

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102120\
 Data File : VX019004.D
 Acq On : 21 Oct 2020 12:40
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 1:21:38 PM

Quant Time: Oct 22 02:41:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 01:59:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	350948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	638525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	571132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	263354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	228900	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	5.47	113	196576	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	8.70	98	782503	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.12	95	270101	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	1581	0.452	ug/l	98
3) Chloromethane	1.31	50	1298	0.373	ug/l	96
4) Vinyl Chloride	1.39	62	1605	0.391	ug/l	96
7) Trichlorofluoromethane	1.92	101	2239	0.323	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1738	0.529	ug/l	88
10) Methyl Iodide	2.50	142	2705	5.298	ug/l	94
12) 1,1-Dichloroethene	2.36	96	1813	0.531	ug/l #	69
17) Carbon Disulfide	2.55	76	14388	1.460	ug/l	100
20) Methylene Chloride	2.84	84	1306	0.328	ug/l #	87
21) trans-1,2-Dichloroethene	3.14	96	2835	0.711	ug/l	99
23) Vinyl Acetate	3.79	43	4411	0.533	ug/l #	91
27) cis-1,2-Dichloroethene	4.56	96	1820	0.402	ug/l	85
31) Cyclohexane	5.55	56	1719	0.349	ug/l #	76
39) Methylcyclohexane	7.45	83	2895	0.451	ug/l	97
44) Trichloroethene	7.18	130	1989	0.404	ug/l	95
46) Dibromomethane	7.65	93	1076	0.349	ug/l	91
53) t-1,3-Dichloropropene	9.03	75	2383	0.349	ug/l #	79
64) Tetrachloroethene	9.32	164	2317	0.533	ug/l	94
65) Chlorobenzene	10.12	112	3747	0.313	ug/l	89
67) Ethyl Benzene	10.24	91	5289	0.256	ug/l	99
68) m/p-Xylenes	10.34	106	4482	0.567	ug/l	99
73) Isopropylbenzene	11.00	105	4873	0.257	ug/l	90
77) Bromobenzene	11.24	156	1487	0.311	ug/l	75
78) n-propylbenzene	11.34	91	9478	0.442	ug/l	99
79) 2-Chlorotoluene	11.40	91	4401	0.351	ug/l	96
80) 1,3,5-Trimethylbenzene	11.49	105	5074	0.324	ug/l	95
82) 4-Chlorotoluene	11.49	91	7357	0.494	ug/l	97
83) tert-Butylbenzene	11.76	119	4105	0.266	ug/l	86
84) 1,2,4-Trimethylbenzene	11.79	105	4994	0.319	ug/l	97
85) sec-Butylbenzene	11.93	105	8086	0.434	ug/l	99
86) p-Isopropyltoluene	12.05	119	7702	0.452	ug/l #	81
87) 1,3-Dichlorobenzene	12.01	146	5096	0.581	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	6024m	0.669	ug/l	
89) n-Butylbenzene	12.37	91	11886	0.762	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102120\
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MSVOA_X
ClientSampleId :
IBLK

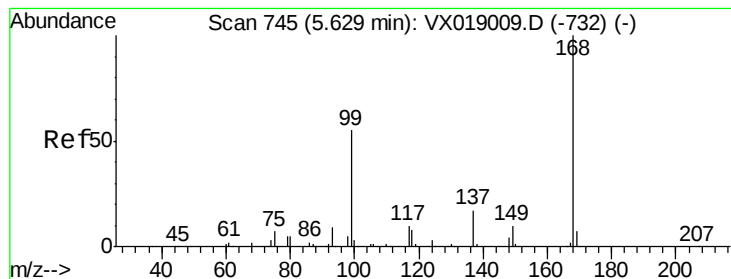
Manual Integrations
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Quant Time: Oct 22 02:41:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 01:59:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	12.58	117	658	0.252	ug/l	85
91) 1,2-Dichlorobenzene	12.38	146	3503	0.428	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.98	75	640	0.492	ug/l	74
93) 1,2,4-Trichlorobenzene	13.63	180	6532	1.091	ug/l	96
94) Hexachlorobutadiene	13.76	225	3447	1.242	ug/l	93
95) Naphthalene	13.82	128	17335	0.920	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	6372	1.093	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

ClientSampled :

IBLK

Tot Ion:168 Resp: 350948

Ion Ratio Lower Upper

168 100

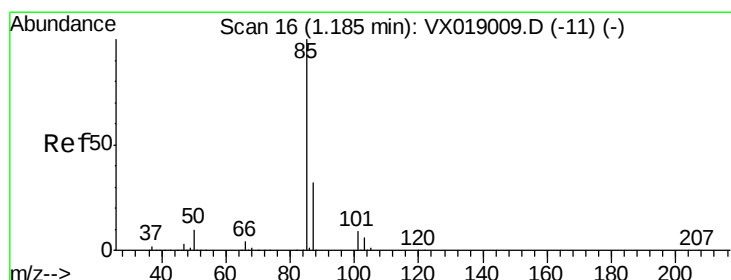
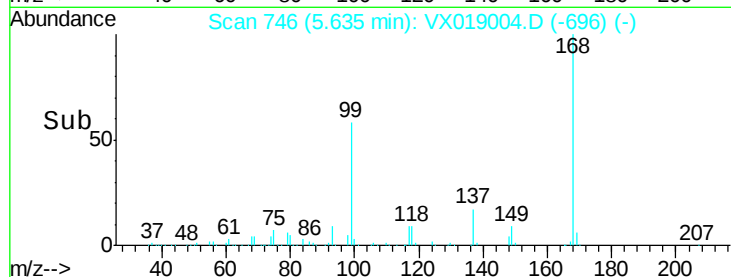
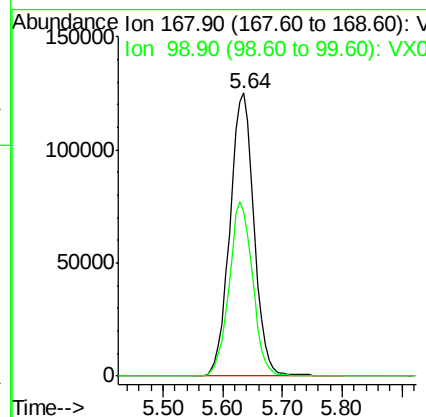
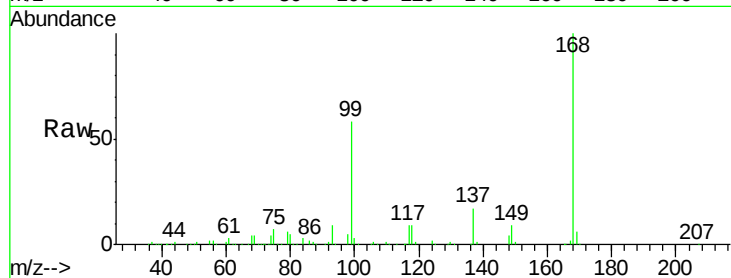
99 58.1 44.2 66.2

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#2

Dichlorodifluoromethane

Concen: 0.452 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019004.D

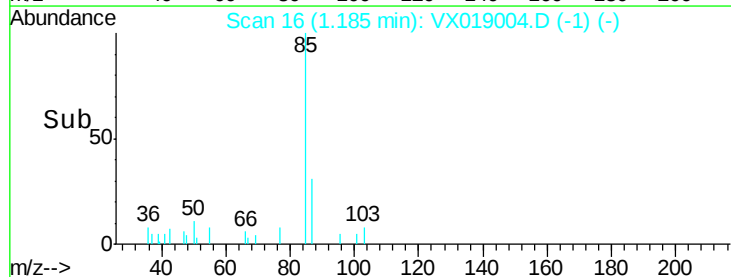
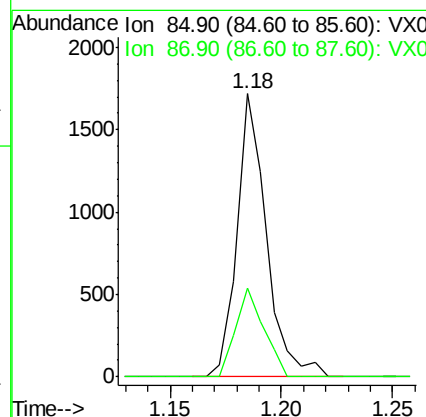
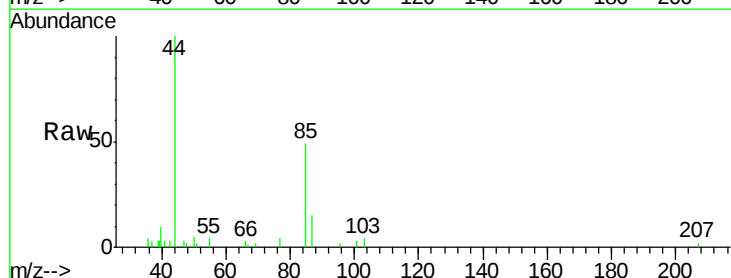
Acq: 21 Oct 2020 12:40

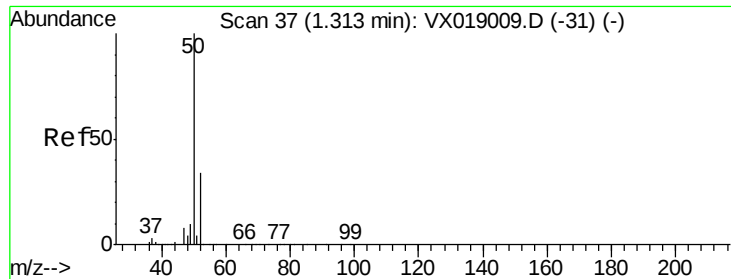
Tgt Ion: 85 Resp: 1581

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.6





#3

Chloromethane

Concen: 0.373 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tot Ion: 50 Resp: 1298

Ion Ratio Lower Upper

50 100

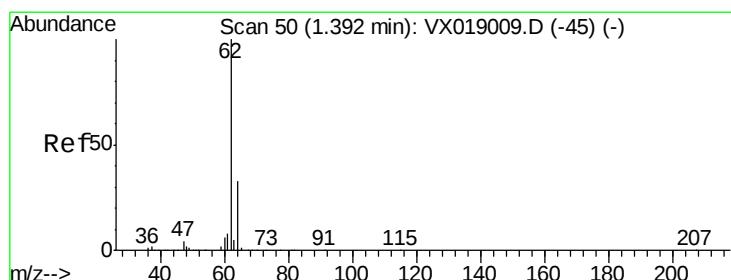
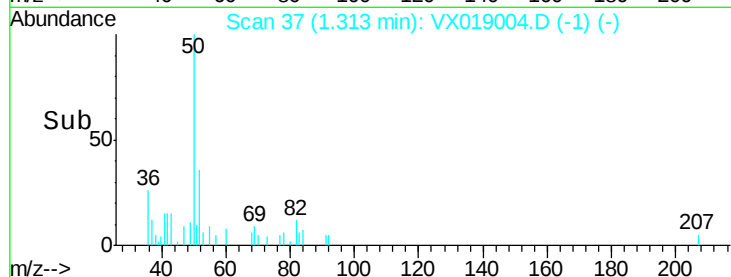
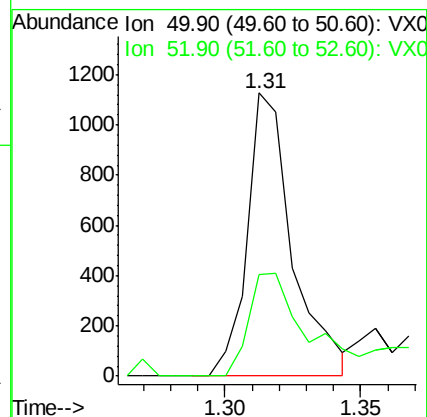
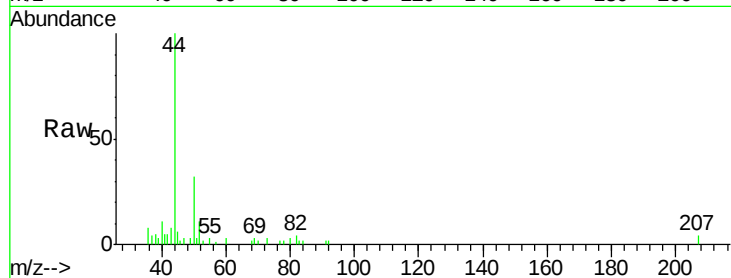
52 35.9 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.391 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019004.D

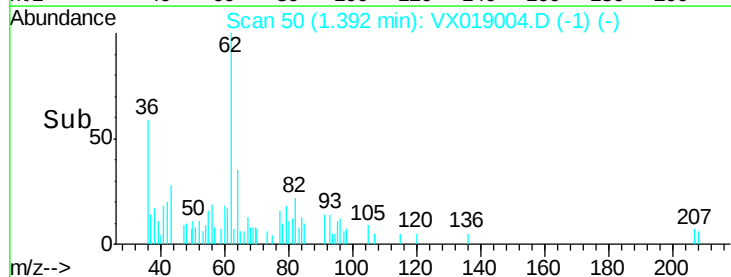
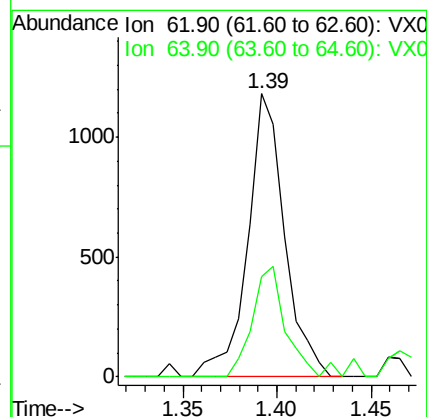
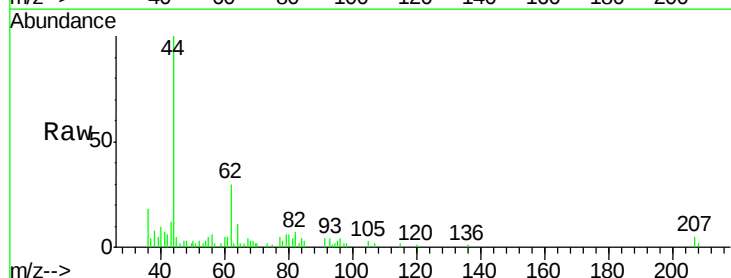
Acq: 21 Oct 2020 12:40

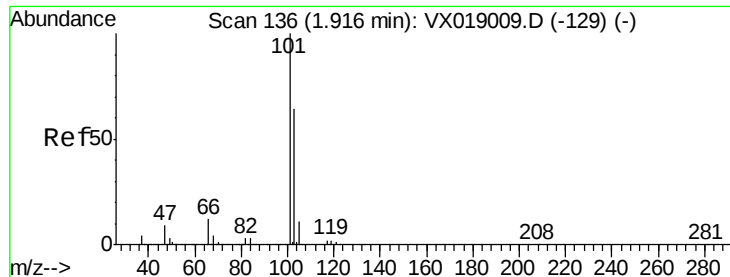
Tgt Ion: 62 Resp: 1605

Ion Ratio Lower Upper

62 100

64 35.3 26.5 39.7





#7

Trichlorofluoromethane

Concen: 0.323 ug/l

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

ClientSampled :

IBLK

Tot Ion:101 Resp: 2239

Ion Ratio Lower Upper

101 100

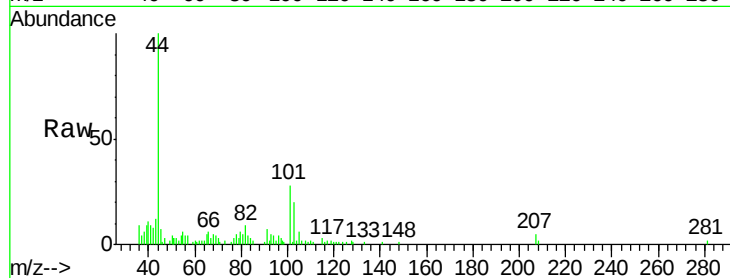
103 61.9 51.2 76.8

Manual Integrations

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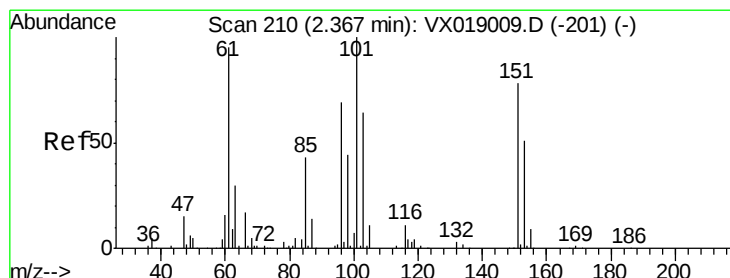
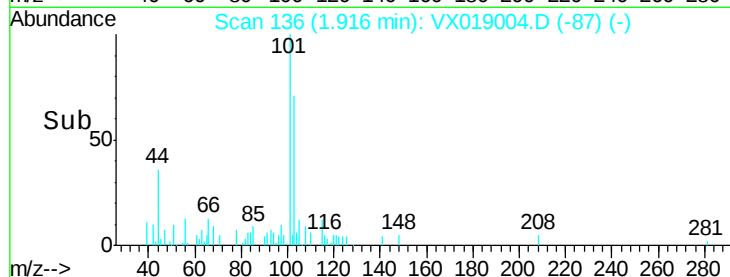
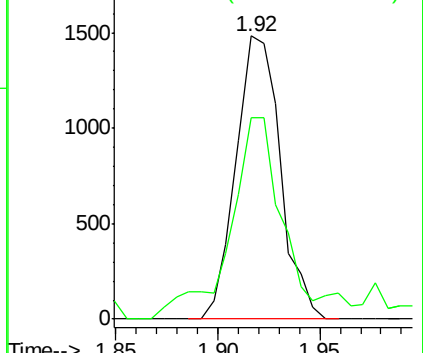
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.529 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

