

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058325.D
 Acq On : 24 Sep 2019 4:05
 Operator : JC/SP
 Sample : K5002-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Quant Time: Sep 24 07:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	400707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	732573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	331392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	315292	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	7.57	113	227051	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.08	98	874282	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.41	95	321083	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	130508	39.647	ug/l	98
3) Chloromethane	2.04	50	129138	50.915	ug/l	100
4) Vinyl Chloride	2.17	62	141811	51.131	ug/l	99
5) Bromomethane	2.54	94	72693	49.500	ug/l	96
6) Chloroethane	2.68	64	97666	55.132	ug/l	95
7) Trichlorofluoromethane	3.00	101	202205	45.004	ug/l	98
8) Diethyl Ether	3.39	74	104345	50.685	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	140046	43.232	ug/l	97
10) Methyl Iodide	3.93	142	140560	51.782	ug/l	100
11) Tert butyl alcohol	4.76	59	183625	276.593	ug/l	100
12) 1,1-Dichloroethene	3.72	96	124965	50.838	ug/l	94
13) Acrolein	3.59	56	35578	361.621	ug/l	97
14) Allyl chloride	4.30	41	230177	43.423	ug/l	91
15) Acrylonitrile	4.96	53	548960	310.363	ug/l	99
16) Acetone	3.80	43	469190	247.667	ug/l	99
17) Carbon Disulfide	4.03	76	155578	44.987	ug/l	99
18) Methyl Acetate	4.30	43	263209	52.801	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	679823	55.641	ug/l	100
20) Methylene Chloride	4.53	84	183217	55.263	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	134694	50.283	ug/l	95
22) Diisopropyl ether	5.93	45	743303	55.202	ug/l	98
23) Vinyl Acetate	5.87	43	2442933	265.146	ug/l	100
24) 1,1-Dichloroethane	5.83	63	406471	56.560	ug/l	99
25) 2-Butanone	6.82	43	750010	290.595	ug/l	100
26) 2,2-Dichloropropane	6.81	77	190565	31.256	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	214177	52.707	ug/l	95
28) Bromochloromethane	7.18	49	207803	61.124	ug/l #	97
29) Tetrahydrofuran	7.19	42	470810	296.146	ug/l	99
30) Chloroform	7.36	83	414640	53.601	ug/l	100
31) Cyclohexane	7.64	56	215802	46.275	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	313925	53.307	ug/l	99
36) 1,1-Dichloropropene	7.78	75	225894	42.759	ug/l	99
37) Ethyl Acetate	6.91	43	272929	49.782	ug/l	99
38) Carbon Tetrachloride	7.76	117	244161	45.977	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	191503	37.509	ug/l	97
40) Benzene	8.03	78	769121	47.665	ug/l	99
41) Methacrylonitrile	7.19	41	458508	163.895	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	341679	50.464	ug/l	100
43) Isopropyl Acetate	8.15	43	533949	52.147	ug/l	98
44) Trichloroethene	8.83	130	183125	46.377	ug/l	100
45) 1,2-Dichloropropane	9.11	63	247934	51.451	ug/l	98
46) Dibromomethane	9.20	93	148410	50.656	ug/l	99
47) Bromodichloromethane	9.40	83	326075	53.126	ug/l	99
48) Methyl methacrylate	9.19	41	255527	54.963	ug/l	99
49) 1,4-Dioxane	9.19	88	77226	1011.759	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1711341	314.665	ug/l	99
52) Toluene	10.15	92	484970	47.957	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	315863	50.239	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	332904	47.959	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	241905	53.904	ug/l	99
56) Ethyl methacrylate	10.43	69	356309	55.029	ug/l	100
57) 1,3-Dichloropropane	10.71	76	400176	51.871	ug/l	100
59) 2-Hexanone	10.75	43	1232173	305.053	ug/l	99
60) Dibromochloromethane	10.90	129	240289	55.656	ug/l	99
61) 1,2-Dibromoethane	11.00	107	218743	52.596	ug/l	100
64) Tetrachloroethene	10.63	164	134915	40.986	ug/l	100
65) Chlorobenzene	11.44	112	569740	47.969	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	225587	52.380	ug/l	99
67) Ethyl Benzene	11.51	91	1009007	49.579	ug/l	99
68) m/p-Xylenes	11.63	106	730509	95.303	ug/l	98
69) o-Xylene	11.95	106	377010	50.021	ug/l	98
70) Styrene	11.97	104	661883	50.968	ug/l	99
71) Bromoform	12.13	173	152704	47.981	ug/l #	99
73) Isopropylbenzene	12.25	105	1035716	49.931	ug/l	100
74) N-amyl acetate	12.07	43	454656	52.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	390627	56.235	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	451294	76.092	ug/l #	100
77) Bromobenzene	12.53	156	250388	47.988	ug/l	97
78) n-propylbenzene	12.60	91	1206048	51.166	ug/l	99
79) 2-Chlorotoluene	12.68	91	740610	50.274	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	895177	51.034	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	85558	43.752	ug/l	97
82) 4-Chlorotoluene	12.78	91	771638	49.831	ug/l	100
83) tert-Butylbenzene	13.00	119	780027	49.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	923371	52.898	ug/l	99
85) sec-Butylbenzene	13.18	105	1052870	51.472	ug/l	99
86) p-Isopropyltoluene	13.30	119	933414	51.329	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	478238	50.182	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	475351	48.857	ug/l	100
89) n-Butylbenzene	13.62	91	831090	48.205	ug/l	99
90) Hexachloroethane	13.88	117	155206	48.747	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	486544	50.895	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74356	59.458	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	289025	47.319	ug/l	100

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QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

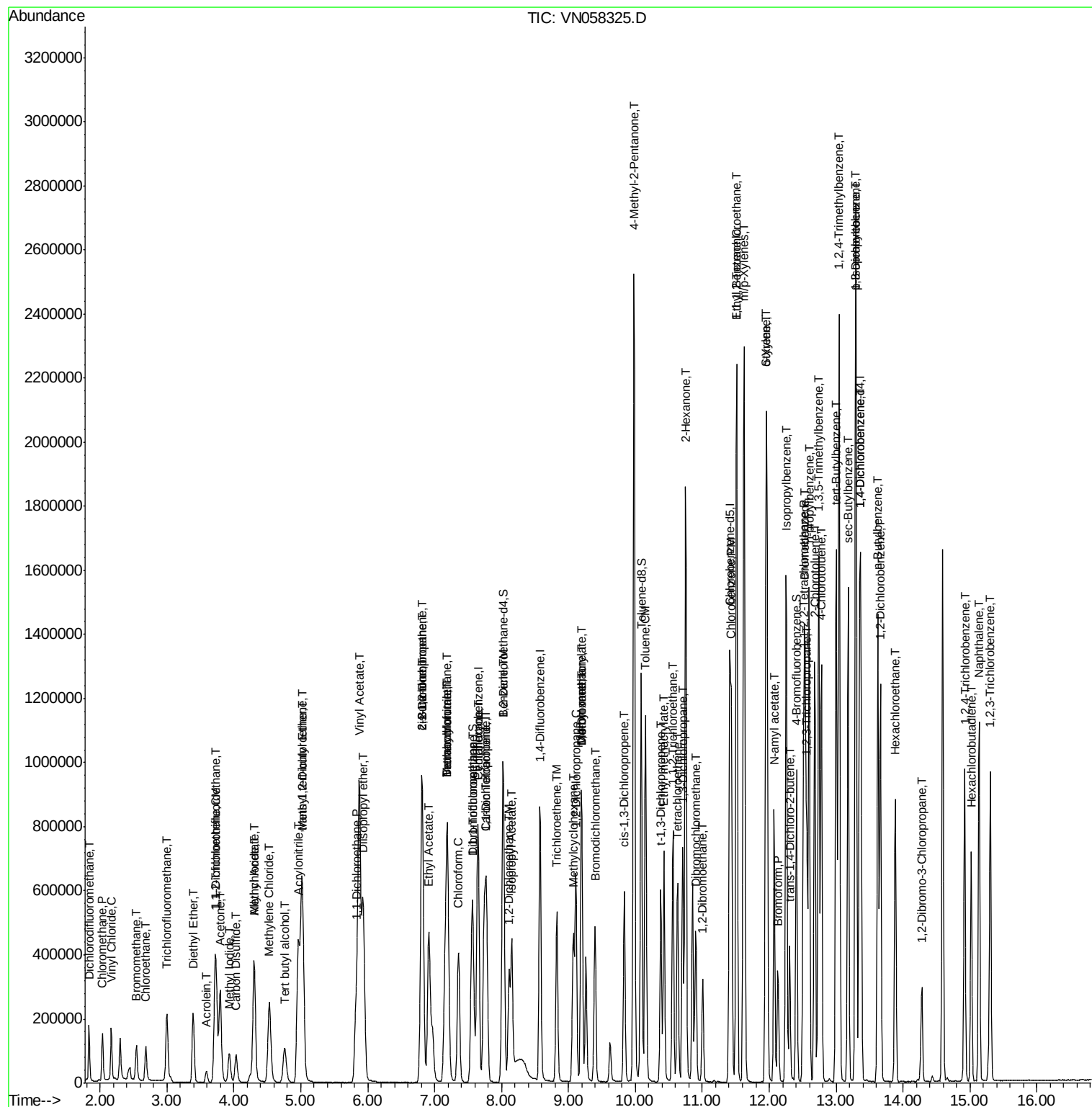
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	126432	42.827	ug/l	96
95) Naphthalene	15.14	128	867637	54.812	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	283780	49.156	ug/l	99

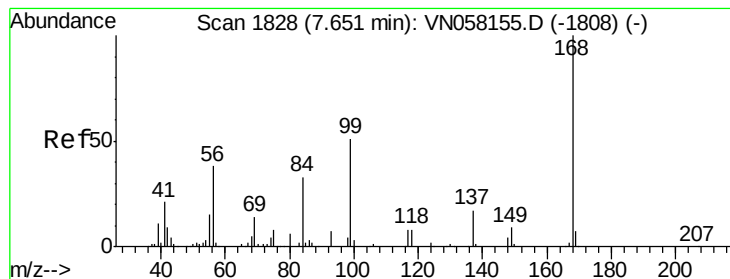
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

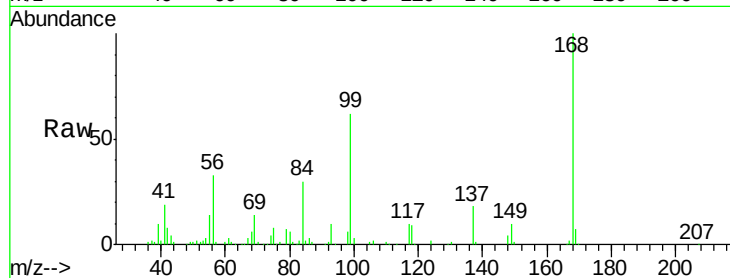
S49-0520MS

Tot Ion:168 Resp: 400707

Ion Ratio Lower Upper

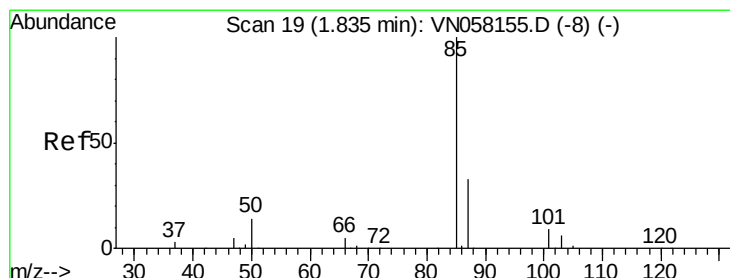
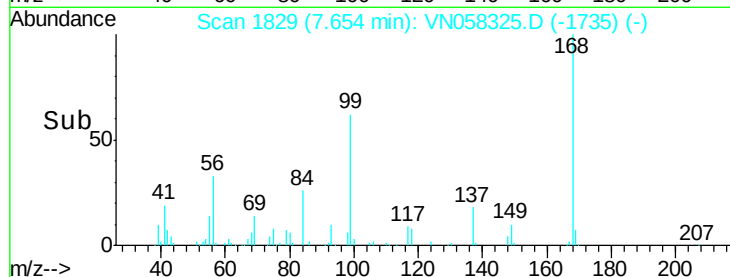
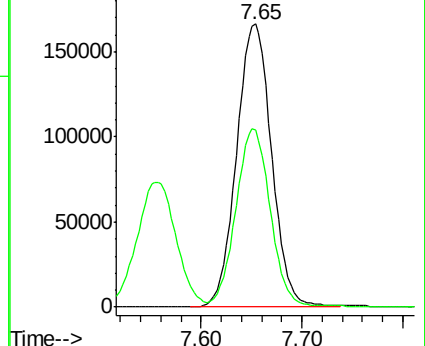
168 100

99 61.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 39.647 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058325.D

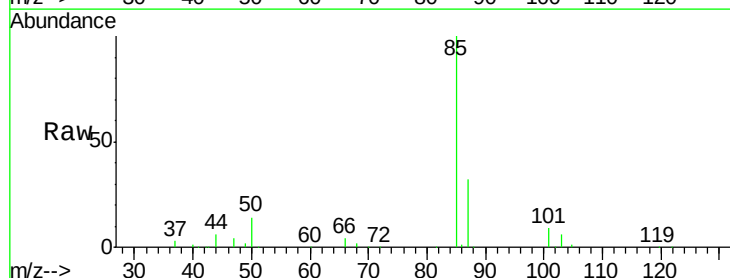
Acq: 24 Sep 2019 4:05

Tgt Ion: 85 Resp: 130508

Ion Ratio Lower Upper

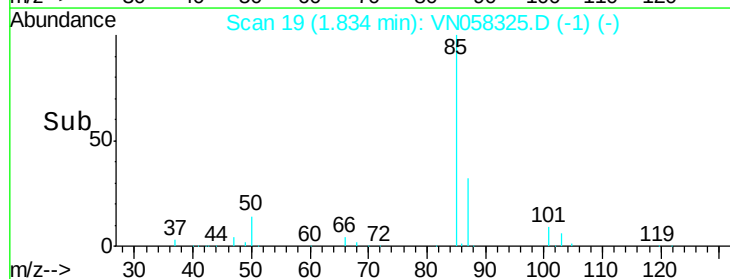
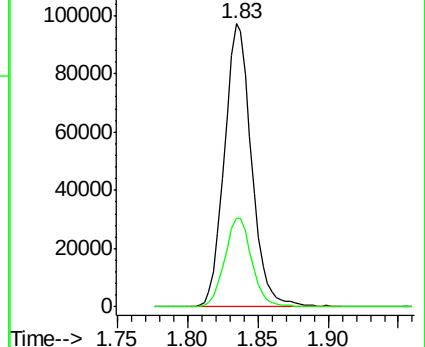
85 100

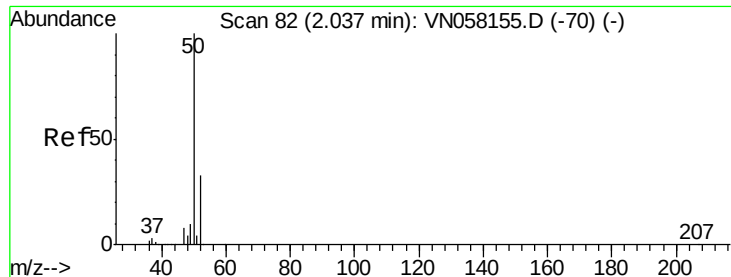
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

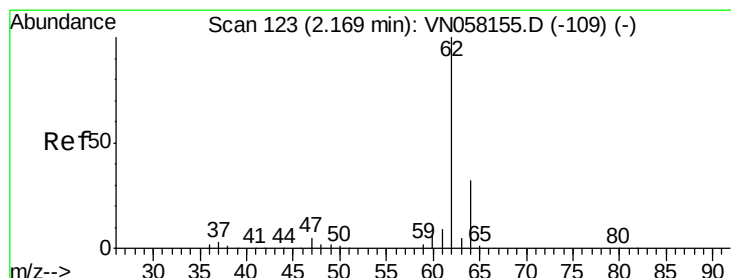
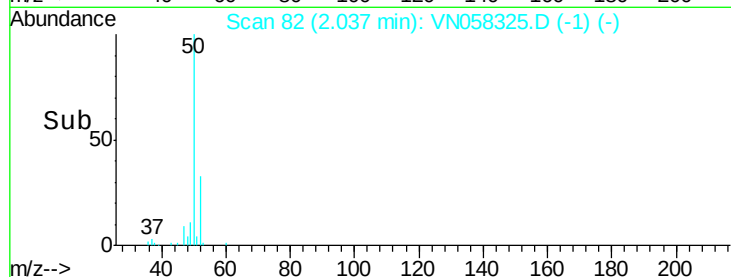
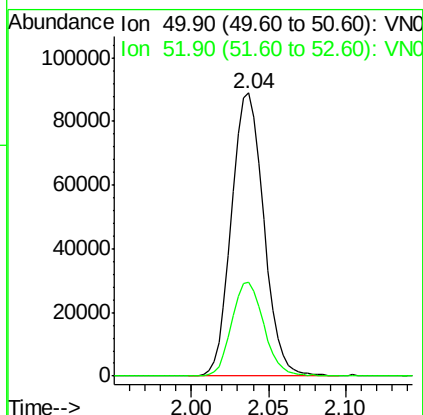
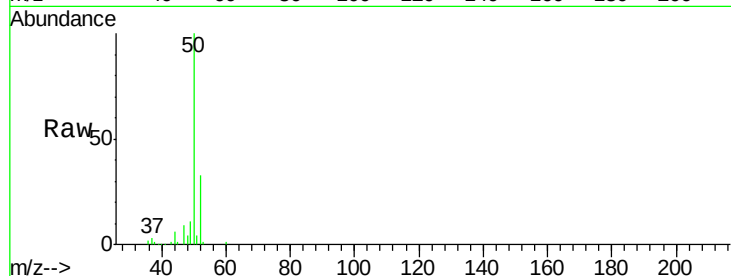




#3
Chloromethane
Concen: 50.915 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

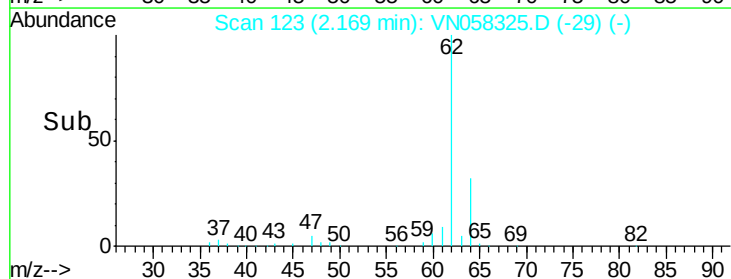
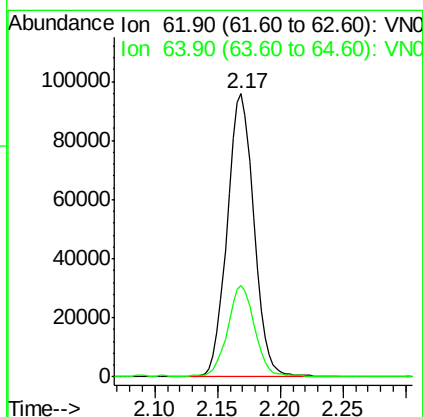
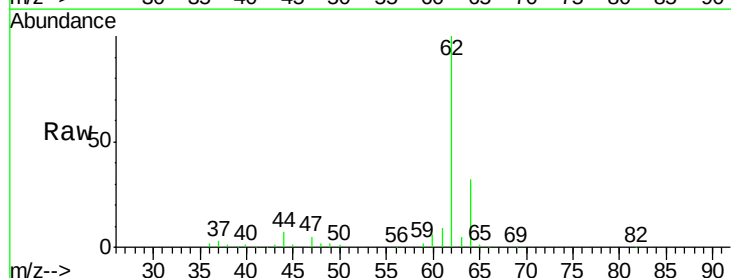
Instrument :
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ClientSampleId :
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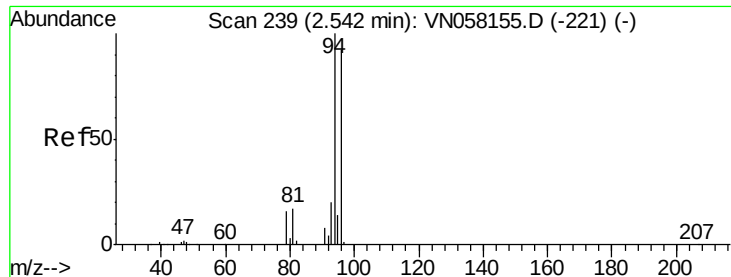
Tot Ion: 50 Resp: 129138
Ion Ratio Lower Upper
50 100
52 33.0 26.3 39.5



#4
Vinyl Chloride
Concen: 51.131 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 62 Resp: 141811
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.2





#5

Bromomethane

Concen: 49.500 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

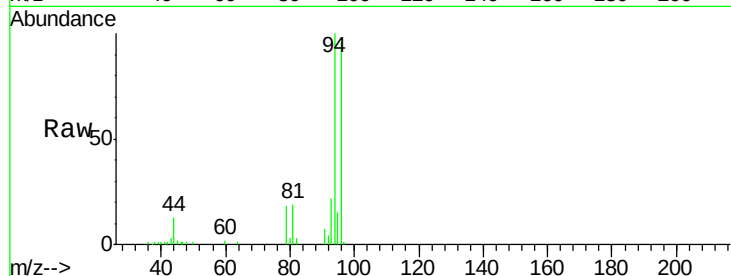
S49-0520MS

Tot Ion: 94 Resp: 72693

Ion Ratio Lower Upper

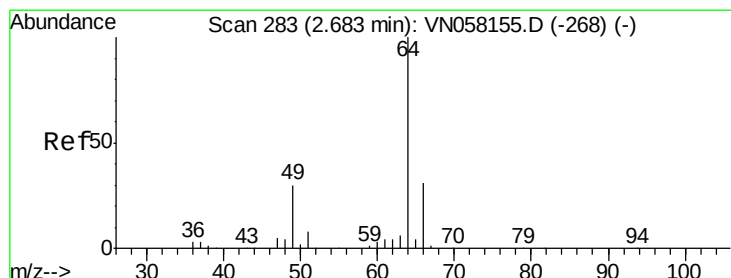
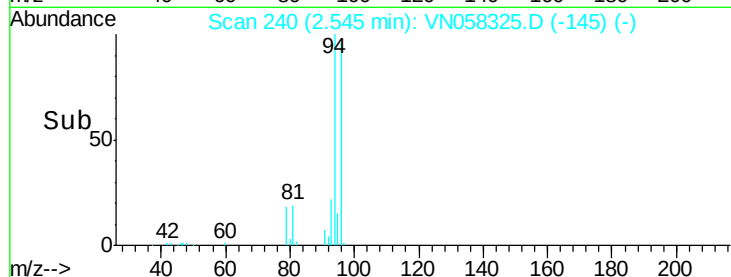
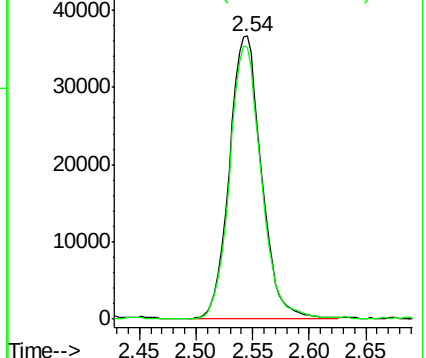
94 100

96 95.9 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 55.132 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058325.D

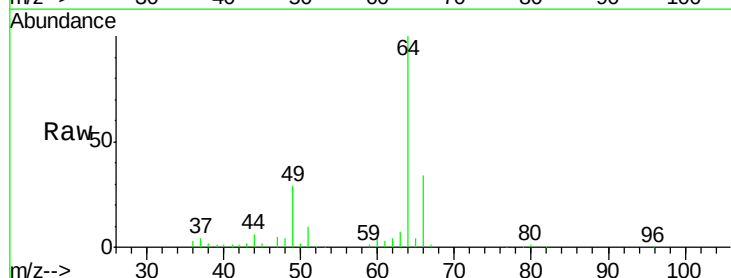
Acq: 24 Sep 2019 4:05

Tgt Ion: 64 Resp: 97666

Ion Ratio Lower Upper

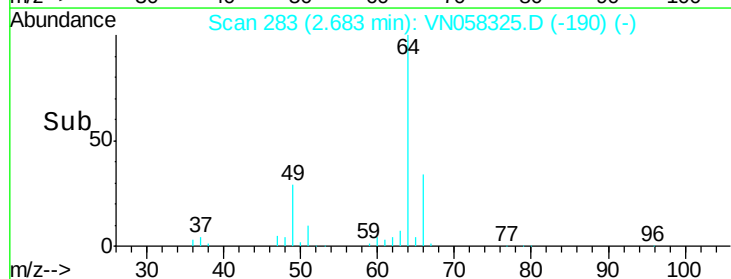
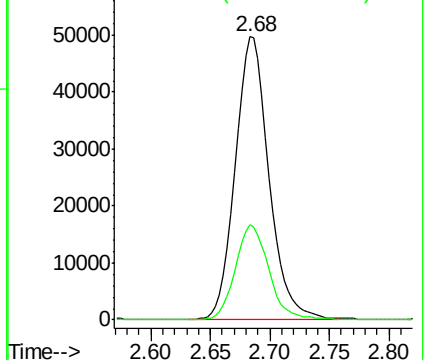
64 100

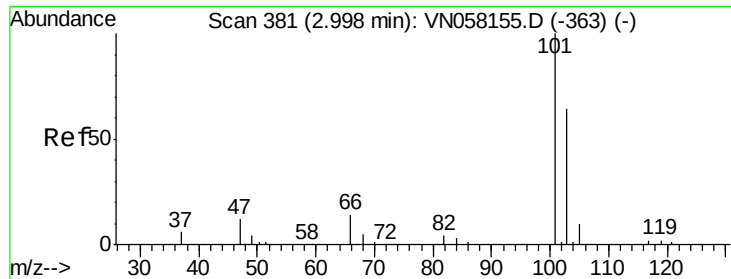
66 33.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



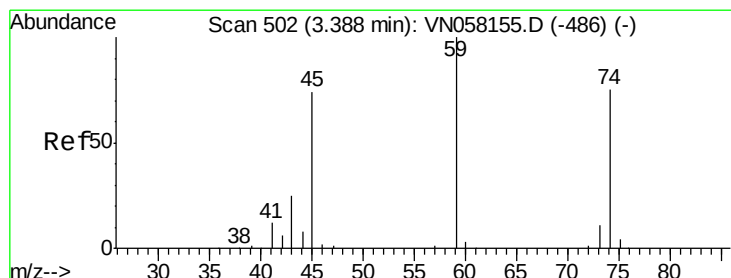
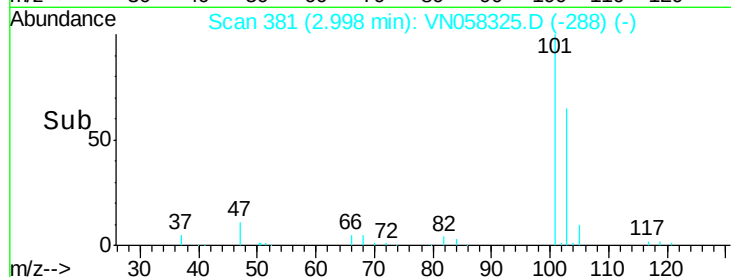
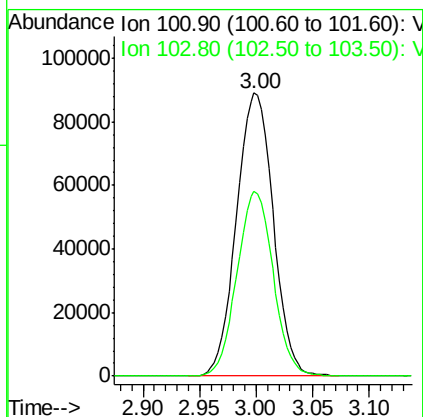
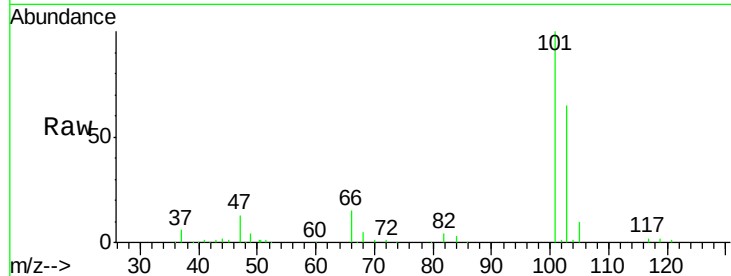


#7

Trichlorofluoromethane
 Concen: 45.004 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
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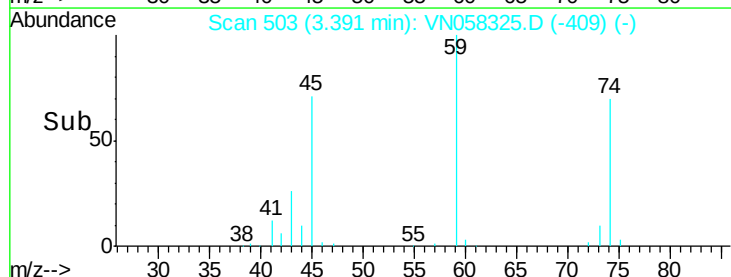
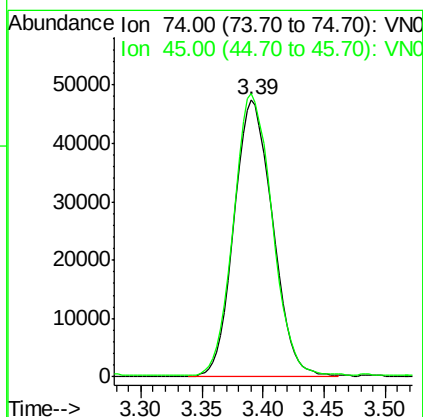
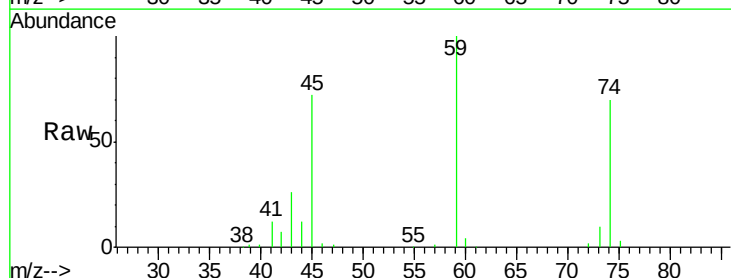
Tot Ion:101 Resp: 202205
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.0 76.6

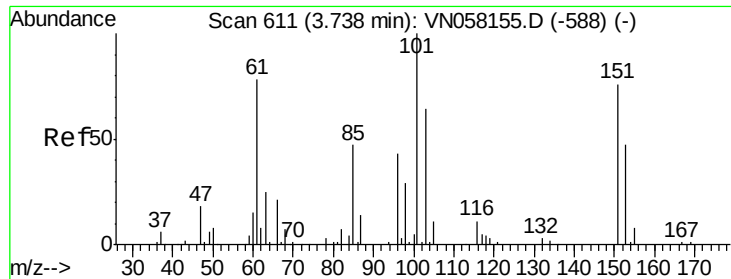


#8

Diethyl Ether
 Concen: 50.685 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion: 74 Resp: 104345
 Ion Ratio Lower Upper
 74 100
 45 101.7 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.232 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

