :

MSVOA_X

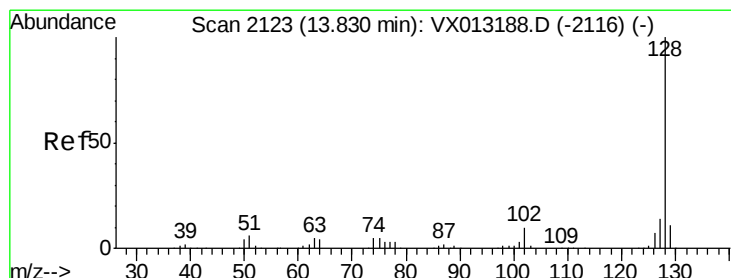
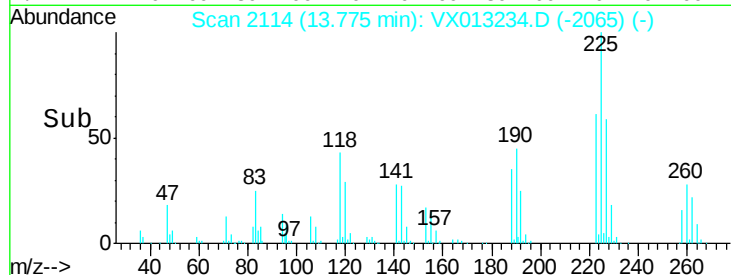
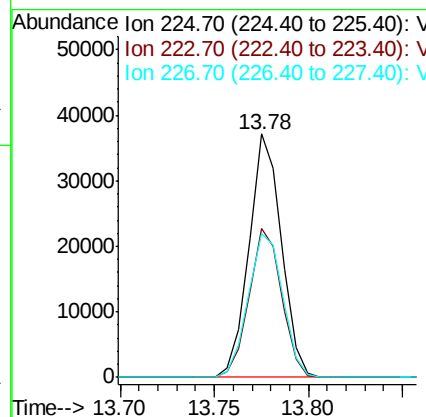
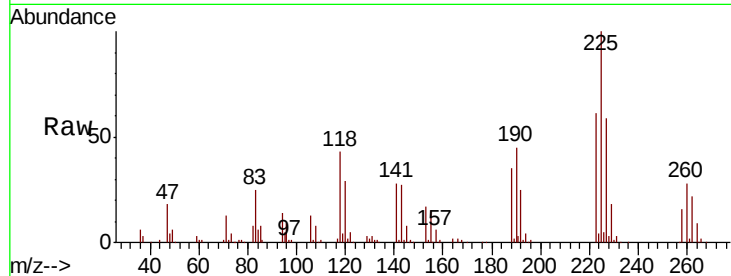
ClientSampleId :

GW809-8.0-13.0-102419MSD

Tot Ion:	225	Resp:	44182
Ion Ratio	Lower	Upper	
225	100		
223	61.5	30.9	92.5
227	63.2	30.3	90.9

Manual Integrations
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#95

Naphthalene

Concen: 52.400 ug/l

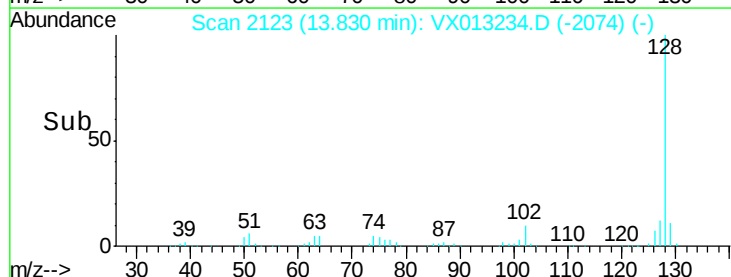
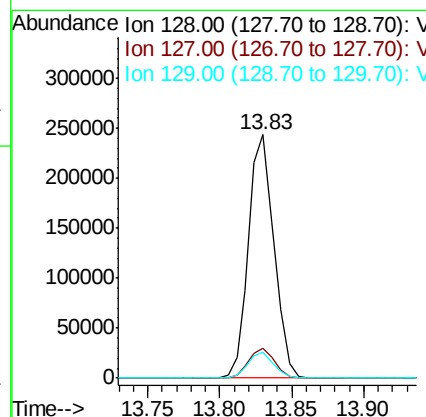
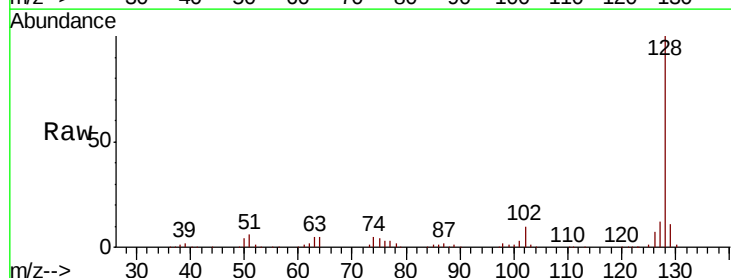
RT: 13.83 min Scan# 2123

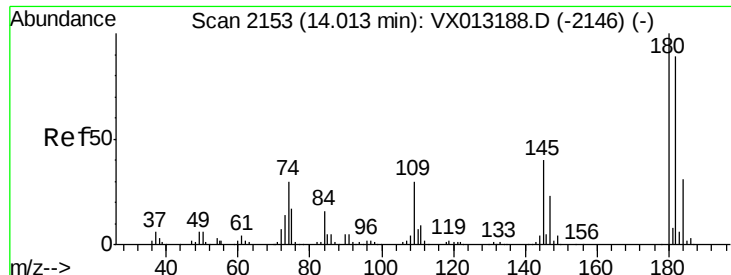
Delta R.T. -0.00 min

Lab File: VX013234.D

Acq: 25 Oct 2019 16:27

Tgt Ion:	128	Resp:	297618
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.7	16.1
129	10.5	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 48.807 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX013234.D
 Acq: 25 Oct 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-8.0-13.0-102419MSD

Tot Ion:	180	Resp:	89253
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.3	144.9
145	35.0	18.6	55.6

Manual Integrations
 APPROVED

MMDadoda
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