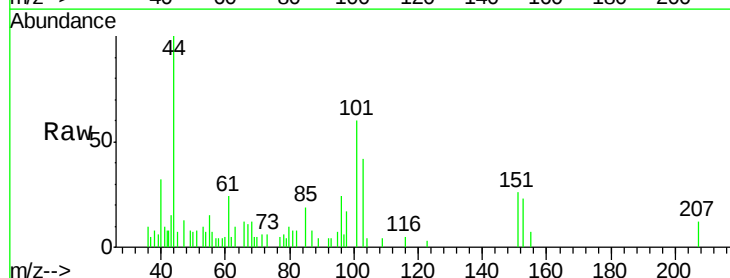
Tgt Ion:101 Resp: 1738

Ion Ratio Lower Upper

101 100

85 48.5 35.2 52.8

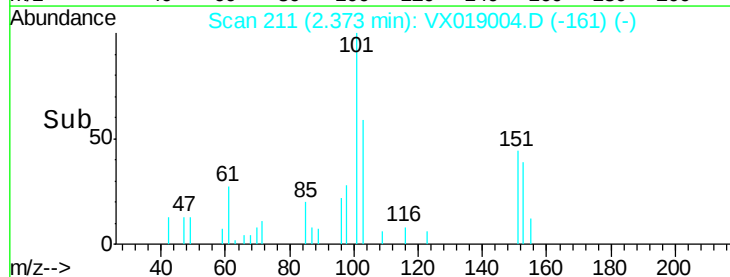
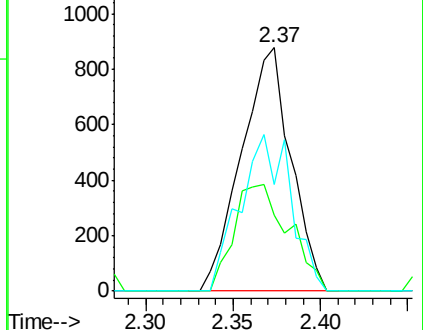
151 65.7 62.4 93.6

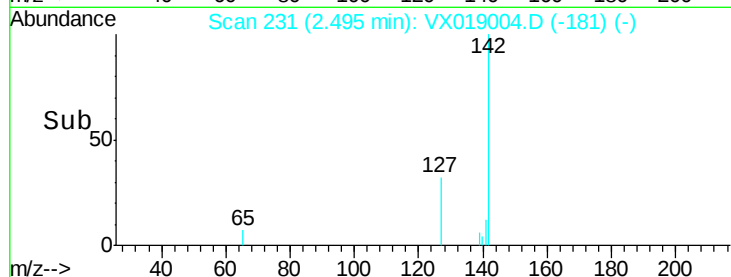
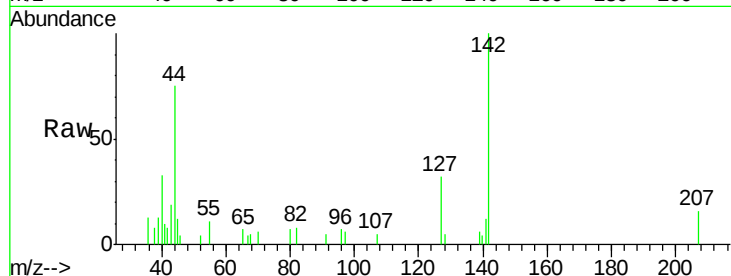
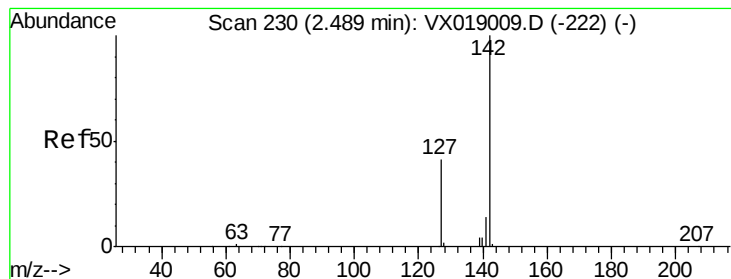


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V





#10

Methyl Iodide

Concen: 5.298 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019004.D

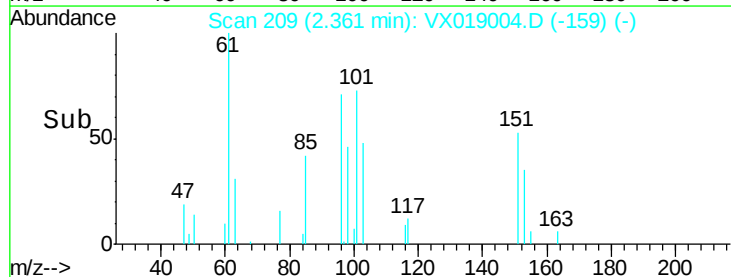
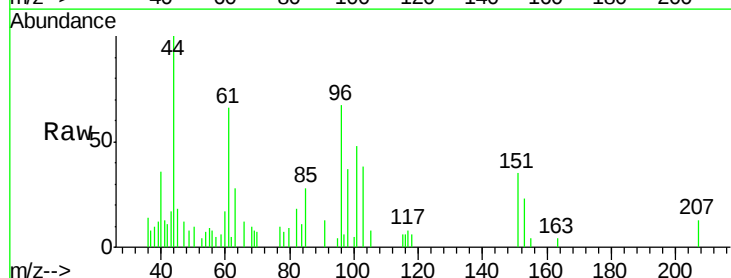
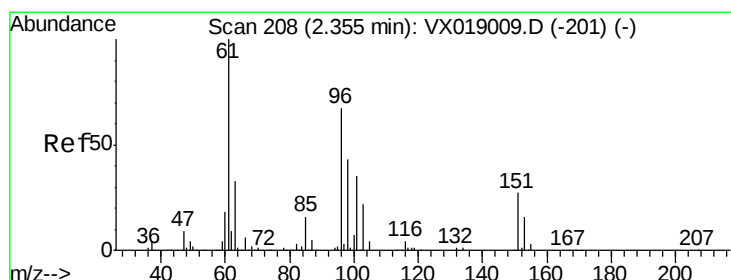
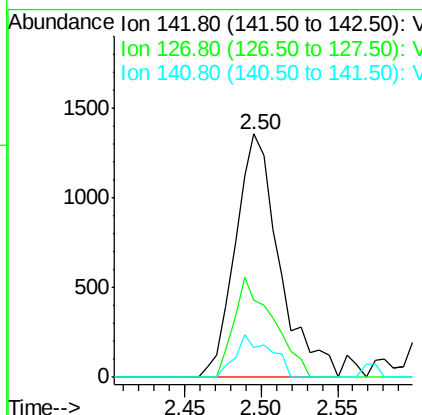
Acq: 21 Oct 2020 12:40

Tot Ion:	142	Resp:	2705
Ion Ratio	Lower	Upper	
142	100		
127	36.7	33.6	50.4
141	13.9	11.2	16.8

Instrument :
MSVOA_X
ClientSampled :
IBLK

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.531 ug/l

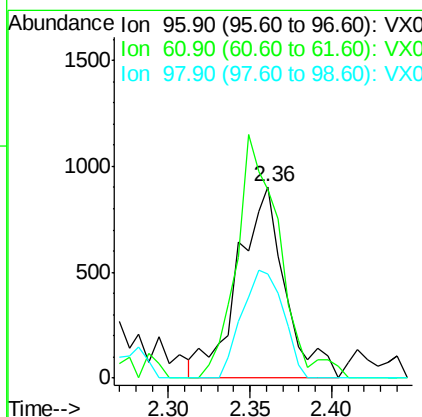
RT: 2.36 min Scan# 209

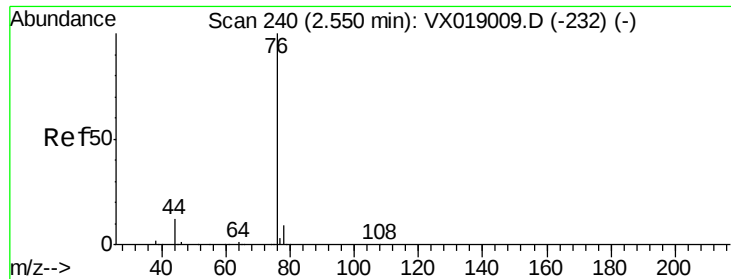
Delta R.T. 0.01 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion:	96	Resp:	1813
Ion Ratio	Lower	Upper	
96	100		
61	98.7	119.0	178.6#
98	54.7	51.0	76.4





#17

Carbon Disulfide

Concen: 1.460 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

ClientSampled :

IBLK

Tot Ion: 76 Resp: 14388

Ion Ratio Lower Upper

76 100

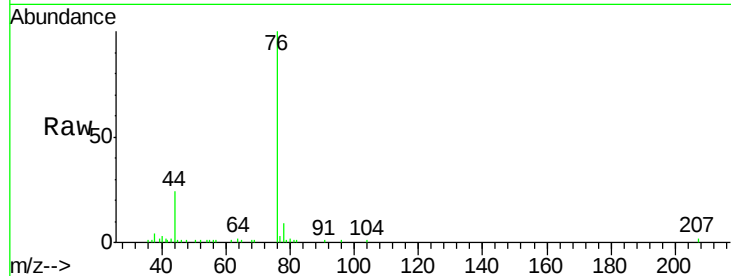
78 8.7 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

8000

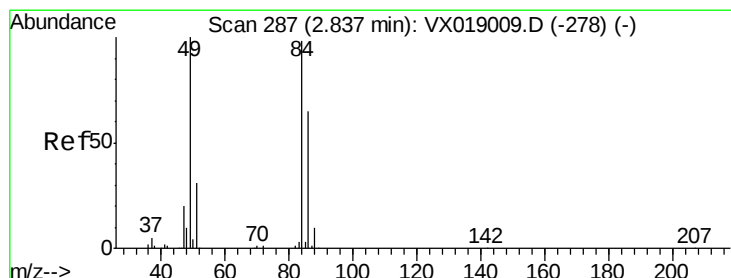
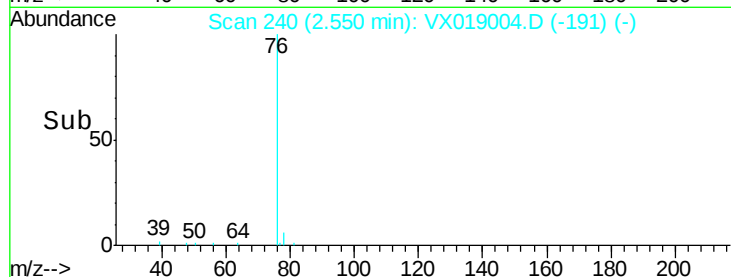
6000

4000

2000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#20

Methylene Chloride

Concen: 0.328 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion: 84 Resp: 1306

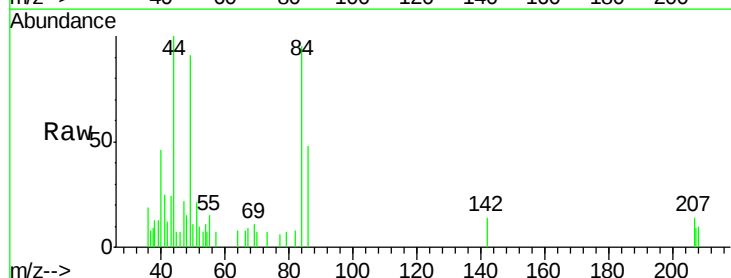
Ion Ratio Lower Upper

84 100

49 96.0 81.6 122.4

51 21.8 25.6 38.4#

86 50.6 53.3 79.9#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1200

1000

800

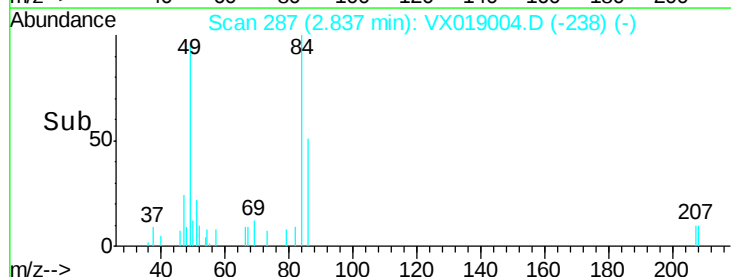
600

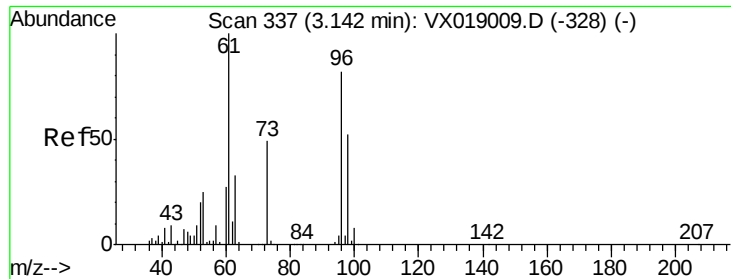
400

200

0

Time--> 2.75 2.80 2.85 2.90





#21

trans-1,2-Dichloroethene

Concen: 0.711 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

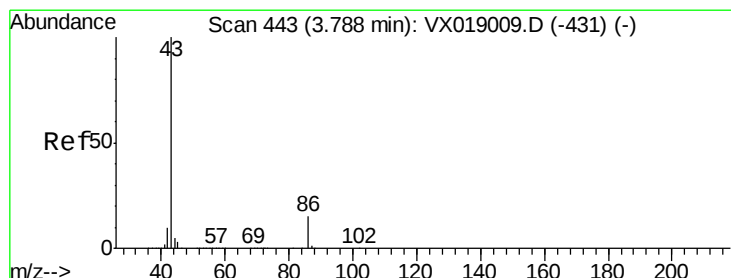
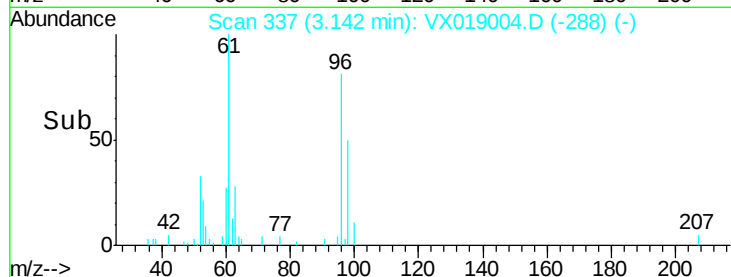
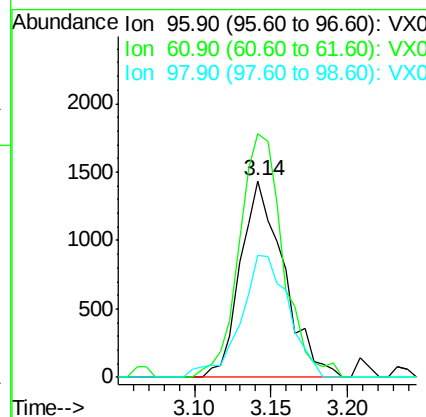
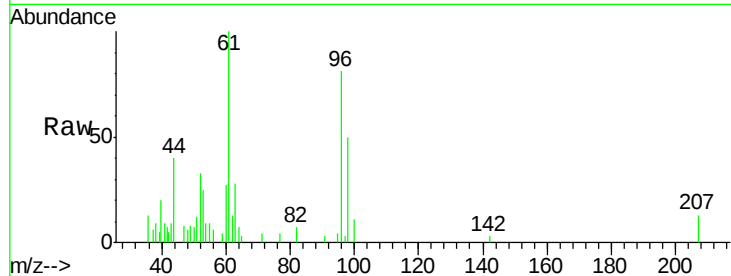
ClientSampled :

IBLK

Tot Ion:	96	Resp:	2835
Ion	Ratio	Lower	Upper
96	100		
61	123.9	97.8	146.6
98	62.4	50.7	76.1