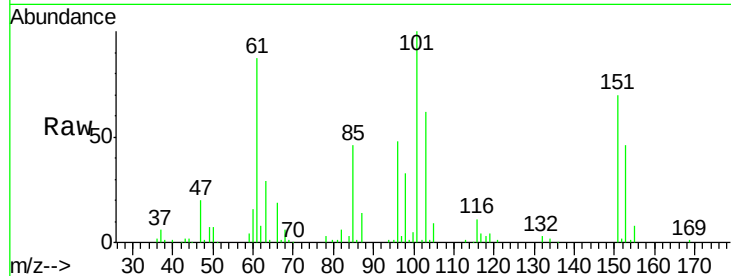
Tot Ion:101 Resp: 140046

Ion Ratio Lower Upper

101 100

85 45.9 37.3 55.9

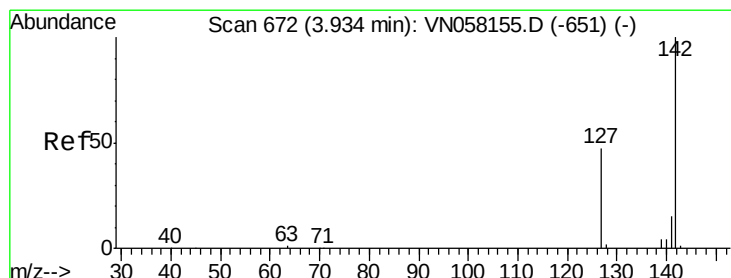
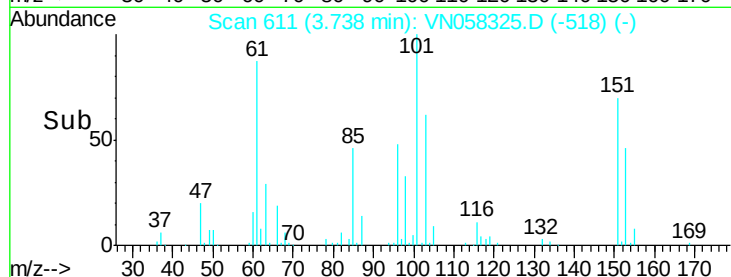
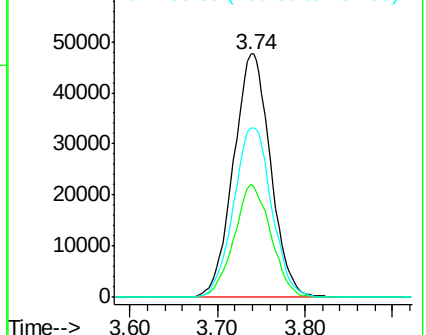
151 71.6 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.782 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

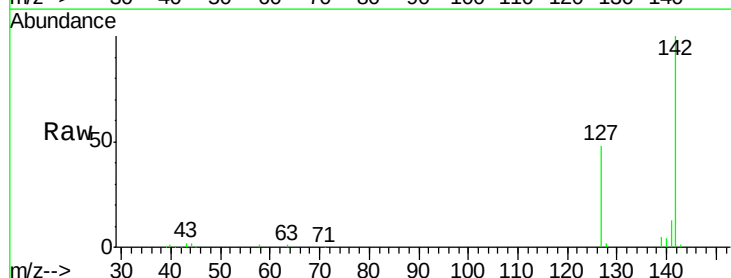
Tgt Ion:142 Resp: 140560

Ion Ratio Lower Upper

142 100

127 46.8 37.5 56.3

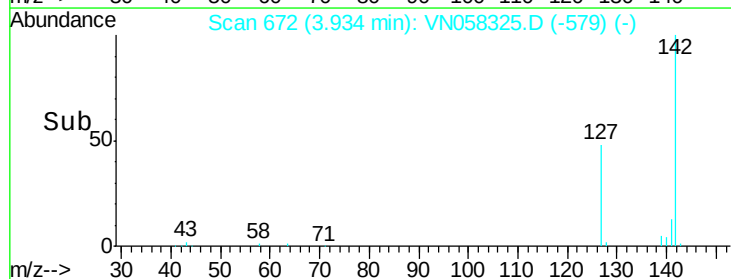
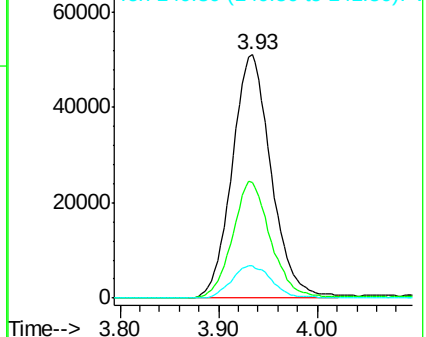
141 13.8 11.4 17.2

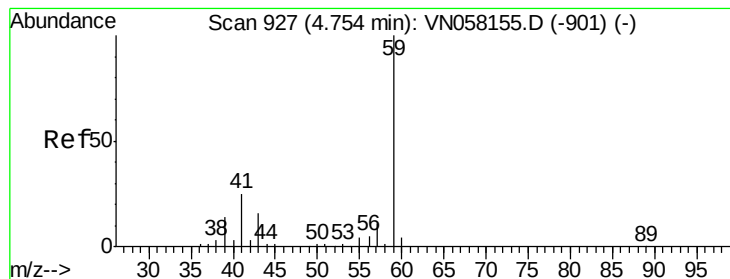


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



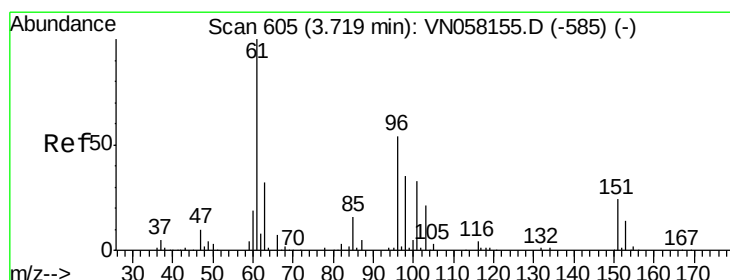
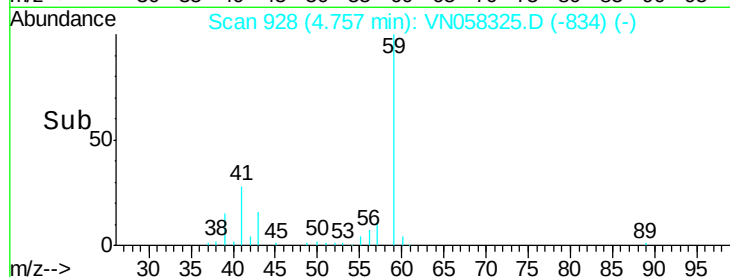
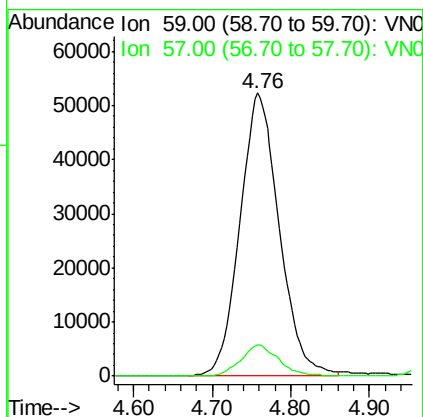
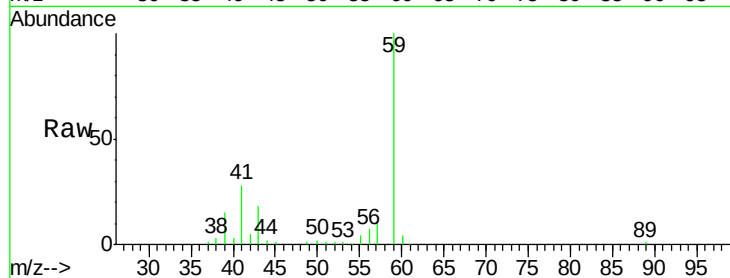


#11

Tert butyl alcohol
 Concen: 276.593 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MS

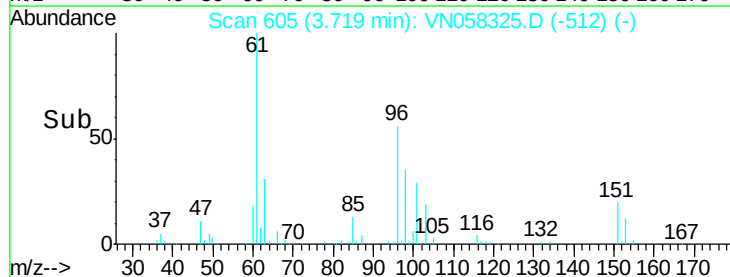
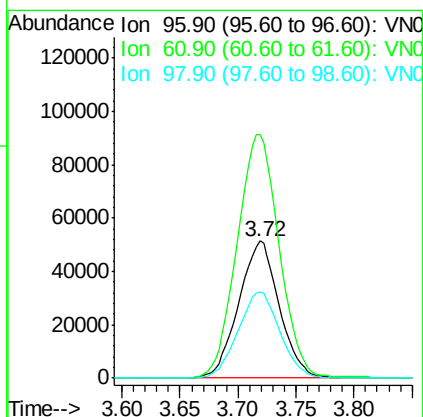
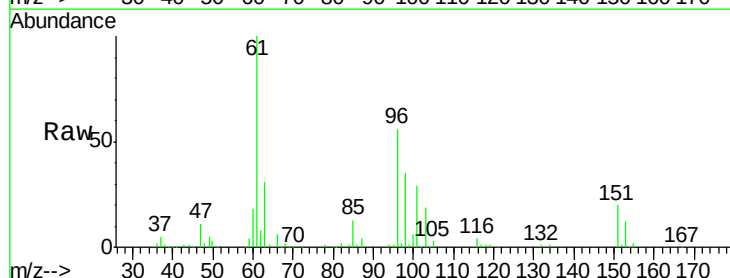
Tot Ion: 59 Resp: 183625
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 13.0

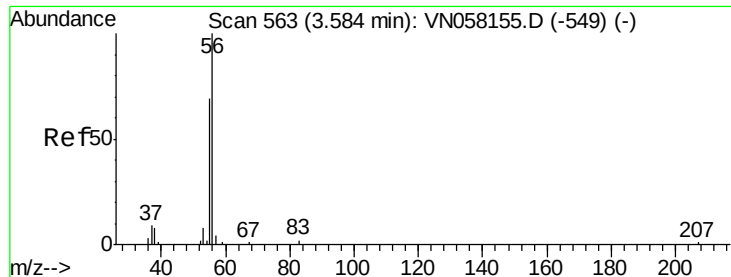


#12

1,1-Dichloroethene
 Concen: 50.838 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion: 96 Resp: 124965
 Ion Ratio Lower Upper
 96 100
 61 177.6 149.5 224.3
 98 63.1 52.4 78.6





#13

Acrolein

Concen: 361.621 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

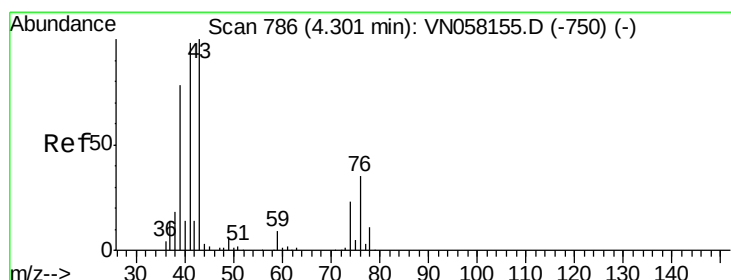
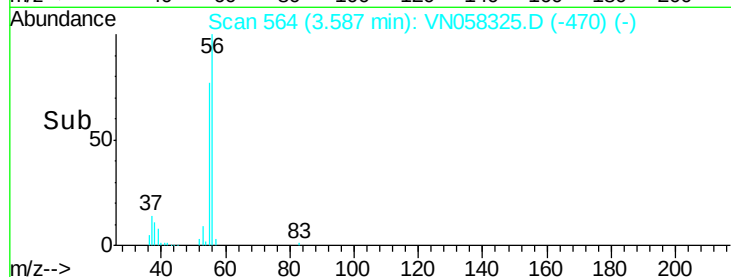
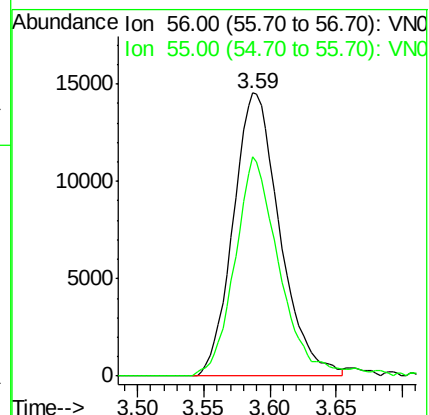
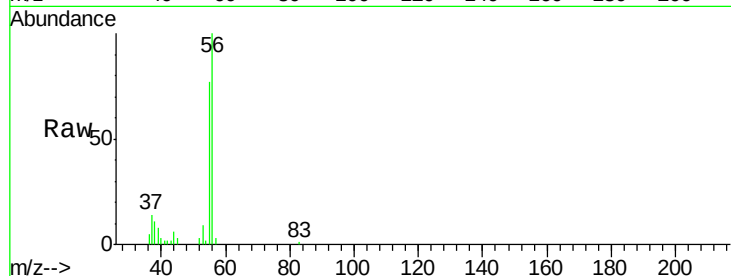
S49-0520MS

Tot Ion: 56 Resp: 35578

Ion Ratio Lower Upper

56 100

55 72.8 56.1 84.1



#14

Allyl chloride

Concen: 43.423 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

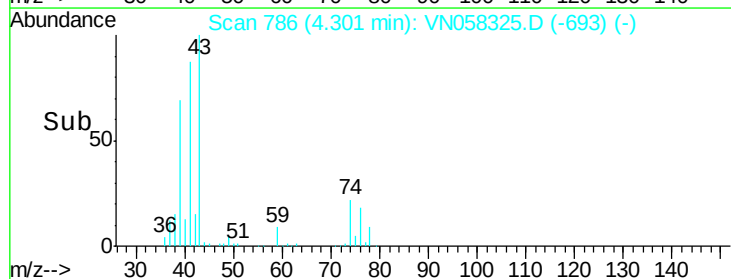
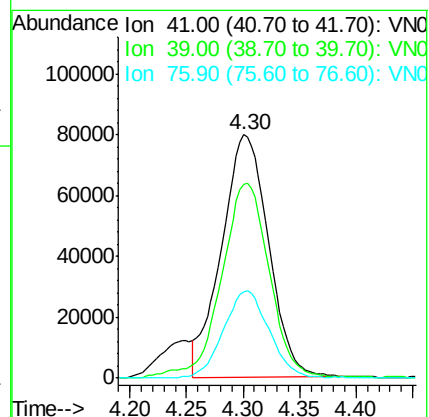
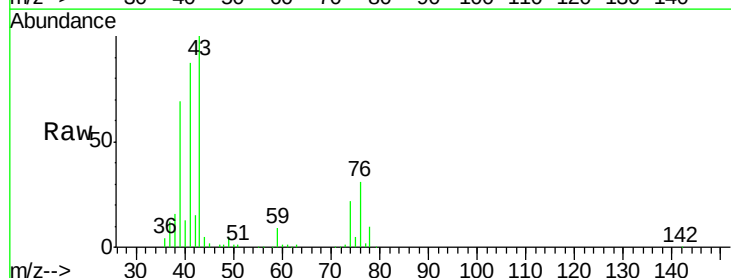
Tgt Ion: 41 Resp: 230177

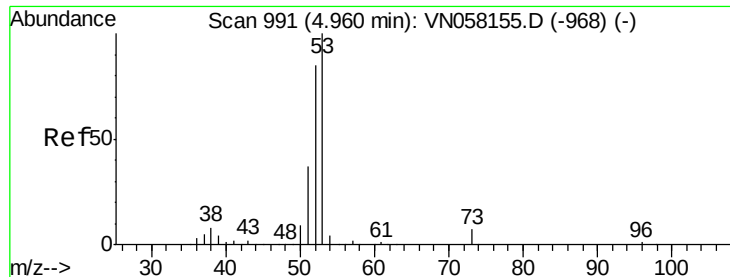
Ion Ratio Lower Upper

41 100

39 82.3 59.1 88.7

76 35.1 25.1 37.7





#15

Acrylonitrile

Concen: 310.363 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

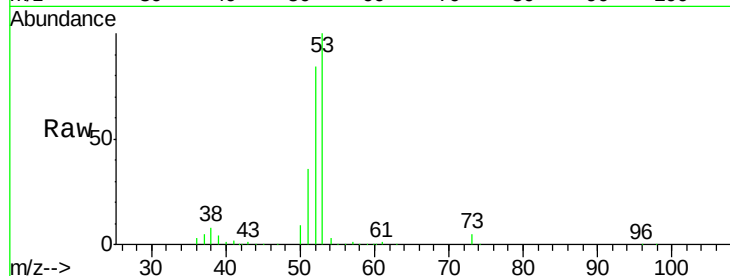
Tot Ion: 53 Resp: 548960

Ion Ratio Lower Upper

53 100

52 82.4 66.6 100.0

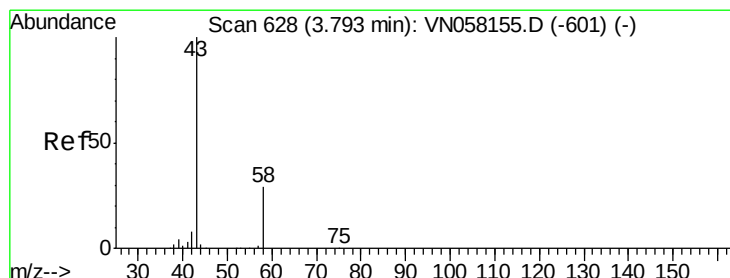
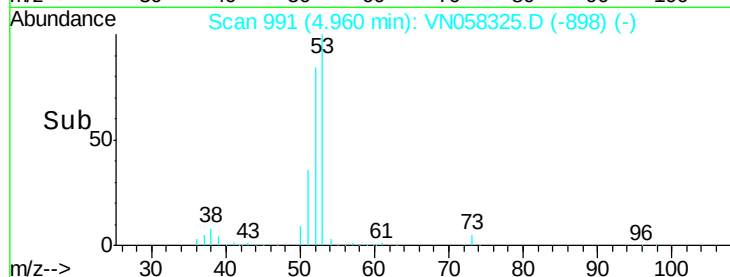
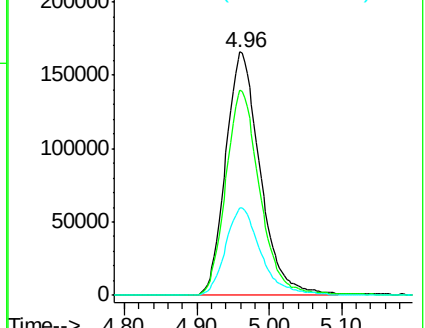
51 37.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 247.667 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058325.D

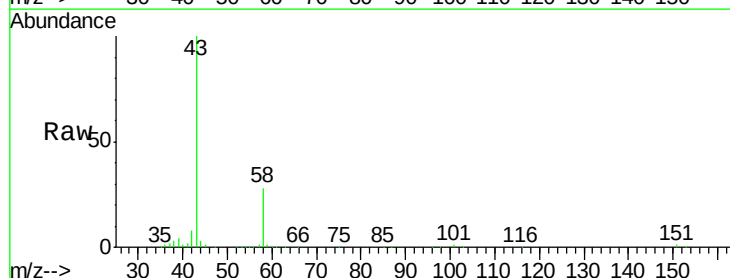
Acq: 24 Sep 2019 4:05

Tgt Ion: 43 Resp: 469190

Ion Ratio Lower Upper

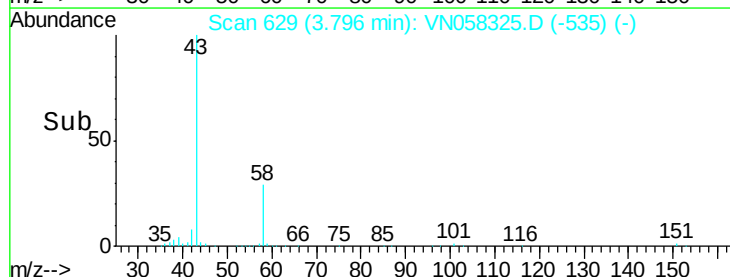
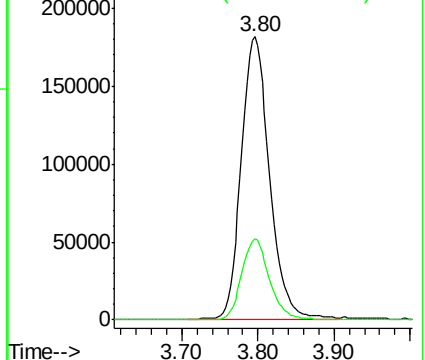
43 100

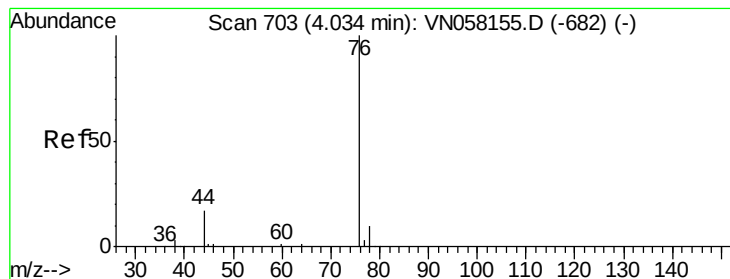
58 28.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 44.987 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

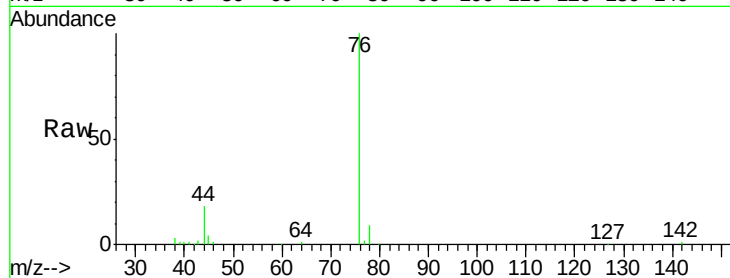
S49-0520MS

Tot Ion: 76 Resp: 155578

Ion Ratio Lower Upper

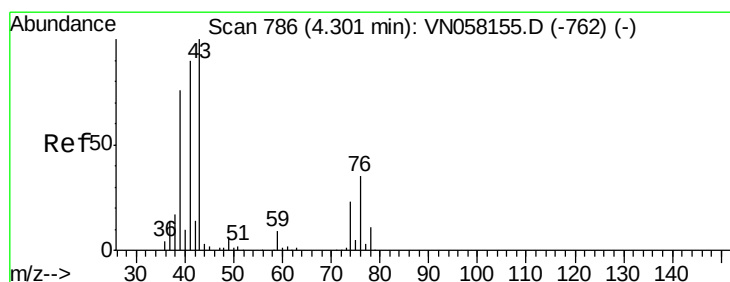
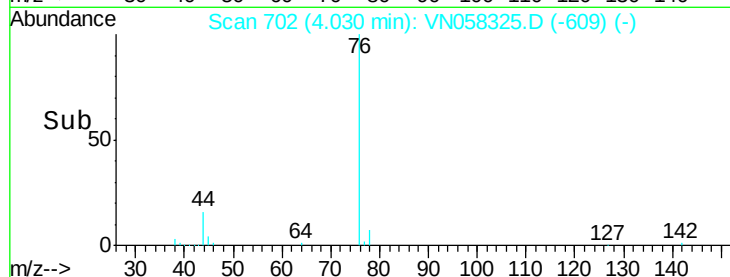
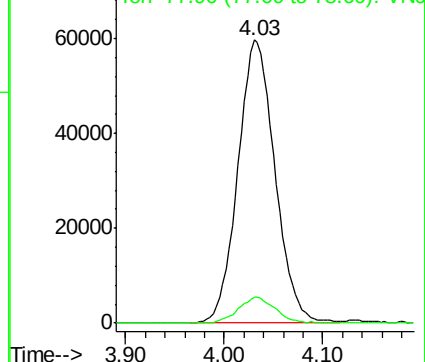
76 100

78 9.1 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 52.801 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058325.D

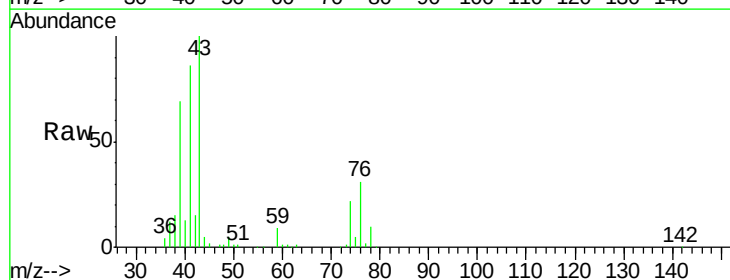
Acq: 24 Sep 2019 4:05

Tgt Ion: 43 Resp: 263209

Ion Ratio Lower Upper

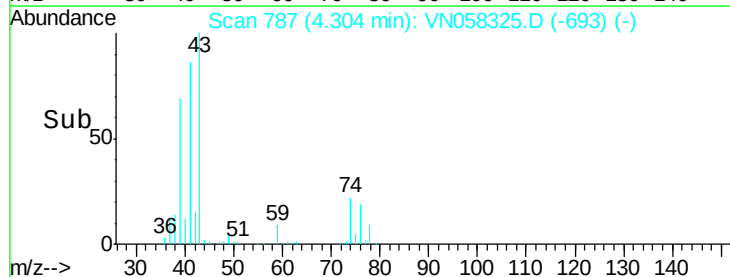
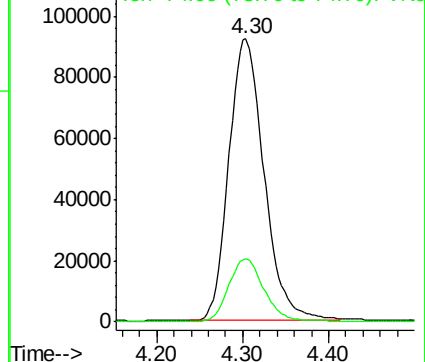
43 100

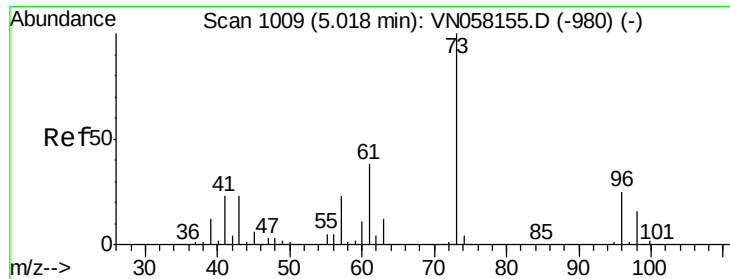
74 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

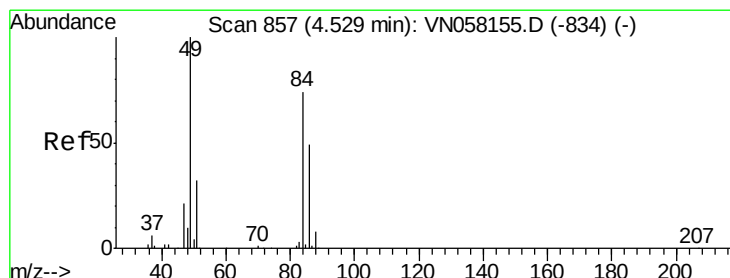
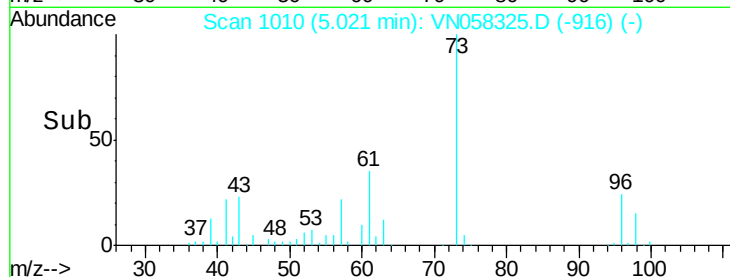
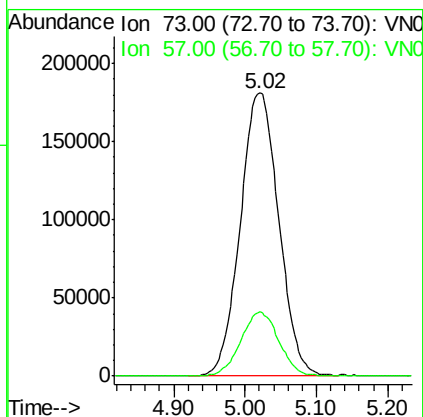
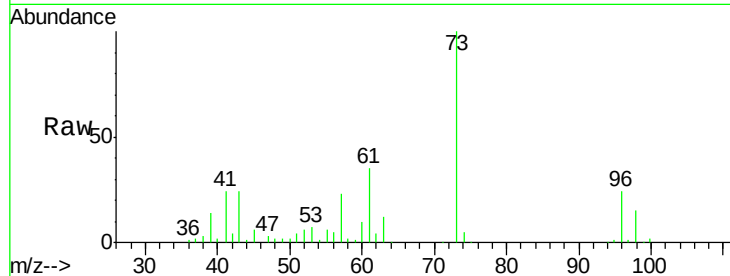




#19
Methvl tert-butvl Ether
Concen: 55.641 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

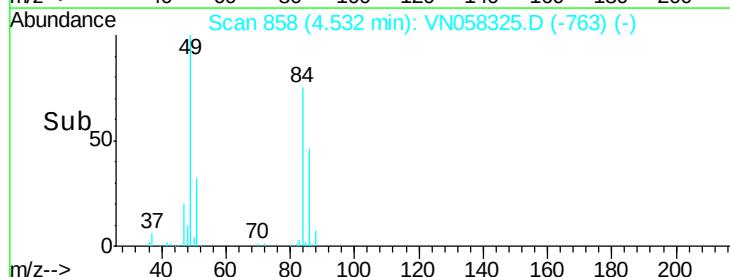
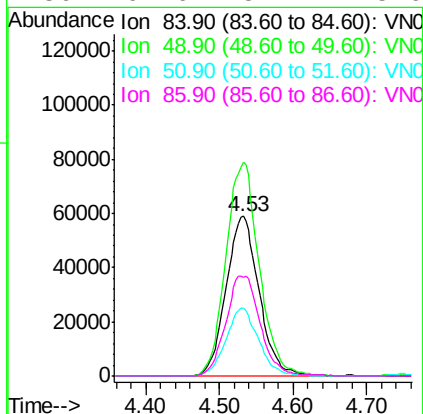
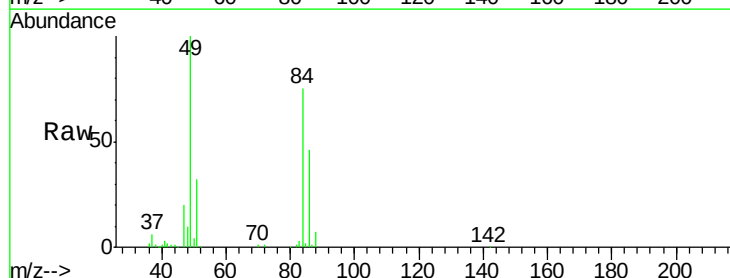
Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

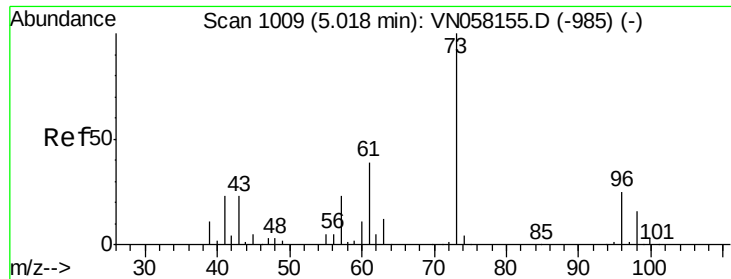
Tot Ion: 73 Resp: 679823
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1



#20
Methylene Chloride
Concen: 55.263 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 84 Resp: 183217
Ion Ratio Lower Upper
84 100
49 133.6 107.5 161.3
51 42.8 33.9 50.9
86 61.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 50.283 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

