

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051719\
 Data File : VX009685.D
 Acq On : 18 May 2019 00:24
 Operator : JC/SP
 Sample : K2891-07MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:22 AM

Quant Time: May 18 06:41:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	138991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	226411	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107130	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	96103	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	5.50	113	69682	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	8.71	98	277349	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.13	95	105726	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	50956	39.784	ug/l	97
3) Chloromethane	1.32	50	84397	48.264	ug/l	99
4) Vinyl Chloride	1.41	62	81813	47.980	ug/l	99
5) Bromomethane	1.64	94	41914	40.953	ug/l	95
6) Chloroethane	1.71	64	58412	53.355	ug/l	99
7) Trichlorofluoromethane	1.92	101	102314	49.362	ug/l	96
8) Diethyl Ether	2.19	74	51048	51.994	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59465	45.686	ug/l	99
10) Methyl Iodide	2.50	142	53750	36.870	ug/l	98
11) Tert butyl alcohol	3.07	59	147760	336.430	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63323	48.556	ug/l	98
13) Acrolein	2.29	56	99356	249.793	ug/l	99
14) Allyl chloride	2.72	41	157963	49.702	ug/l	98
15) Acrylonitrile	3.15	53	309579	288.282	ug/l	99
16) Acetone	2.45	43	290658	285.287	ug/l	97
17) Carbon Disulfide	2.56	76	164622	44.961	ug/l	99
18) Methyl Acetate	2.78	43	116030	47.887	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	272847	53.877	ug/l	99
20) Methylene Chloride	2.85	84	82581	50.061	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	70756	50.028	ug/l	95
22) Diisopropyl ether	3.86	45	326858	53.478	ug/l	92
23) Vinyl Acetate	3.82	43	1185767	226.560	ug/l	100
24) 1,1-Dichloroethane	3.70	63	155297	51.506	ug/l	100
25) 2-Butanone	4.68	43	475845	300.554	ug/l	99
26) 2,2-Dichloropropane	4.59	77	78729	35.080	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	85498	50.645	ug/l	98
28) Bromochloromethane	5.02	49	52825	43.147	ug/l	96
29) Tetrahydrofuran	5.13	42	306351	300.699	ug/l	99
30) Chloroform	5.21	83	146004	53.540	ug/l	99
31) Cyclohexane	5.58	56	132219	47.134	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	117486	51.754	ug/l	99
36) 1,1-Dichloropropene	5.80	75	103076	48.989	ug/l	100
37) Ethyl Acetate	4.84	43	143765	49.040	ug/l	99
38) Carbon Tetrachloride	5.79	117	96663	50.564	ug/l	99

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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	113313	43.852	ug/l	98
40) Benzene	6.15	78	331548	50.915	ug/l	99
41) Methacrylonitrile	5.04	41	96946	55.554	ug/l	99
42) 1,2-Dichloroethane	6.20	62	123865	53.028	ug/l	100
43) Isopropyl Acetate	6.45	43	238530	50.868	ug/l	99
44) Trichloroethene	7.21	130	77073	48.959	ug/l	100
45) 1,2-Dichloropropane	7.51	63	97417	52.833	ug/l	98
46) Dibromomethane	7.66	93	55128	51.486	ug/l	98
47) Bromodichloromethane	7.90	83	111875	52.380	ug/l	98
48) Methyl methacrylate	7.77	41	134255	57.708	ug/l	99
49) 1,4-Dioxane	7.74	88	55968	1186.267	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	948165	309.354	ug/l	99
52) Toluene	8.79	92	210830	53.263	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	123500	51.215	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	134170	50.269	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	86953	53.845	ug/l	98
56) Ethyl methacrylate	9.18	69	161600	56.060	ug/l	98
57) 1,3-Dichloropropane	9.37	76	149970	52.773	ug/l	99
59) 2-Hexanone	9.49	43	741378	307.984	ug/l	98
60) Dibromochloromethane	9.58	129	86102	54.591	ug/l	98
61) 1,2-Dibromoethane	9.67	107	86096	52.816	ug/l	99
64) Tetrachloroethene	9.33	164	68086	46.681	ug/l	98
65) Chlorobenzene	10.14	112	216325	50.858	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	79330	51.443	ug/l	99
67) Ethyl Benzene	10.25	91	396000	50.587	ug/l	99
68) m/p-Xylenes	10.36	106	290674	101.611	ug/l	98
69) o-Xylene	10.70	106	143896	50.983	ug/l	99
70) Stvrene	10.71	104	249344	50.828	ug/l	99
71) Bromoform	10.86	173	67584	53.930	ug/l #	99
73) Isopropylbenzene	11.02	105	382151	49.054	ug/l	99
74) N-amyl acetate	10.90	43	202943	44.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	151385	52.127	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	128285m	51.623	ug/l	
77) Bromobenzene	11.26	156	95899	49.596	ug/l	100
78) n-propylbenzene	11.36	91	445732	50.099	ug/l	100
79) 2-Chlorotoluene	11.42	91	267571	48.747	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	327490	49.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45045	46.379	ug/l	95
82) 4-Chlorotoluene	11.51	91	307998	49.669	ug/l	100
83) tert-Butylbenzene	11.77	119	326387	51.149	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	330838	50.248	ug/l	100
85) sec-Butylbenzene	11.94	105	372285	49.210	ug/l	100
86) p-Isopropyltoluene	12.06	119	339093	49.859	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	170515	49.468	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	171685	49.403	ug/l	99
89) n-Butylbenzene	12.39	91	302711	49.245	ug/l	100
90) Hexachloroethane	12.60	117	58300	50.316	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	174874	49.809	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35525	54.530	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	119058	49.589	ug/l	99

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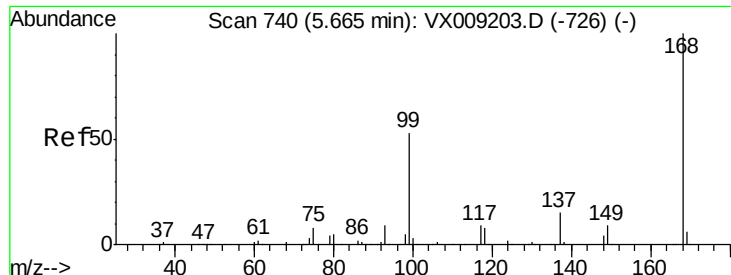
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	58215	47.482	ug/l	98
95) Naphthalene	13.83	128	410716	52.581	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122718	50.425	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:168 Resp: 138991

Ion Ratio Lower Upper

168 100

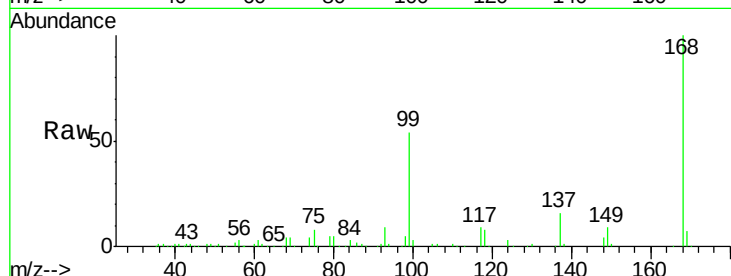
99 54.3 42.3 63.5

Manual Integrations

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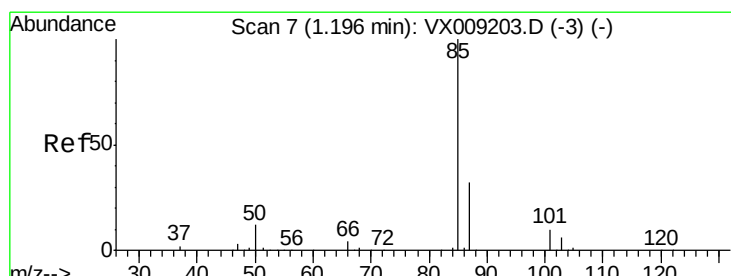
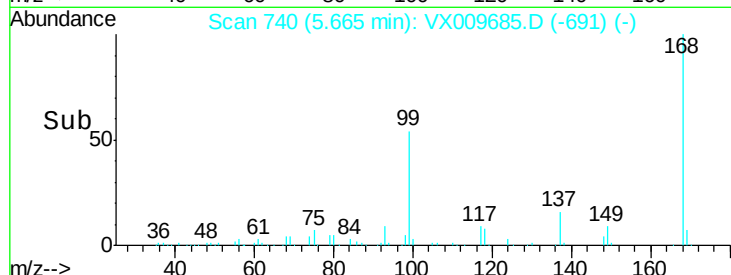
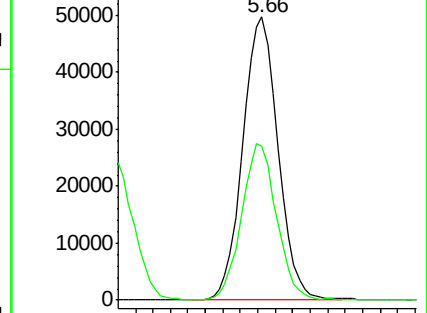
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 39.784 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009685.D

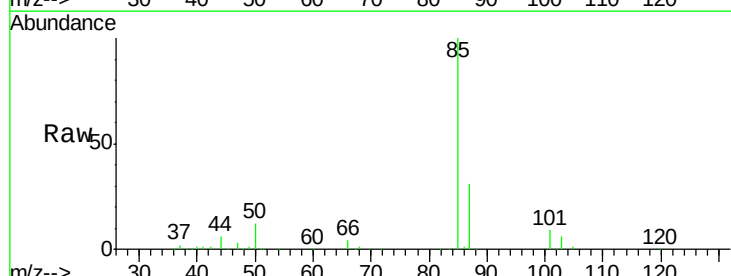
Acq: 18 May 2019 00:24

Tgt Ion: 85 Resp: 50956

Ion Ratio Lower Upper

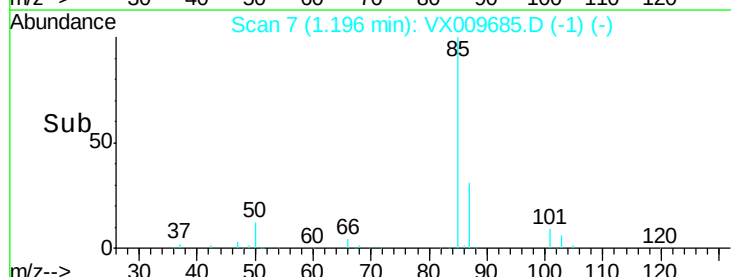
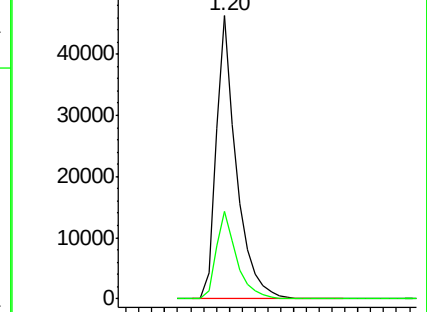
85 100

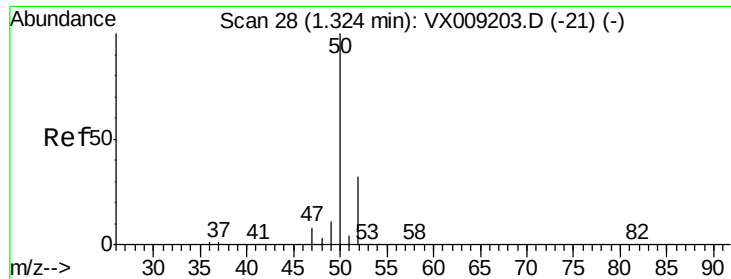
87 30.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.264 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion: 50 Resp: 84397

Ion Ratio Lower Upper

50 100

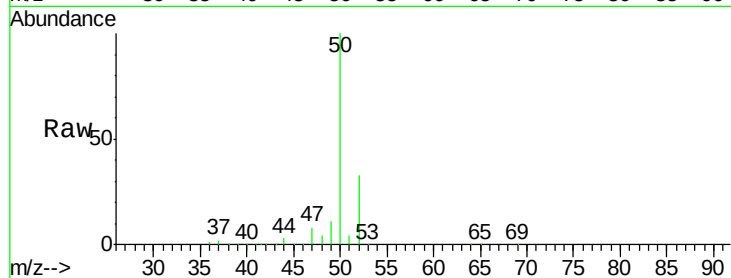
52 32.9 25.9 38.9

Manual Integrations

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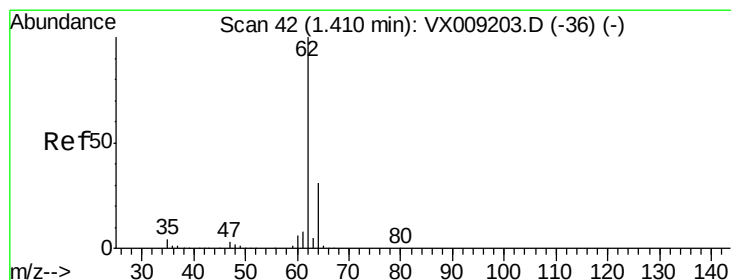
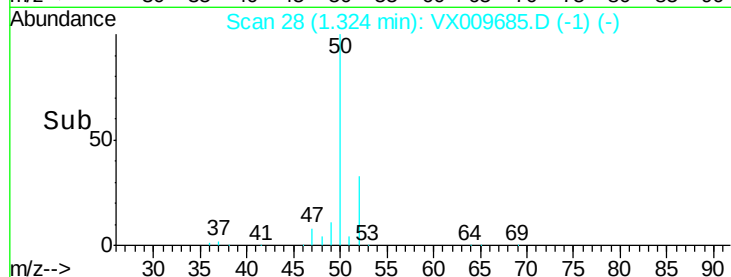
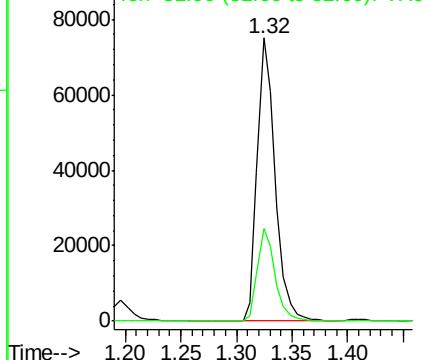
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.980 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009685.D

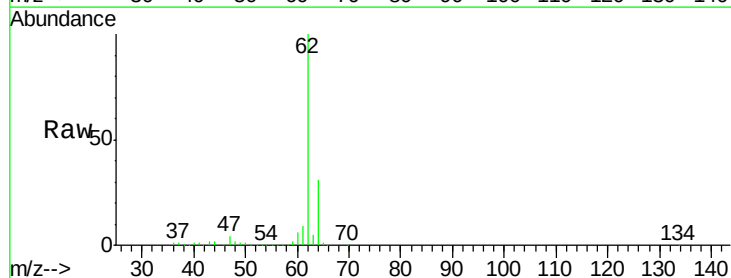
Acq: 18 May 2019 00:24

Tgt Ion: 62 Resp: 81813

Ion Ratio Lower Upper

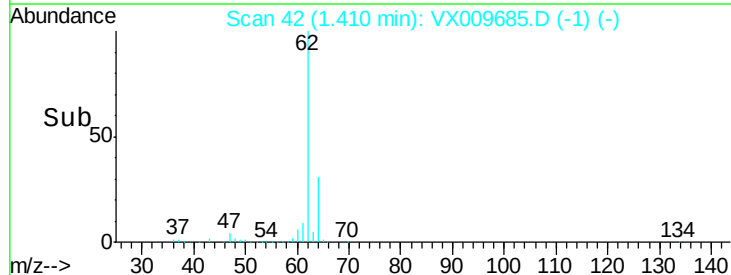
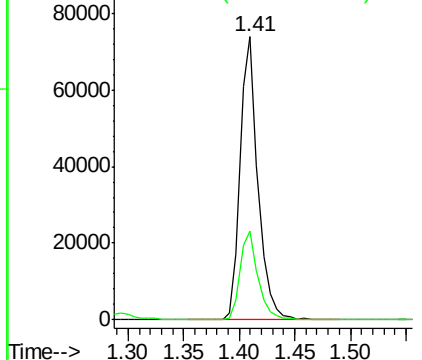
62 100

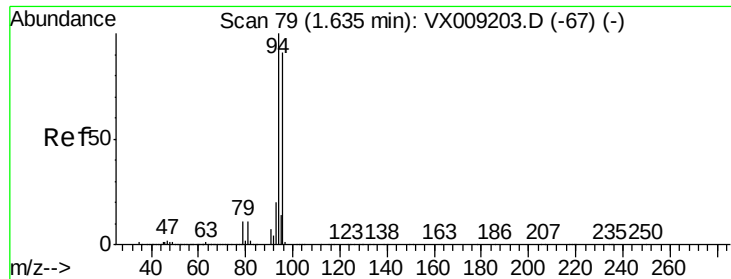
64 31.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.953 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion: 94 Resp: 41914

Ion Ratio Lower Upper

94 100

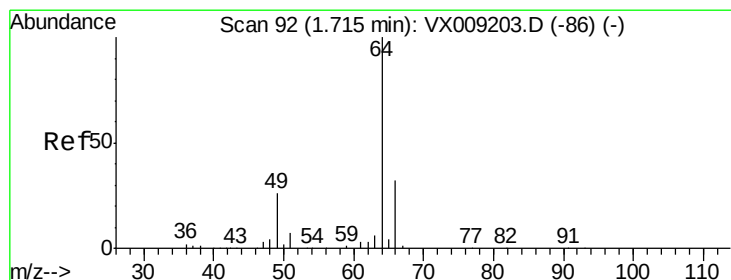
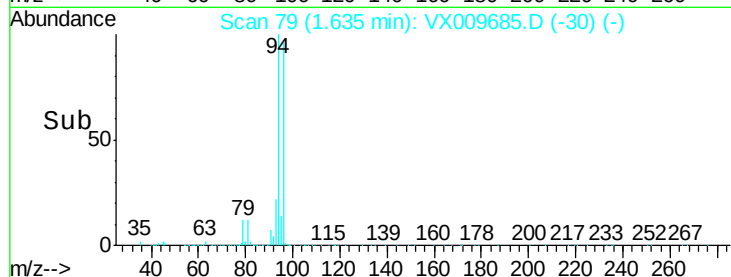
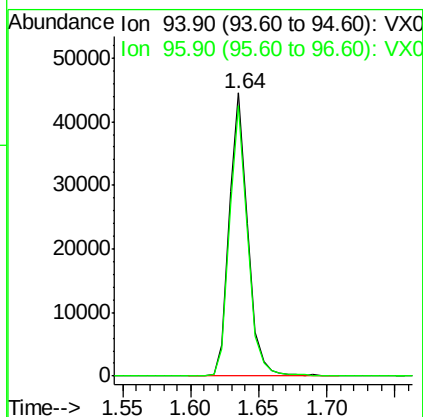
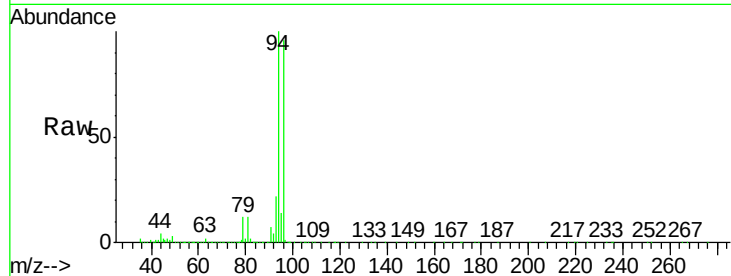
96 95.7 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 53.355 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009685.D

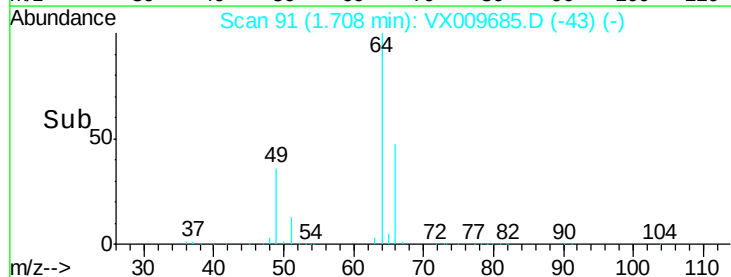
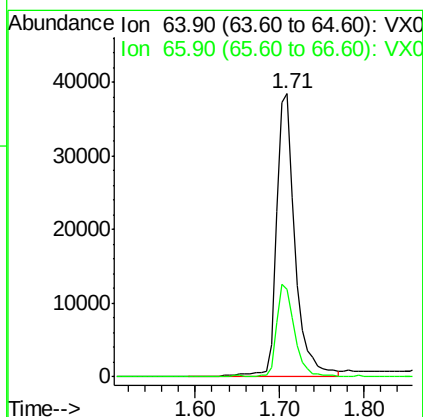
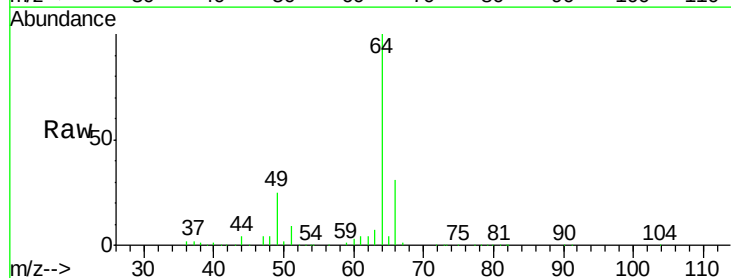
Acq: 18 May 2019 00:24

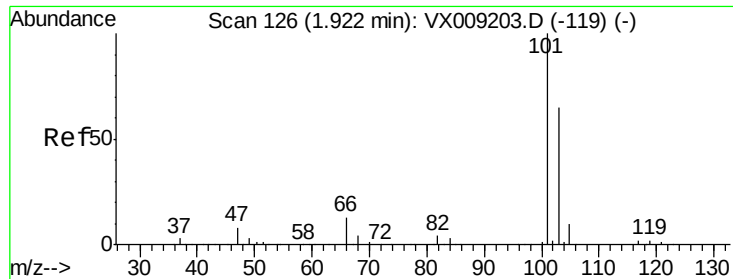
Tgt Ion: 64 Resp: 58412

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9





#7

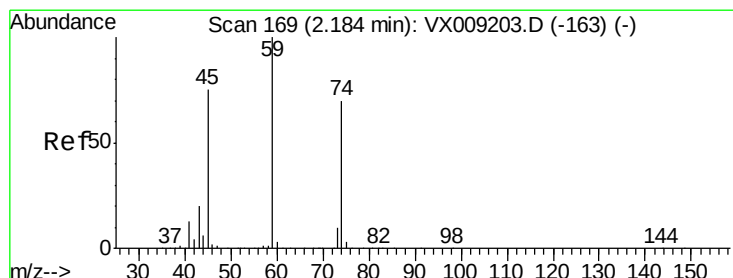
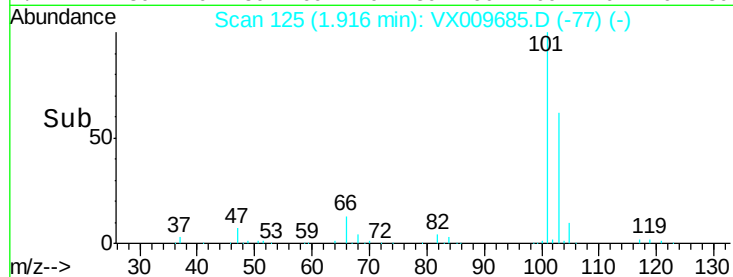
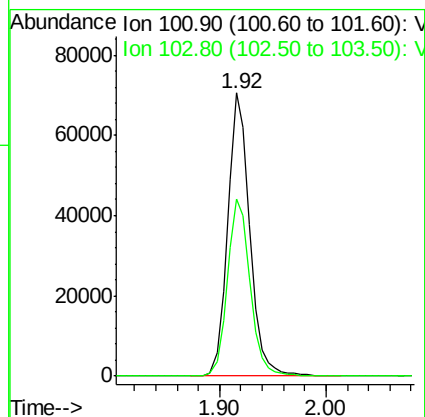
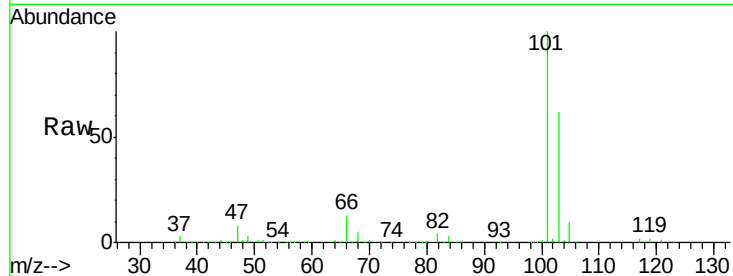
Trichlorofluoromethane
Concen: 49.362 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion:101 Resp: 102314
Ion Ratio Lower Upper
101 100
103 62.4 52.4 78.6

Manual Integrations
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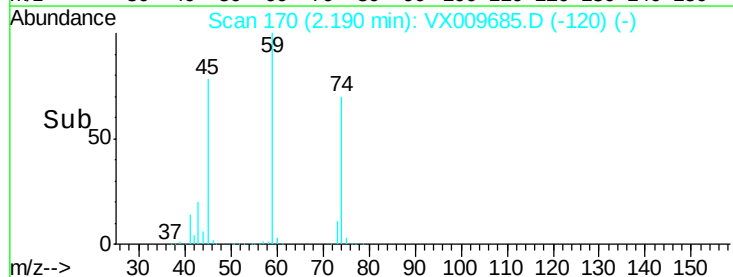
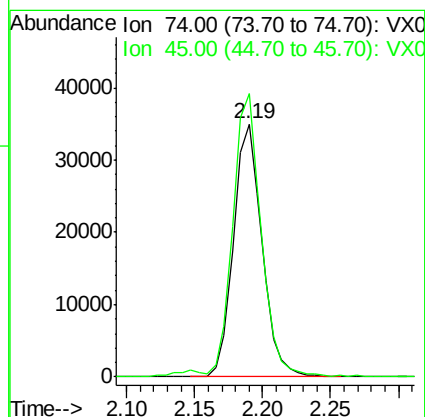
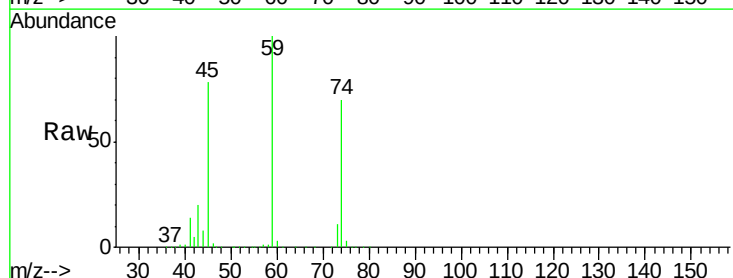
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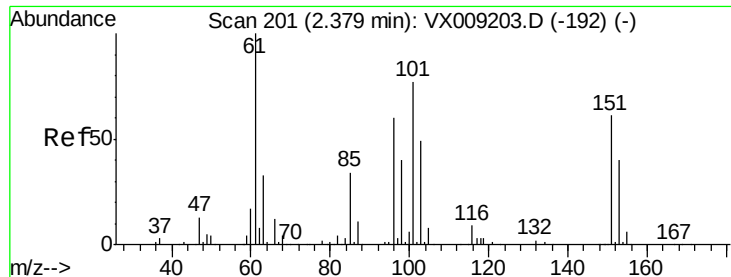


#8

Diethyl Ether
Concen: 51.994 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion: 74 Resp: 51048
Ion Ratio Lower Upper
74 100
45 113.6 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.686 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

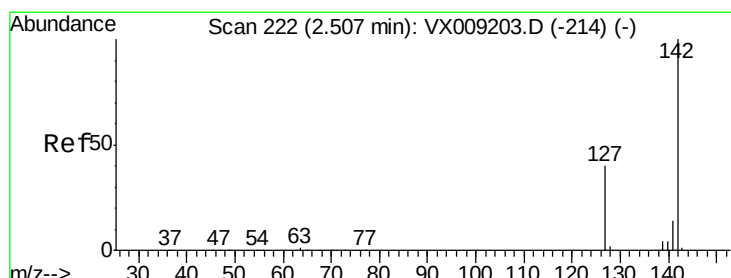
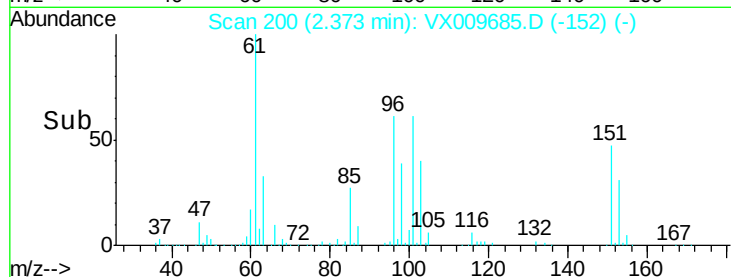
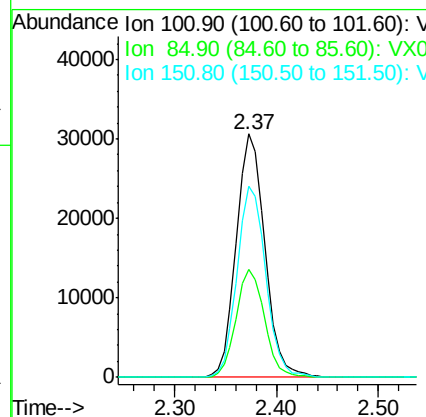
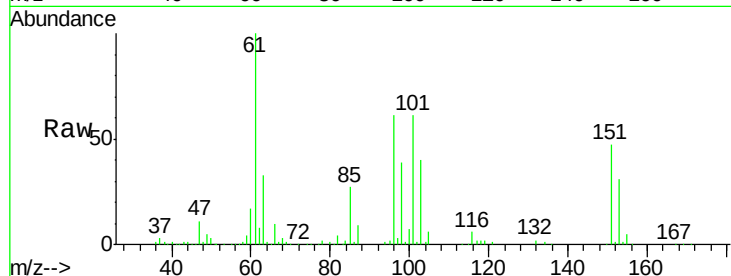
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	101	Resp:	59465
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.7	53.5
151	78.8	62.2	93.2

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#10

Methyl Iodide

Concen: 36.870 ug/l

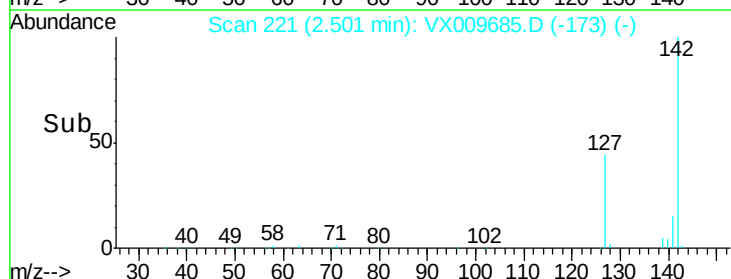
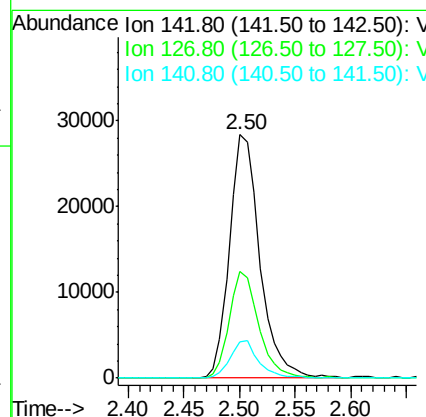
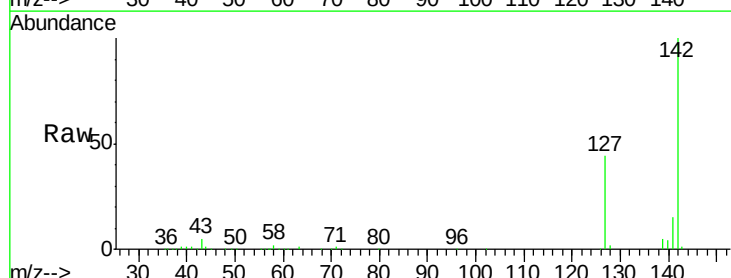
RT: 2.50 min Scan# 221