Manual Integrations
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#23

Vinyl Acetate

Concen: 0.533 ug/l

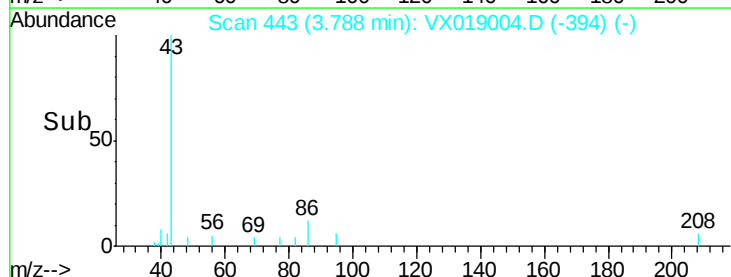
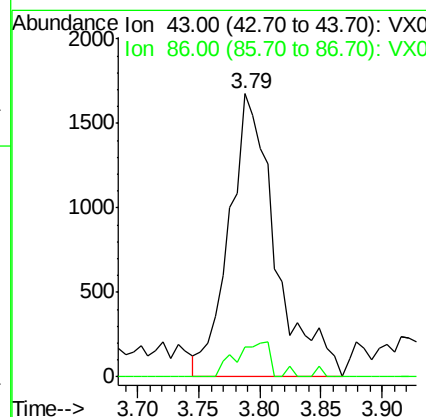
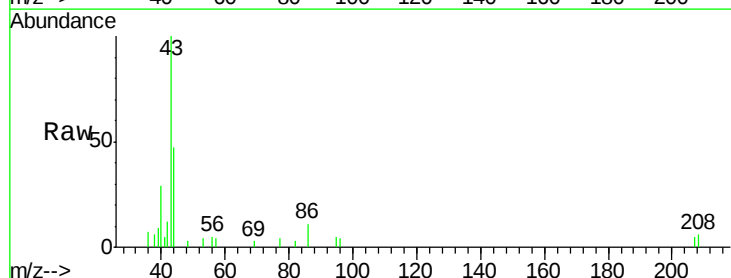
RT: 3.79 min Scan# 443

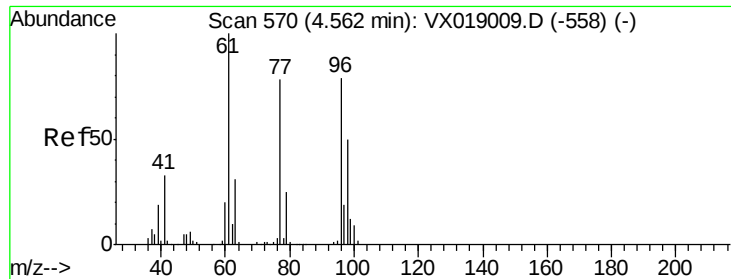
Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion:	43	Resp:	4411
Ion	Ratio	Lower	Upper
43	100		
86	10.8	11.7	17.5#





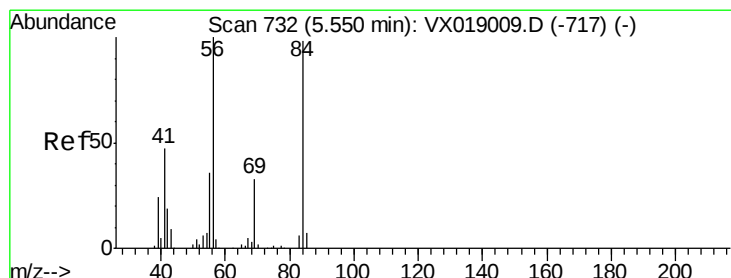
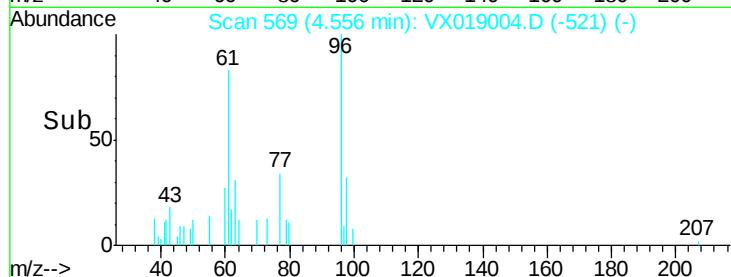
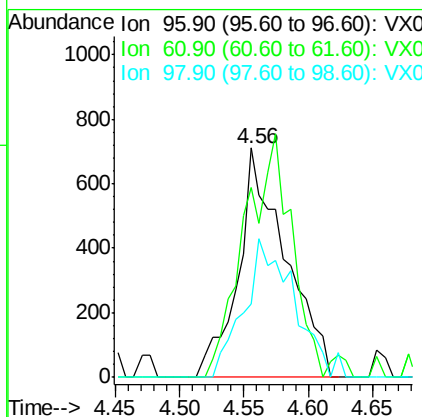
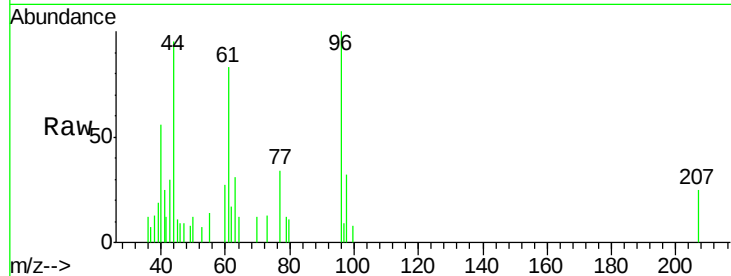
#27
 cis-1,2-Dichloroethene
 Concen: 0.402 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

Tot Ion	Ratio	Resp	Lower	Upper
96	100	1820		
61	105.8	0.0	260.0	
98	63.4	0.0	131.4	

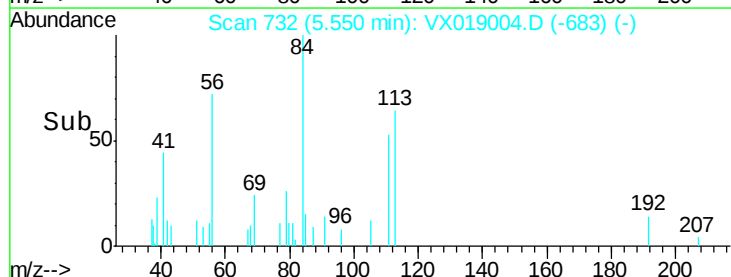
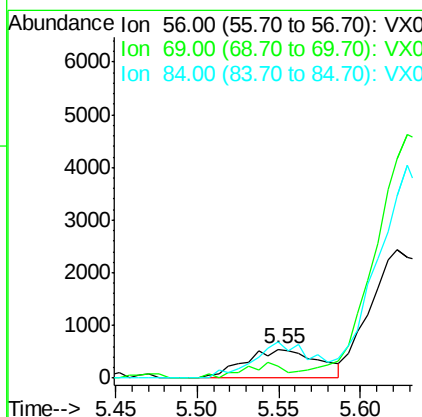
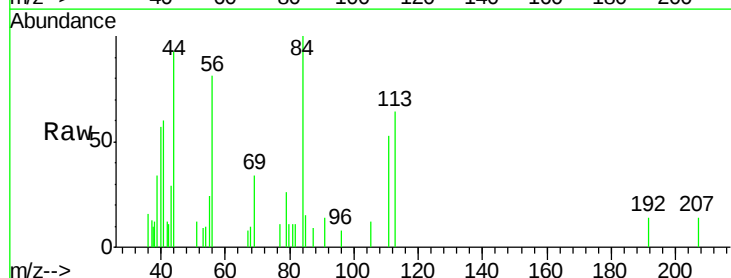
Manual Integrations
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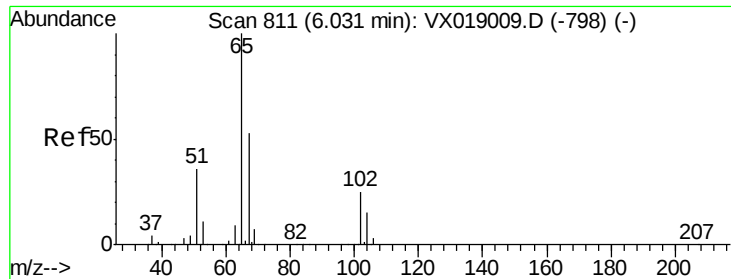
MMDadoda
 10/22/2020 1:21:38 PM



#31
 Cyclohexane
 Concen: 0.349 ug/l
 RT: 5.55 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	1719		
69	42.4	26.2	39.2#	
84	123.6	78.3	117.5#	





#33

1,2-Dichloroethane-d4

Concen: 54.451 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

ClientSampled :

IBLK

Tot Ion: 65 Resp: 228900

Ion Ratio Lower Upper

65 100

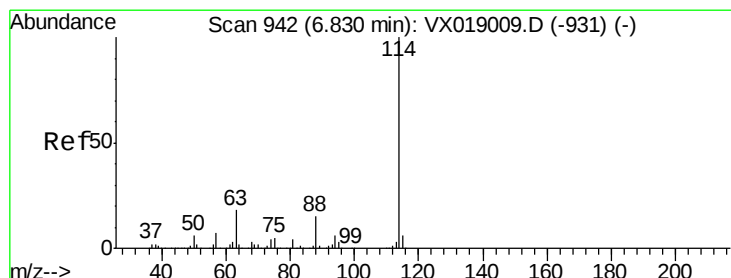
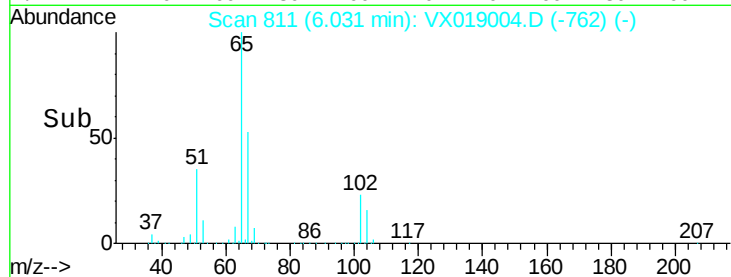
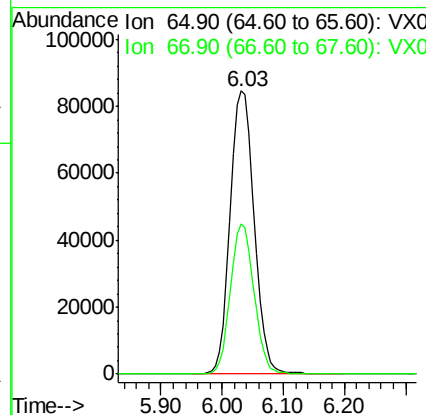
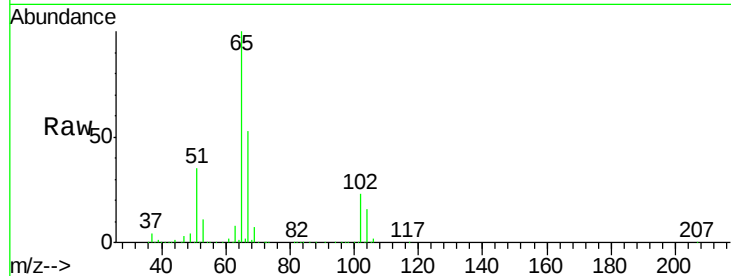
67 51.8 0.0 107.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

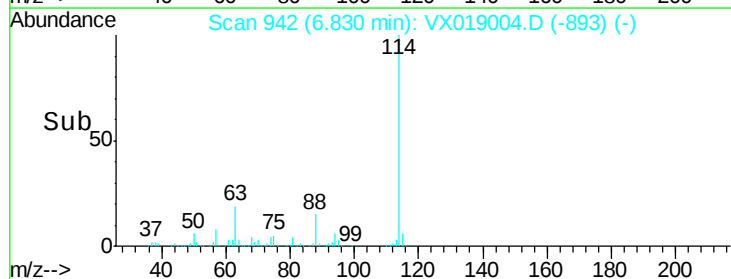
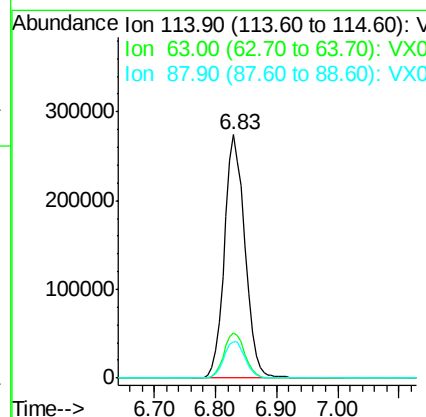
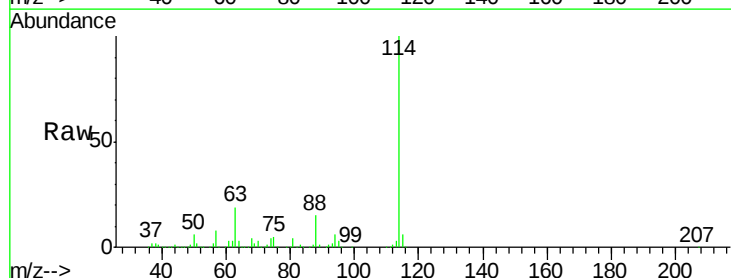
Tgt Ion: 114 Resp: 638525

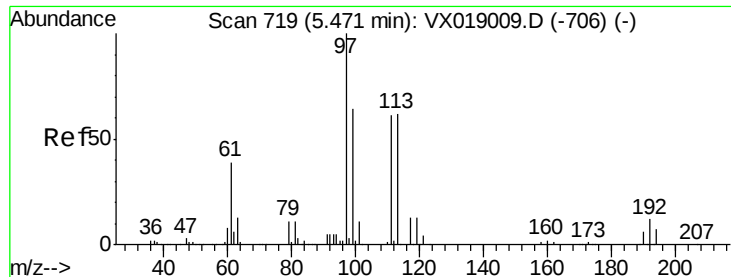
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.625 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

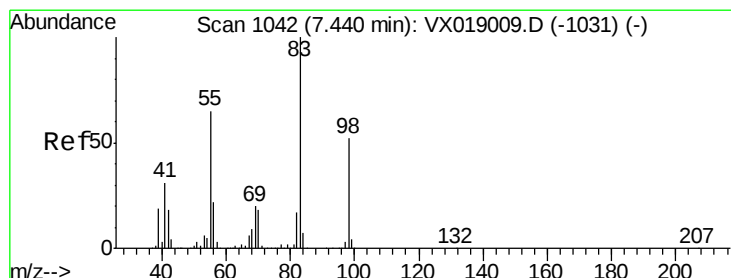
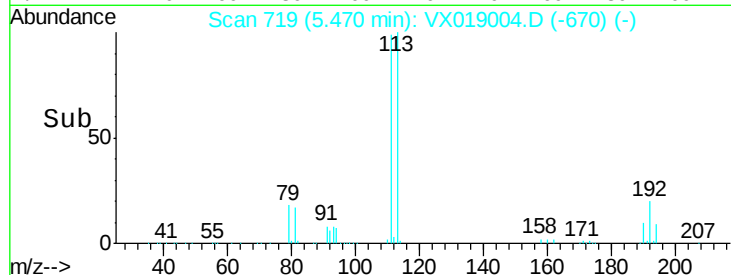
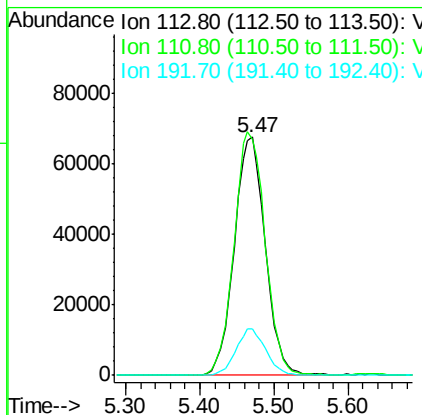
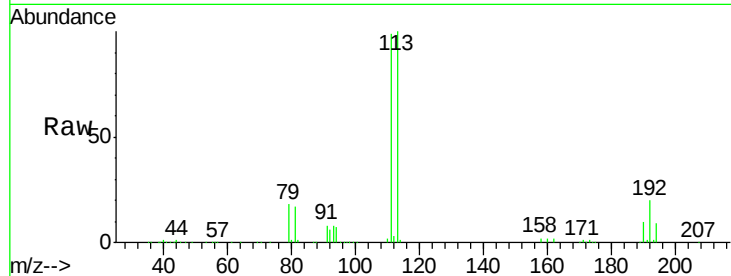
ClientSampled :

IBLK

Tot Ion:	113	Resp:	196576
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.5	122.3
192	18.8	16.3	24.5