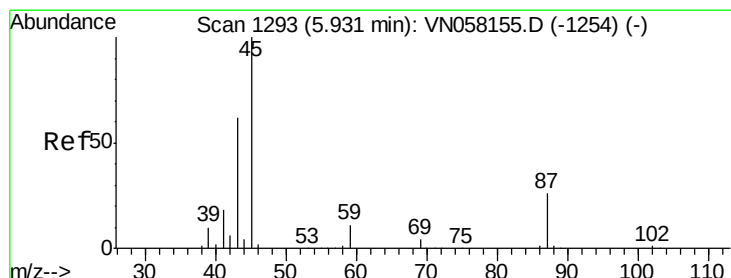
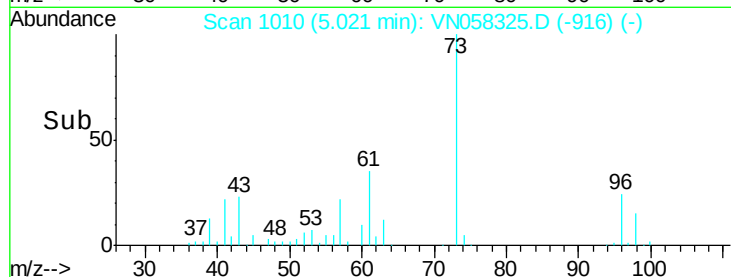
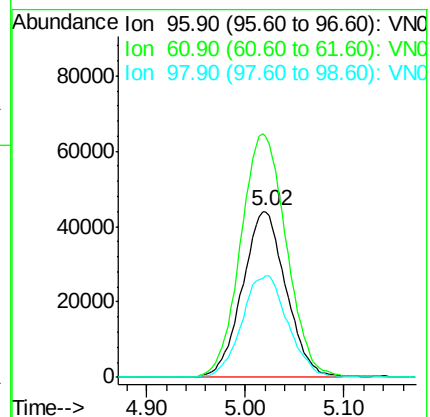
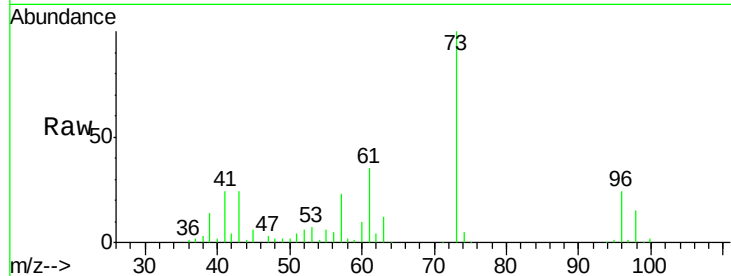
Tot Ion: 96 Resp: 134694

Ion Ratio Lower Upper

96 100

61 145.0 122.2 183.4

98 61.5 49.9 74.9



#22

Diisopropyl ether

Concen: 55.202 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tgt Ion: 45 Resp: 743303

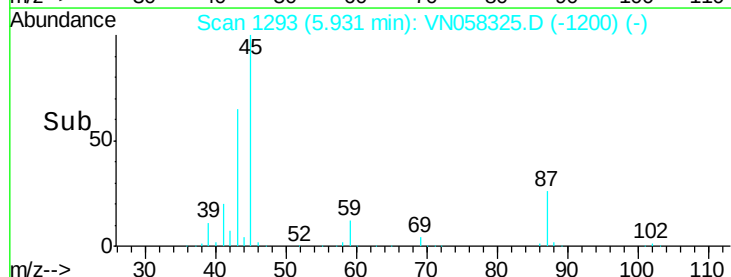
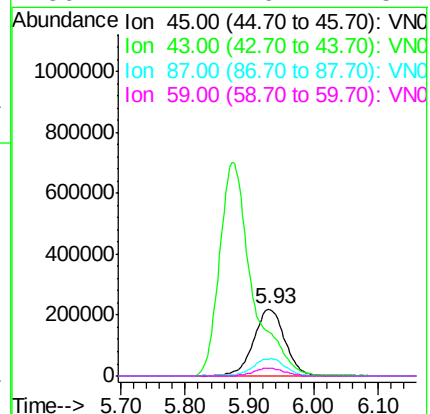
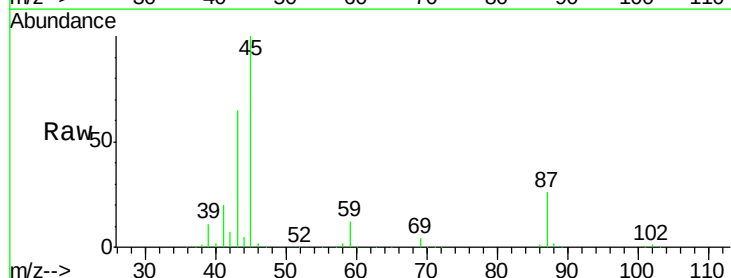
Ion Ratio Lower Upper

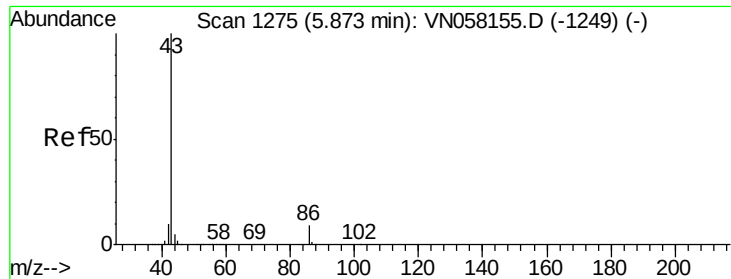
45 100

43 64.5 49.7 74.5

87 25.8 20.7 31.1

59 11.7 9.1 13.7





#23

Vinyl Acetate

Concen: 265.146 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

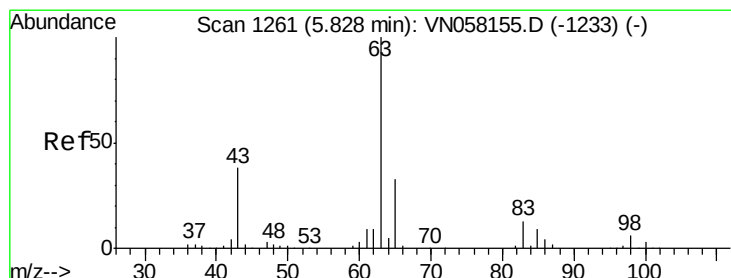
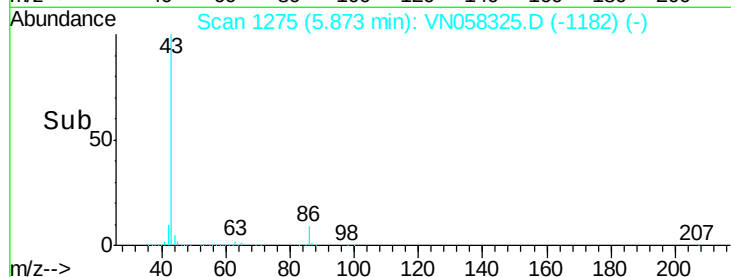
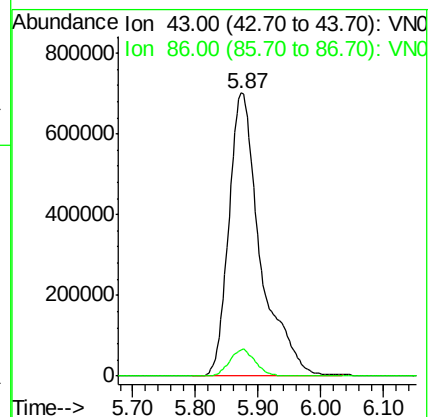
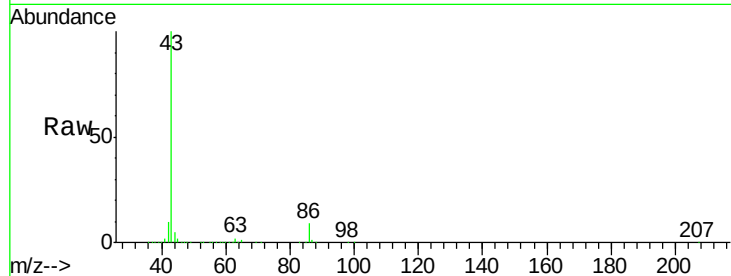
S49-0520MS

Tot Ion: 43 Resp: 2442933

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.2



#24

1,1-Dichloroethane

Concen: 56.560 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

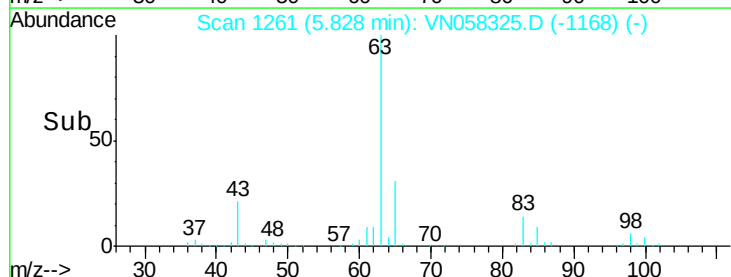
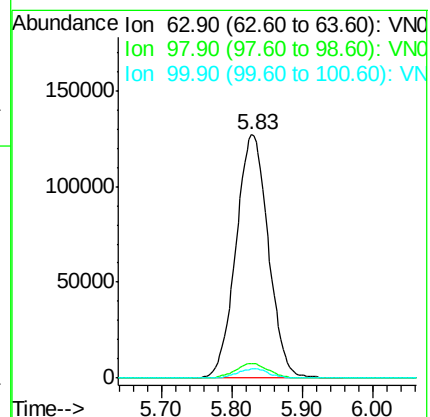
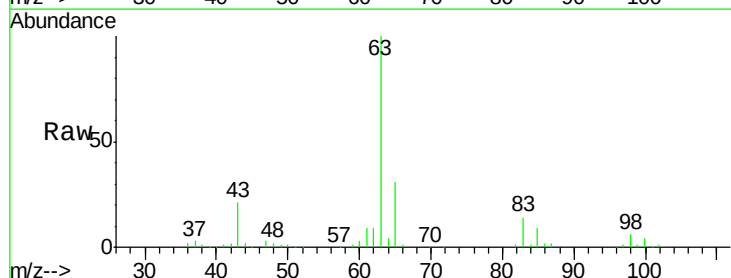
Tgt Ion: 63 Resp: 406471

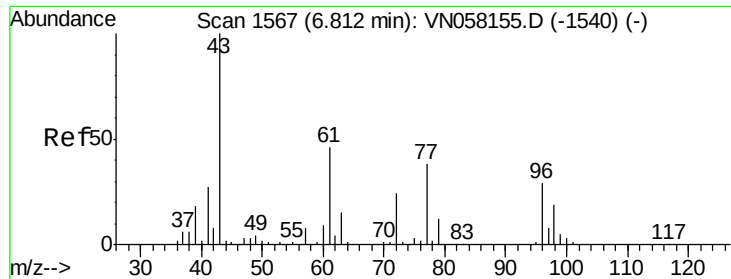
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.7 1.8 5.3





#25

2-Butanone

Concen: 290.595 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

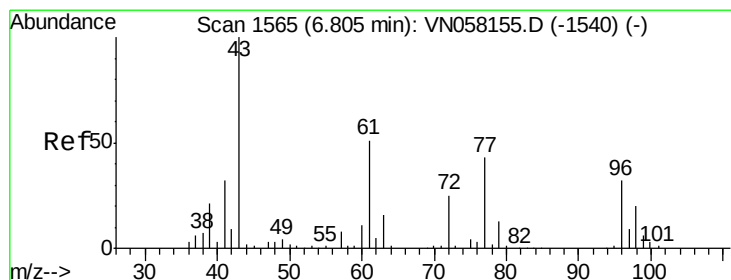
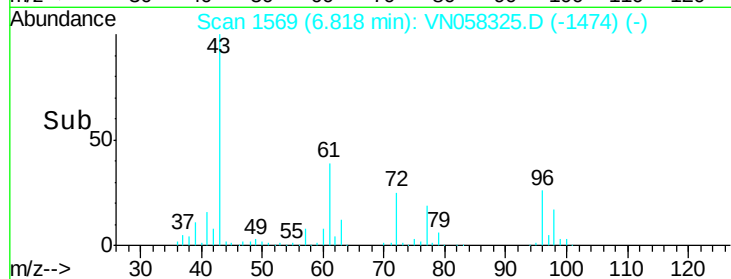
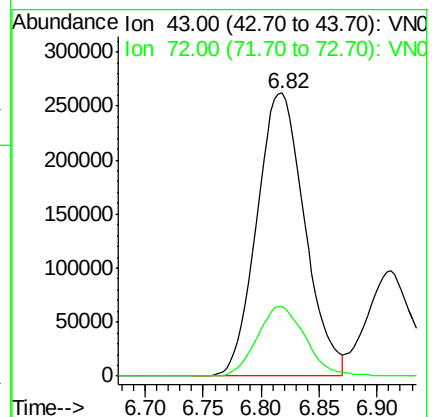
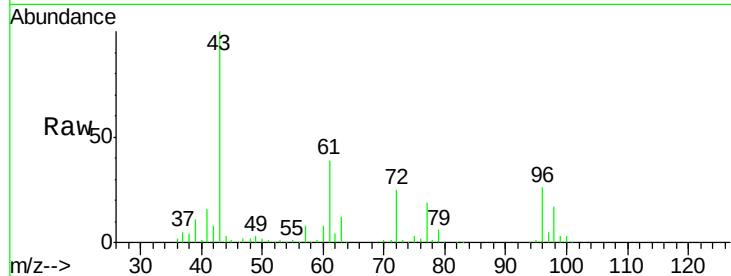
S49-0520MS

Tot Ion: 43 Resp: 750010

Ion Ratio Lower Upper

43 100

72 24.6 19.5 29.3



#26

2,2-Dichloropropane

Concen: 31.256 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058325.D

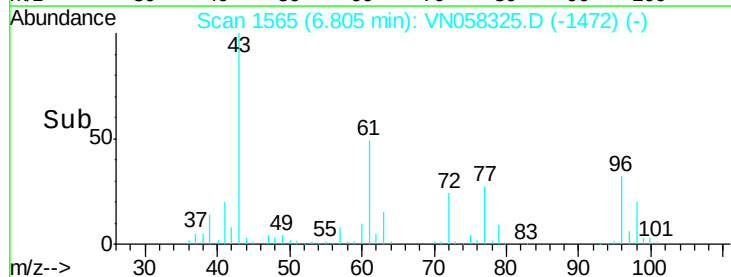
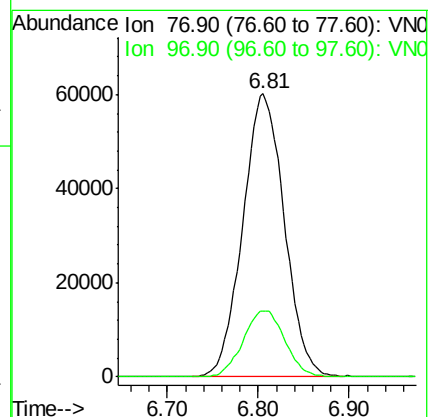
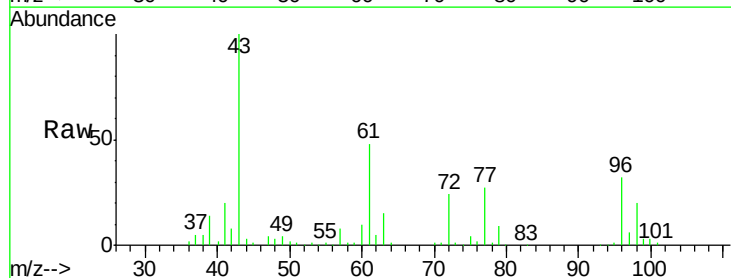
Acq: 24 Sep 2019 4:05

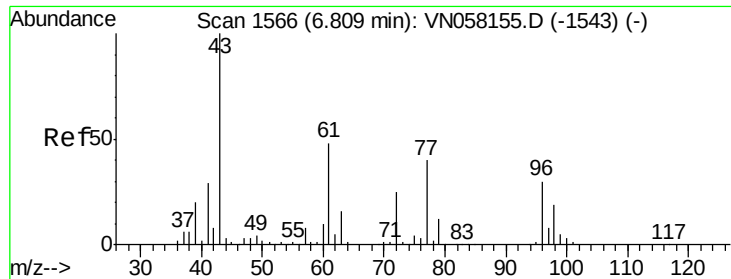
Tgt Ion: 77 Resp: 190565

Ion Ratio Lower Upper

77 100

97 23.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 52.707 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

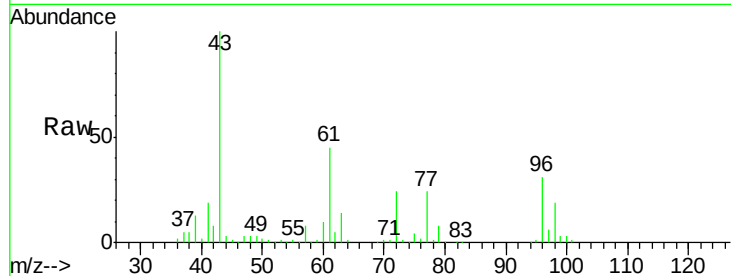
Tot Ion: 96 Resp: 214177

Ion Ratio Lower Upper

96 100

61 152.2 0.0 319.0

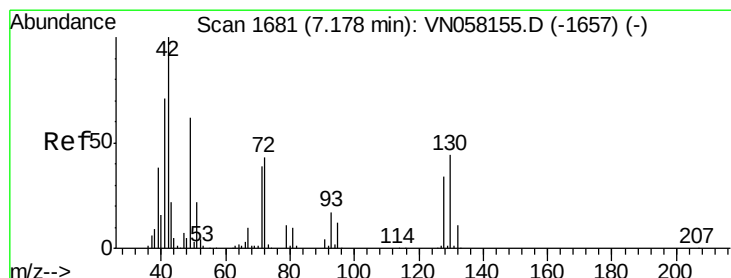
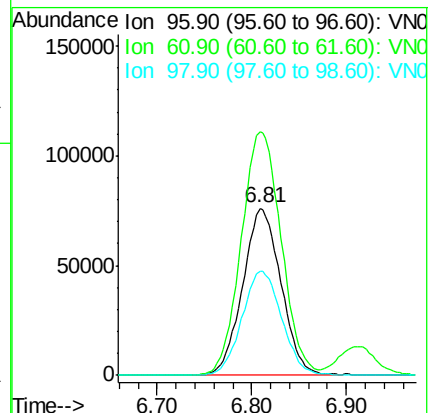
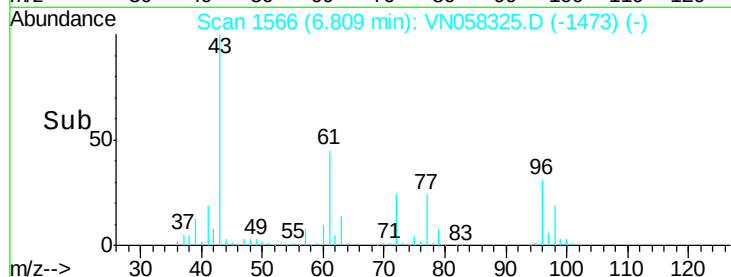
98 64.8 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 61.124 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

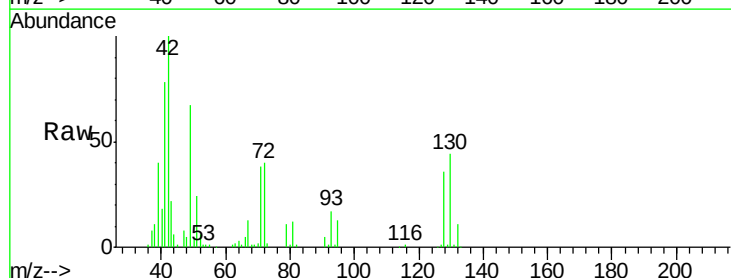
Tgt Ion: 49 Resp: 207803

Ion Ratio Lower Upper

49 100

129 1.8 0.0 1.8#

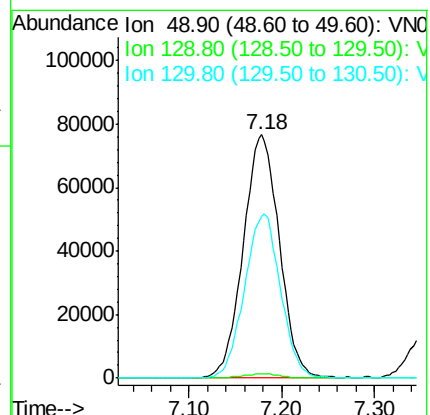
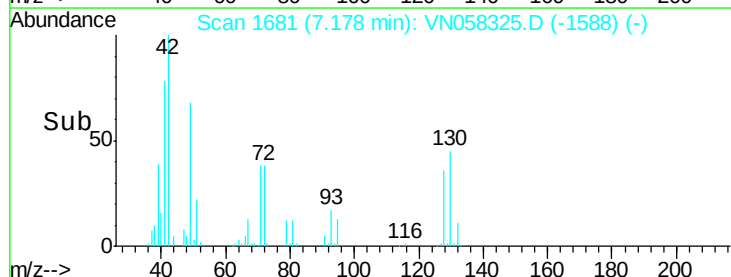
130 67.0 55.4 83.2

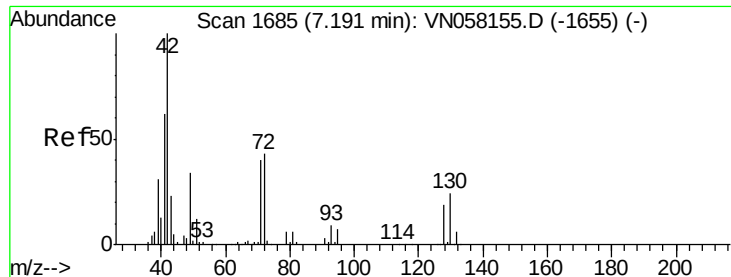


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

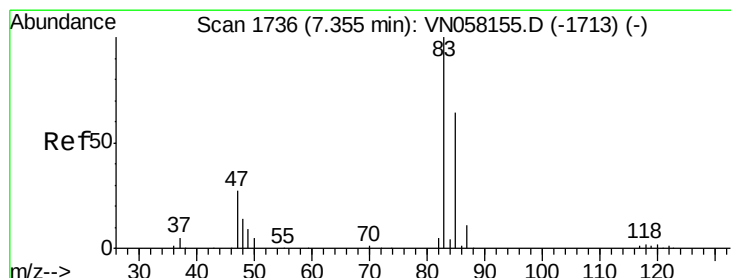
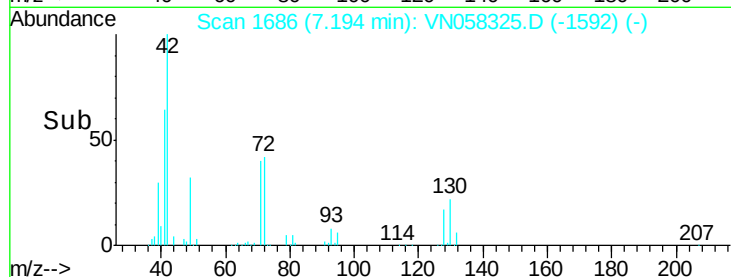
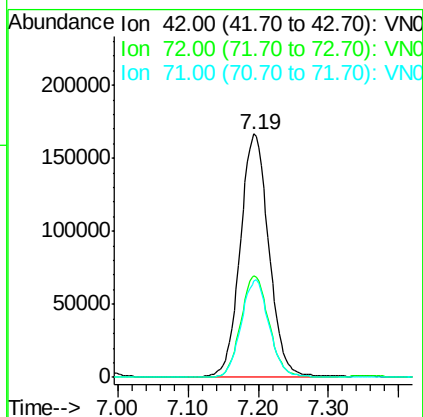
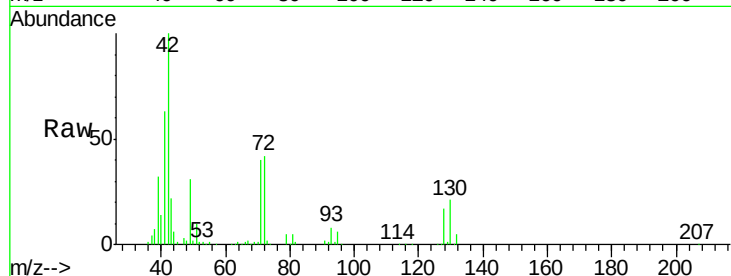




#29
Tetrahydrofuran
Concen: 296.146 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

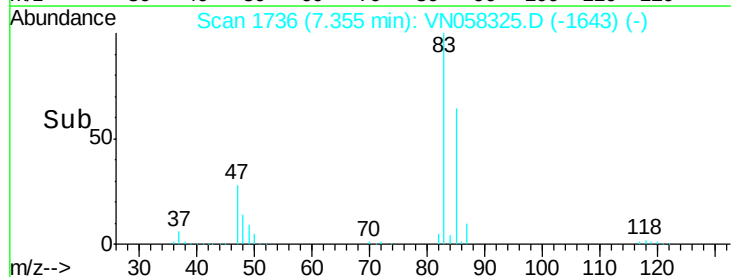
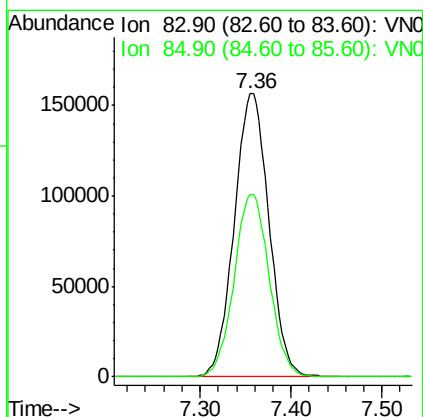
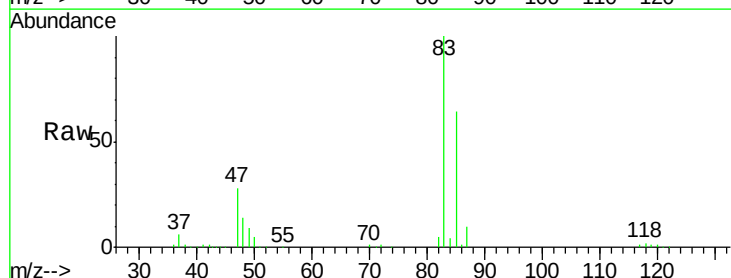
Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

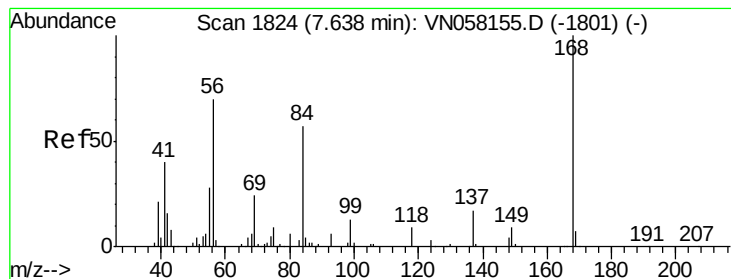
Tot Ion: 42 Resp: 470810
Ion Ratio Lower Upper
42 100
72 41.3 33.8 50.6
71 39.3 31.4 47.0



#30
Chloroform
Concen: 53.601 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 83 Resp: 414640
Ion Ratio Lower Upper
83 100
85 64.4 51.4 77.2





#31

Cyclohexane

Concen: 46.275 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

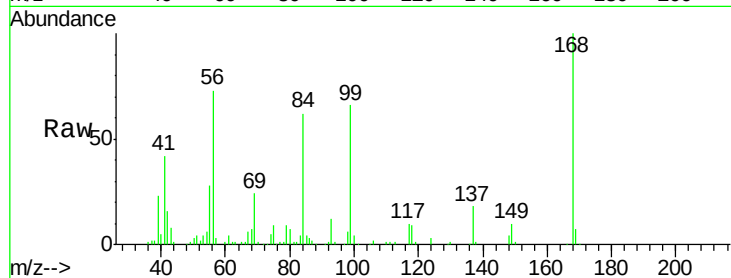
Tot Ion: 56 Resp: 215802

Ion Ratio Lower Upper

56 100

69 33.0 27.3 40.9

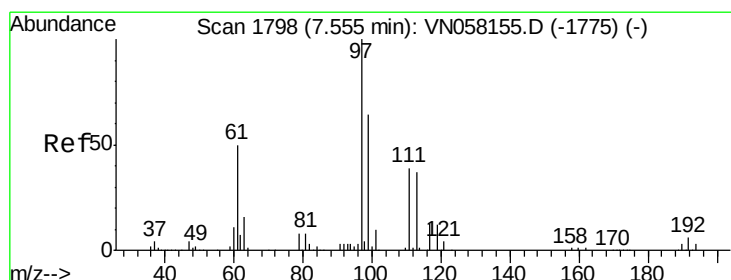
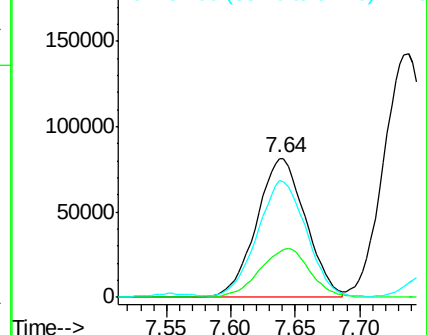
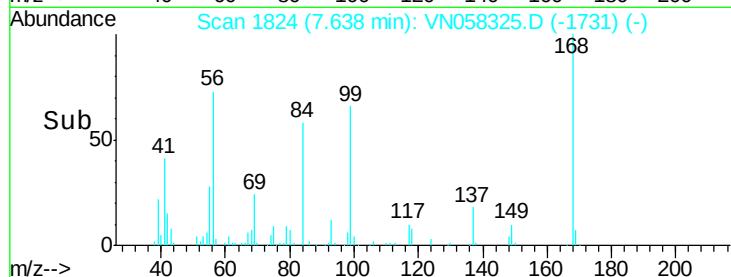
84 82.1 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 53.307 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

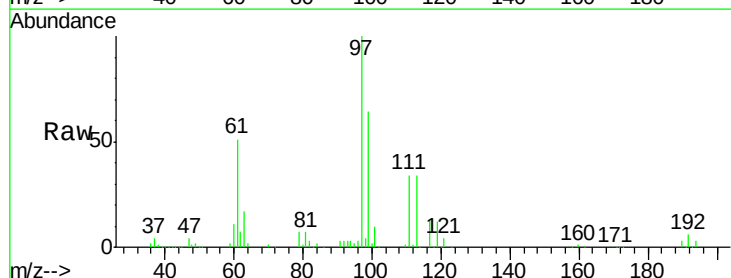
Tgt Ion: 97 Resp: 313925

Ion Ratio Lower Upper

97 100

99 63.4 50.9 76.3

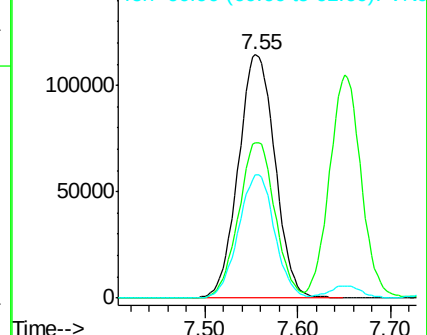
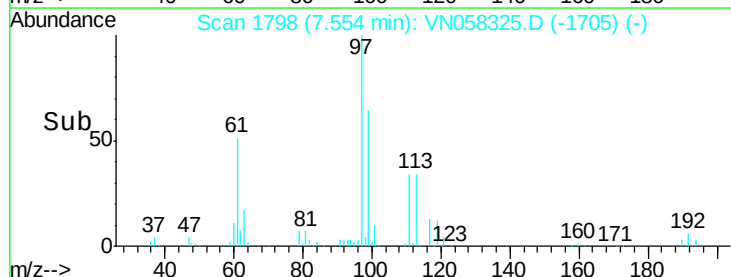
61 49.9 39.2 58.8

