

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058694.D
 Acq On : 11 Oct 2019 11:30
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:13 AM

Quant Time: Oct 11 23:55:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	419388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	682196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	4995	1.063	ug/l	97
3) Chloromethane	2.04	50	7194	1.373	ug/l	95
4) Vinyl Chloride	2.17	62	6201	1.204	ug/l	98
6) Chloroethane	2.69	64	4038	1.306	ug/l	100
7) Trichlorofluoromethane	3.00	101	7961	1.296	ug/l	99
8) Diethyl Ether	3.39	74	2878	1.113	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4425	1.093	ug/l #	63
12) 1,1-Dichloroethene	3.72	96	4101	1.039	ug/l	89
14) Allyl chloride	4.31	41	8990	1.231	ug/l	94
15) Acrylonitrile	4.97	53	10917	5.320	ug/l #	92
16) Acetone	3.80	43	13465	6.288	ug/l	99
17) Carbon Disulfide	4.03	76	14028	1.311	ug/l	97
18) Methyl Acetate	4.31	43	6430	1.185	ug/l #	81
19) Methyl tert-butyl Ether	5.02	73	13990	0.998	ug/l	97
20) Methylene Chloride	4.53	84	6396	1.322	ug/l	90
21) trans-1,2-Dichloroethene	5.02	96	4702	1.068	ug/l	93
22) Diisopropyl ether	5.92	45	14839	0.954	ug/l #	68
23) Vinyl Acetate	5.88	43	59055	4.992	ug/l	97
24) 1,1-Dichloroethane	5.82	63	8997	1.030	ug/l #	87
25) 2-Butanone	6.82	43	17157	5.788	ug/l	91
26) 2,2-Dichloropropane	6.81	77	9669	1.333	ug/l #	55
27) cis-1,2-Dichloroethene	6.81	96	5867	1.145	ug/l	95
28) Bromochloromethane	7.18	49	3347	0.984	ug/l #	62
29) Tetrahydrofuran	7.20	42	10918	5.775	ug/l	93
30) Chloroform	7.35	83	9982	1.132	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	7557	1.036	ug/l #	51
36) 1,1-Dichloropropene	7.78	75	6958	1.060	ug/l	98
37) Ethyl Acetate	6.92	43	5908	1.026	ug/l #	86
38) Carbon Tetrachloride	7.76	117	6402	1.067	ug/l	96
39) Methylcyclohexane	9.07	83	7614	0.991	ug/l	97
40) Benzene	8.02	78	20188	1.071	ug/l	99
41) Methacrylonitrile	7.15	41	2387m	0.884	ug/l	
42) 1,2-Dichloroethane	8.11	62	7938	1.083	ug/l	97
43) Isopropyl Acetate	8.15	43	12057	1.130	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	5106	1.099	ug/l	100
45) 1,2-Dichloropropane	9.11	63	5369	1.061	ug/l	98
46) Dibromomethane	9.20	93	3304	1.029	ug/l	96
47) Bromodichloromethane	9.40	83	6762	1.102	ug/l	99
48) Methyl methacrylate	9.19	41	5098	1.052	ug/l	94
49) 1,4-Dioxane	9.19	88	1533	23.255	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	29871	5.348	ug/l	97
52) Toluene	10.15	92	11958	1.006	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	7392	1.104	ug/l #	66
54) cis-1,3-Dichloropropene	9.83	75	7674	1.039	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	5783	1.332	ug/l	90
56) Ethyl methacrylate	10.43	69	5798	0.874	ug/l #	77
57) 1,3-Dichloropropane	10.71	76	8407	1.085	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	15573	5.671	ug/l	99
59) 2-Hexanone	10.75	43	22984	5.588	ug/l	98
60) Dibromochloromethane	10.90	129	4770	1.138	ug/l	93
61) 1,2-Dibromoethane	11.00	107	5019	1.127	ug/l	88
64) Tetrachloroethene	10.63	164	4612	1.163	ug/l	96
65) Chlorobenzene	11.43	112	12491	1.018	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	4616	1.105	ug/l #	65
67) Ethyl Benzene	11.51	91	21111	0.949	ug/l	100
68) m/p-Xylenes	11.62	106	15160	1.810	ug/l	98
69) o-Xylene	11.95	106	7790	0.969	ug/l	84
70) Styrene	11.97	104	11953	0.915	ug/l	97
71) Bromoform	12.13	173	2781	1.041	ug/l #	87
73) Isopropylbenzene	12.25	105	19745	1.003	ug/l	99
74) N-amyl acetate	12.08	43	7649	0.958	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	6586	1.111	ug/l	91
76) 1,2,3-Trichloropropane	12.56	75	6262m	1.256	ug/l	
77) Bromobenzene	12.53	156	4911	1.060	ug/l	98
78) n-propylbenzene	12.59	91	22248	0.999	ug/l	95
79) 2-Chlorotoluene	12.68	91	15189	1.106	ug/l	95
80) 1,3,5-Trimethylbenzene	12.74	105	15653	0.947	ug/l	98
82) 4-Chlorotoluene	12.78	91	14721	1.048	ug/l	100
83) tert-Butylbenzene	13.00	119	13976	1.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	15306	0.924	ug/l	98
85) sec-Butylbenzene	13.18	105	17375	0.943	ug/l	99
86) p-Isopropyltoluene	13.29	119	16032	0.984	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	8966	1.064	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	9787m	1.169	ug/l	
89) n-Butylbenzene	13.62	91	14816	0.998	ug/l	97
90) Hexachloroethane	13.88	117	2633	1.052	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	8750	1.079	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1875	1.737	ug/l	74
93) 1,2,4-Trichlorobenzene	14.92	180	5124	1.133	ug/l	96
94) Hexachlorobutadiene	15.02	225	2907	1.233	ug/l	99
95) Naphthalene	15.13	128	14081	1.175	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	5108	1.234	ug/l	95

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VSTDICC001

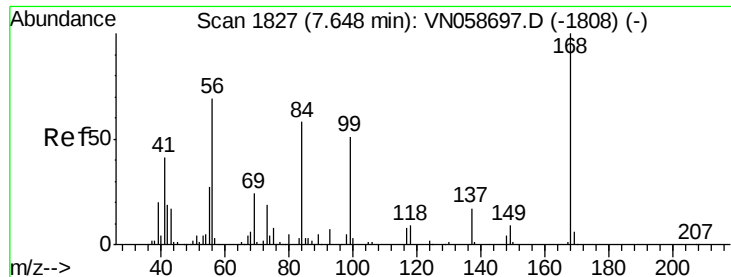
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 419388

Ion Ratio Lower Upper

168 100

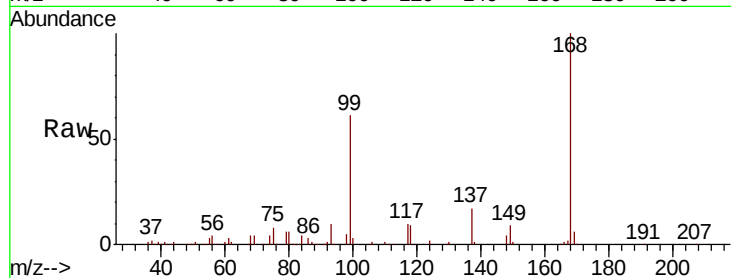
99 60.7 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

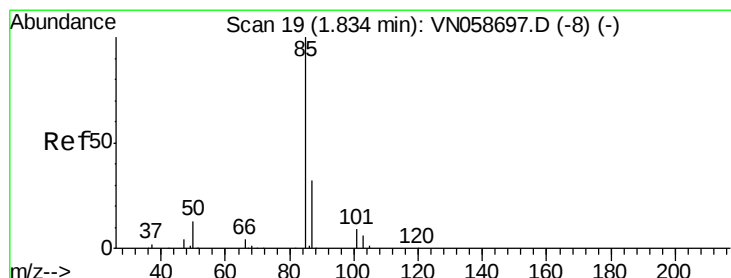
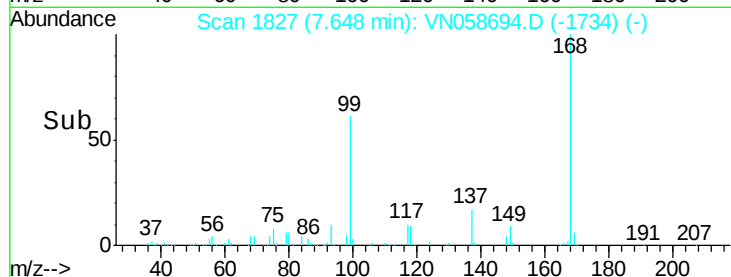
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.063 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058694.D

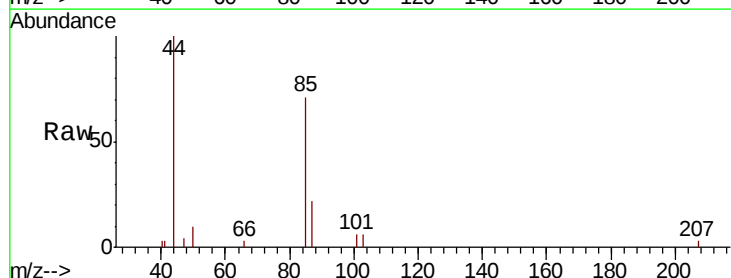
Acq: 11 Oct 2019 11:30

Tgt Ion: 85 Resp: 4995

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

4000

3000

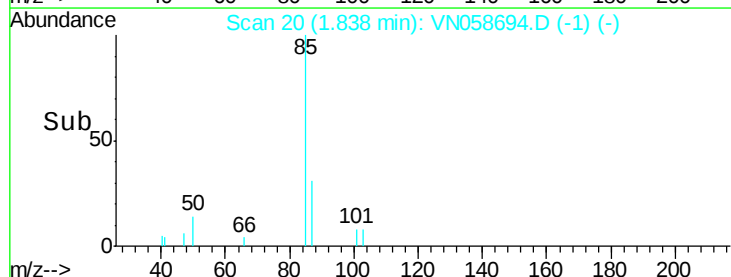
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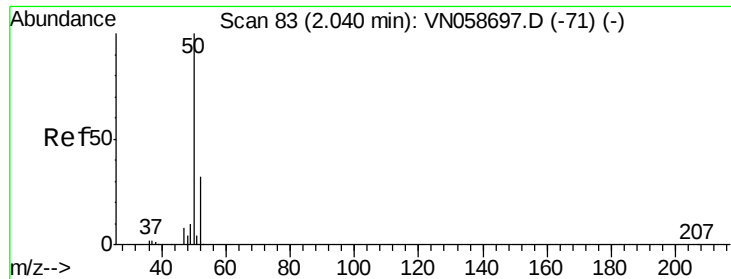
1000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 1.373 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 7194

Ion Ratio Lower Upper

50 100

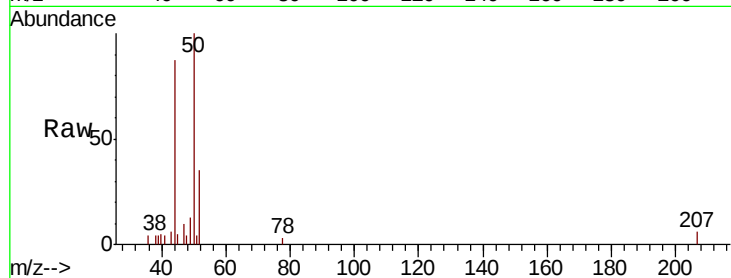
52 35.1 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN058697.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN058697.D (-71) (-)

2.04

5000

4000

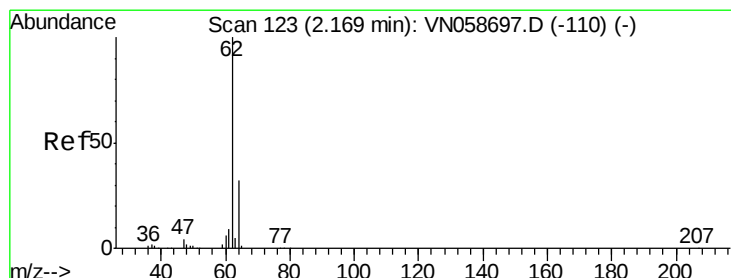
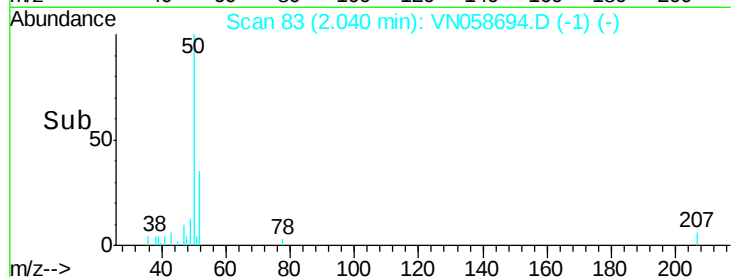
3000

2000

1000

0

Time-->



#4

Vinyl Chloride

Concen: 1.204 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058694.D

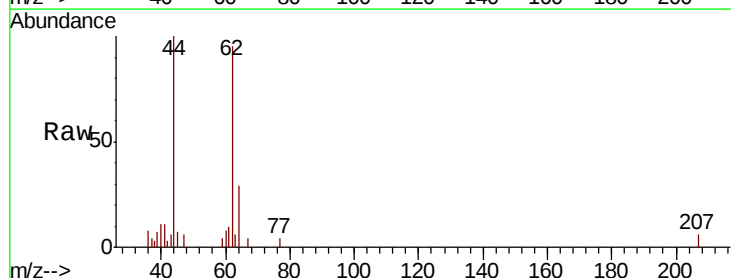
Acq: 11 Oct 2019 11:30

Tgt Ion: 62 Resp: 6201

Ion Ratio Lower Upper

62 100

64 30.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN058697.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN058697.D (-110) (-)

2.17

5000

4000

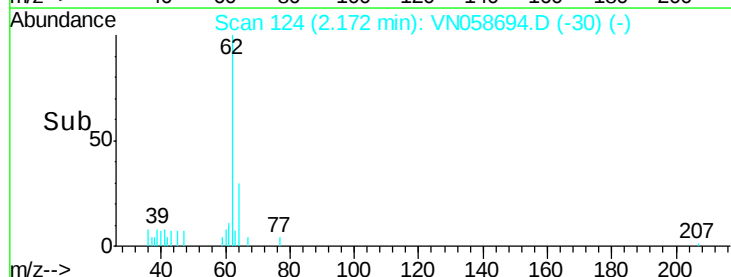
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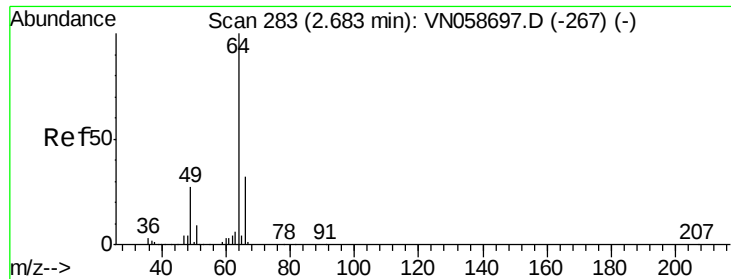
2000

1000

0

Time-->





#6

Chloroethane

Concen: 1.306 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 4038

Ion Ratio Lower Upper

64 100

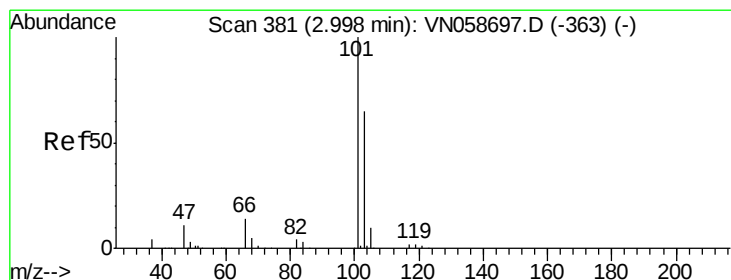
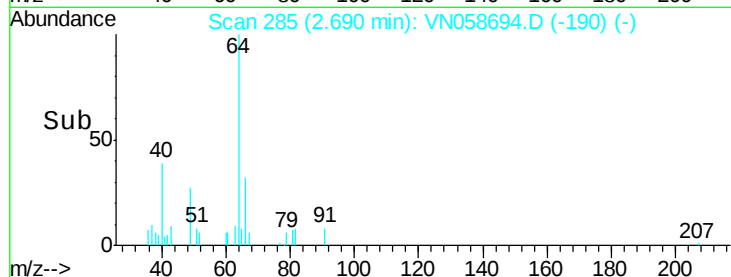
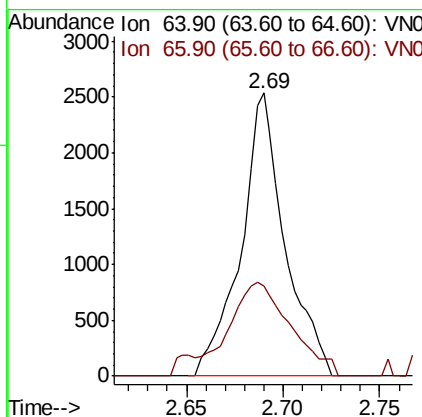
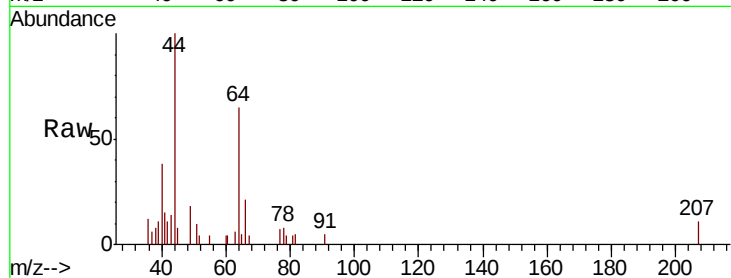
66 31.9 25.4 38.2

Manual Integrations

APPROVED

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10/16/2019 12:48:13 AM



#7

Trichlorofluoromethane

Concen: 1.296 ug/l

RT: 3.00 min Scan# 381

Delta R.T. 0.00 min

Lab File: VN058694.D

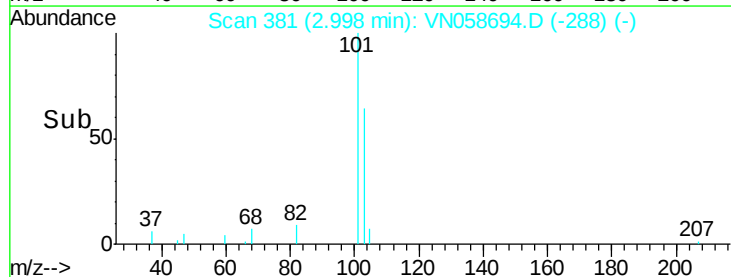
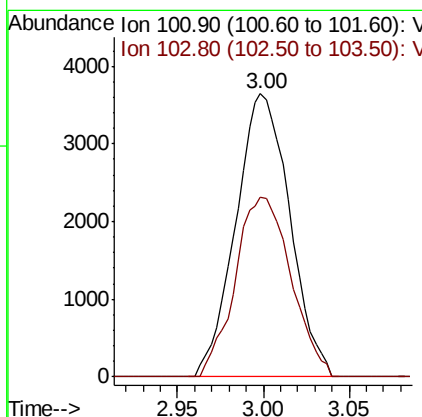
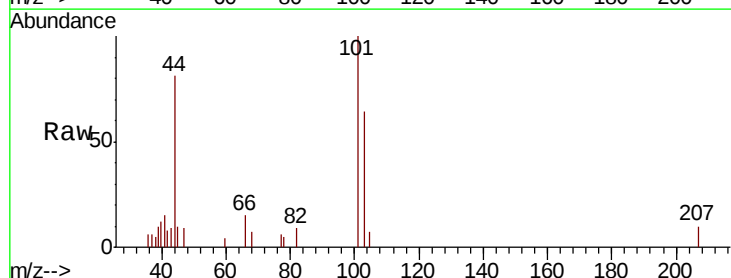
Acq: 11 Oct 2019 11:30

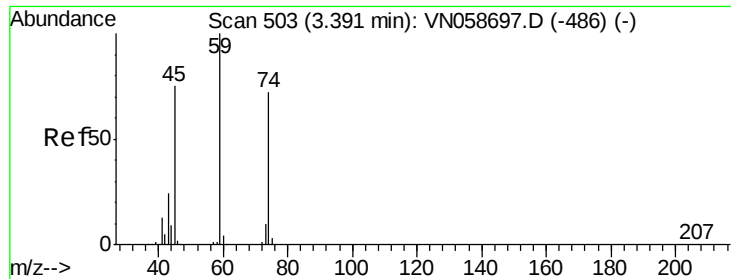
Tgt Ion: 101 Resp: 7961

Ion Ratio Lower Upper

101 100

103 63.5 51.8 77.6





#8

Diethyl Ether

Concen: 1.113 ug/l

RT: 3.39 min Scan# 504

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2878

Ion Ratio Lower Upper

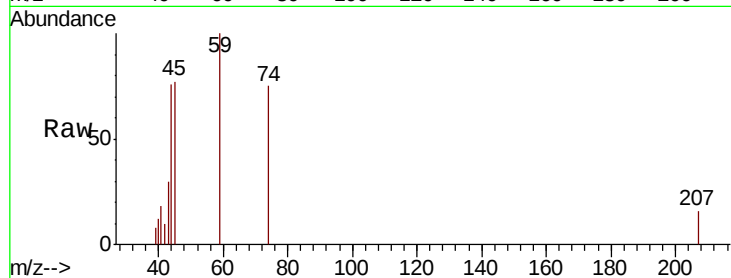
74 100

45 117.2 51.3 154.0

Manual Integrations
APPROVED

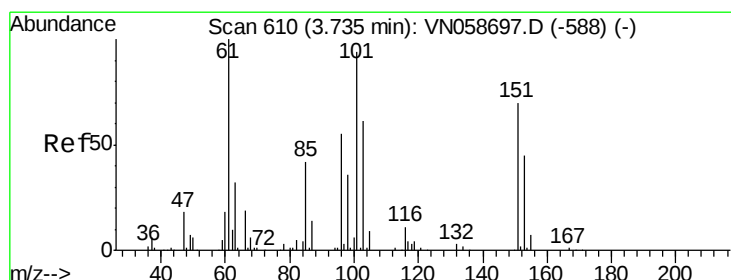
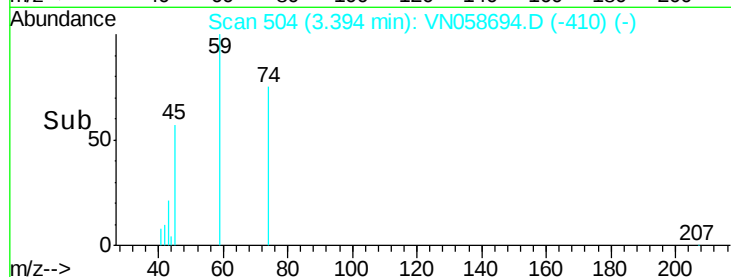
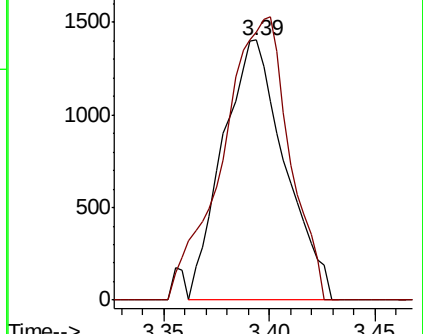
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10/16/2019 12:48:13 AM



Abundance Ion 74.00 (73.70 to 74.70): VN058694.D (-410) (-)

Ion 45.00 (44.70 to 45.70): VN058694.D (-410) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.093 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

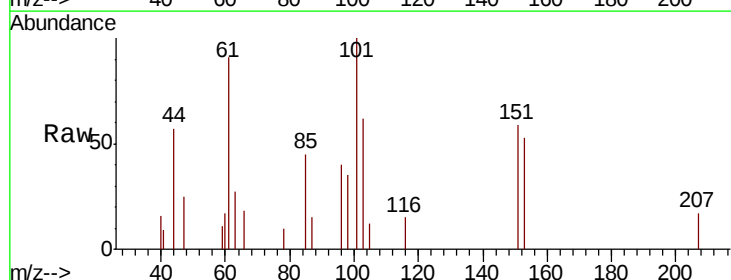
Tgt Ion: 101 Resp: 4425

Ion Ratio Lower Upper

101 100

85 34.6 37.0 55.6#

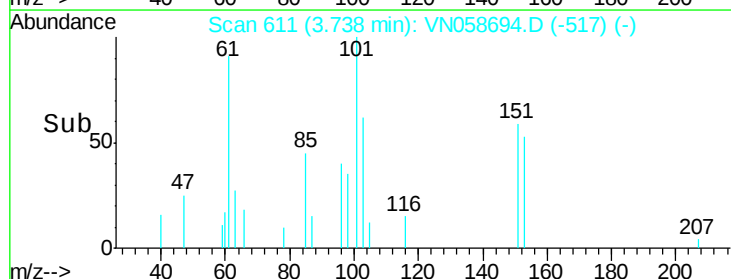
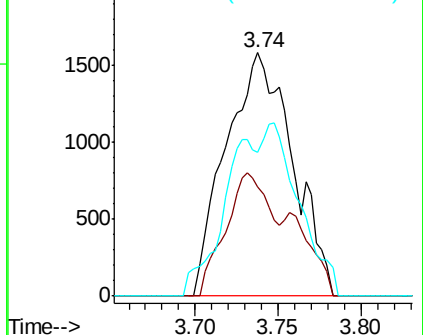
151 35.3 61.8 92.6#

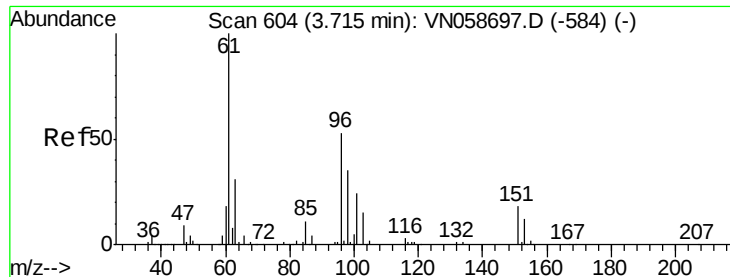


Abundance Ion 100.90 (100.60 to 101.60): VN058694.D (-517) (-)

Ion 84.90 (84.60 to 85.60): VN058694.D (-517) (-)

Ion 150.80 (150.50 to 151.50): VN058694.D (-517) (-)