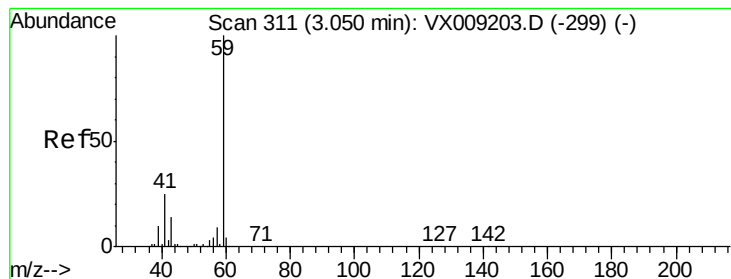
Delta R.T. -0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	142	Resp:	53750
Ion Ratio	Lower	Upper	
142	100		
127	42.6	32.7	49.1
141	14.7	11.5	17.3





#11

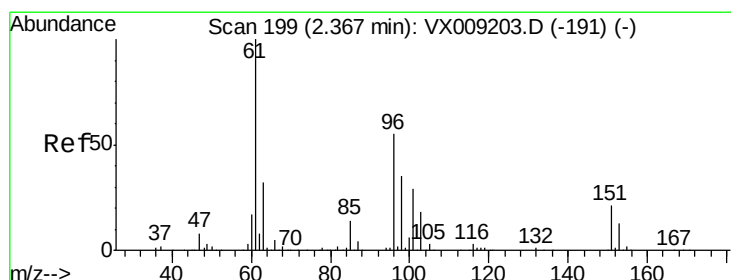
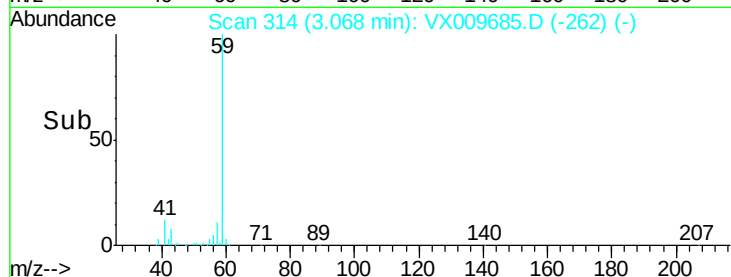
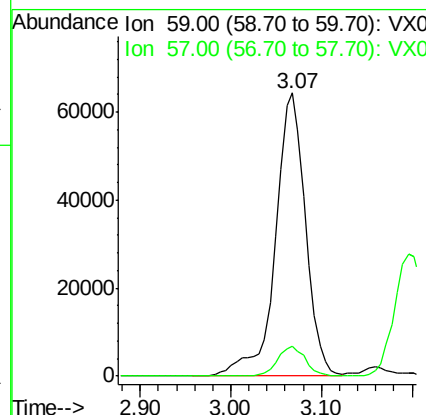
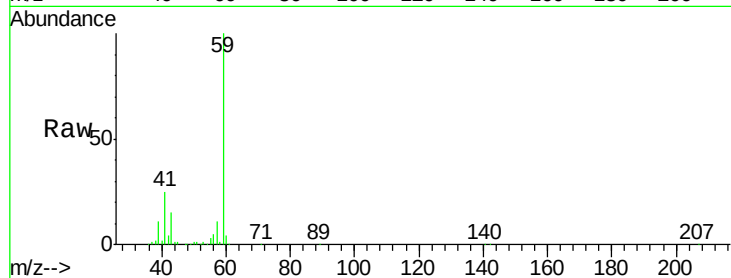
Tert butyl alcohol
Concen: 336.430 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.02 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion: 59 Resp: 147760
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2

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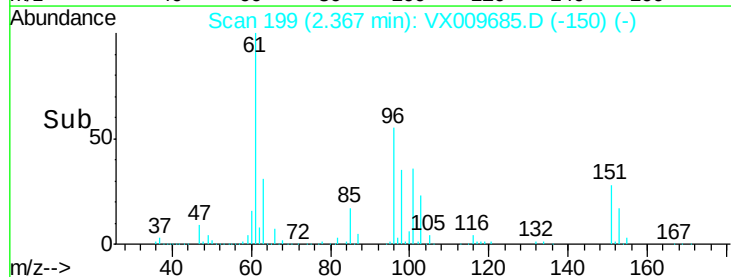
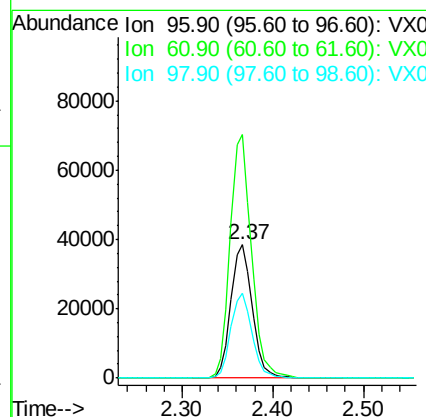
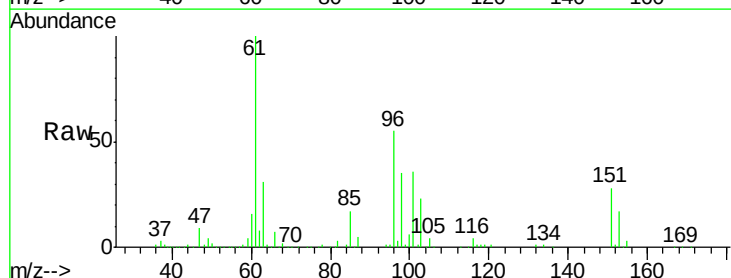
MMDadoda
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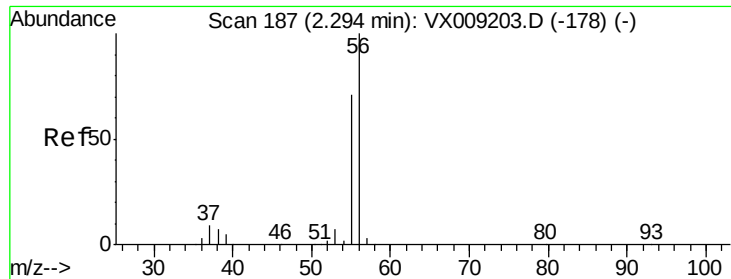


#12

1,1-Dichloroethene
Concen: 48.556 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion: 96 Resp: 63323
Ion Ratio Lower Upper
96 100
61 183.0 144.3 216.5
98 63.7 50.3 75.5





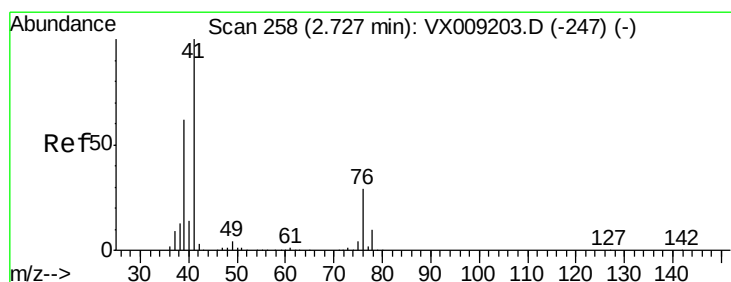
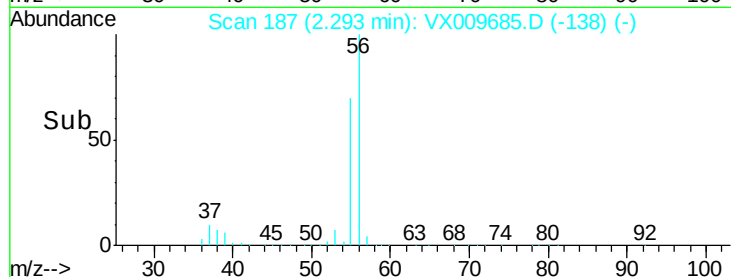
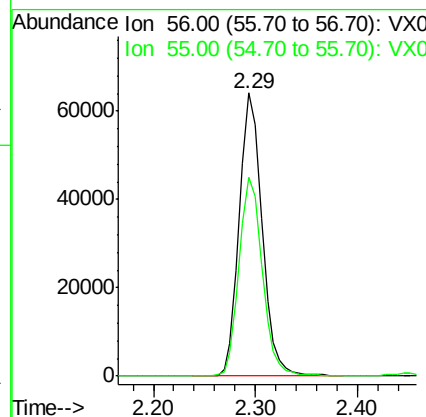
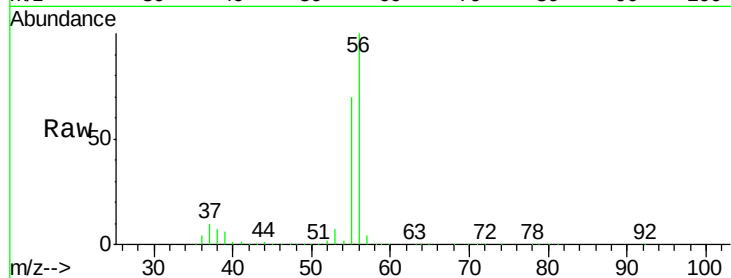
#13
Acrolein
Concen: 249.793 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.6	85.0

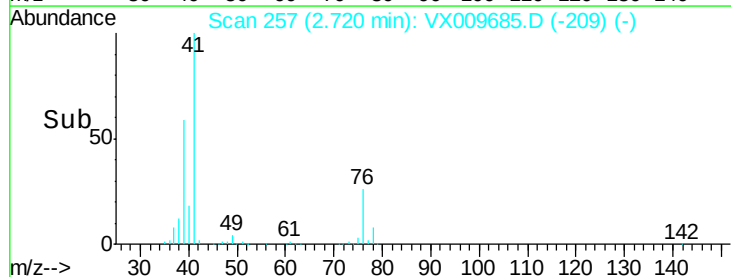
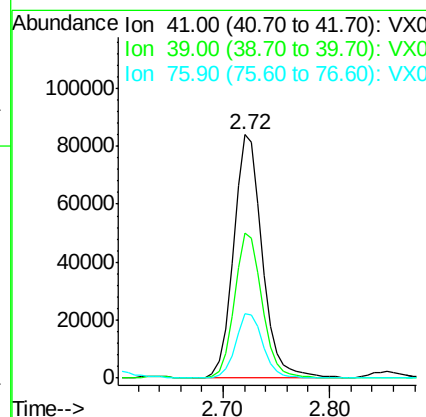
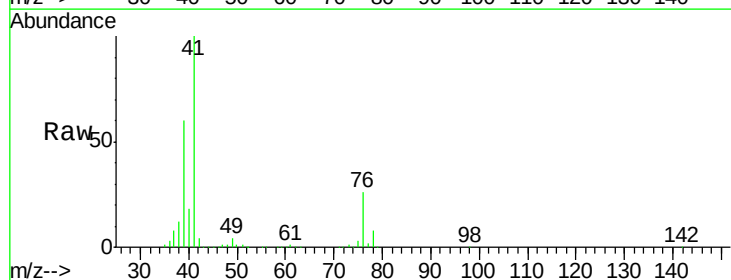
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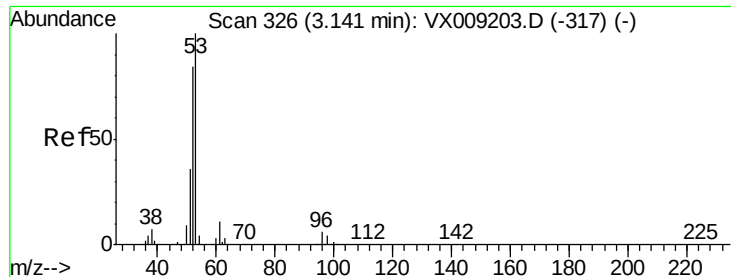
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#14
Allyl chloride
Concen: 49.702 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.7	70.1
76	25.6	21.8	32.8





#15

Acrylonitrile

Concen: 288.282 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

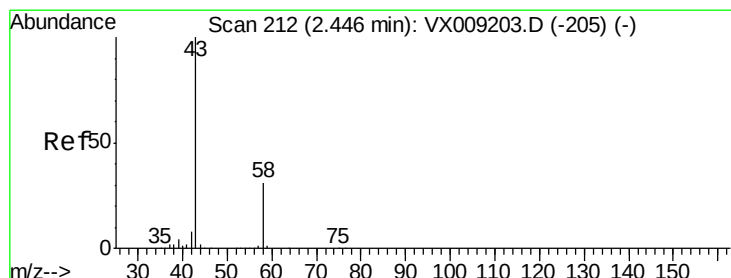
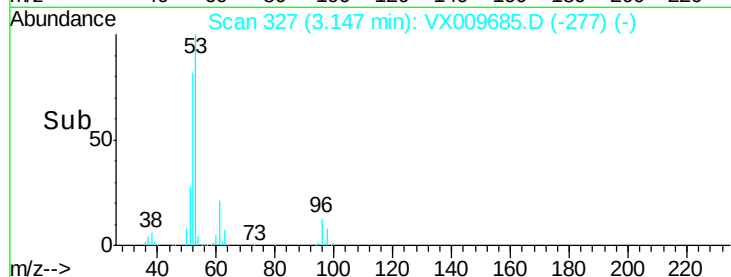
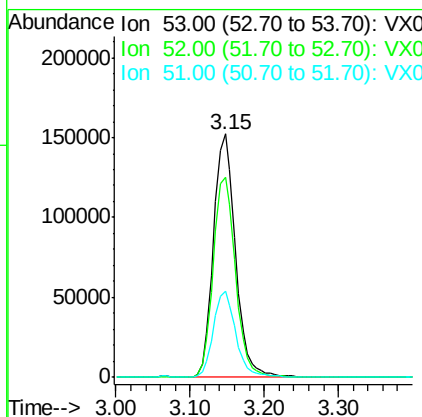
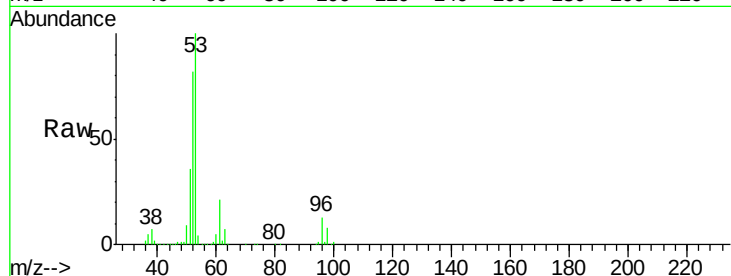
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	53	Resp:	309579
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.9	100.3
51	36.0	28.2	42.2

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#16

Acetone

Concen: 285.287 ug/l

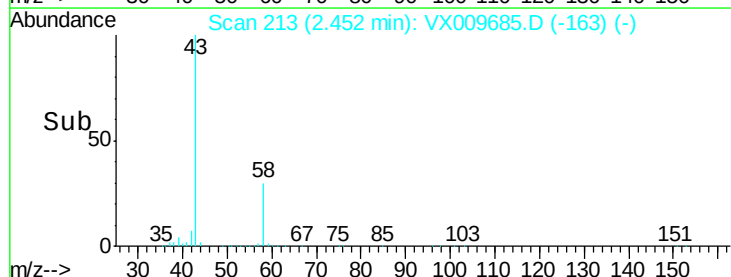
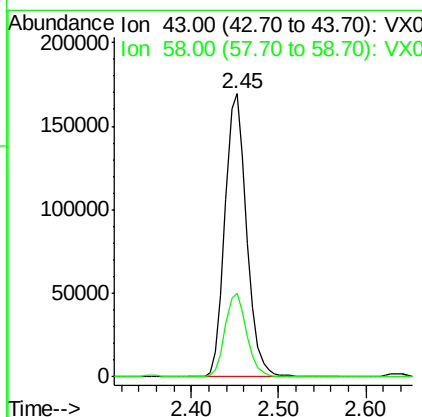
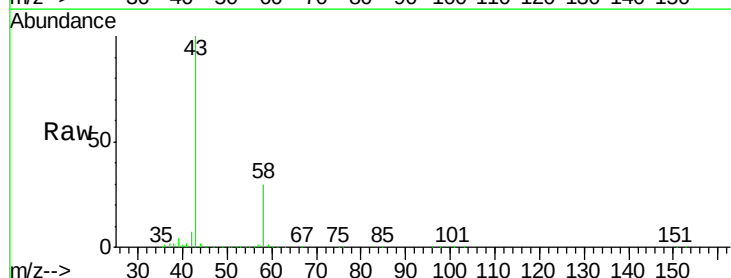
RT: 2.45 min Scan# 213

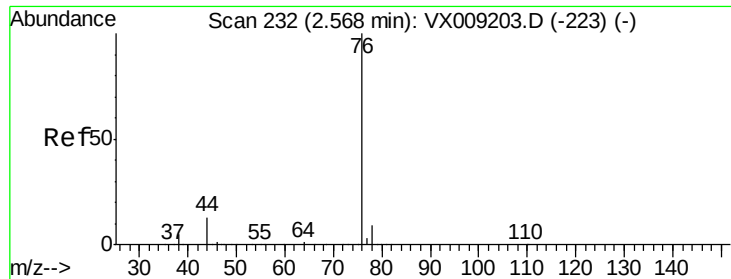
Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	43	Resp:	290658
Ion Ratio		Lower	Upper
43	100		
58	29.5	24.9	37.3





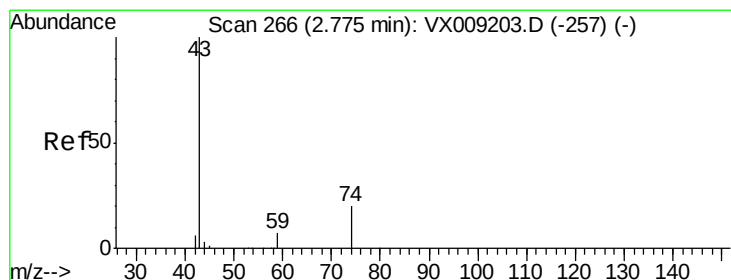
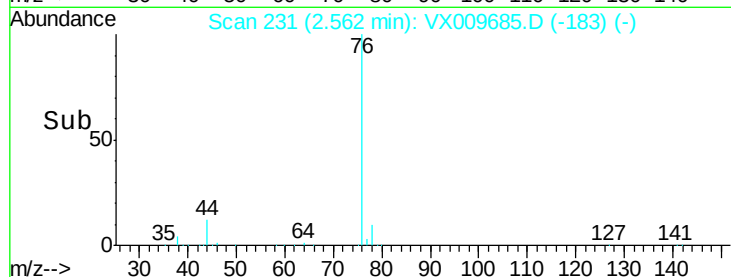
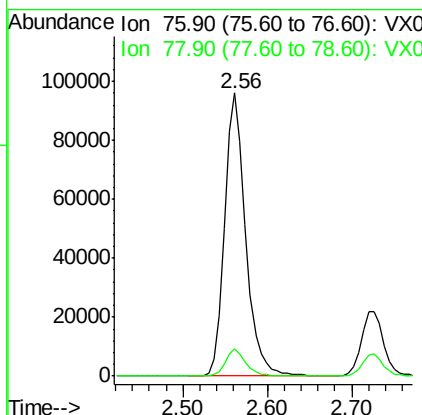
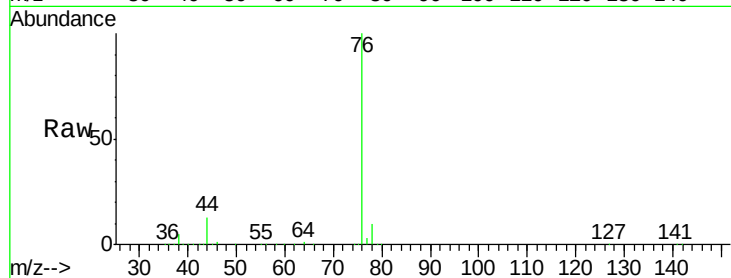
#17
Carbon Disulfide
Concen: 44.961 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion: 76 Resp: 164622
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0

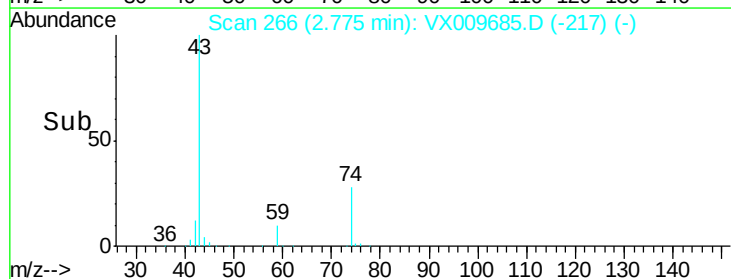
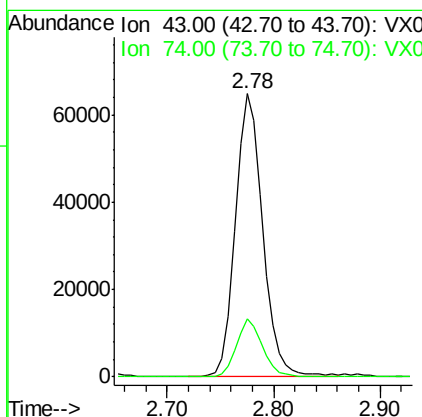
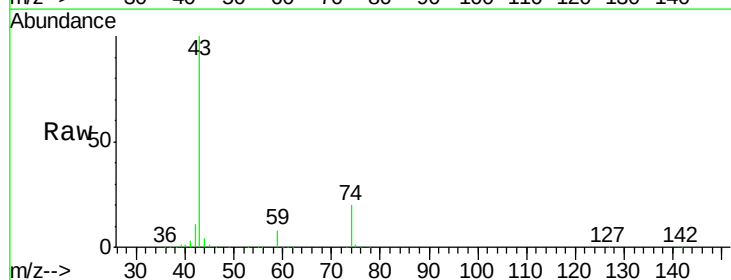
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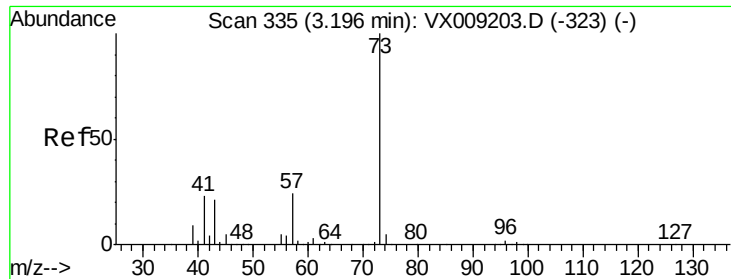
MMDadoda
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#18
Methyl Acetate
Concen: 47.887 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion: 43 Resp: 116030
Ion Ratio Lower Upper
43 100
74 19.6 16.2 24.4





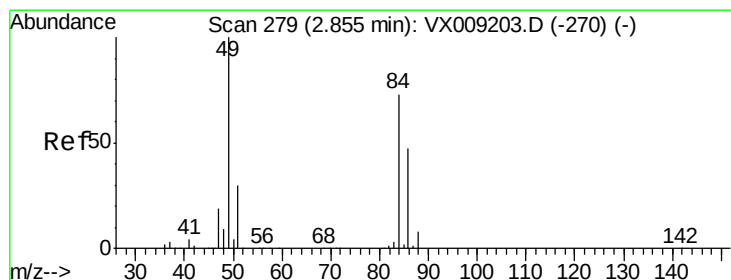
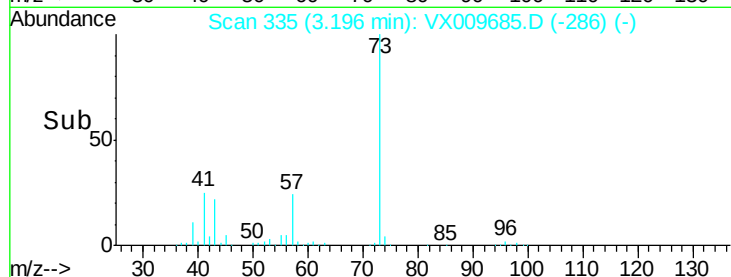
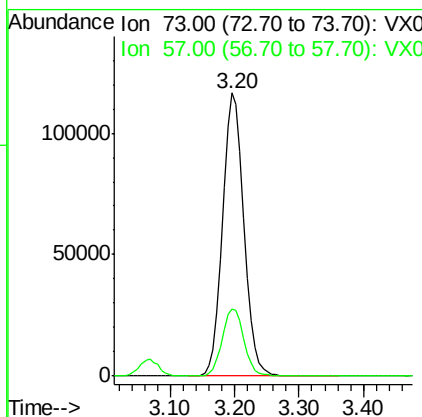
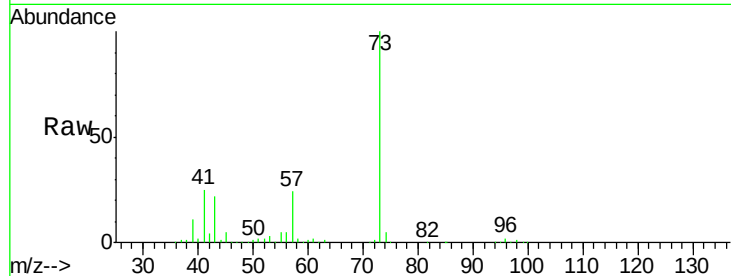
#19
Methvl tert-butyl Ether
Concen: 53.877 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion: 73 Resp: 272847
Ion Ratio Lower Upper
73 100
57 23.7 19.3 28.9

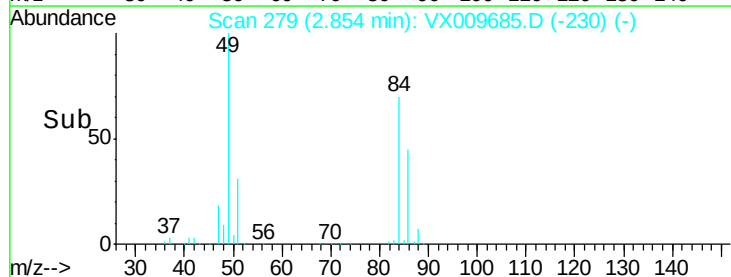
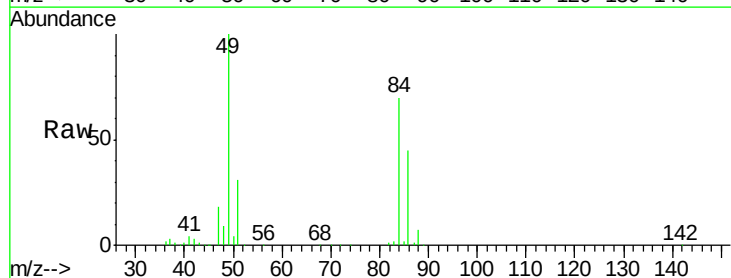
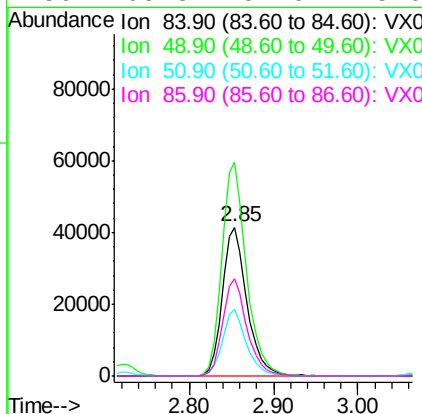
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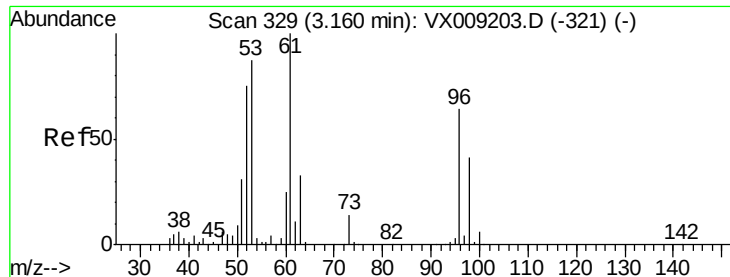
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#20
Methylene Chloride
Concen: 50.061 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion: 84 Resp: 82581
Ion Ratio Lower Upper
84 100
49 143.6 109.9 164.9
51 44.3 32.7 49.1
86 65.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.028 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

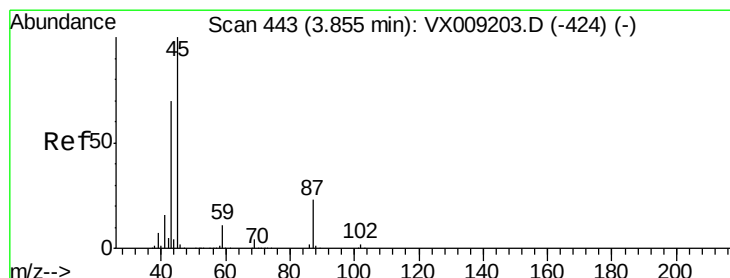
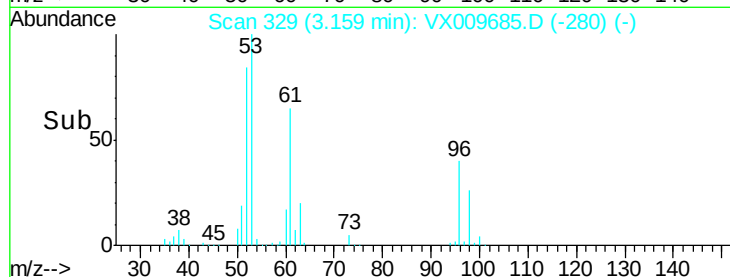
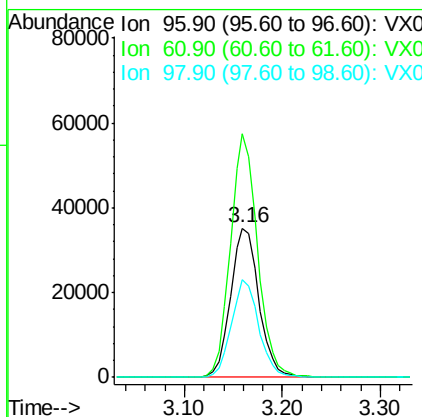
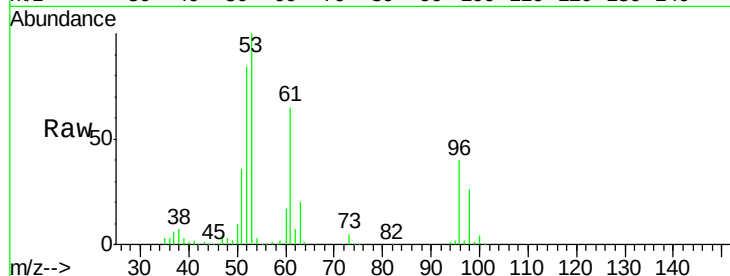
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	96	Resp:	70756
Ion	Ratio	Lower	Upper
96	100		
61	163.4	124.5	186.7
98	65.2	50.4	75.6

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#22

Diisopropyl ether

Concen: 53.478 ug/l

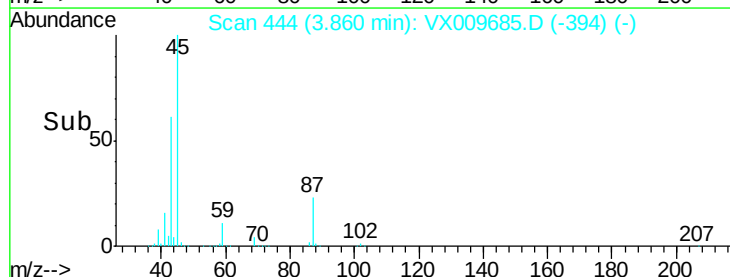
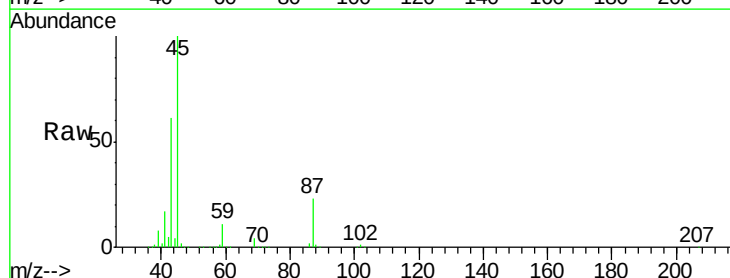
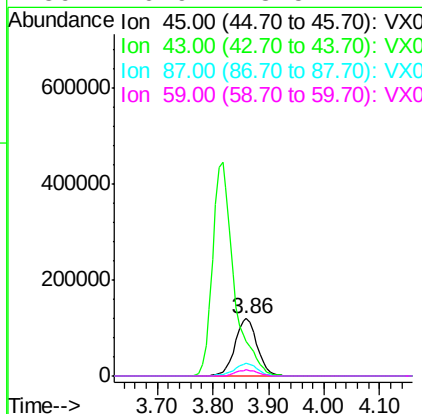
RT: 3.86 min Scan# 444