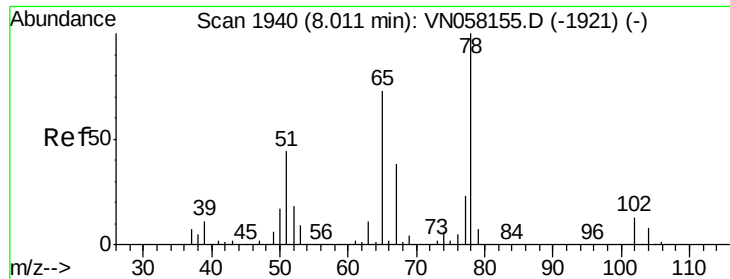


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

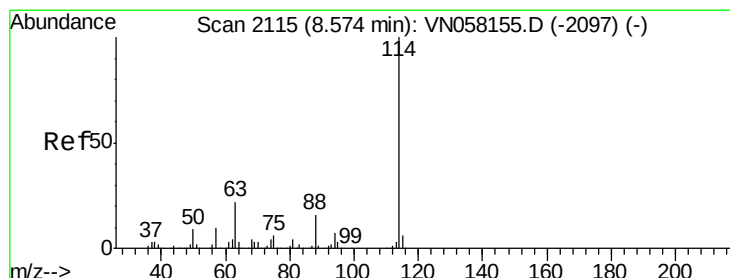
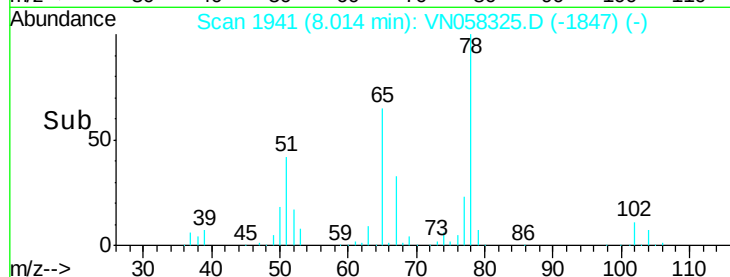
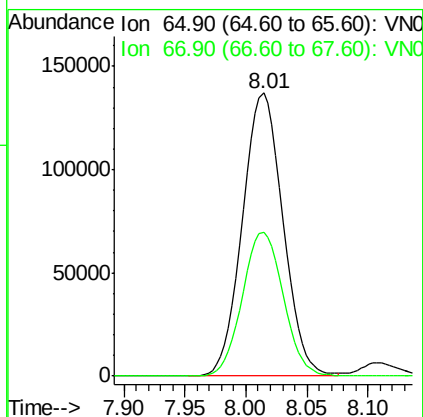
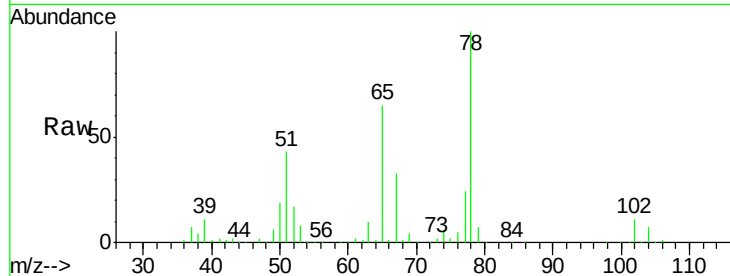




#33
 1,2-Dichloroethane-d4
 Concen: 56.493 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

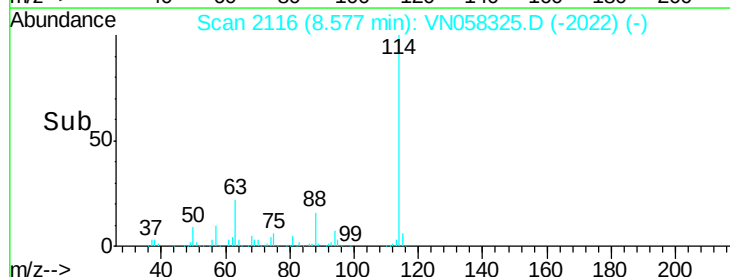
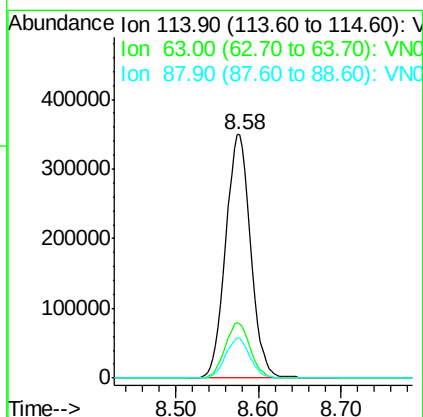
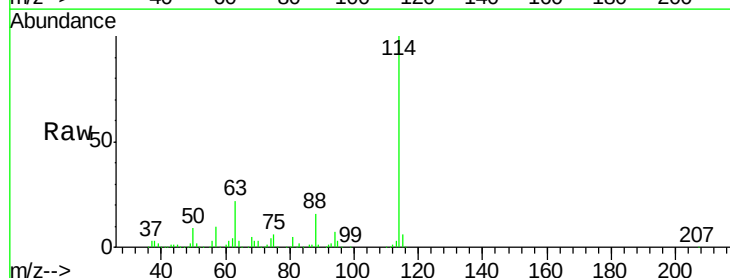
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

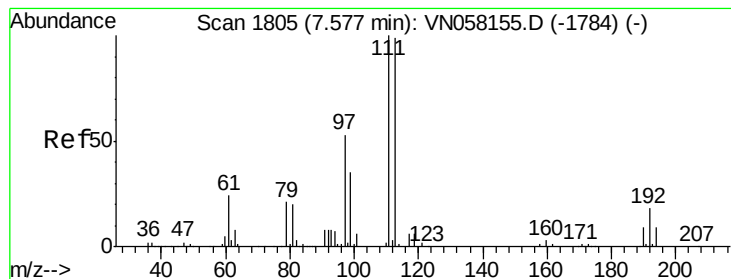
Tot Ion: 65 Resp: 315292
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion: 114 Resp: 732573
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.983 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

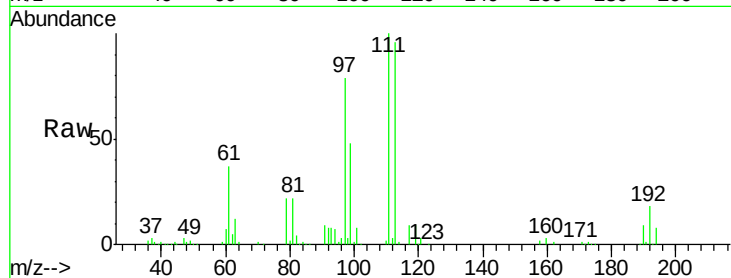
Tot Ion:113 Resp: 227051

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

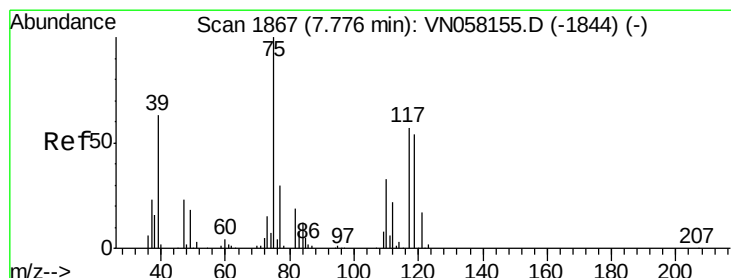
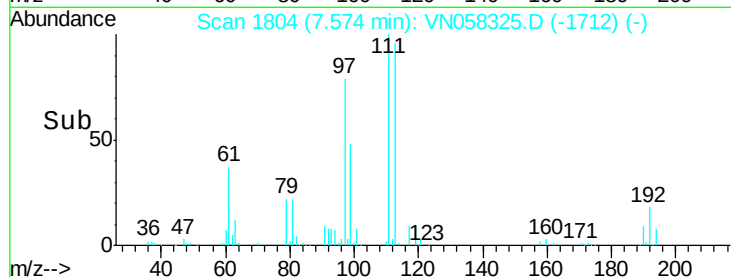
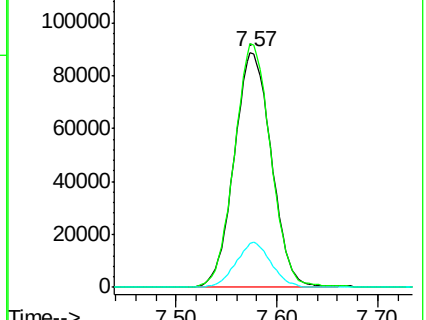
192 18.2 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 42.759 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

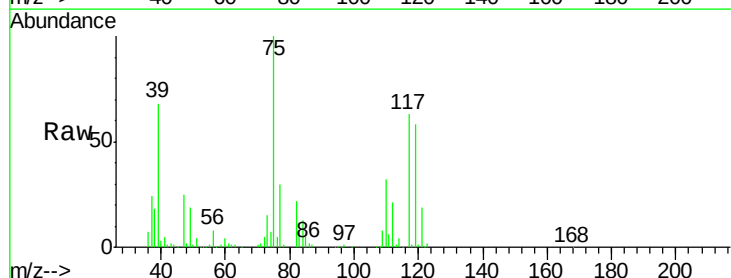
Tgt Ion: 75 Resp: 225894

Ion Ratio Lower Upper

75 100

110 33.3 16.6 49.7

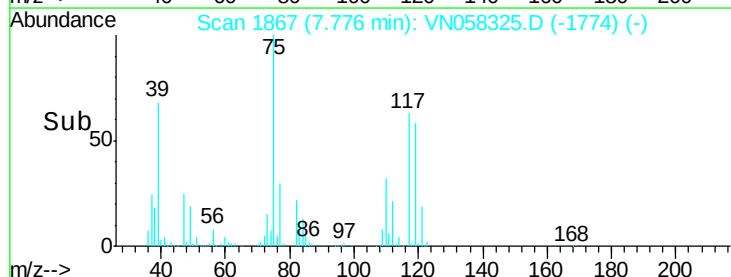
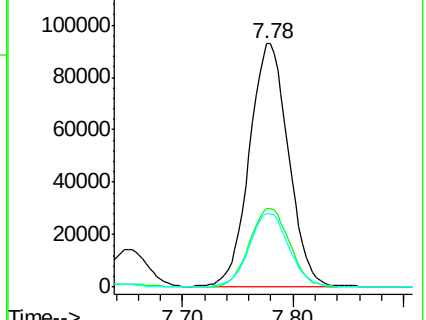
77 31.3 24.3 36.5

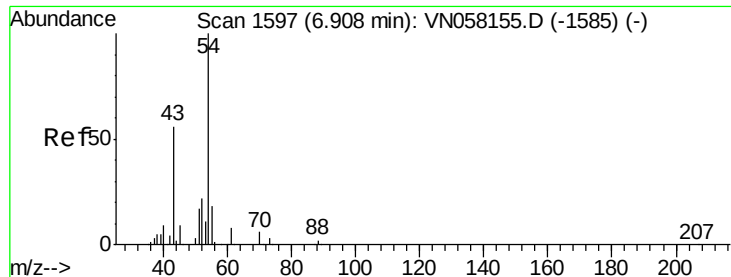


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

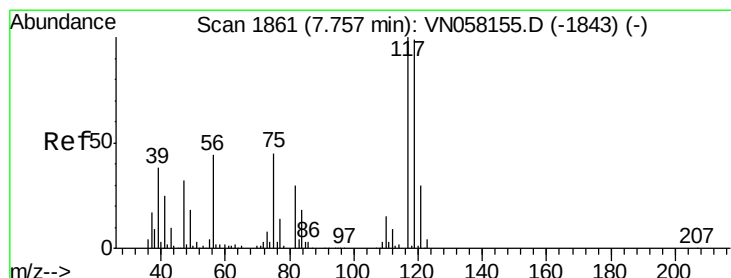
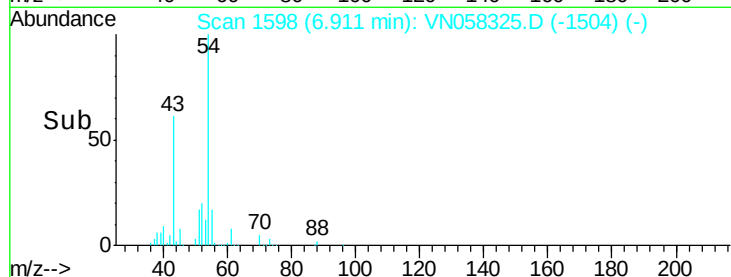
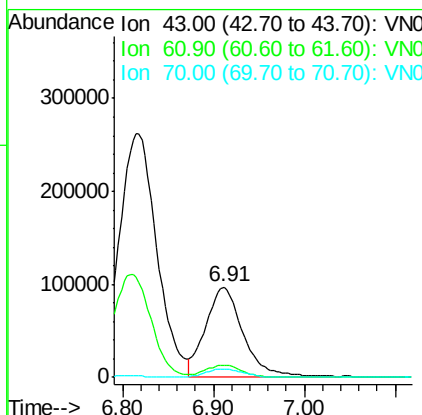
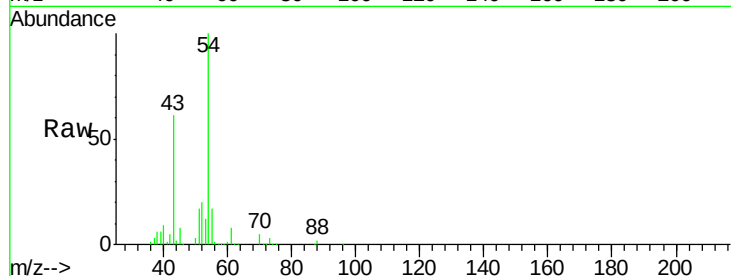




#37
Ethyl Acetate
Concen: 49.782 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

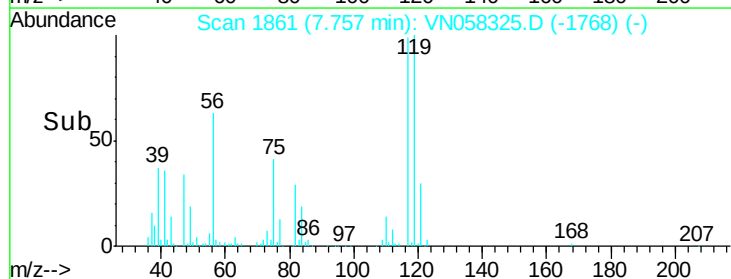
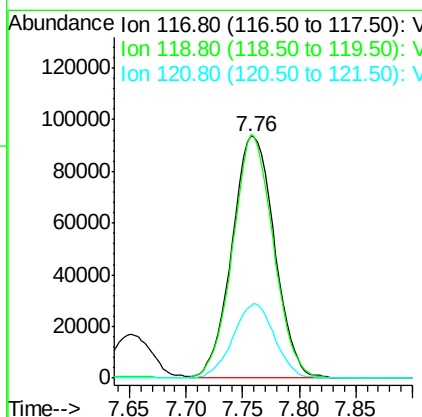
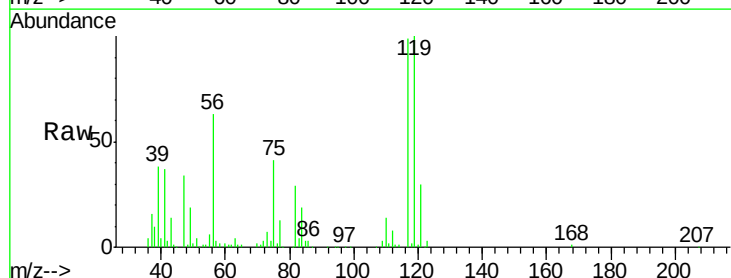
Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

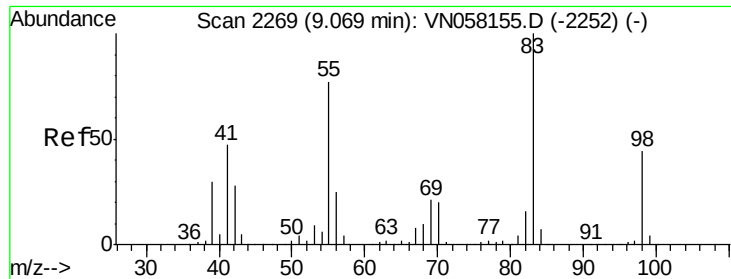
Tot Ion: 43 Resp: 272929
Ion Ratio Lower Upper
43 100
61 12.9 10.7 16.1
70 9.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 45.977 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 117 Resp: 244161
Ion Ratio Lower Upper
117 100
119 100.5 78.6 117.8
121 30.1 24.1 36.1

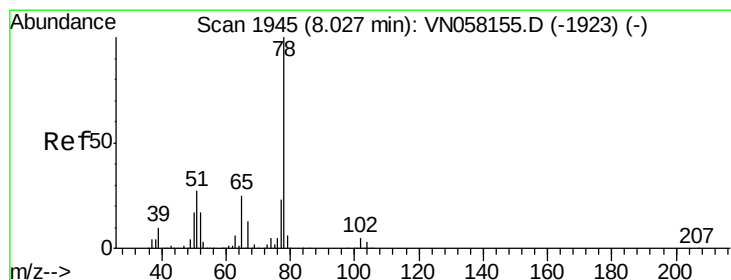
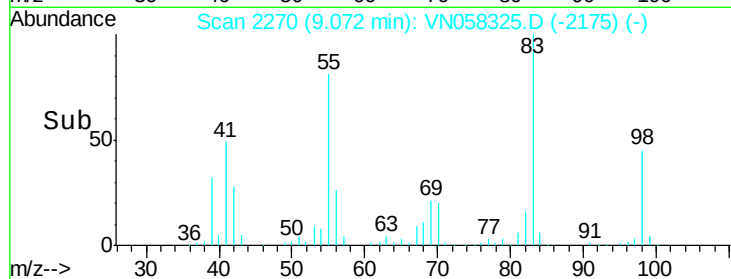
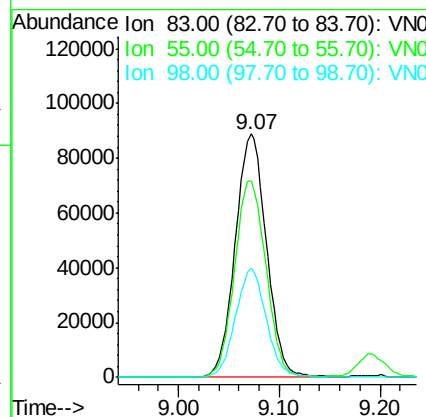
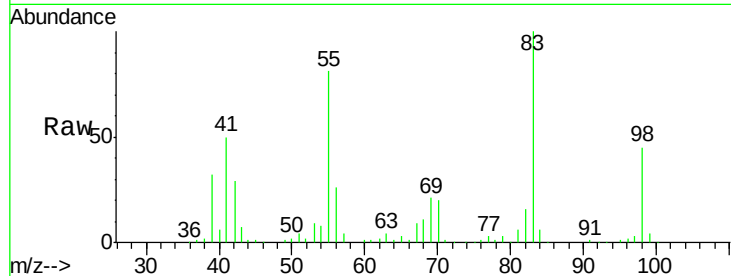




#39
Methylvlcyclohexane
Concen: 37.509 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

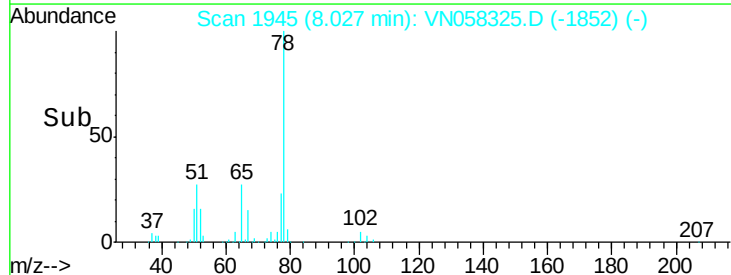
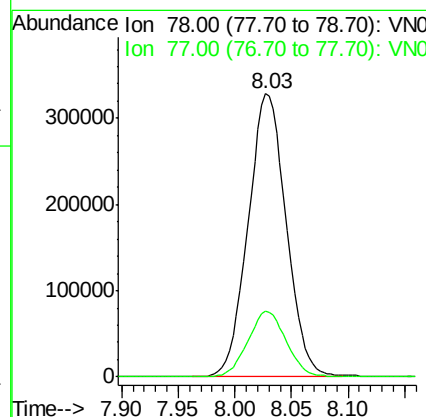
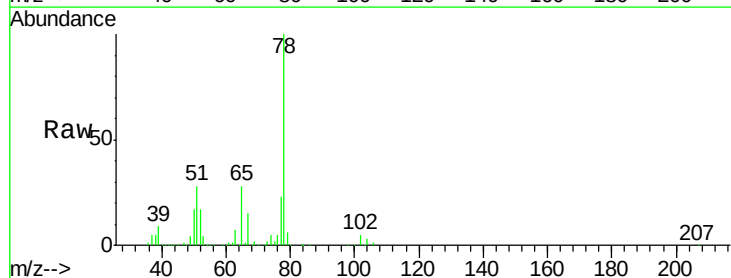
Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

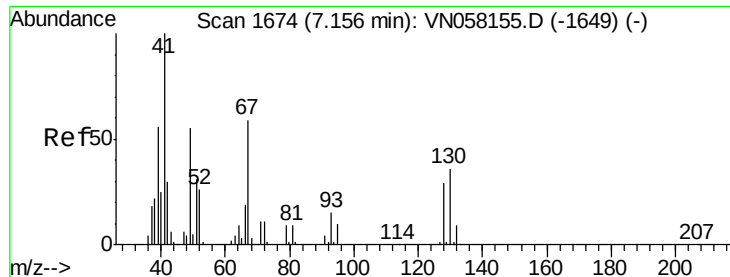
Tot Ion	83.00	Resp	191503
Ion	Ratio	Lower	Upper
83	100		
55	80.8	61.9	92.9
98	44.8	35.4	53.2



#40
Benzene
Concen: 47.665 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	78.00	Resp	769121
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

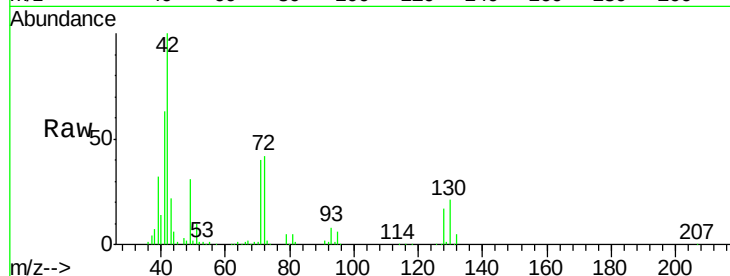




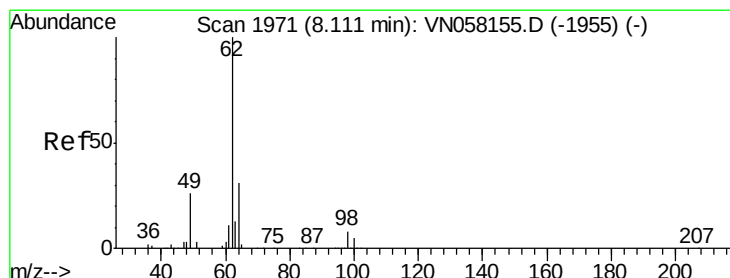
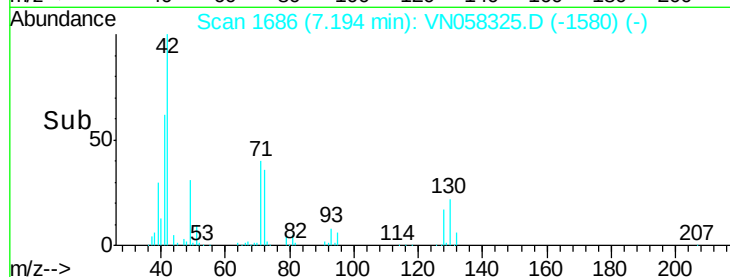
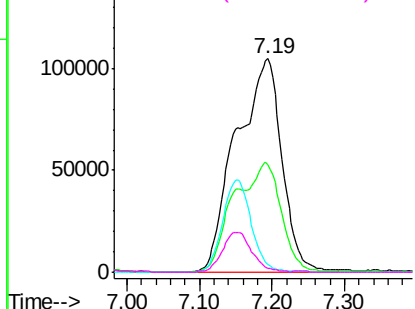
#41
Methacrylonitrile
Concen: 163.895 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion:	41	Resp:	458508
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

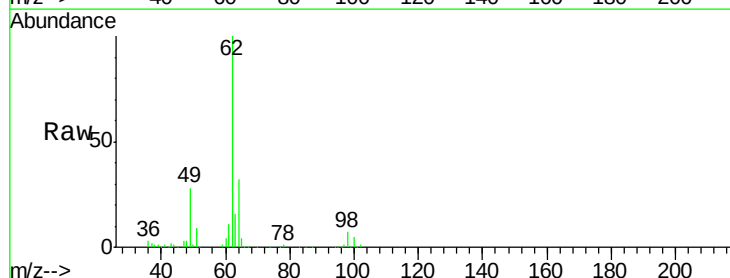


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

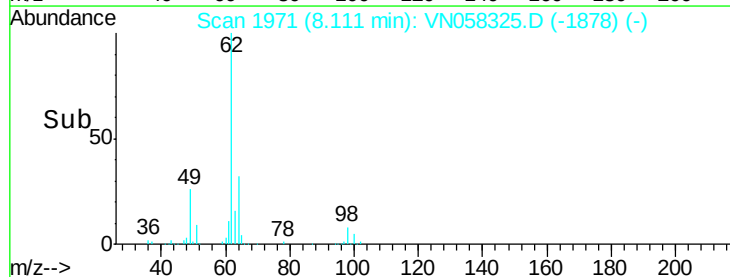
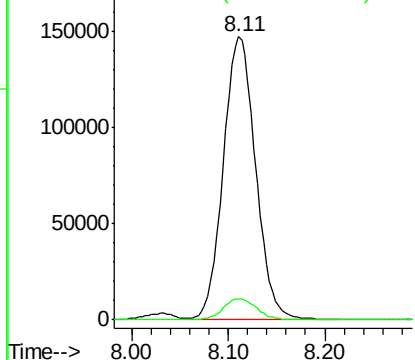


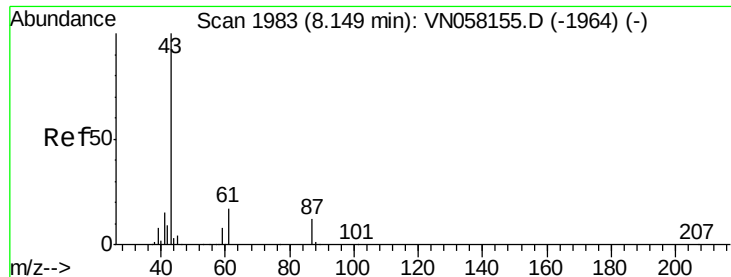
#42
1,2-Dichloroethane
Concen: 50.464 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion:	62	Resp:	341679
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.147 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

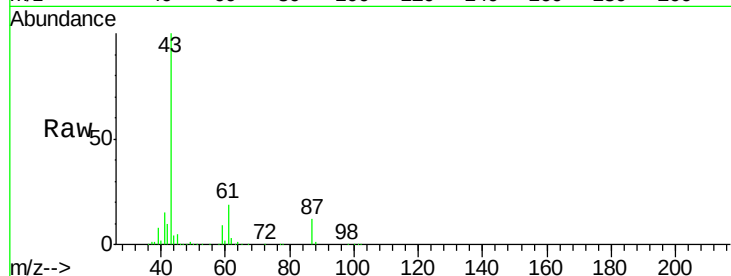
Tot Ion: 43 Resp: 533949

Ion Ratio Lower Upper

43 100

61 23.6 19.7 29.5

87 11.1 9.4 14.2

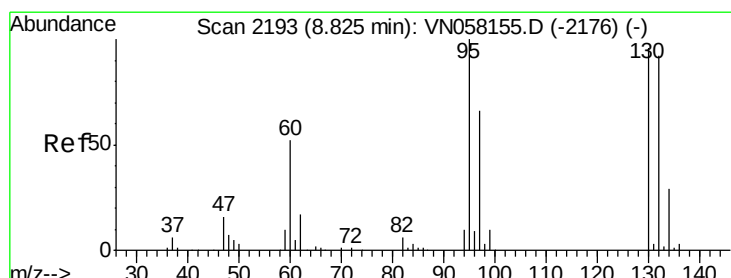
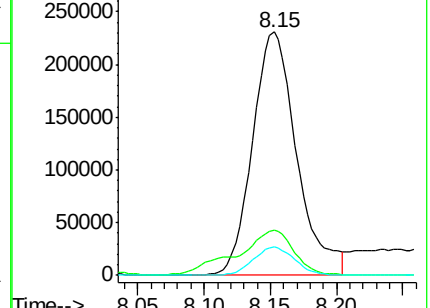
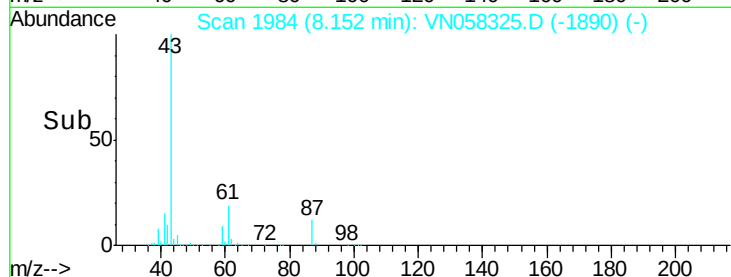


Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)

8.15



#44

Trichloroethene

Concen: 46.377 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058325.D

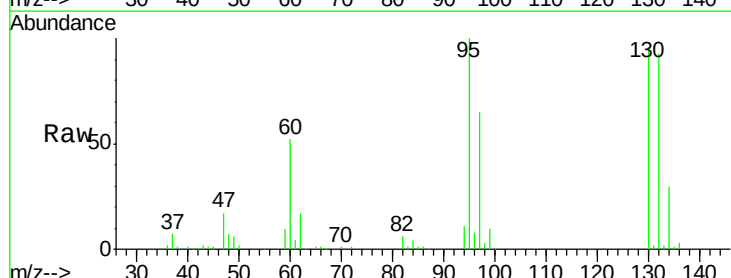
Acq: 24 Sep 2019 4:05

Tgt Ion: 130 Resp: 183125

Ion Ratio Lower Upper

130 100

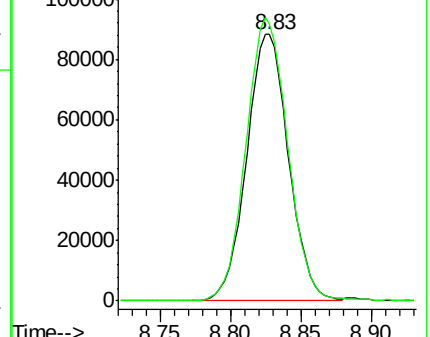
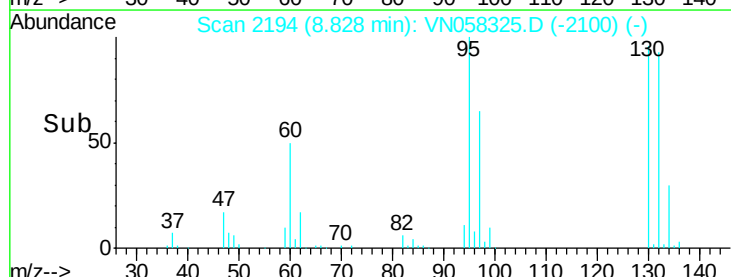
95 104.1 0.0 207.8

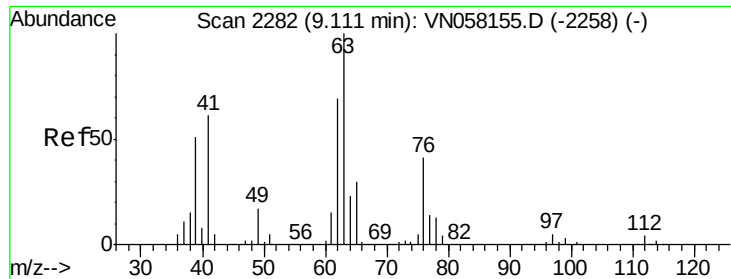


Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

8.83

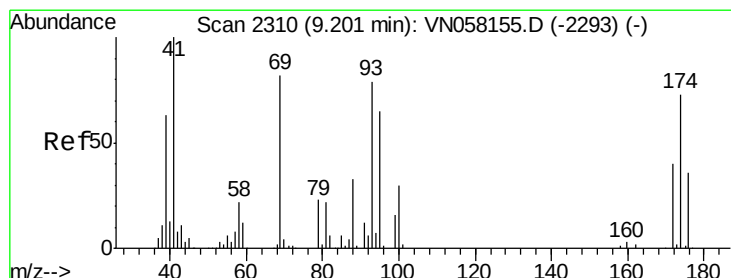
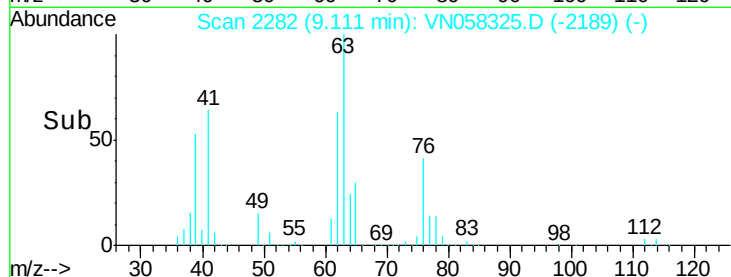
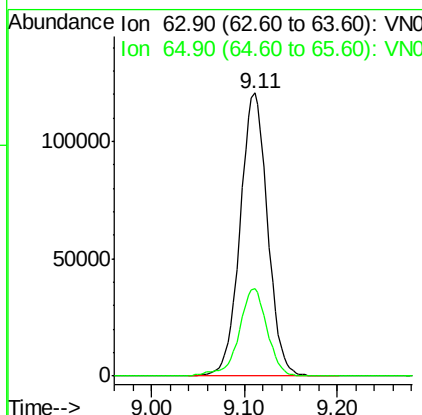
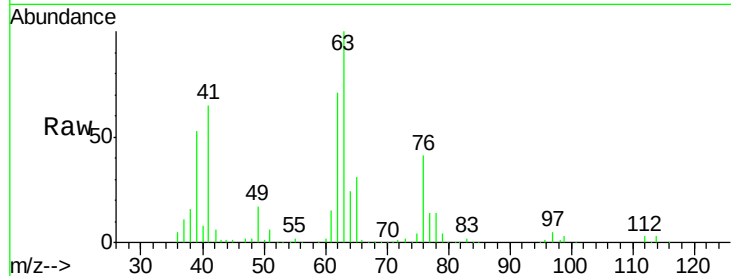