Manual Integrations
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#39

Methylcyclohexane

Concen: 0.451 ug/l

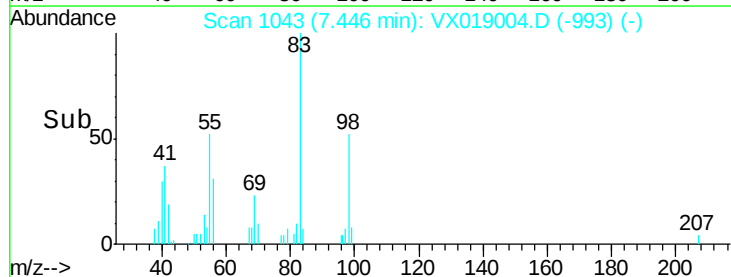
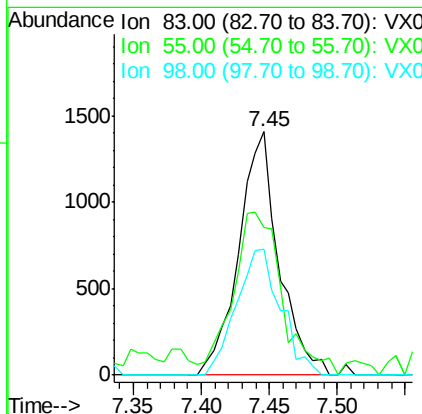
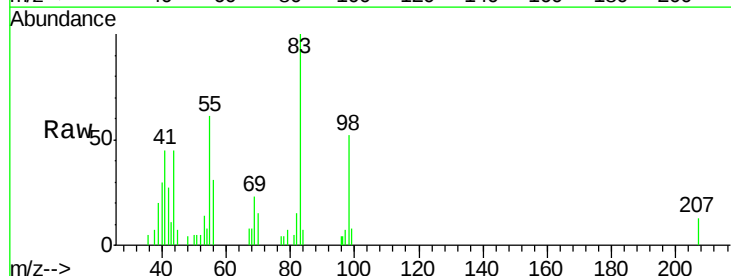
RT: 7.45 min Scan# 1043

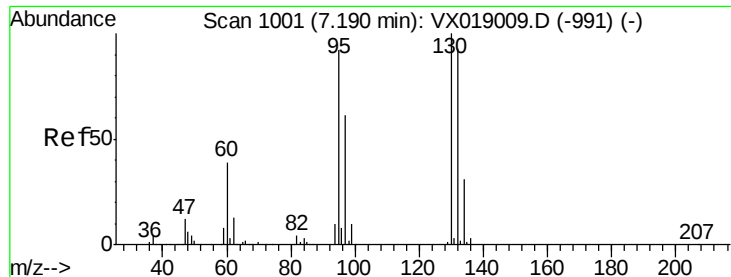
Delta R.T. 0.01 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion:	83	Resp:	2895
Ion Ratio	Lower	Upper	
83	100		
55	60.8	51.8	77.6
98	51.5	41.4	62.2





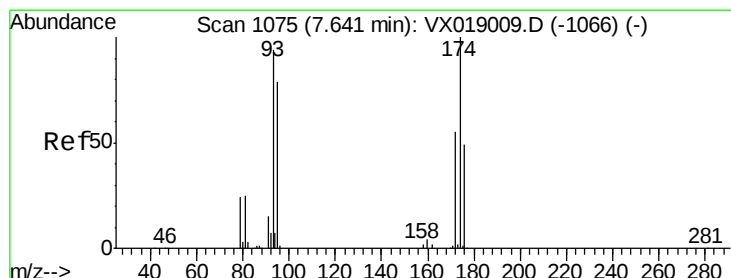
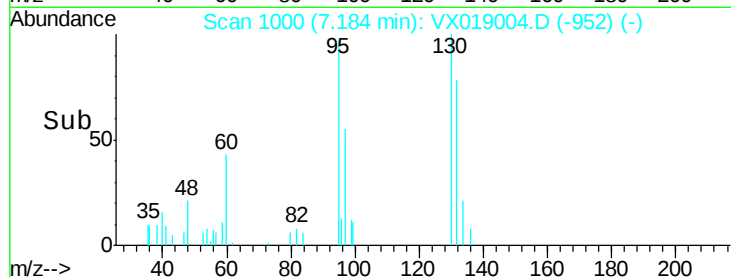
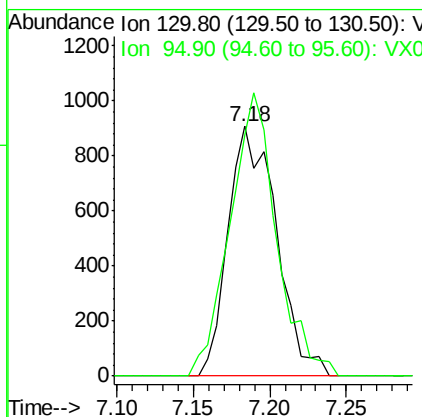
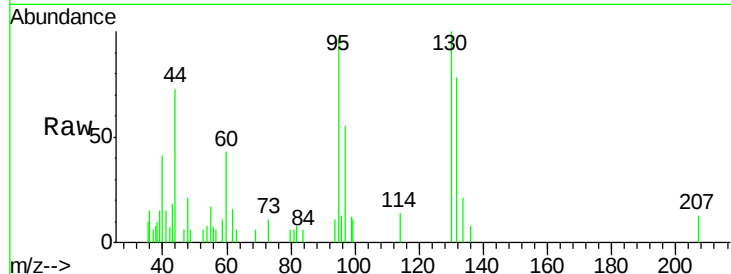
#44
 Trichloroethene
 Concen: 0.404 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tot Ion:130 Resp: 1989
 Ion Ratio Lower Upper
 130 100
 95 96.6 0.0 184.2

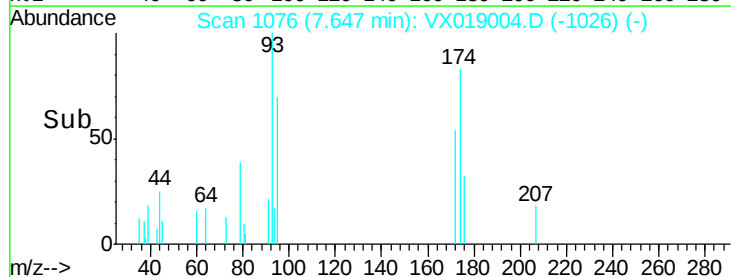
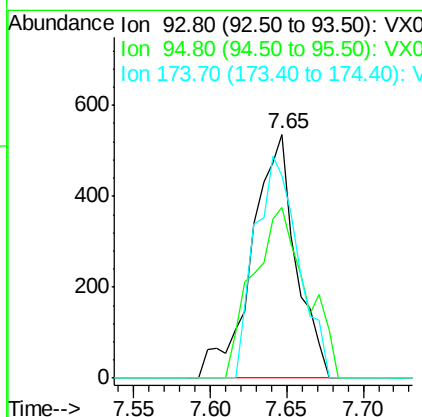
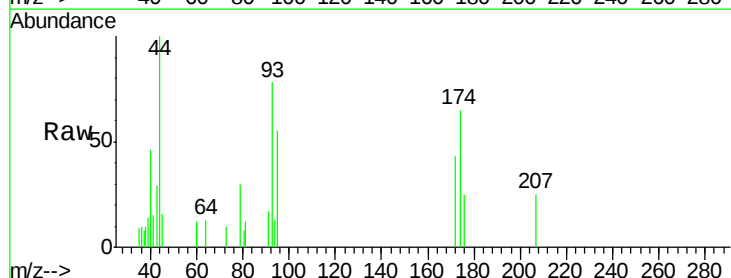
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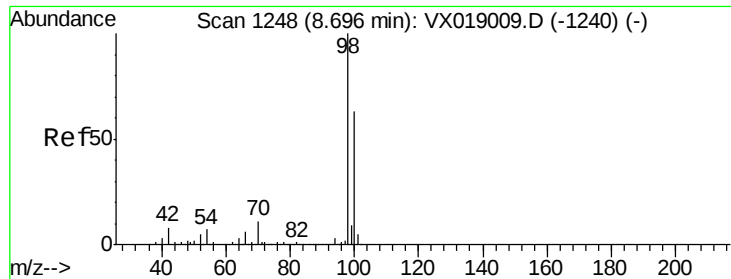
MMDadoda
 10/22/2020 1:21:38 PM



#46
 Dibromomethane
 Concen: 0.349 ug/l
 RT: 7.65 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Tgt Ion: 93 Resp: 1076
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.8 100.2
 174 89.6 83.8 125.8





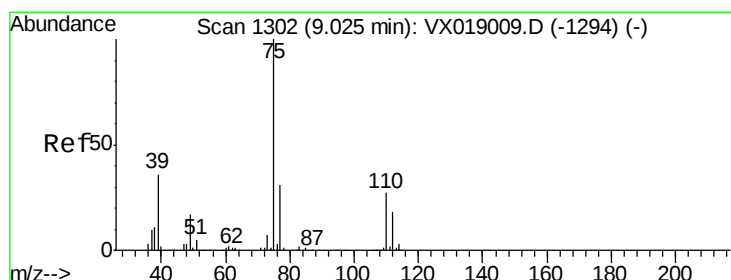
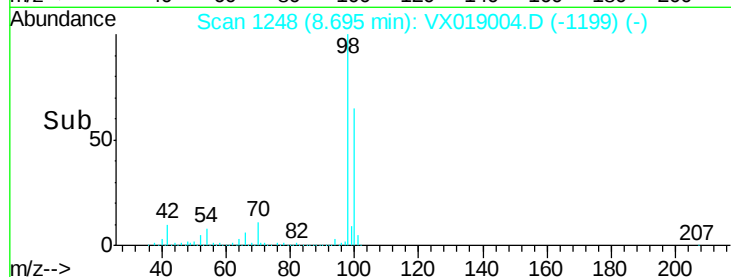
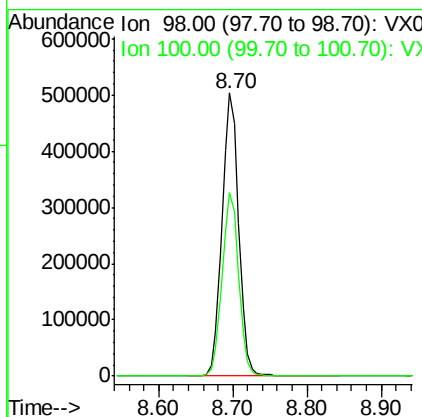
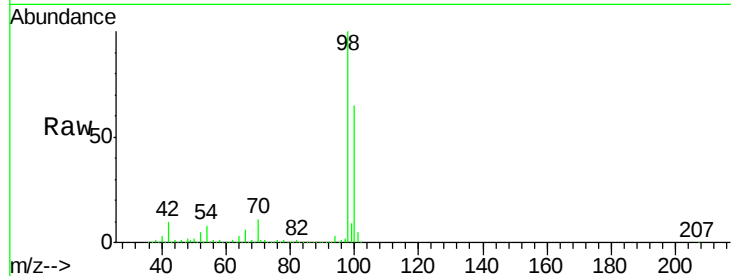
#50
Toluene-d8
Concen: 50.723 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019004.D
Acq: 21 Oct 2020 12:40

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tot Ion: 98 Resp: 782503
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

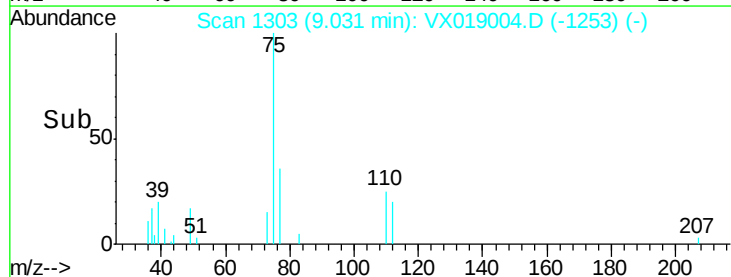
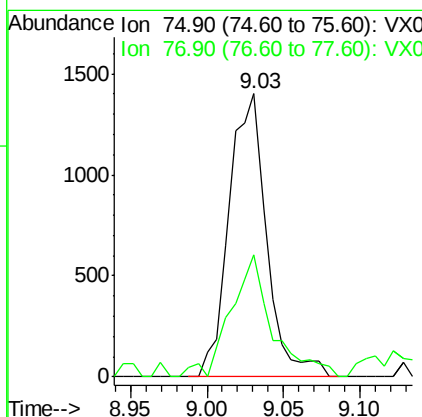
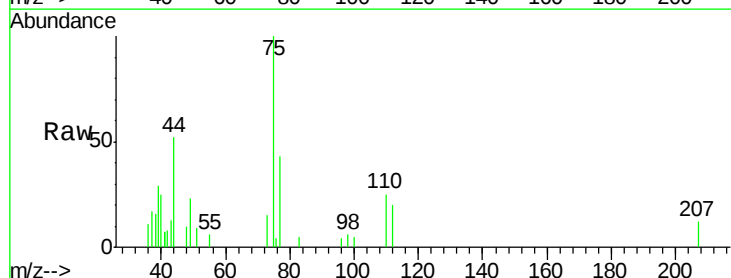
Manual Integrations
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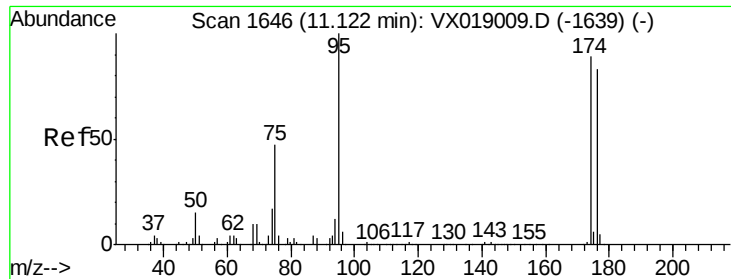
MMDadoda
10/22/2020 1:21:38 PM



#53
t-1,3-Dichloropropene
Concen: 0.349 ug/l
RT: 9.03 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VX019004.D
Acq: 21 Oct 2020 12:40

Tgt Ion: 75 Resp: 2383
Ion Ratio Lower Upper
75 100
77 43.1 25.1 37.7#





#62

4-Bromofluorobenzene

Concen: 49.221 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

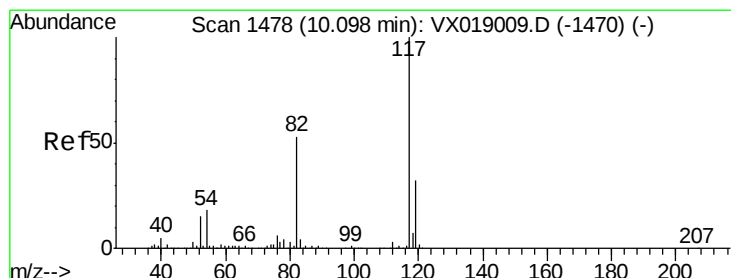
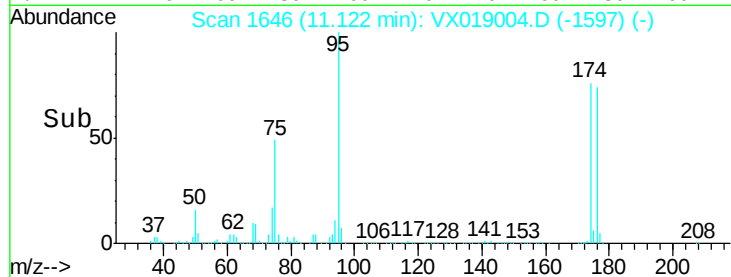
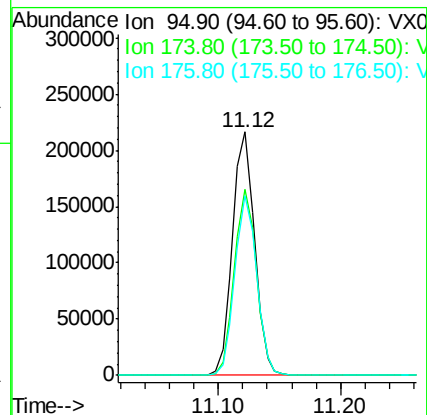
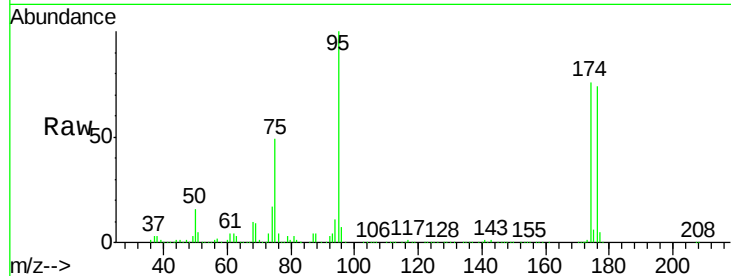
ClientSampled :

IBLK

Tot Ion:	95	Resp:	270101
Ion Ratio	Lower	Upper	
95	100		
174	76.0	0.0	167.6
176	72.8	0.0	165.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