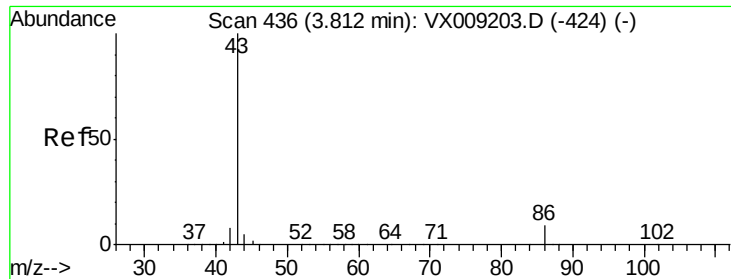
Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	45	Resp:	326858
Ion	Ratio	Lower	Upper
45	100		
43	60.9	56.1	84.1
87	23.3	18.1	27.1
59	10.9	8.5	12.7





#23

Vinyl Acetate

Concen: 226.560 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion: 43 Resp: 1185767

Ion Ratio Lower Upper

43 100

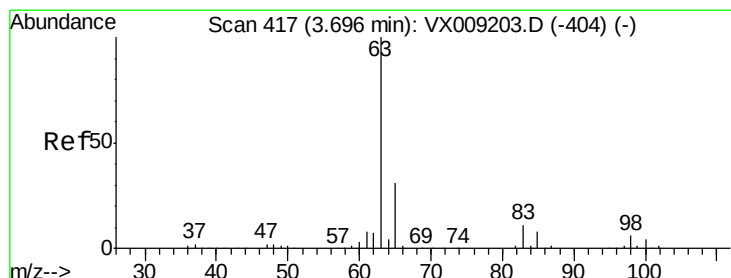
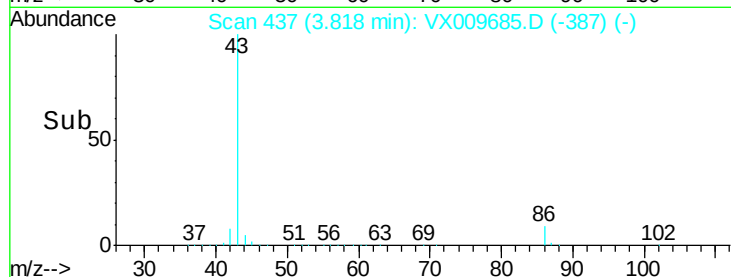
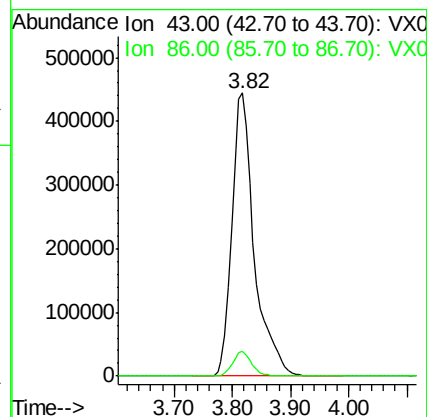
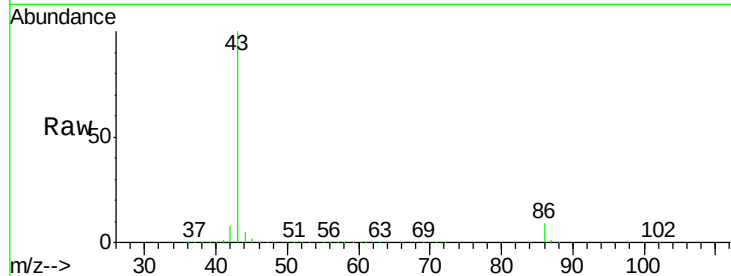
86 8.6 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 51.506 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

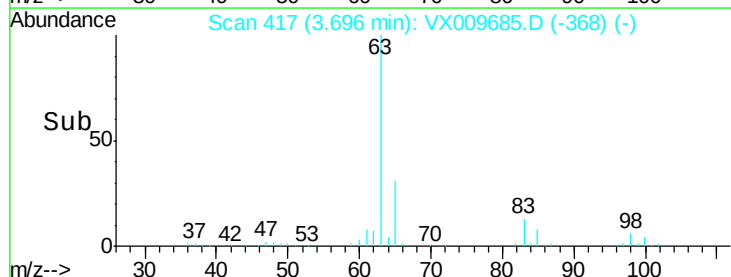
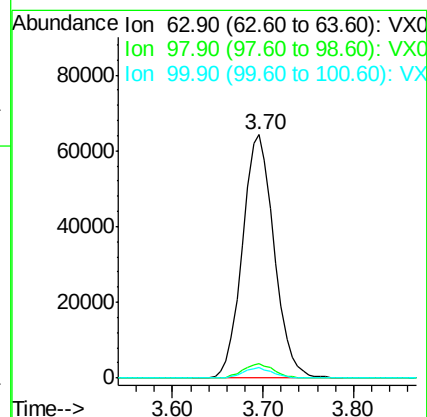
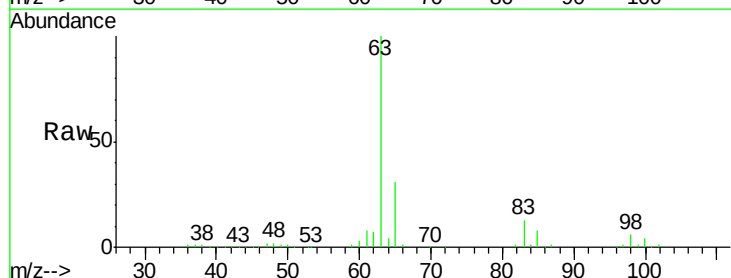
Tgt Ion: 63 Resp: 155297

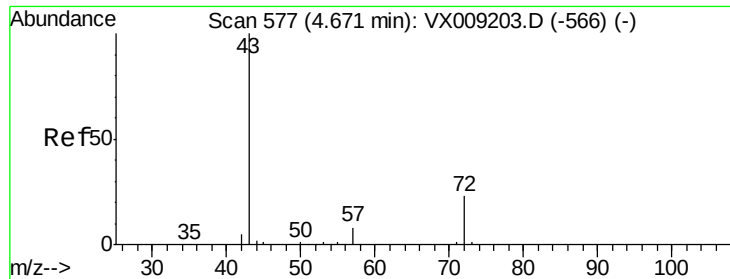
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 300.554 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion: 43 Resp: 475845

Ion Ratio Lower Upper

43 100

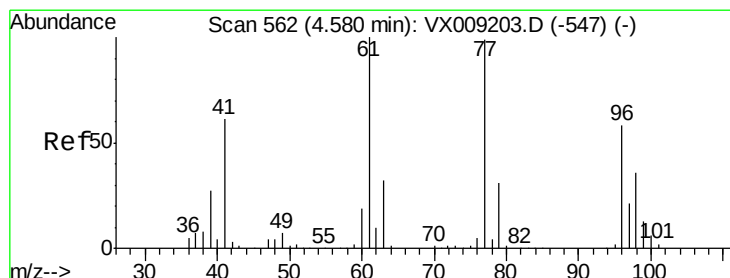
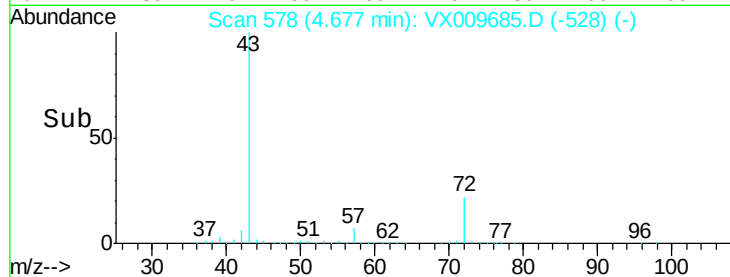
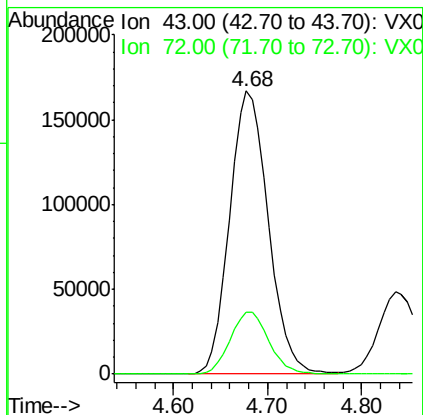
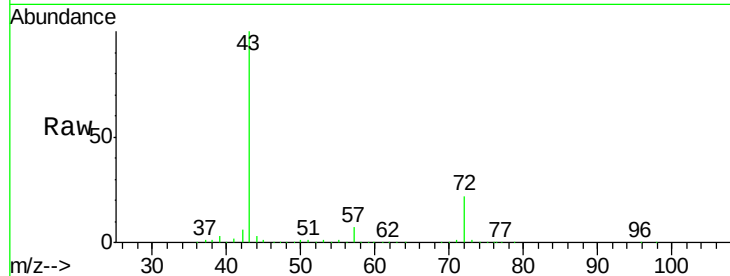
72 22.0 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 35.080 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009685.D

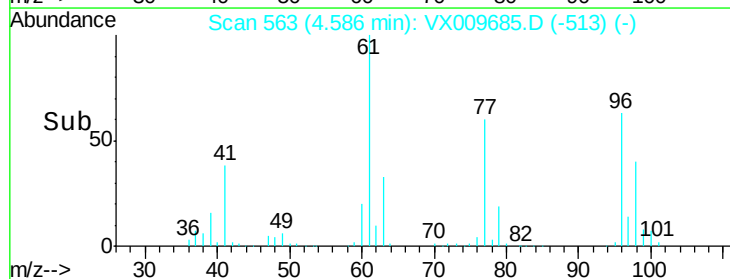
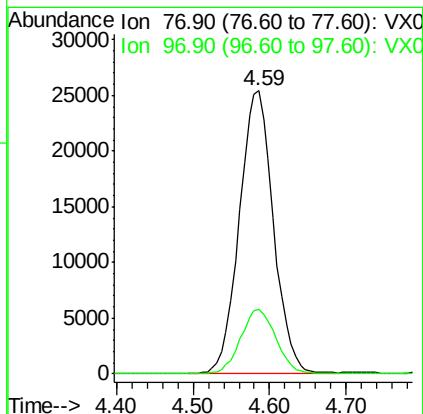
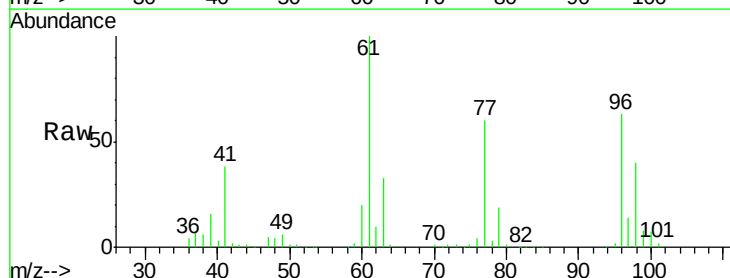
Acq: 18 May 2019 00:24

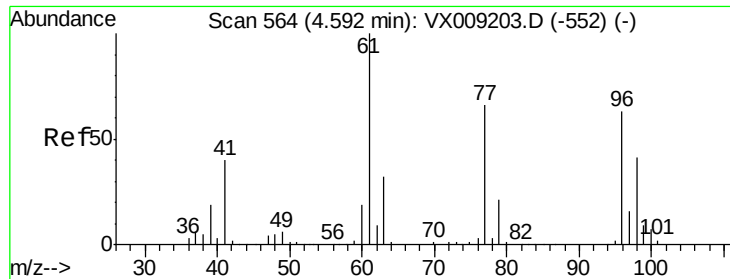
Tgt Ion: 77 Resp: 78729

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.4





#27

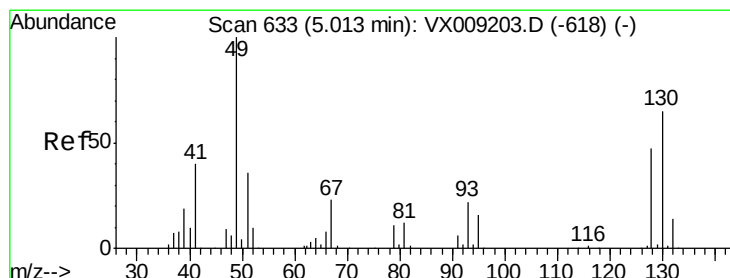
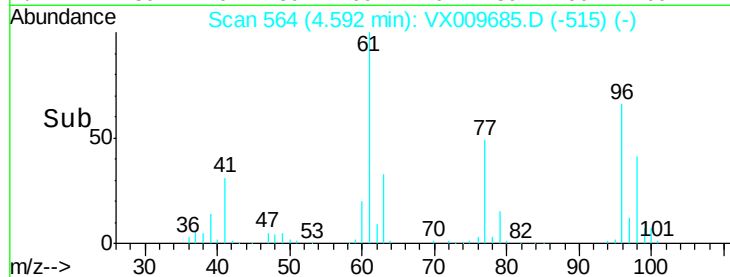
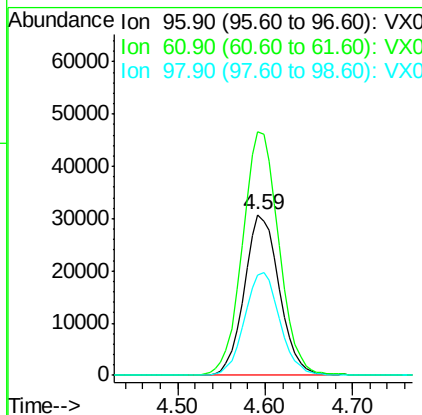
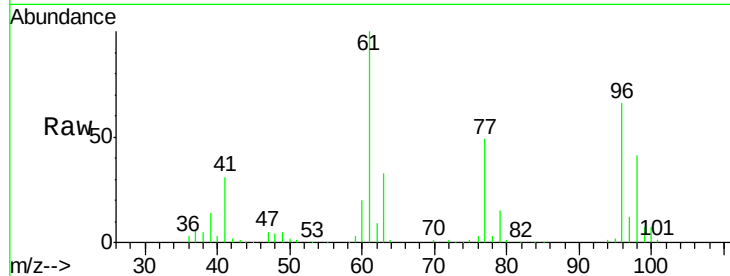
cis-1,2-Dichloroethene
Concen: 50.645 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	324.0
98	64.7	0.0	130.4

Manual Integrations
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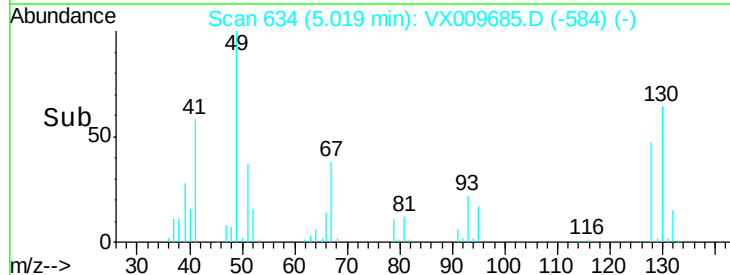
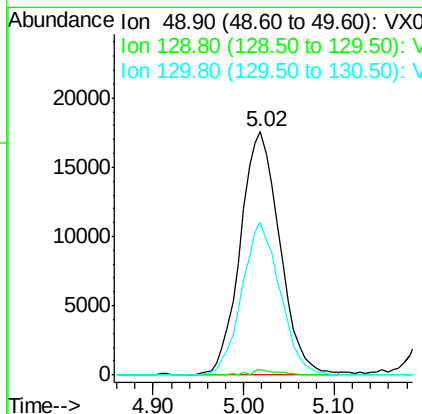
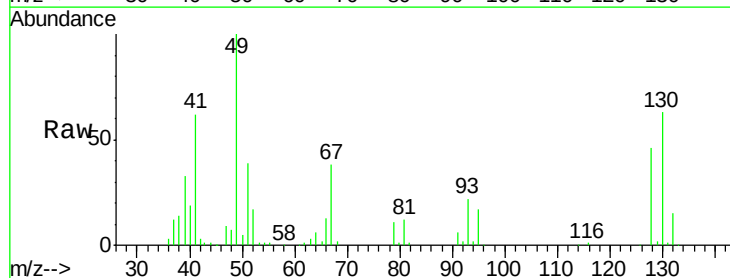
MMDadoda
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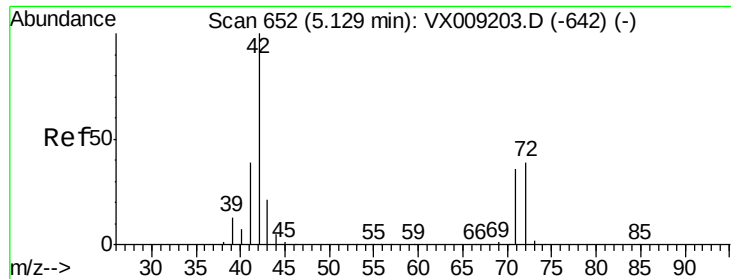


#28

Bromochloromethane
Concen: 43.147 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	60.9	51.2	76.8





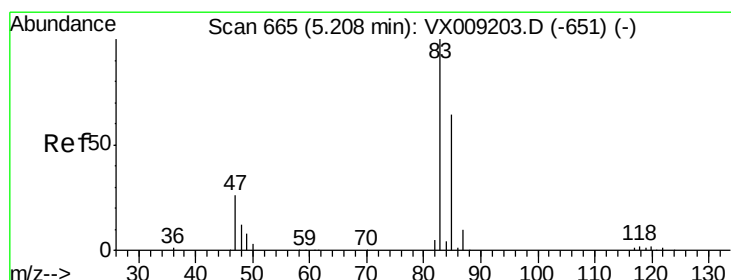
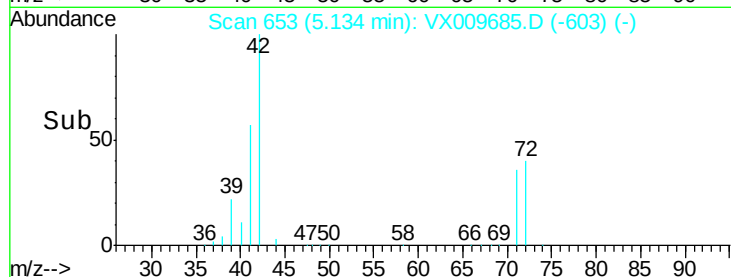
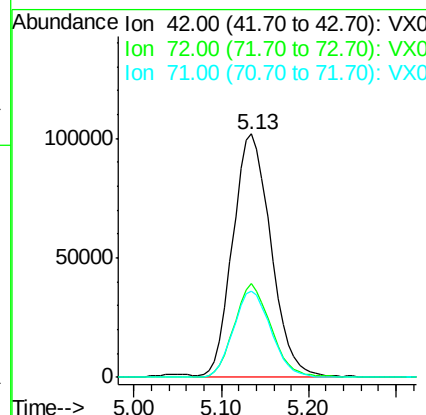
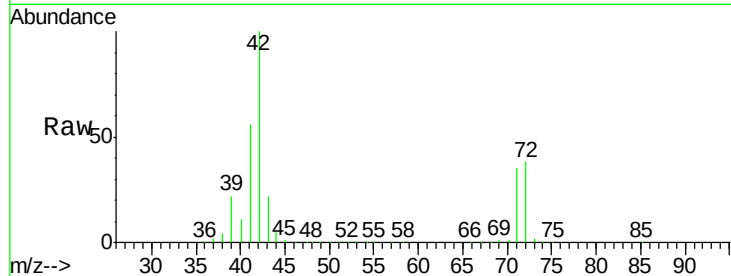
#29
Tetrahydrofuran
Concen: 300.699 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.4	45.6
71	35.4	28.6	43.0

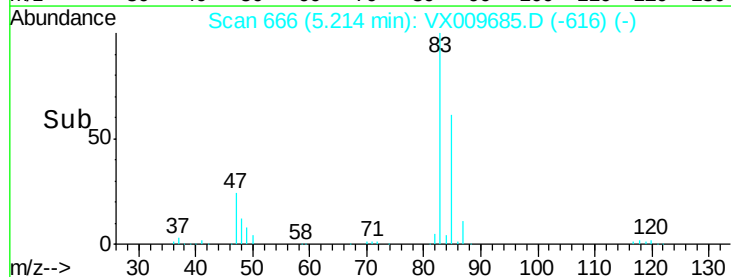
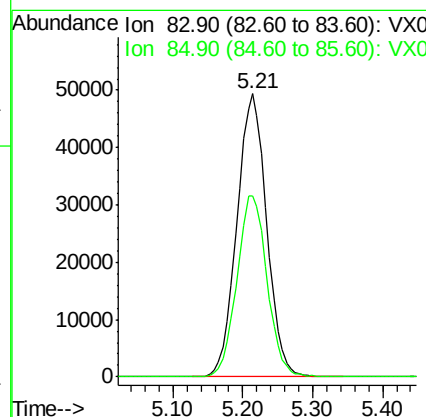
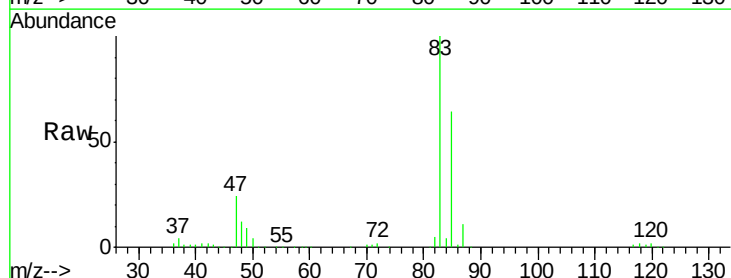
Manual Integrations
APPROVED

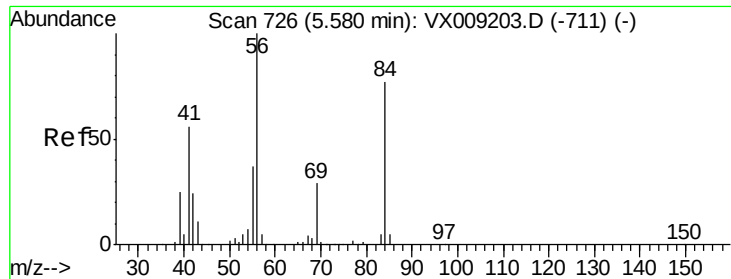
MMDadoda
5/20/2019 11:11:22 AM



#30
Chloroform
Concen: 53.540 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





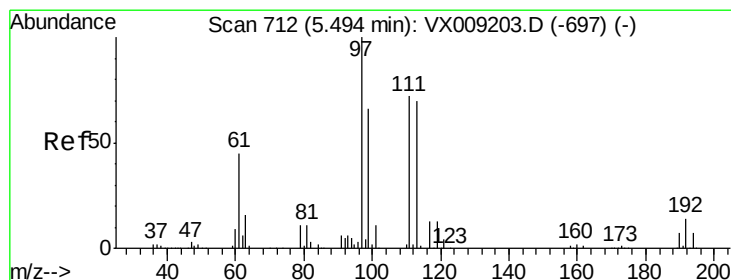
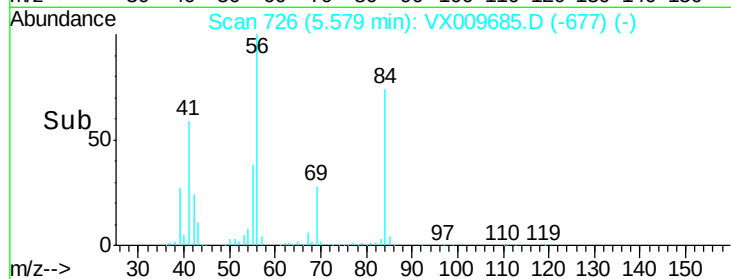
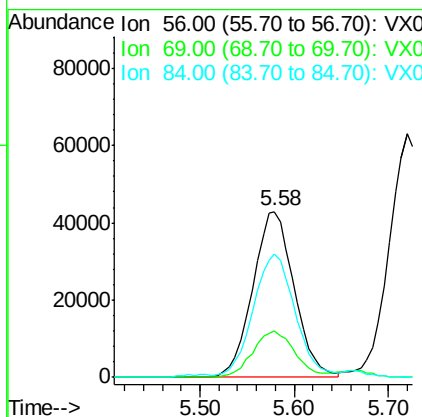
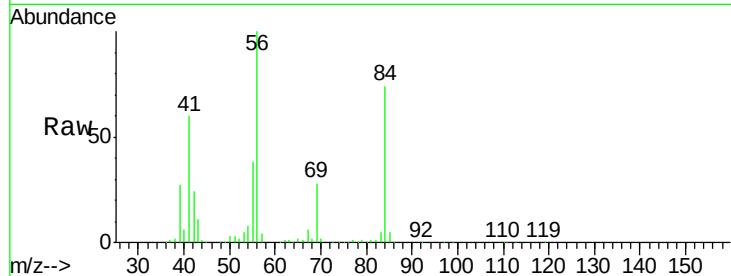
#31
Cyclohexane
Concen: 47.134 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.4	35.0
84	72.9	61.9	92.9

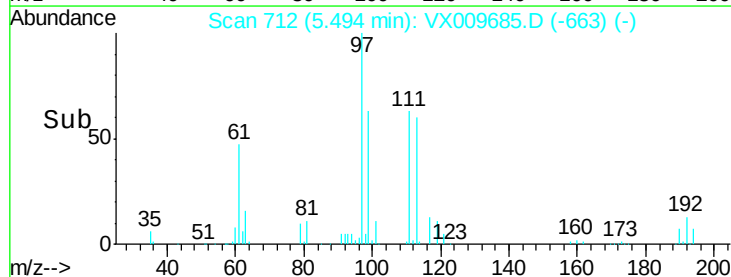
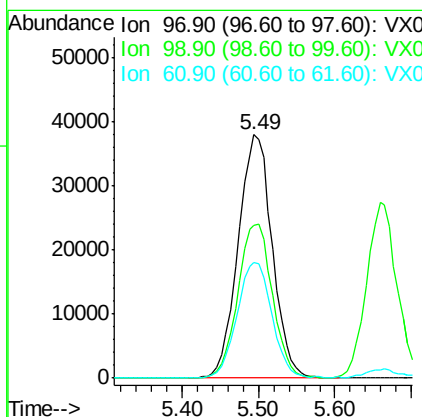
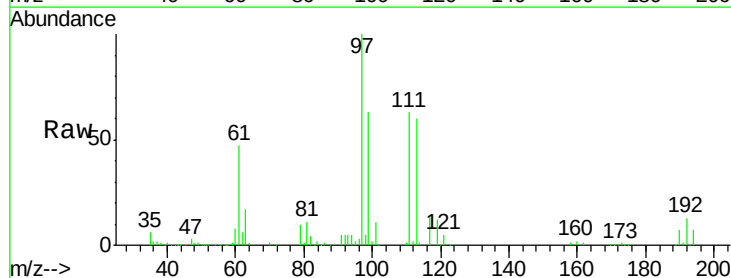
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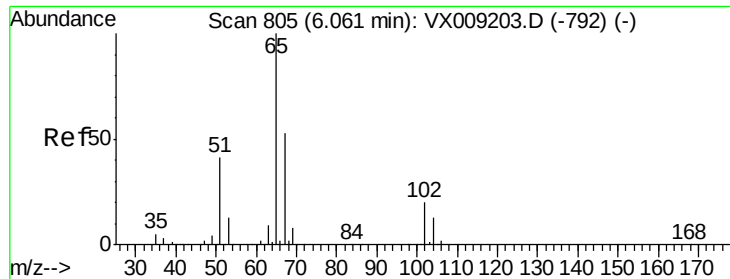
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#32
1,1,1-Trichloroethane
Concen: 51.754 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	48.8	37.8	56.8





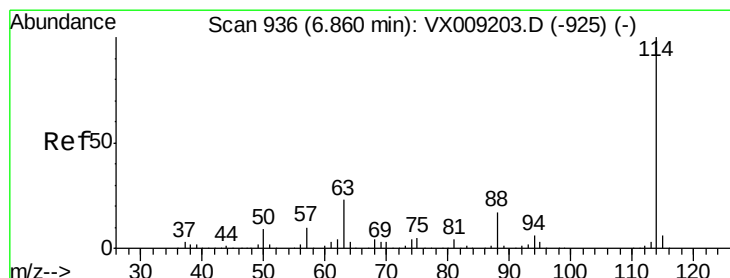
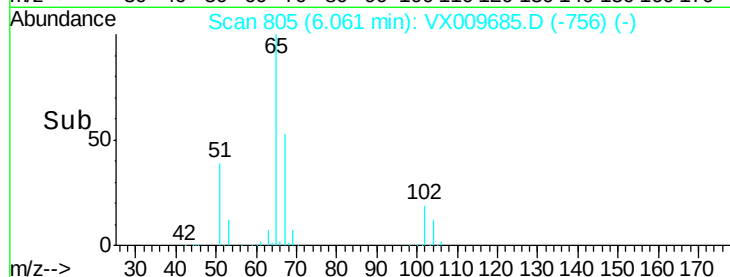
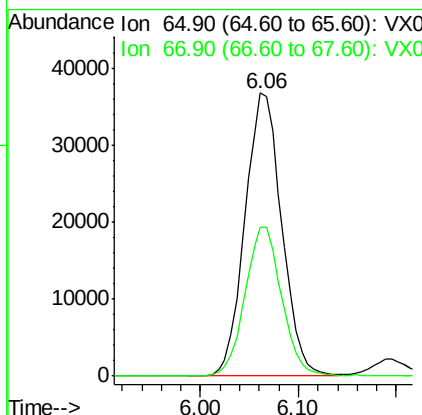
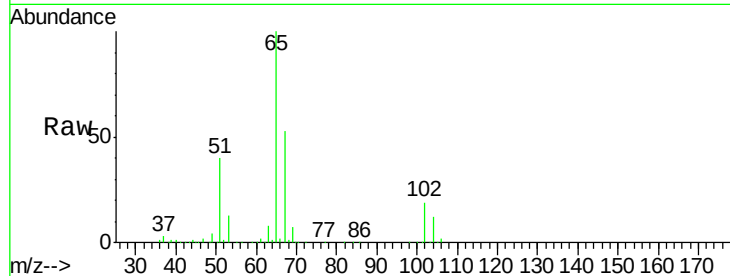
#33
 1,2-Dichloroethane-d4
 Concen: 50.650 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.6

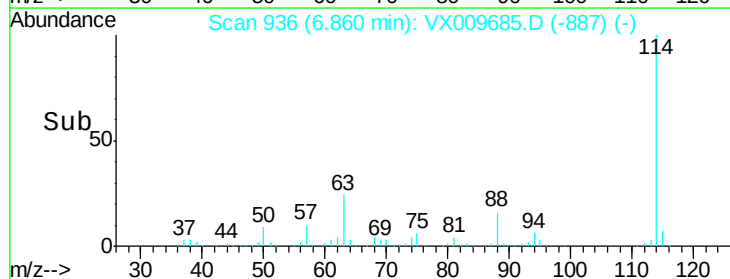
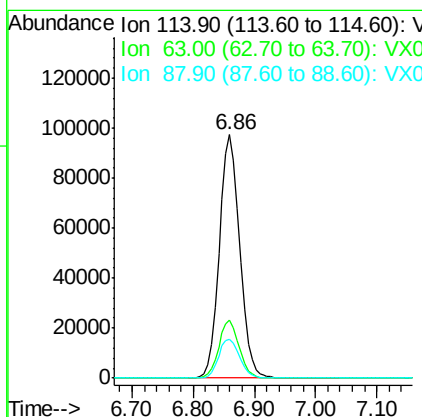
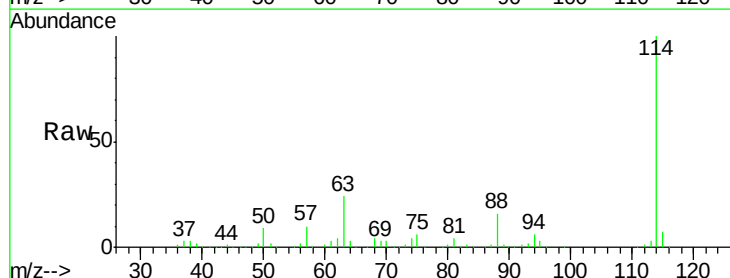
Manual Integrations
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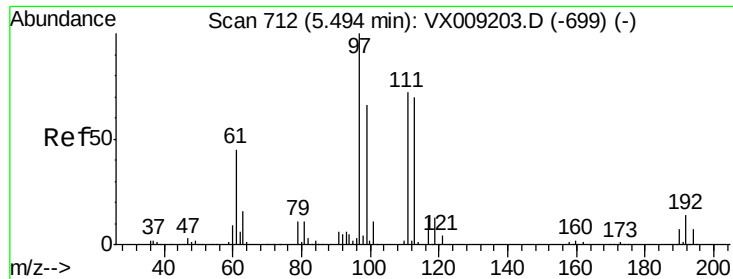
MMDadoda
 5/20/2019 11:11:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	45.6
88	16.0	0.0	33.2