#45
 1,2-Dichloropropane
 Concen: 51.451 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

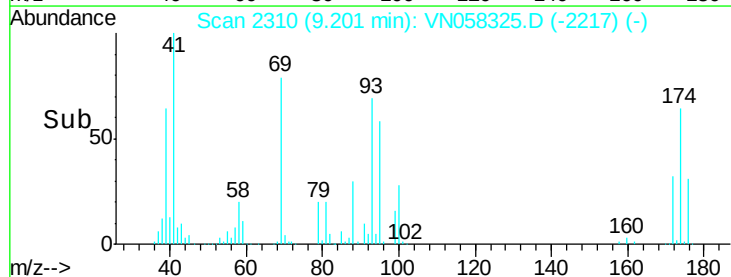
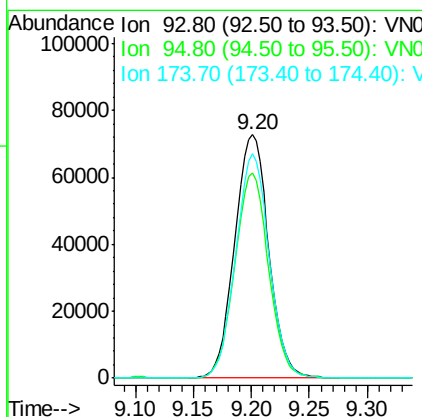
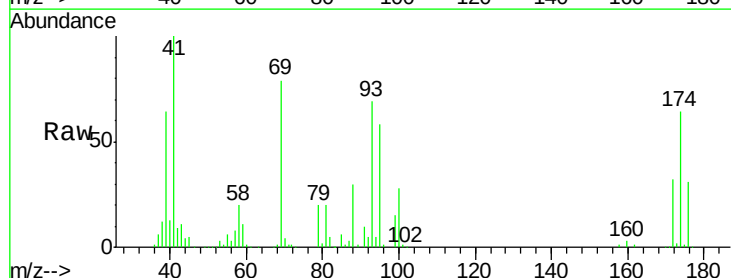
Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MS

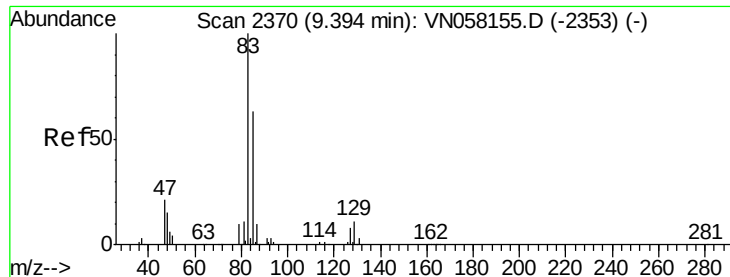
Tot Ion: 63 Resp: 247934
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#46
 Dibromomethane
 Concen: 50.656 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion: 93 Resp: 148410
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.8 100.2
 174 90.7 73.8 110.8





#47

Bromodichloromethane

Concen: 53.126 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

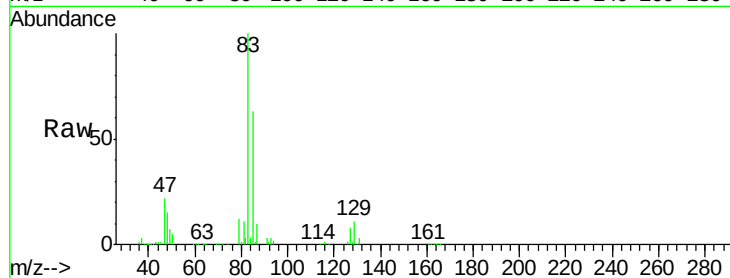
Tot Ion: 83 Resp: 326075

Ion Ratio Lower Upper

83 100

85 63.1 50.1 75.1

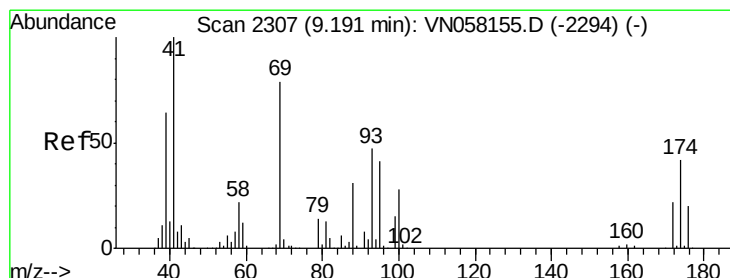
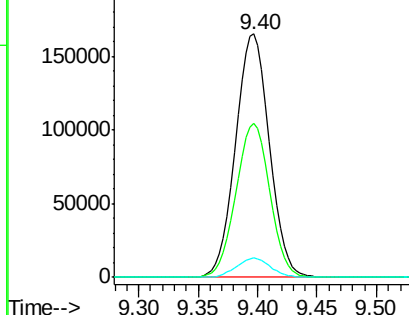
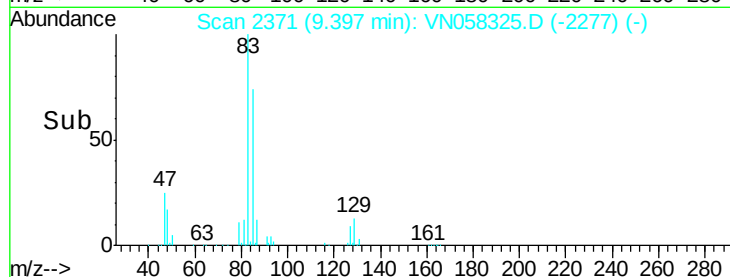
127 7.8 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.963 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

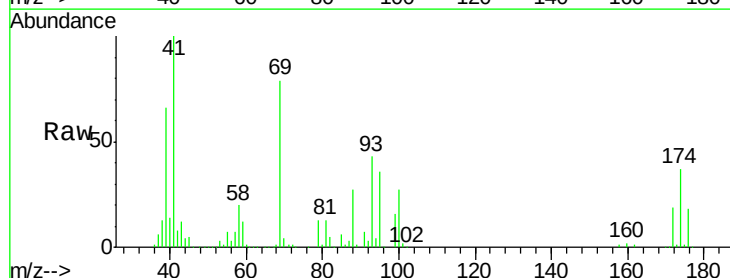
Tgt Ion: 41 Resp: 255527

Ion Ratio Lower Upper

41 100

69 78.9 62.5 93.7

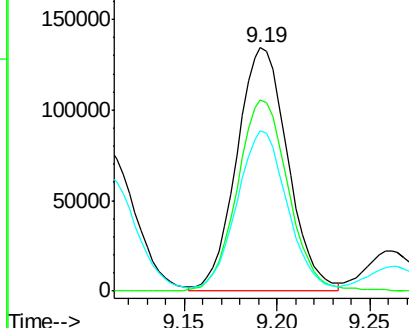
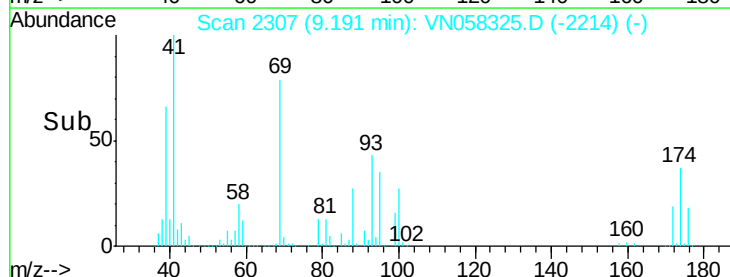
39 65.1 52.3 78.5

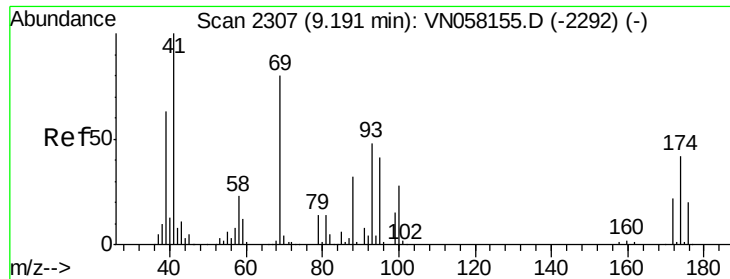


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

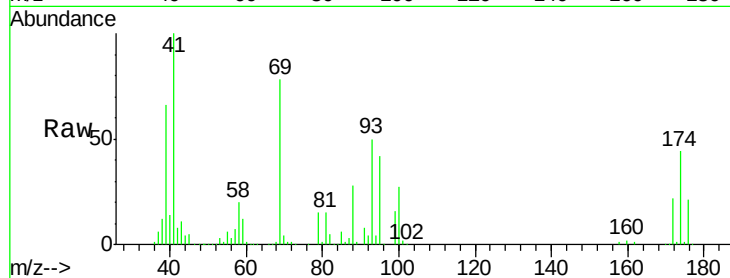




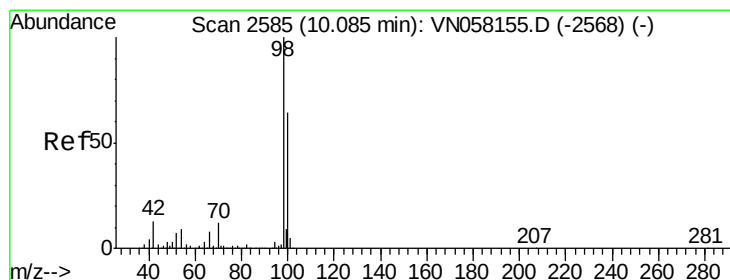
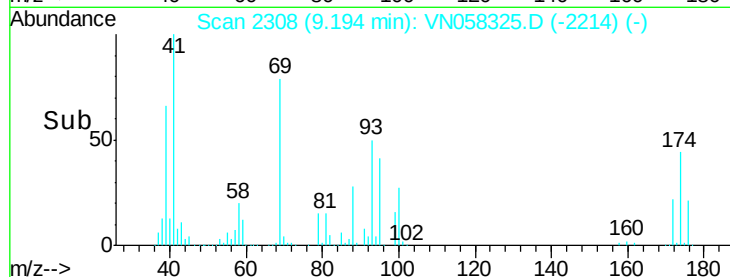
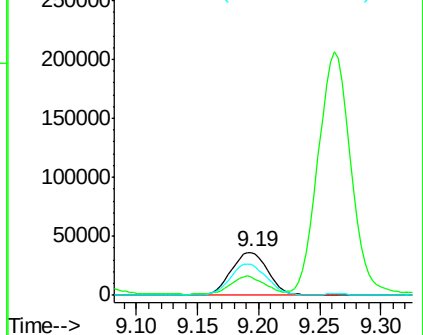
#49
1,4-Dioxane
Concen: 1011.759 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

Tot Ion: 88 Resp: 77226
Ion Ratio Lower Upper
88 100
43 38.5 27.8 41.8
58 71.9 55.0 82.4

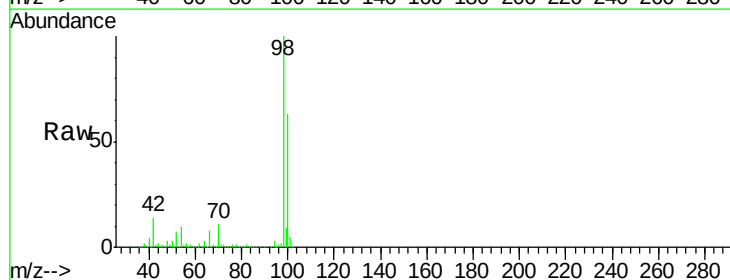


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

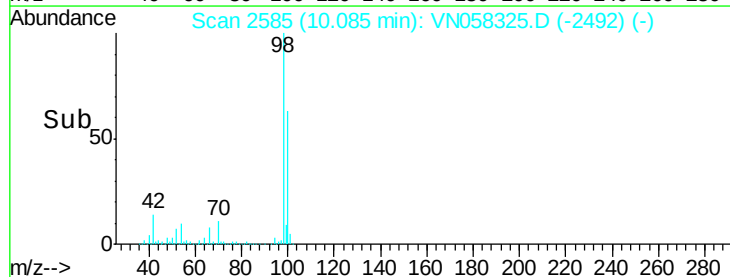
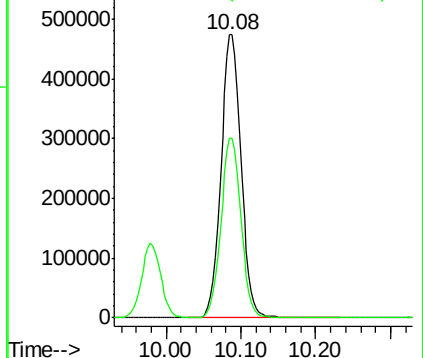


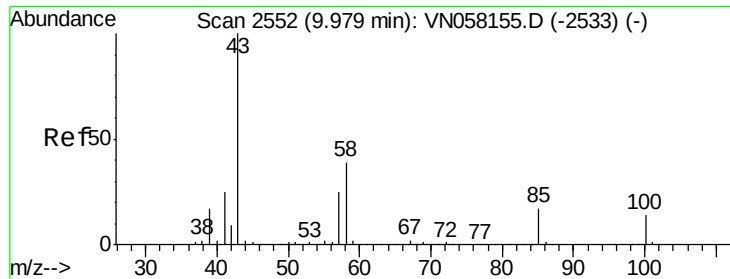
#50
Toluene-d8
Concen: 50.386 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 98 Resp: 874282
Ion Ratio Lower Upper
98 100
100 62.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 314.665 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

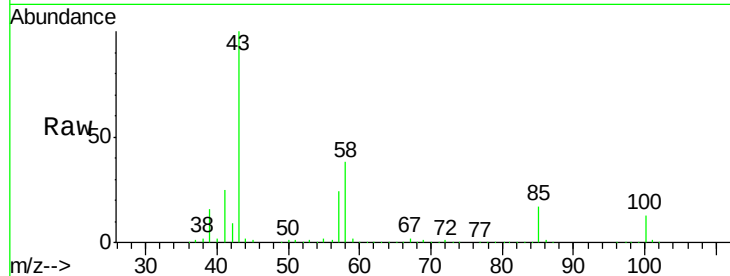
S49-0520MS

Tot Ion: 43 Resp: 1711341

Ion Ratio Lower Upper

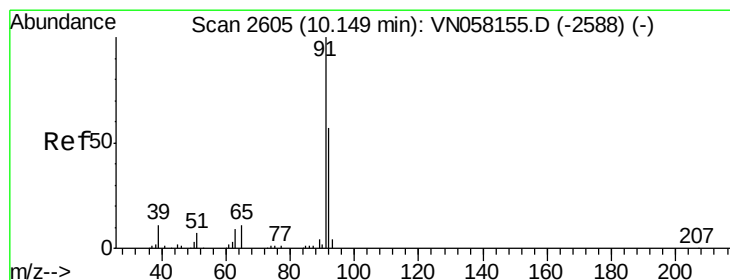
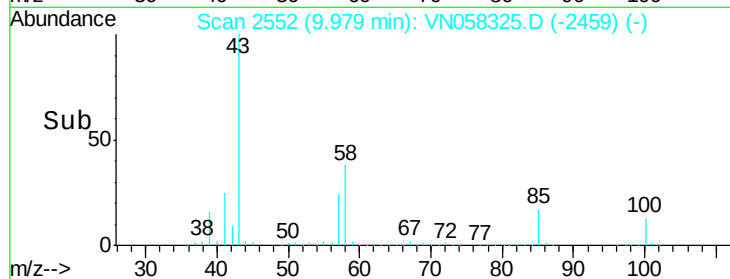
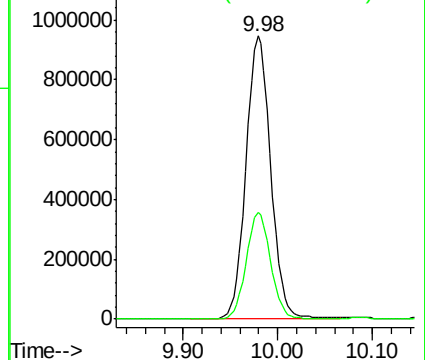
43 100

58 37.3 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.957 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058325.D

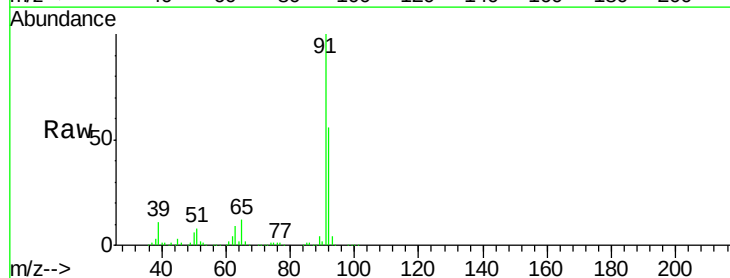
Acq: 24 Sep 2019 4:05

Tgt Ion: 92 Resp: 484970

Ion Ratio Lower Upper

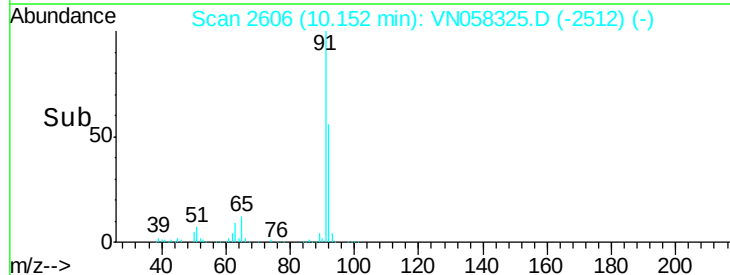
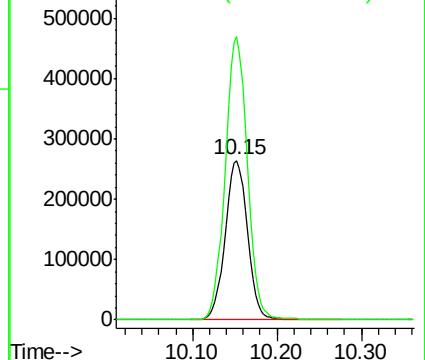
92 100

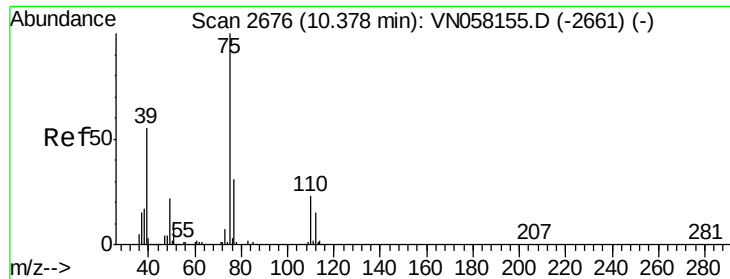
91 176.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.239 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

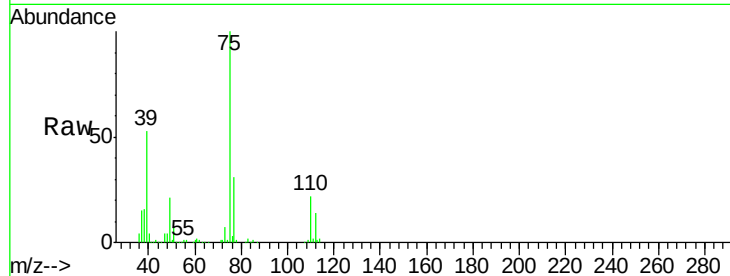
S49-0520MS

Tot Ion: 75 Resp: 315863

Ion Ratio Lower Upper

75 100

77 30.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

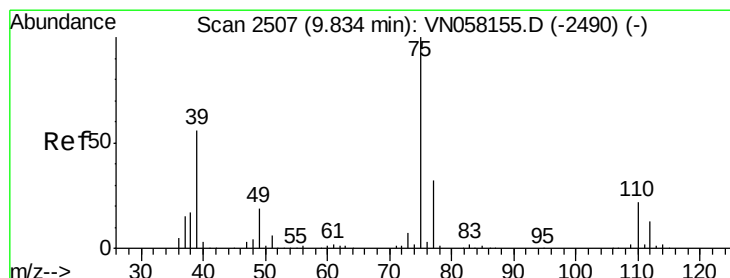
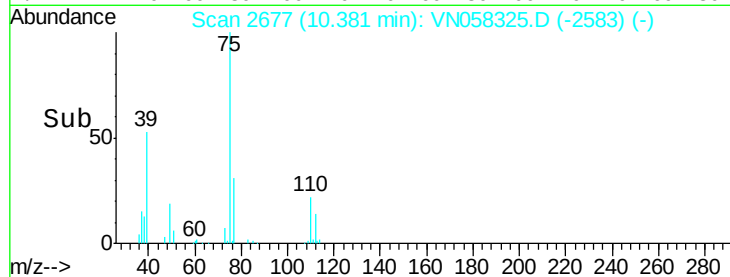
150000

100000

50000

0

Time--> 10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 47.959 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

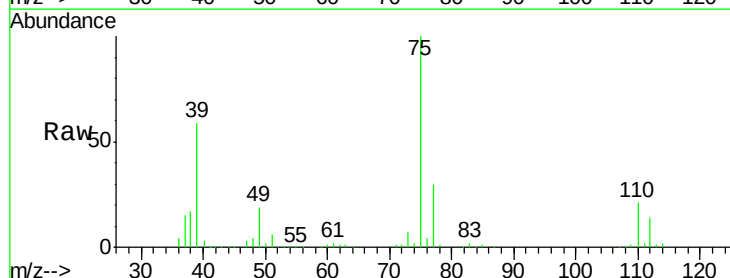
Tgt Ion: 75 Resp: 332904

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 58.5 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

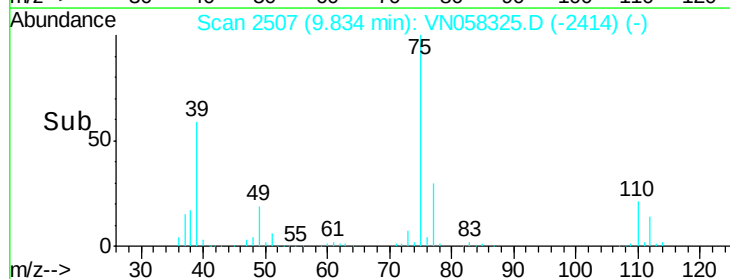
150000

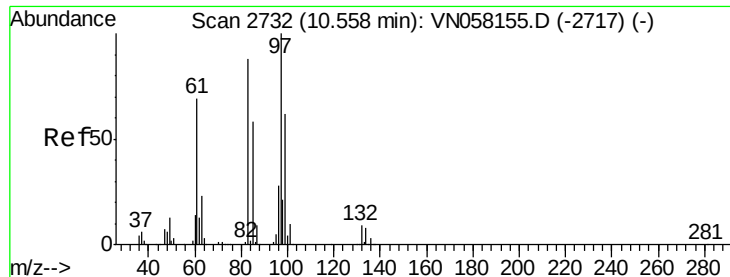
100000

50000

0

Time--> 9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 53.904 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion: 97 Resp: 241905

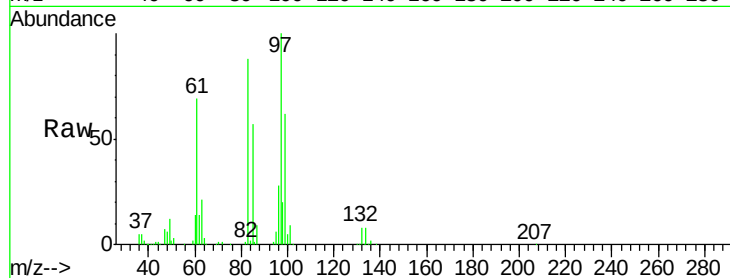
Ion Ratio Lower Upper

97 100

83 87.6 70.4 105.6

85 57.3 46.8 70.2

99 61.9 49.9 74.9



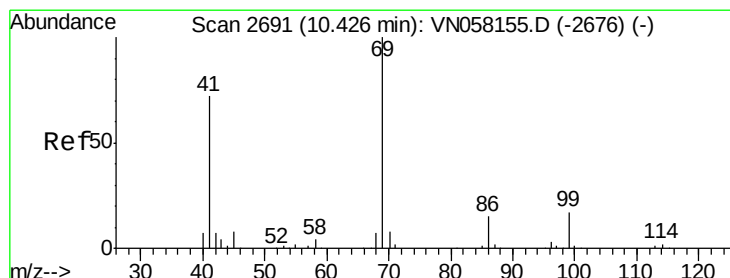
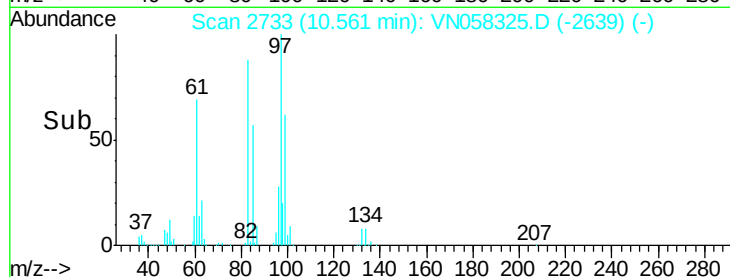
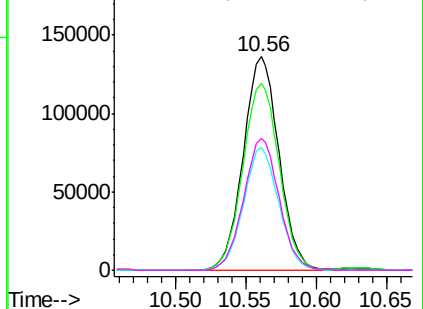
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.029 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

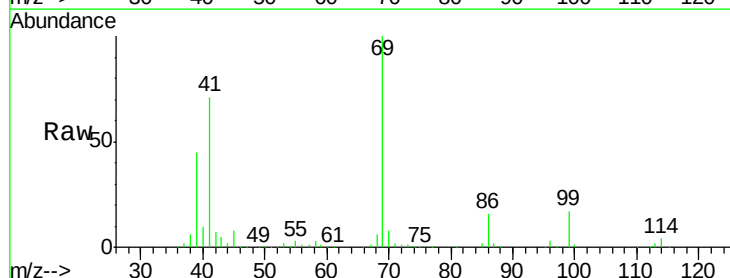
Tgt Ion: 69 Resp: 356309

Ion Ratio Lower Upper

69 100

41 71.3 57.5 86.3

39 45.1 36.1 54.1

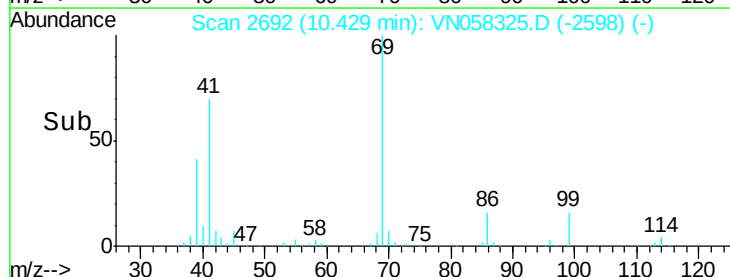
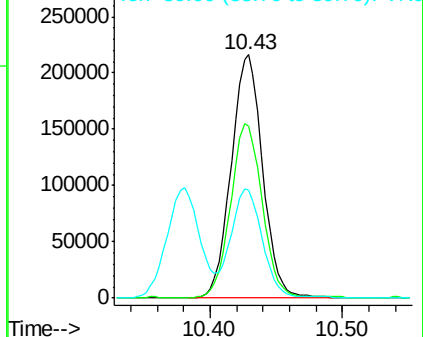


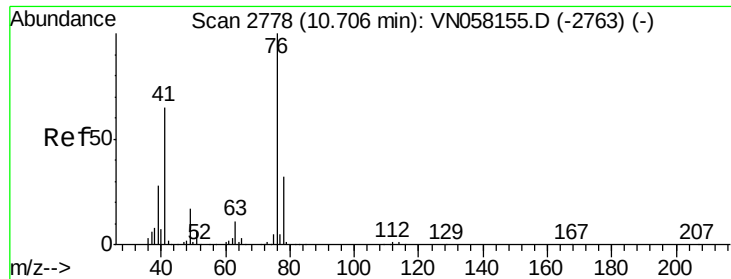
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

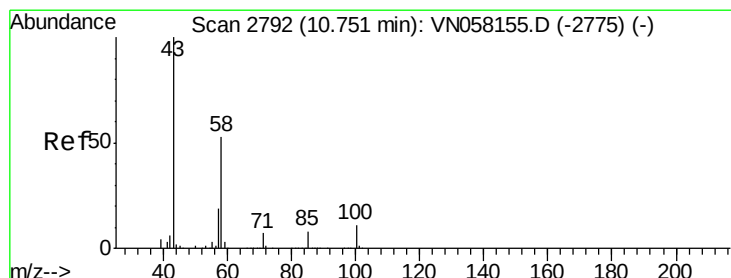
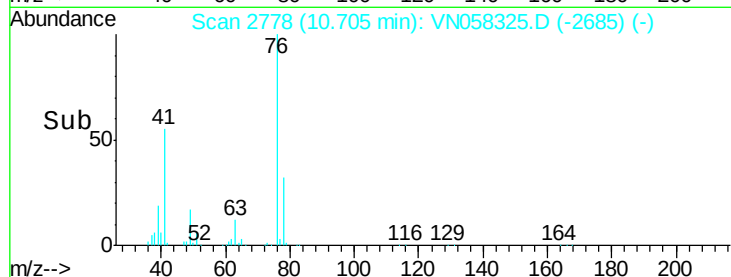
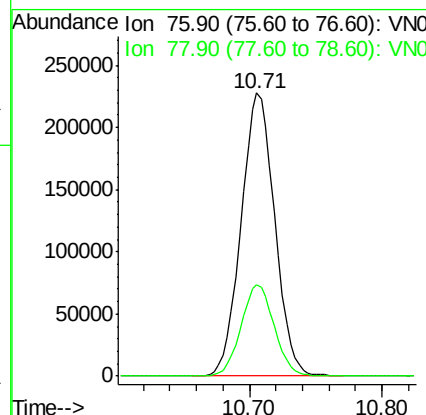
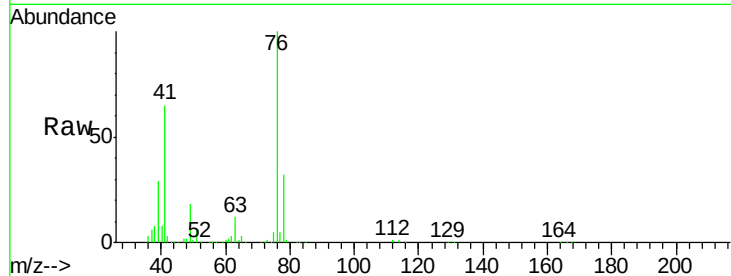




#57
 1,3-Dichloropropane
 Concen: 51.871 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