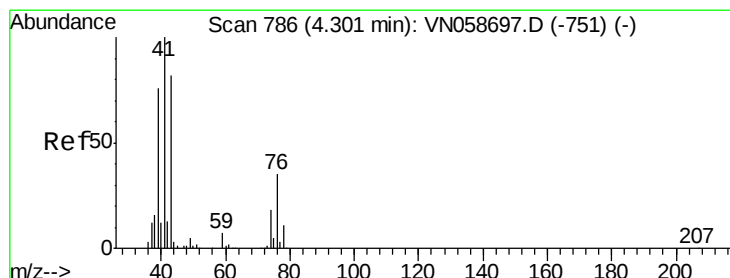
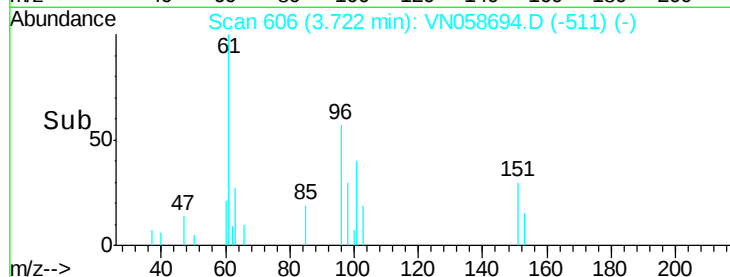
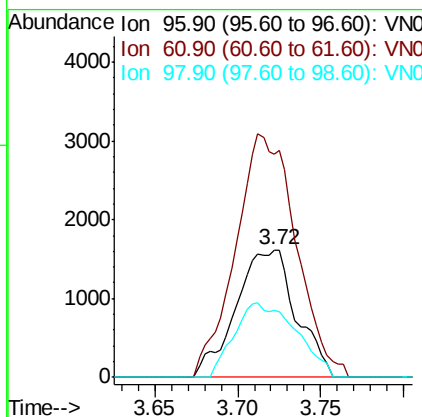
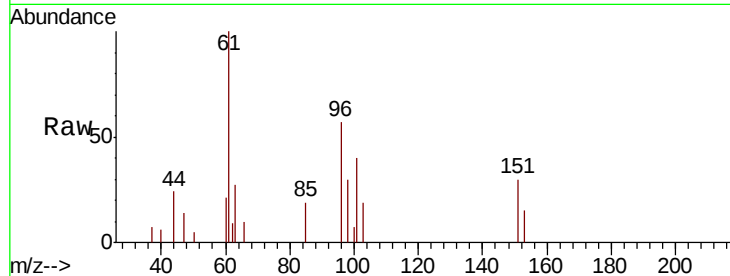
#12
1,1-Dichloroethene
Concen: 1.039 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN058694.D
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Instrument :
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ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.5	151.3	226.9
98	52.6	52.6	78.8

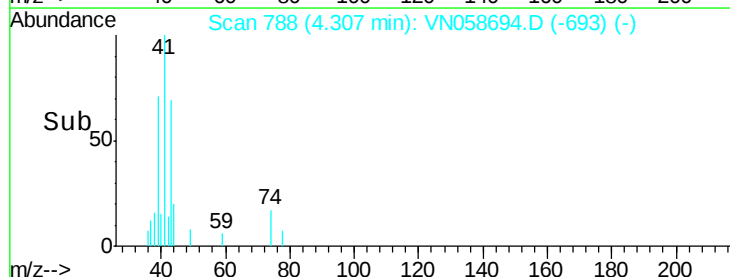
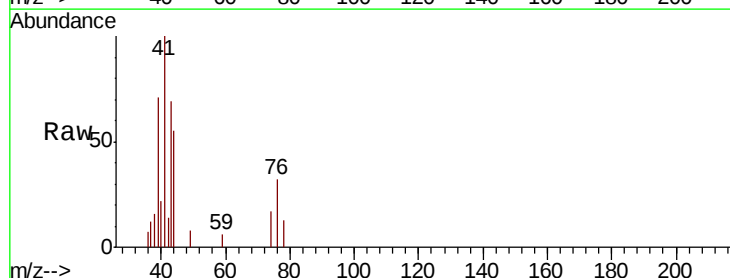
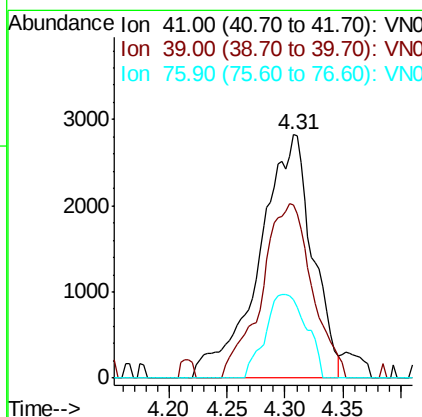
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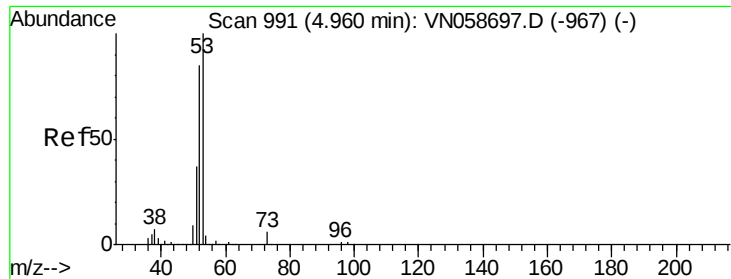
MMDadoda
10/16/2019 12:48:13 AM



#14
Allyl chloride
Concen: 1.231 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.1	57.2	85.8
76	26.4	25.0	37.6





#15

Acrylonitrile

Concen: 5.320 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

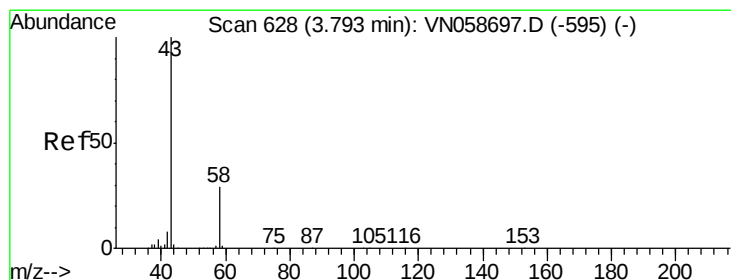
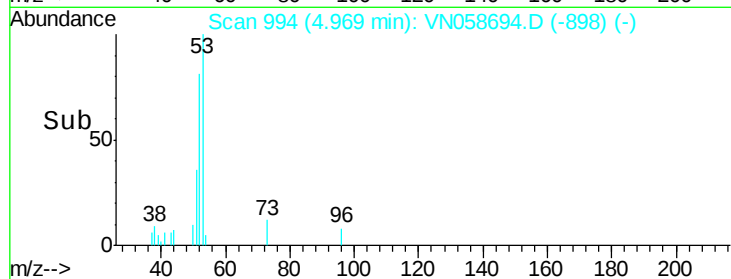
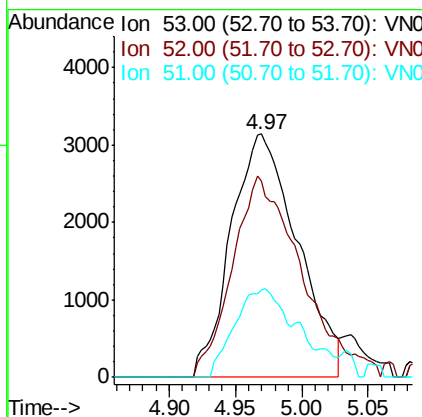
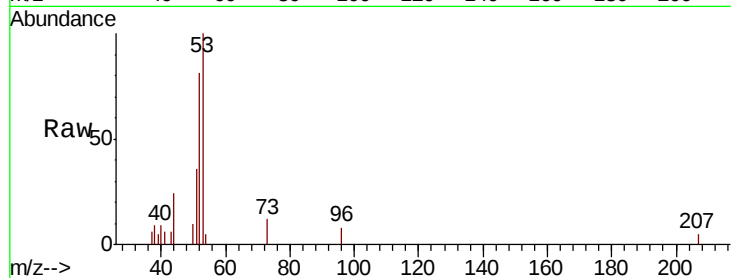
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	10917
Ion Ratio	Lower	Upper	
53	100		
52	86.2	66.2	99.2
51	26.8	29.4	44.2#

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#16

Acetone

Concen: 6.288 ug/l

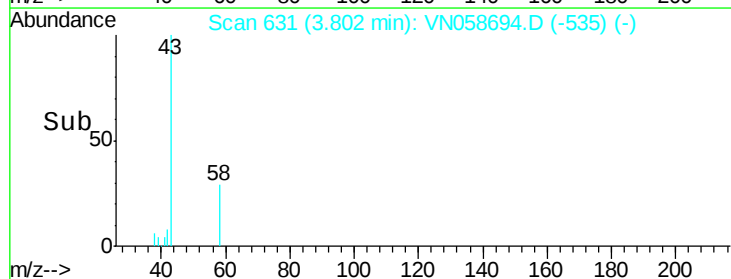
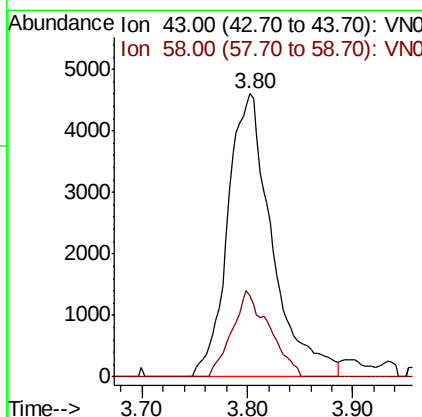
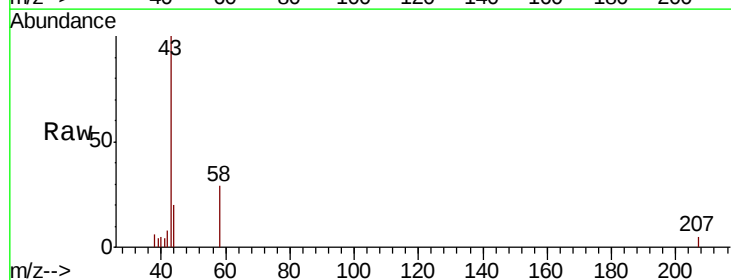
RT: 3.80 min Scan# 631

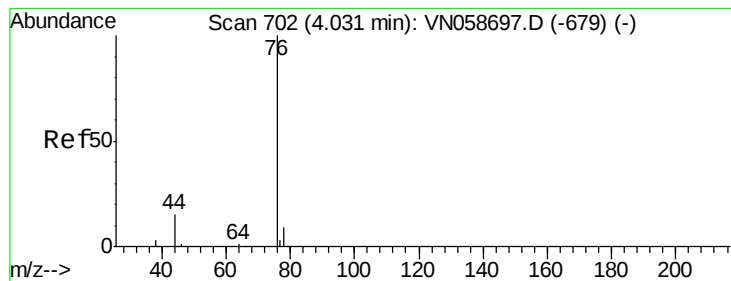
Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Tgt Ion:	43	Resp:	13465
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.3	34.9





#17

Carbon Disulfide

Concen: 1.311 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 14028

Ion Ratio Lower Upper

76 100

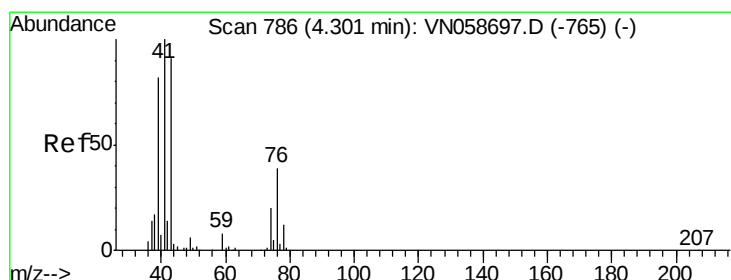
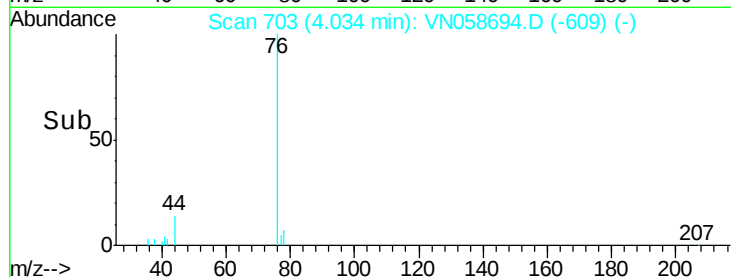
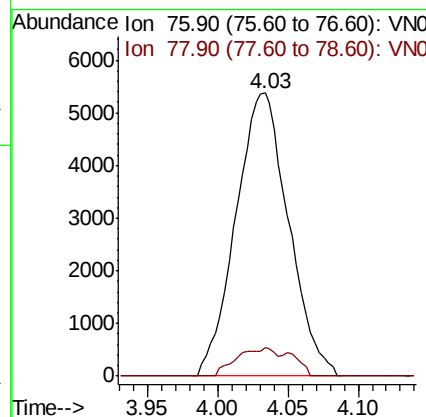
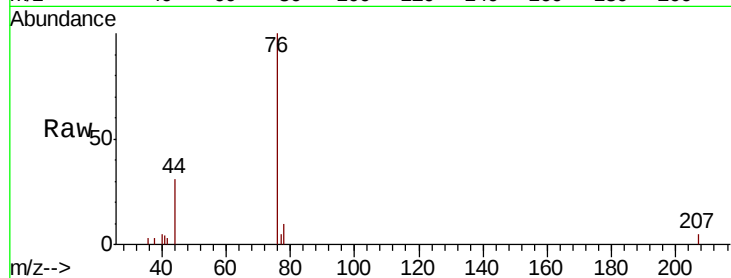
78 9.9 7.1 10.7

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#18

Methyl Acetate

Concen: 1.185 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN058694.D

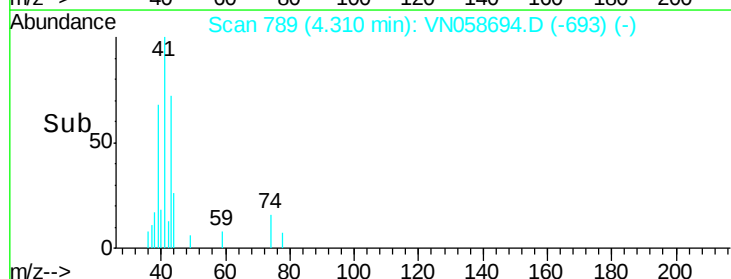
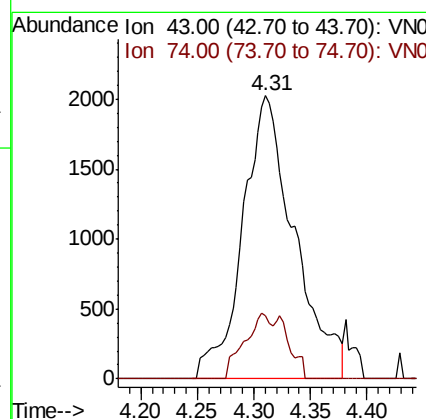
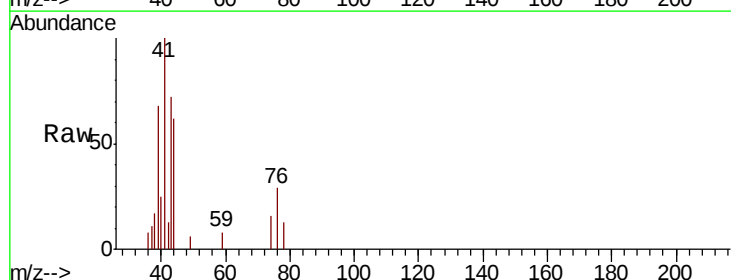
Acq: 11 Oct 2019 11:30

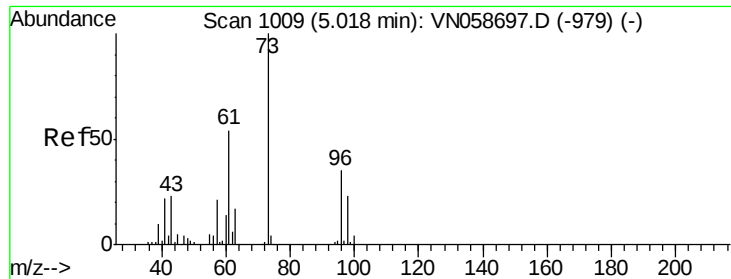
Tgt Ion: 43 Resp: 6430

Ion Ratio Lower Upper

43 100

74 12.3 17.2 25.8#





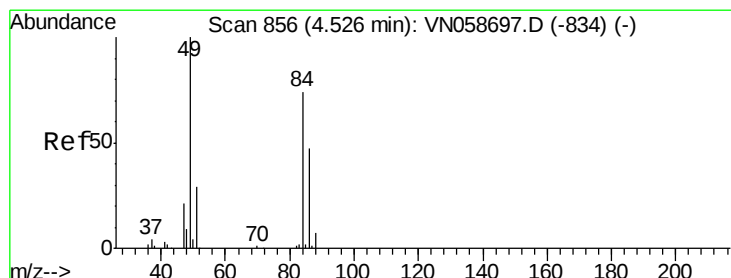
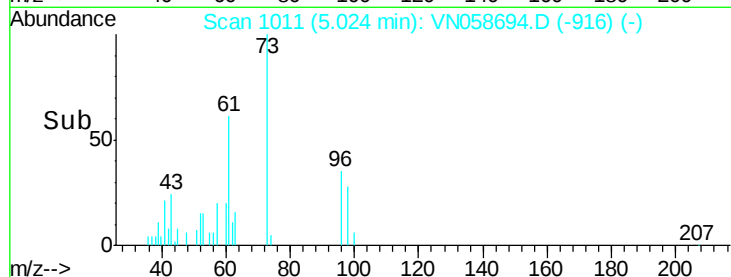
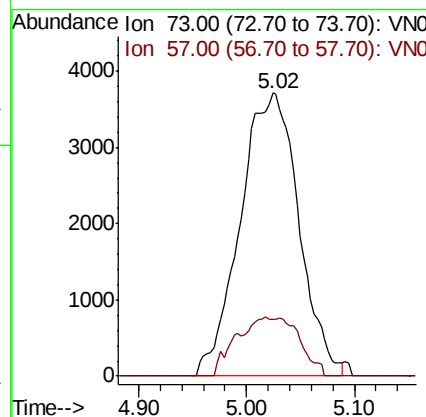
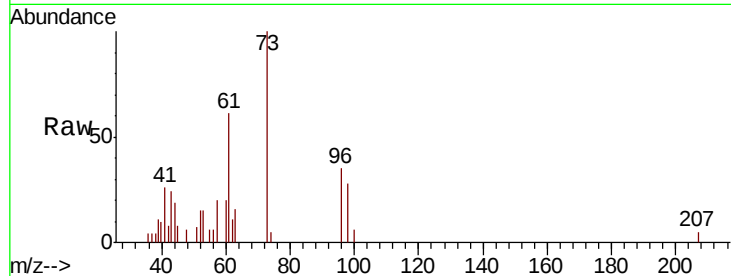
#19
Methvl tert-butvl Ether
Concen: 0.998 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 13990
Ion Ratio Lower Upper
73 100
57 19.9 17.0 25.6

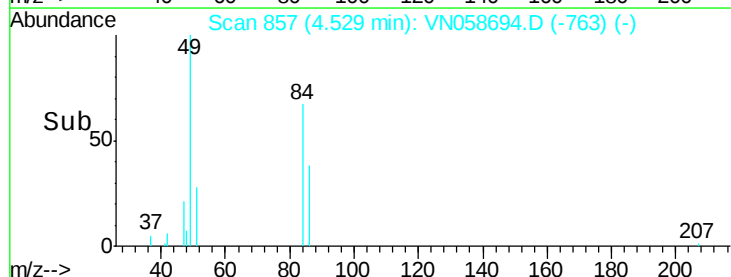
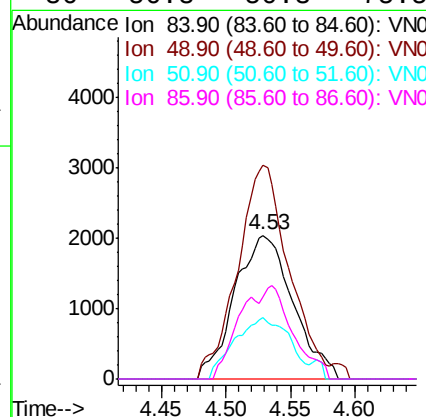
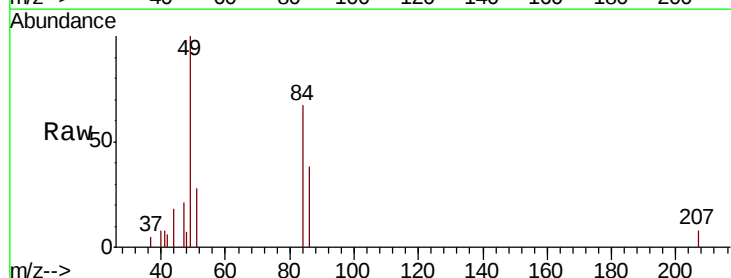
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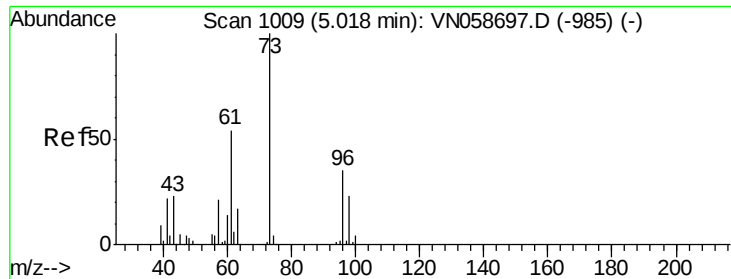
MMDadoda
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#20
Methylene Chloride
Concen: 1.322 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 84 Resp: 6396
Ion Ratio Lower Upper
84 100
49 148.5 107.6 161.4
51 42.3 31.4 47.0
86 56.8 50.3 75.5





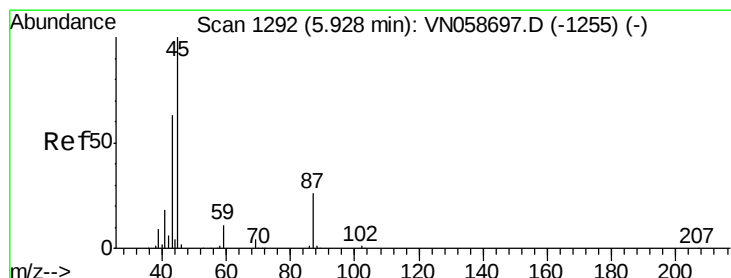
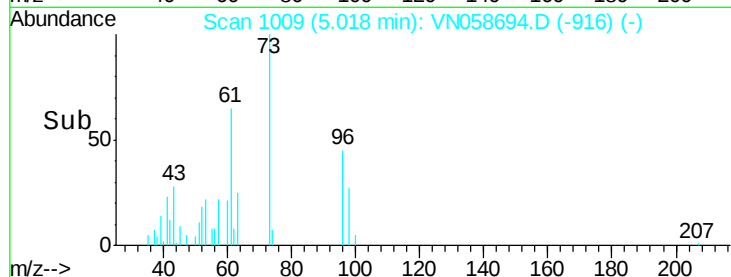
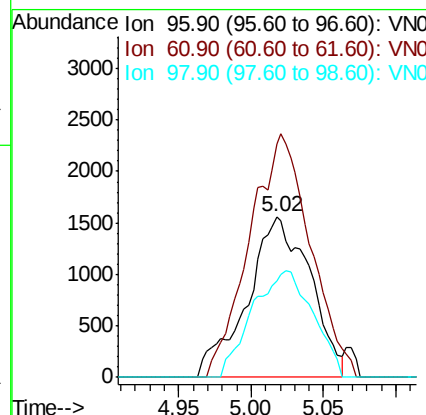
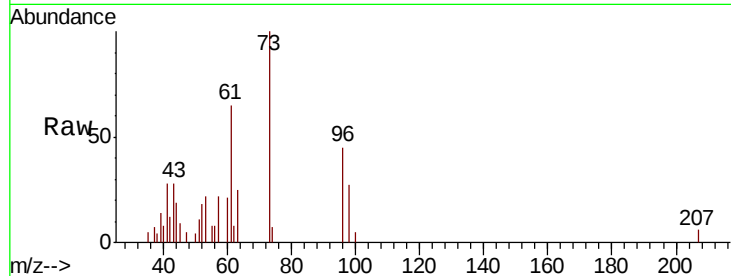
#21
trans-1,2-Dichloroethene
Concen: 1.068 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	123.6	185.4
98	60.2	52.1	78.1

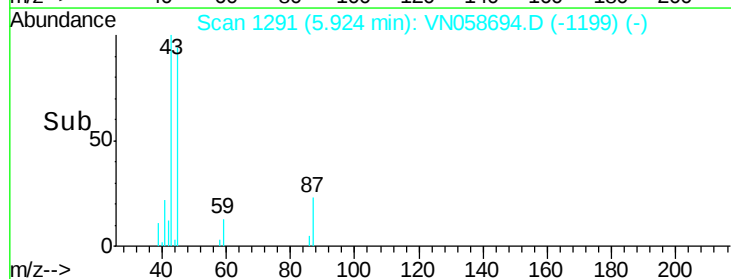
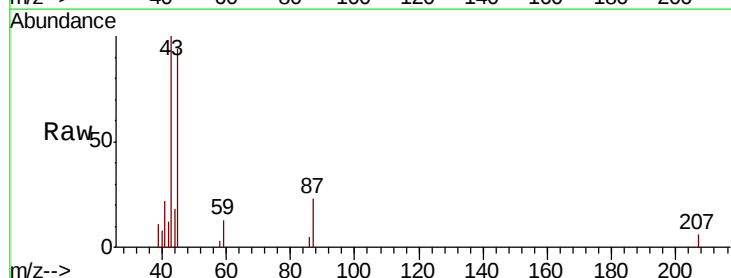
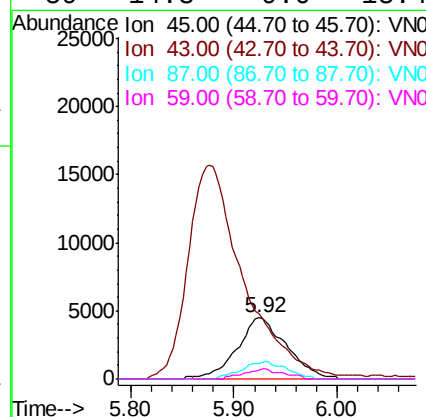
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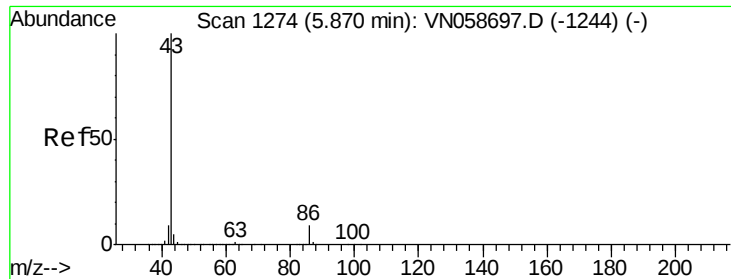
MMDadoda
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#22
Diisopropyl ether
Concen: 0.954 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	100.2	50.6	75.8#
87	24.9	21.1	31.7
59	14.3	9.0	13.4#