#35

Dibromofluoromethane

Concen: 48.958 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

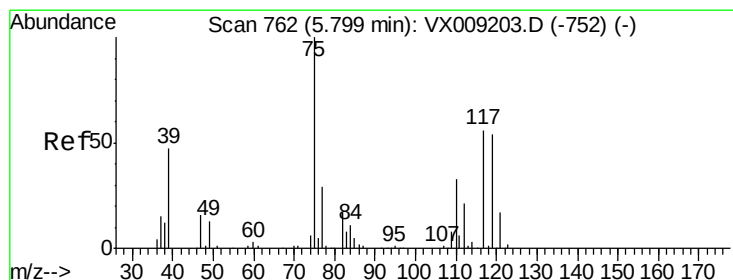
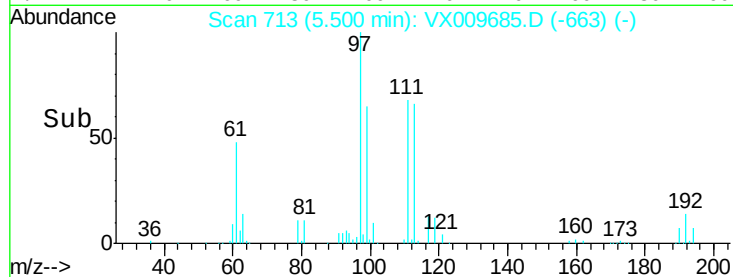
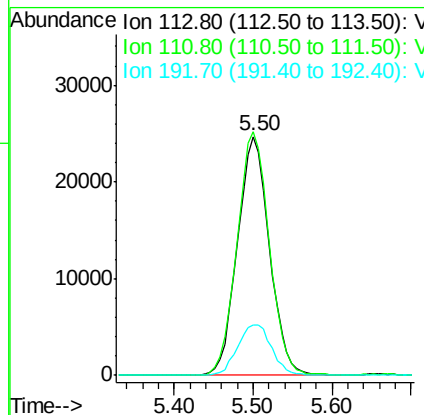
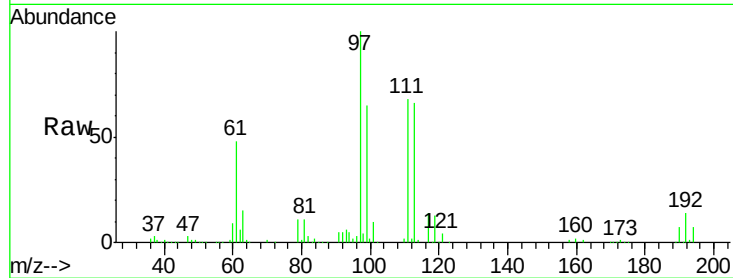
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	113	Resp:	69682
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	22.4	17.0	25.6

Manual Integrations
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5/20/2019 11:11:22 AM



#36

1,1-Dichloropropene

Concen: 48.989 ug/l

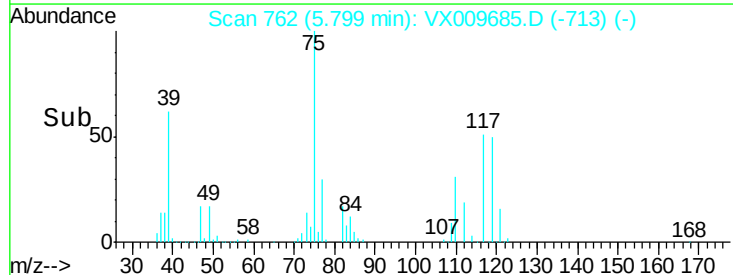
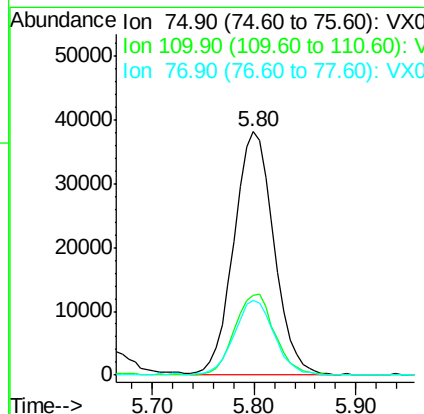
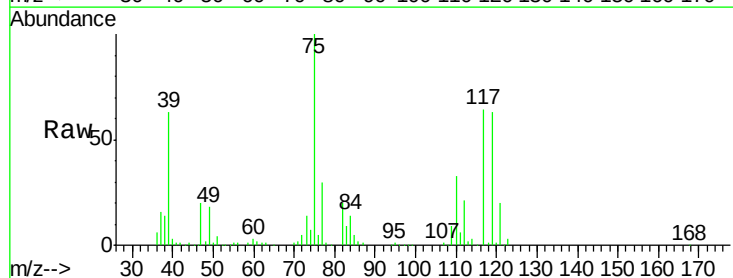
RT: 5.80 min Scan# 762

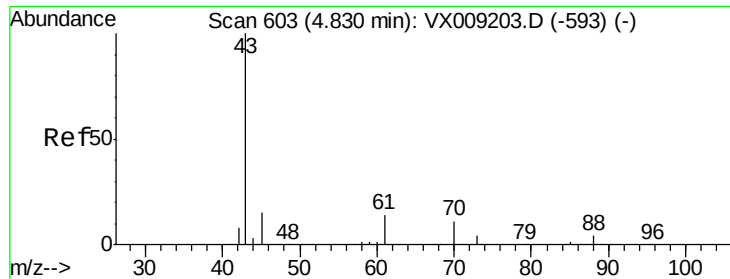
Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	75	Resp:	103076
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.1	24.8	37.2





#37

Ethyl Acetate

Concen: 49.040 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

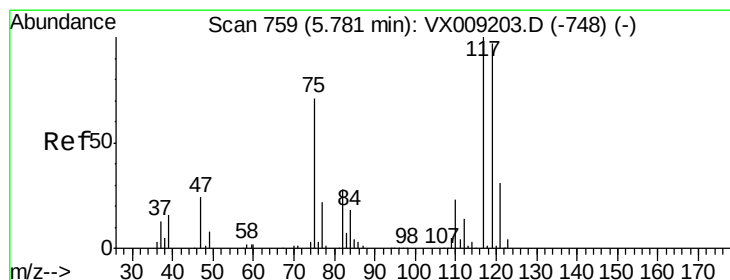
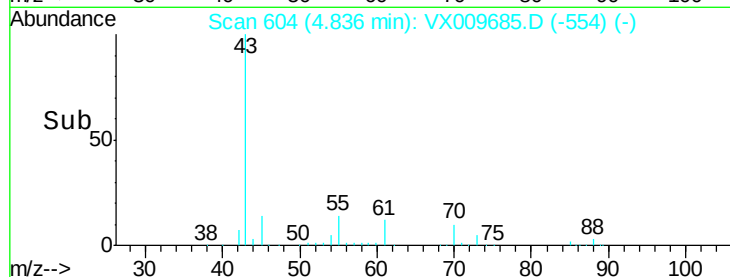
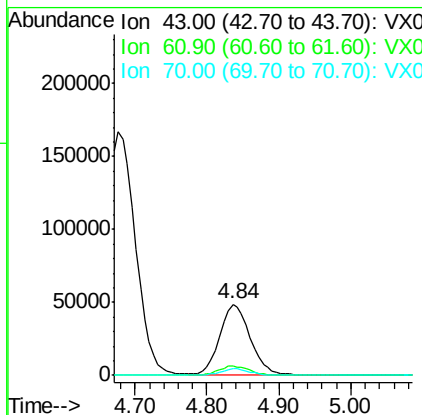
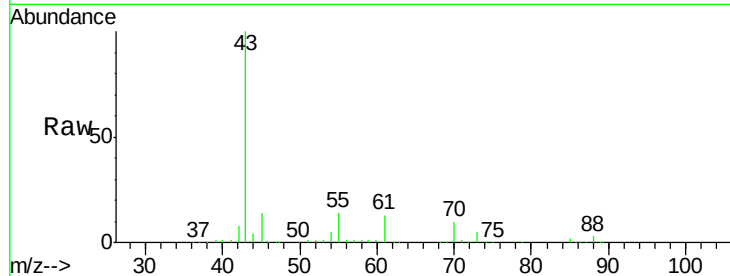
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	43	Resp:	143765
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	9.2	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.564 ug/l

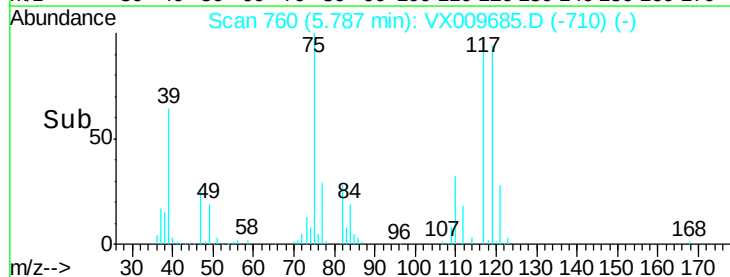
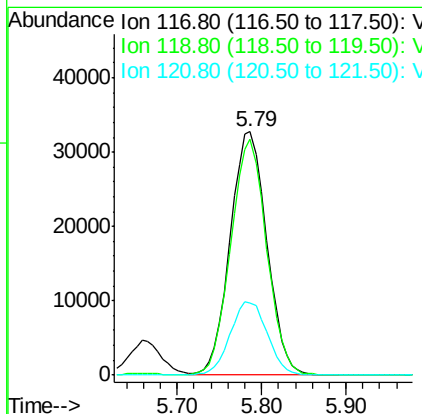
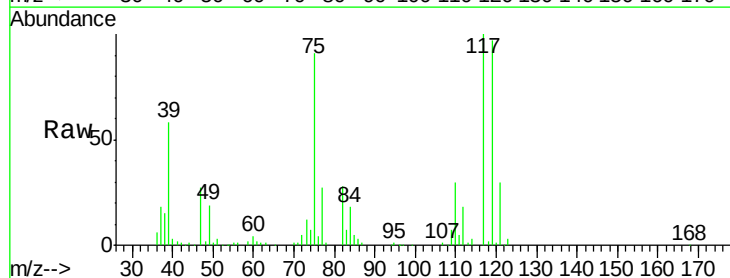
RT: 5.79 min Scan# 760

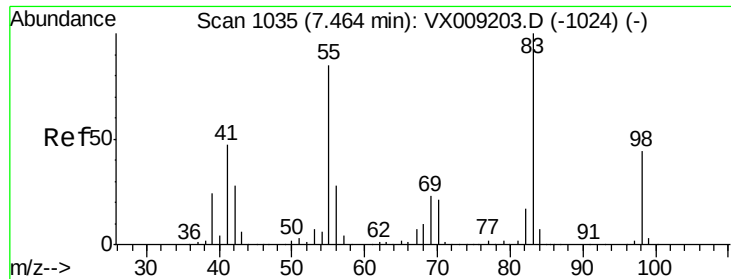
Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	117	Resp:	96663
Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.5	116.3
121	29.7	24.7	37.1





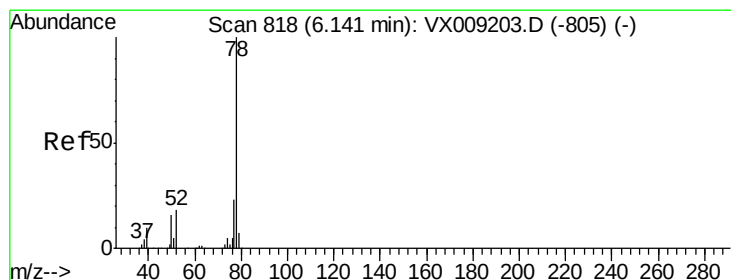
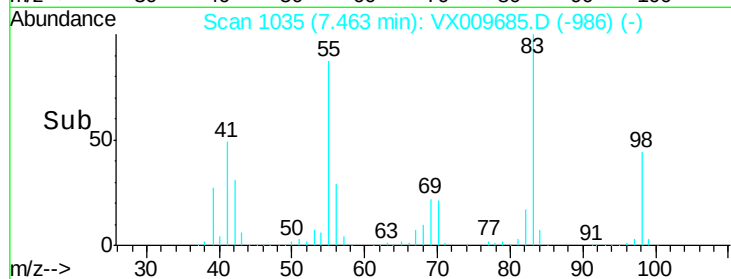
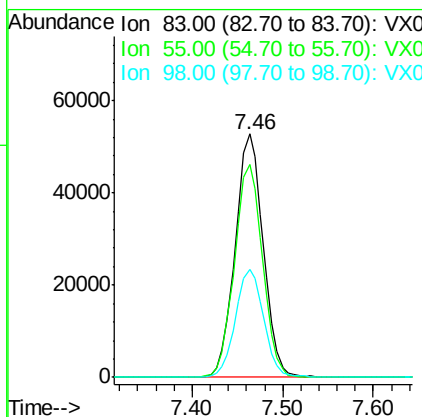
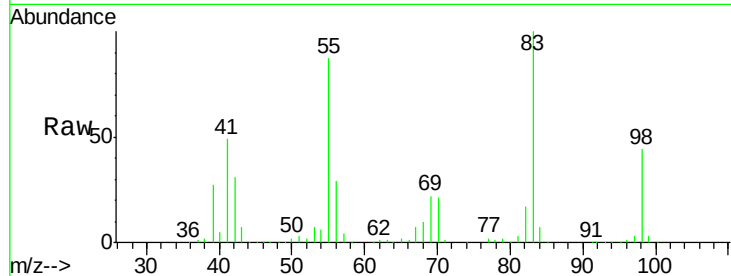
#39
Methylvlcyclohexane
Concen: 43.852 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	83.00	Resp	113313
Ion	Ratio	Lower	Upper
83	100		
55	87.3	67.7	101.5
98	44.2	35.5	53.3

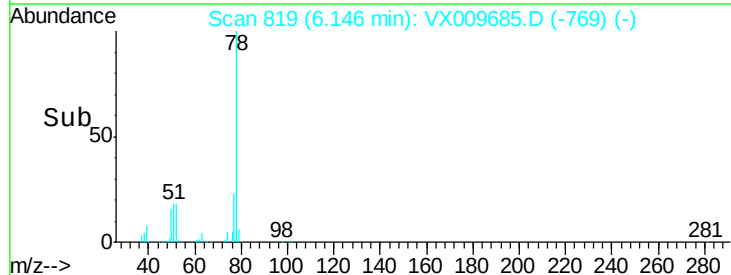
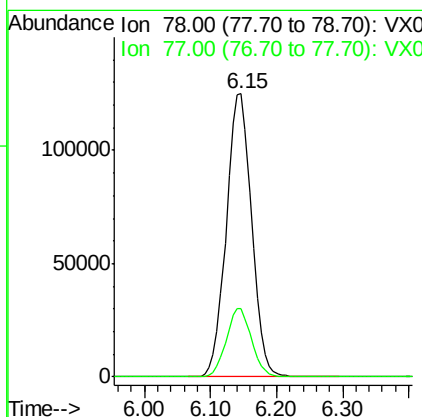
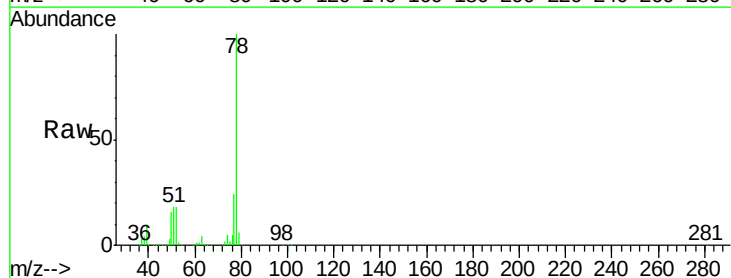
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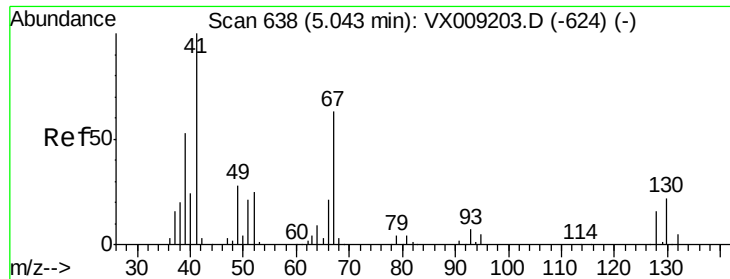
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#40
Benzene
Concen: 50.915 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	78	Resp	331548
Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





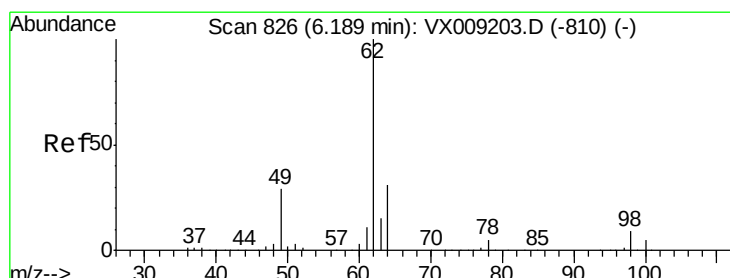
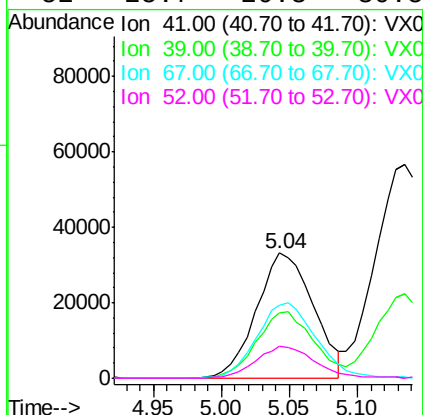
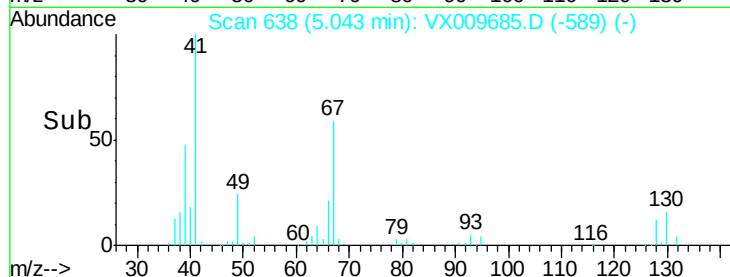
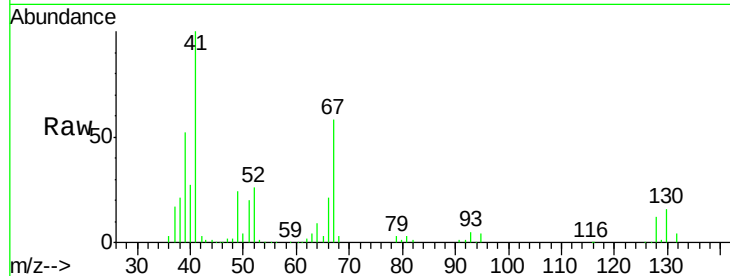
#41
Methacrylonitrile
Concen: 55.554 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.0	63.0	
67	62.7	49.8	74.8	
52	25.7	20.3	30.5	

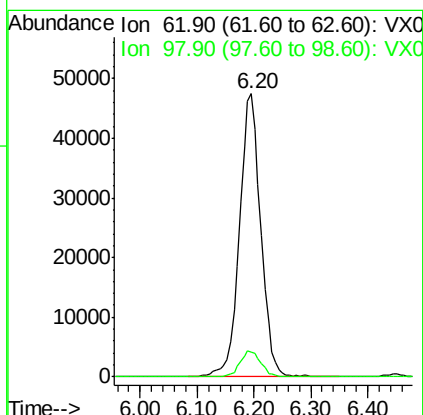
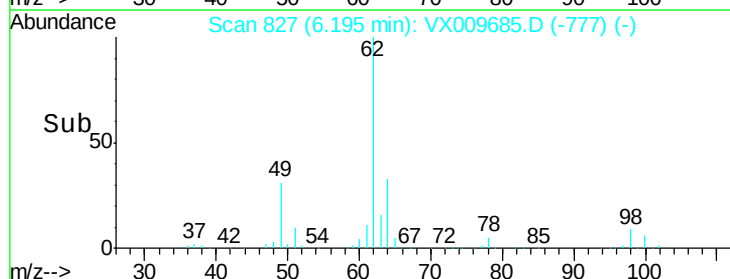
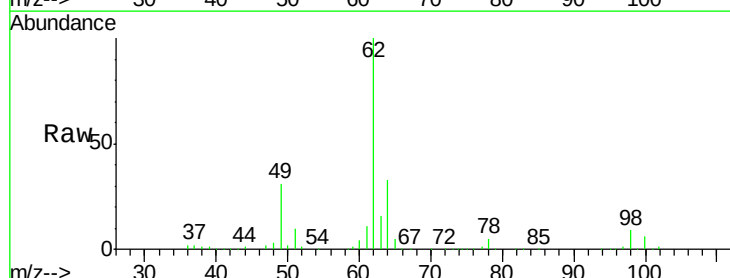
Manual Integrations
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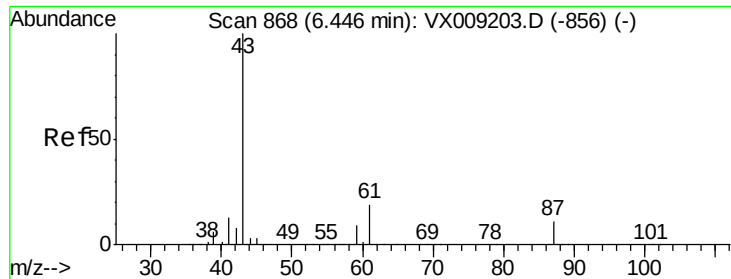
MMDadoda
5/20/2019 11:11:22 AM



#42
1,2-Dichloroethane
Concen: 53.028 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.2	





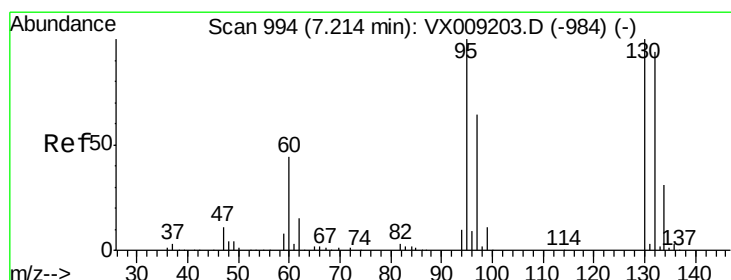
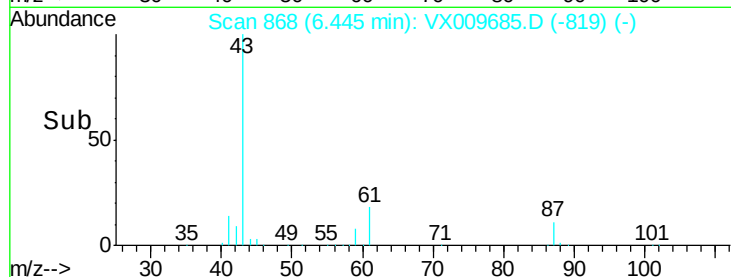
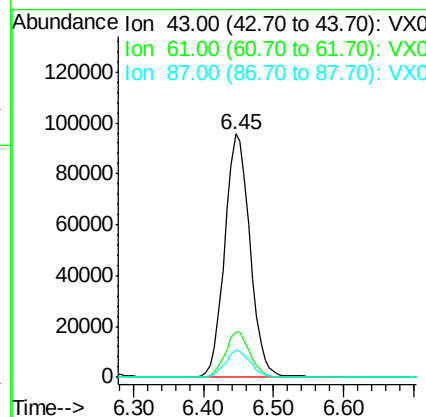
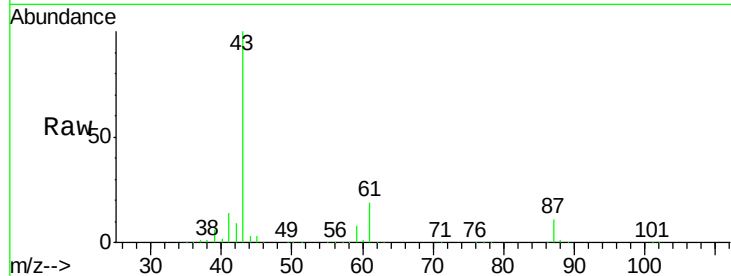
#43
Isopropyl Acetate
Concen: 50.868 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.1	22.7
87	11.1	9.0	13.6

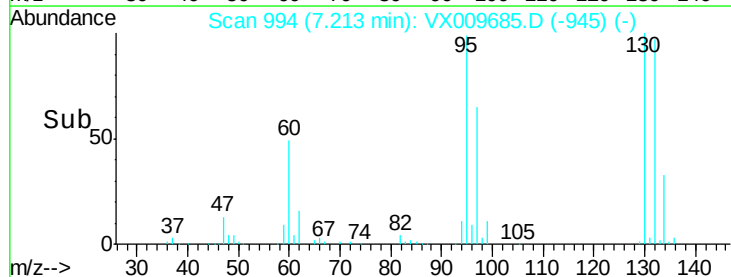
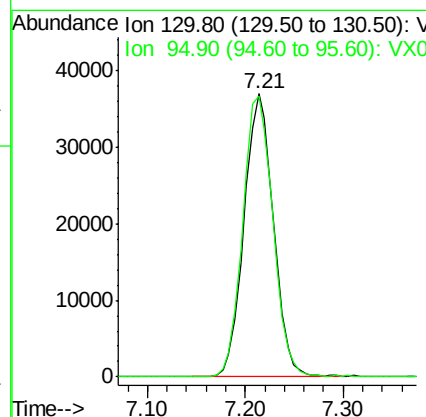
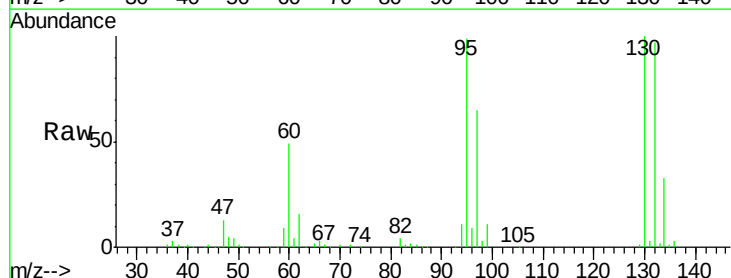
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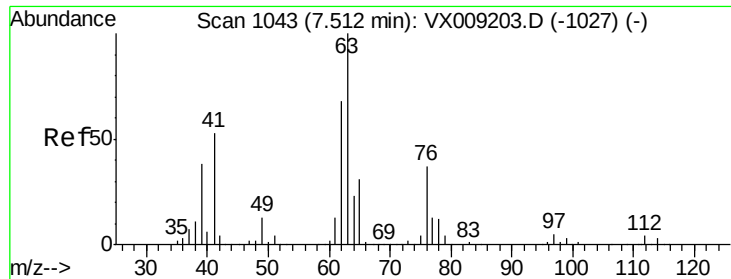
MMDadoda
5/20/2019 11:11:22 AM



#44
Trichloroethene
Concen: 48.959 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	199.2





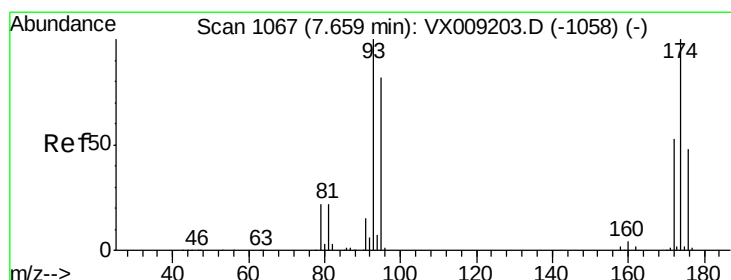
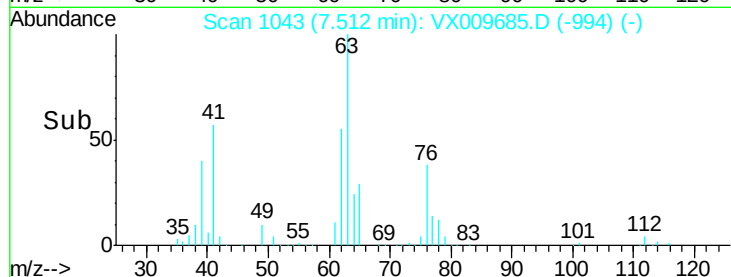
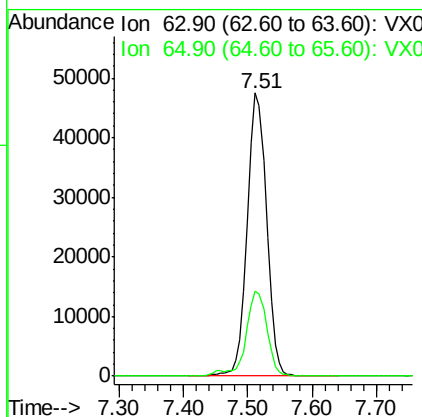
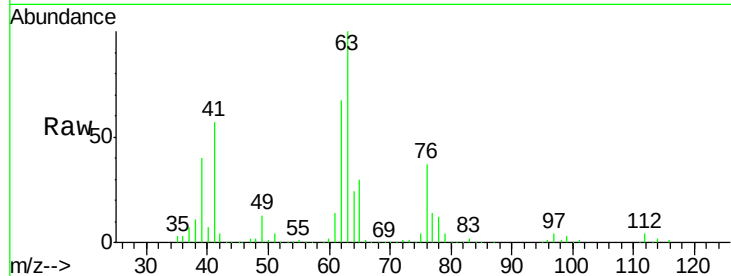
#45
 1,2-Dichloropropane
 Concen: 52.833 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion: 63 Resp: 97417
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

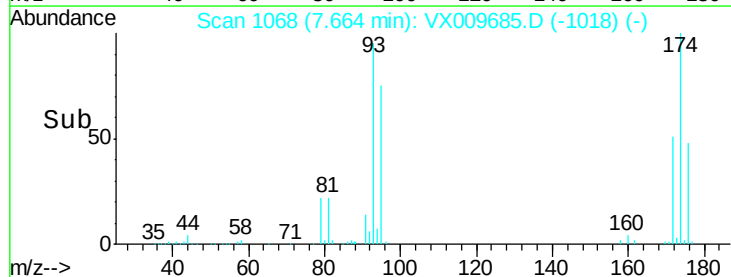
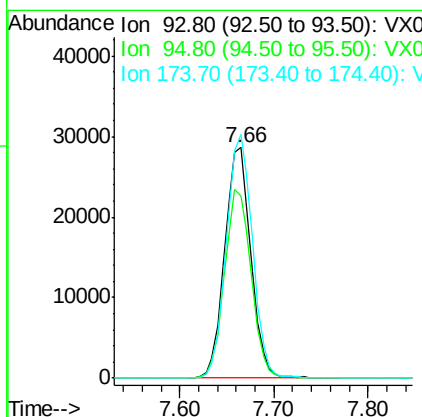
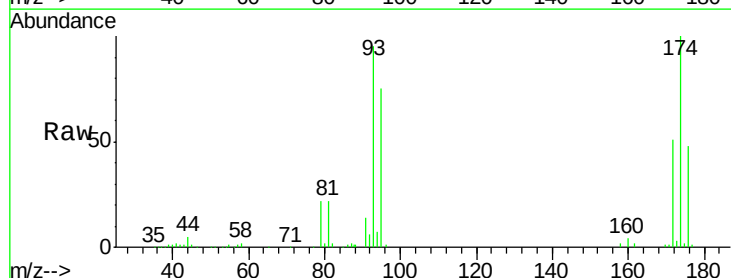
Manual Integrations
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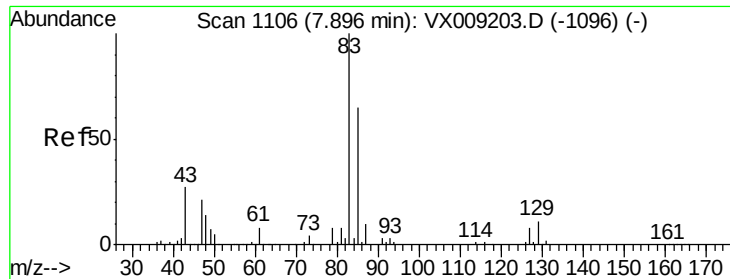
MMDadoda
 5/20/2019 11:11:22 AM