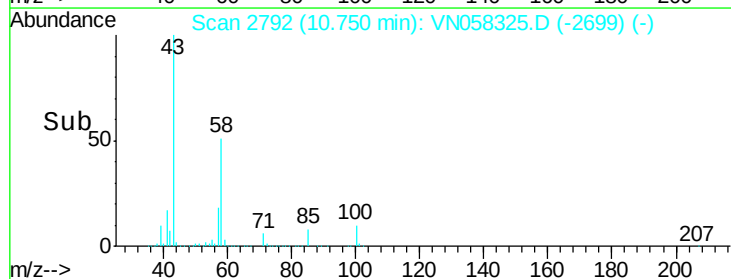
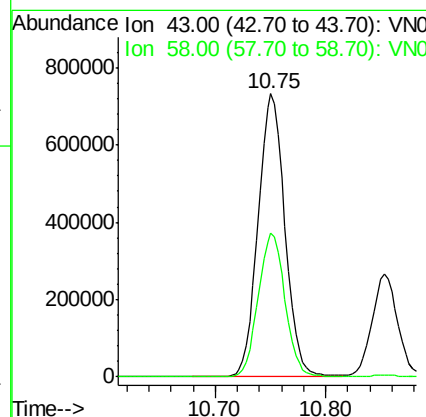
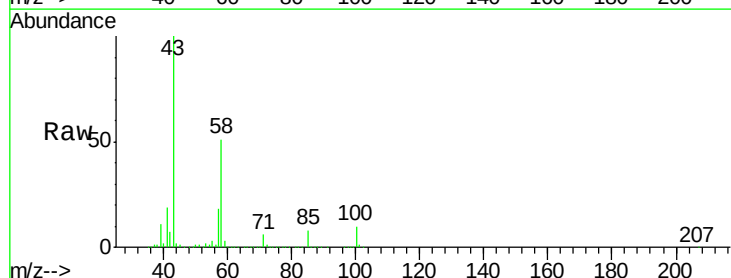
Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MS

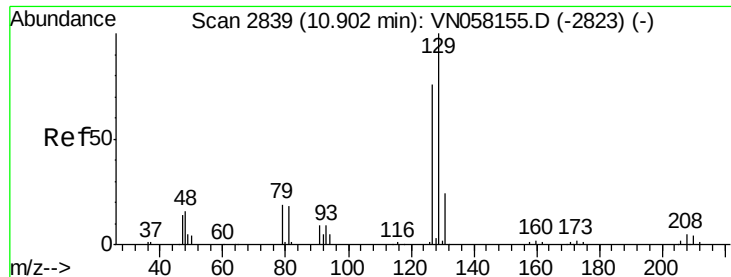
Tot Ion: 76 Resp: 400176
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#59
 2-Hexanone
 Concen: 305.053 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion: 43 Resp: 1232173
 Ion Ratio Lower Upper
 43 100
 58 51.0 26.0 78.0





#60

Dibromochloromethane

Concen: 55.656 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

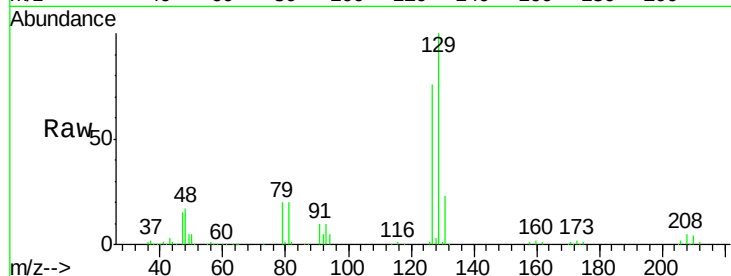
S49-0520MS

Tot Ion:129 Resp: 240289

Ion Ratio Lower Upper

129 100

127 76.5 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

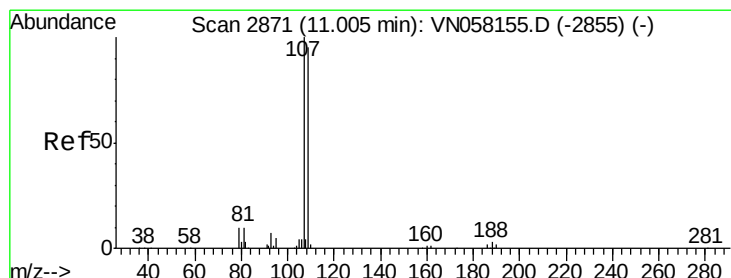
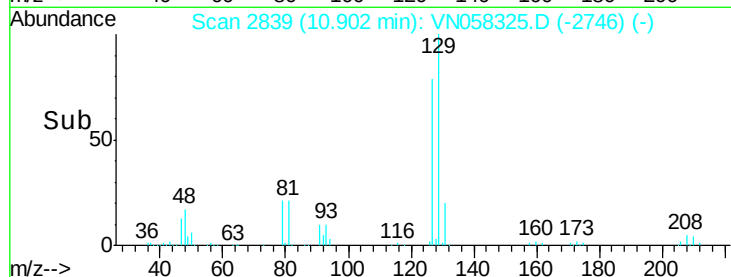
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 52.596 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058325.D

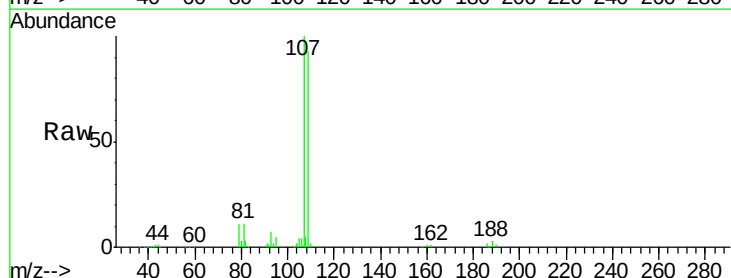
Acq: 24 Sep 2019 4:05

Tgt Ion:107 Resp: 218743

Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

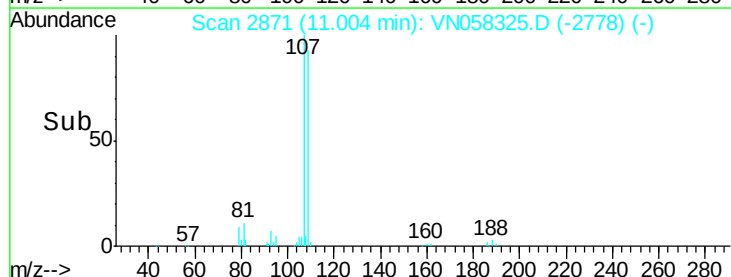
11.00

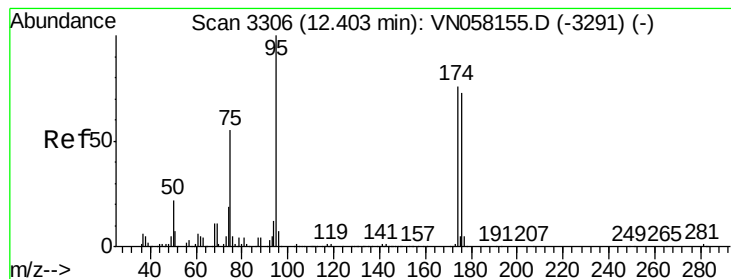
100000

50000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 49.816 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

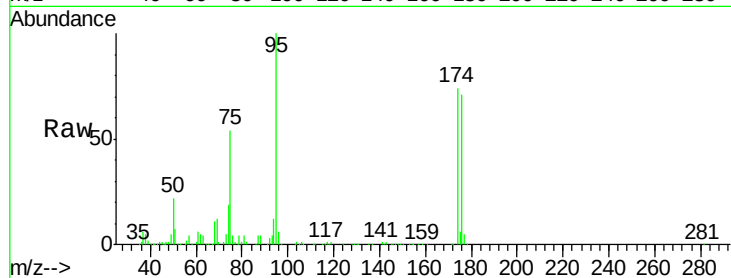
Tot Ion: 95 Resp: 321083

Ion Ratio Lower Upper

95 100

174 75.7 0.0 152.2

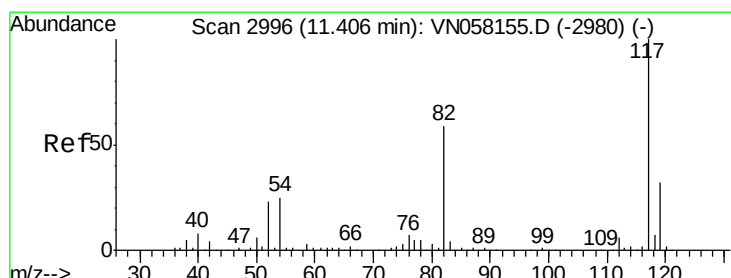
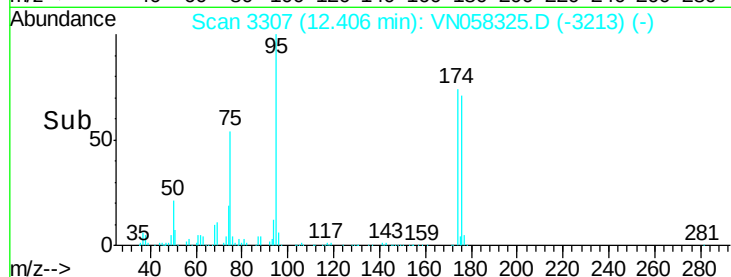
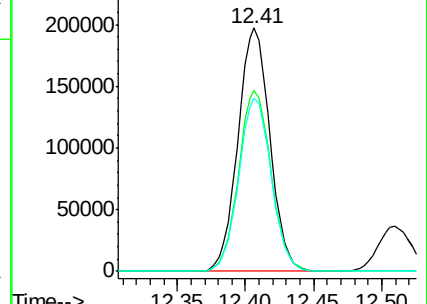
176 72.2 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

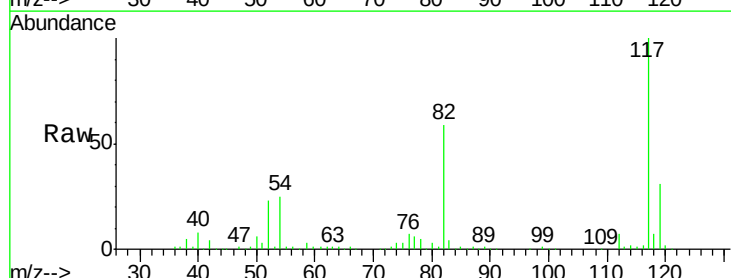
Tgt Ion: 117 Resp: 675261

Ion Ratio Lower Upper

117 100

82 59.1 46.9 70.3

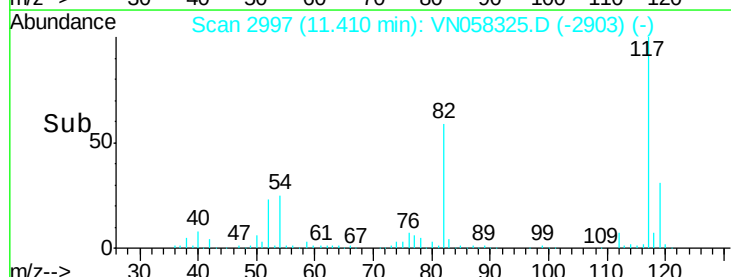
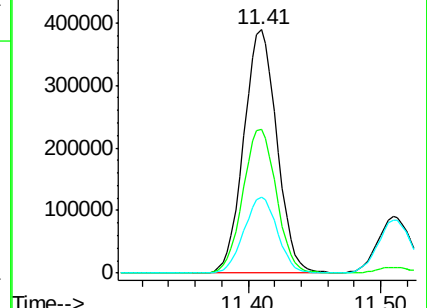
119 31.5 25.3 37.9

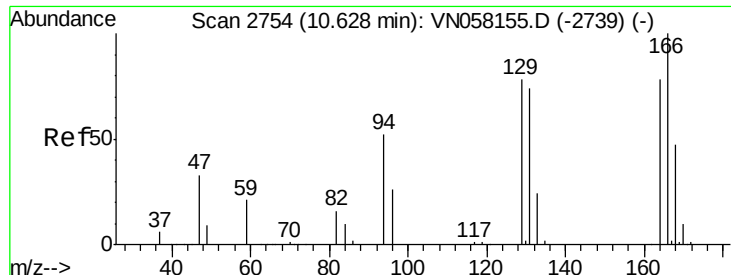


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)





#64

Tetrachloroethene

Concen: 40.986 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion:164 Resp: 134915

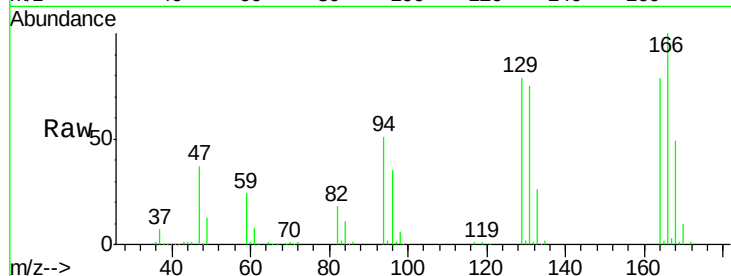
Ion Ratio Lower Upper

164 100

166 126.8 102.2 153.4

129 99.5 79.6 119.4

131 95.2 76.0 114.0

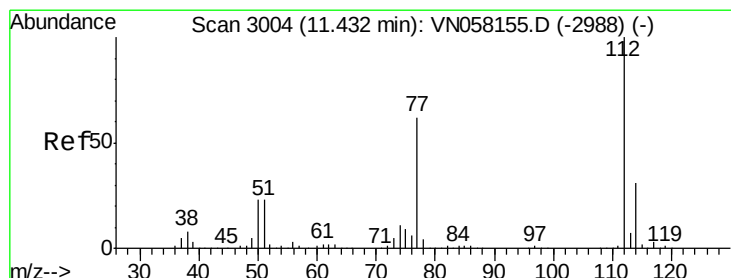
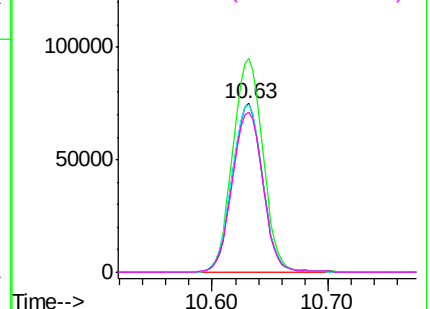
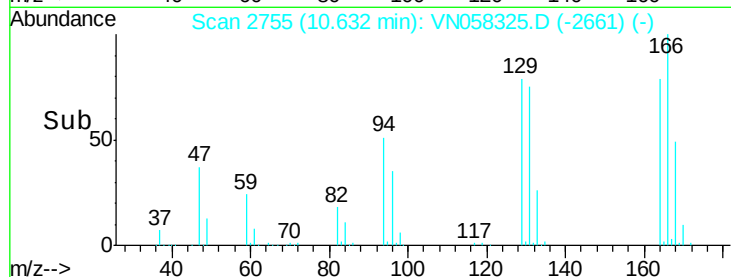


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.969 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058325.D

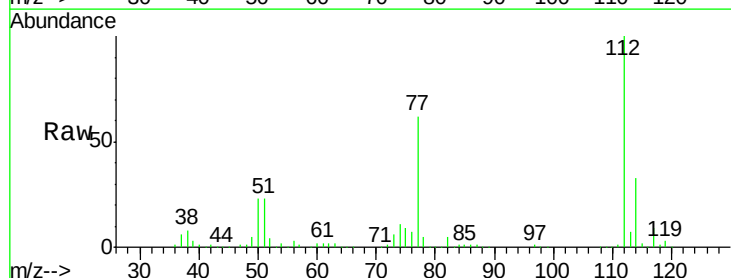
Acq: 24 Sep 2019 4:05

Tgt Ion:112 Resp: 569740

Ion Ratio Lower Upper

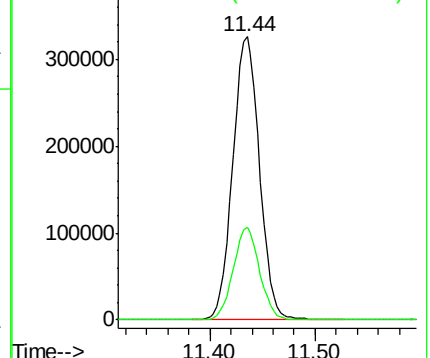
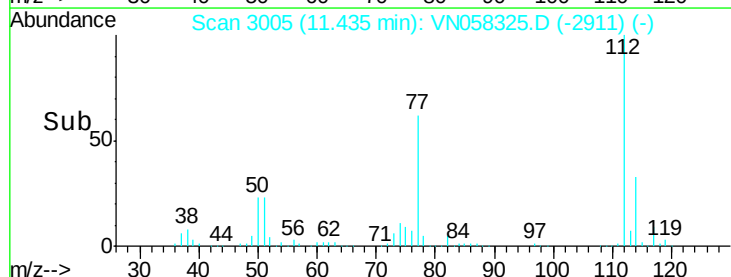
112 100

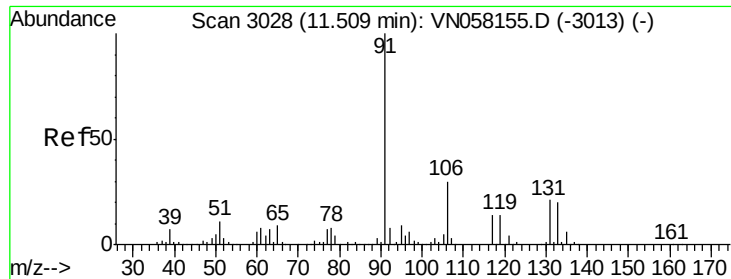
114 32.8 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

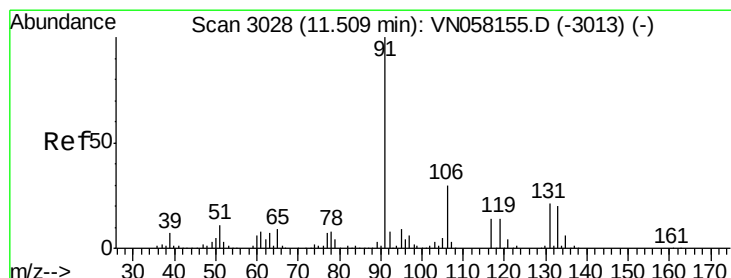
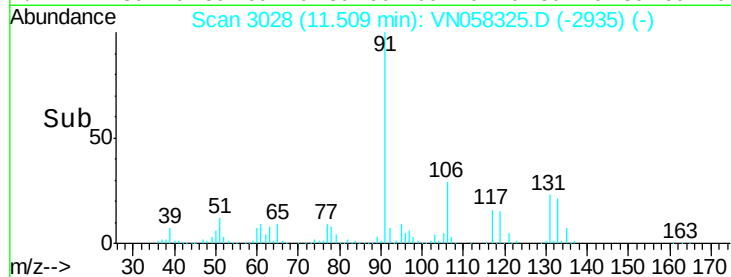
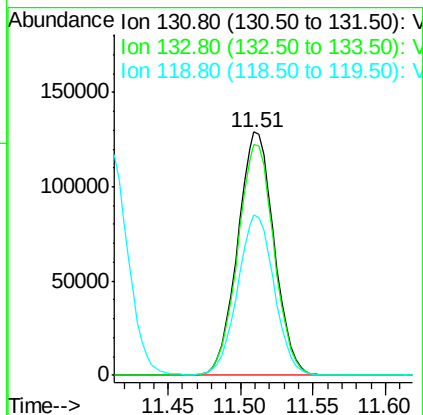
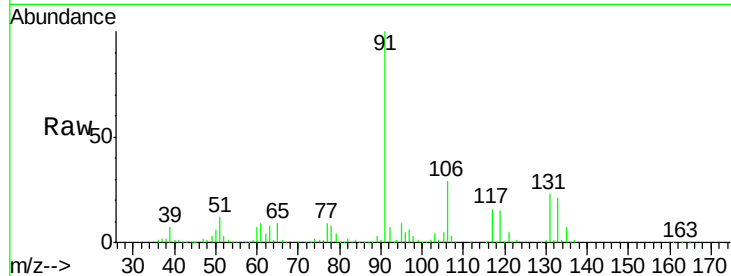




#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.380 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

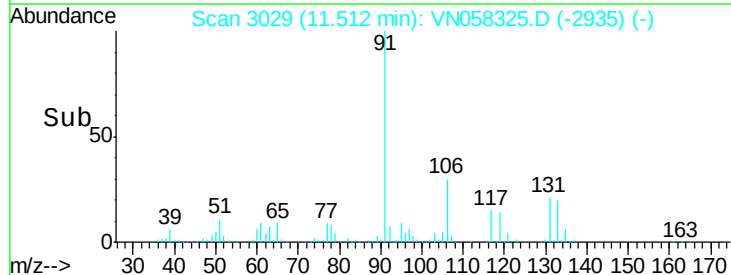
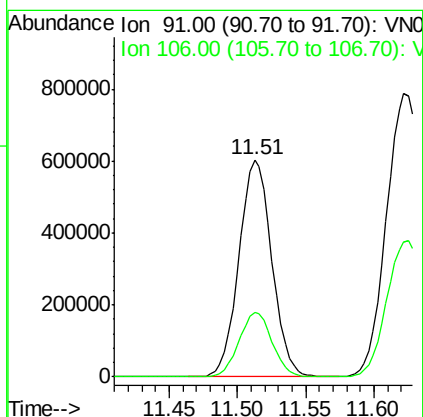
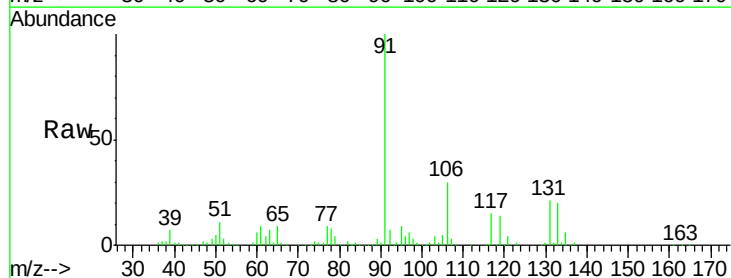
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

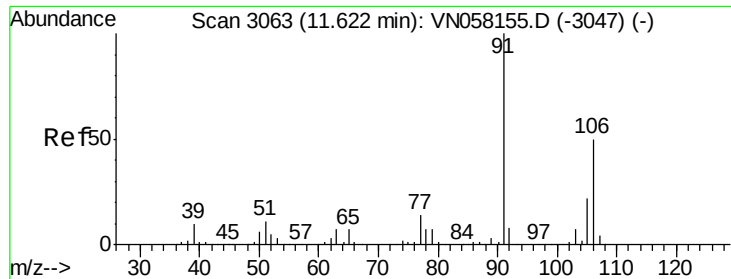
Tot Ion:131 Resp: 225587
 Ion Ratio Lower Upper
 131 100
 133 94.6 47.8 143.3
 119 66.1 33.1 99.3



#67
 Ethyl Benzene
 Concen: 49.579 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion: 91 Resp: 1009007
 Ion Ratio Lower Upper
 91 100
 106 29.6 24.0 36.0





#68

m/p-Xylenes

Concen: 95.303 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

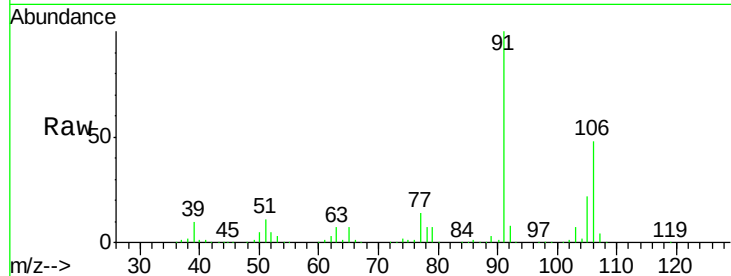
S49-0520MS

Tot Ion:106 Resp: 730509

Ion Ratio Lower Upper

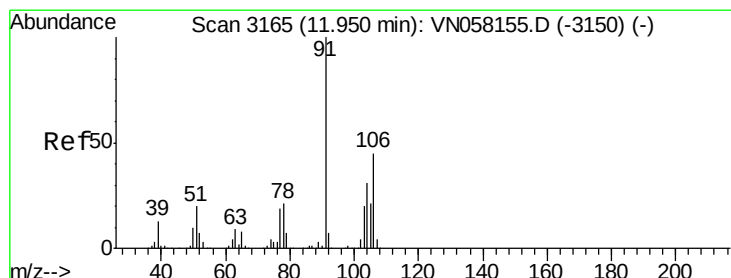
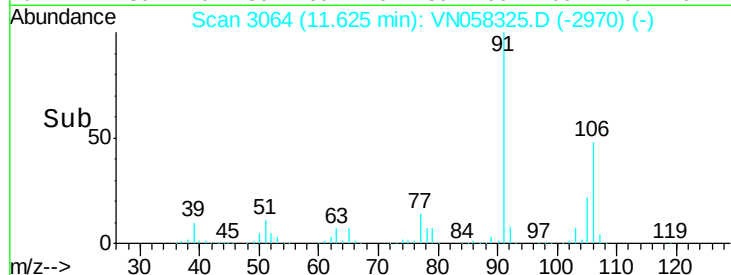
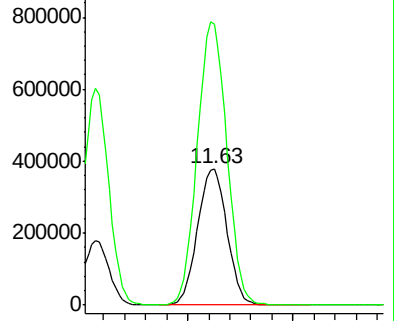
106 100

91 207.9 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 50.021 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058325.D

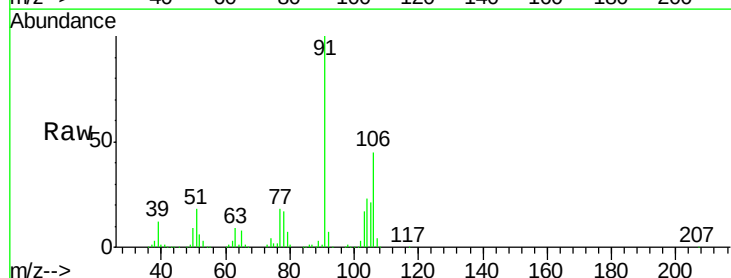
Acq: 24 Sep 2019 4:05

Tgt Ion:106 Resp: 377010

Ion Ratio Lower Upper

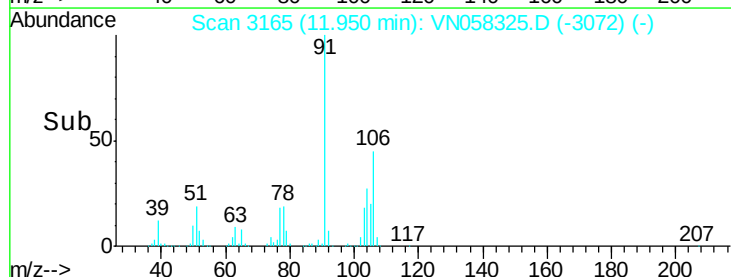
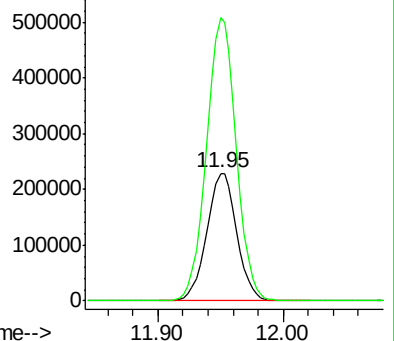
106 100

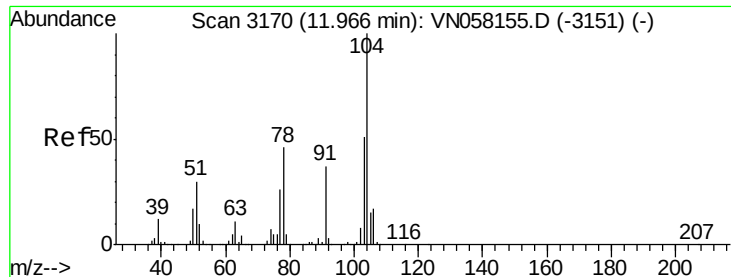
91 221.0 111.8 335.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 50.968 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

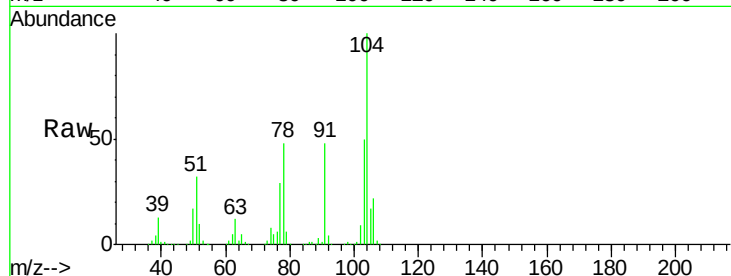
Tot Ion:104 Resp: 661883

Ion Ratio Lower Upper

104 100

78 52.7 41.8 62.8

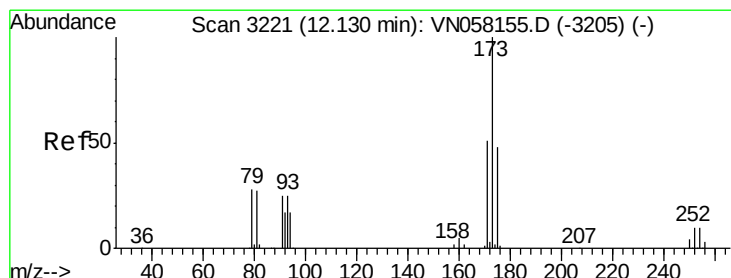
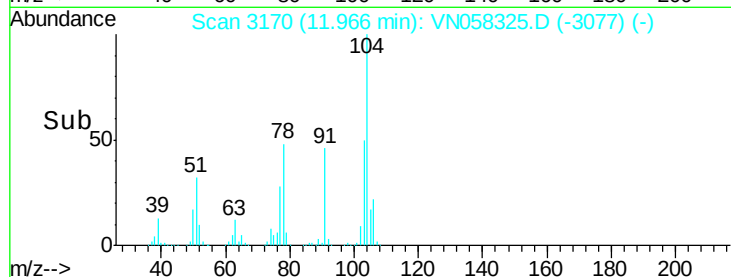
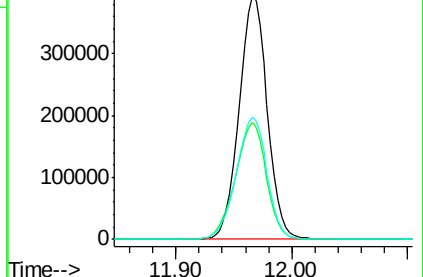
103 54.9 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 47.981 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

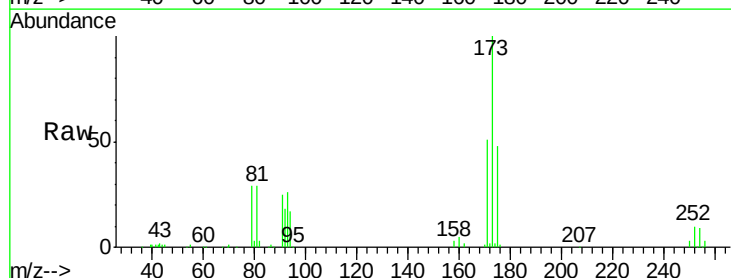
Tgt Ion:173 Resp: 152704

Ion Ratio Lower Upper

173 100

175 47.9 24.2 72.6

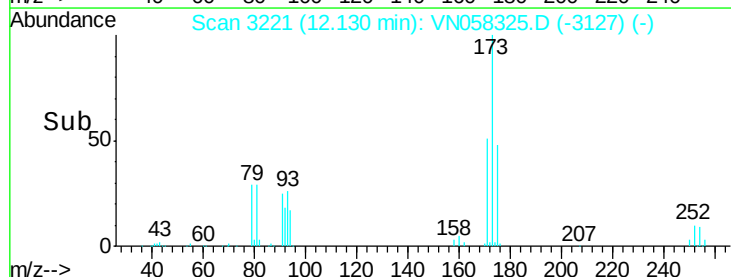
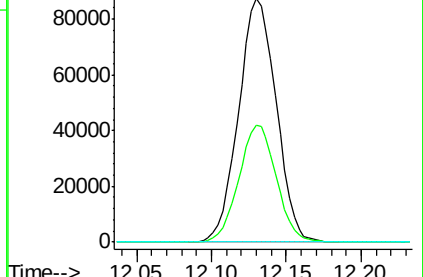
254 0.1 0.1 0.1#