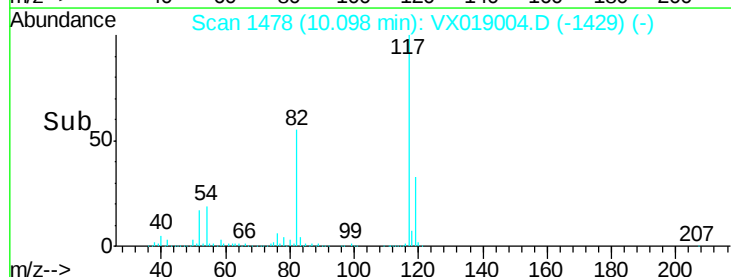
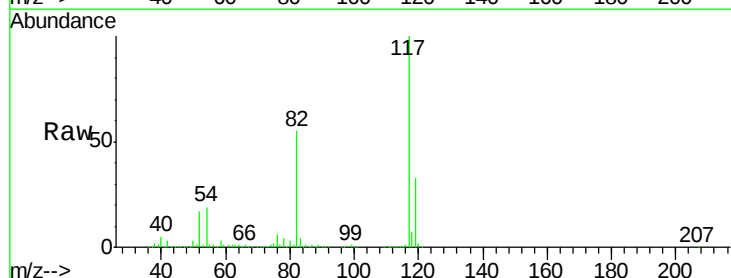
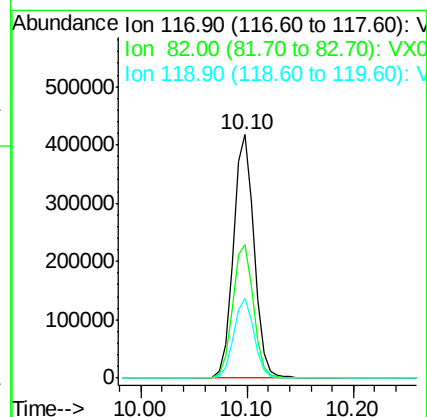
RT: 10.10 min Scan# 1478

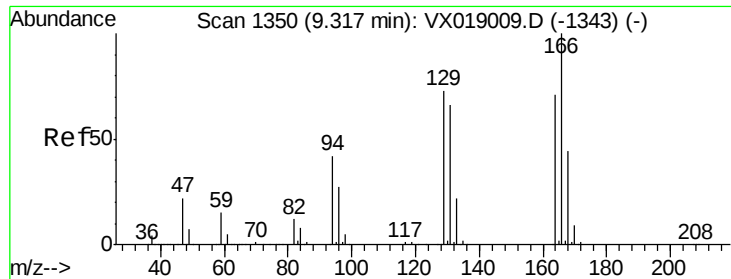
Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion:	117	Resp:	571132
Ion Ratio	Lower	Upper	
117	100		
82	54.7	42.4	63.6
119	32.5	25.6	38.4





#64

Tetrachloroethene

Concen: 0.533 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

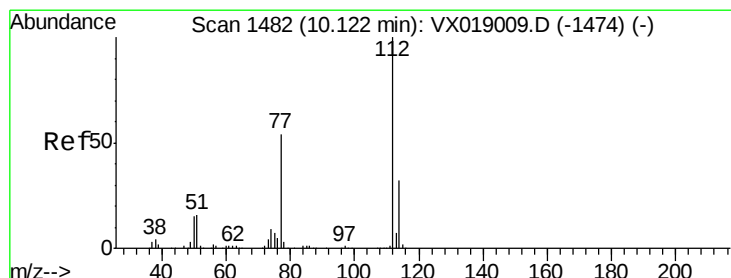
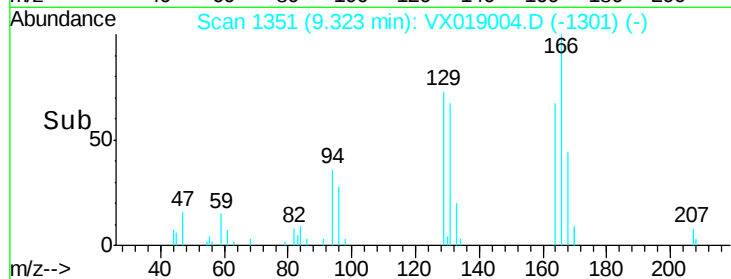
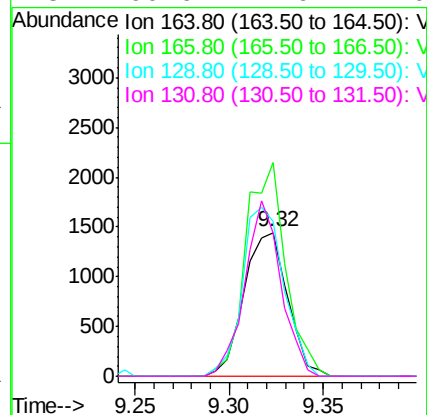
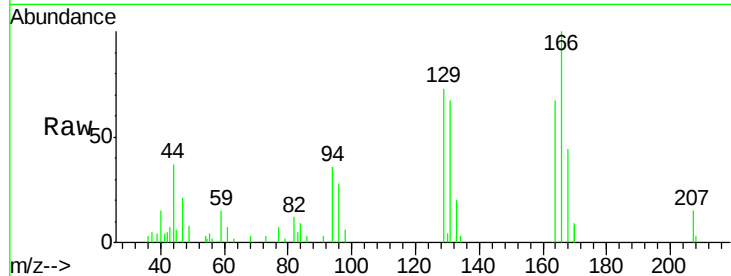
ClientSampled :

IBLK

Tot Ion:	164	Resp:	2317
Ion	Ratio	Lower	Upper
164	100		
166	148.7	112.2	168.4
129	107.9	81.8	122.8
131	99.6	74.6	112.0

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#65

Chlorobenzene

Concen: 0.313 ug/l

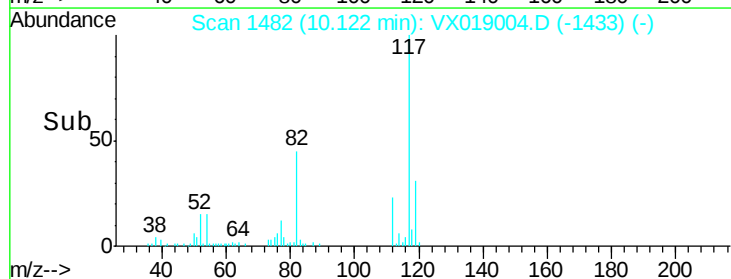
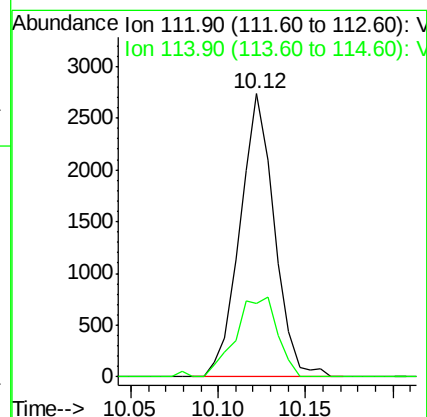
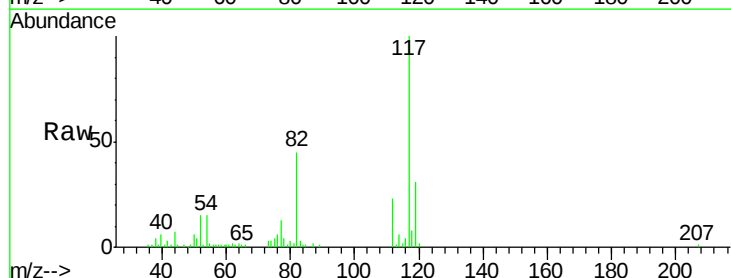
RT: 10.12 min Scan# 1482

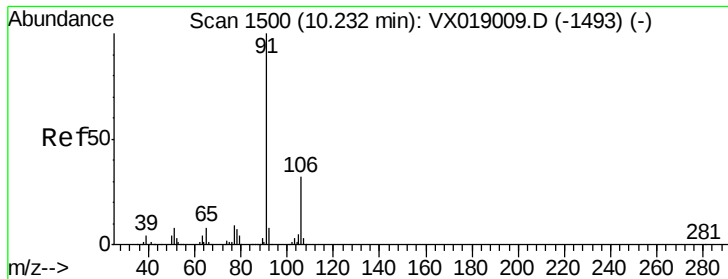
Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion:	112	Resp:	3747
Ion	Ratio	Lower	Upper
112	100		
114	25.9	25.5	38.3





#67

Ethyl Benzene

Concen: 0.256 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

ClientSampled :

IBLK

Tot Ion: 91 Resp: 5289

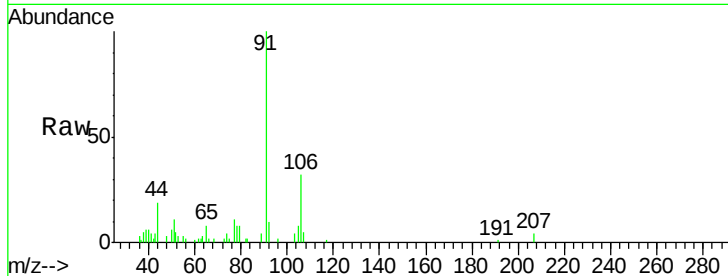
Ion Ratio Lower Upper

91 100

106 32.3 25.3 37.9

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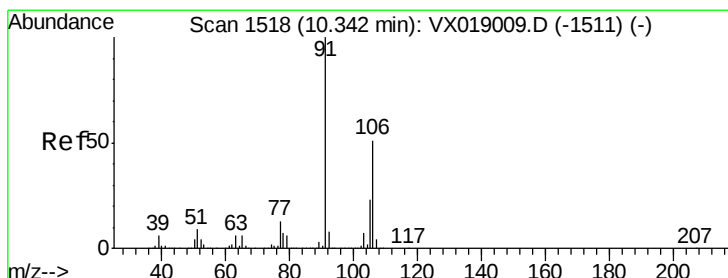
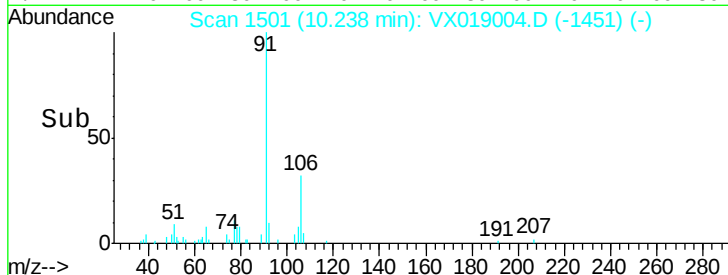


Abundance Ion 91.00 (90.70 to 91.70): VX019009.D (-1493) (-)

Ion 106.00 (105.70 to 106.70): VX019009.D (-1493) (-)

10.24

Time-->



#68

m/p-Xylenes

Concen: 0.567 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019004.D

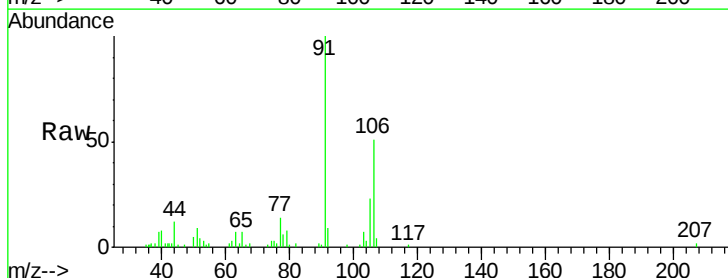
Acq: 21 Oct 2020 12:40

Tgt Ion: 106 Resp: 4482

Ion Ratio Lower Upper

106 100

91 198.3 156.9 235.3

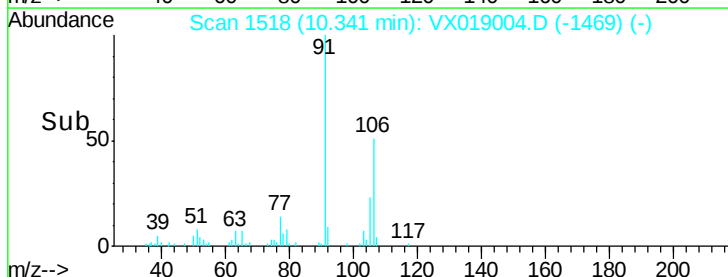


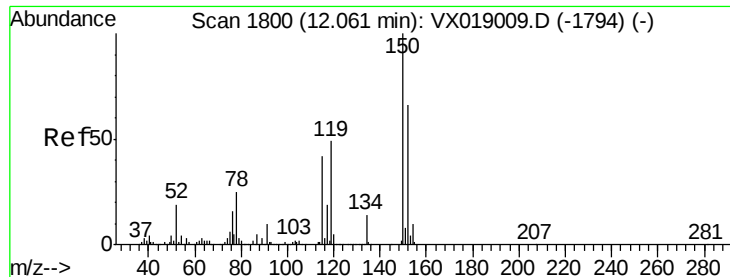
Abundance Ion 106.00 (105.70 to 106.70): VX019009.D (-1511) (-)

Ion 91.00 (90.70 to 91.70): VX019009.D (-1511) (-)

10.34

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

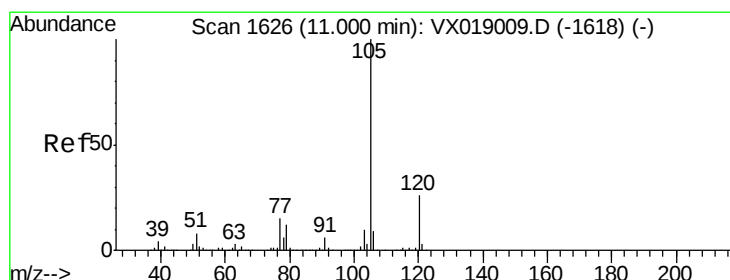
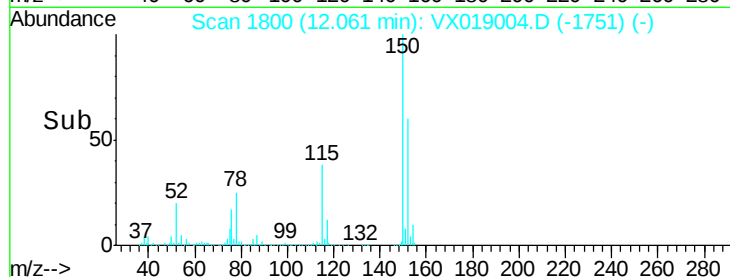
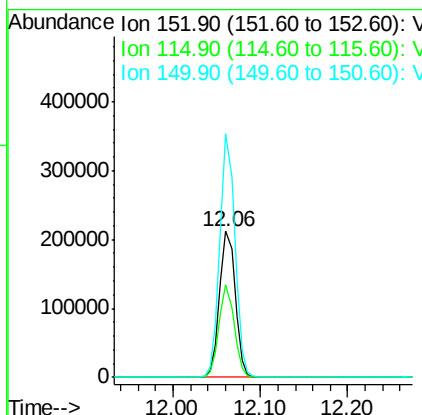
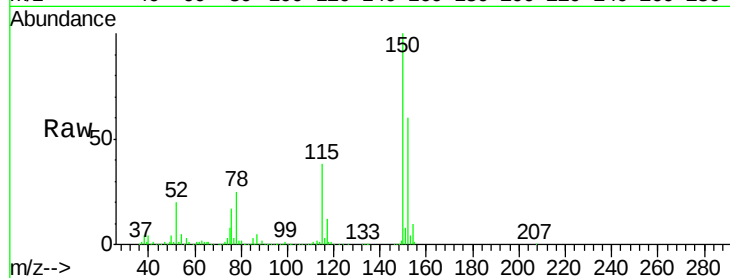
ClientSampled :

IBLK

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.6	40.8	122.5
150	159.0	0.0	345.6

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#73

Isopropylbenzene

Concen: 0.257 ug/l

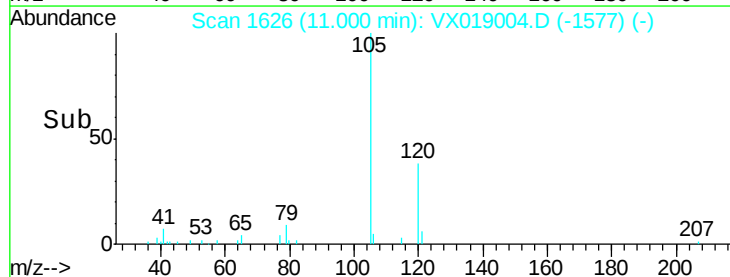
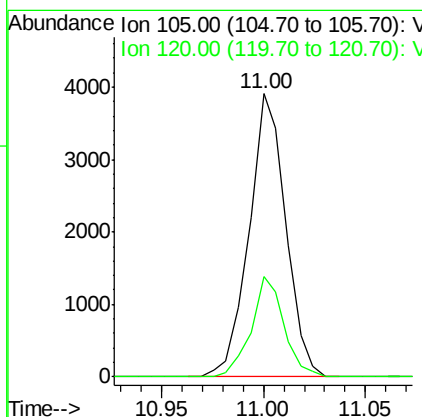
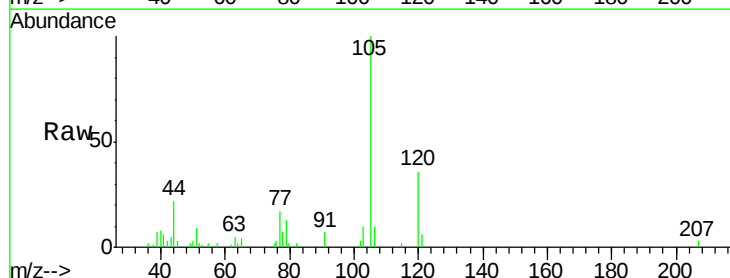
RT: 11.00 min Scan# 1626