#23

Vinyl Acetate

Concen: 4.992 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 59055

Ion Ratio Lower Upper

43 100

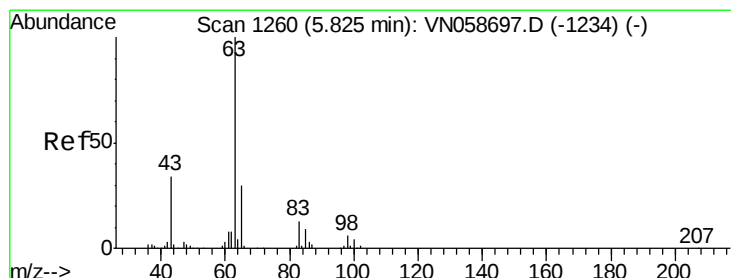
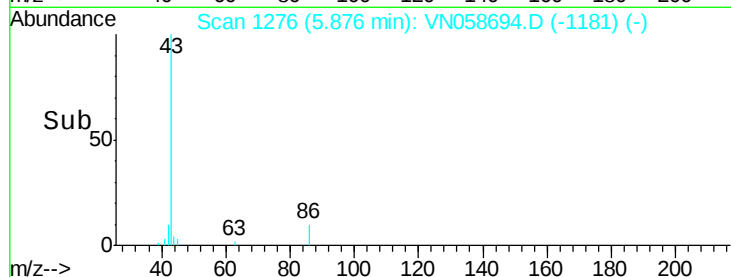
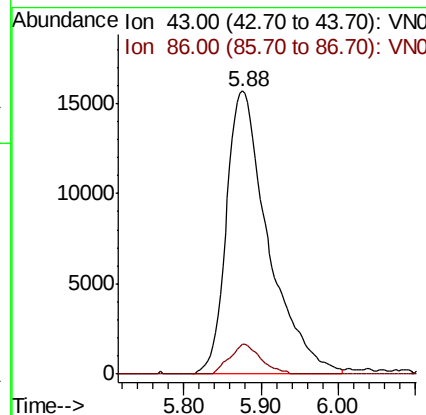
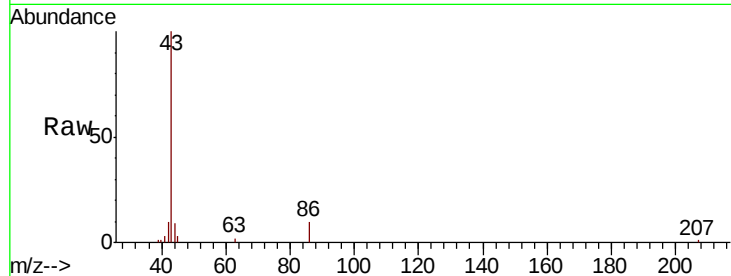
86 10.4 7.4 11.0

Manual Integrations

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MMDadoda

10/16/2019 12:48:13 AM



#24

1,1-Dichloroethane

Concen: 1.030 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

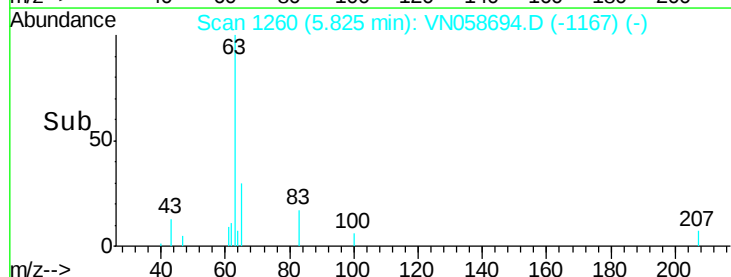
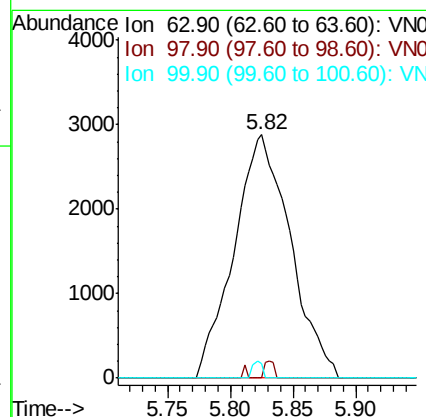
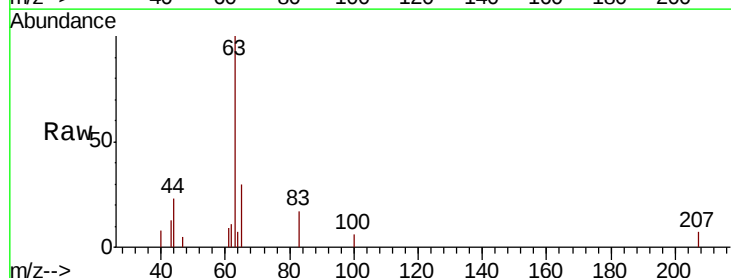
Tgt Ion: 63 Resp: 8997

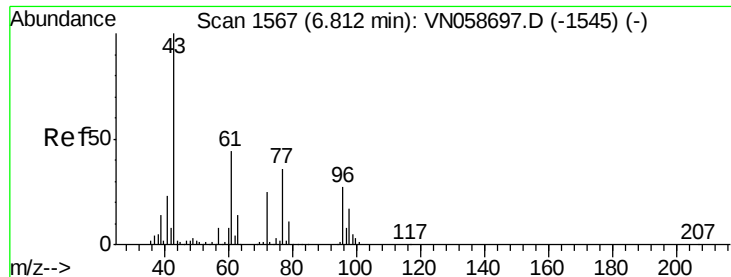
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.6#

100 6.0 1.8 5.5#





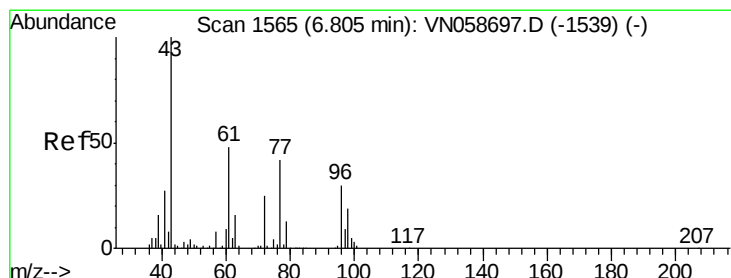
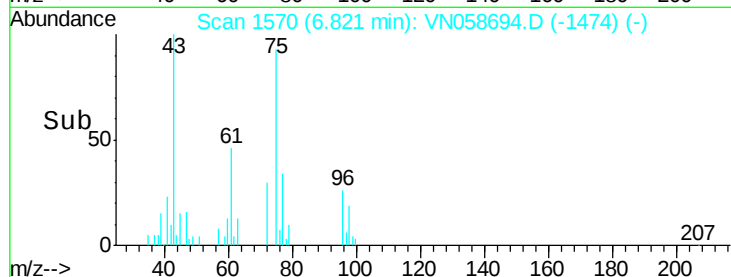
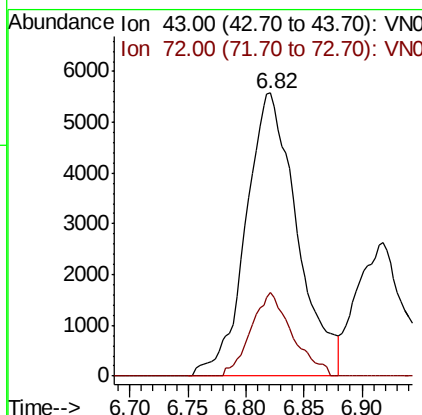
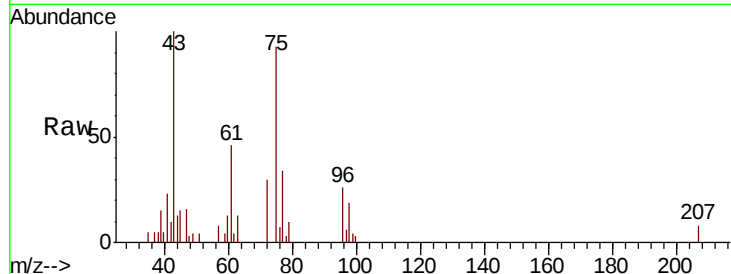
#25
 2-Butanone
 Concen: 5.788 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 43 Resp: 17157
 Ion Ratio Lower Upper
 43 100
 72 29.6 20.2 30.2

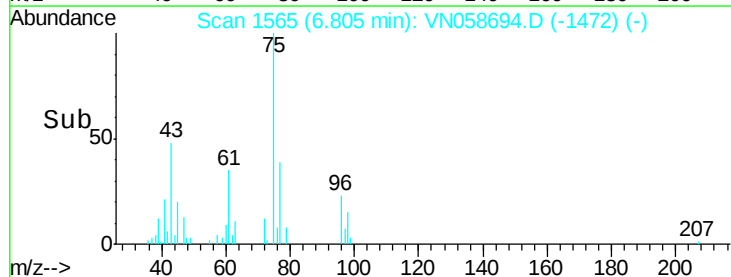
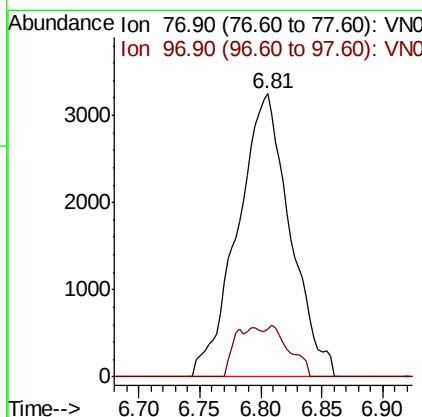
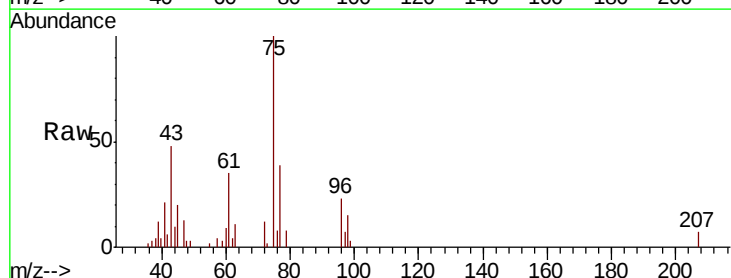
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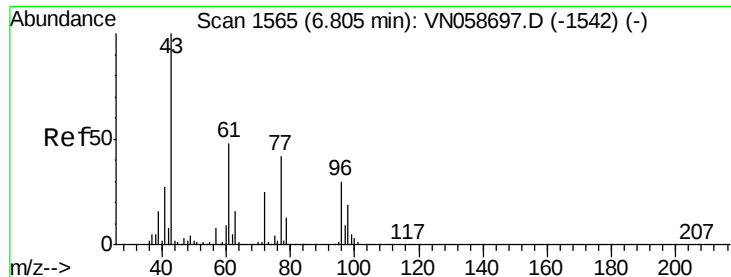
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#26
 2,2-Dichloropropane
 Concen: 1.333 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 77 Resp: 9669
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 31.9#





#27

cis-1,2-Dichloroethene

Concen: 1.145 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

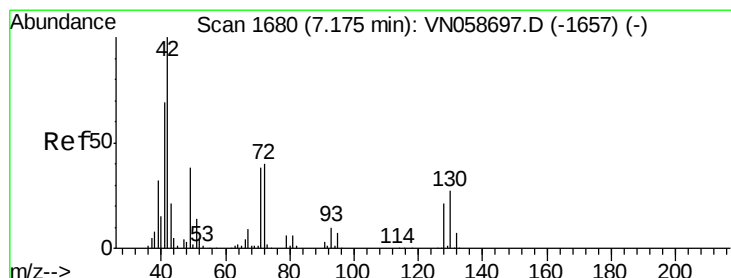
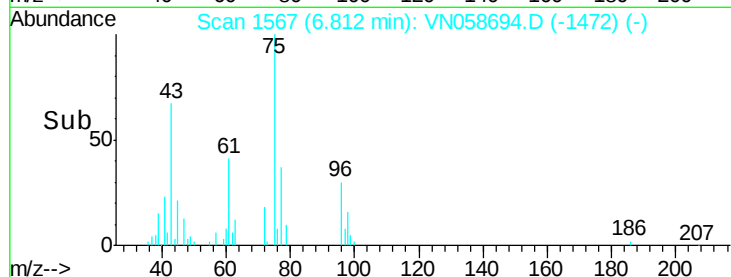
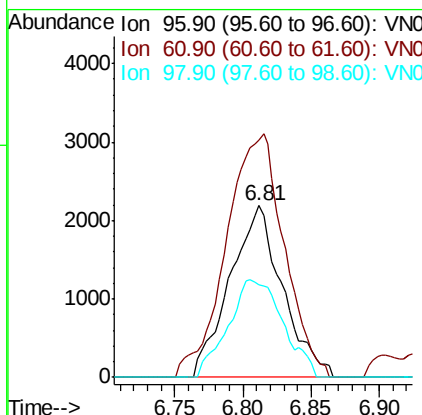
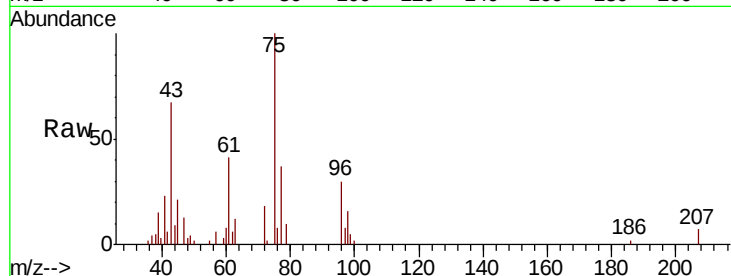
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	5867
Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	324.8
98	59.2	0.0	129.2

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#28

Bromochloromethane

Concen: 0.984 ug/l

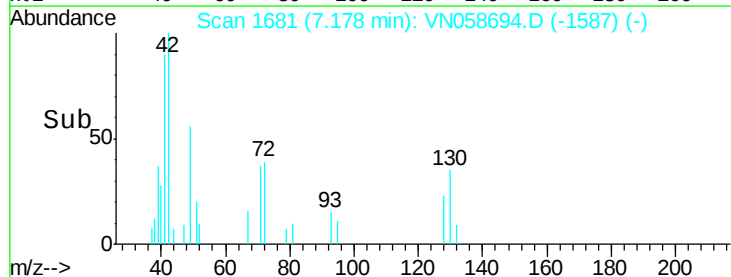
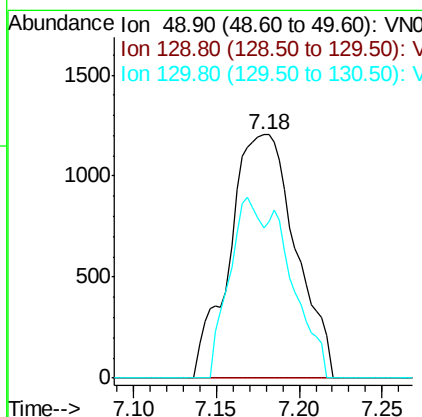
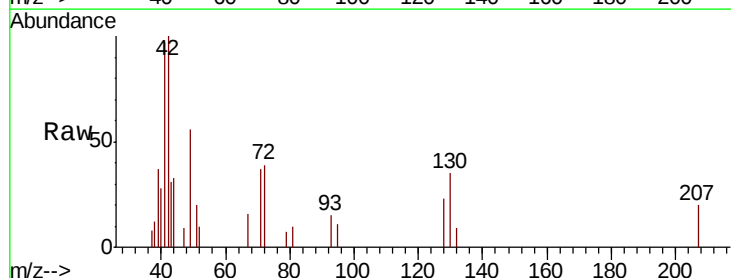
RT: 7.18 min Scan# 1681

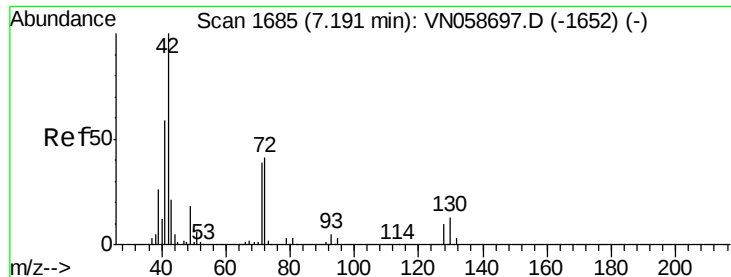
Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Tgt Ion:	49	Resp:	3347
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	36.8	55.0	82.4#





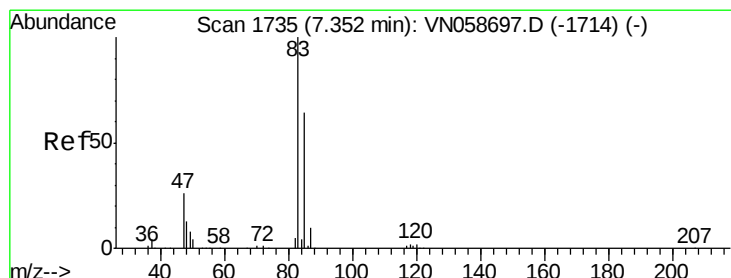
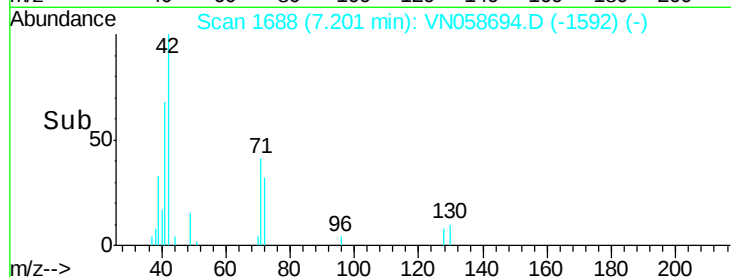
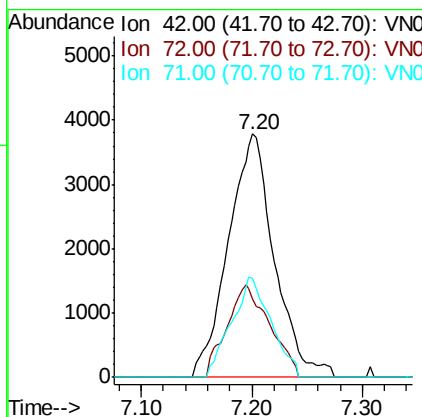
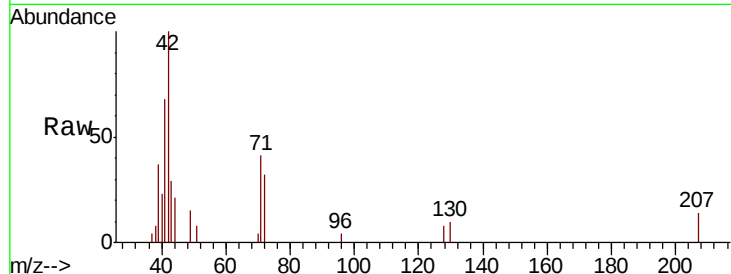
#29
Tetrahydrofuran
Concen: 5.775 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	32.8	49.2
71	35.4	31.1	46.7

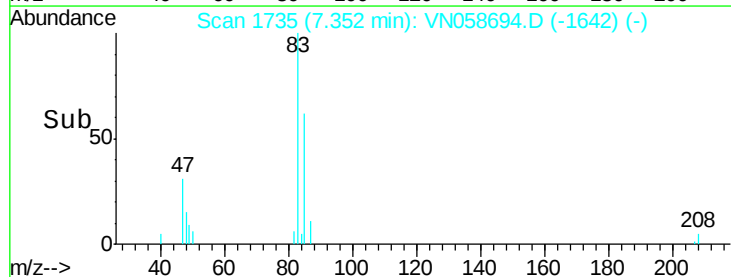
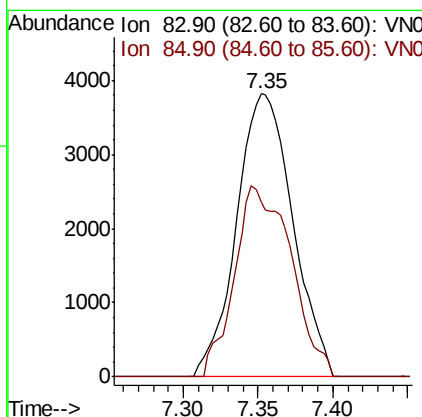
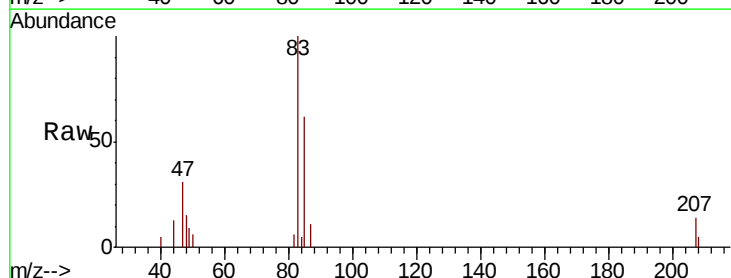
Manual Integrations
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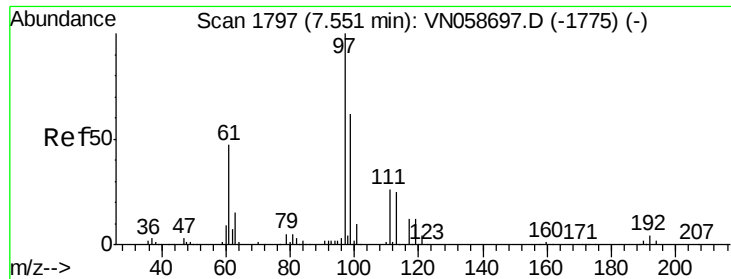
MMDadoda
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#30
Chloroform
Concen: 1.132 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.0	76.6





#32

1,1,1-Trichloroethane

Concen: 1.036 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

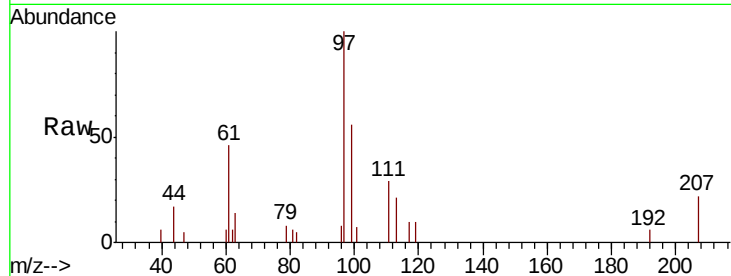
ClientSampled :

VSTDIC001

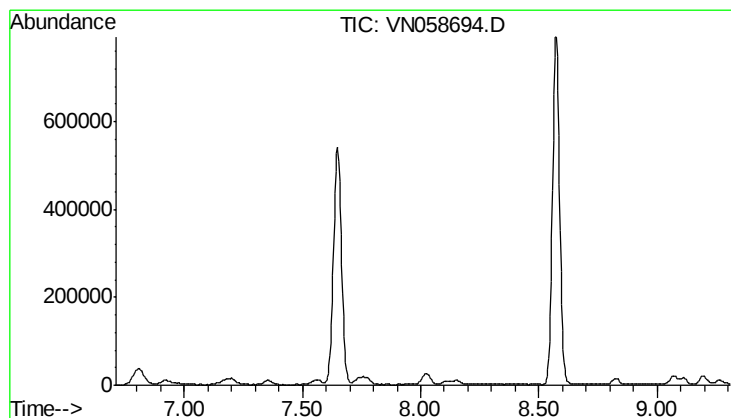
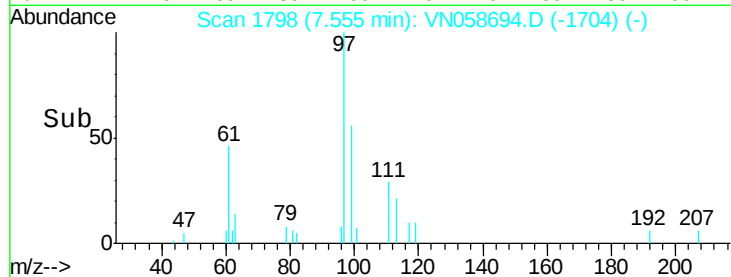
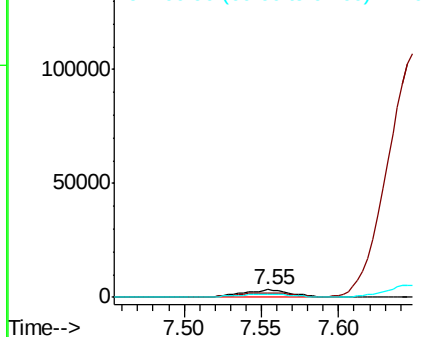
Tot Ion:	97	Resp:	7557
Ion Ratio	Lower	Upper	
97	100		
99	0.0	50.8	76.2#
61	51.0	38.1	57.1

Manual Integrations
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Abundance Ion 96.90 (96.60 to 97.60): VN058694.D
Ion 98.90 (98.60 to 99.60): VN058694.D
Ion 60.90 (60.60 to 61.60): VN058694.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.01 min

Lab File: VN058694.D

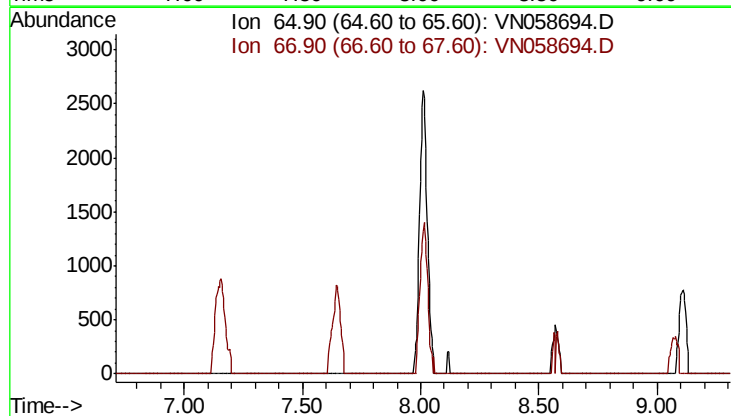
Acq: 11 Oct 2019 11:30

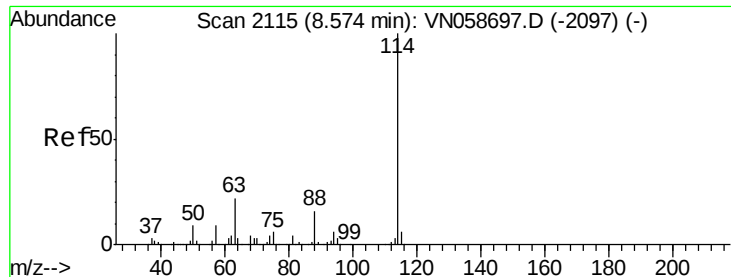
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.9