#46
 Dibromomethane
 Concen: 51.486 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion: 93 Resp: 55128
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 105.6 82.1 123.1





#47

Bromodichloromethane

Concen: 52.380 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

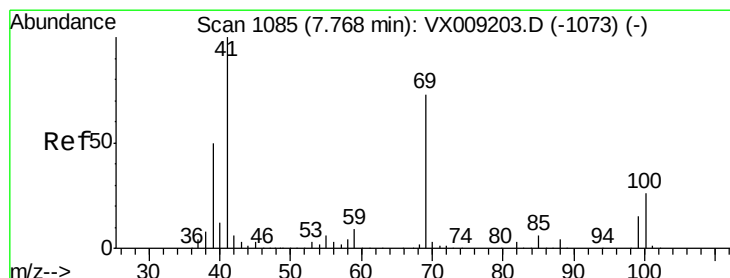
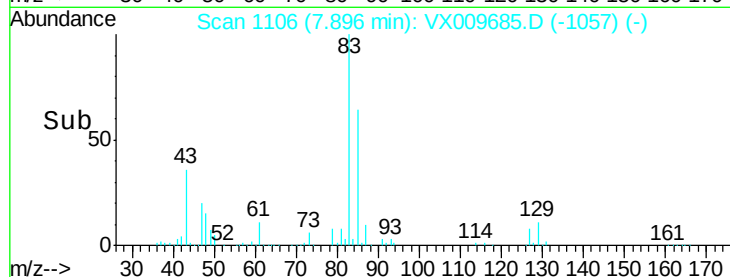
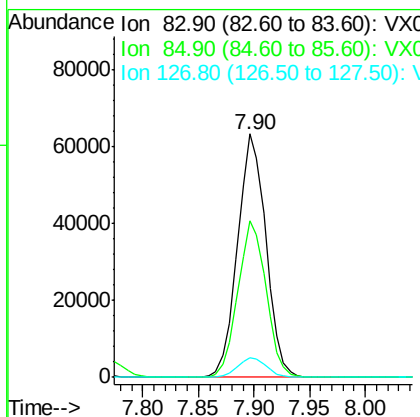
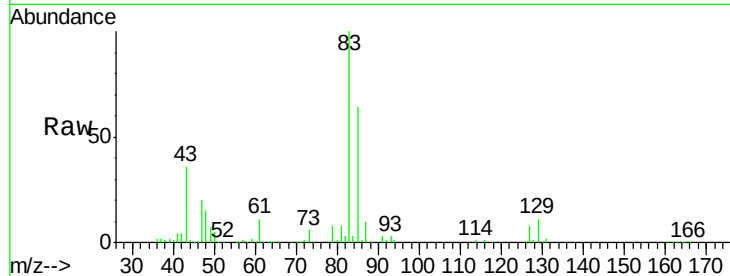
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	83	Resp:	111875
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6
127	8.1	6.6	10.0

Manual Integrations
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MMDadoda
5/20/2019 11:11:22 AM



#48

Methyl methacrylate

Concen: 57.708 ug/l

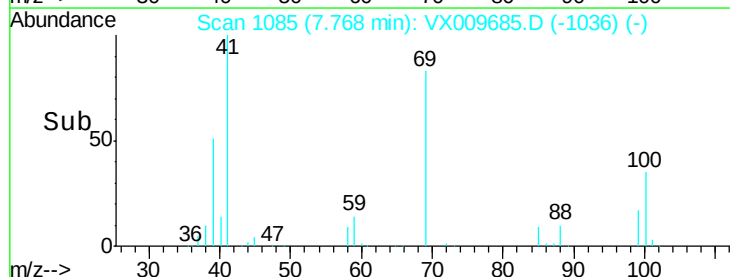
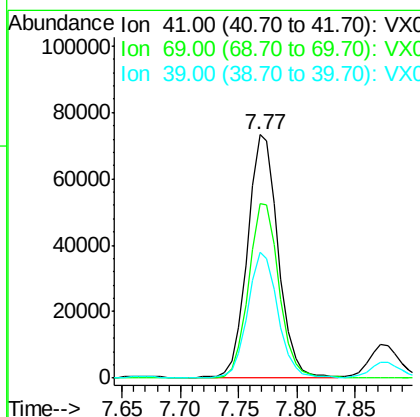
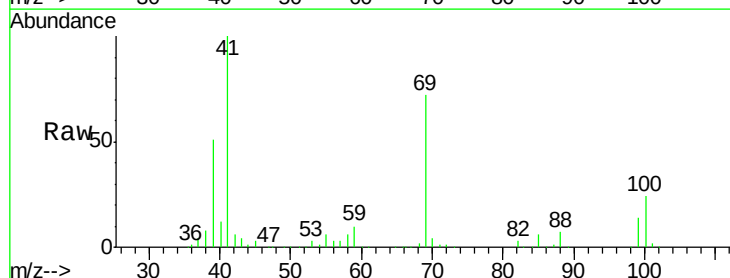
RT: 7.77 min Scan# 1085

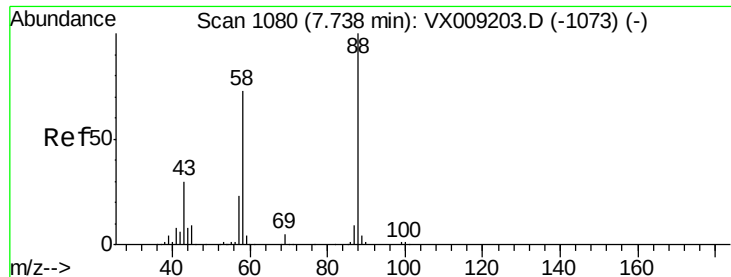
Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	41	Resp:	134255
Ion	Ratio	Lower	Upper
41	100		
69	72.1	59.1	88.7
39	50.6	40.4	60.6





#49

1,4-Dioxane

Concen: 1186.267 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

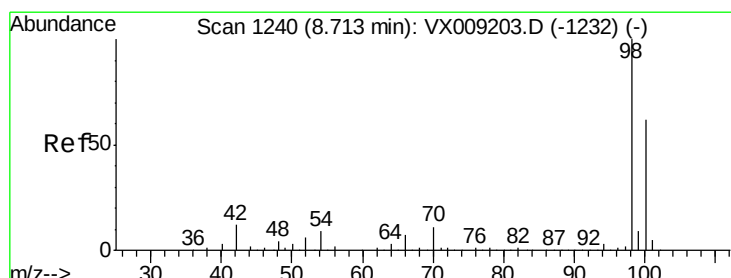
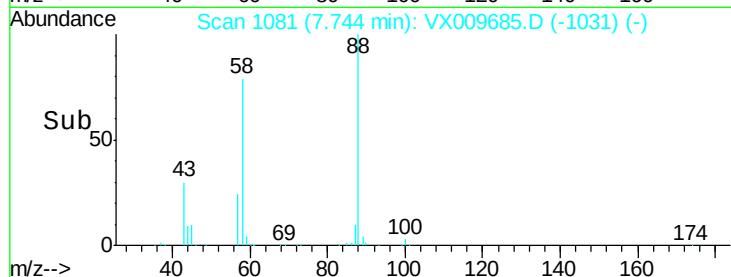
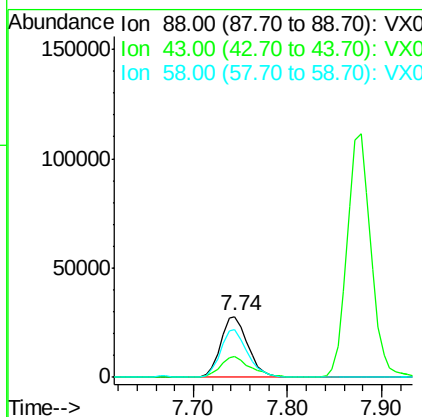
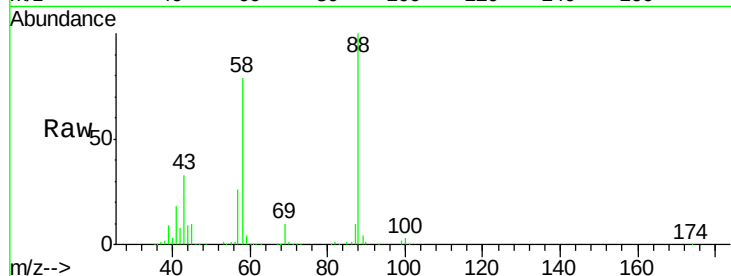
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	88	Resp:	55968
Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.6	42.8
58	79.0	61.7	92.5

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#50

Toluene-d8

Concen: 48.266 ug/l

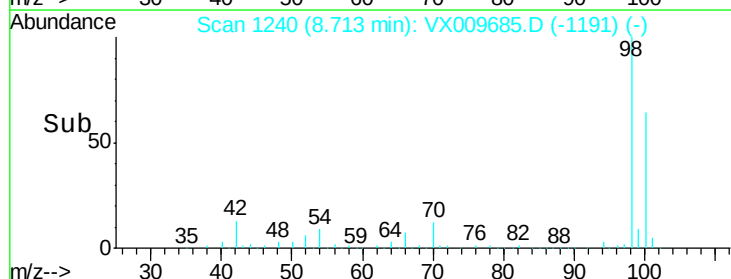
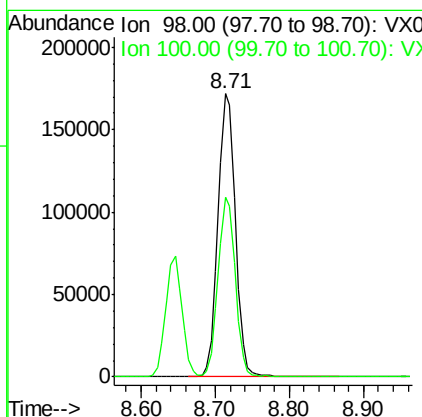
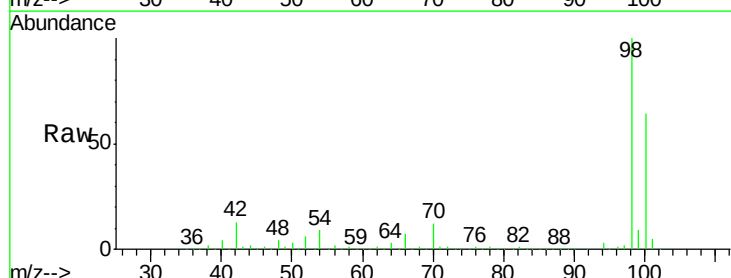
RT: 8.71 min Scan# 1240

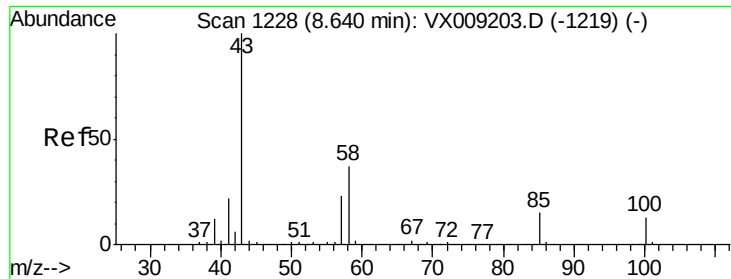
Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	98	Resp:	277349
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 309.354 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion: 43 Resp: 948165

Ion Ratio Lower Upper

43 100

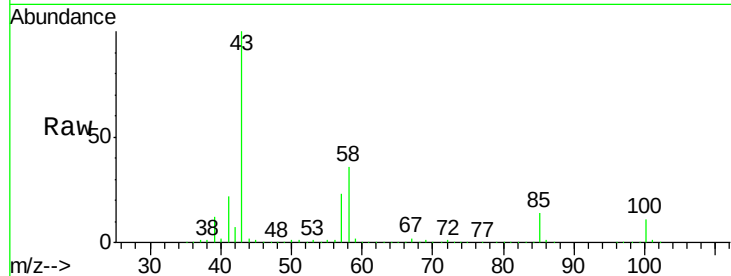
58 36.2 29.5 44.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

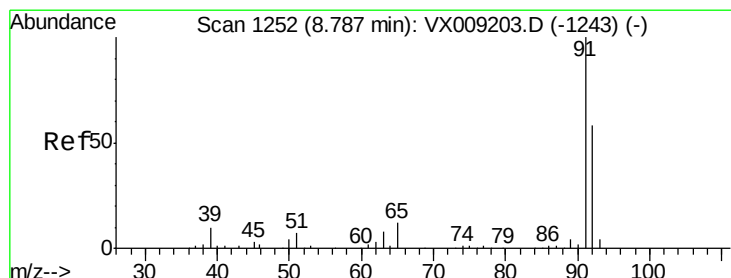
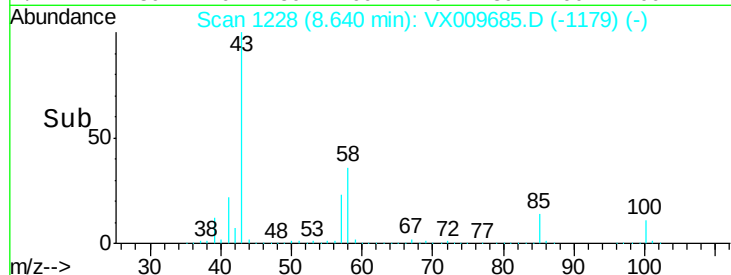
600000

400000

200000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 53.263 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009685.D

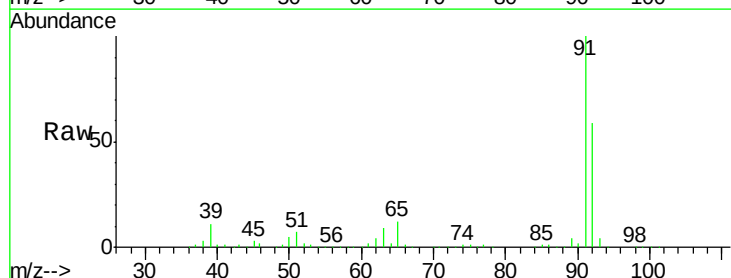
Acq: 18 May 2019 00:24

Tgt Ion: 92 Resp: 210830

Ion Ratio Lower Upper

92 100

91 173.7 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

250000

200000

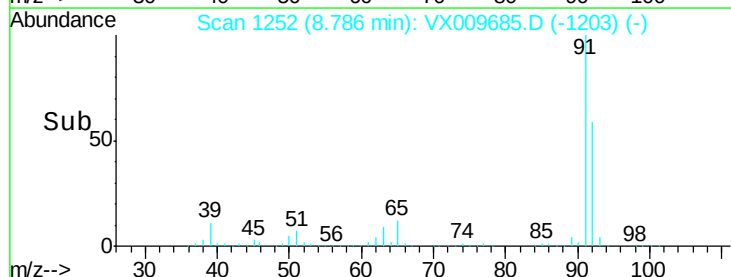
150000

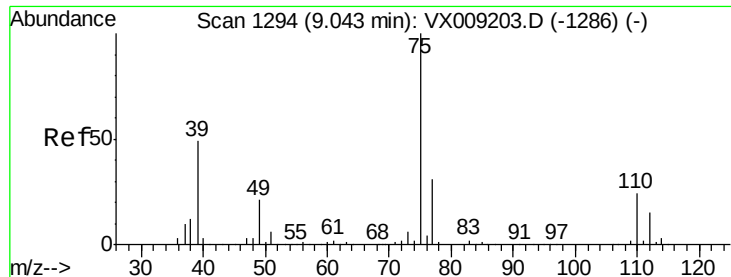
100000

50000

0

Time--> 8.70 8.80 8.90 9.00





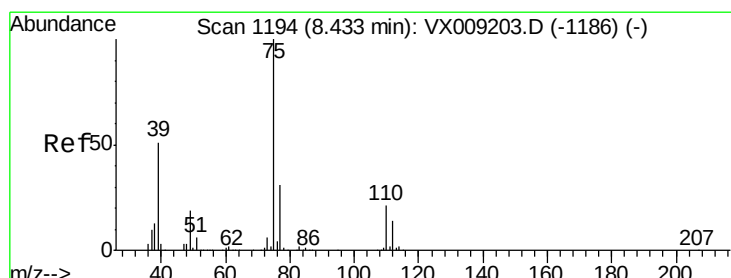
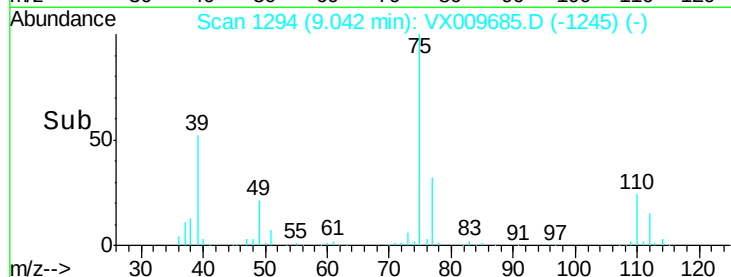
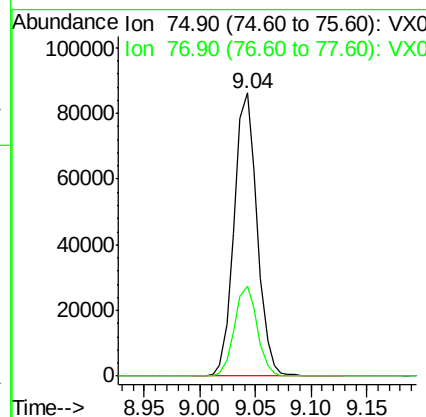
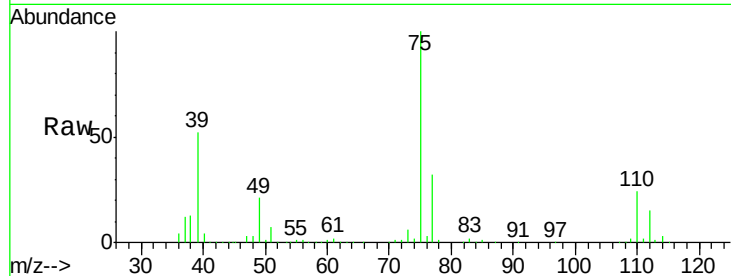
#53
t-1,3-Dichloropropene
Concen: 51.215 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6

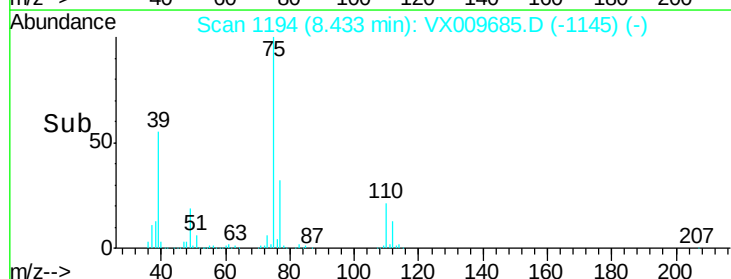
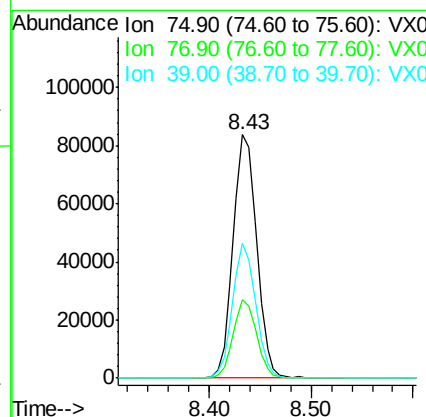
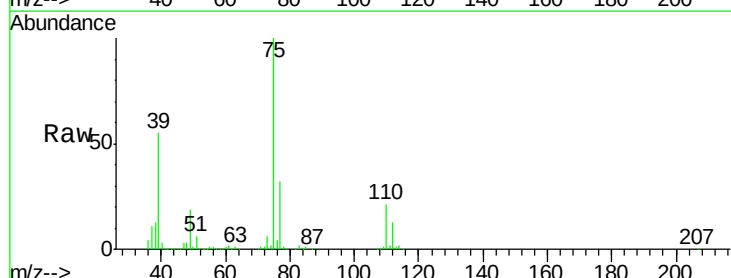
Manual Integrations
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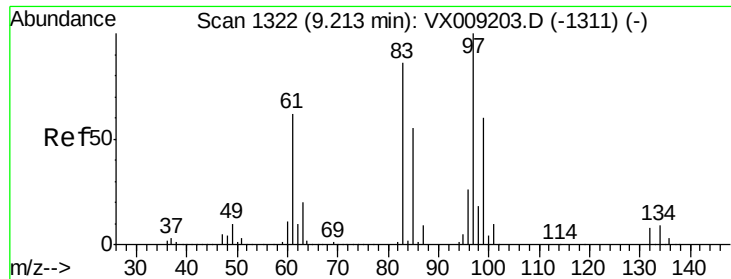
MMDadoda
5/20/2019 11:11:22 AM



#54
cis-1,3-Dichloropropene
Concen: 50.269 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	36.8
39	55.1	40.6	60.8





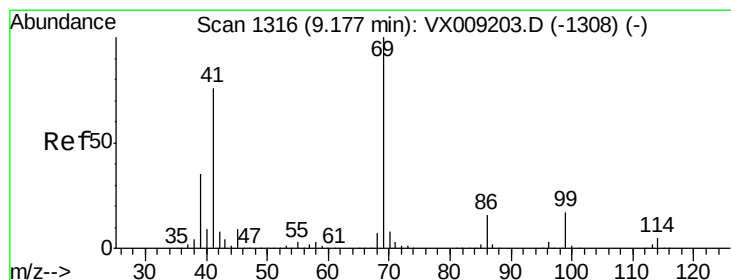
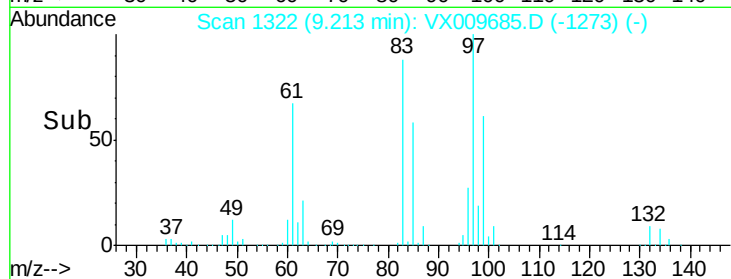
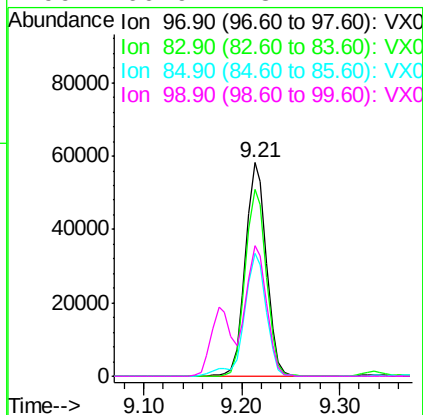
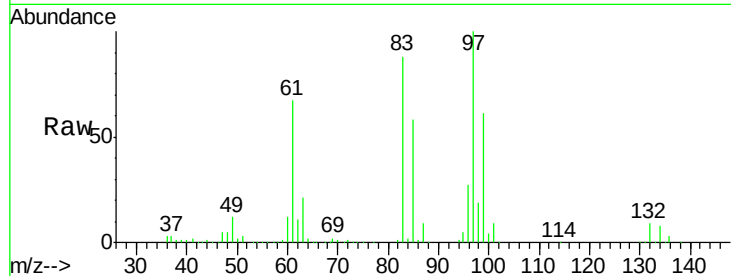
#55
 1,1,2-Trichloroethane
 Concen: 53.845 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion:	97	Resp:	86953
Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.9	103.3
85	57.5	43.8	65.6
99	60.9	48.2	72.2

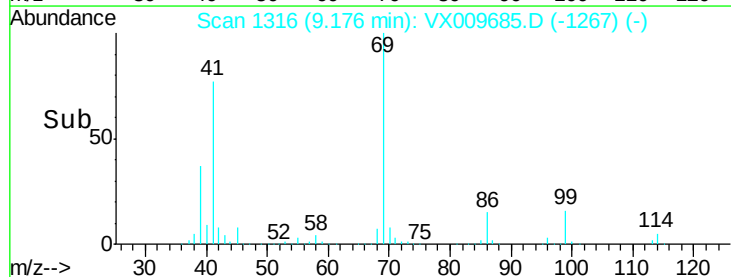
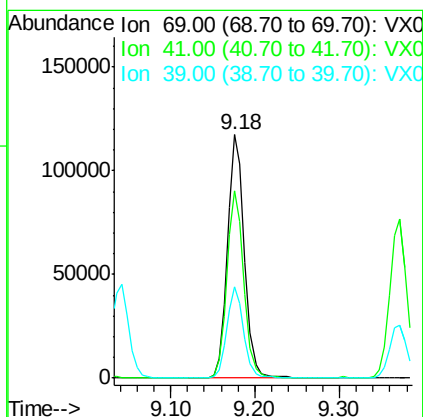
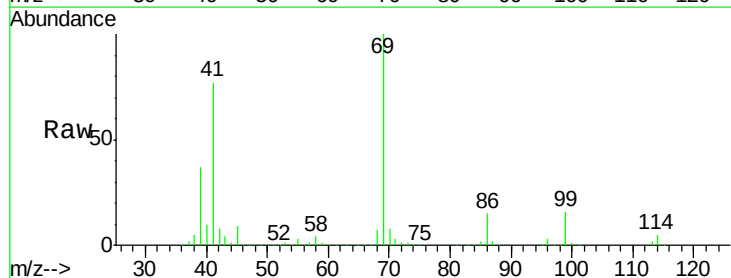
Manual Integrations
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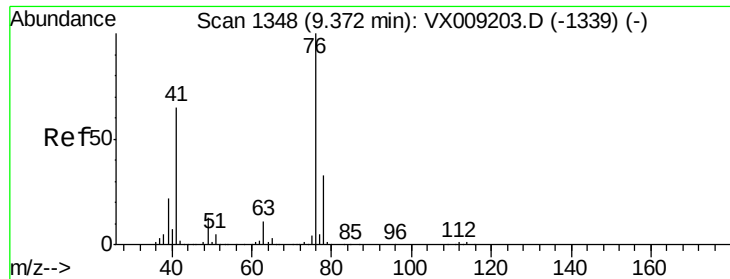
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 56.060 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion:	69	Resp:	161600
Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.6	90.8
39	37.0	28.2	42.4





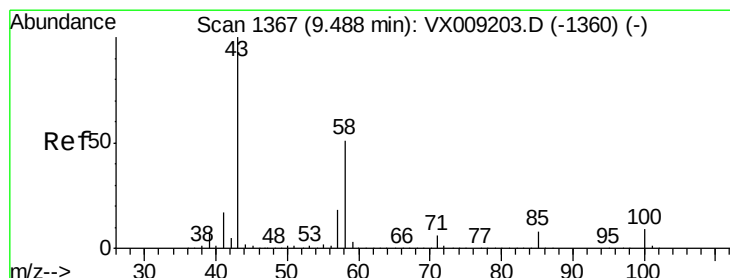
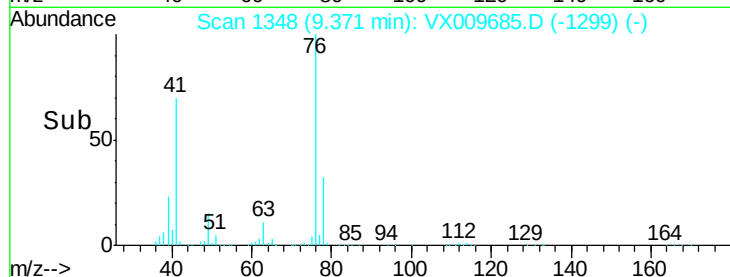
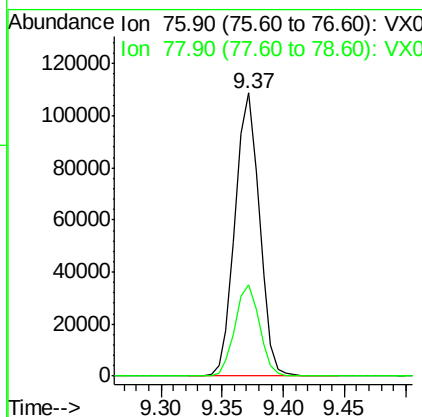
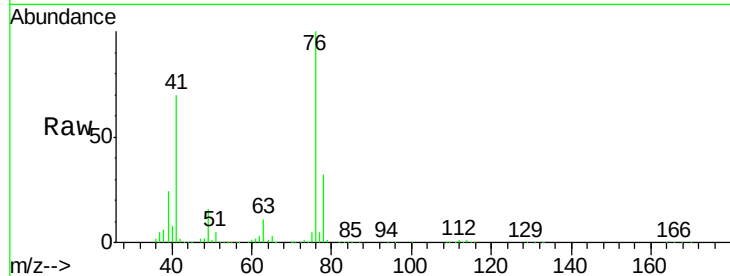
#57
 1,3-Dichloropropane
 Concen: 52.773 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

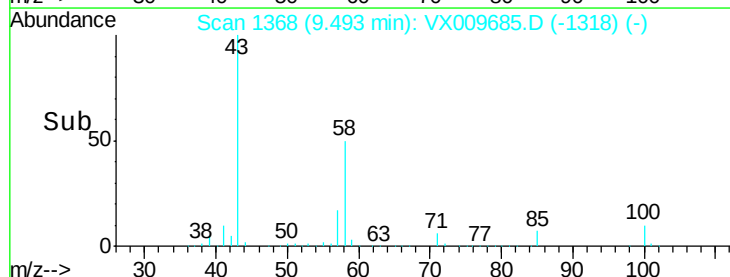
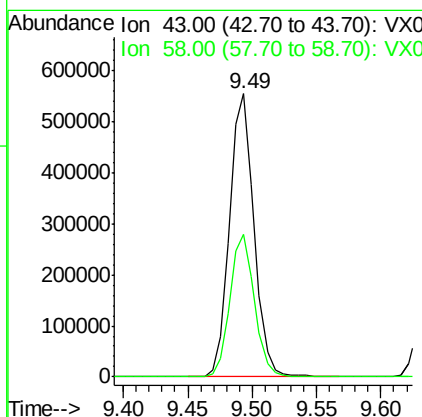
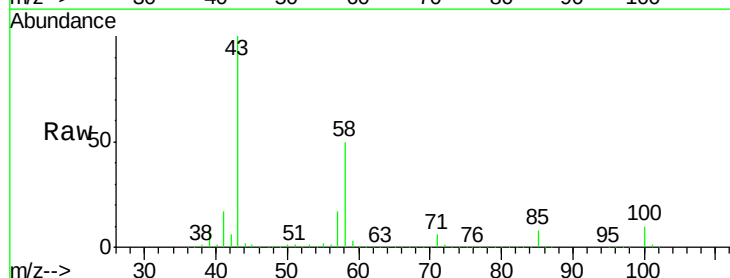
Manual Integrations
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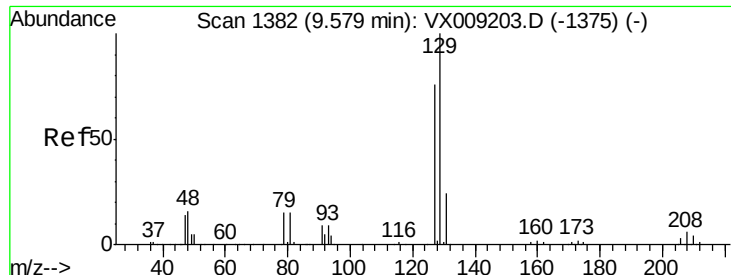
MMDadoda
 5/20/2019 11:11:22 AM



#59
 2-Hexanone
 Concen: 307.984 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.5	25.9	77.7