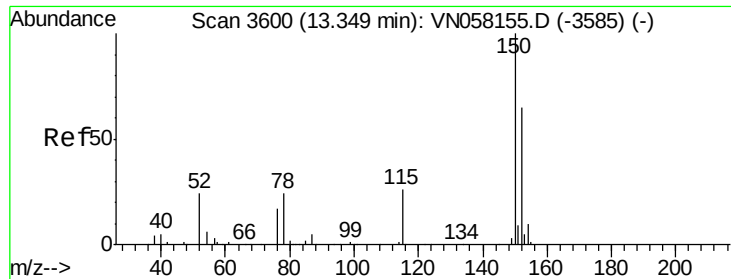


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

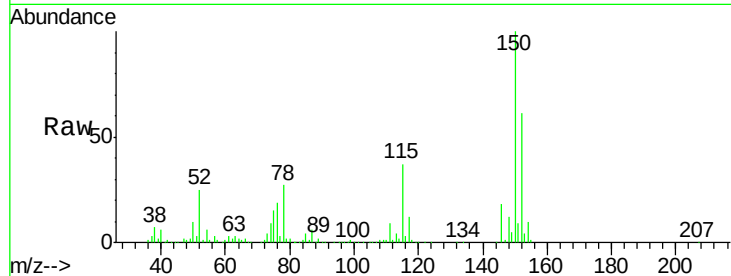




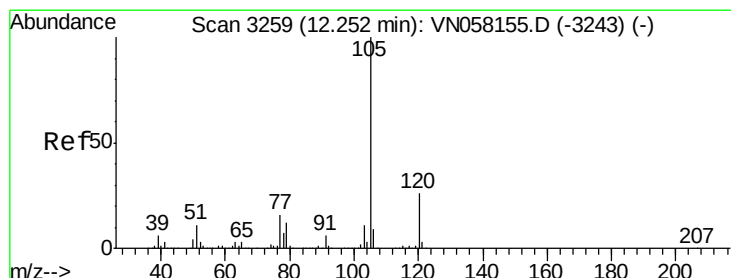
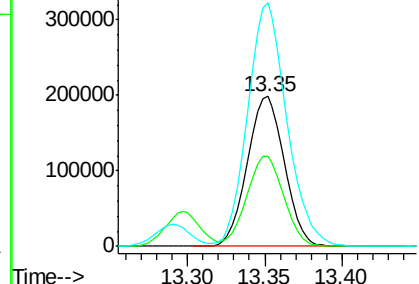
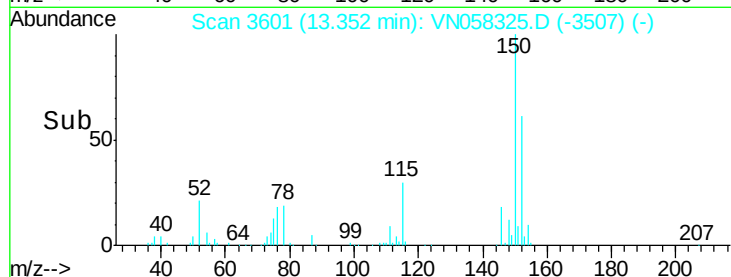
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion:152 Resp: 331392
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.1 90.3
 150 171.3 0.0 346.4

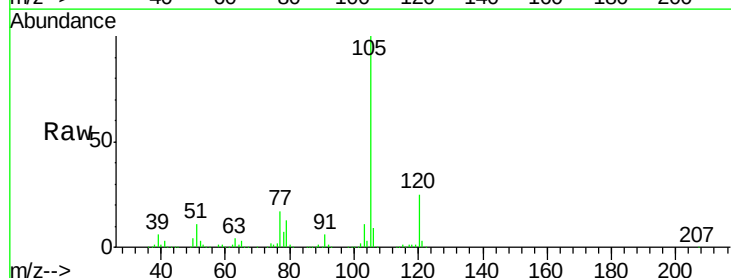


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

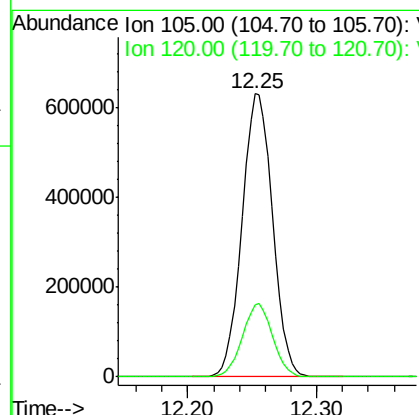
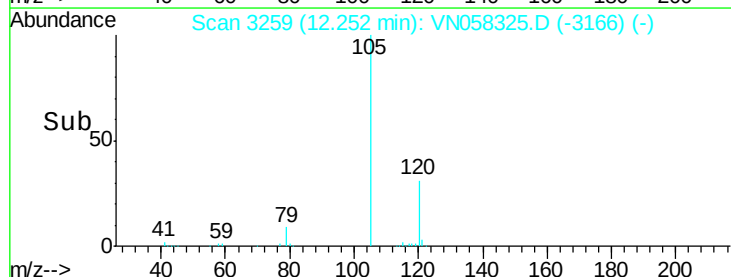


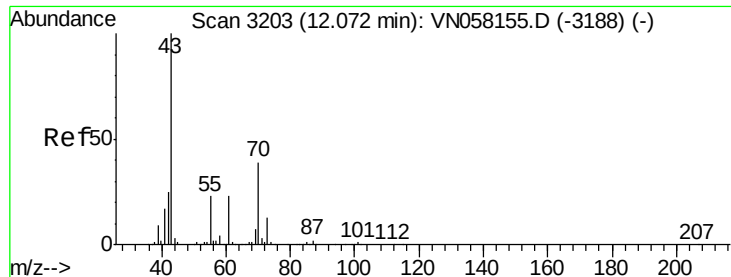
#73
 Isopropylbenzene
 Concen: 49.931 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion:105 Resp: 1035716
 Ion Ratio Lower Upper
 105 100
 120 25.6 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-amyl acetate

Concen: 52.394 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

Tot Ion: 43 Resp: 454656

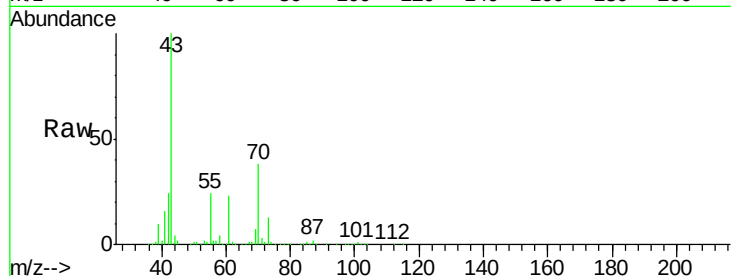
Ion Ratio Lower Upper

43 100

70 38.9 31.0 46.6

55 24.8 18.5 27.7

61 22.4 18.2 27.2

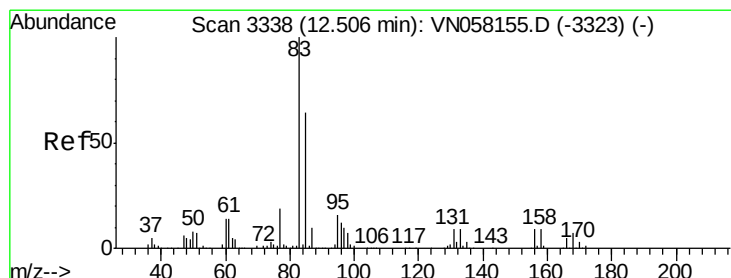
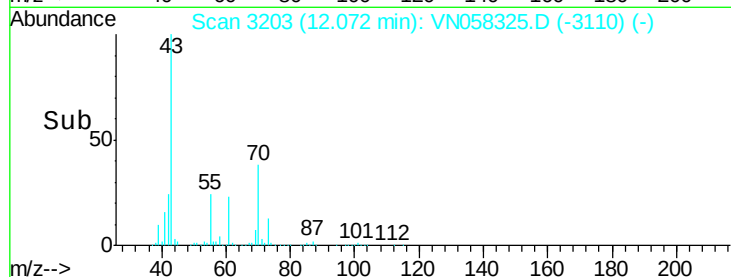
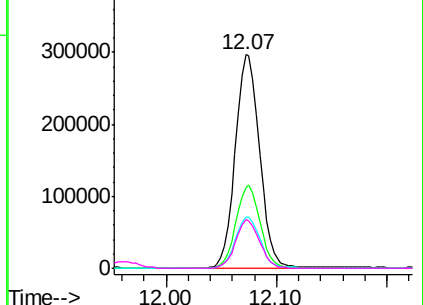


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 56.235 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

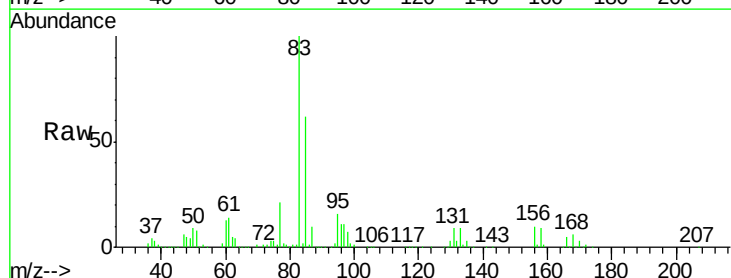
Tgt Ion: 83 Resp: 390627

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

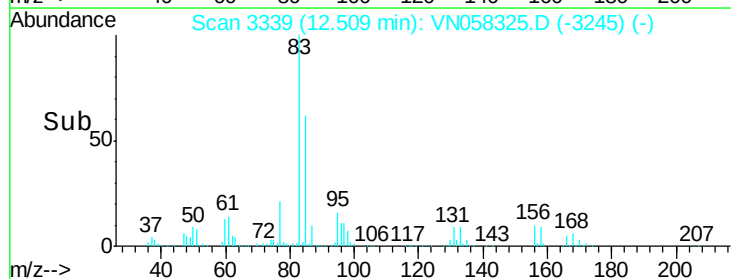
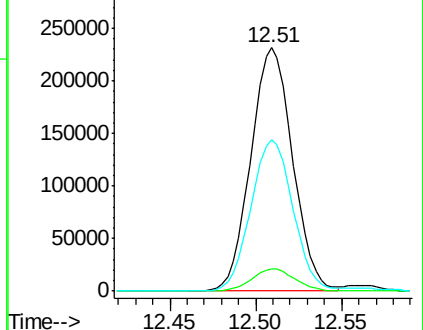
85 62.4 31.9 95.5

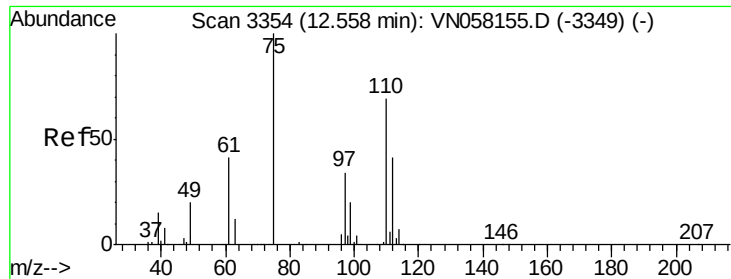


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 76.092 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

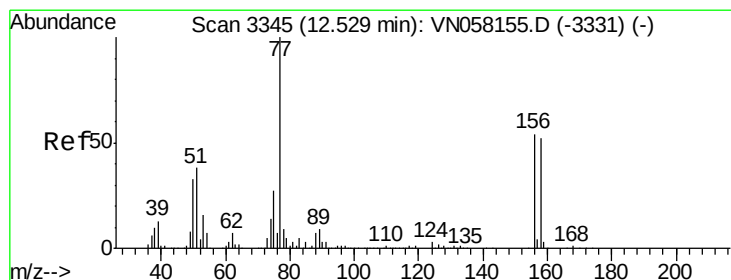
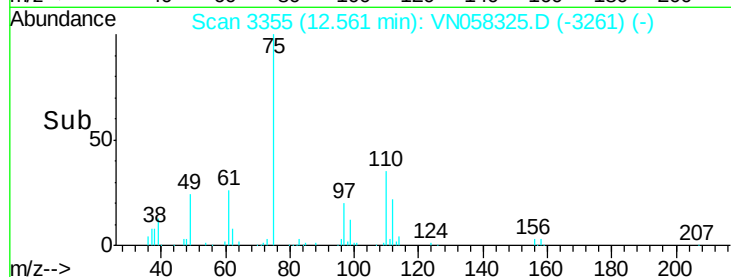
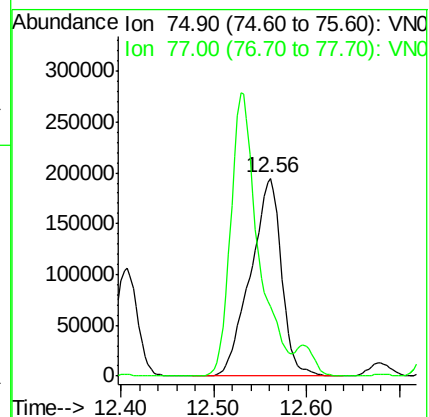
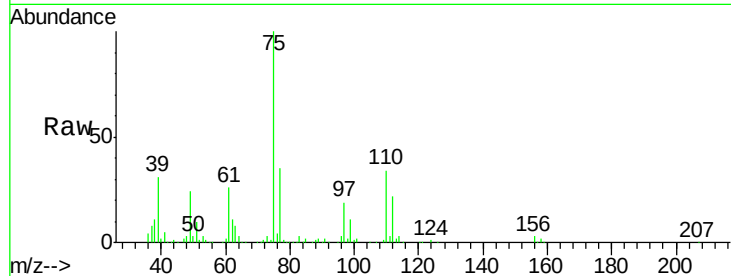
S49-0520MS

Tot Ion: 75 Resp: 451294

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 47.988 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

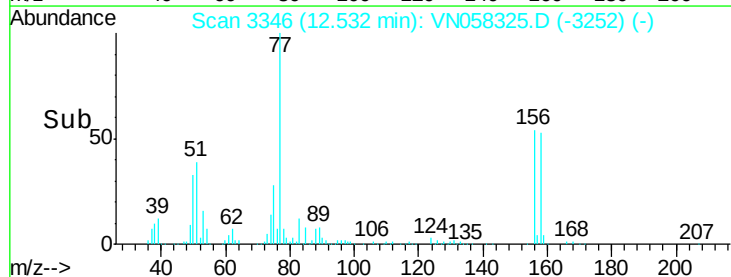
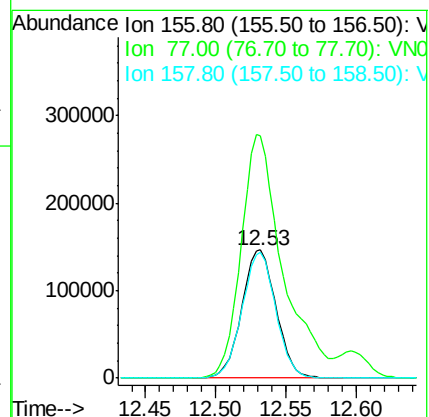
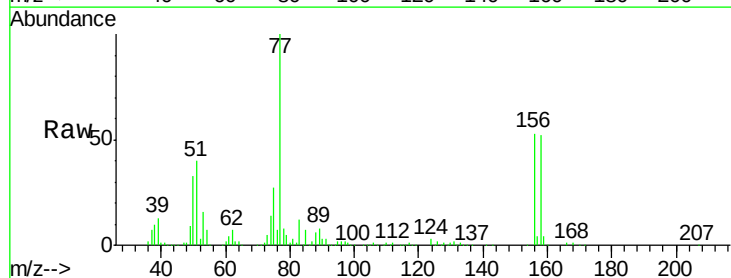
Tgt Ion: 156 Resp: 250388

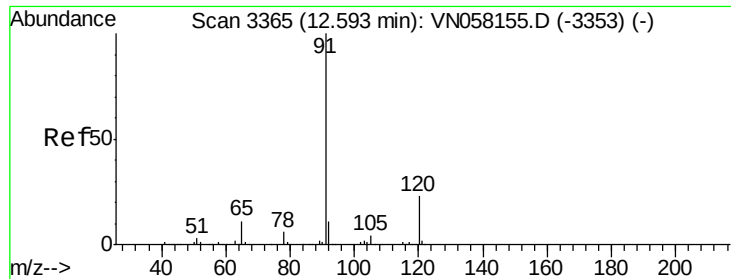
Ion Ratio Lower Upper

156 100

77 230.7 111.7 335.1

158 96.3 47.9 143.8





#78

n-propylbenzene

Concen: 51.166 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

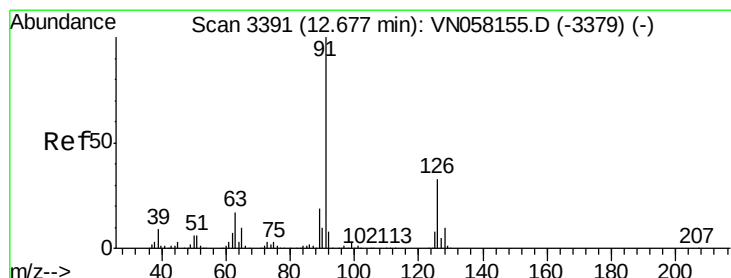
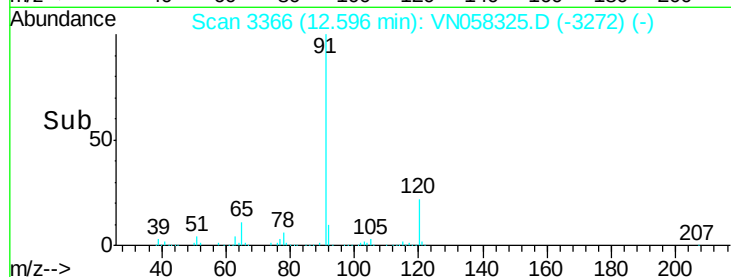
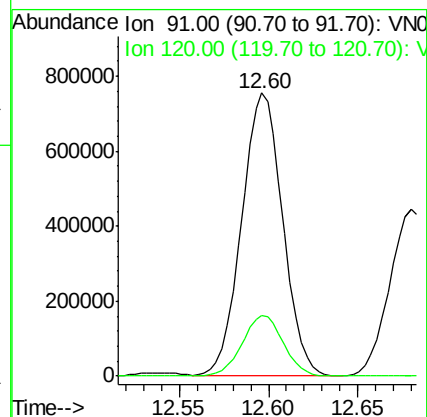
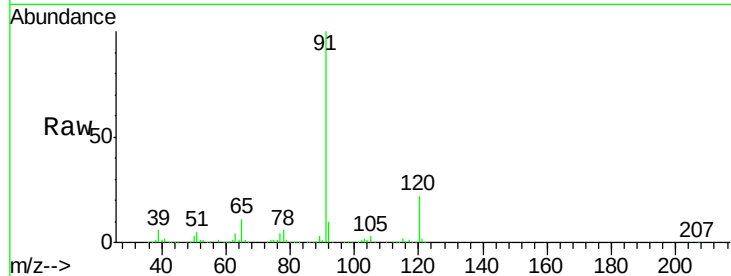
S49-0520MS

Tot Ion: 91 Resp: 1206048

Ion Ratio Lower Upper

91 100

120 21.6 11.1 33.3



#79

2-Chlorotoluene

Concen: 50.274 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058325.D

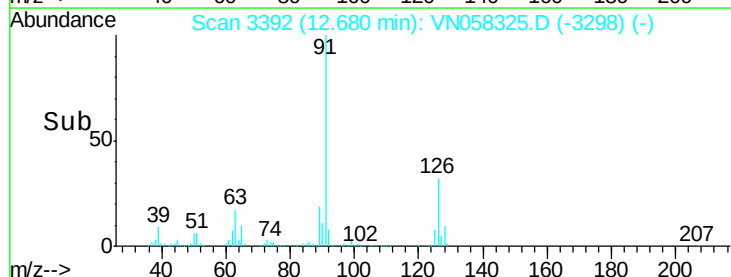
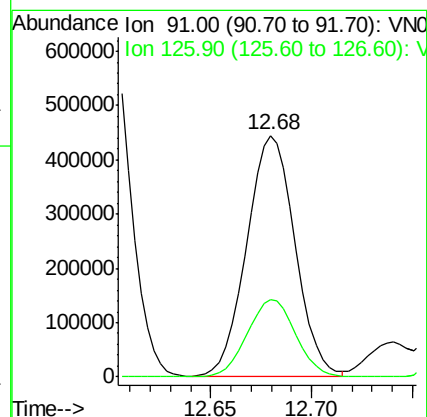
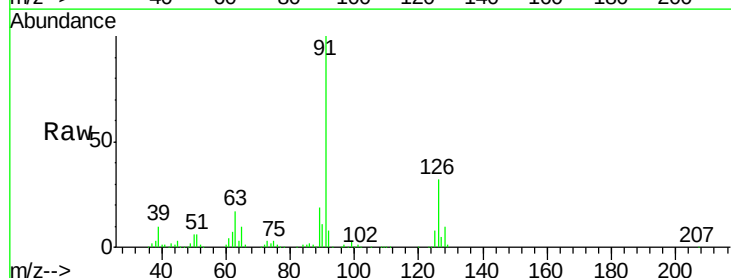
Acq: 24 Sep 2019 4:05

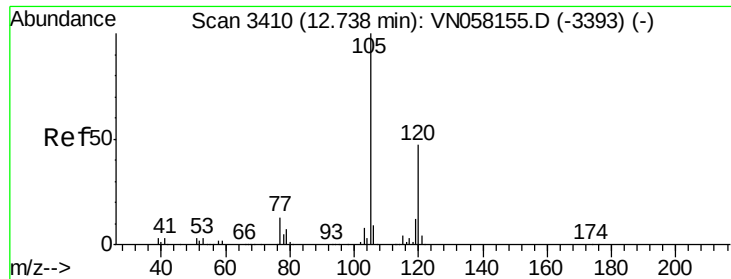
Tgt Ion: 91 Resp: 740610

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1

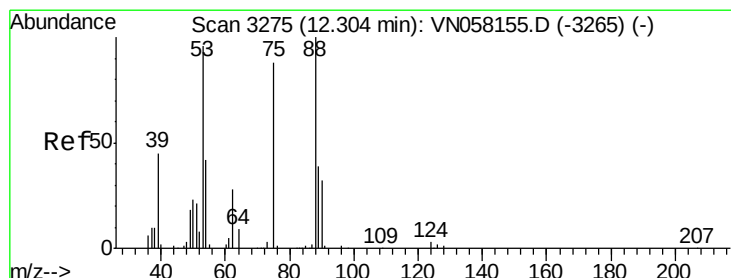
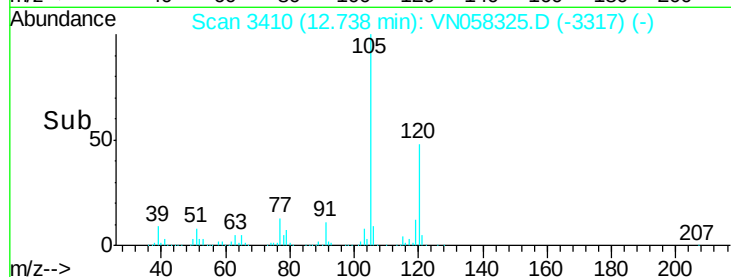
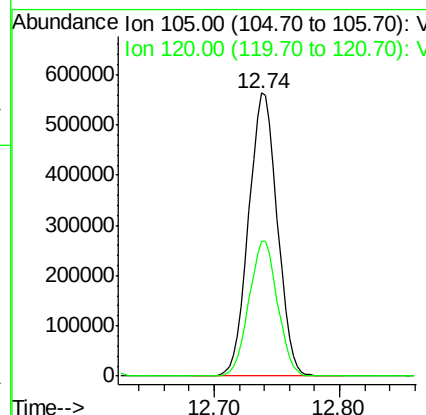
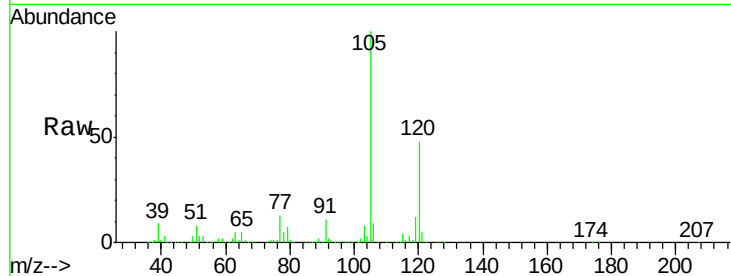




#80
 1,3,5-Trimethylbenzene
 Concen: 51.034 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

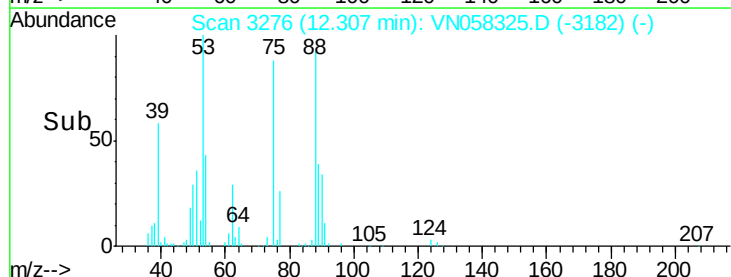
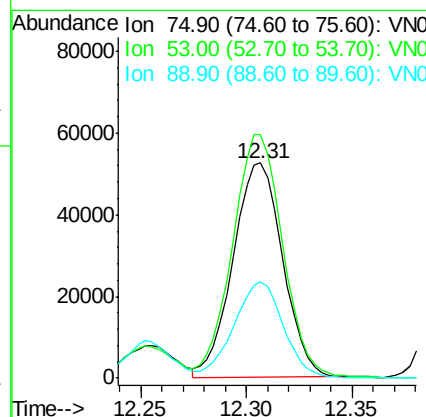
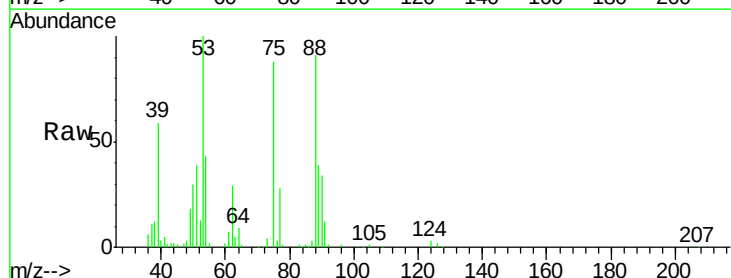
Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MS

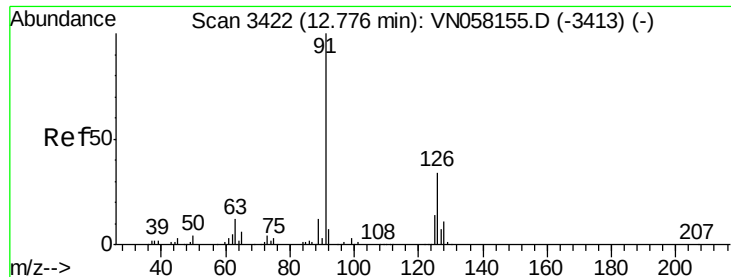
Tot Ion:105 Resp: 895177
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.752 ug/l
 RT: 12.31 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion: 75 Resp: 85558
 Ion Ratio Lower Upper
 75 100
 53 116.3 90.1 135.1
 89 45.1 36.2 54.2

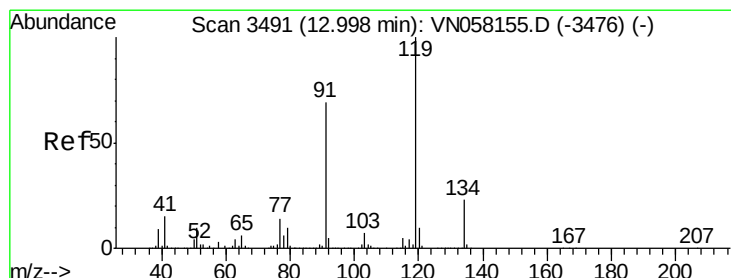
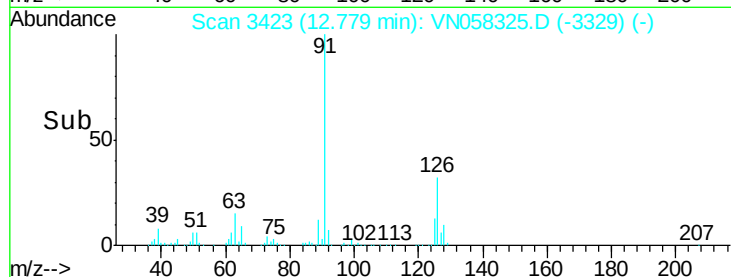
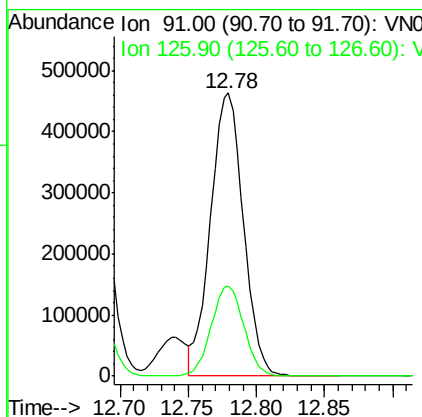
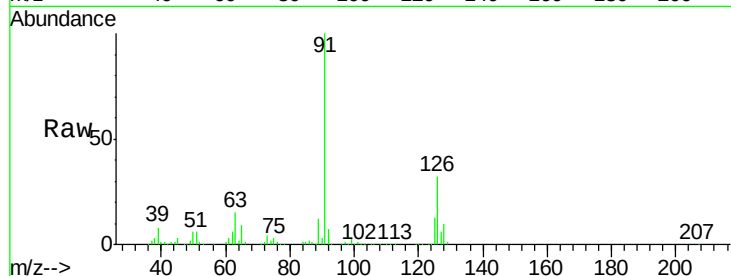




#82
4-Chlorotoluene
Concen: 49.831 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

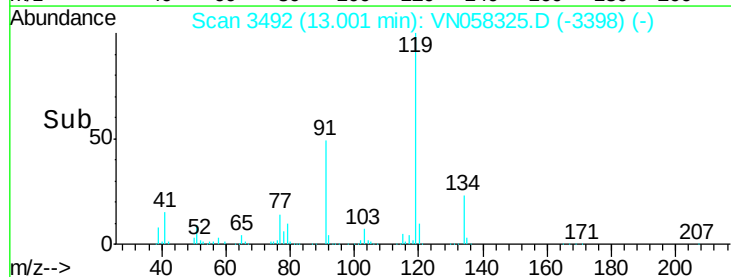
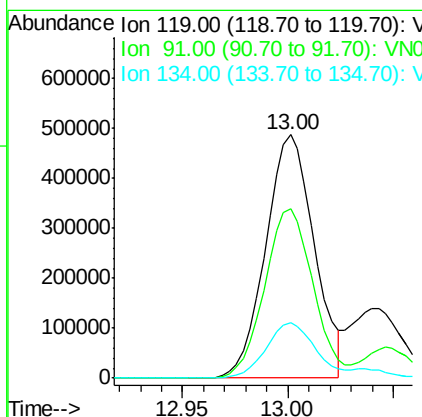
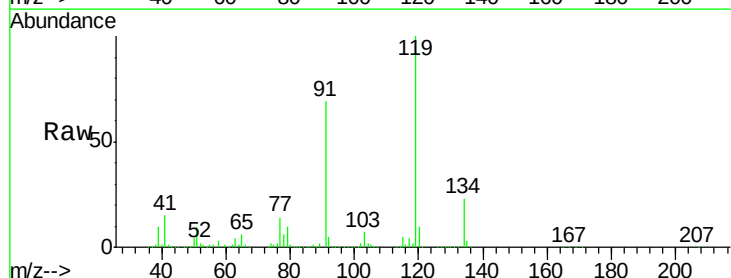
Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

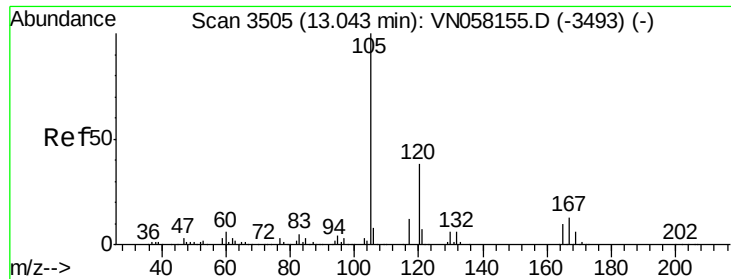
Tot Ion: 91 Resp: 771638
Ion Ratio Lower Upper
91 100
126 31.6 15.7 47.1



#83
tert-Butylbenzene
Concen: 49.866 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 119 Resp: 780027
Ion Ratio Lower Upper
119 100
91 69.8 33.8 101.3
134 23.0 11.6 34.8