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

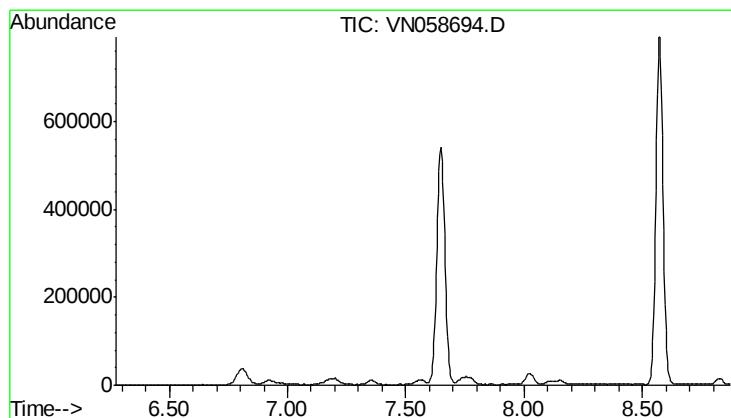
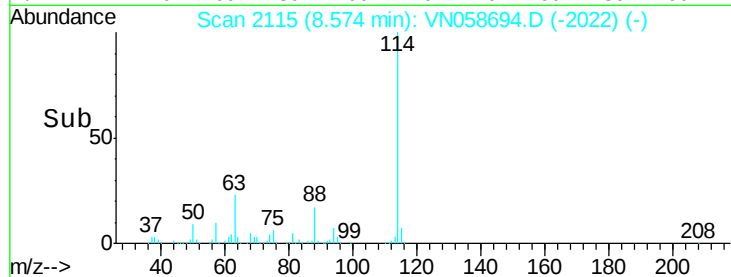
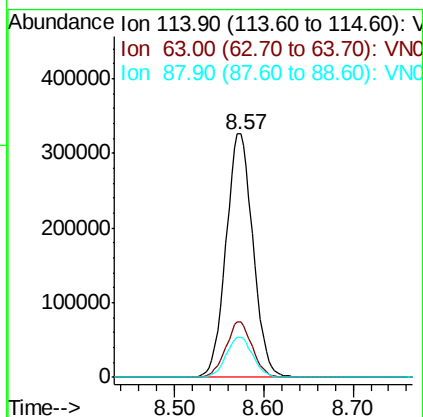
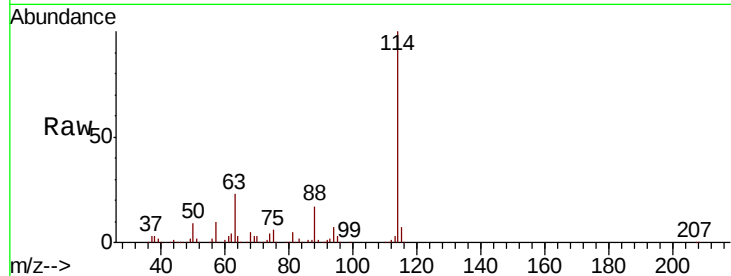
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
114	100			
63	22.7	0.0	43.8	
88	16.6	0.0	32.0	

Manual Integrations
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MMDadoda
10/16/2019 12:48:13 AM



#35

Dibromofluoromethane

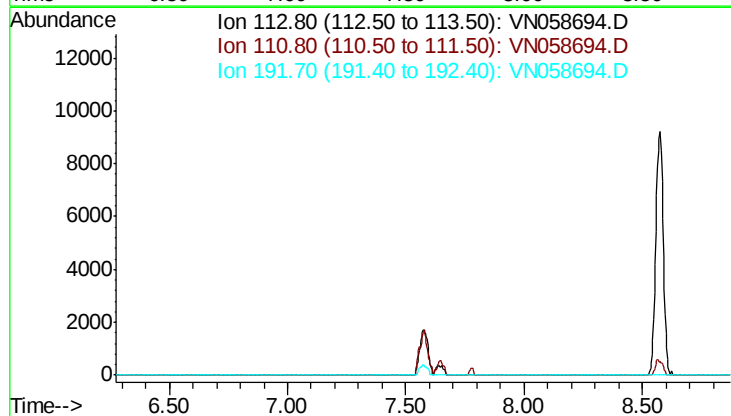
Concen: 0.000 ug/l

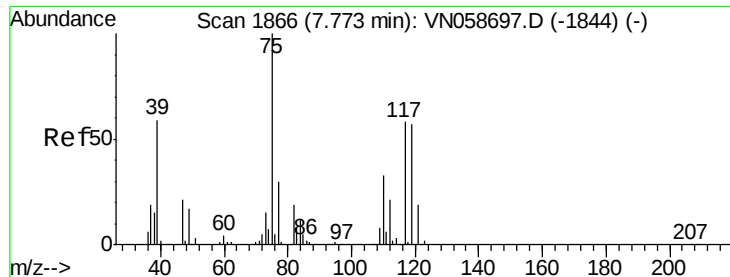
Expected RT: 7.57 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Tgt Ion	Exp Ratio
113	100
111	102.9
192	18.8





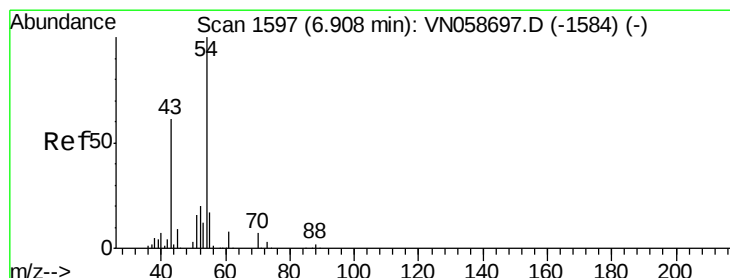
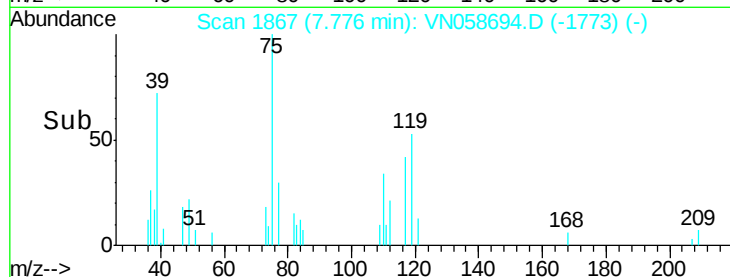
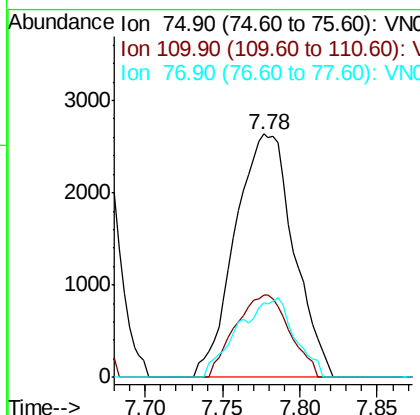
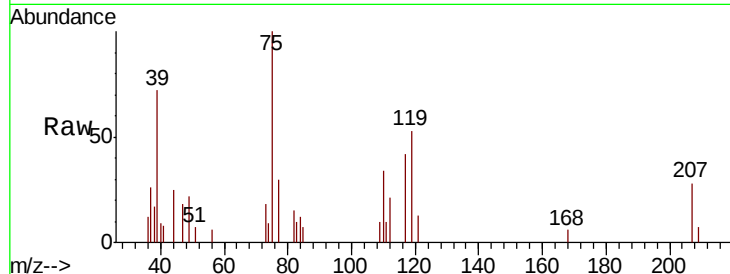
#36
 1,1-Dichloropropene
 Concen: 1.060 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.6	49.8
77	31.4	24.6	37.0

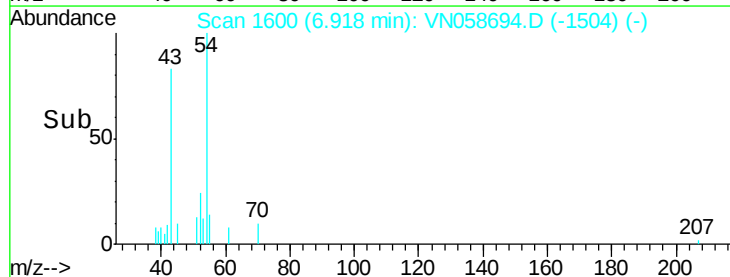
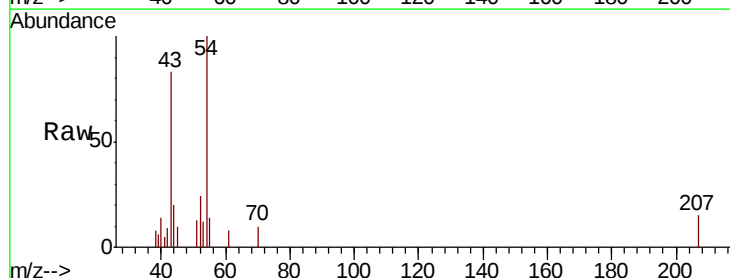
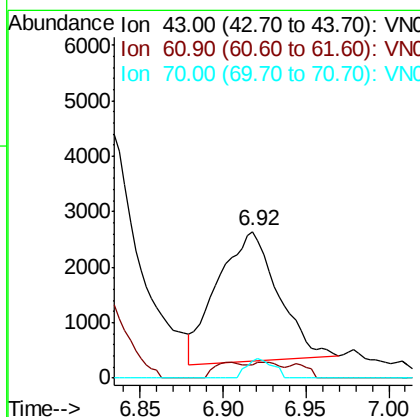
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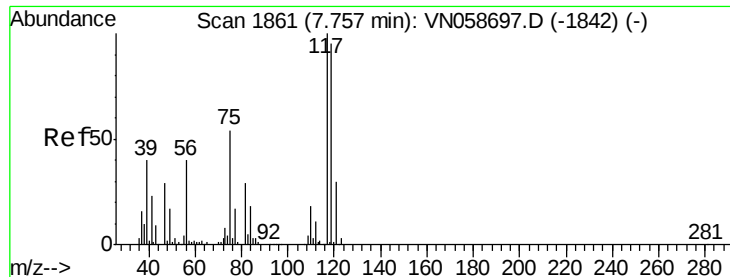
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 10/16/2019 12:48:13 AM



#37
 Ethyl Acetate
 Concen: 1.026 ug/l
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.3	11.3	16.9#
70	6.6	7.2	10.8#





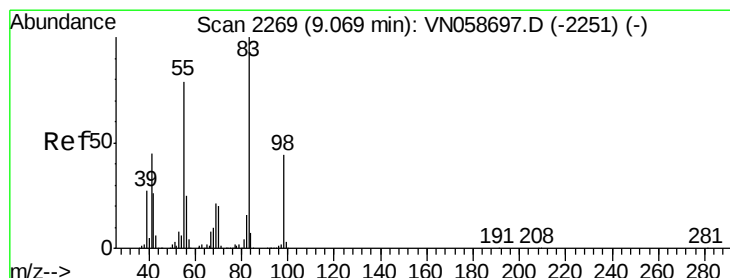
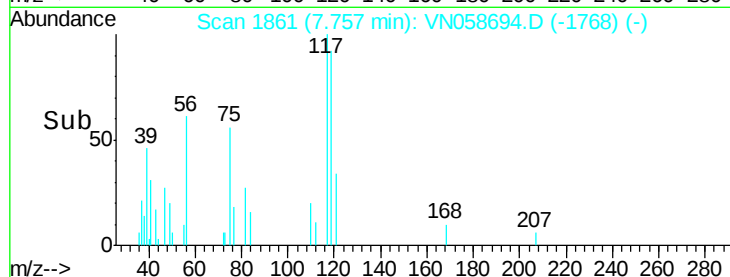
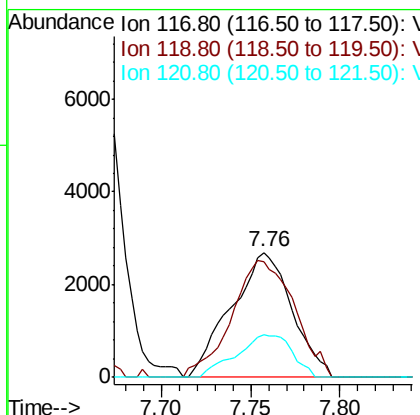
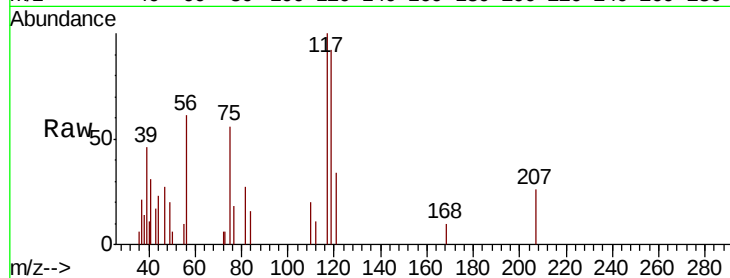
#38
Carbon Tetrachloride
Concen: 1.067 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.2	75.7	113.5
121	33.8	23.9	35.9

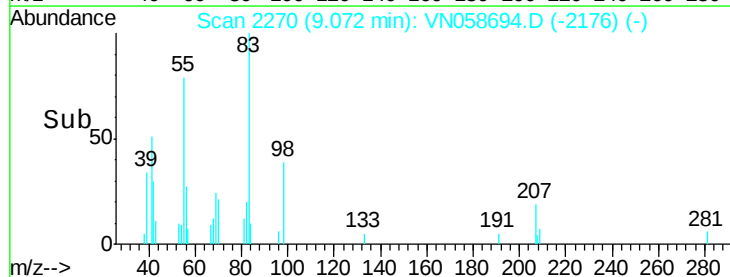
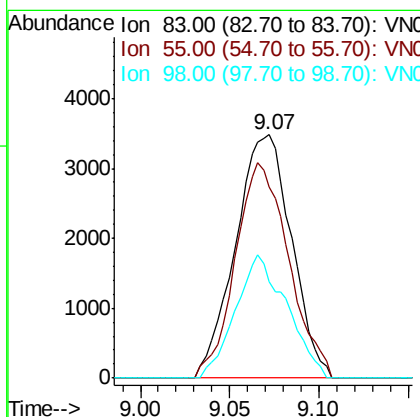
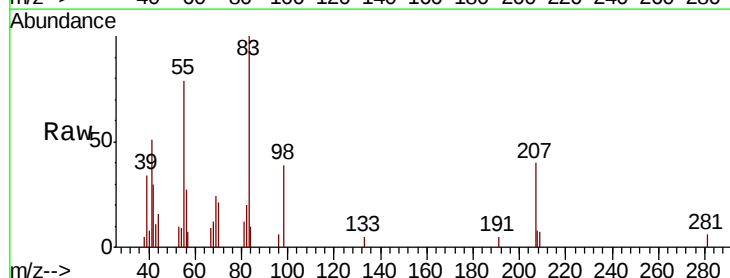
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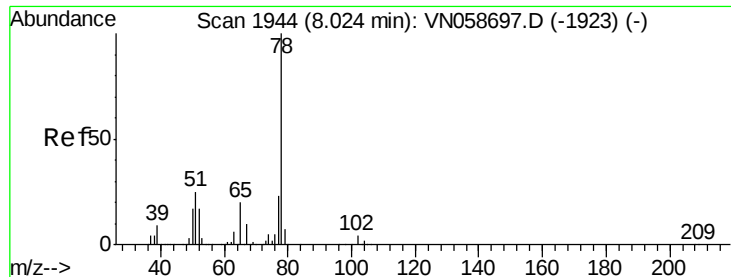
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#39
Methylcyclohexane
Concen: 0.991 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.5	63.4	95.0
98	39.5	35.1	52.7





#40

Benzene

Concen: 1.071 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 20188

Ion Ratio Lower Upper

78 100

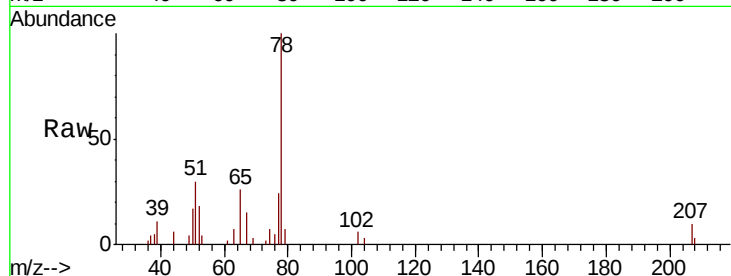
77 24.0 18.8 28.2

Manual Integrations

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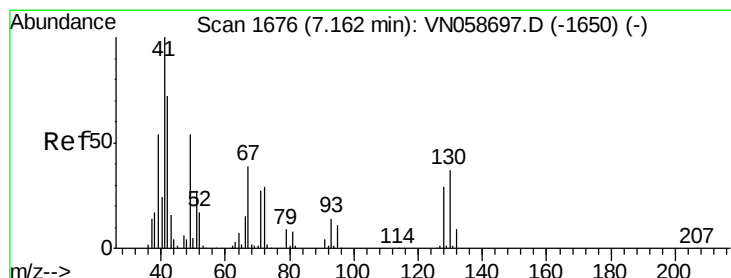
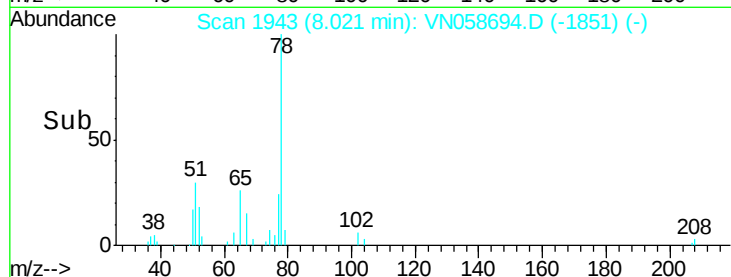
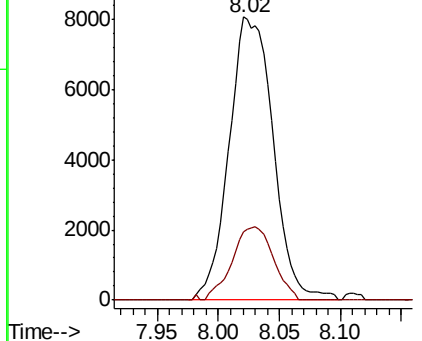
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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.884 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.02 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Tgt Ion: 41 Resp: 2387

Ion Ratio Lower Upper

41 100

39 0.0 115.4 173.2#

67 107.2 0.0 0.0#

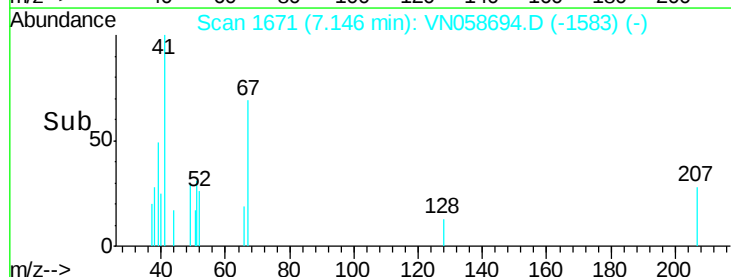
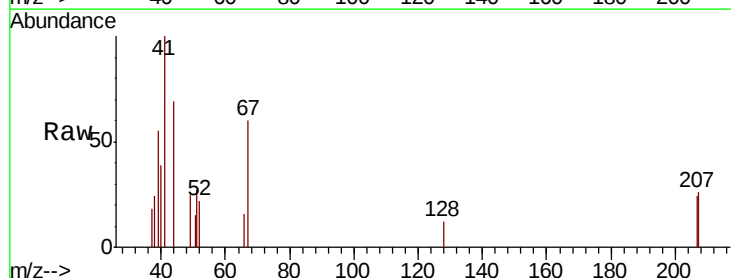
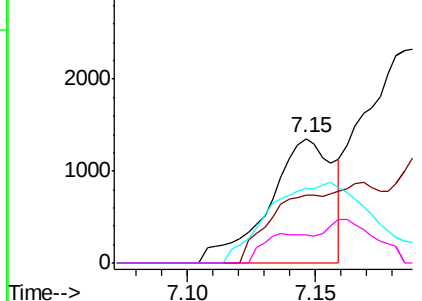
52 27.4 0.0 0.0#

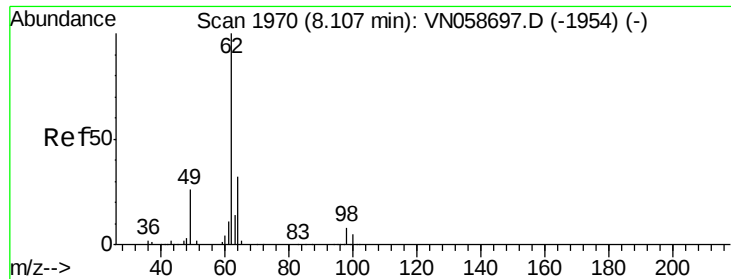
Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 1.083 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 7938

Ion Ratio Lower Upper

62 100

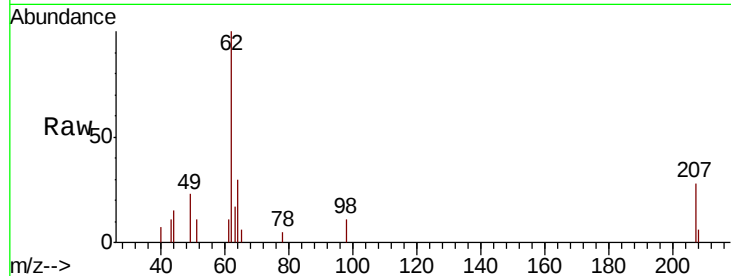
98 6.9 0.0 15.8

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.11

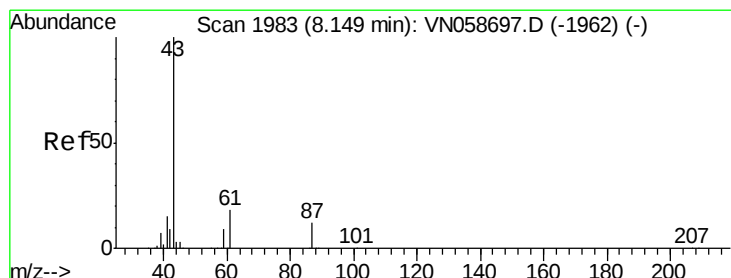
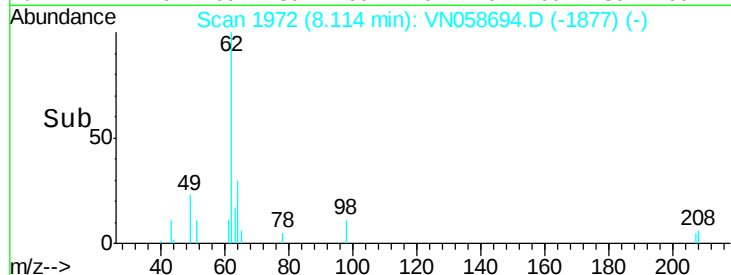
3000

2000

1000

0

Time-->



#43

Isopropyl Acetate

Concen: 1.130 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

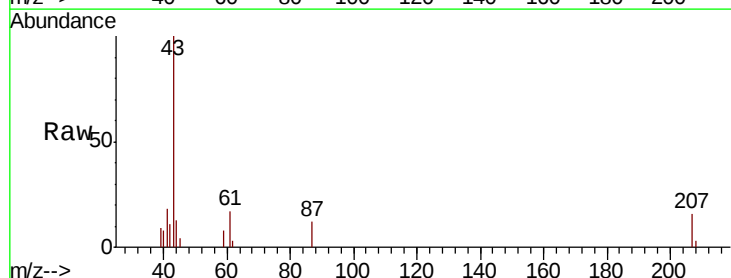
Tgt Ion: 43 Resp: 12057

Ion Ratio Lower Upper

43 100

61 14.1 20.3 30.5#

87 10.7 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.15

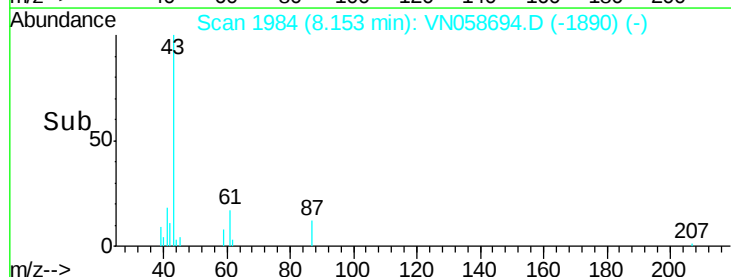
6000

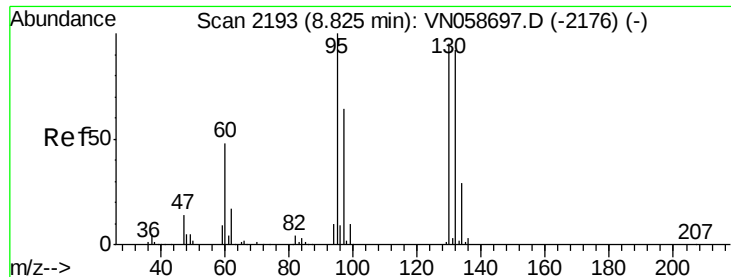
4000

2000

0

Time-->





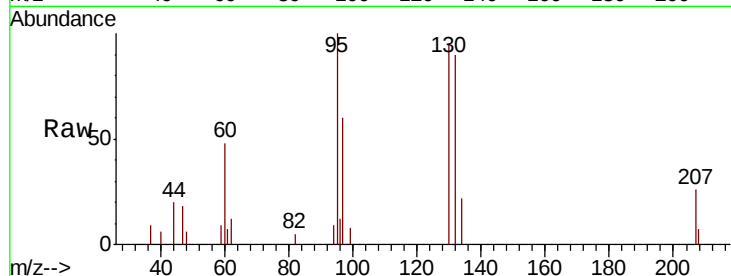
#44
 Trichloroethene
 Concen: 1.099 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