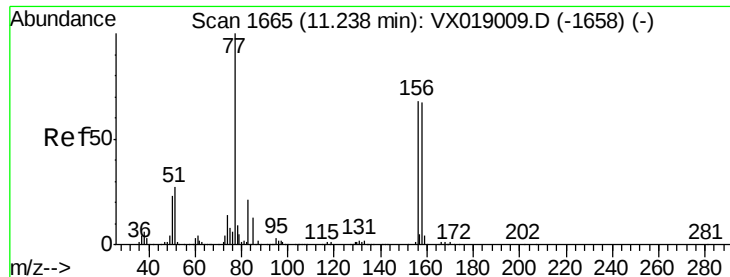
Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.7	13.4	40.1





#77

Bromobenzene

Concen: 0.311 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

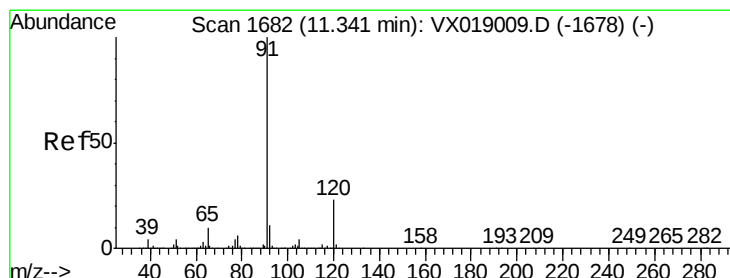
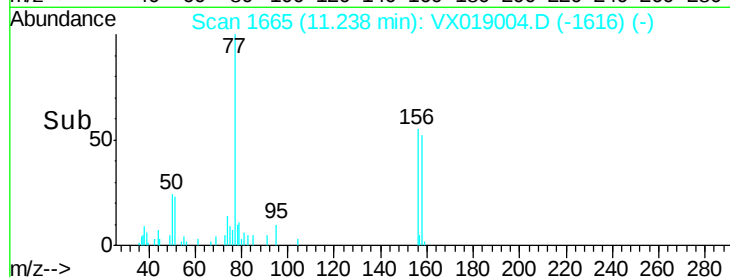
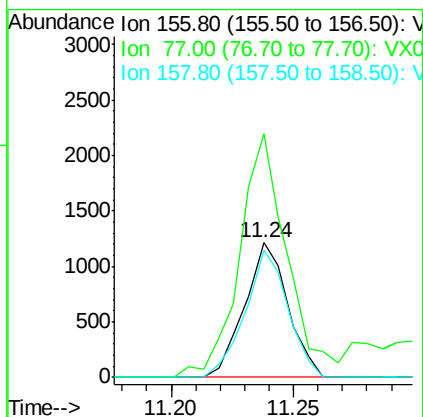
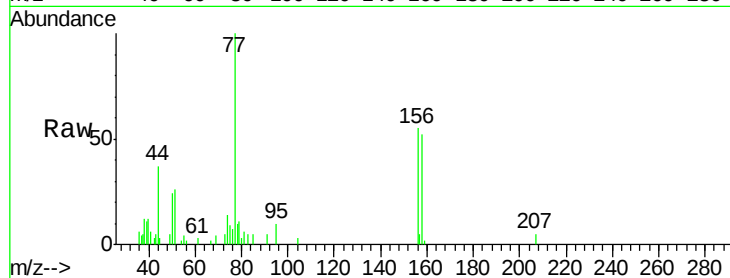
ClientSampled :

IBLK

Tot Ion:	156	Resp:	1487
Ion Ratio	Lower	Upper	
156	100		
77	198.3	74.4	223.1
158	94.0	48.8	146.3

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#78

n-propylbenzene

Concen: 0.442 ug/l

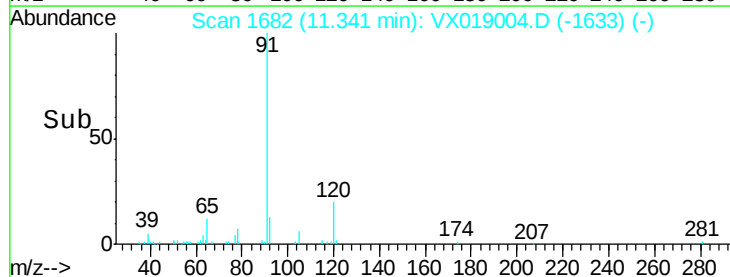
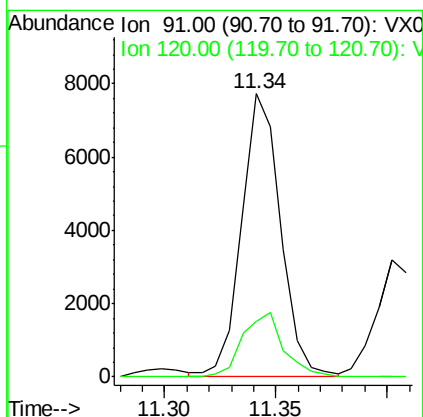
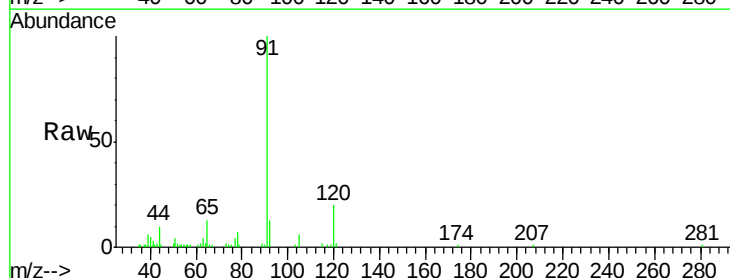
RT: 11.34 min Scan# 1682

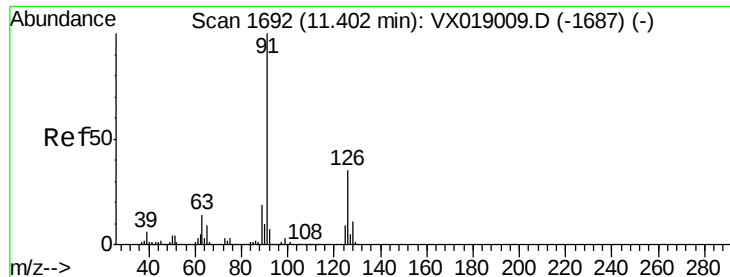
Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion:	91	Resp:	9478
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.1	36.3





#79

2-Chlorotoluene

Concen: 0.351 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

ClientSampled :

IBLK

Tot Ion: 91 Resp: 4401

Ion Ratio Lower Upper

91 100

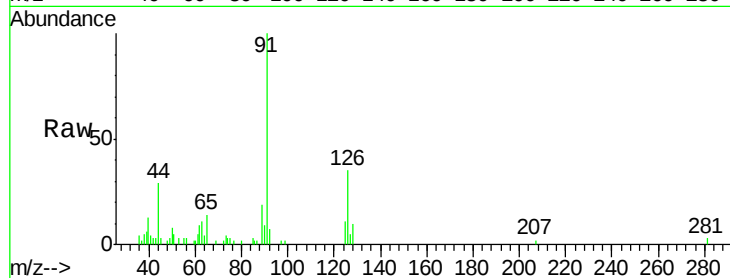
126 32.8 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX019009.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX019009.D (-1687) (-)

8000

6000

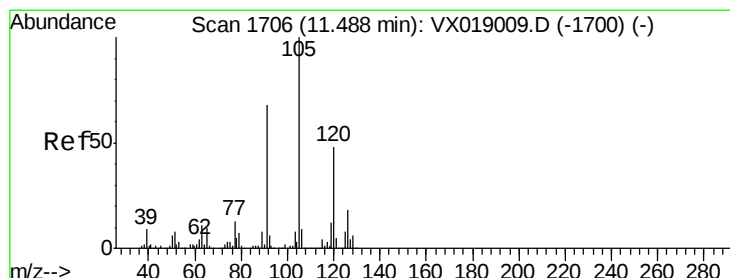
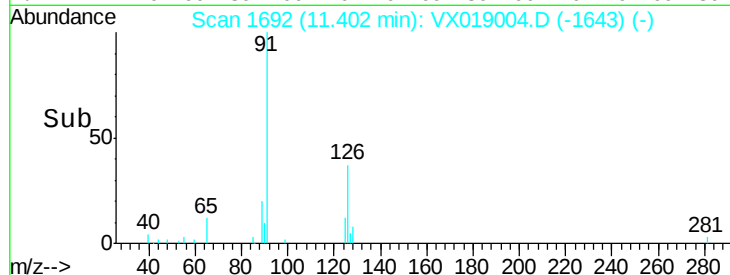
4000

2000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.324 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX019004.D

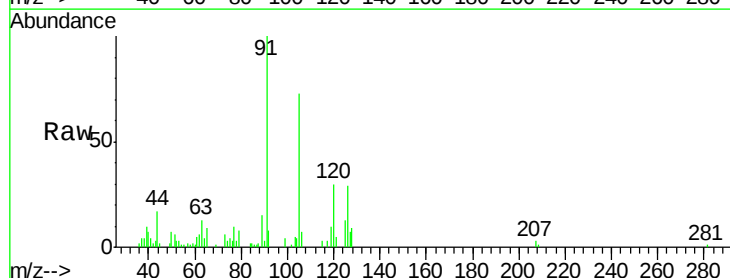
Acq: 21 Oct 2020 12:40

Tgt Ion: 105 Resp: 5074

Ion Ratio Lower Upper

105 100

120 46.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX019009.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX019009.D (-1700) (-)

4000

3000

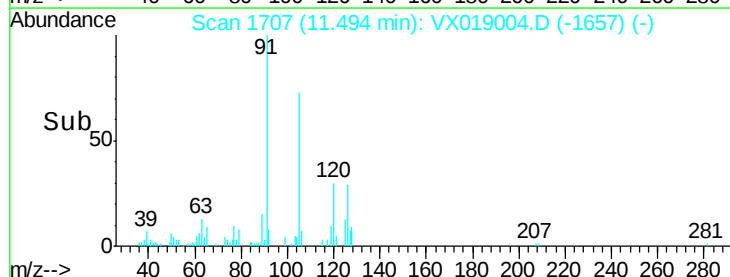
2000

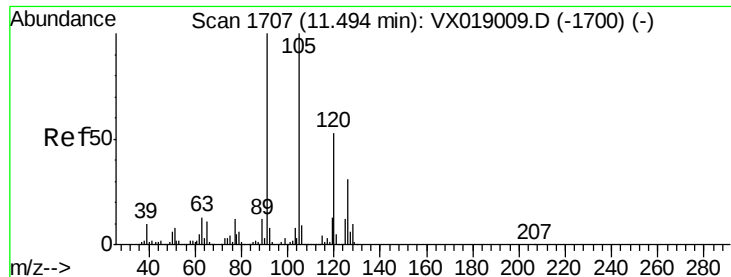
1000

0

11.45 11.50 11.55

Time-->





#82

4-Chlorotoluene

Concen: 0.494 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tot Ion: 91 Resp: 7357

Ion Ratio Lower Upper

91 100

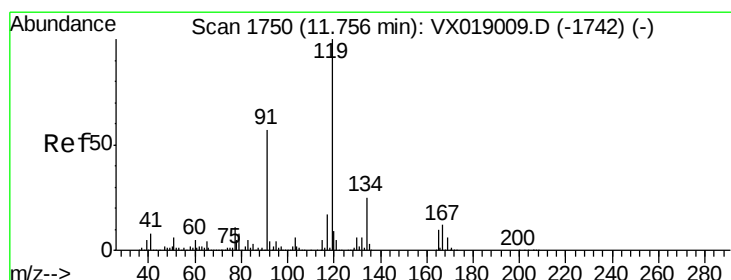
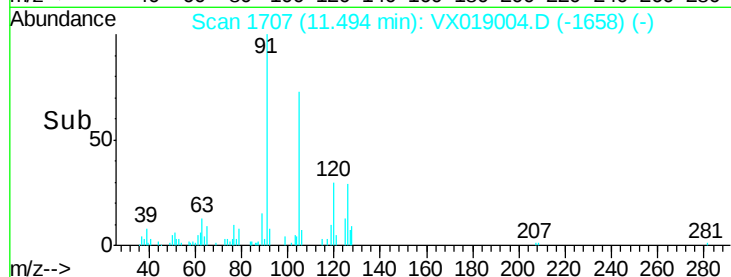
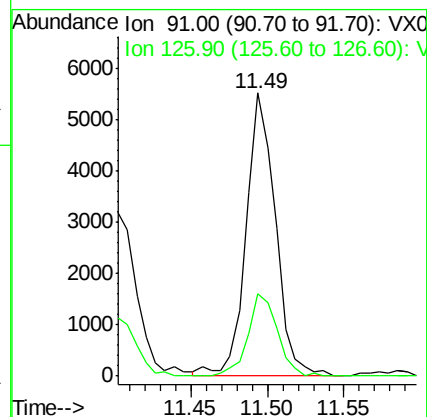
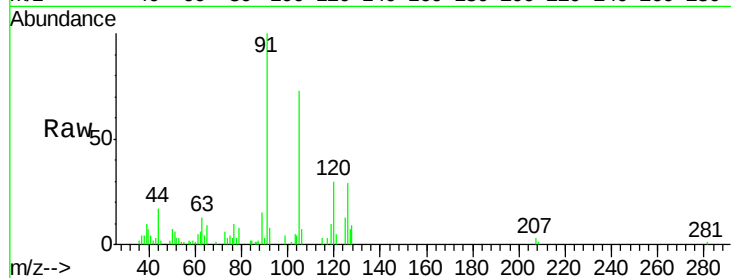
126 29.4 15.6 46.7

Manual Integrations

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#83

tert-Butylbenzene

Concen: 0.266 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

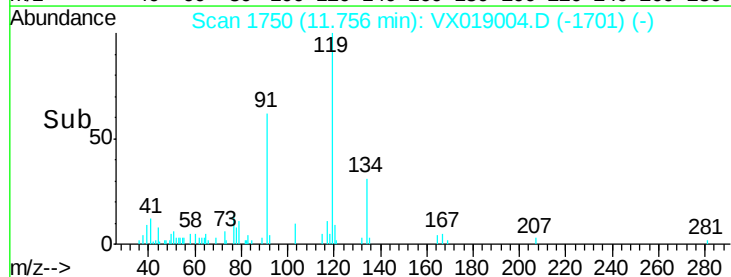
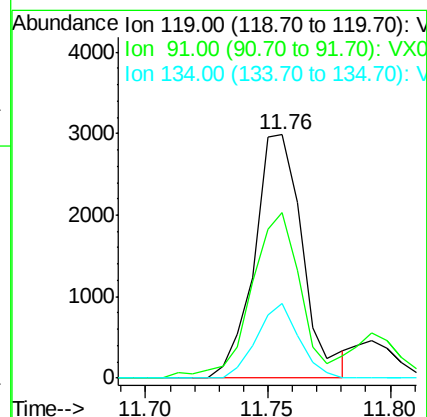
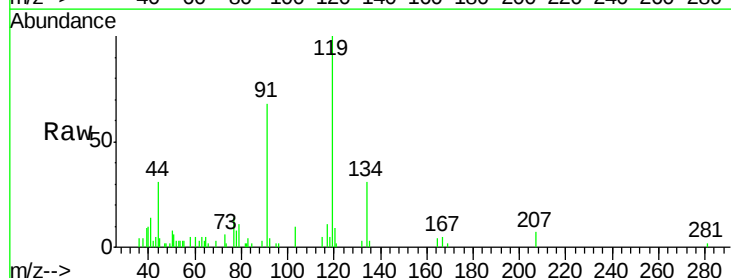
Tgt Ion: 119 Resp: 4105