#60

Dibromochloromethane

Concen: 54.591 ug/l

RT: 9.58 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:129 Resp: 86102

Ion Ratio Lower Upper

129 100

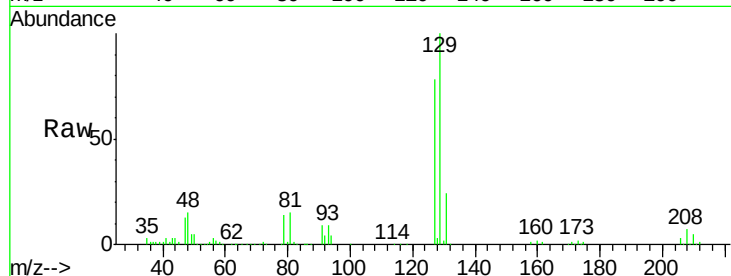
127 78.4 38.4 115.1

Manual Integrations

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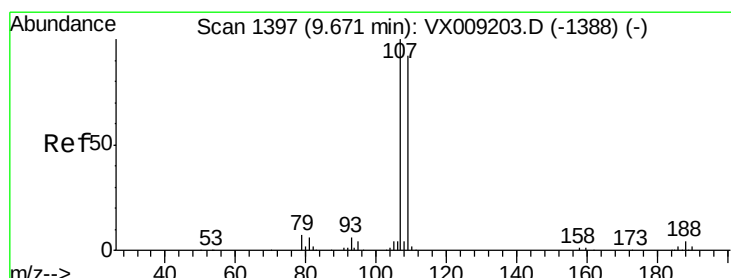
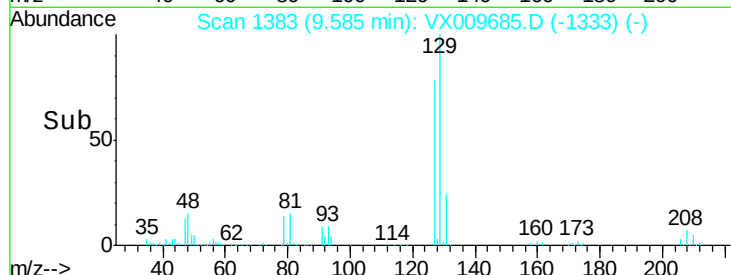
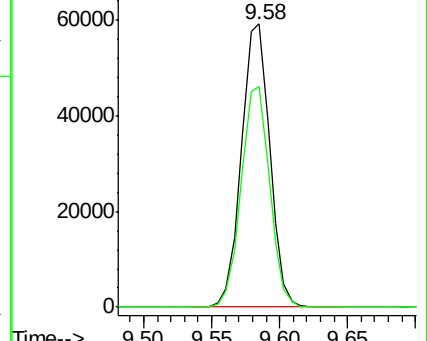
MMDadoda

5/20/2019 11:11:22 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.816 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009685.D

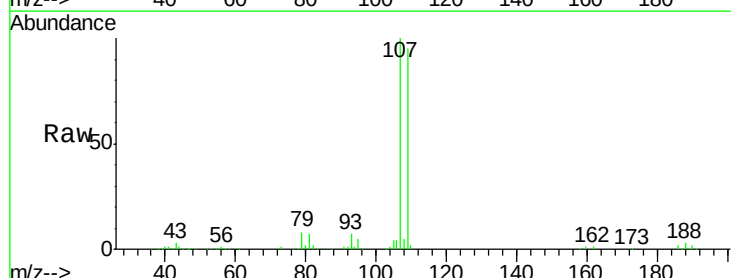
Acq: 18 May 2019 00:24

Tgt Ion:107 Resp: 86096

Ion Ratio Lower Upper

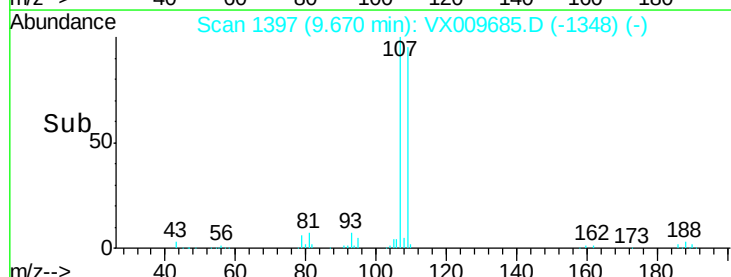
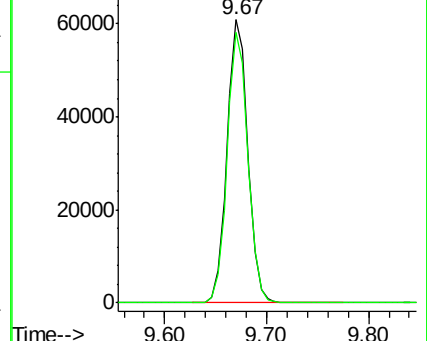
107 100

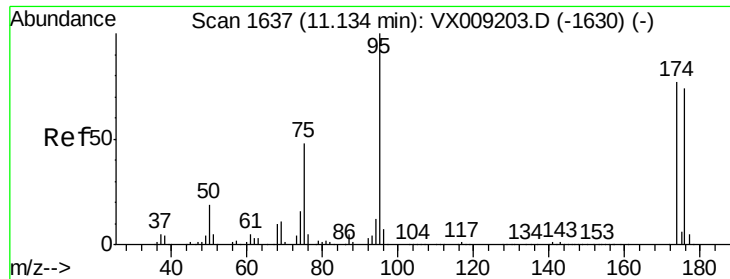
109 95.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 50.636 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

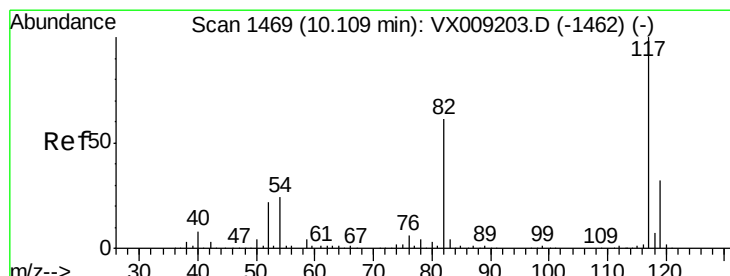
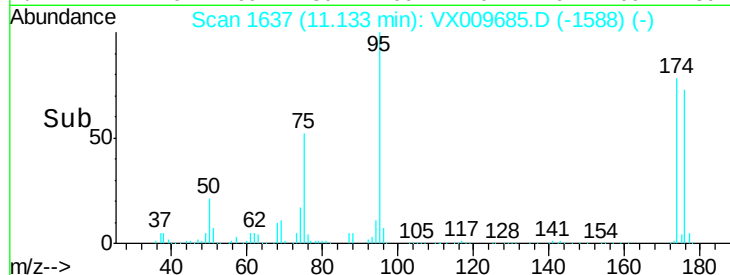
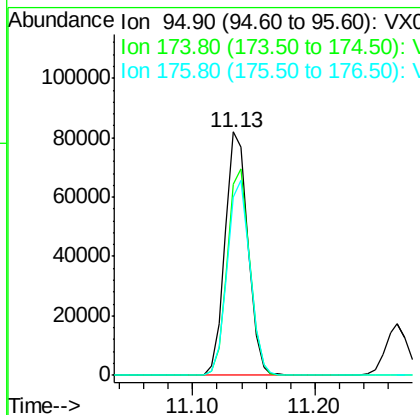
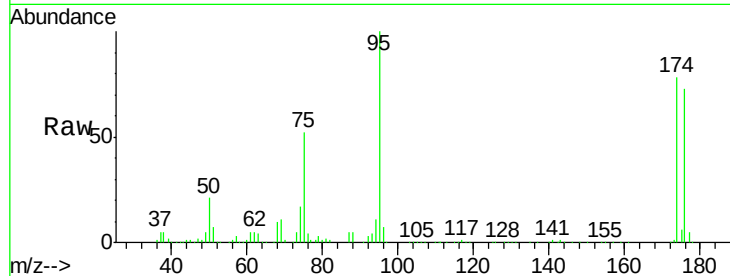
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	95	Resp:	105726
Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	161.6
176	79.9	0.0	159.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

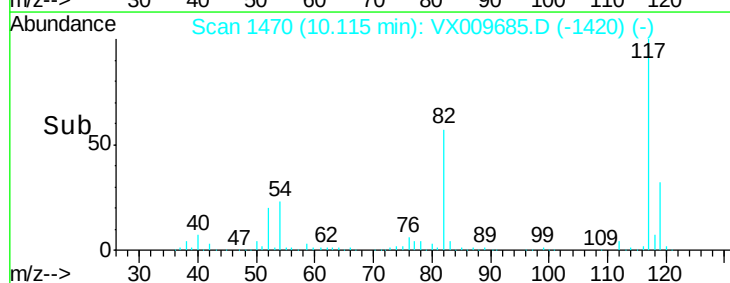
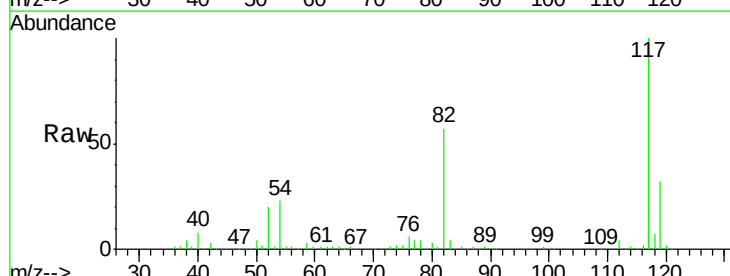
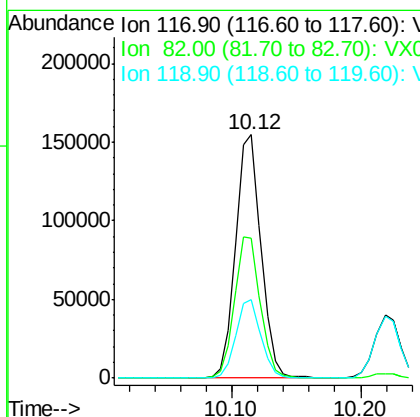
RT: 10.12 min Scan# 1470

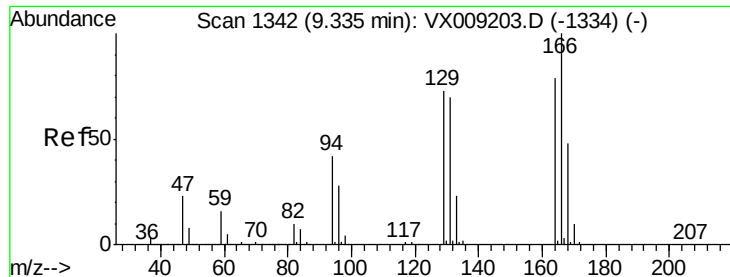
Delta R.T. 0.01 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	117	Resp:	212629
Ion	Ratio	Lower	Upper
117	100		
82	57.4	48.8	73.2
119	32.0	25.8	38.6





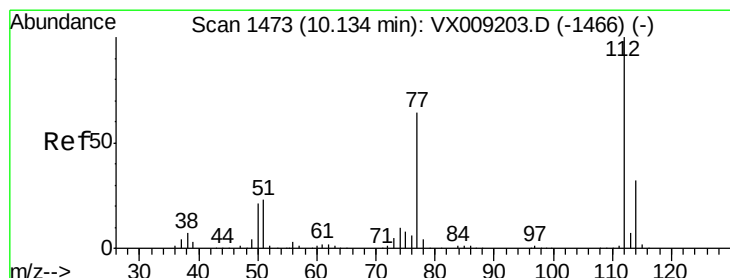
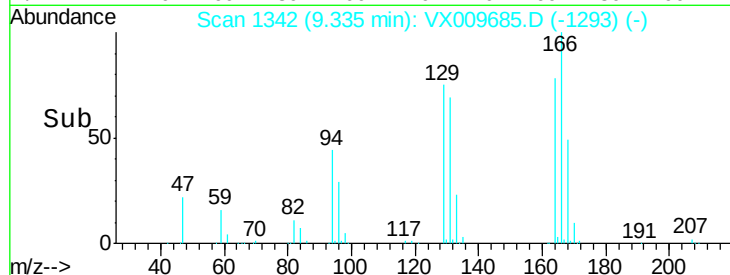
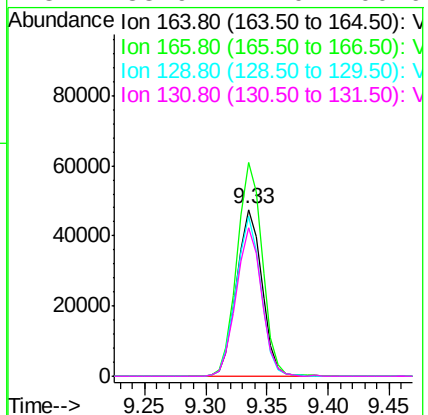
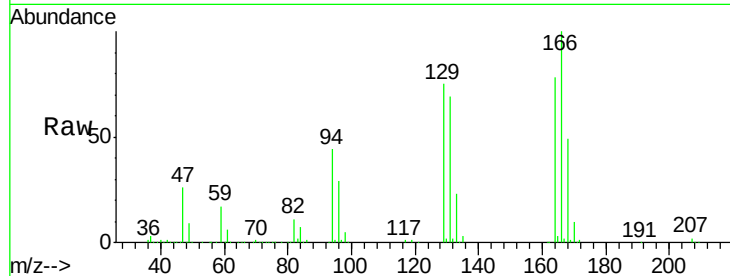
#64
Tetrachloroethene
Concen: 46.681 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.2	151.8
129	96.4	74.3	111.5
131	88.9	71.0	106.6

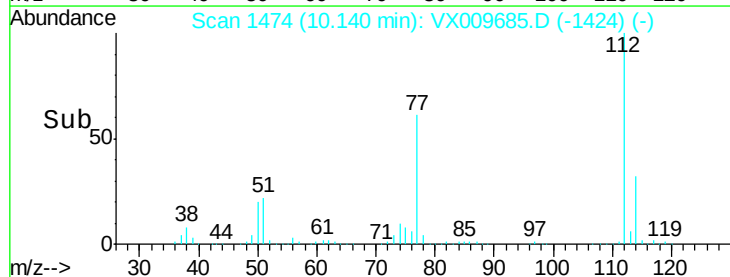
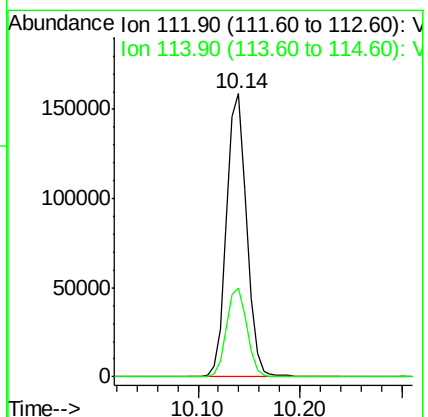
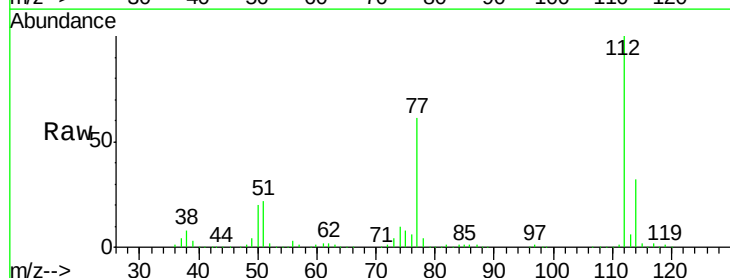
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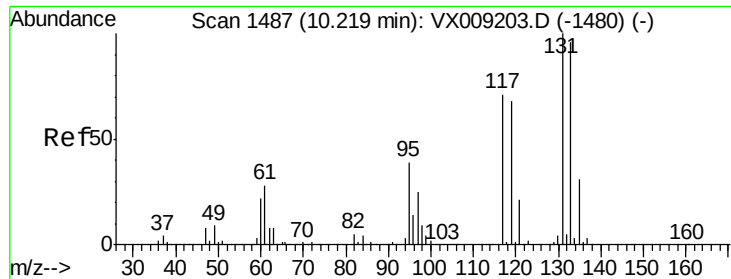
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#65
Chlorobenzene
Concen: 50.858 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.5	38.3





#66

1,1,1,2-Tetrachloroethane

Concen: 51.443 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

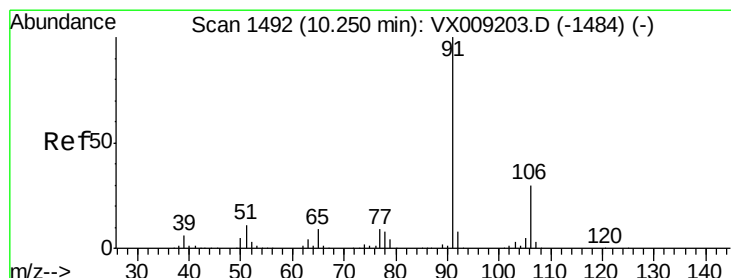
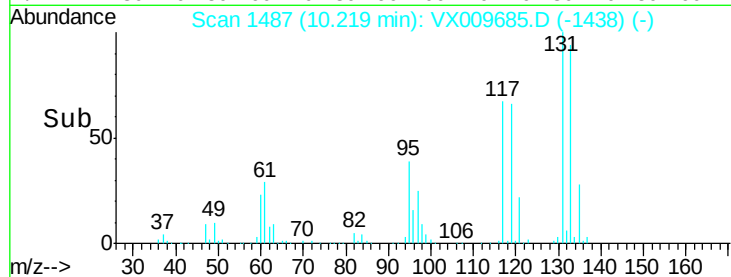
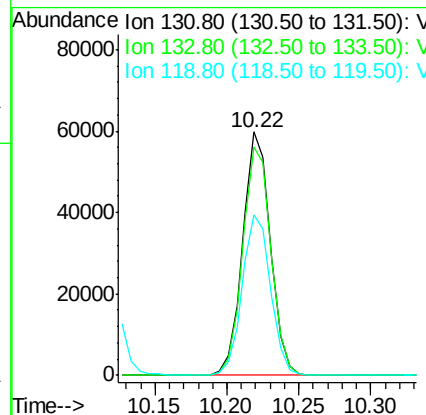
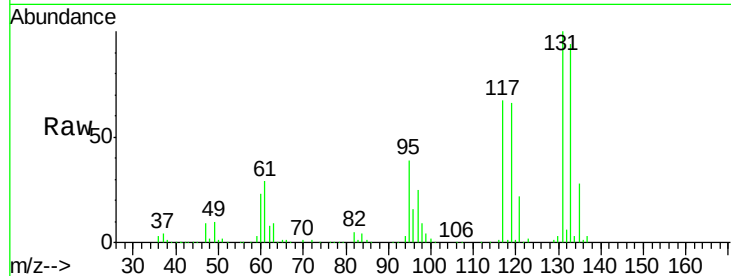
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.7	143.1
119	67.8	33.5	100.4

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#67

Ethyl Benzene

Concen: 50.587 ug/l

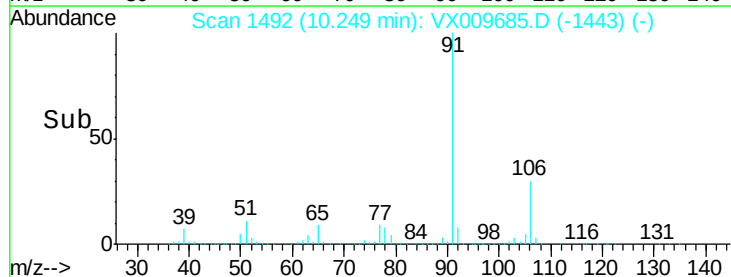
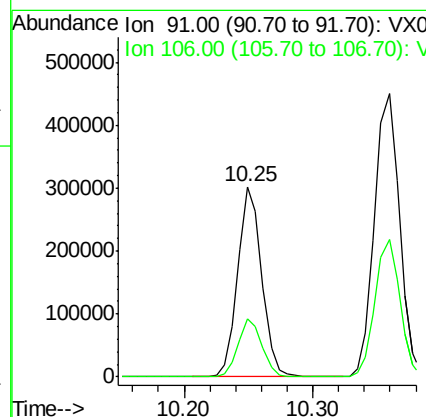
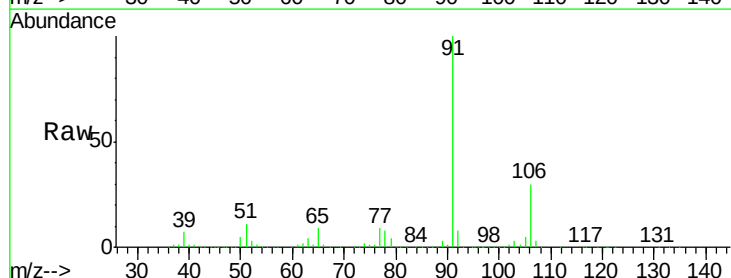
RT: 10.25 min Scan# 1492

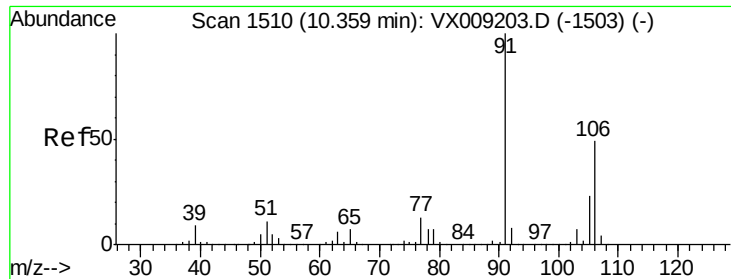
Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.0	36.0





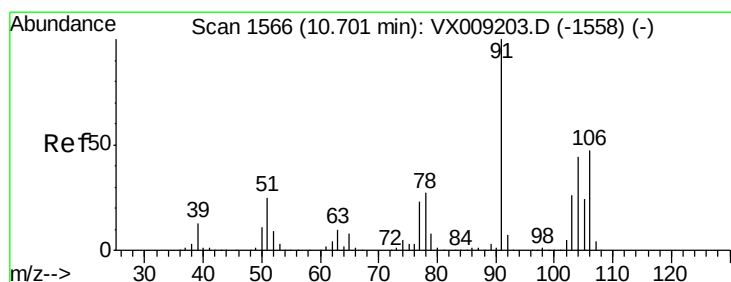
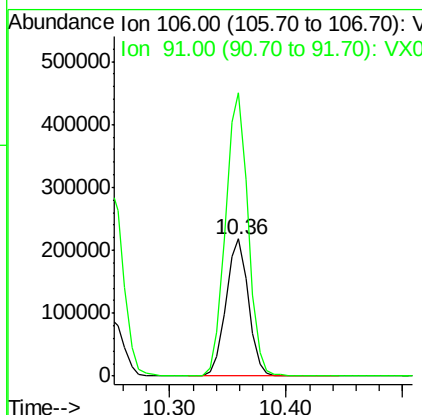
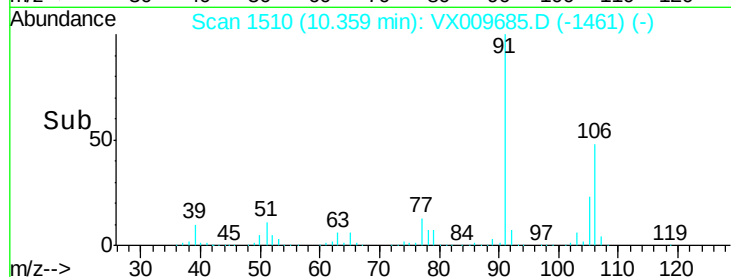
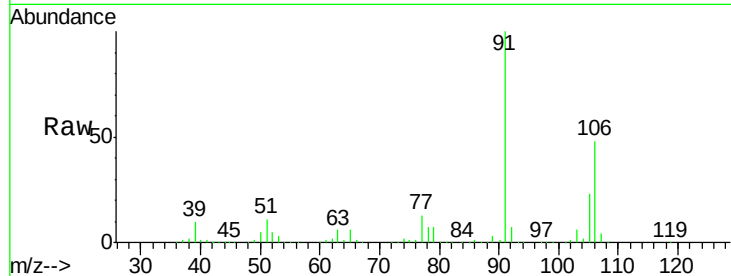
#68
m/p-Xylenes
Concen: 101.611 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion:106 Resp: 290674
Ion Ratio Lower Upper
106 100
91 208.0 164.0 246.0

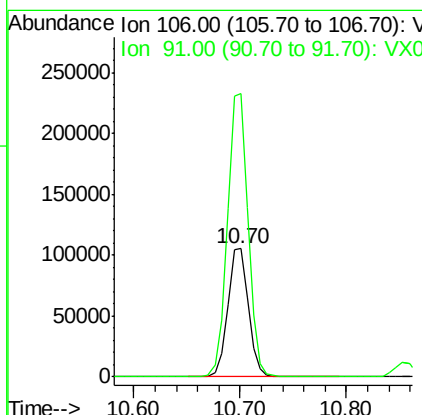
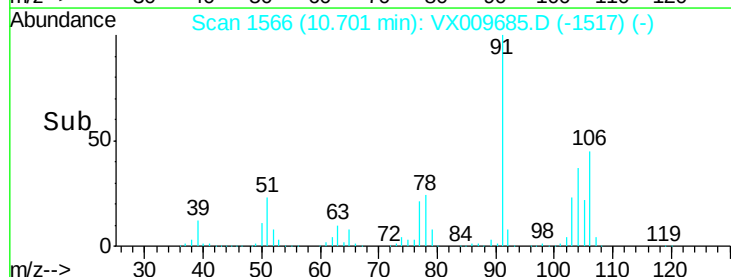
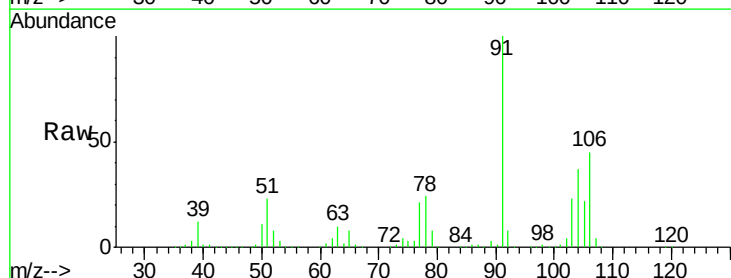
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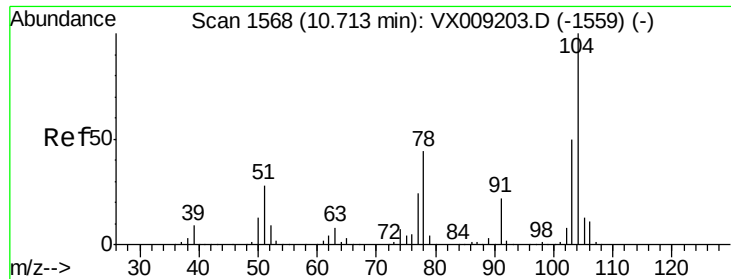
MMDadoda
5/20/2019 11:11:22 AM



#69
o-Xylene
Concen: 50.983 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion:106 Resp: 143896
Ion Ratio Lower Upper
106 100
91 220.7 109.5 328.4





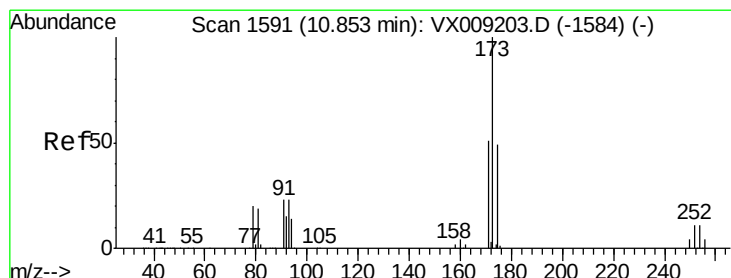
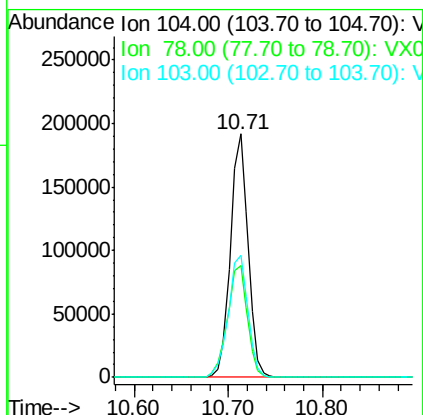
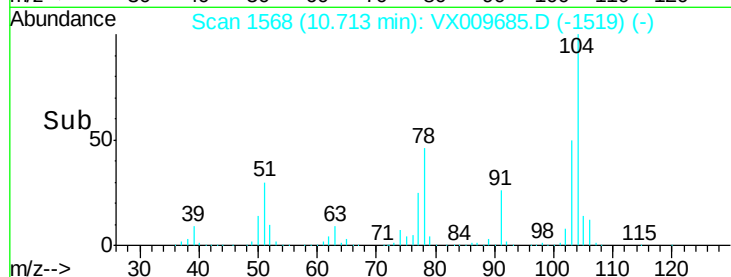
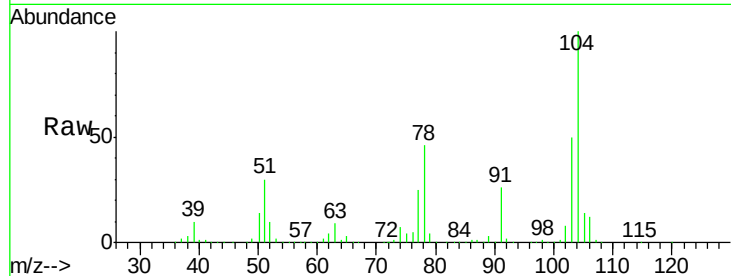
#70
Stvrene
Concen: 50.828 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.0	61.4
103	55.6	43.8	65.6

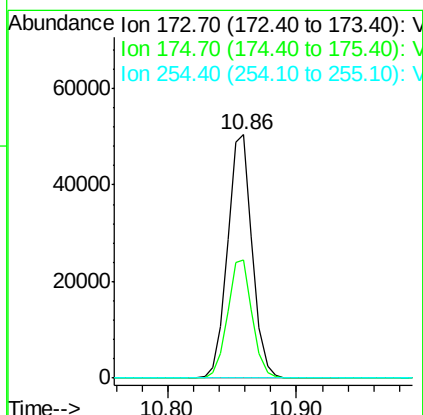
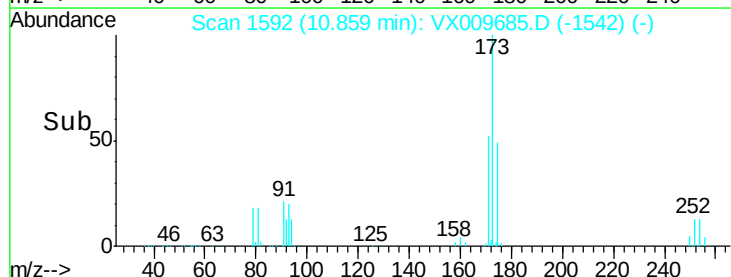
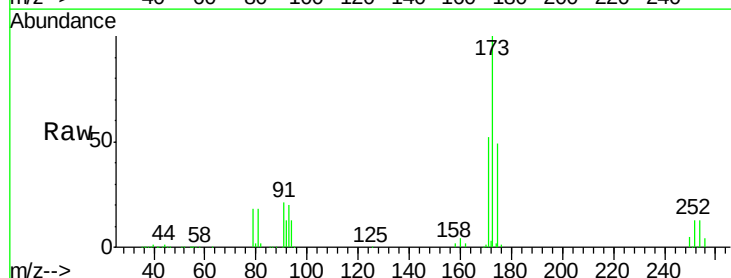
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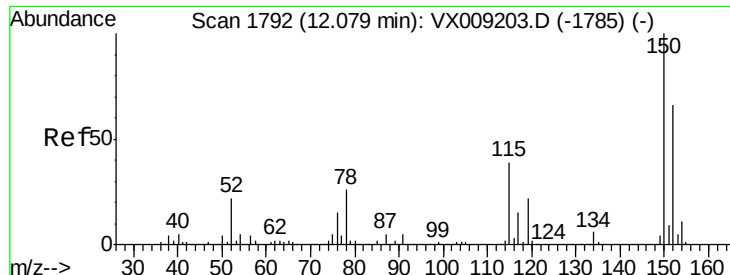
MMDadoda
5/20/2019 11:11:22 AM



#71
Bromoform
Concen: 53.930 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:152 Resp: 107130