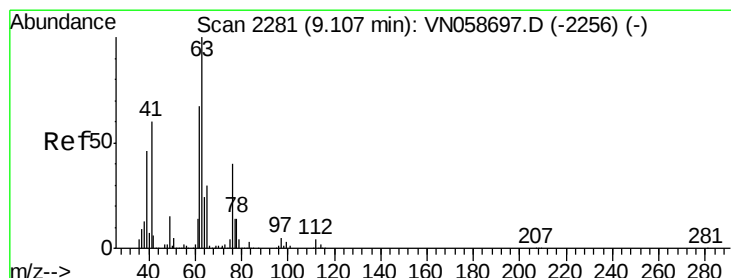
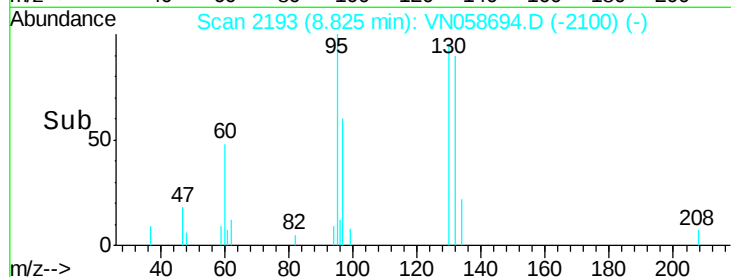
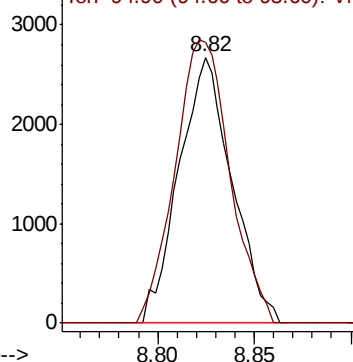
Tot Ion:130 Resp: 5106
 Ion Ratio Lower Upper
 130 100
 95 105.7 0.0 211.2

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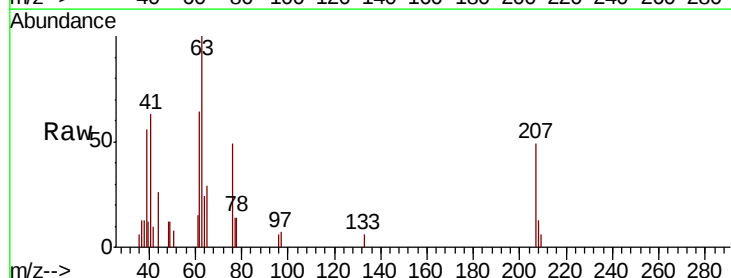


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VNO

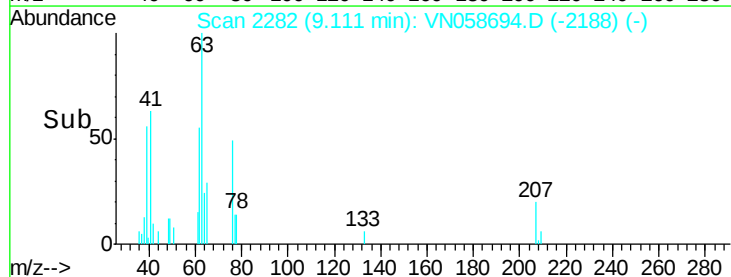
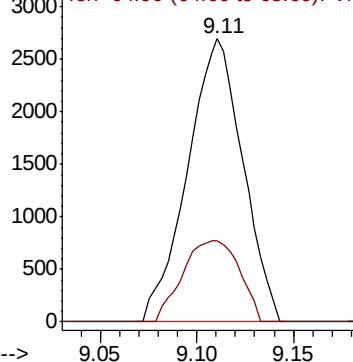


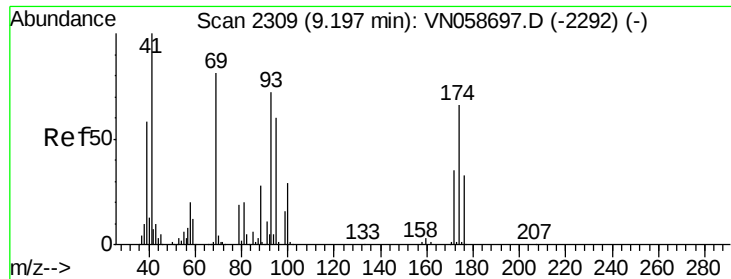
#45
 1,2-Dichloropropane
 Concen: 1.061 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 63 Resp: 5369
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VNO
 Ion 64.90 (64.60 to 65.60): VNO





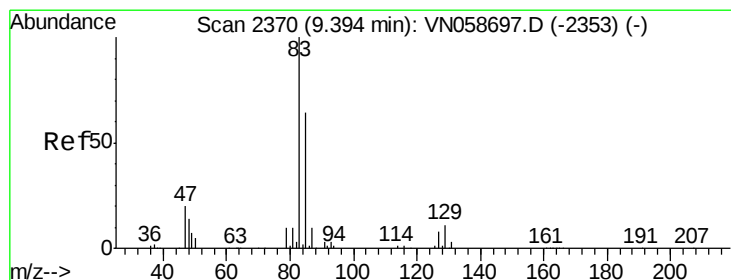
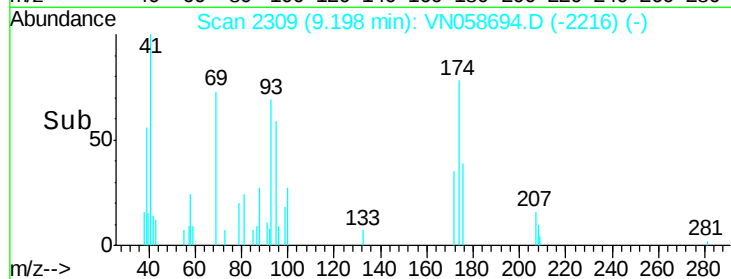
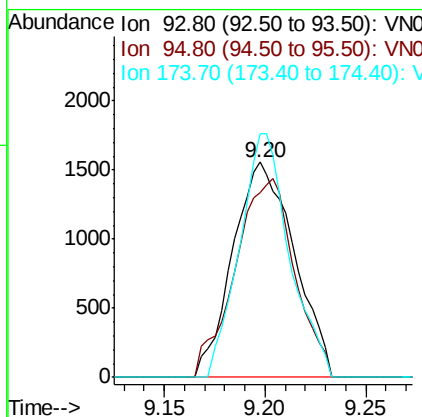
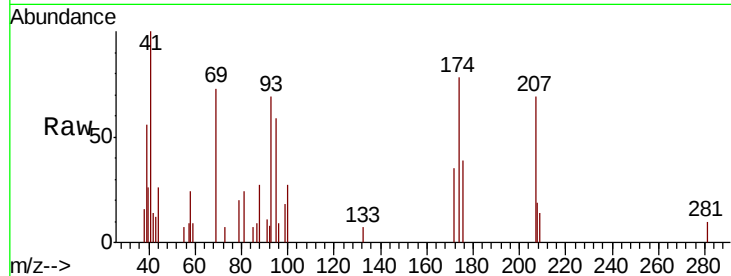
#46
Dibromomethane
Concen: 1.029 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	89.4	66.6	100.0
174	92.2	75.2	112.8

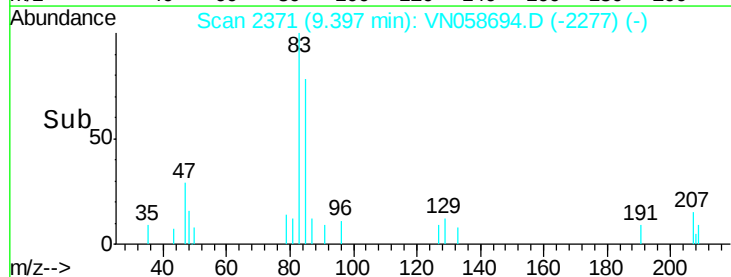
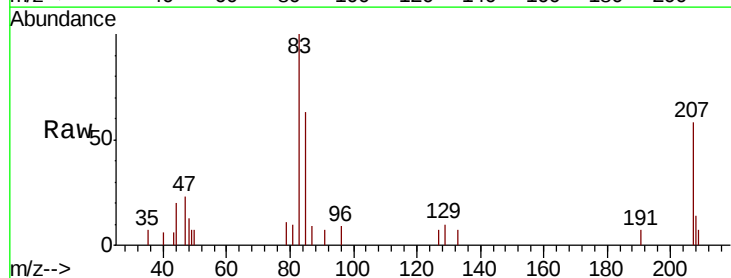
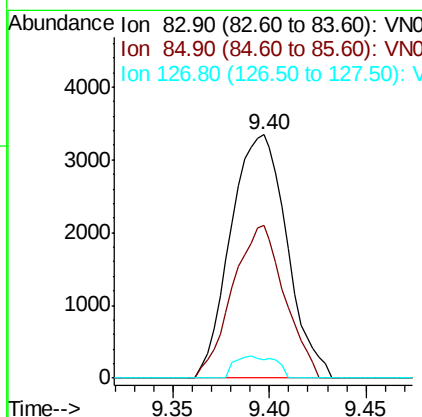
Manual Integrations
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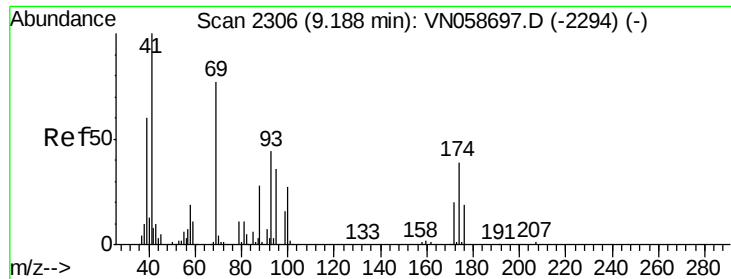
MMDadoda
10/16/2019 12:48:13 AM



#47
Bromodichloromethane
Concen: 1.102 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	7.4	6.3	9.5





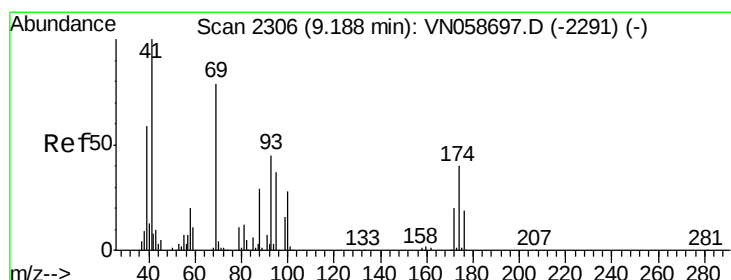
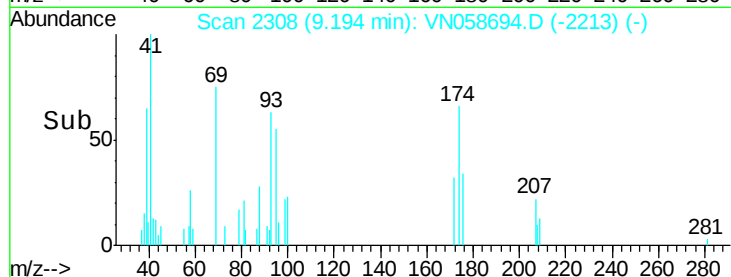
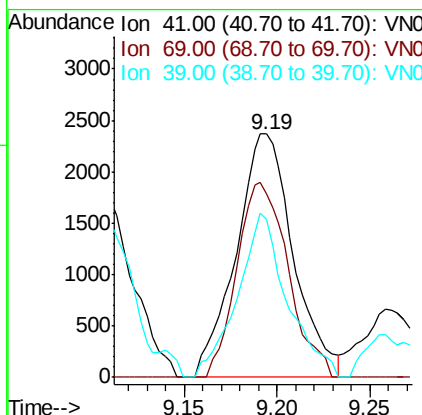
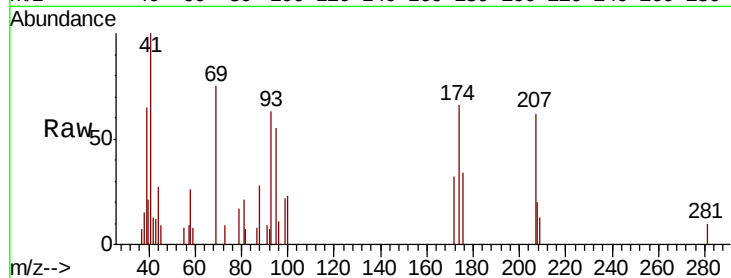
#48
Methvl methacrylate
Concen: 1.052 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	71.8	63.4	95.2
39	58.3	48.9	73.3

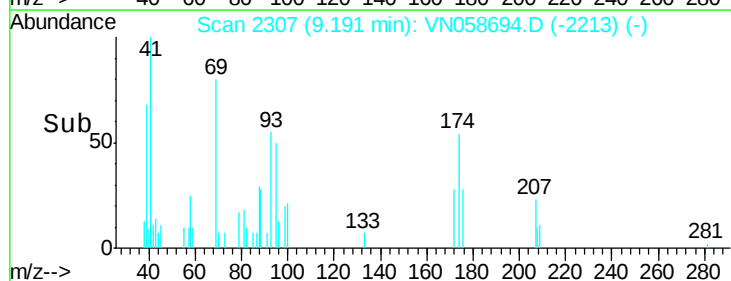
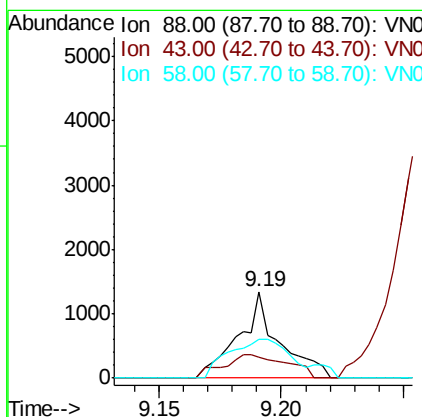
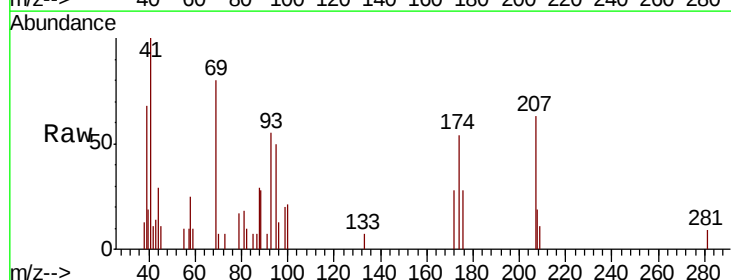
Manual Integrations
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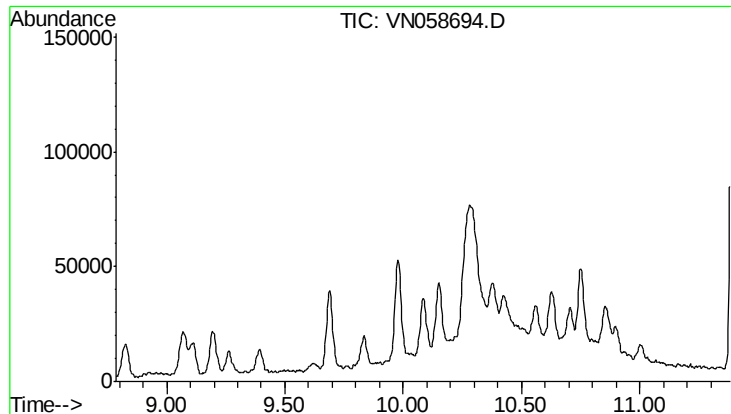
MMDadoda
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#49
1,4-Dioxane
Concen: 23.255 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
88	100		
43	43.0	28.6	43.0#
58	67.8	57.2	85.8





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min

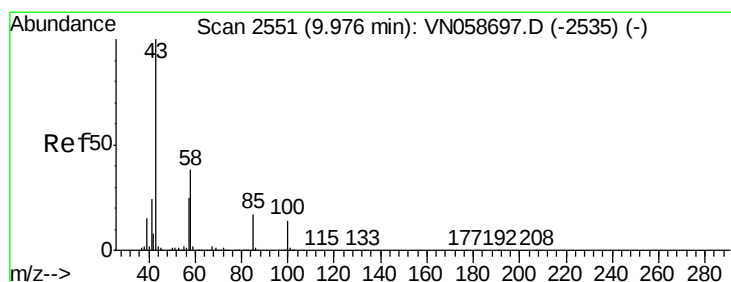
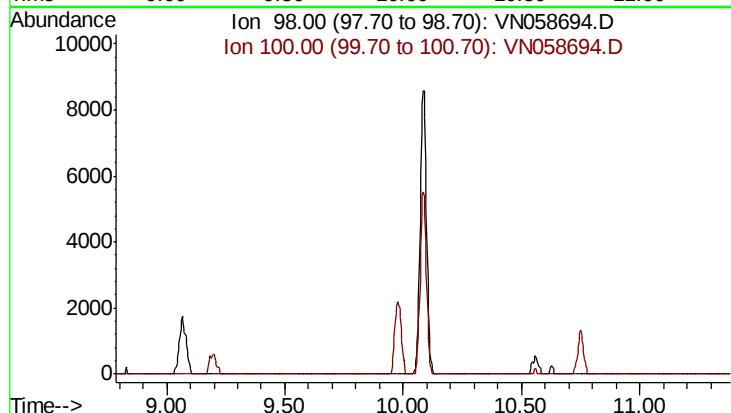
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.9

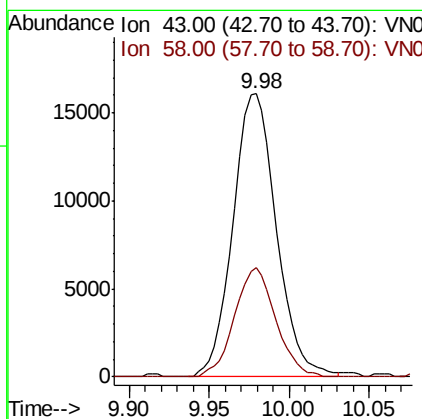
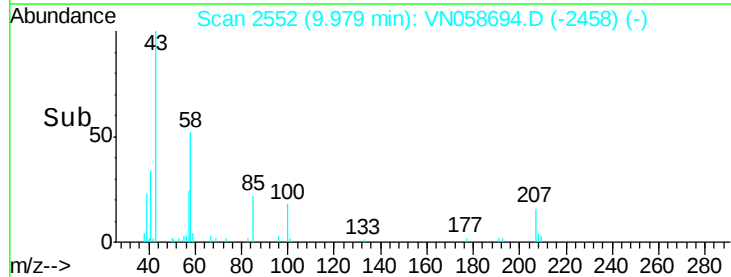
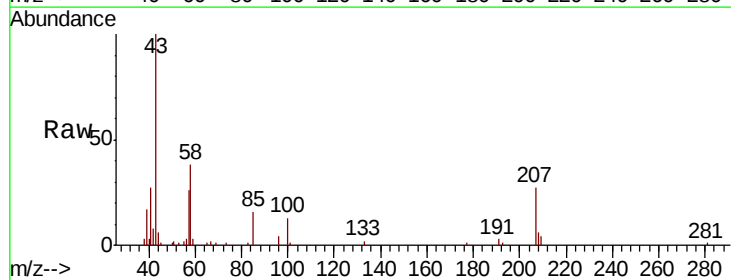
Manual Integrations
APPROVED

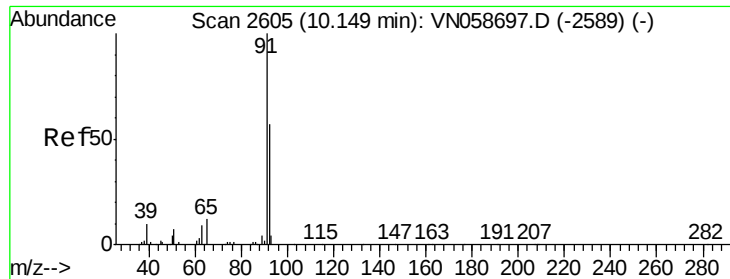
MMDadoda
10/16/2019 12:48:13 AM



#51
4-Methyl-2-Pentanone
Concen: 5.348 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 43 Resp: 29871
Ion Ratio Lower Upper
43 100
58 36.4 30.3 45.5





#52

Toluene

Concen: 1.006 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 11958

Ion Ratio Lower Upper

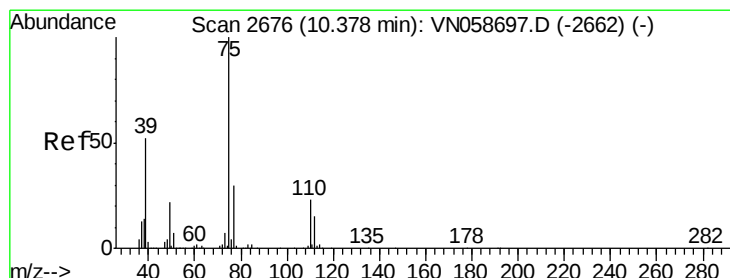
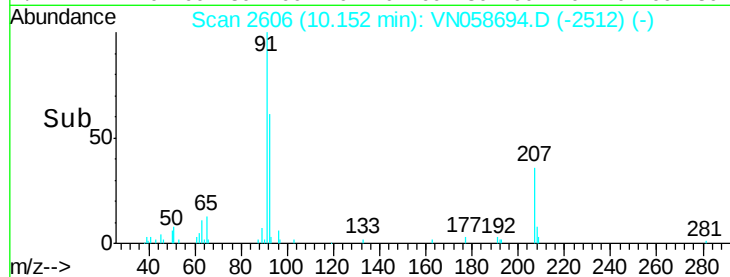
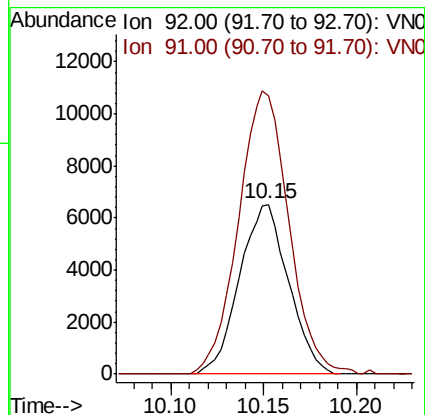
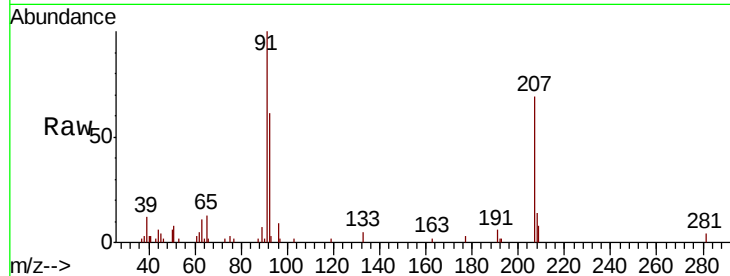
92 100

91 171.3 139.1 208.7

Manual Integrations
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#53

t-1,3-Dichloropropene

Concen: 1.104 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058694.D

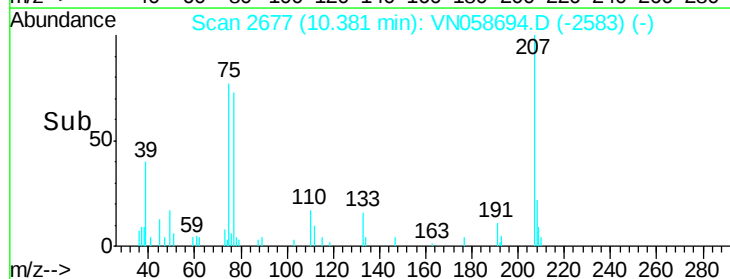
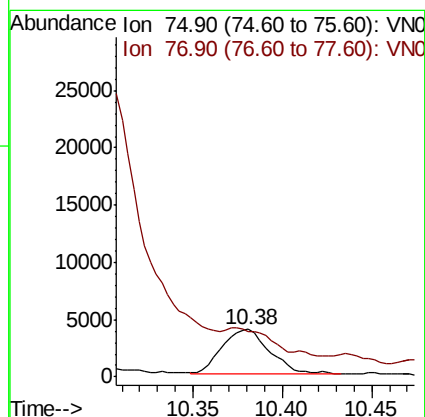
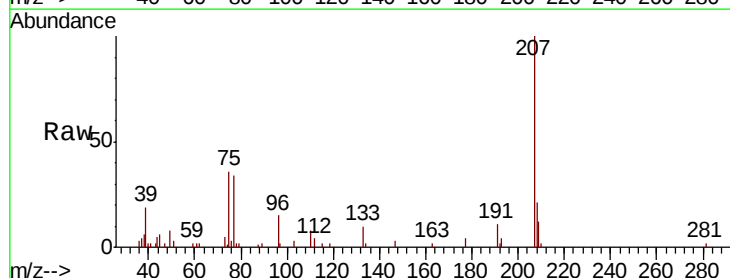
Acq: 11 Oct 2019 11:30

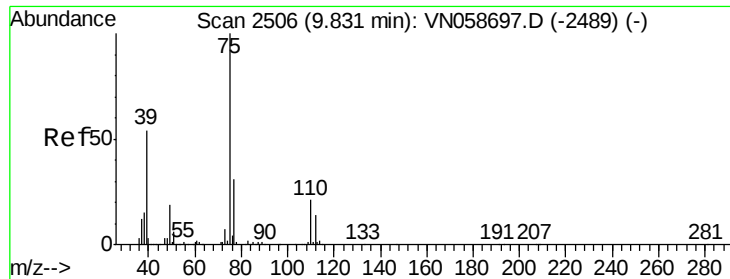
Tgt Ion: 75 Resp: 7392

Ion Ratio Lower Upper

75 100

77 52.0 26.2 39.4#





#54

cis-1,3-Dichloropropene

Concen: 1.039 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

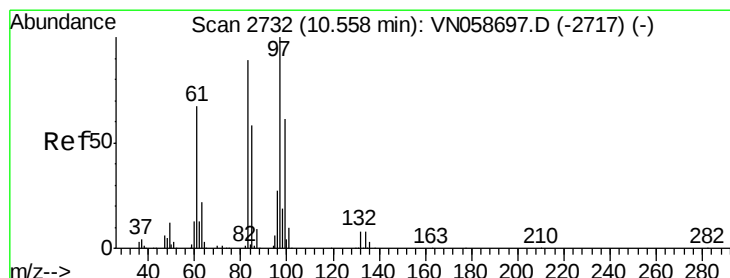
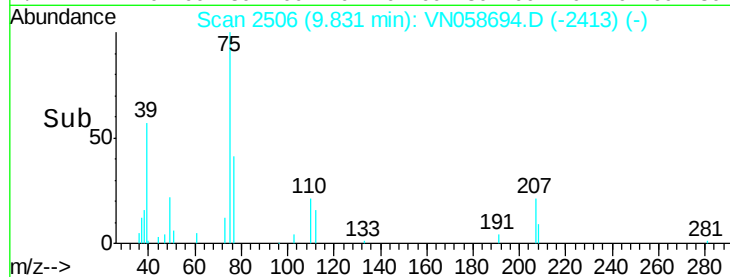
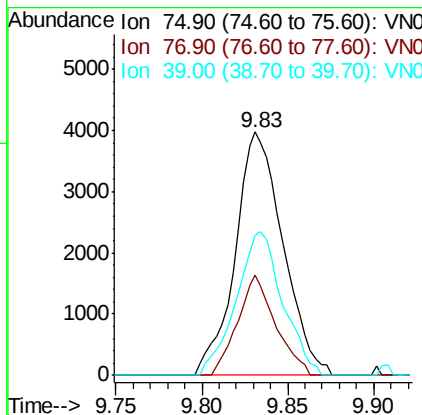
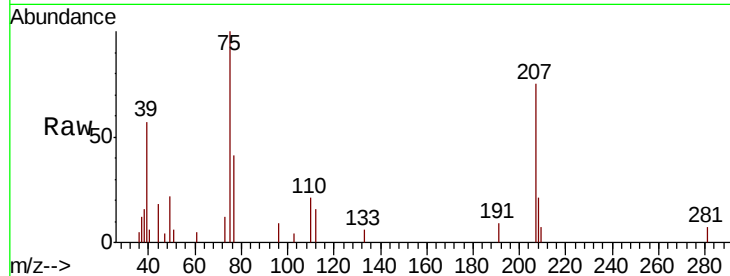
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	7674
Ion	Ratio	Lower	Upper
75	100		
77	41.4	24.4	36.6#
39	57.4	43.1	64.7