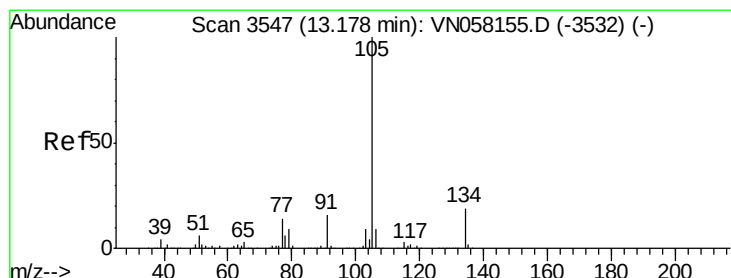
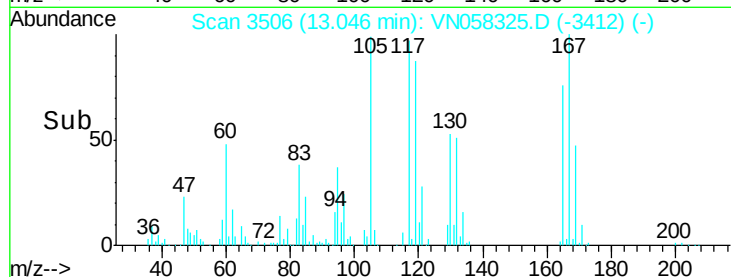
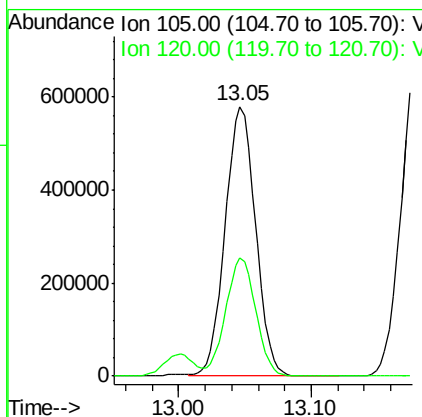
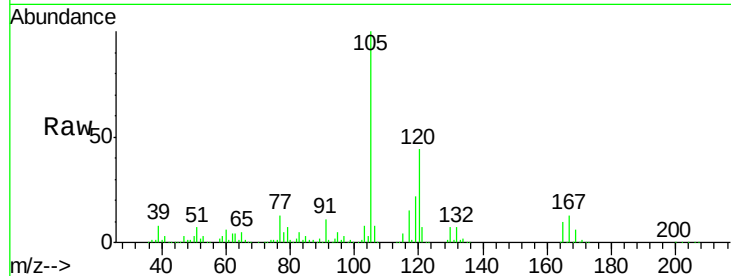




#84
 1,2,4-Trimethylbenzene
 Concen: 52.898 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

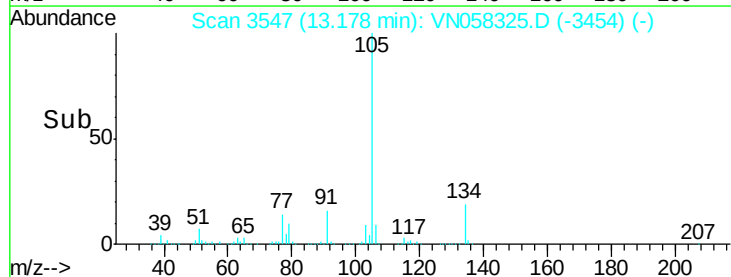
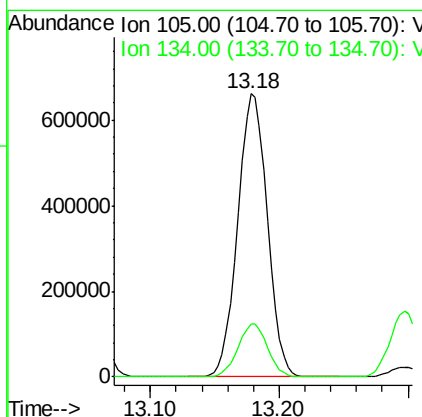
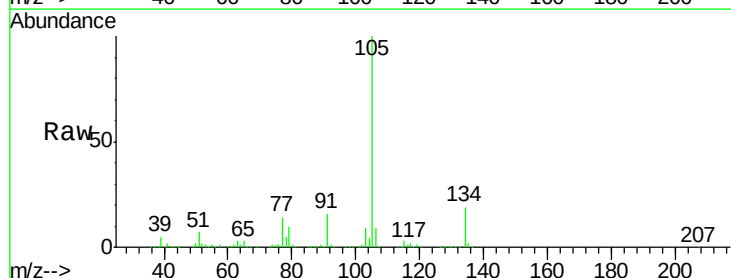
Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MS

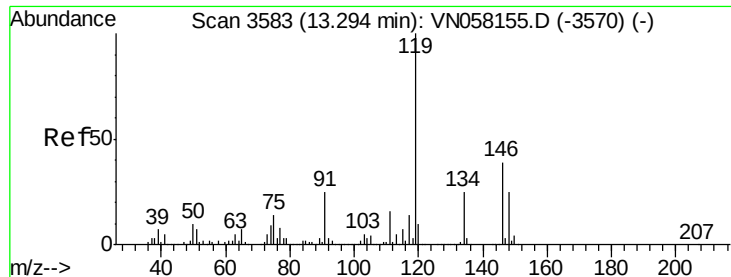
Tot Ion:105 Resp: 923371
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 51.472 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion:105 Resp: 1052870
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.5 28.5





#86

p-Isopropyltoluene

Concen: 51.329 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

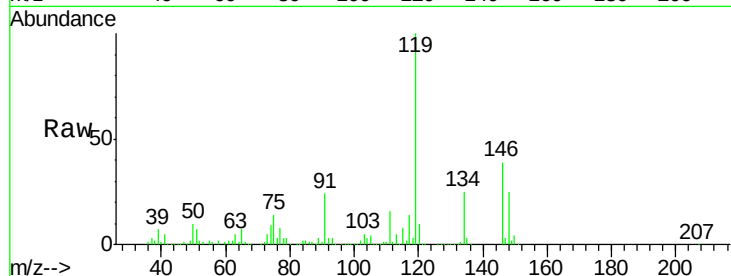
Tot Ion:119 Resp: 933414

Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.0

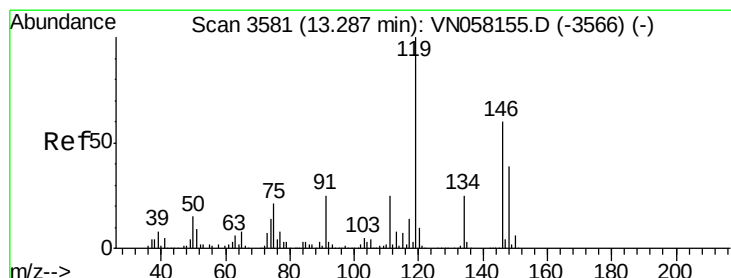
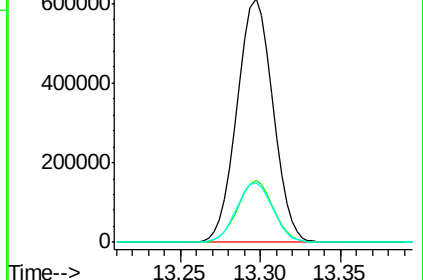
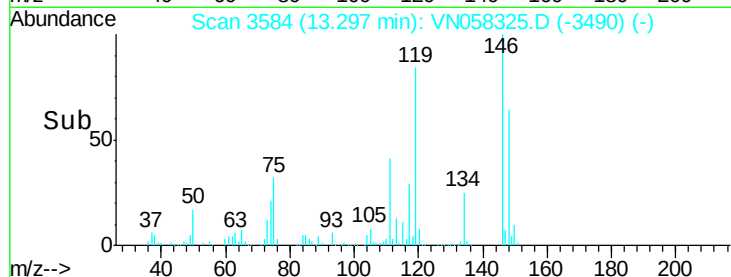
91 24.7 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 50.182 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

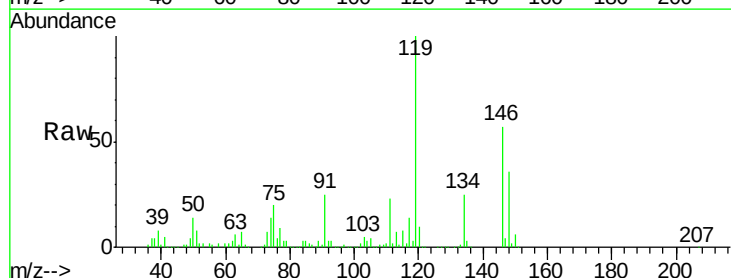
Tgt Ion:146 Resp: 478238

Ion Ratio Lower Upper

146 100

111 41.6 20.9 62.8

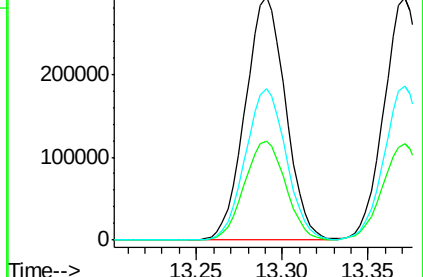
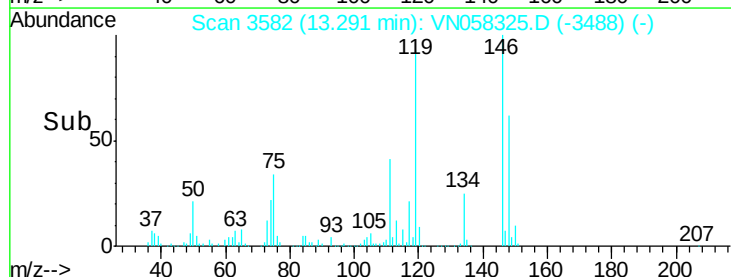
148 62.8 32.0 96.2

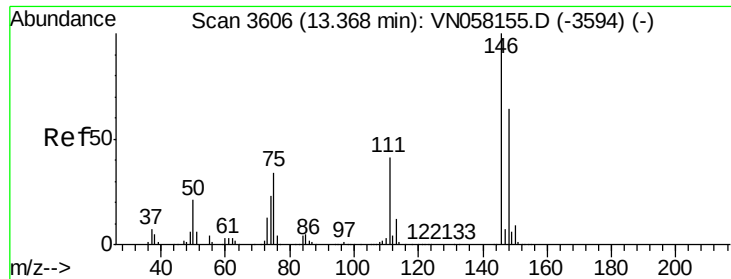


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

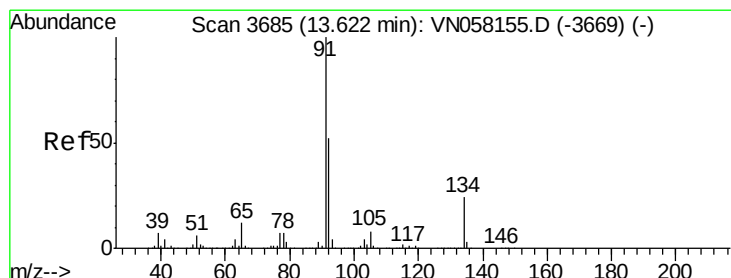
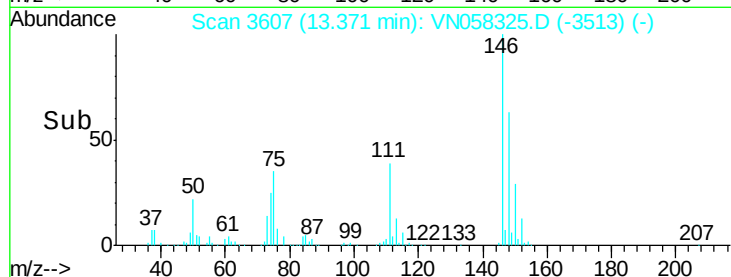
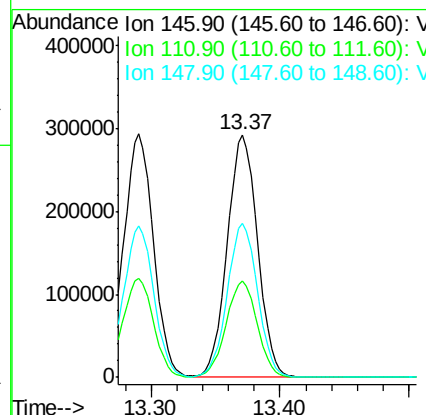
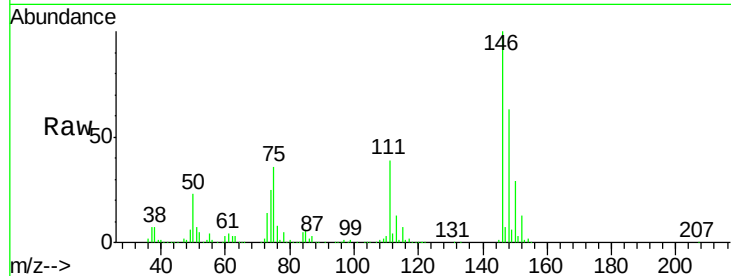




#88
 1,4-Dichlorobenzene
 Concen: 48.857 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

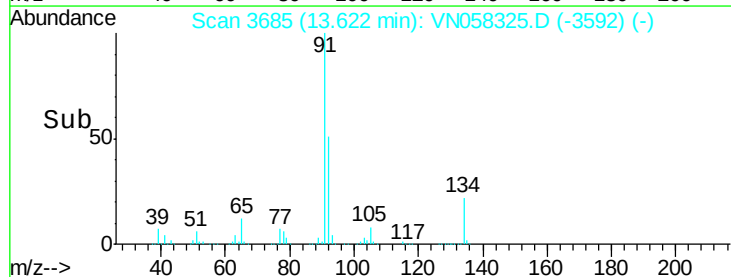
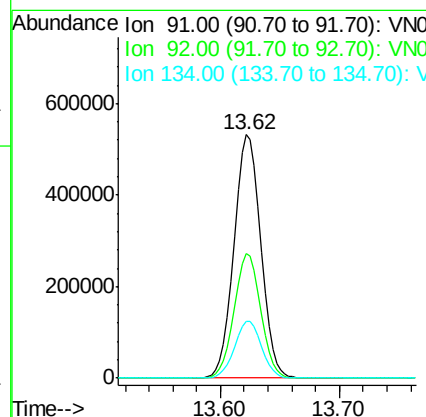
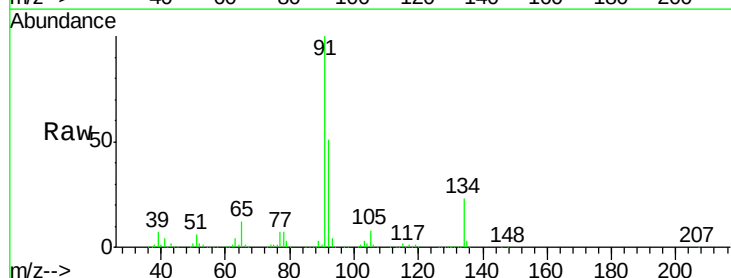
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

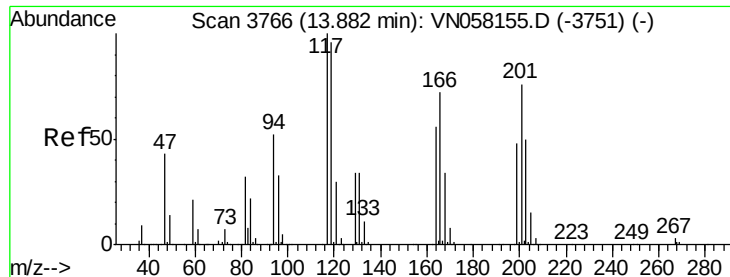
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.5
148	63.4	31.9	95.5



#89
 n-Butylbenzene
 Concen: 48.205 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.0
134	23.4	11.8	35.4





#90

Hexachloroethane

Concen: 48.747 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

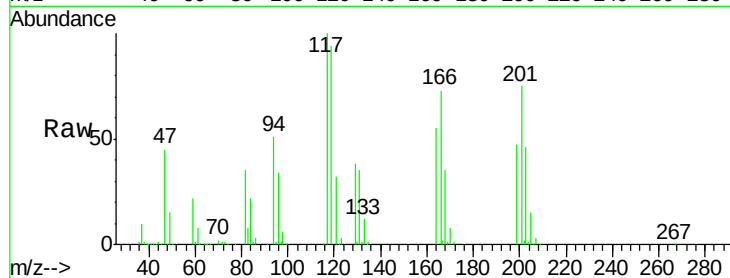
S49-0520MS

Tot Ion:117 Resp: 155206

Ion Ratio Lower Upper

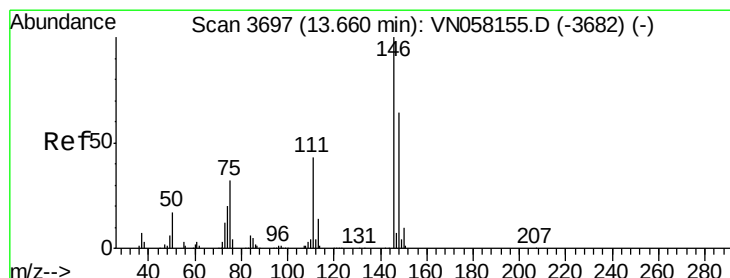
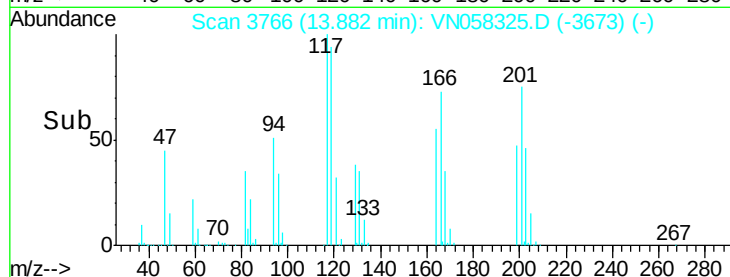
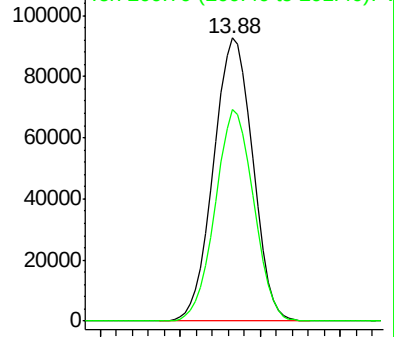
117 100

201 73.2 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.895 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

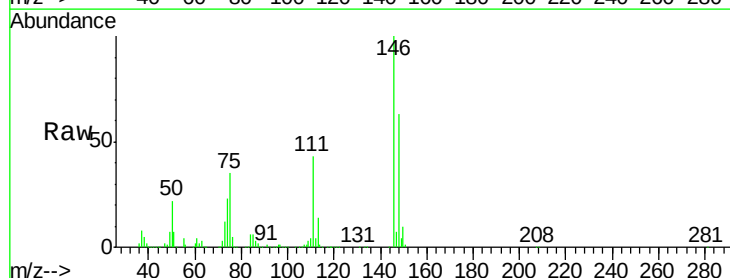
Tgt Ion:146 Resp: 486544

Ion Ratio Lower Upper

146 100

111 43.7 21.1 63.1

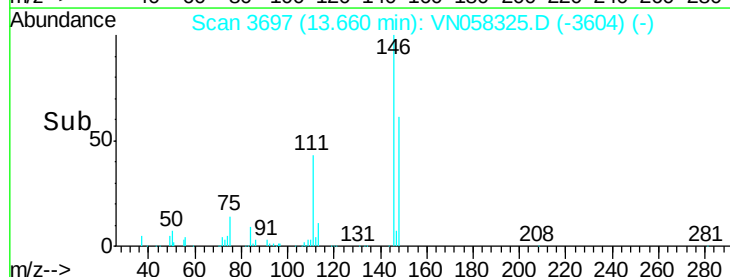
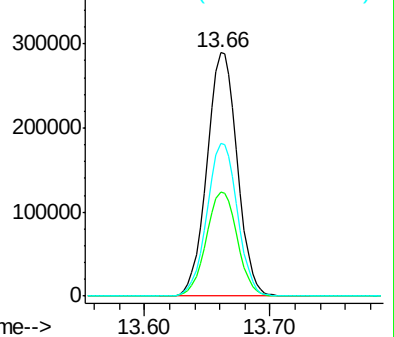
148 63.0 31.8 95.4

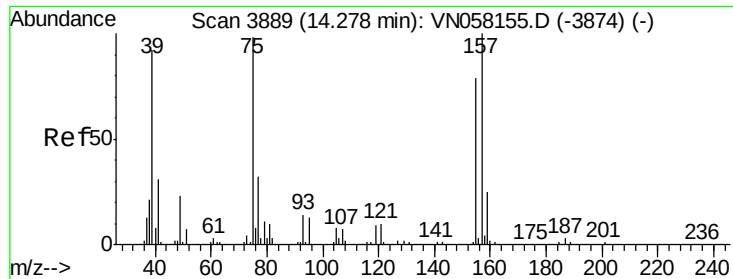


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

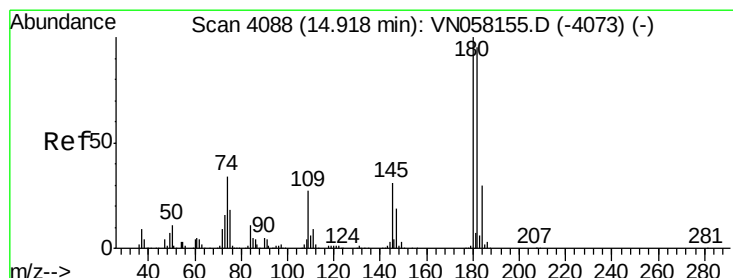
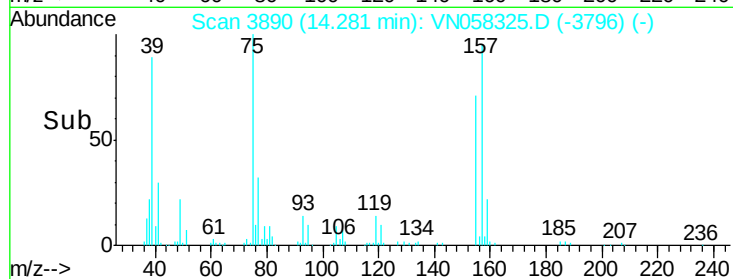
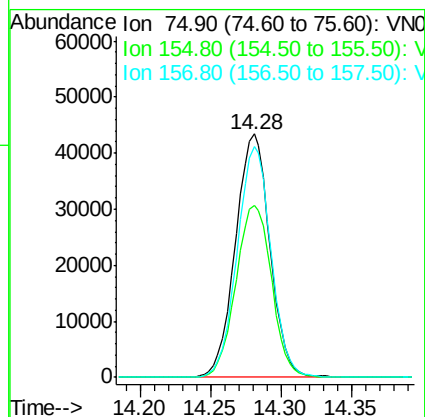
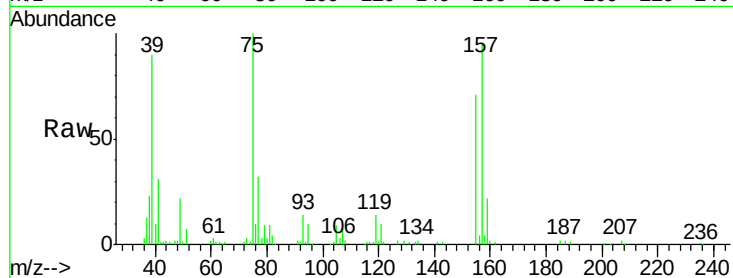




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.458 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

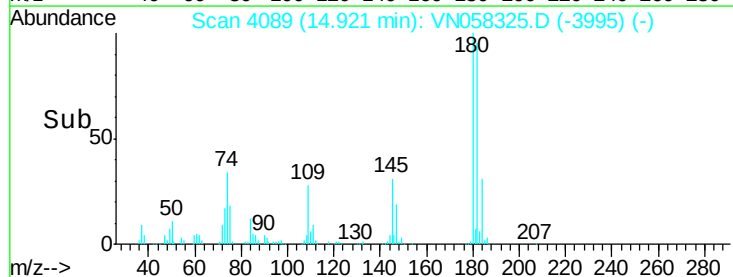
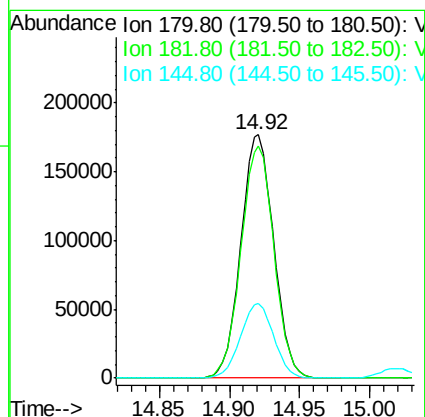
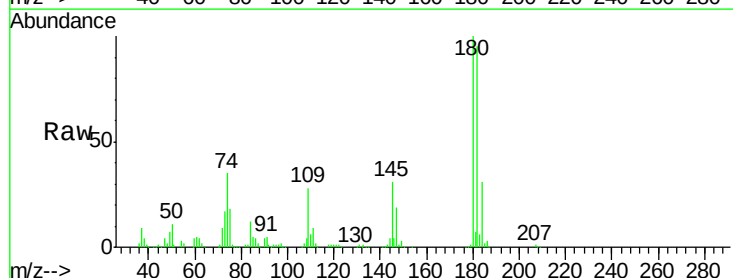
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

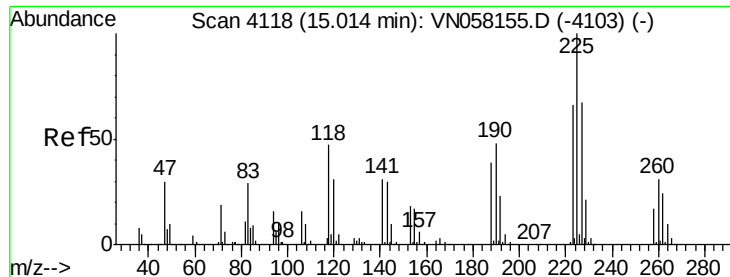
Tot Ion: 75 Resp: 74356
 Ion Ratio Lower Upper
 75 100
 155 73.2 38.3 114.8
 157 92.8 48.0 144.0



#93
 1,2,4-Trichlorobenzene
 Concen: 47.319 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion: 180 Resp: 289025
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.8 143.3
 145 31.0 15.4 46.4





#94

Hexachlorobutadiene

Concen: 42.827 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

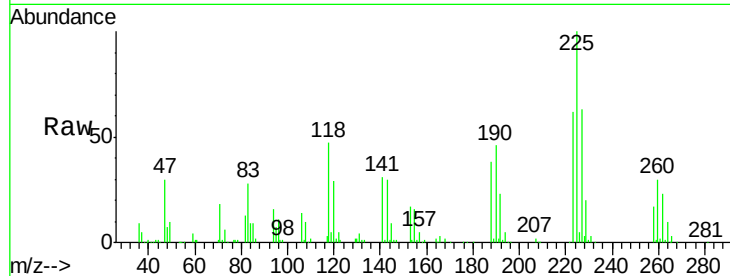
Tot Ion:225 Resp: 126432

Ion Ratio Lower Upper

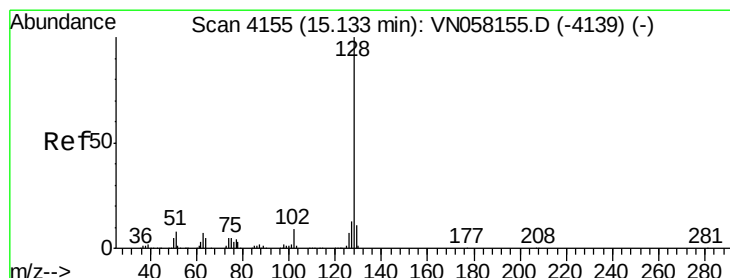
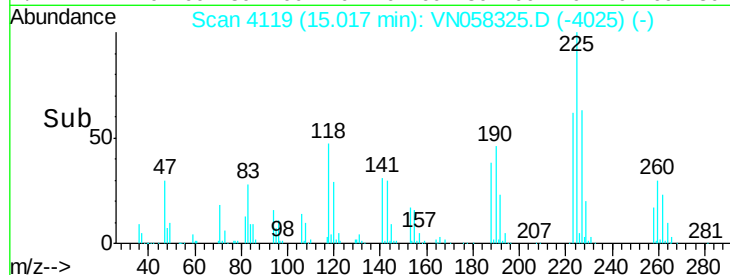
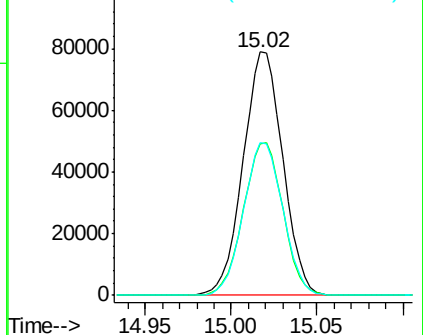
225 100

223 62.5 32.6 97.7

227 62.2 33.0 99.0



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



#95

Naphthalene

Concen: 54.812 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

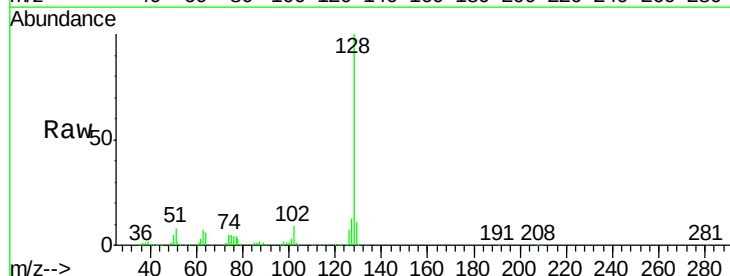
Tgt Ion:128 Resp: 867637

Ion Ratio Lower Upper

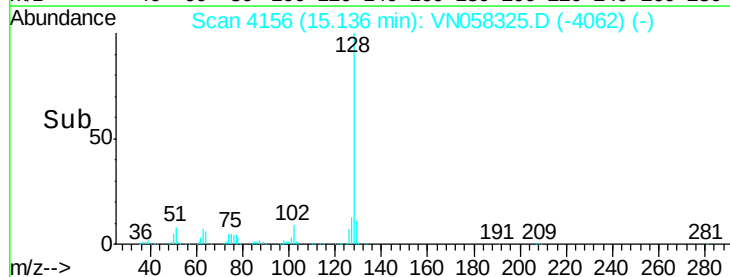
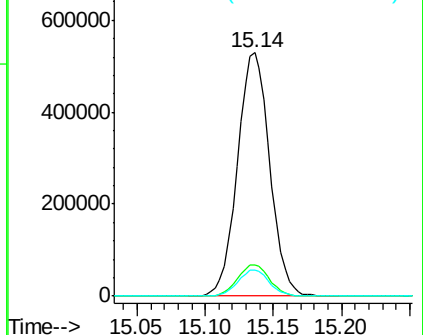
128 100

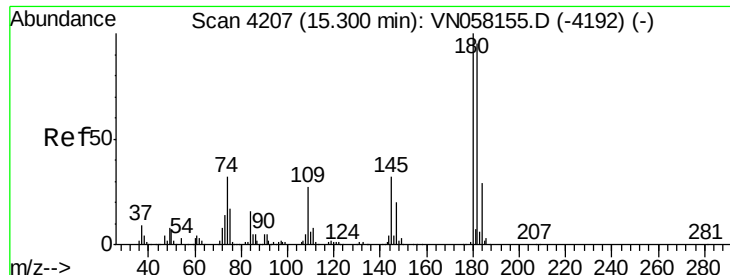
127 12.8 10.2 15.2

129 10.5 8.6 12.8



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

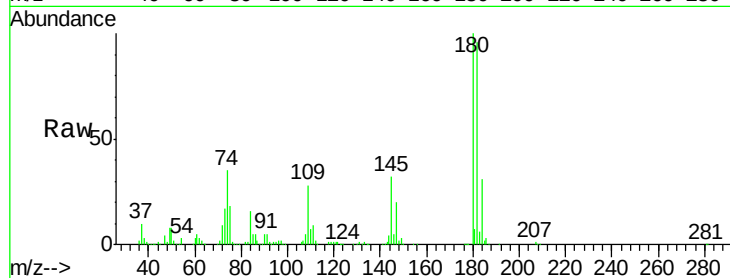




#96
 1,2,3-Trichlorobenzene
 Concen: 49.156 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.2
145	31.8	16.1	48.2



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