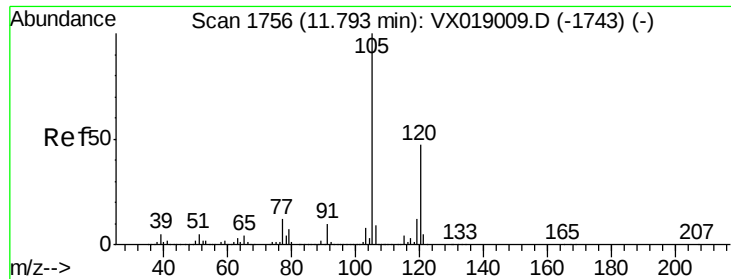
Ion Ratio Lower Upper

119 100

91 68.4 28.1 84.4

134 26.6 11.8 35.3





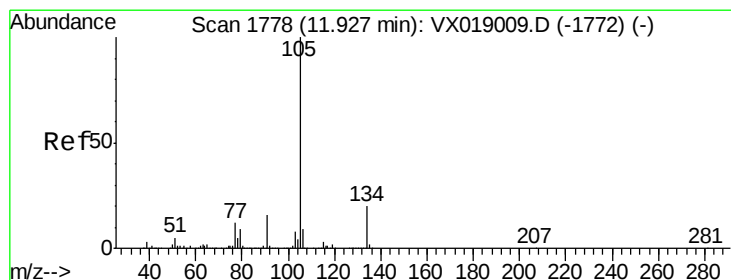
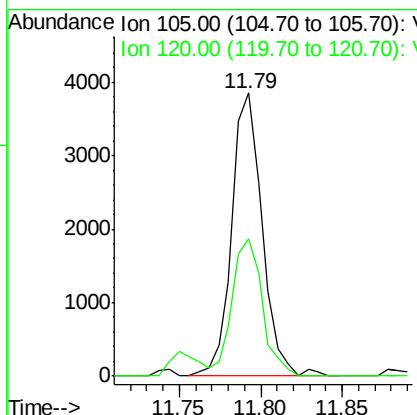
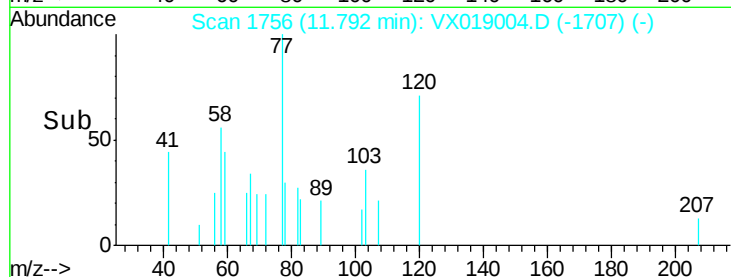
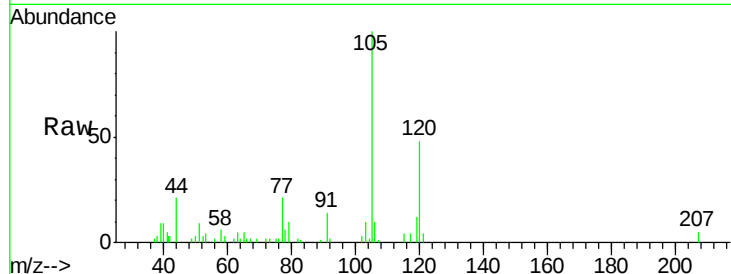
#84
 1,2,4-Trimethylbenzene
 Concen: 0.319 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

Tot Ion:105 Resp: 4994
 Ion Ratio Lower Upper
 105 100
 120 48.1 22.9 68.8

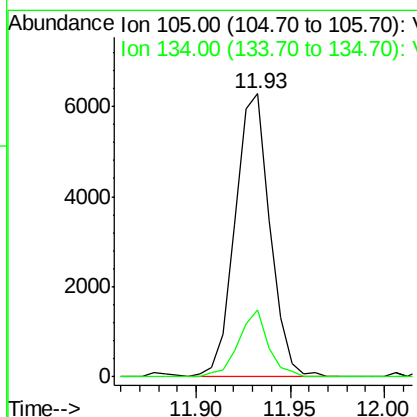
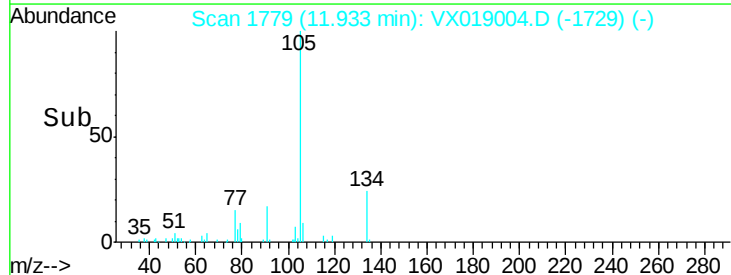
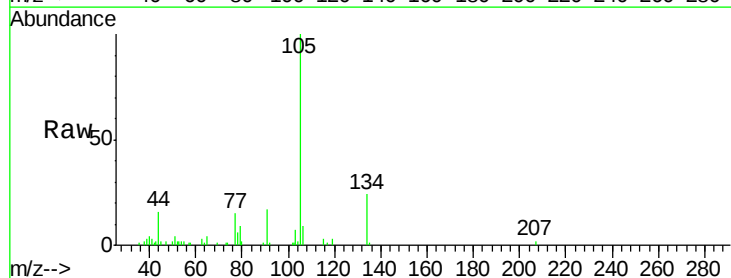
Manual Integrations
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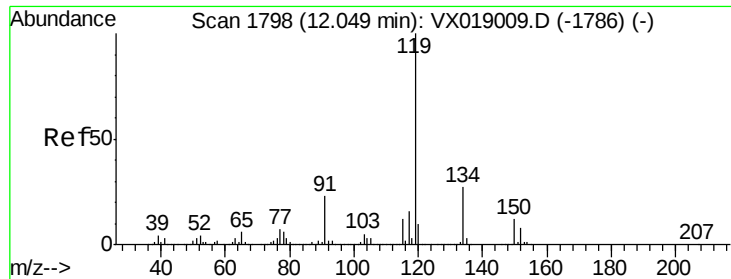
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#85
 sec-Butylbenzene
 Concen: 0.434 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Tgt Ion:105 Resp: 8086
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.4 31.1





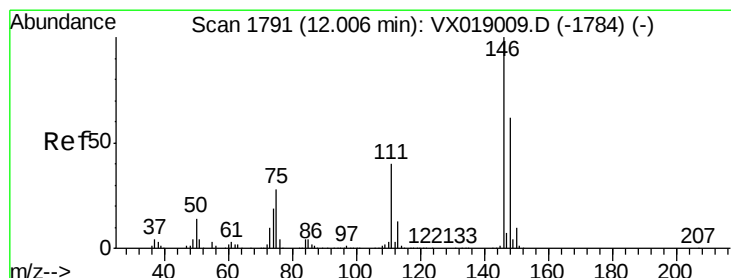
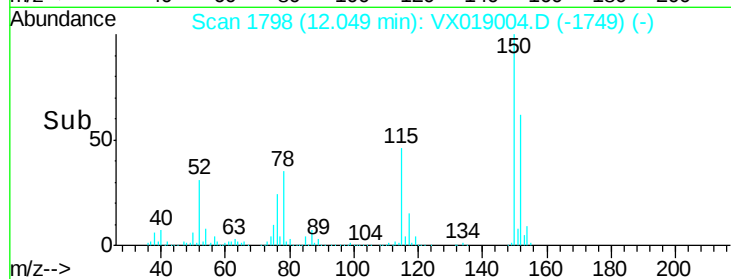
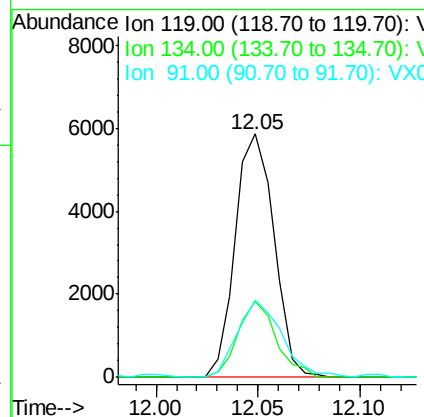
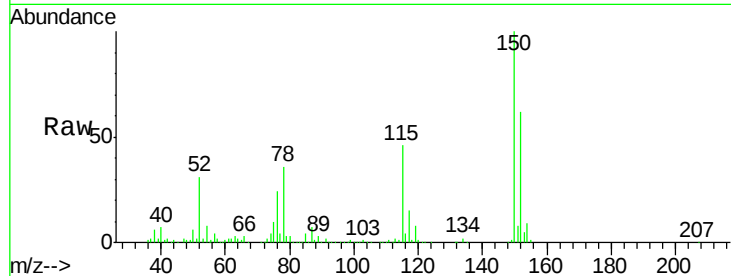
#86
p-Isopropyltoluene
Concen: 0.452 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX019004.D
Acq: 21 Oct 2020 12:40

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tot Ion	Ratio	Lower	Upper
119	100		
134	31.3	13.3	39.8
91	37.0	11.4	34.2

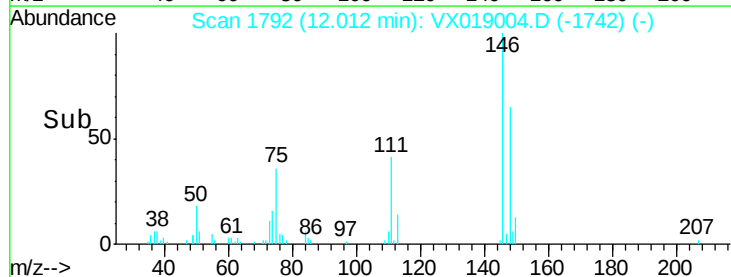
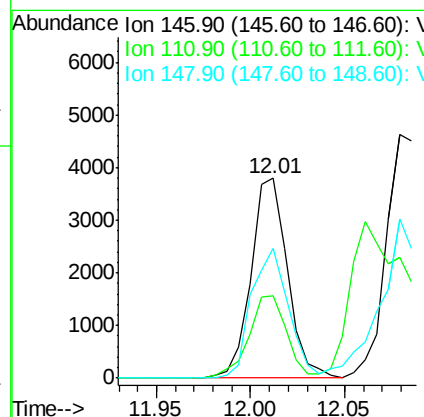
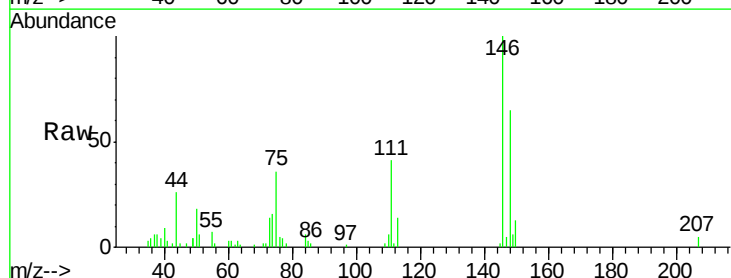
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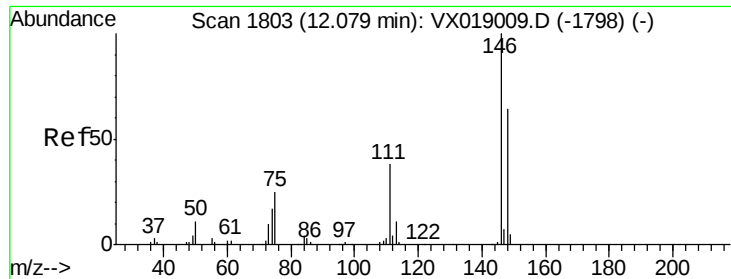
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#87
1,3-Dichlorobenzene
Concen: 0.581 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX019004.D
Acq: 21 Oct 2020 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.7	59.1
148	65.8	32.0	96.0





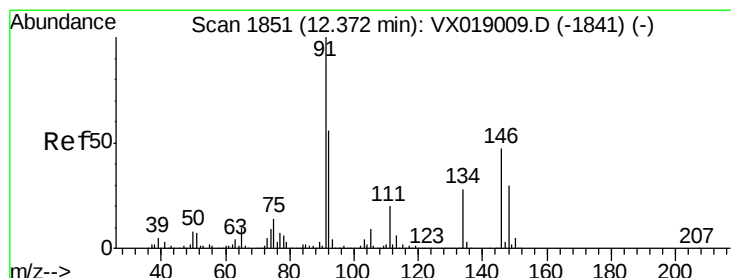
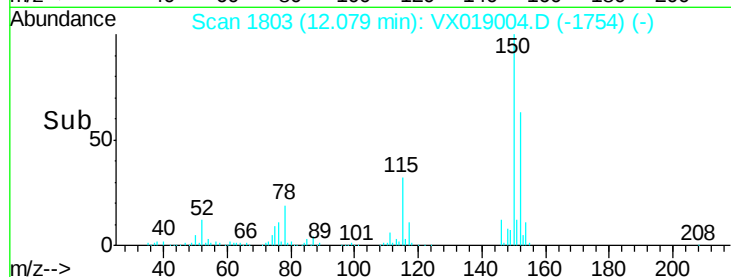
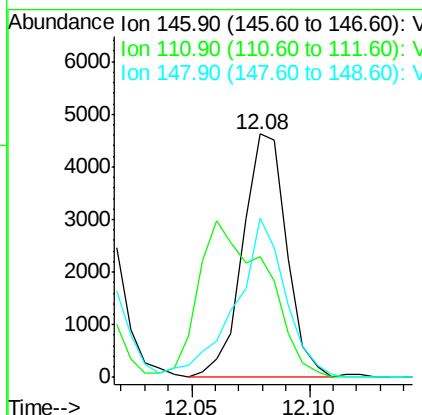
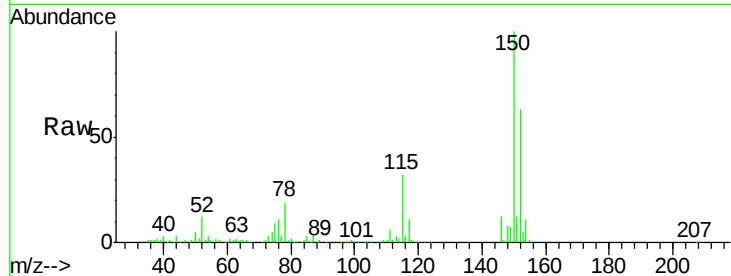
#88
 1,4-Dichlorobenzene
 Concen: 0.669 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.4	58.2
148	55.7	32.2	96.6

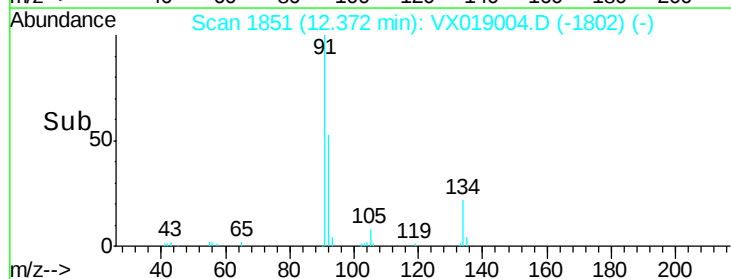
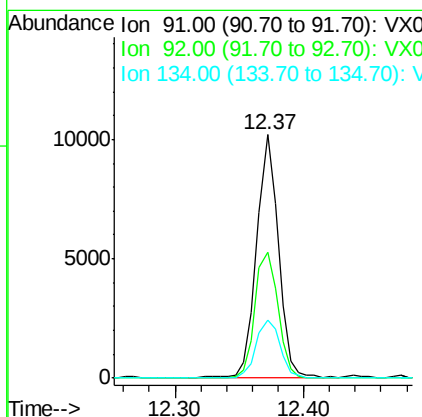
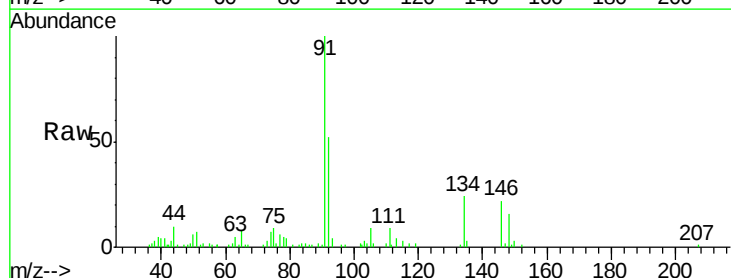
Manual Integrations
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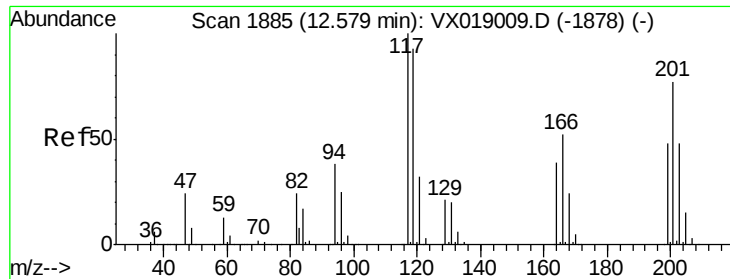
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#89
 n-Butylbenzene
 Concen: 0.762 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.3	81.9
134	26.1	13.6	40.7