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.332 ug/l

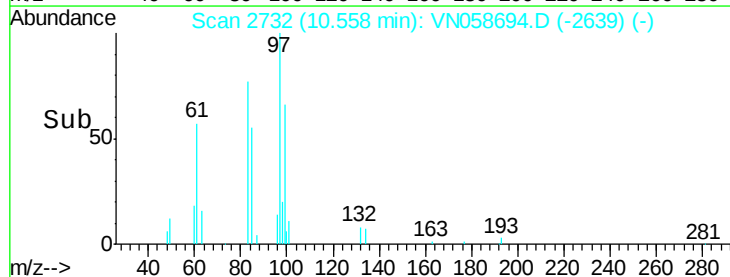
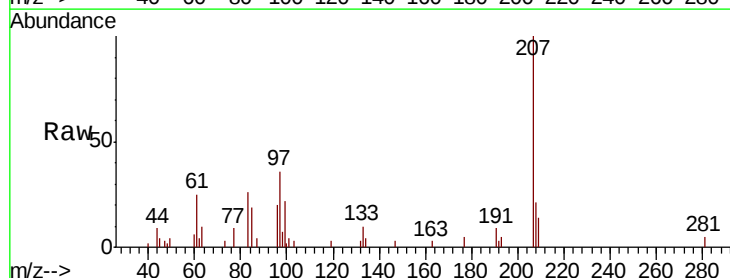
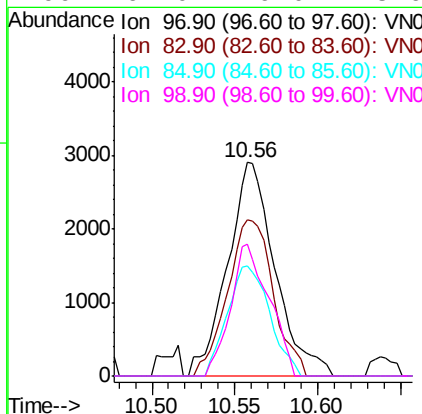
RT: 10.56 min Scan# 2732

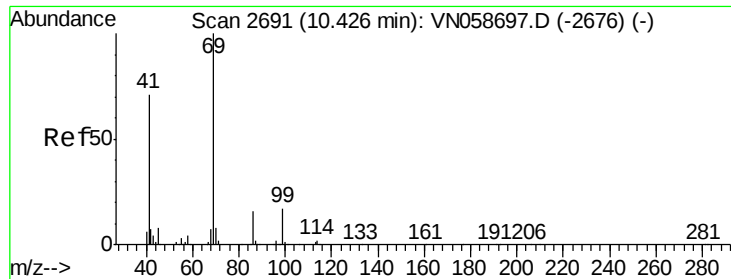
Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Tgt Ion:	97	Resp:	5783
Ion	Ratio	Lower	Upper
97	100		
83	73.1	71.2	106.8
85	51.6	46.7	70.1
99	62.0	49.0	73.6





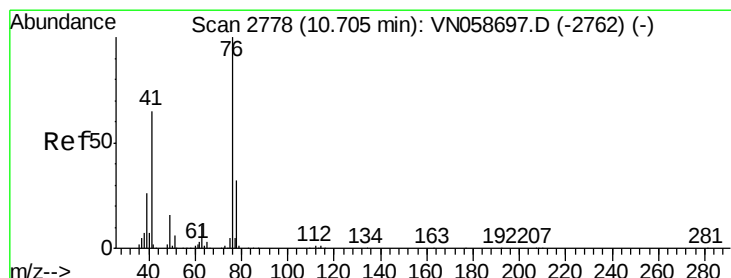
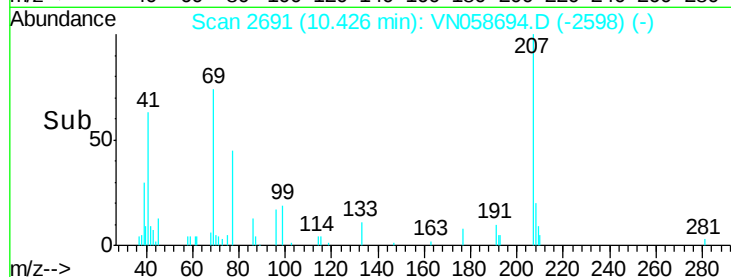
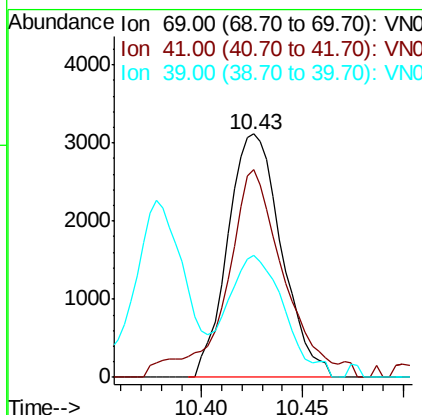
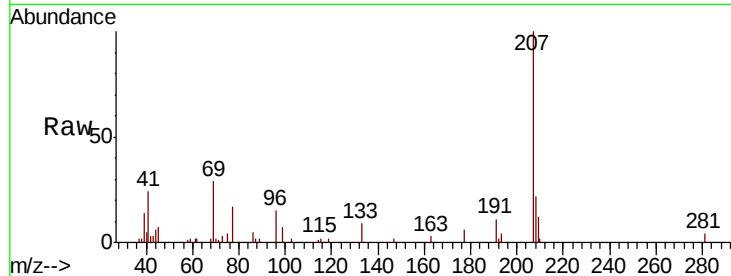
#56
Ethyl methacrylate
Concen: 0.874 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	91.8	56.8	85.2#
39	52.5	32.5	48.7#

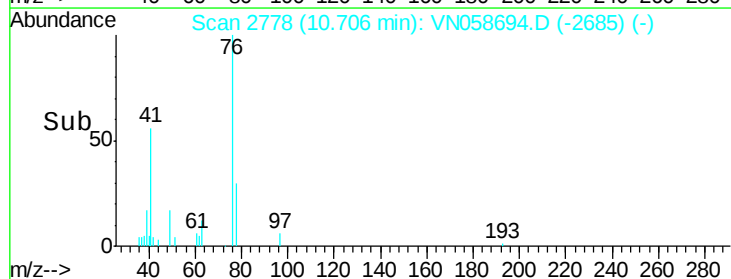
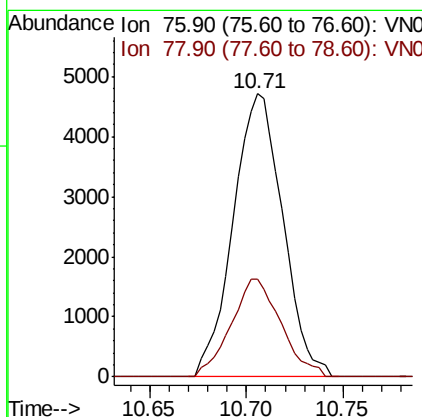
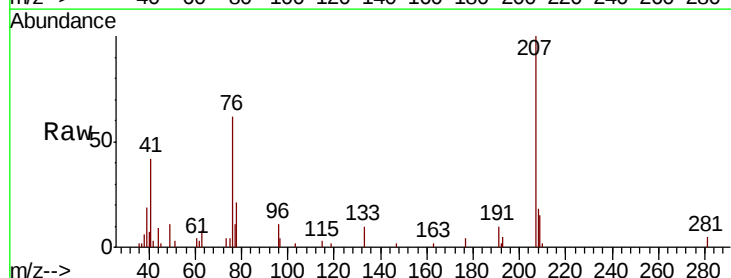
Manual Integrations
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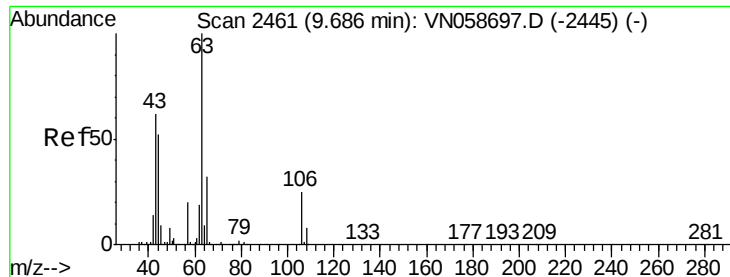
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#57
1,3-Dichloropropane
Concen: 1.085 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
76	100		
78	34.7	25.9	38.9





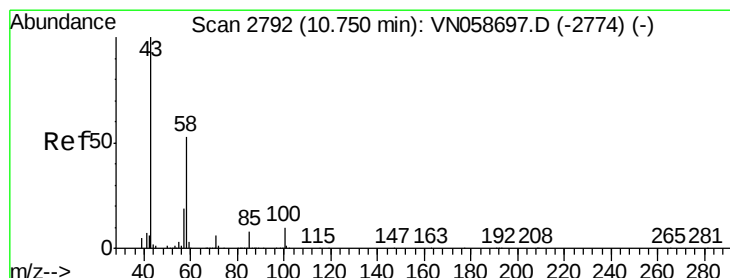
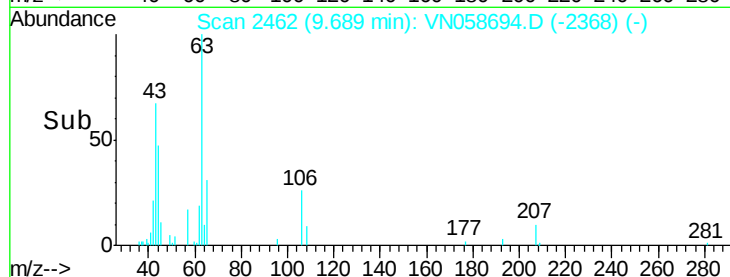
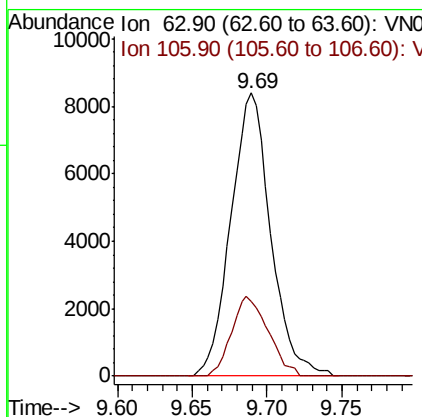
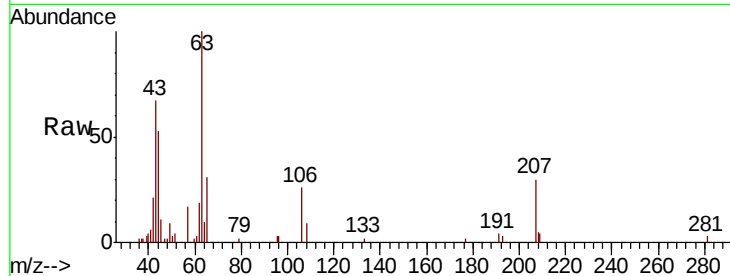
#58
 2-Chloroethyl Vinyl ether
 Concen: 5.671 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 15573
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.0 30.0

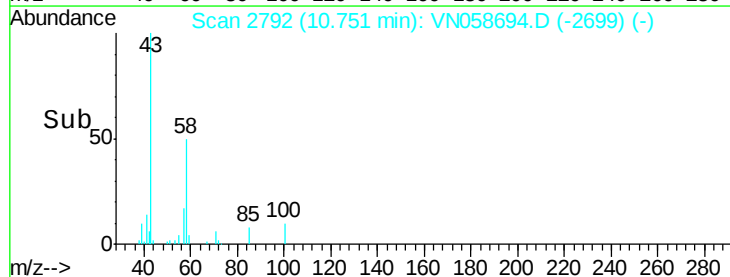
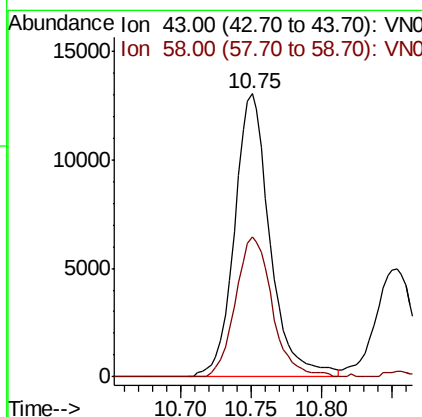
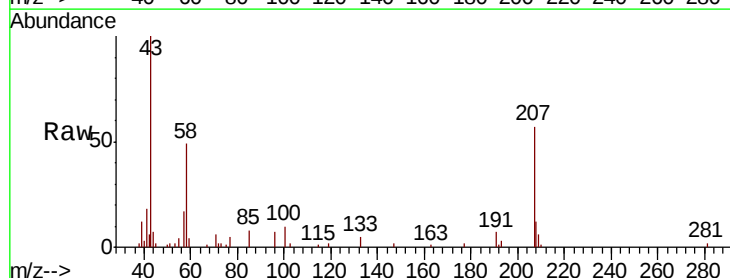
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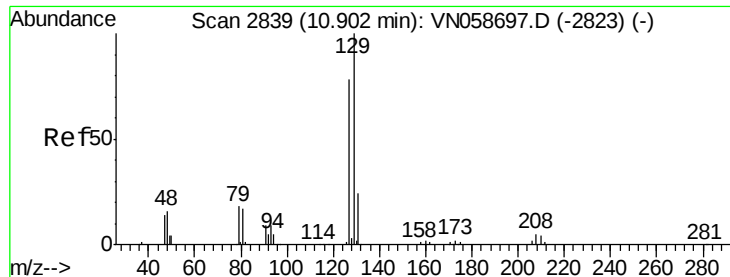
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 10/16/2019 12:48:13 AM



#59
 2-Hexanone
 Concen: 5.588 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 43 Resp: 22984
 Ion Ratio Lower Upper
 43 100
 58 51.1 26.1 78.3





#60

Dibromochloromethane

Concen: 1.138 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4770

Ion Ratio Lower Upper

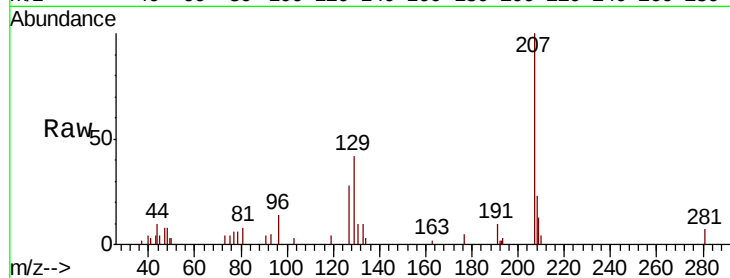
129 100

127 71.0 38.5 115.3

Manual Integrations
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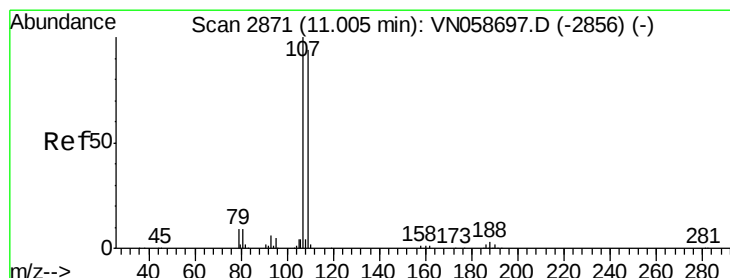
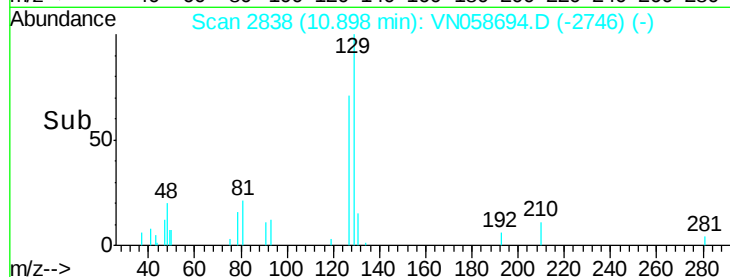
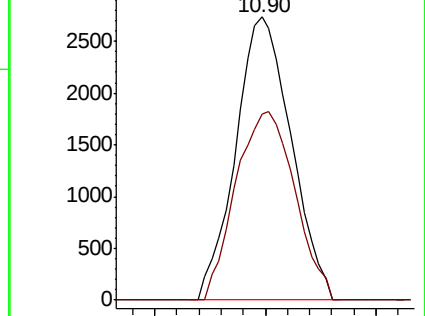
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.127 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058694.D

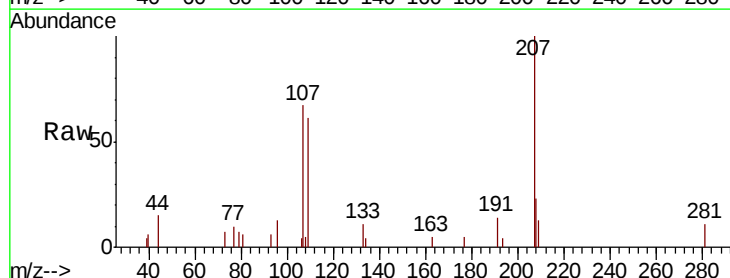
Acq: 11 Oct 2019 11:30

Tgt Ion:107 Resp: 5019

Ion Ratio Lower Upper

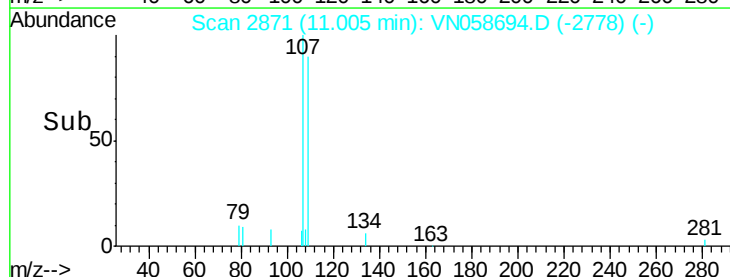
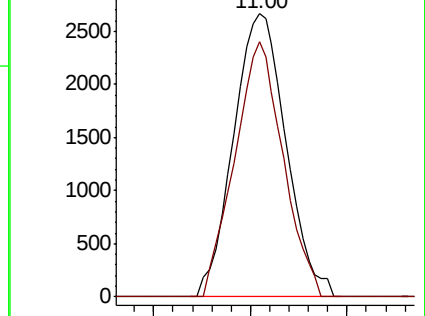
107 100

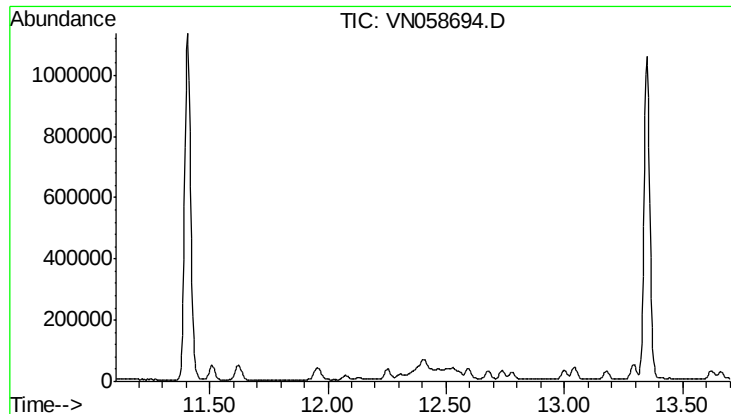
109 82.9 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min

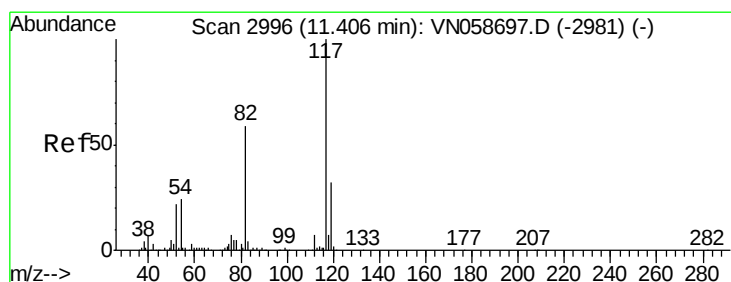
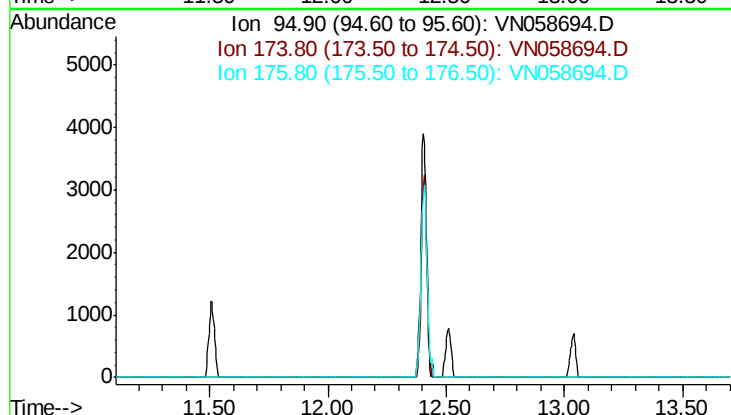
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tot Ion	95
Sig	Exp Ratio
95	100
174	75.2
176	73.4

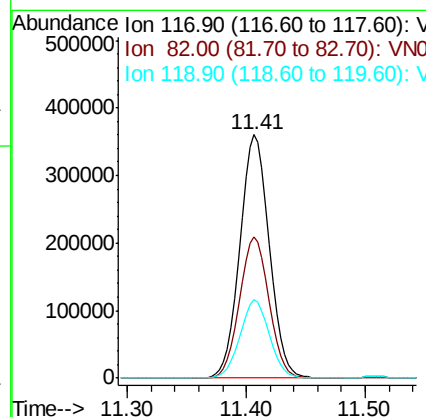
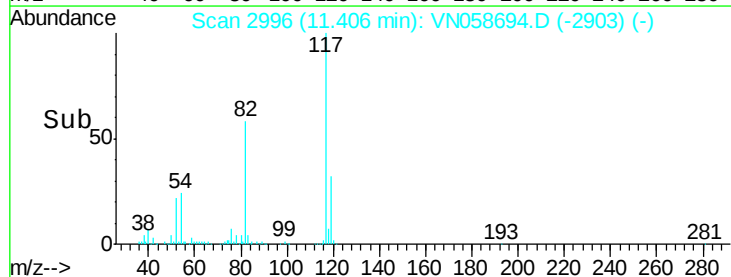
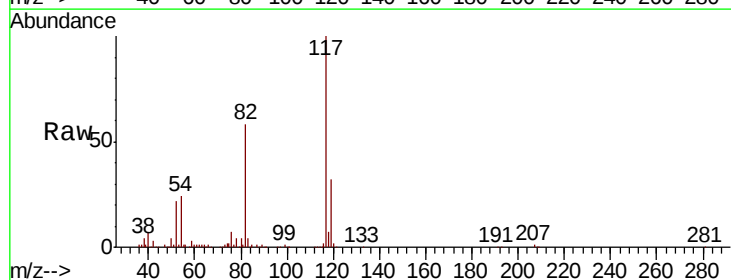
Manual Integrations
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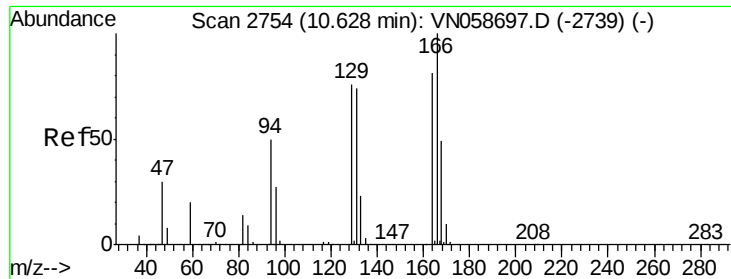
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion	117	Resp	616593
Ion Ratio	Lower	Upper	
117	100		
82	58.1	47.0	70.4
119	32.0	25.4	38.2





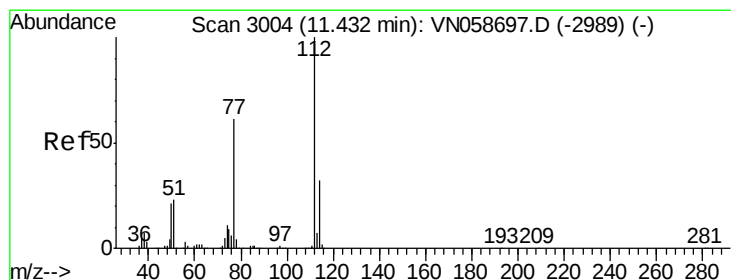
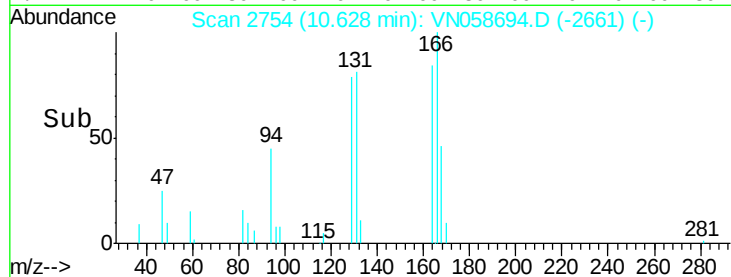
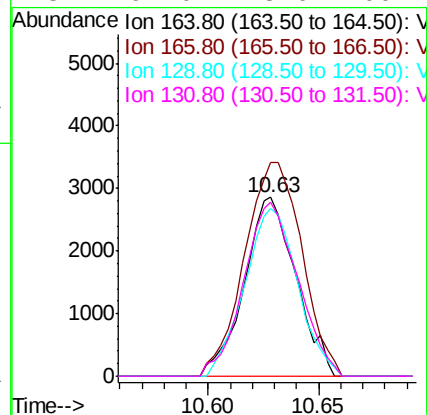
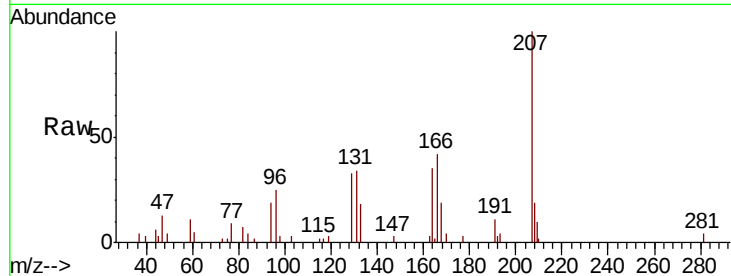
#64
Tetrachloroethene
Concen: 1.163 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	119.4	99.3	148.9
129	93.8	75.2	112.8
131	97.0	73.0	109.4