Ion Ratio Lower Upper

152 100

115 81.2 41.2 123.6

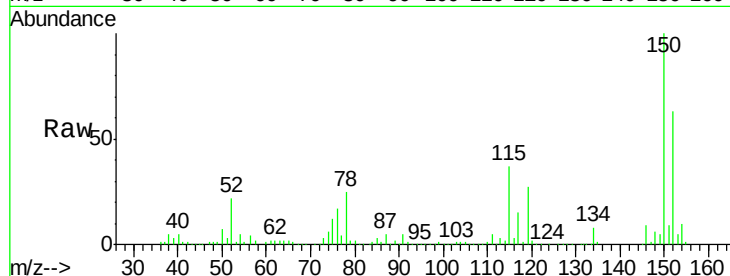
150 172.5 0.0 346.4

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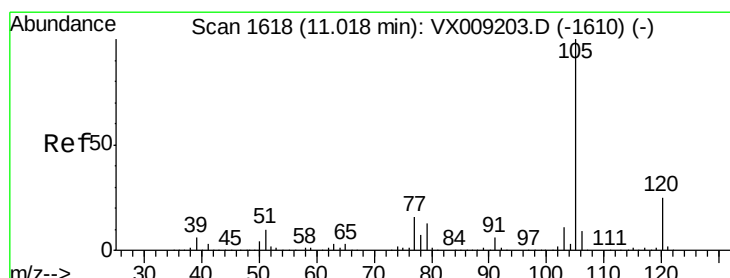
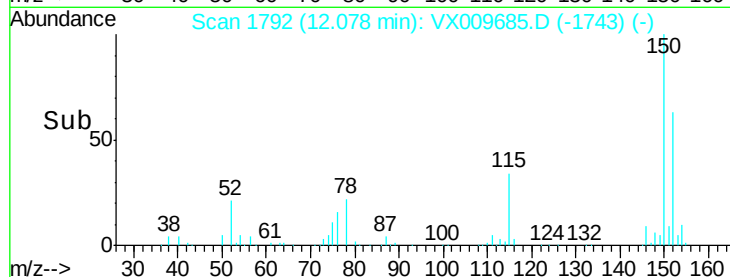
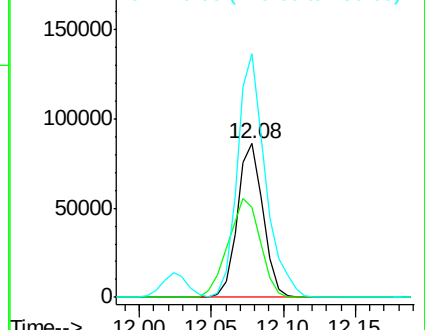
5/20/2019 11:11:22 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.054 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009685.D

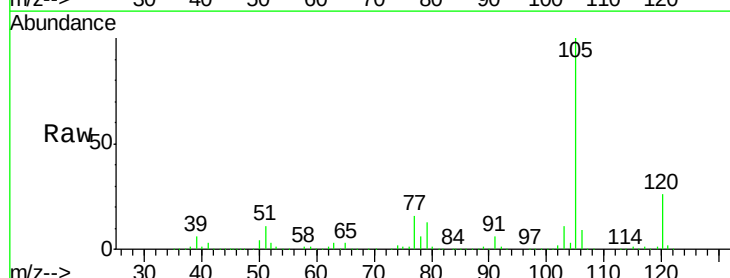
Acq: 18 May 2019 00:24

Tgt Ion:105 Resp: 382151

Ion Ratio Lower Upper

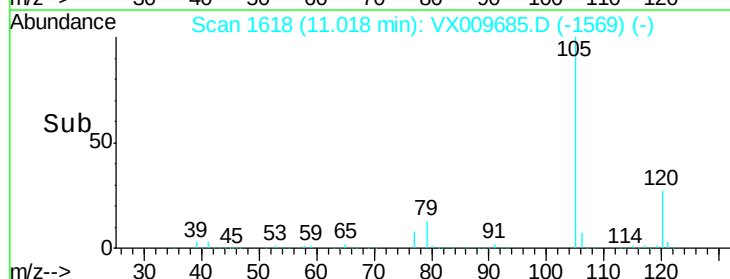
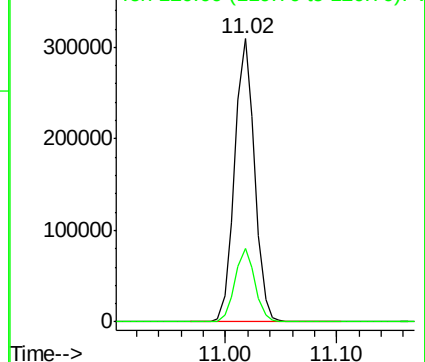
105 100

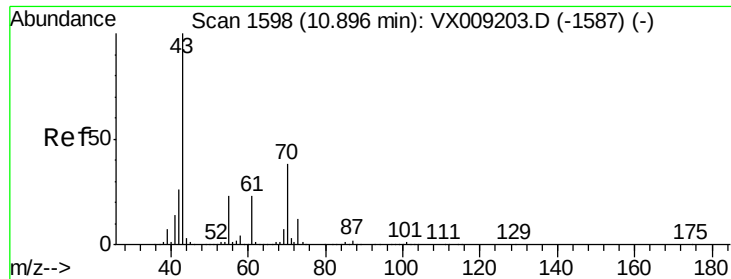
120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 44.683 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

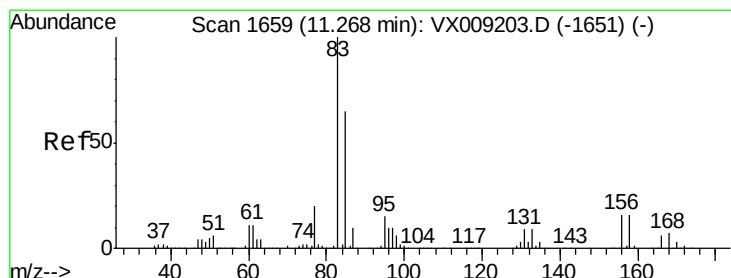
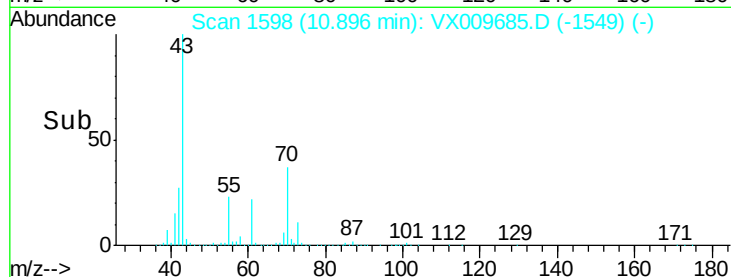
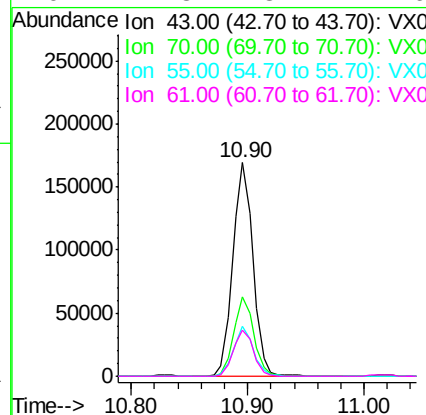
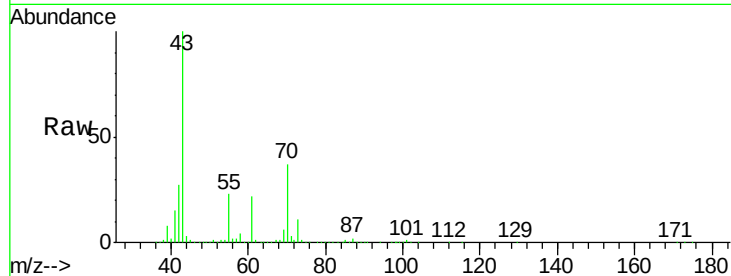
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		202943		
70	37.3	30.0	45.0		
55	23.2	17.9	26.9		
61	21.8	18.4	27.6		

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.127 ug/l

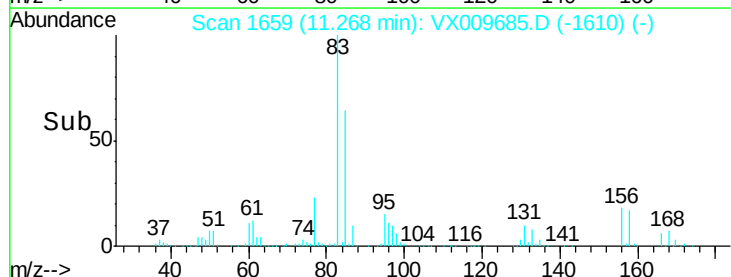
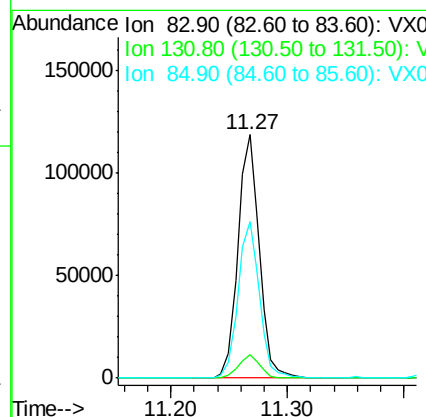
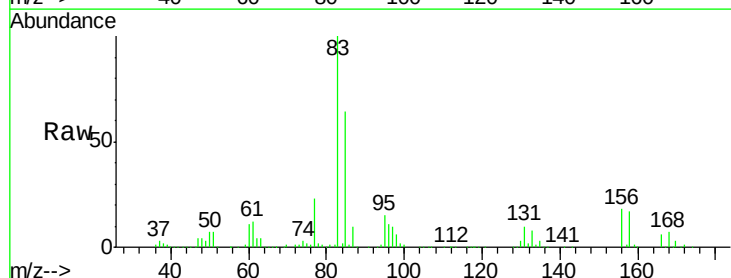
RT: 11.27 min Scan# 1659

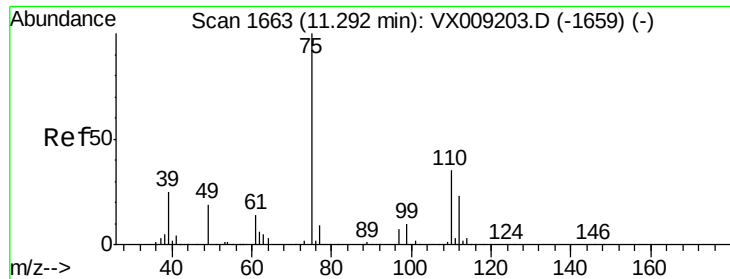
Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		151385		
131	9.4	4.6	13.8		
85	64.5	32.0	96.2		





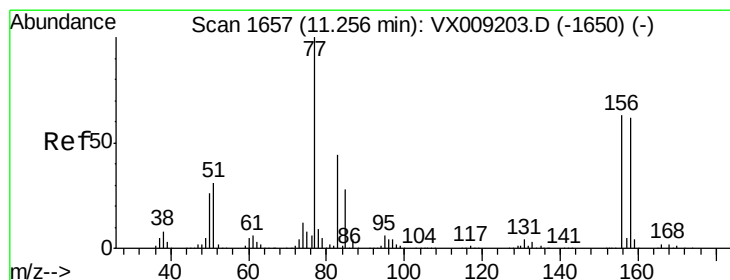
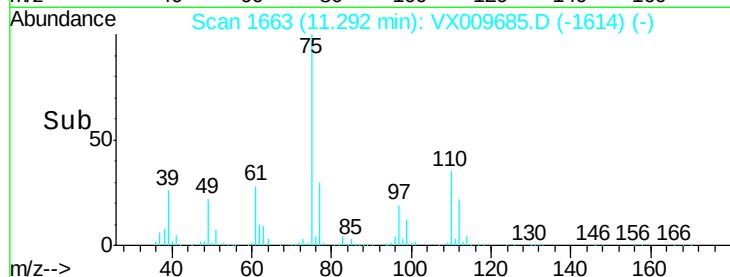
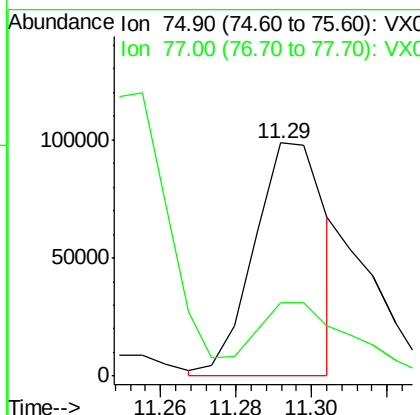
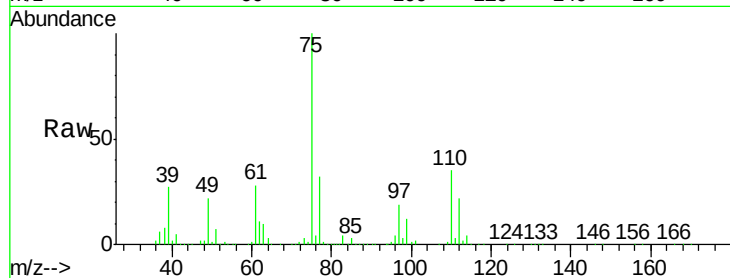
#76
 1,2,3-Trichloropropane
 Concen: 51.623 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion: 75 Resp: 128285
 Ion Ratio Lower Upper
 75 100
 77 43.3 22.1 66.1

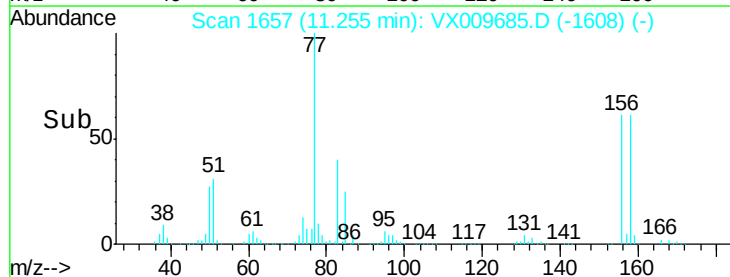
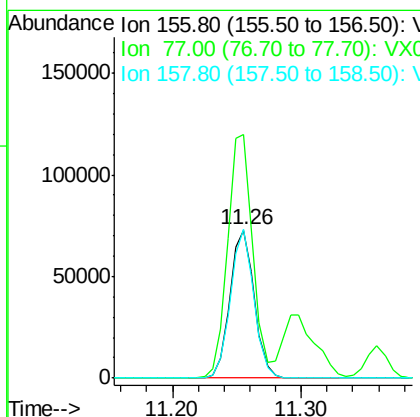
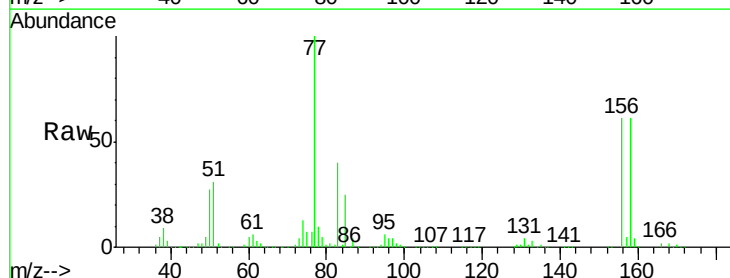
Manual Integrations
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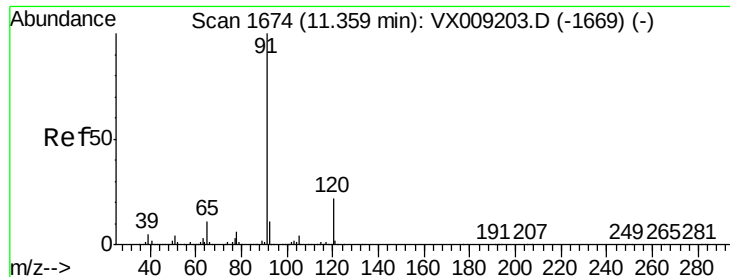
MMDadoda
 5/20/2019 11:11:22 AM



#77
 Bromobenzene
 Concen: 49.596 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion: 156 Resp: 95899
 Ion Ratio Lower Upper
 156 100
 77 169.6 84.8 254.3
 158 97.1 49.1 147.3





#78

n-propylbenzene

Concen: 50.099 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion: 91 Resp: 445732

Ion Ratio Lower Upper

91 100

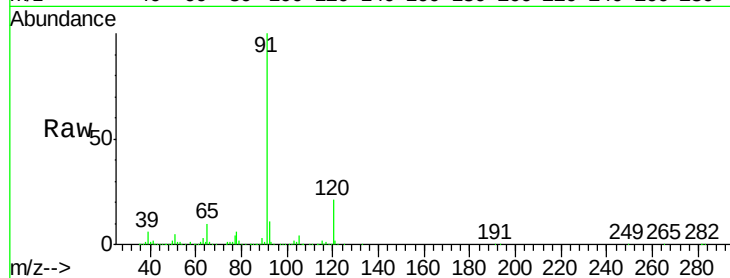
120 21.9 11.0 33.0

Manual Integrations

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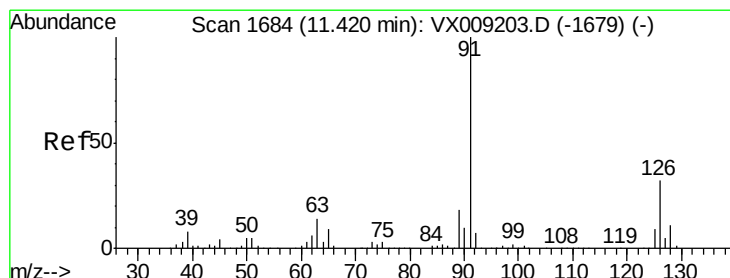
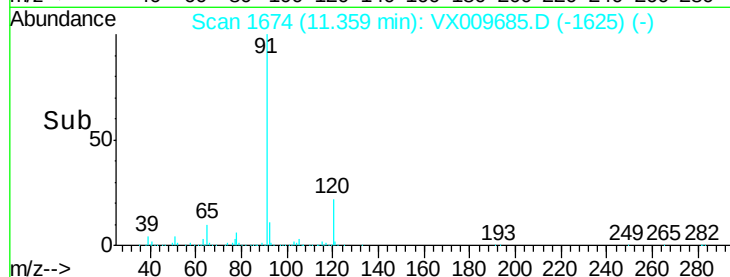
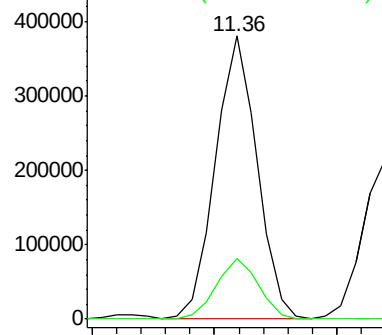
MMDadoda

5/20/2019 11:11:22 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 48.747 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009685.D

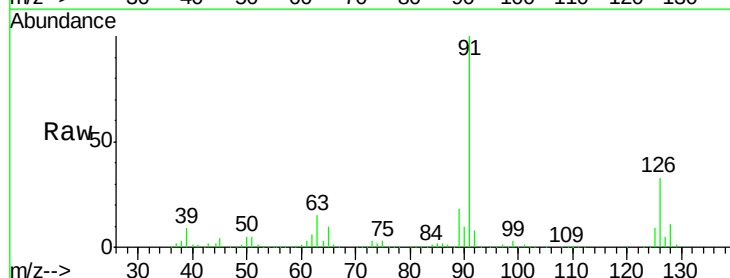
Acq: 18 May 2019 00:24

Tgt Ion: 91 Resp: 267571

Ion Ratio Lower Upper

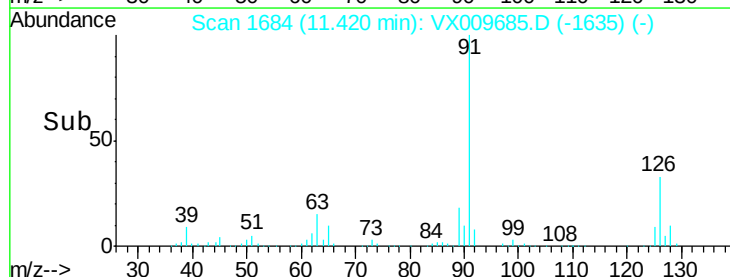
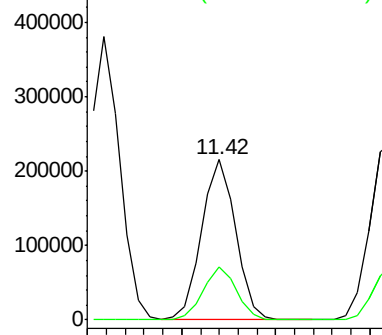
91 100

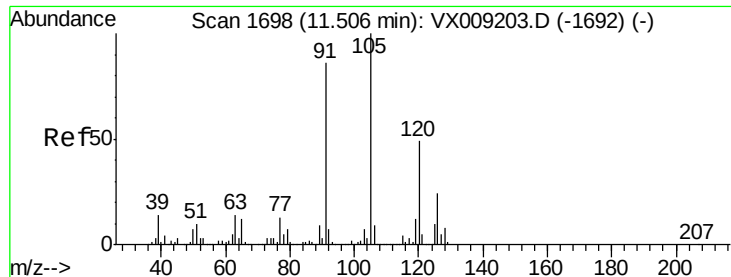
126 32.8 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





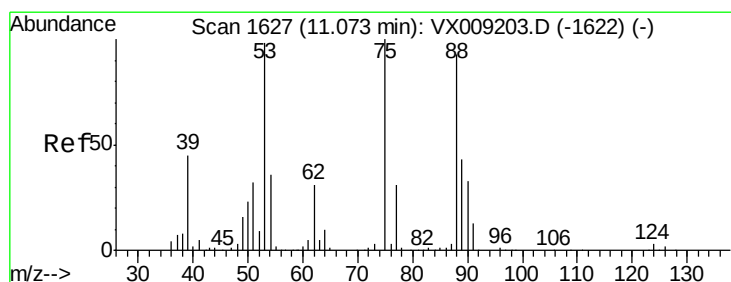
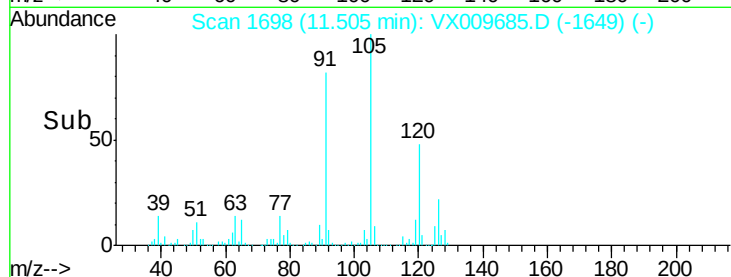
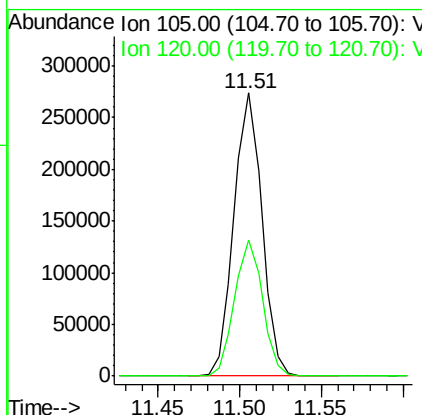
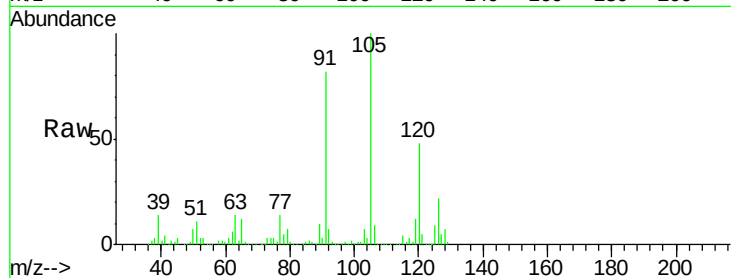
#80
 1,3,5-Trimethylbenzene
 Concen: 49.926 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion:105 Resp: 327490
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9

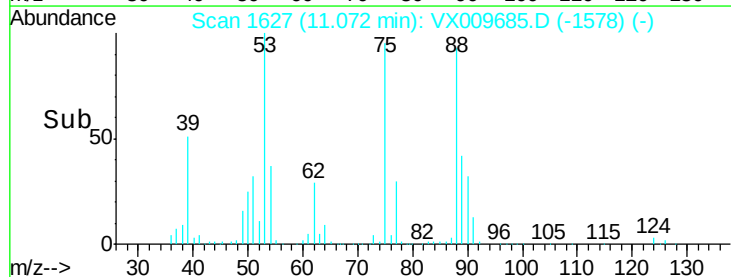
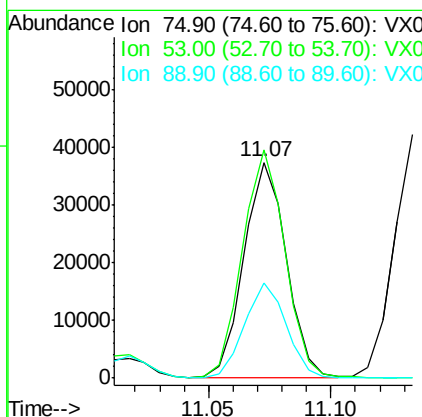
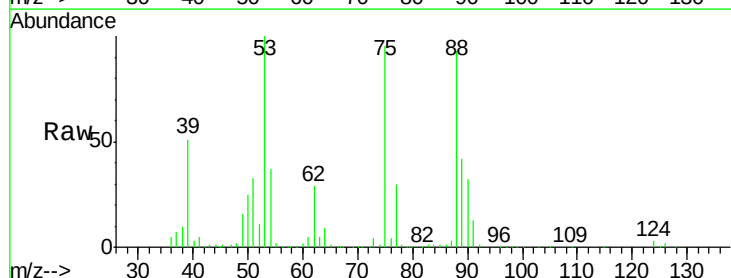
Manual Integrations
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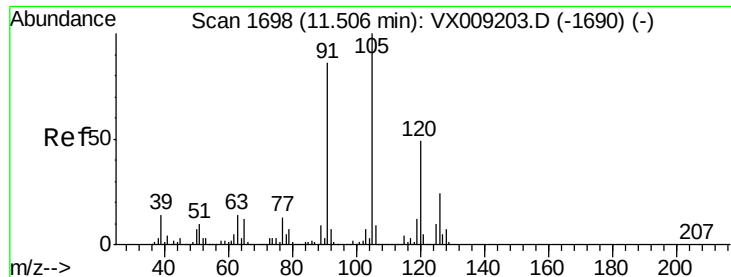
MMDadoda
 5/20/2019 11:11:22 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.379 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion: 75 Resp: 45045
 Ion Ratio Lower Upper
 75 100
 53 105.5 79.0 118.6
 89 43.9 34.7 52.1





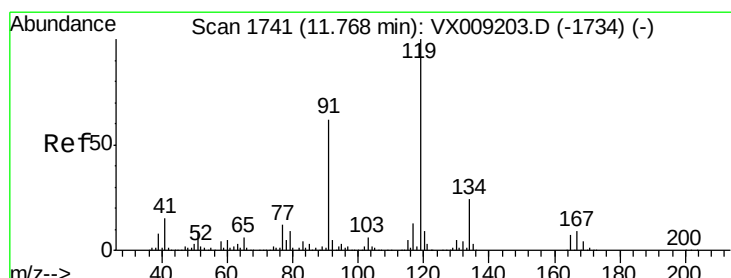
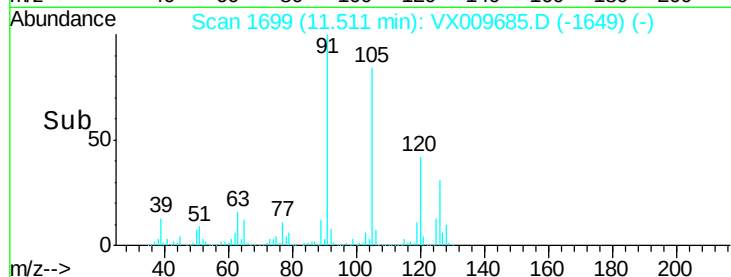
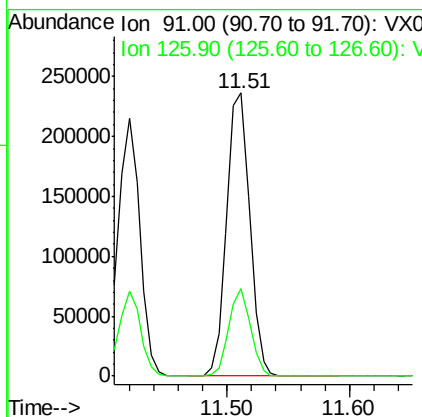
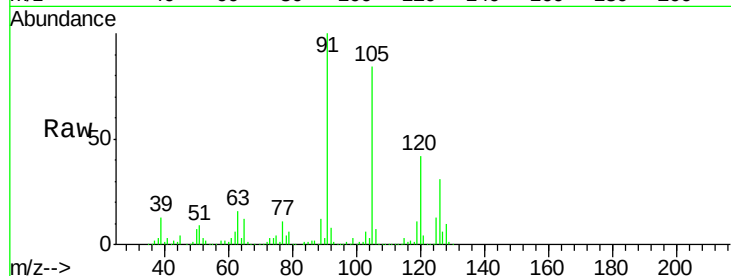
#82
4-Chlorotoluene
Concen: 49.669 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion: 91 Resp: 307998
Ion Ratio Lower Upper
91 100
126 28.9 14.5 43.6

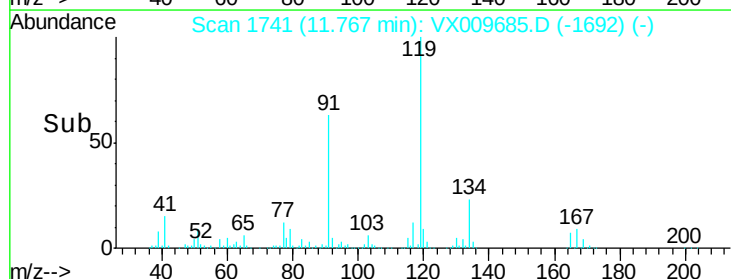
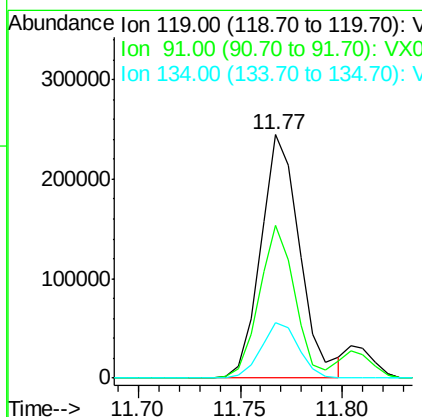
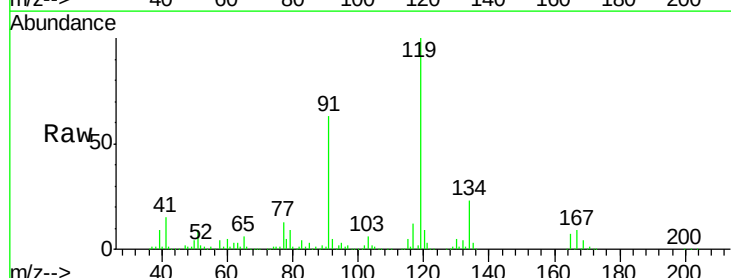
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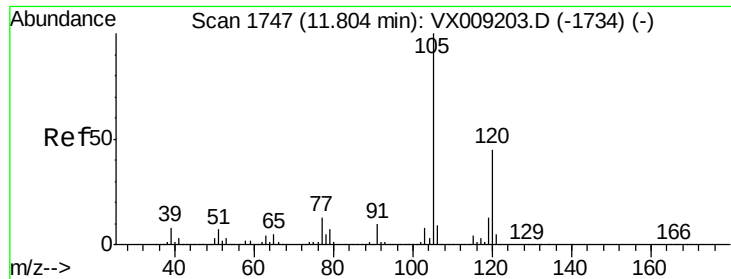
MMDadoda
5/20/2019 11:11:22 AM



#83
tert-Butylbenzene
Concen: 51.149 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion: 119 Resp: 326387
Ion Ratio Lower Upper
119 100
91 57.1 29.5 88.5
134 22.0 11.4 34.1