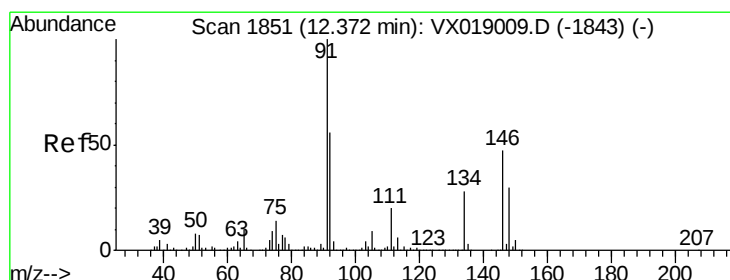
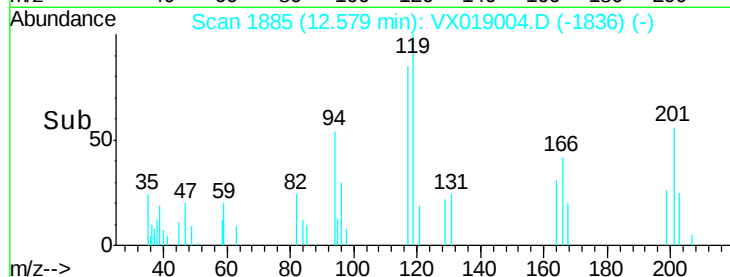
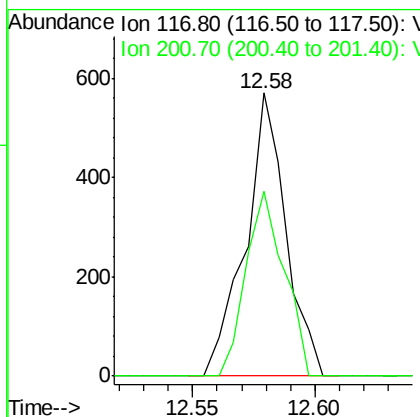
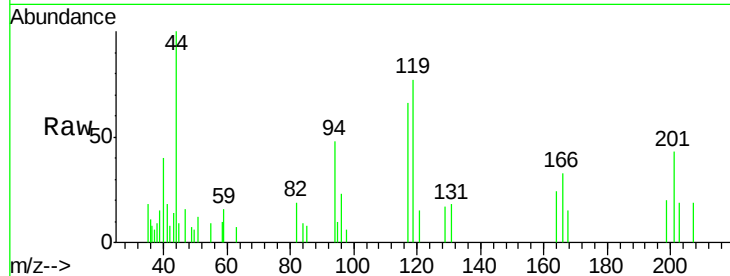
#90
Hexachloroethane
Concen: 0.252 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019004.D
Acq: 21 Oct 2020 12:40

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tot Ion:117 Resp: 658
Ion Ratio Lower Upper
117 100
201 61.4 37.1 111.3

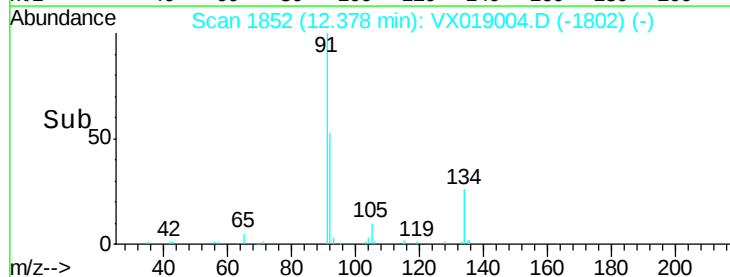
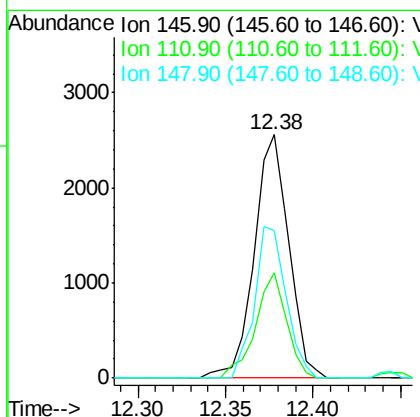
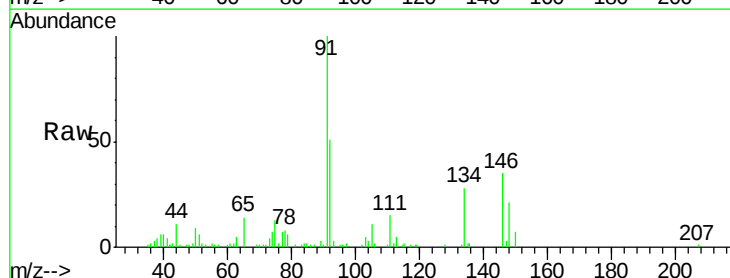
Manual Integrations
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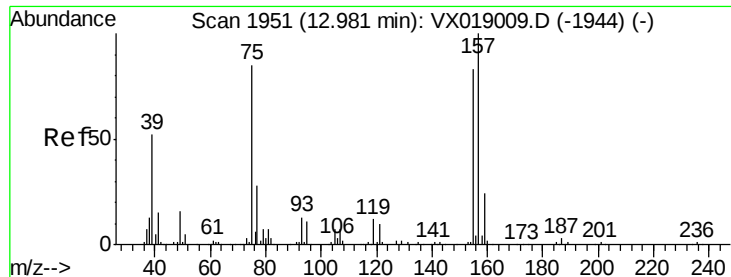
MMDadoda
10/22/2020 1:21:38 PM



#91
1,2-Dichlorobenzene
Concen: 0.428 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VX019004.D
Acq: 21 Oct 2020 12:40

Tgt Ion:146 Resp: 3503
Ion Ratio Lower Upper
146 100
111 39.2 19.9 59.7
148 57.0 31.4 94.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.492 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

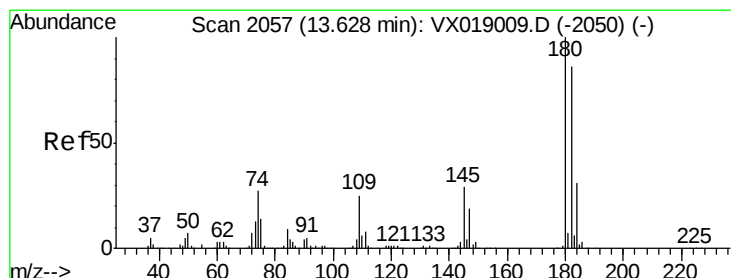
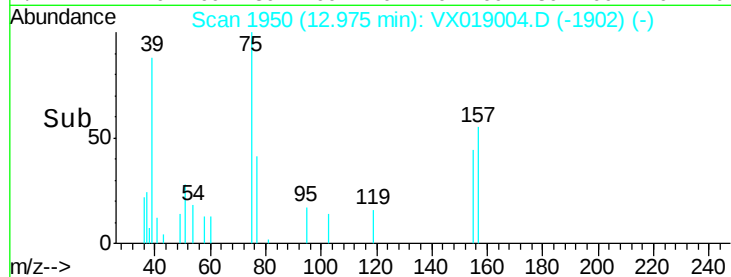
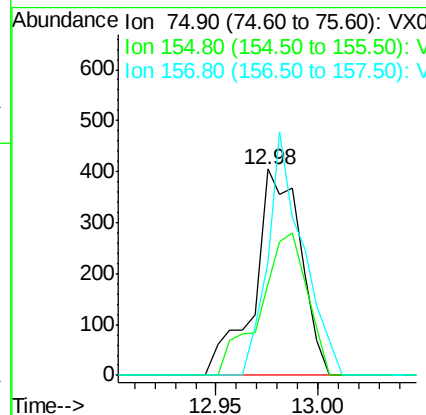
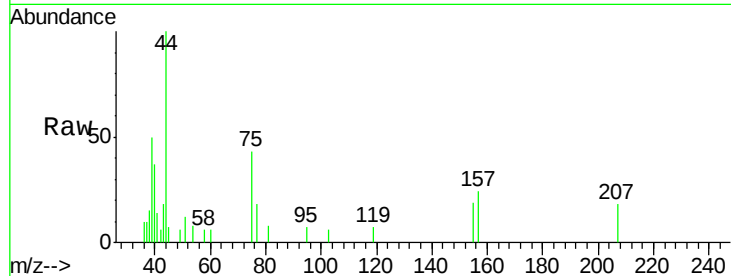
ClientSampled :

IBLK

Tot Ion	Ratio	Lower	Upper
75	100		
155	70.6	47.3	142.0
157	89.1	59.7	179.0

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 1.091 ug/l

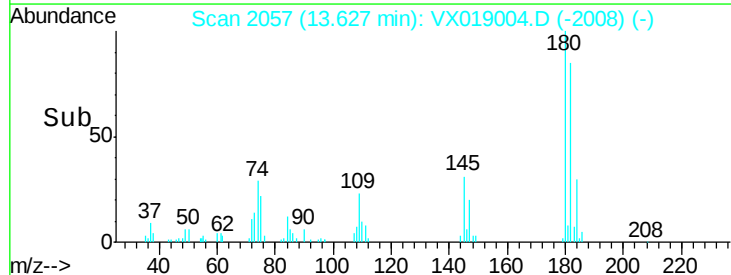
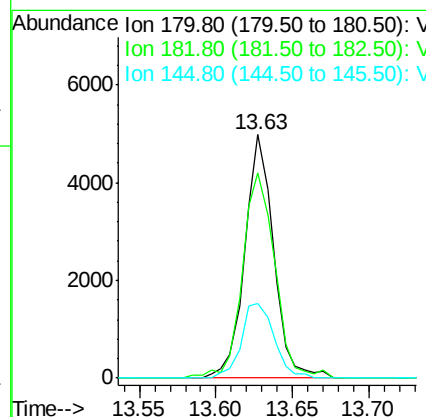
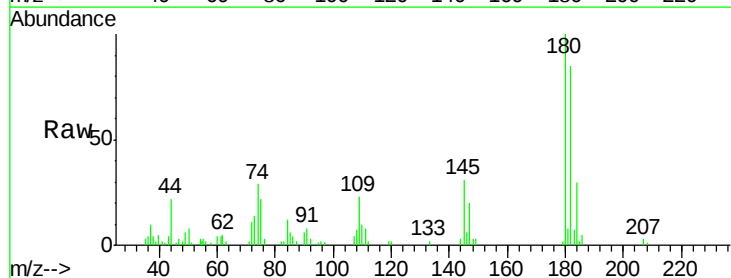
RT: 13.63 min Scan# 2057

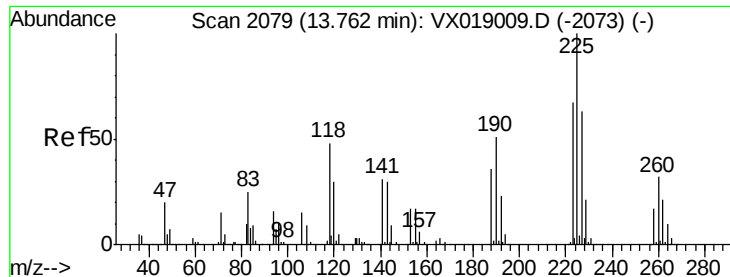
Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.4	139.2
145	34.7	15.2	45.6





#94

Hexachlorobutadiene

Concen: 1.242 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX019004.D

Acq: 21 Oct 2020 12:40

Instrument :

MSVOA_X

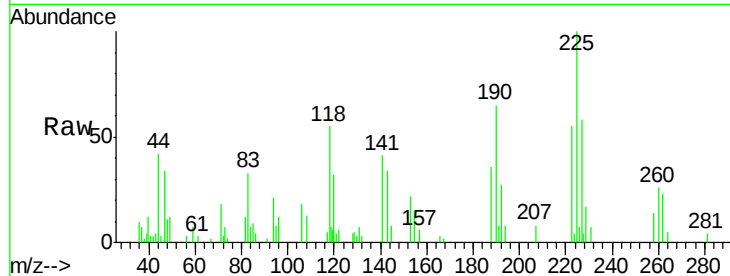
ClientSampled :

IBLK

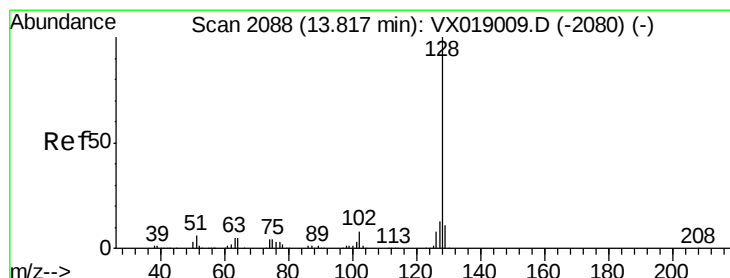
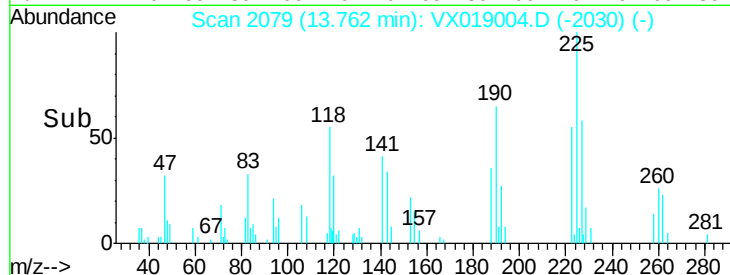
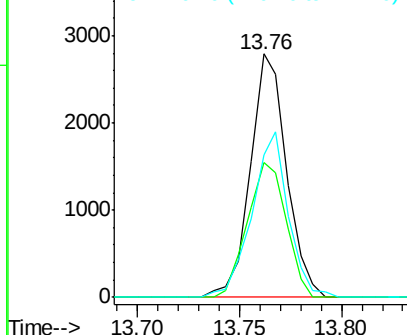
Tot Ion:	225	Resp:	3447
Ion Ratio	Lower	Upper	
225	100		
223	59.1	32.5	97.4
227	68.2	31.9	95.7

Manual Integrations
APPROVED

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10/22/2020 1:21:38 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.920 ug/l

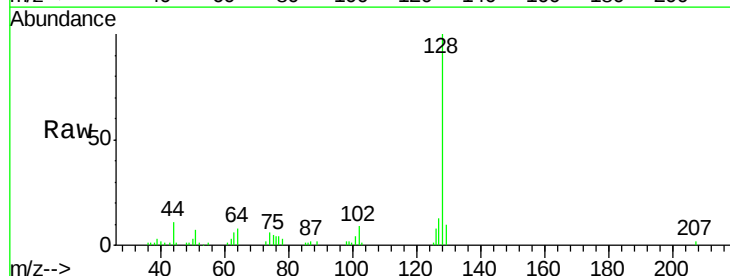
RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

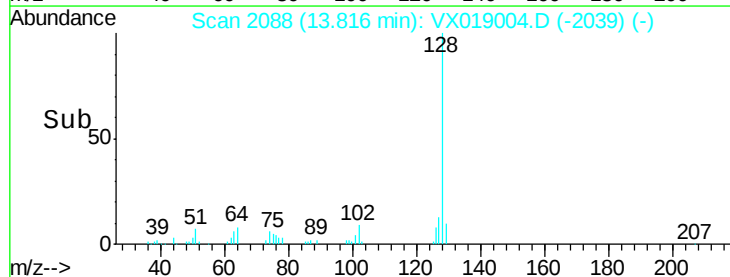
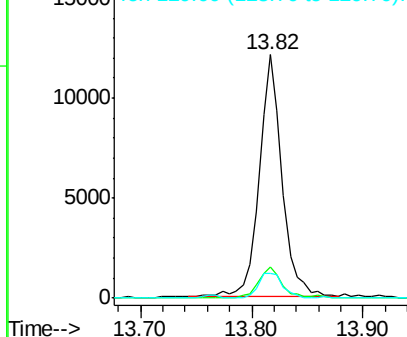
Lab File: VX019004.D

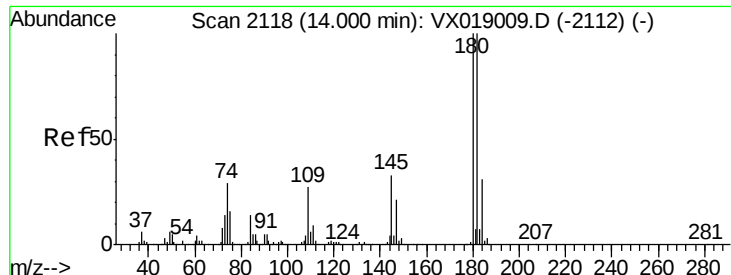
Acq: 21 Oct 2020 12:40

Tgt Ion:	128	Resp:	17335
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	11.0	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.093 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX019004.D
 Acq: 21 Oct 2020 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	142.0
145	35.2	15.9	47.6

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 1:21:38 PM