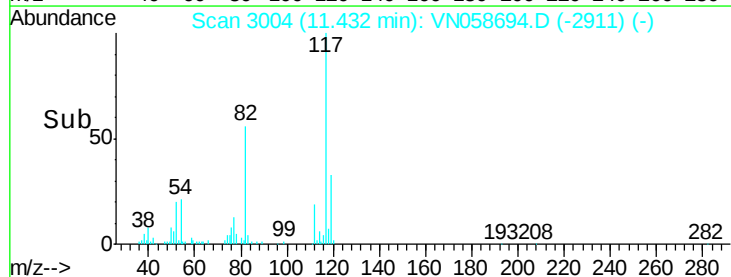
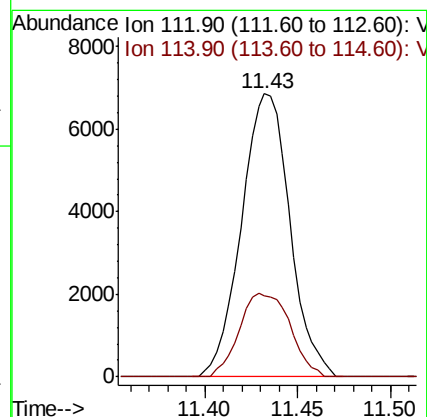
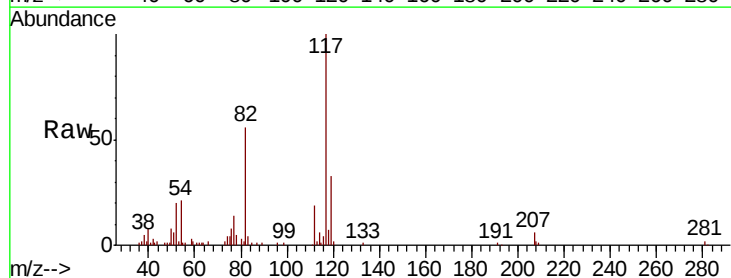
Manual Integrations
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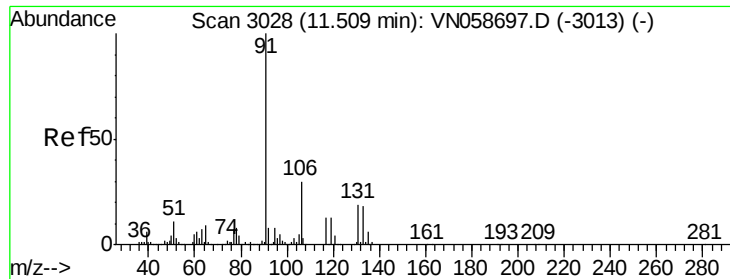
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#65
Chlorobenzene
Concen: 1.018 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.8	25.2	37.8





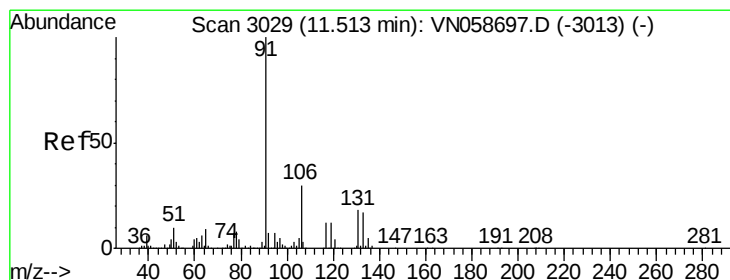
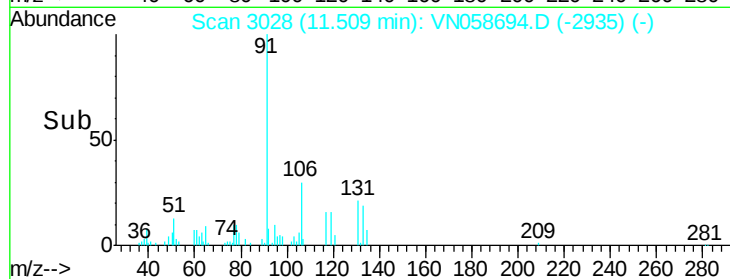
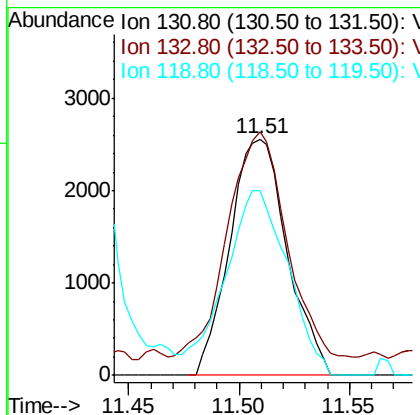
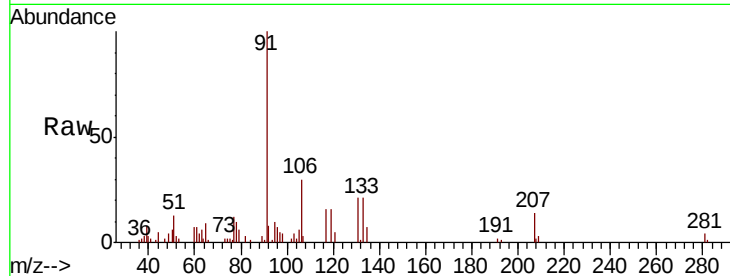
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.105 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.6	142.9
119	0.0	33.0	98.9#

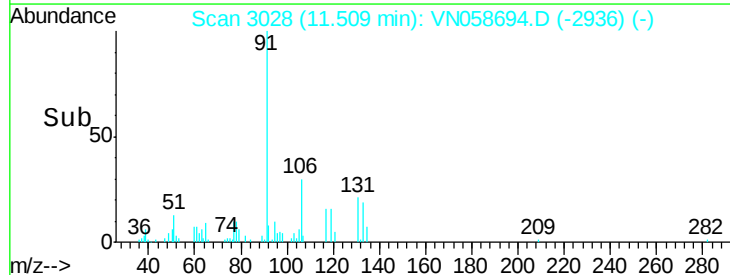
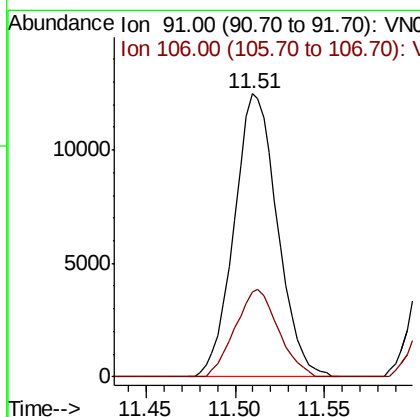
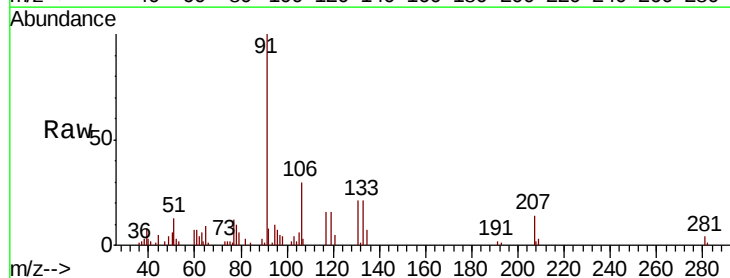
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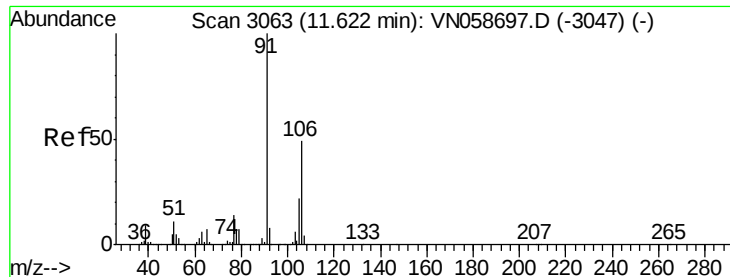
MMDadoda
 10/16/2019 12:48:13 AM



#67
 Ethyl Benzene
 Concen: 0.949 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.1	36.1





#68

m/p-Xylenes

Concen: 1.810 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 15160

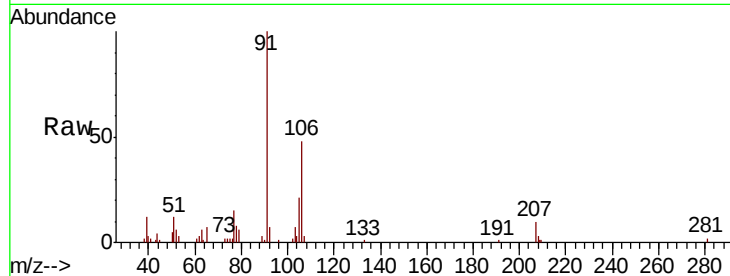
Ion Ratio Lower Upper

106 100

91 209.7 165.7 248.5

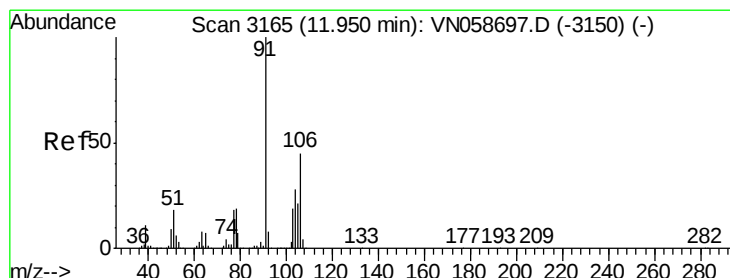
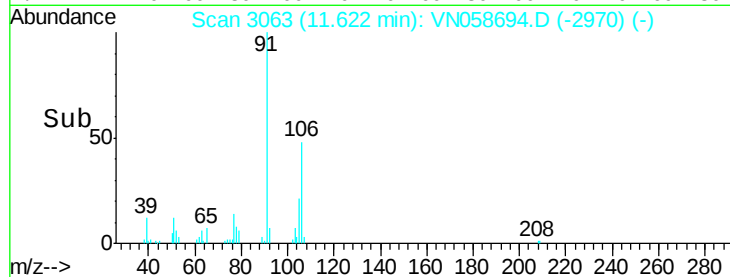
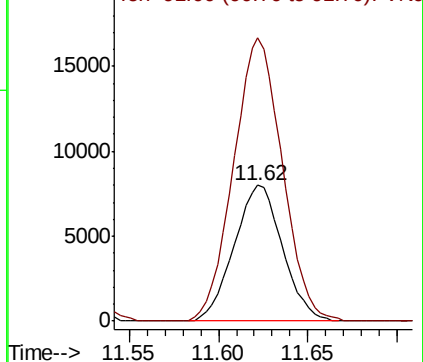
Manual Integrations
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.969 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN058694.D

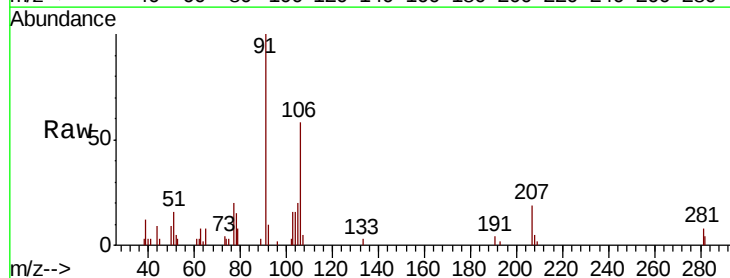
Acq: 11 Oct 2019 11:30

Tgt Ion:106 Resp: 7790

Ion Ratio Lower Upper

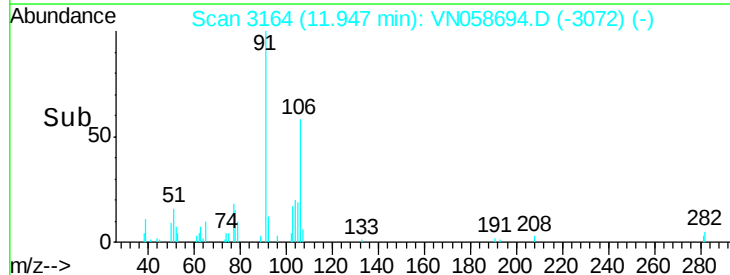
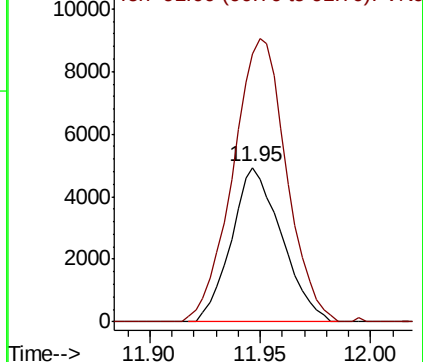
106 100

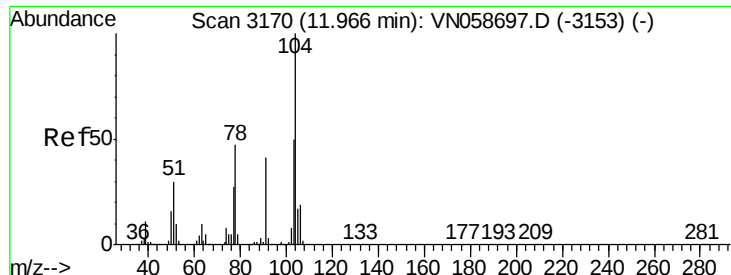
91 196.2 110.9 332.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





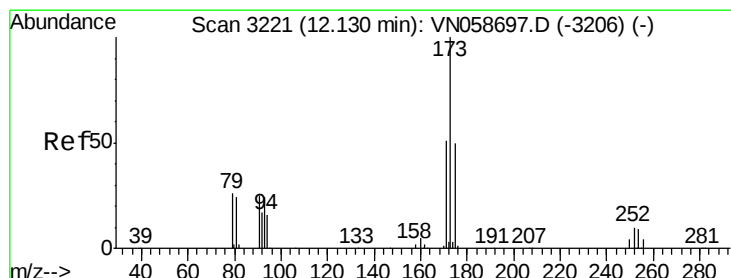
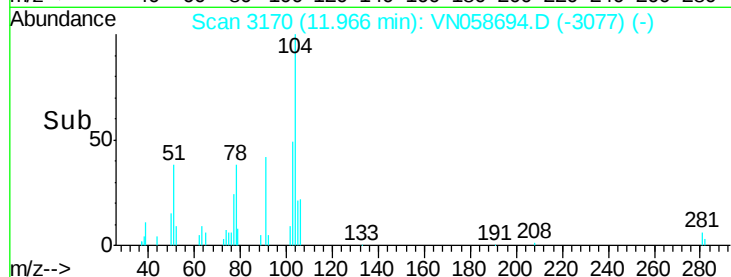
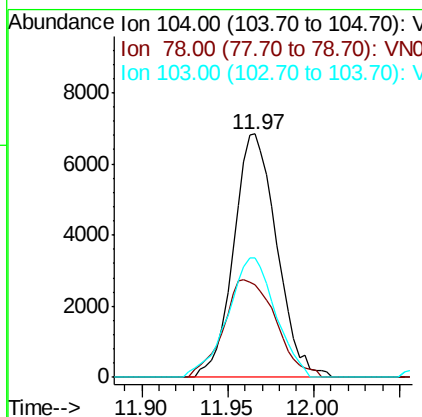
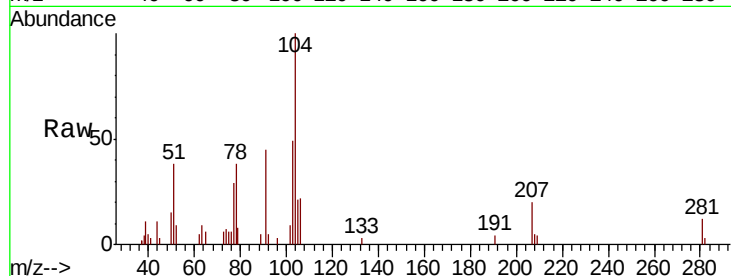
#70
Stvrene
Concen: 0.915 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	42.2	63.2
103	54.4	43.7	65.5

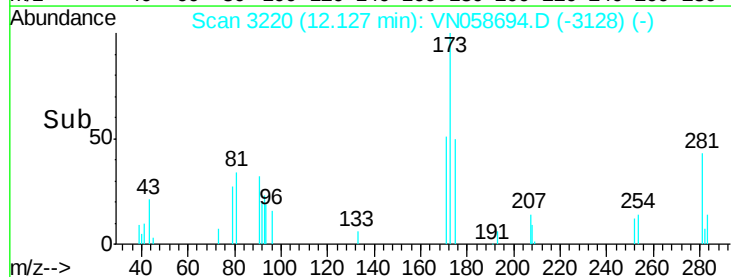
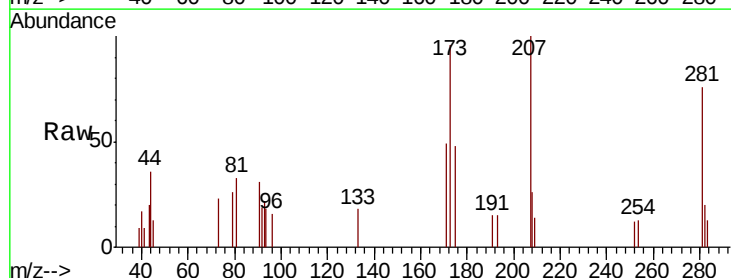
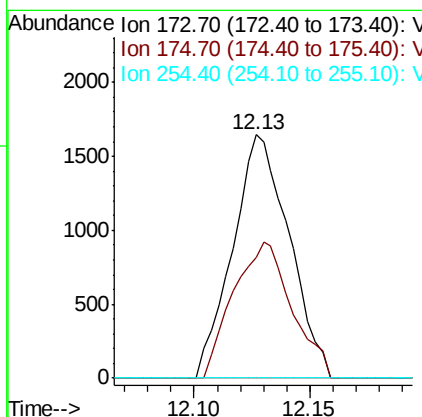
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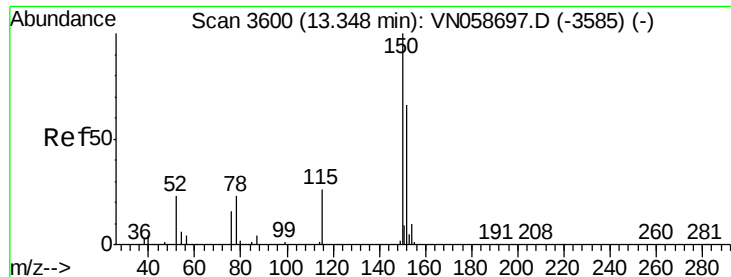
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#71
Bromoform
Concen: 1.041 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	58.3	24.6	73.8
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

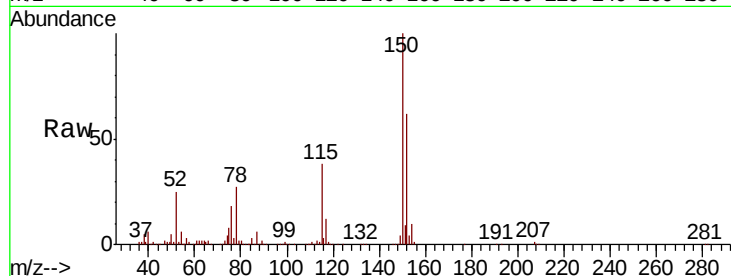
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.4	91.2
150	159.4	0.0	345.4

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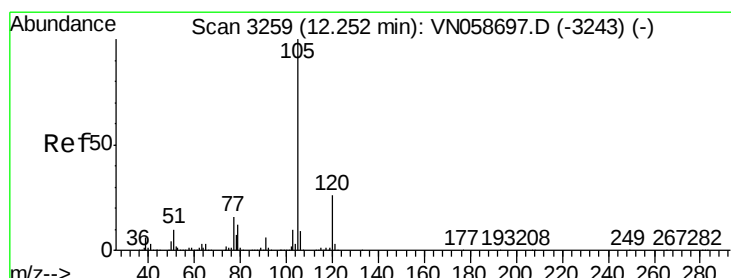
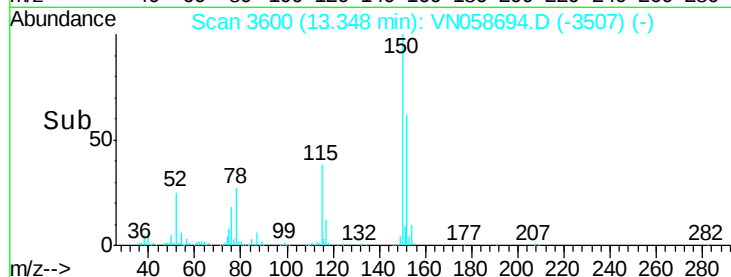
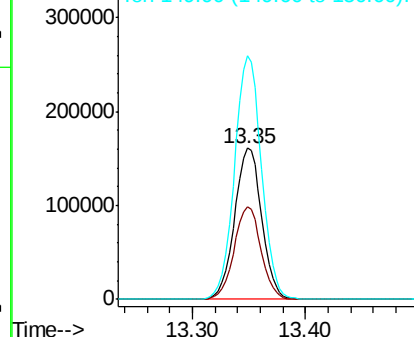


Abundance

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: 1.003 ug/l

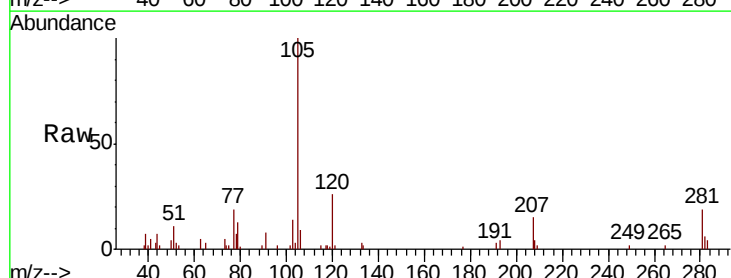
RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

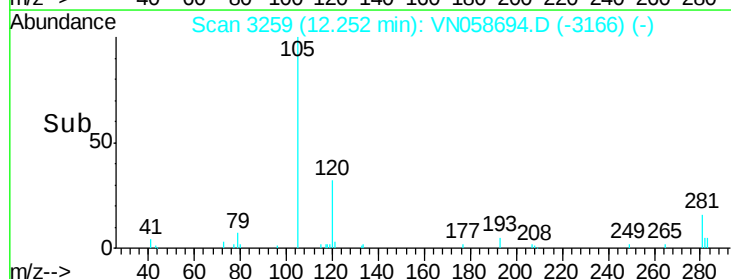
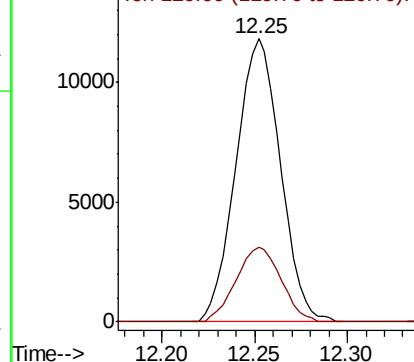
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1

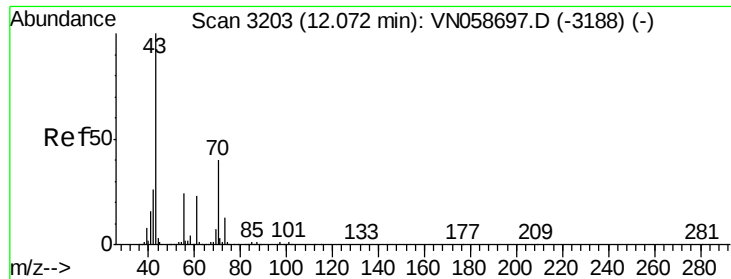


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.958 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

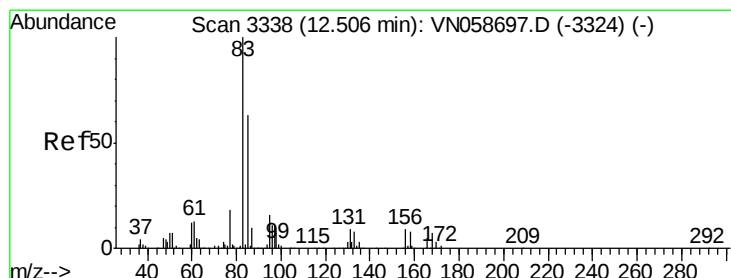
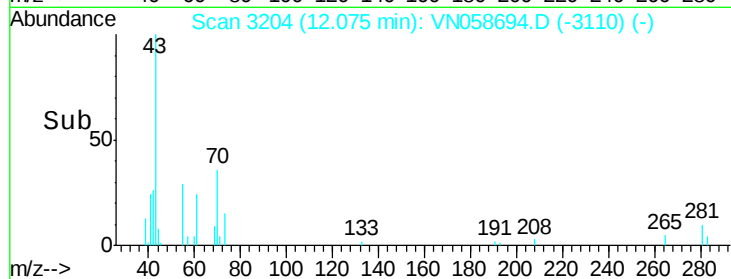
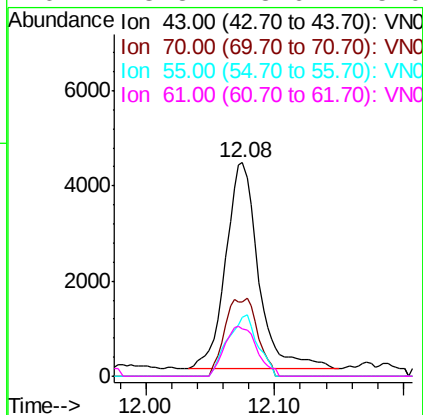
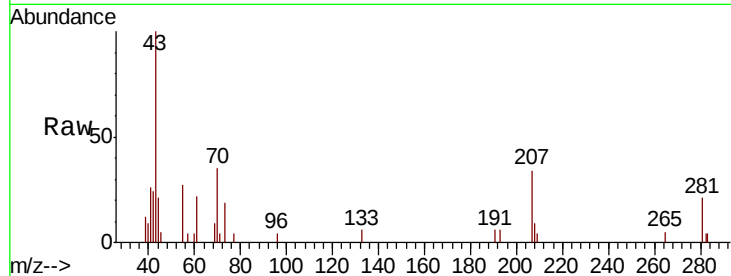
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	7649
Ion	Ratio	Lower	Upper
43	100		
70	37.5	32.2	48.4
55	27.0	19.6	29.4
61	23.8	18.6	28.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.111 ug/l