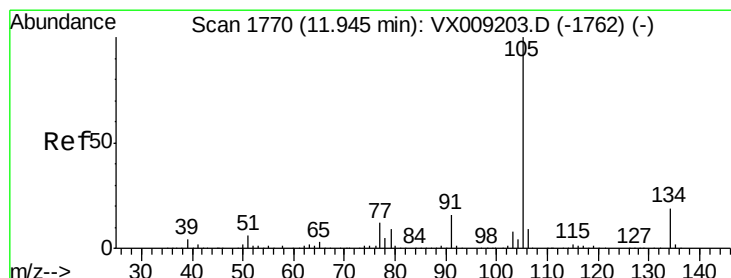
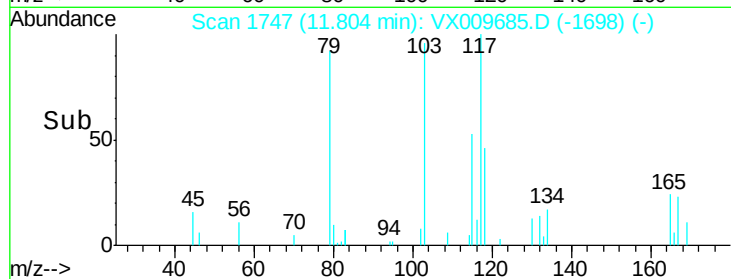
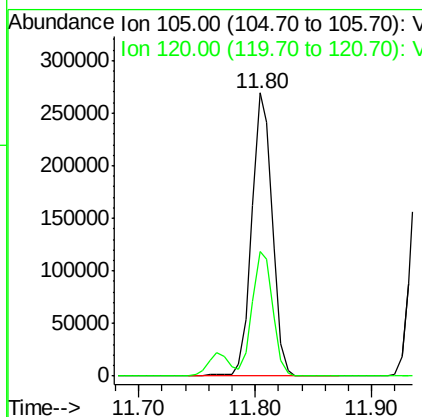
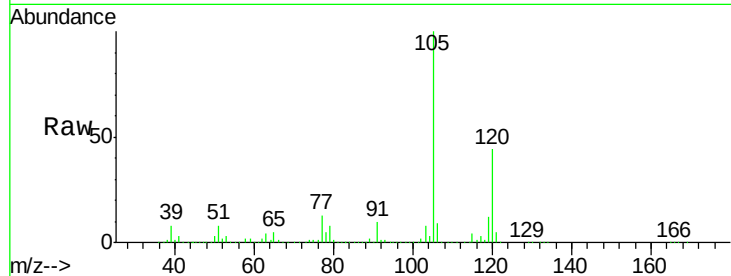
#84
 1,2,4-Trimethylbenzene
 Concen: 50.248 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0

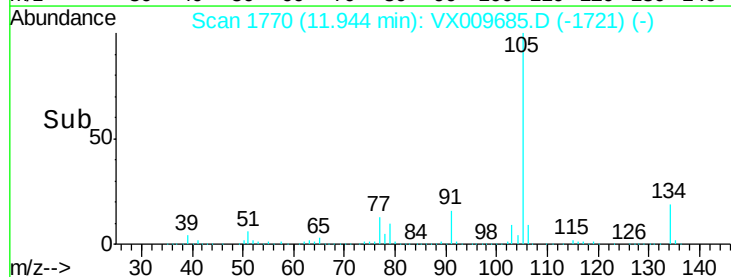
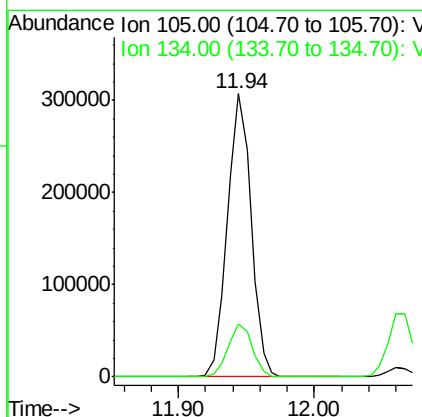
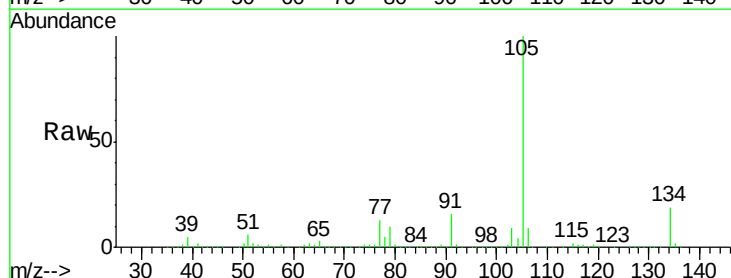
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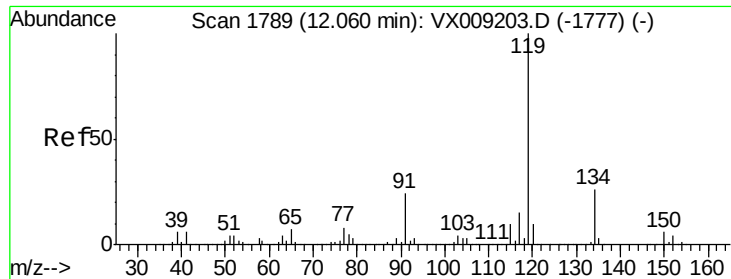
MMDadoda
 5/20/2019 11:11:22 AM



#85
 sec-Butylbenzene
 Concen: 49.210 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9





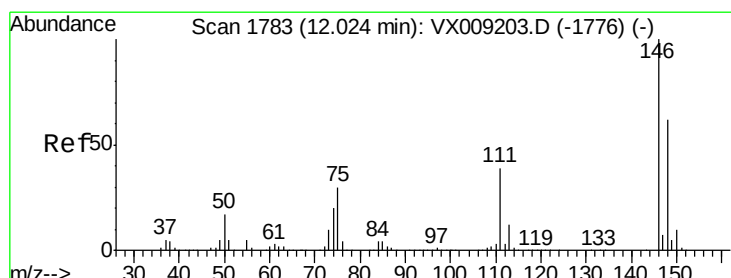
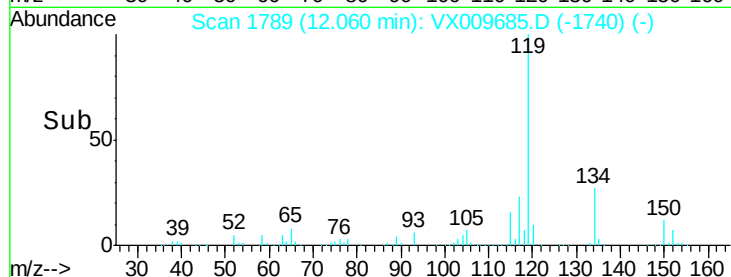
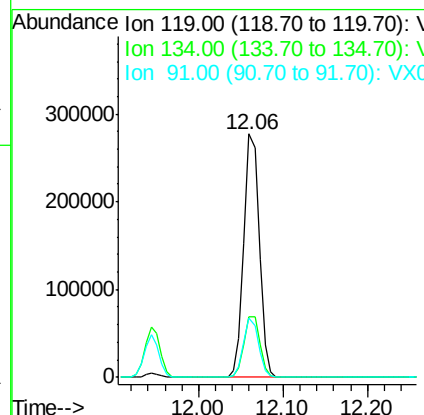
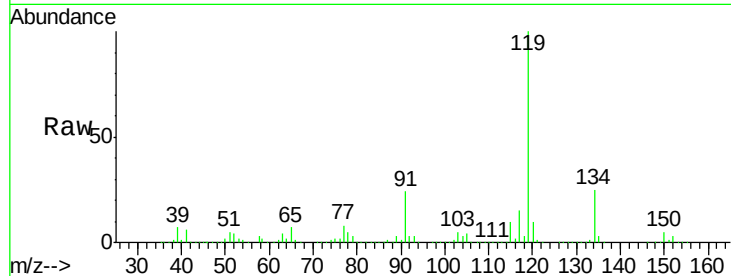
#86
 p-Isopropyltoluene
 Concen: 49.859 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	339093		
134	25.8	12.9	38.7	
91	23.6	11.8	35.4	

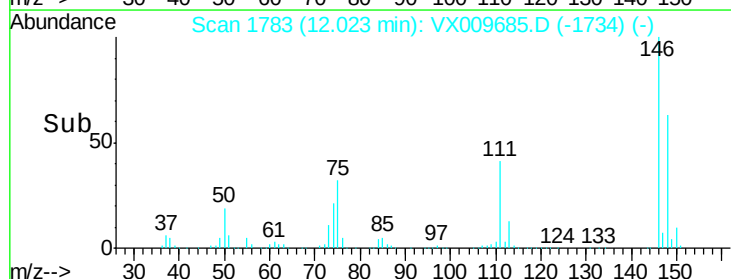
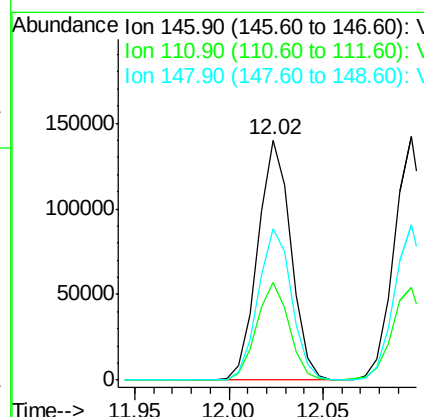
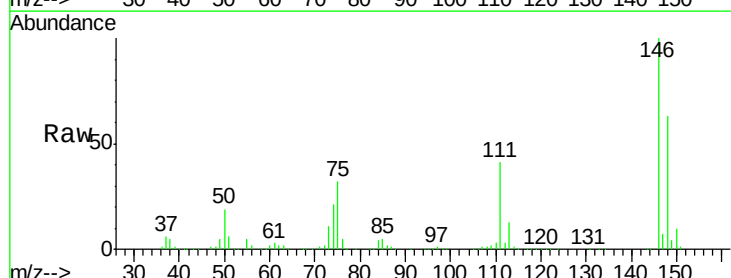
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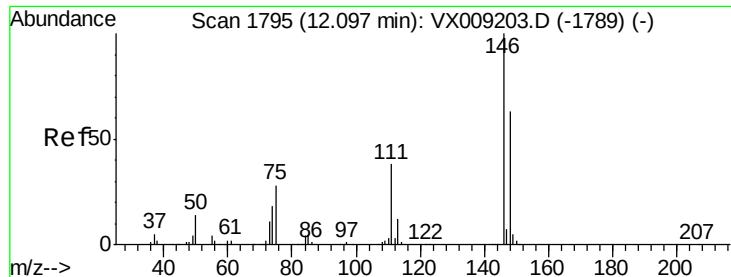
MMDadoda
 5/20/2019 11:11:22 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.468 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	170515		
111	40.4	20.0	59.9	
148	63.8	31.8	95.3	





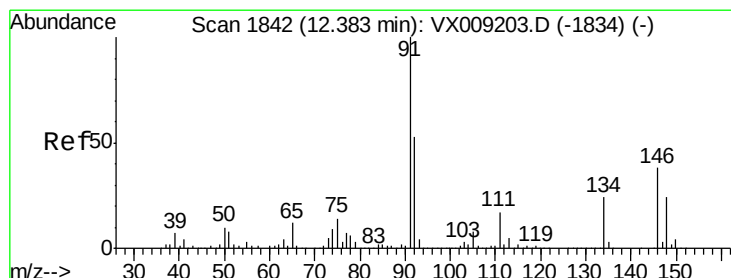
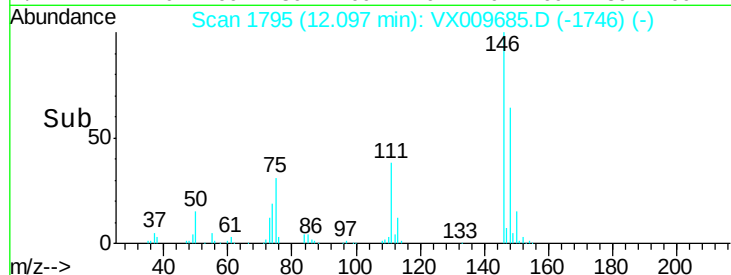
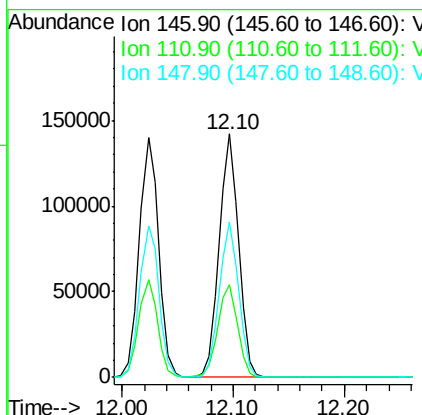
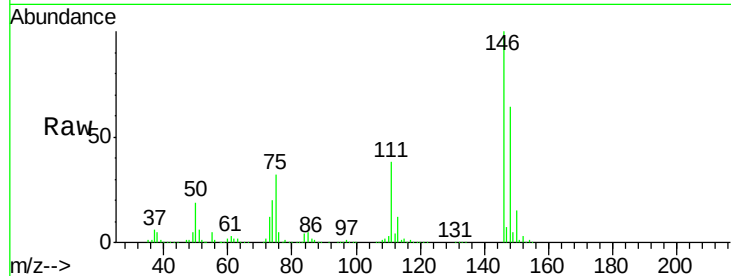
#88
 1,4-Dichlorobenzene
 Concen: 49.403 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.8
148	64.0	31.8	95.3

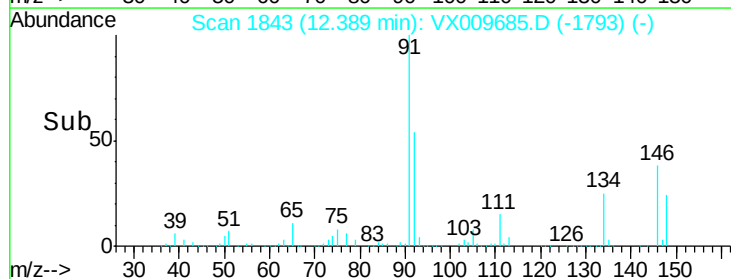
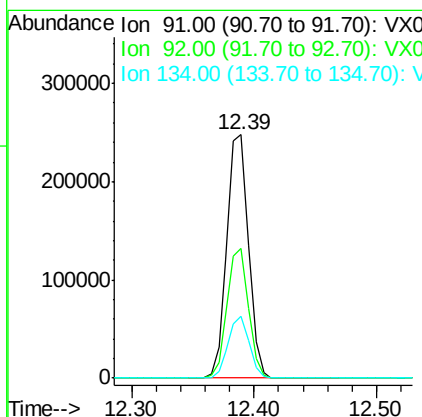
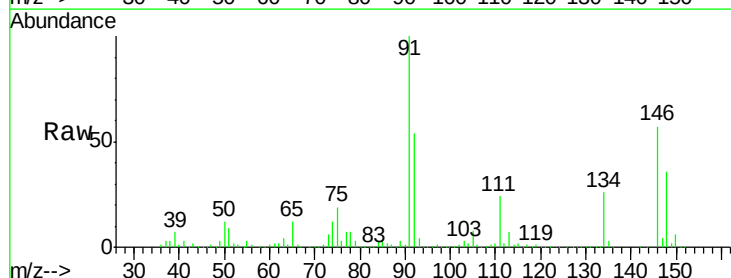
Manual Integrations
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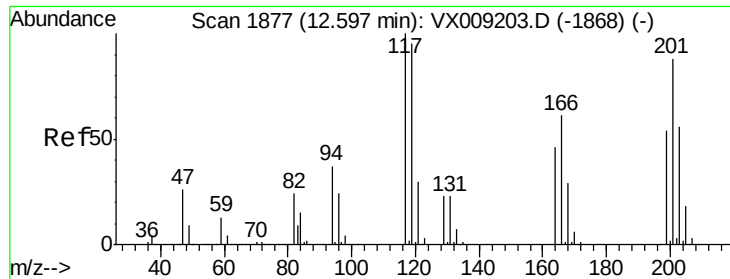
MMDadoda
 5/20/2019 11:11:22 AM



#89
 n-Butylbenzene
 Concen: 49.245 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	24.6	12.4	37.2





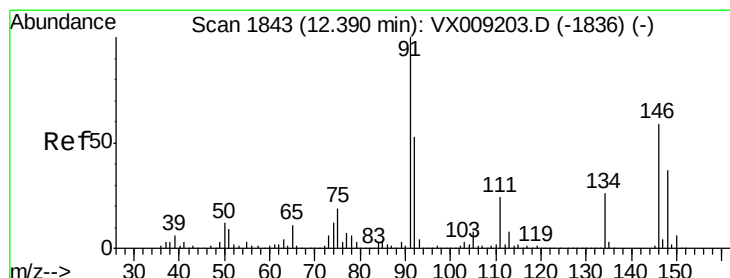
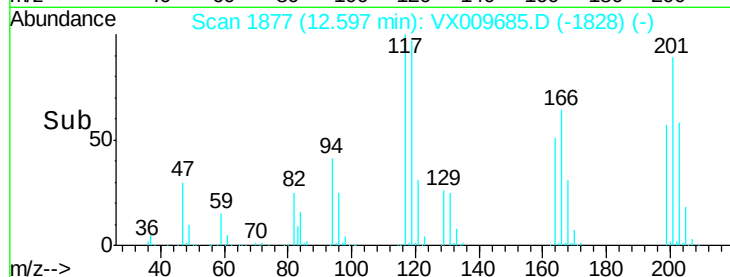
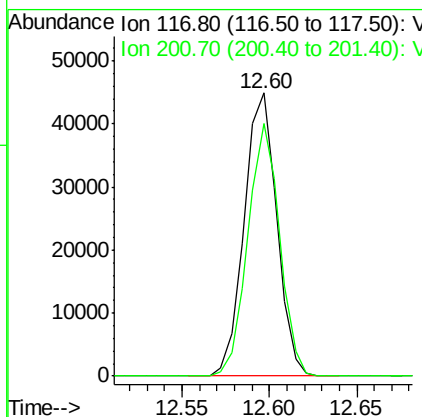
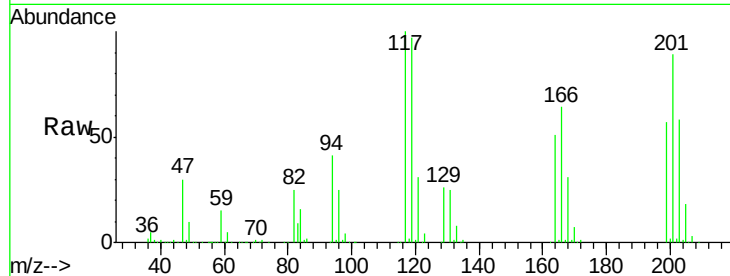
#90
Hexachloroethane
Concen: 50.316 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-523-525MS

Tot Ion:117 Resp: 58300
Ion Ratio Lower Upper
117 100
201 87.0 42.3 126.9

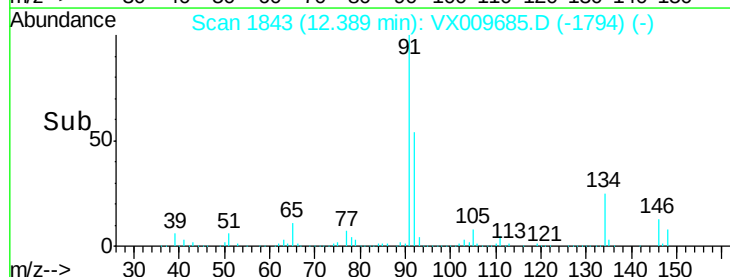
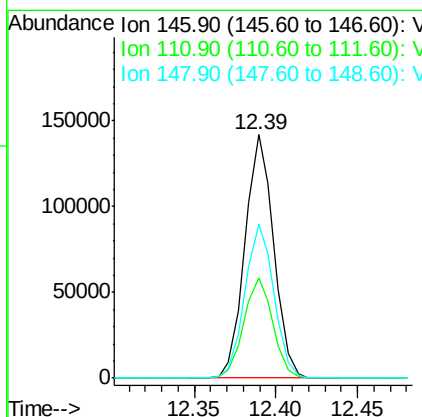
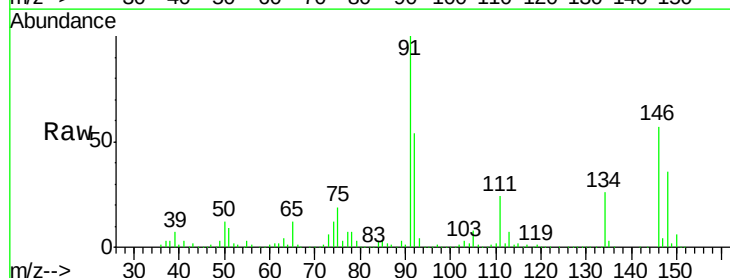
Manual Integrations
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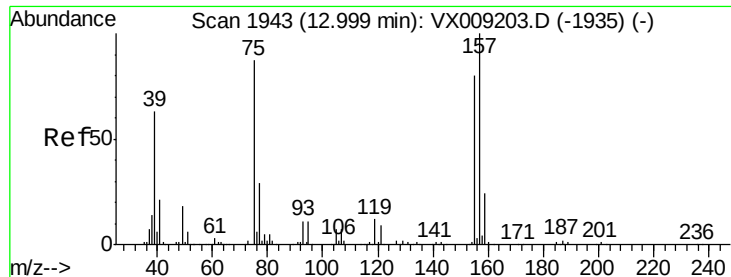
MMDadoda
5/20/2019 11:11:22 AM



#91
1,2-Dichlorobenzene
Concen: 49.809 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009685.D
Acq: 18 May 2019 00:24

Tgt Ion:146 Resp: 174874
Ion Ratio Lower Upper
146 100
111 41.2 20.8 62.4
148 63.8 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.530 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

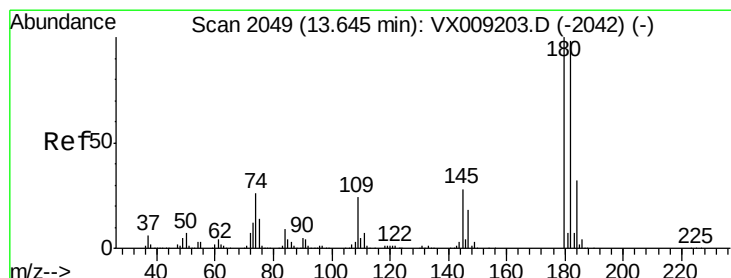
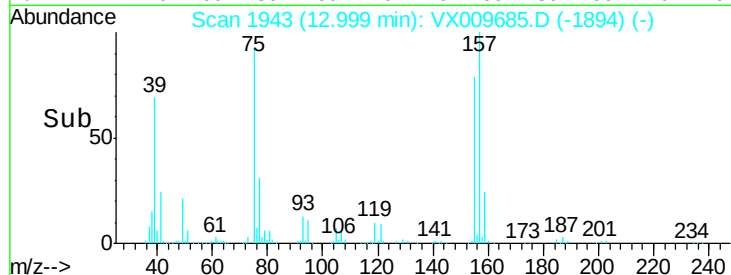
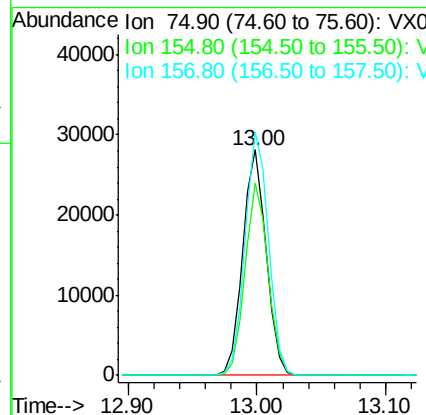
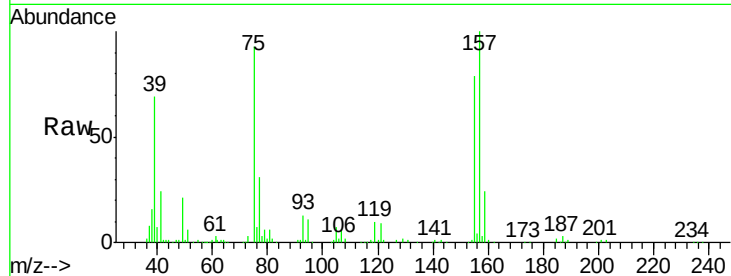
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	75	Resp:	35525
Ion Ratio	Lower	Upper	
75	100		
155	83.1	42.0	126.0
157	107.1	53.2	159.6

Manual Integrations
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MMDadoda
5/20/2019 11:11:22 AM



#93

1,2,4-Trichlorobenzene

Concen: 49.589 ug/l

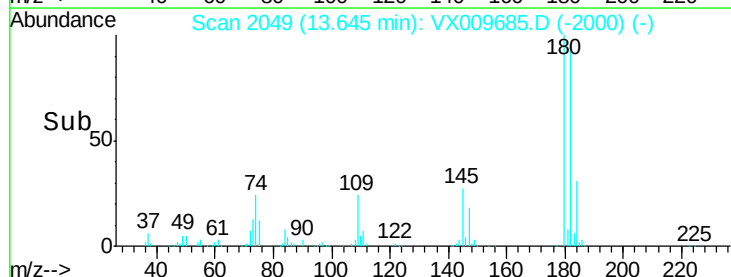
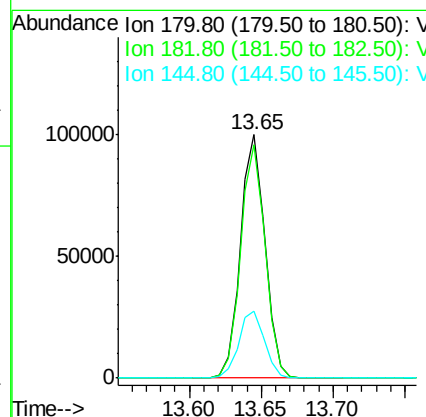
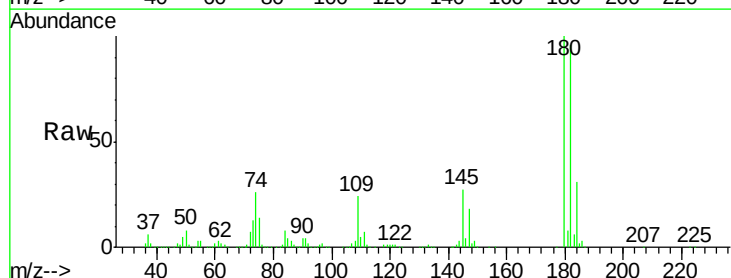
RT: 13.65 min Scan# 2049

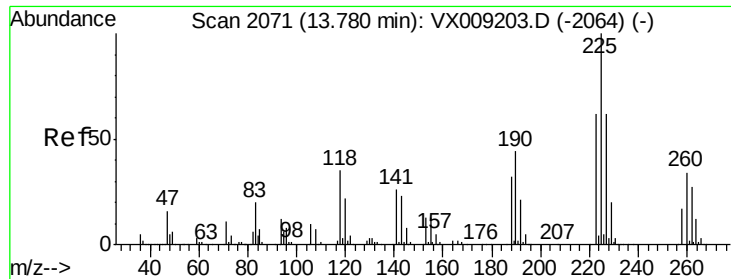
Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	180	Resp:	119058
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.4	145.2
145	28.7	14.6	43.8





#94

Hexachlorobutadiene

Concen: 47.482 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Instrument :

MSVOA_X

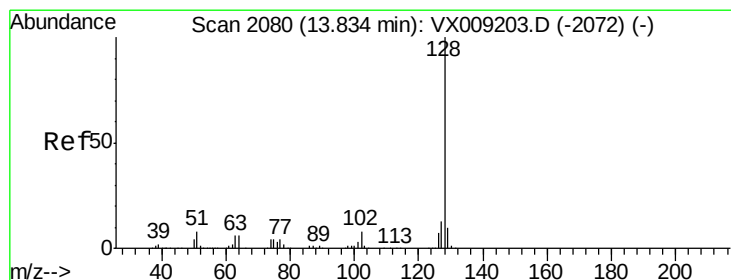
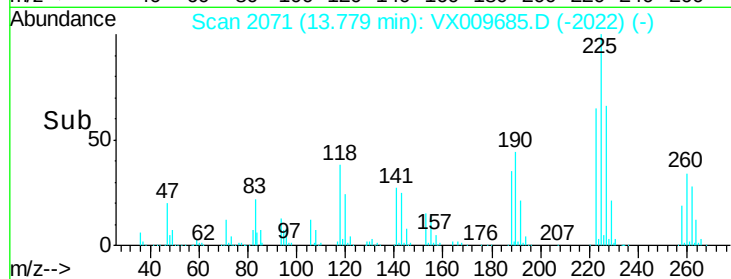
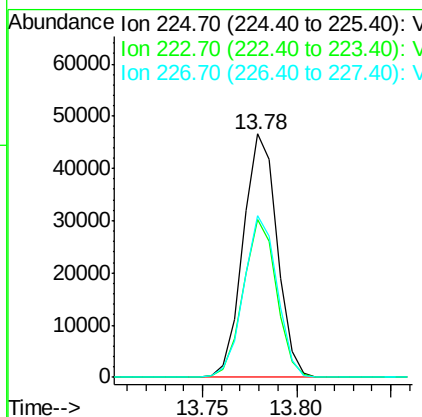
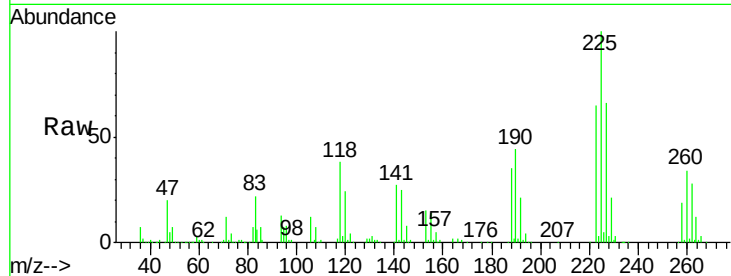
ClientSampleId :

BP-VPB202-GW-523-525MS

Tot Ion:	225	Resp:	58215
Ion Ratio		Lower	Upper
225	100		
223	63.2	31.3	93.8
227	65.3	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:22 AM



#95

Naphthalene

Concen: 52.581 ug/l

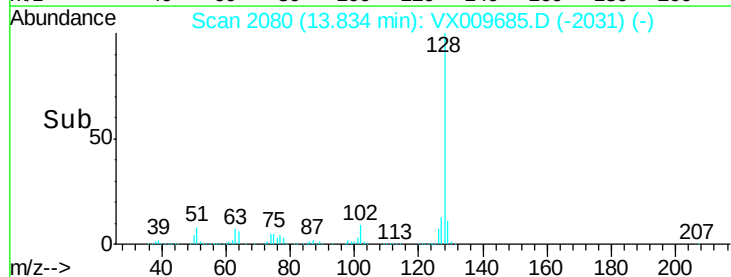
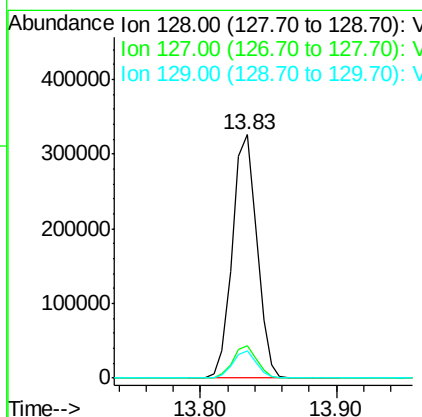
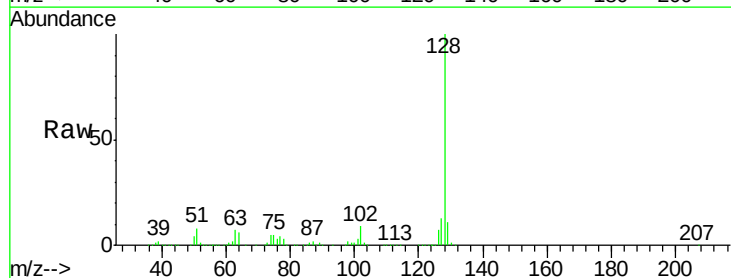
RT: 13.83 min Scan# 2080

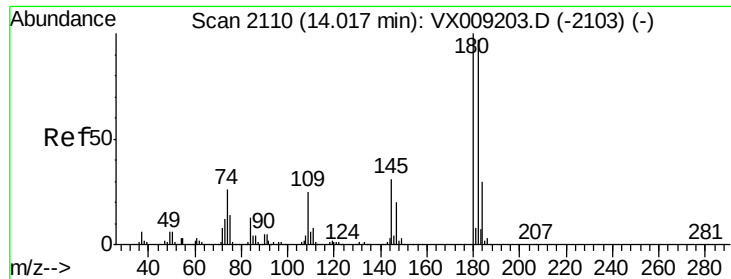
Delta R.T. -0.00 min

Lab File: VX009685.D

Acq: 18 May 2019 00:24

Tgt Ion:	128	Resp:	410716
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 50.425 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009685.D
 Acq: 18 May 2019 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-523-525MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.7	47.8	143.4
145	31.1	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:22 AM