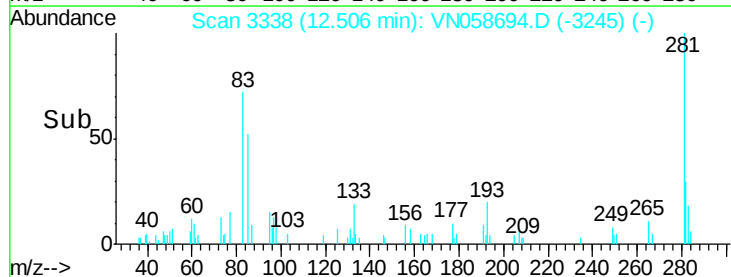
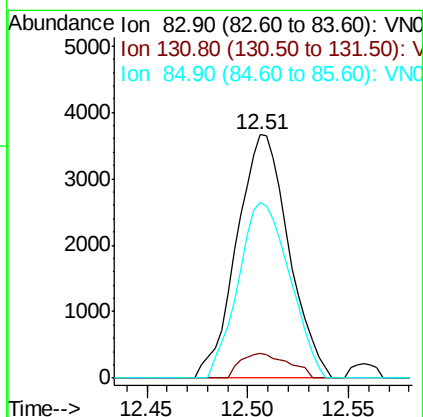
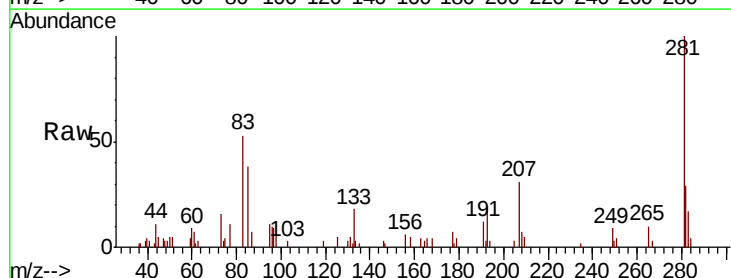
RT: 12.51 min Scan# 3338

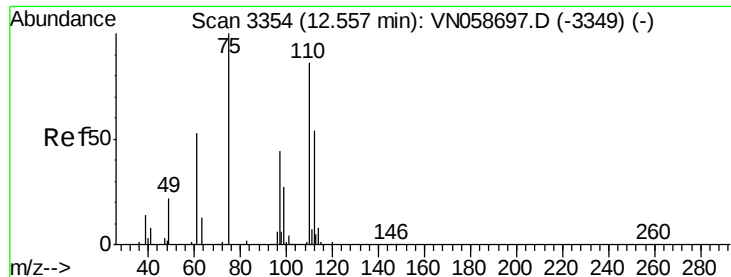
Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Tgt Ion:	83	Resp:	6586
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	71.4	31.9	95.5





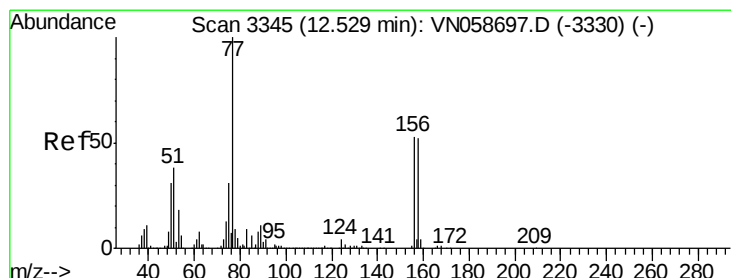
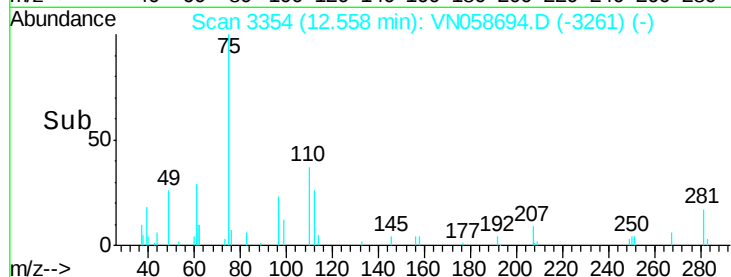
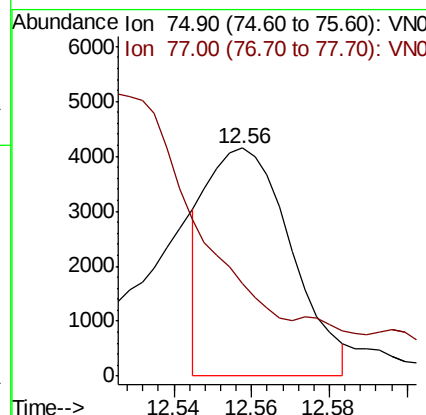
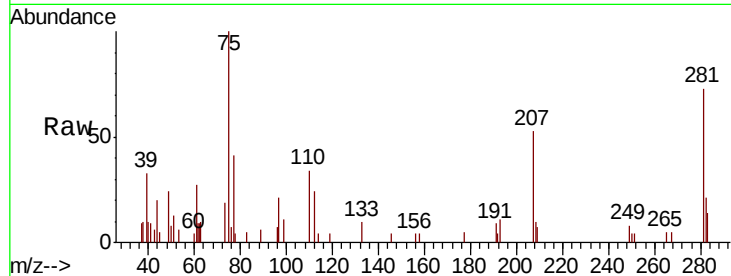
#76
1,2,3-Trichloropropane
Concen: 1.256 ug/l m
RT: 12.56 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 6262
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

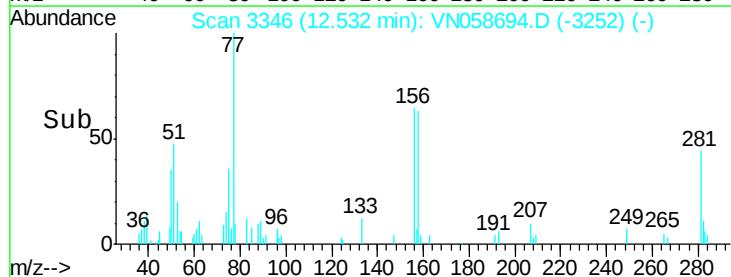
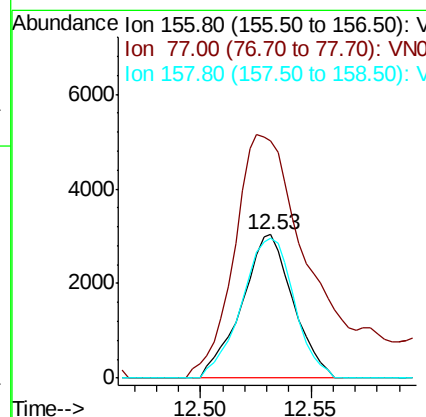
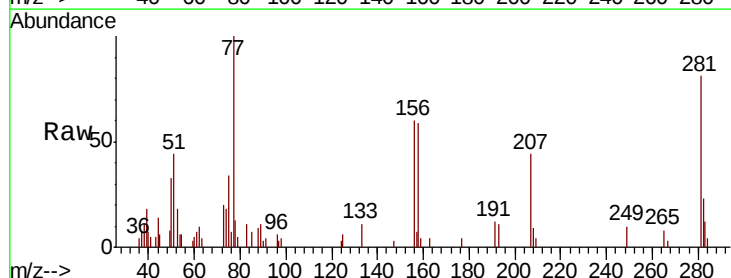
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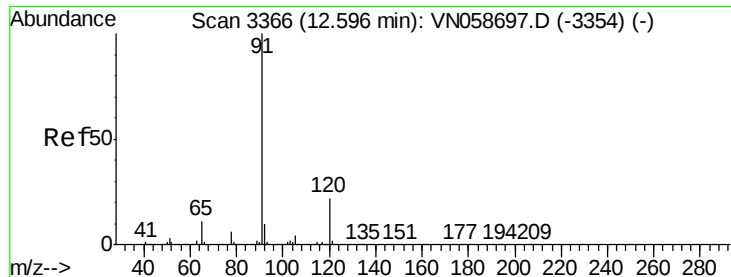
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#77
Bromobenzene
Concen: 1.060 ug/l
RT: 12.53 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 156 Resp: 4911
Ion Ratio Lower Upper
156 100
77 235.8 115.8 347.3
158 99.7 48.9 146.6





#78

n-propylbenzene

Concen: 0.999 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 22248

Ion Ratio Lower Upper

91 100

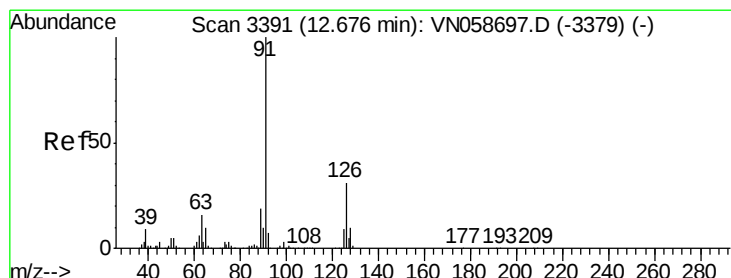
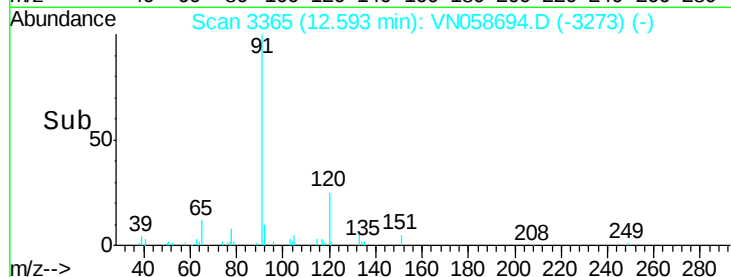
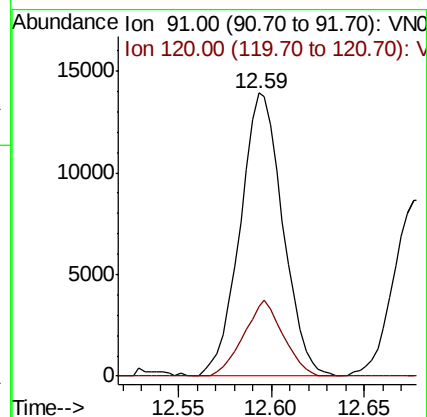
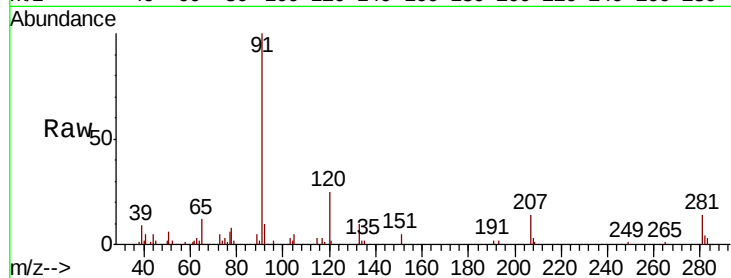
120 24.7 11.1 33.3

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#79

2-Chlorotoluene

Concen: 1.106 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058694.D

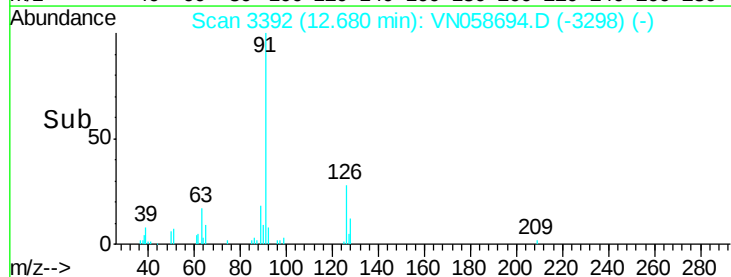
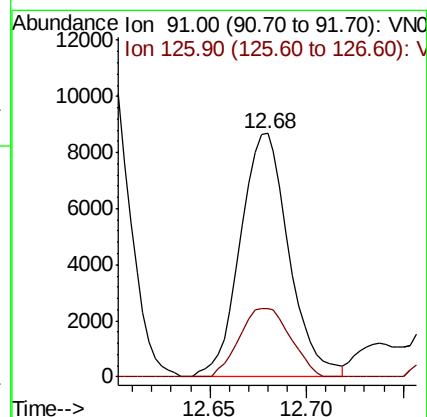
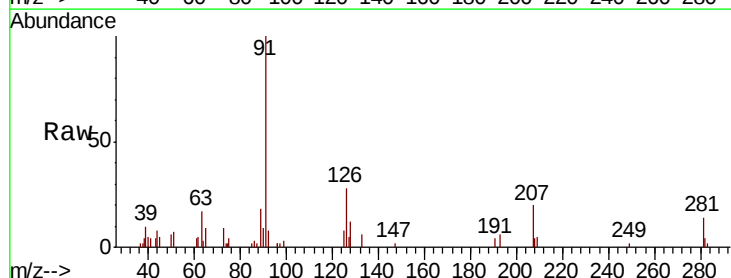
Acq: 11 Oct 2019 11:30

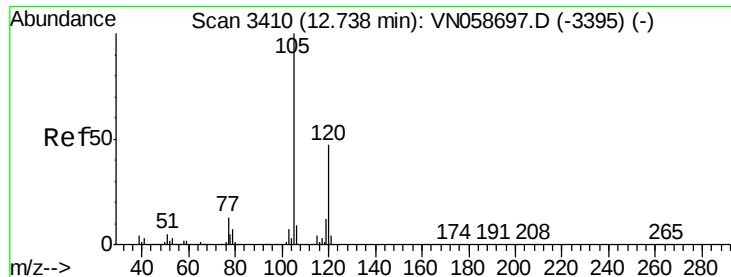
Tgt Ion: 91 Resp: 15189

Ion Ratio Lower Upper

91 100

126 29.5 16.2 48.5





#80

1,3,5-Trimethylbenzene

Concen: 0.947 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 15653

Ion Ratio Lower Upper

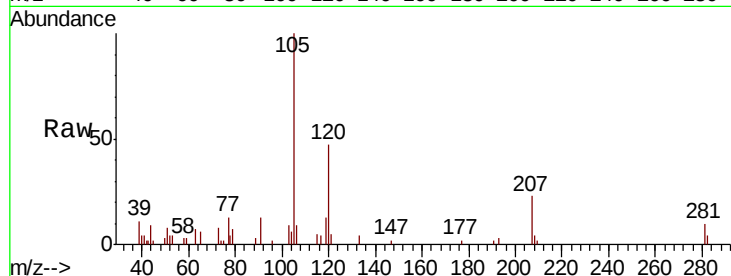
105 100

120 45.6 23.4 70.2

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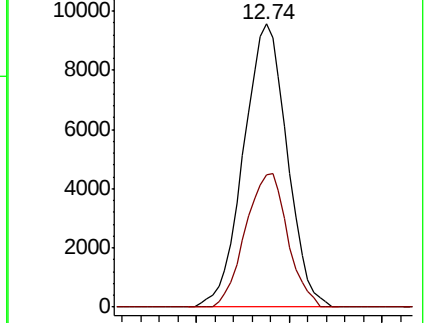
MMDadoda

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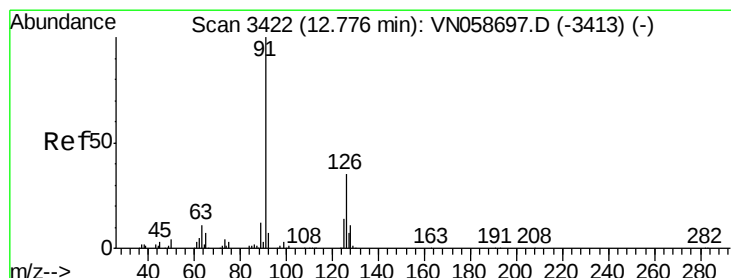
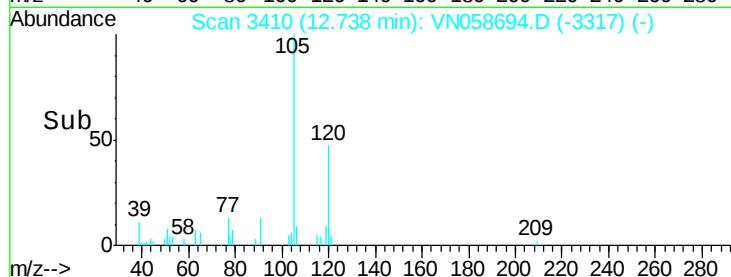


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#82

4-Chlorotoluene

Concen: 1.048 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058694.D

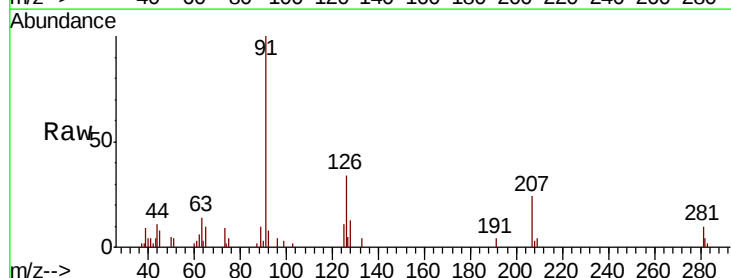
Acq: 11 Oct 2019 11:30

Tgt Ion: 91 Resp: 14721

Ion Ratio Lower Upper

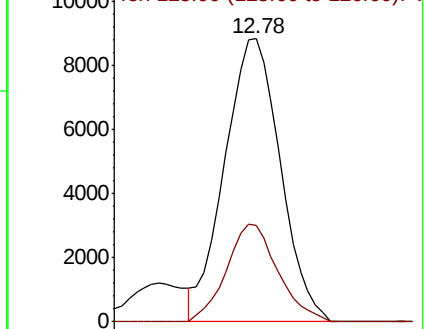
91 100

126 31.9 15.9 47.6

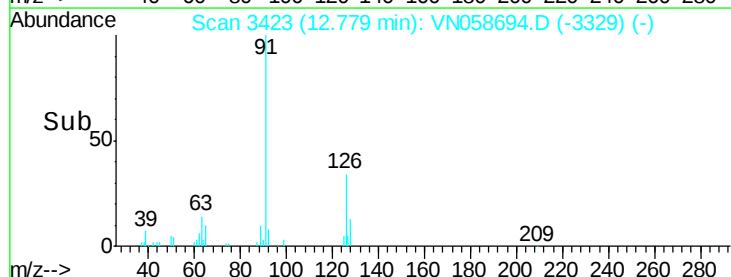


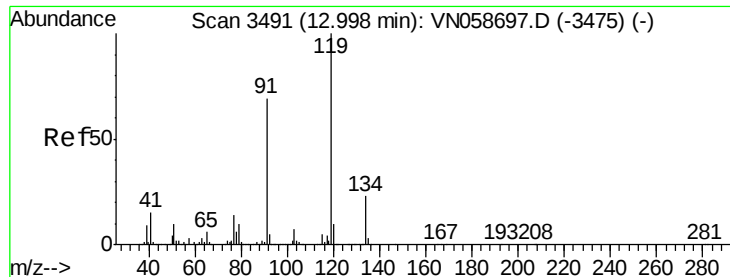
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



Time-->





#83

tert-Butylbenzene

Concen: 1.002 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

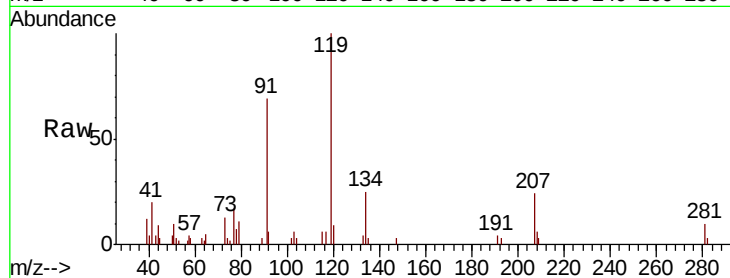
ClientSampleId :

VSTDIC001

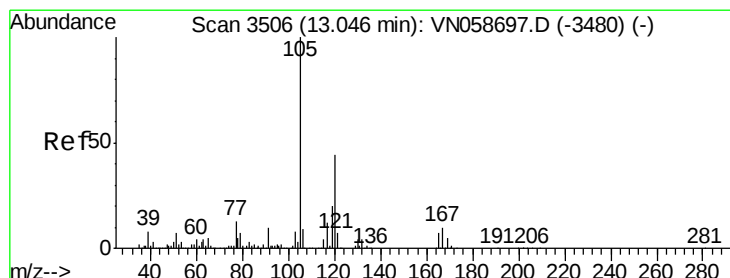
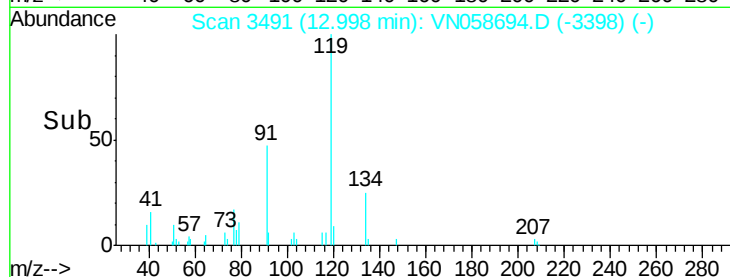
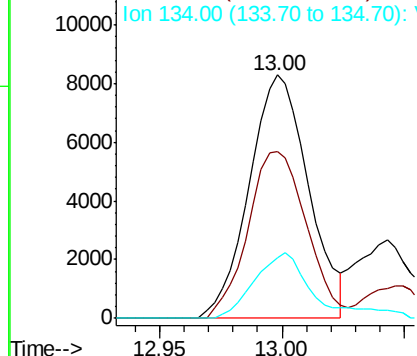
Tot Ion:	119	Resp:	13976
Ion Ratio	Lower	Upper	
119	100		
91	67.7	33.8	101.3
134	27.0	12.6	37.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.924 ug/l

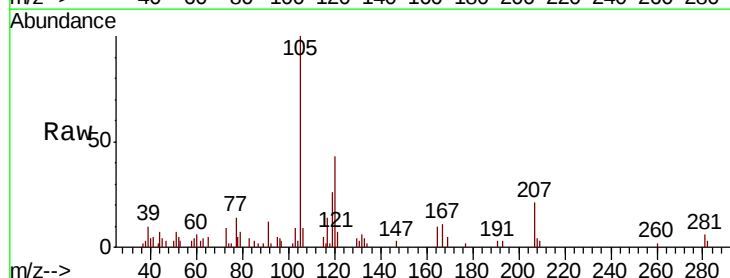
RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

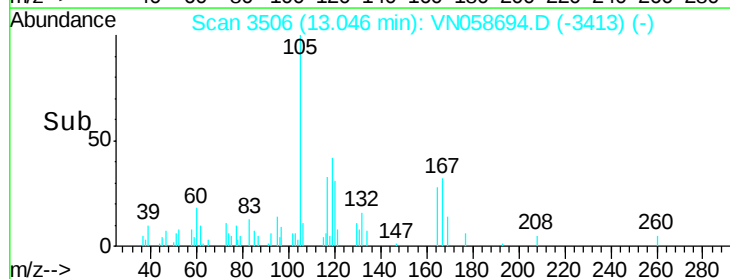
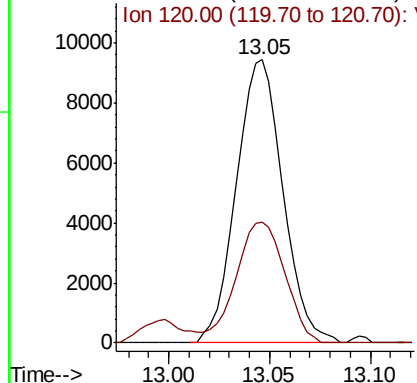
Lab File: VN058694.D

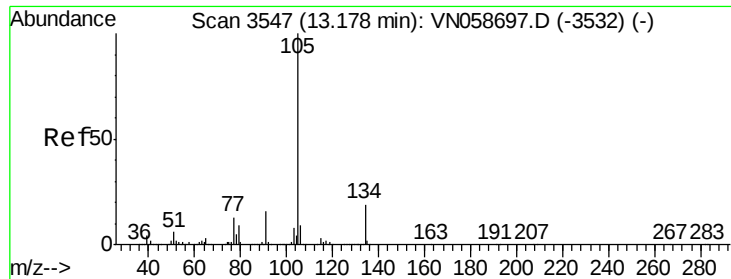
Acq: 11 Oct 2019 11:30

Tgt Ion:	105	Resp:	15306
Ion Ratio	Lower	Upper	
105	100		
120	45.0	21.9	65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.943 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 17375

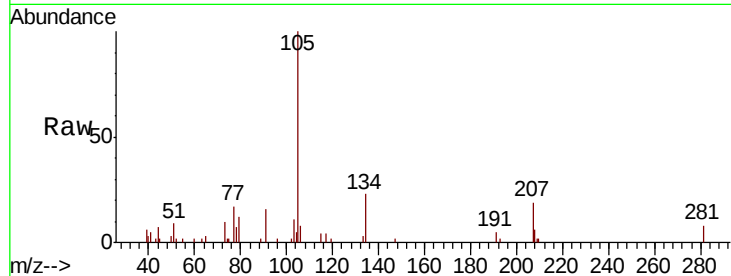
Ion Ratio Lower Upper

105 100

134 19.9 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12000

10000

8000

6000

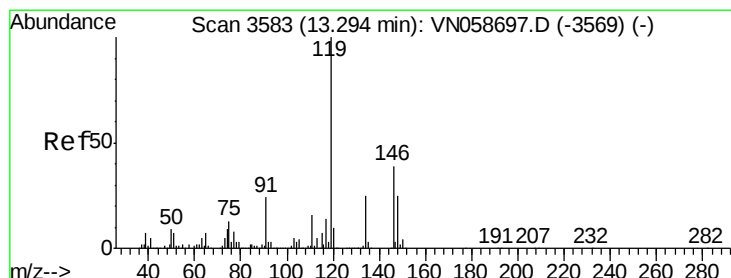
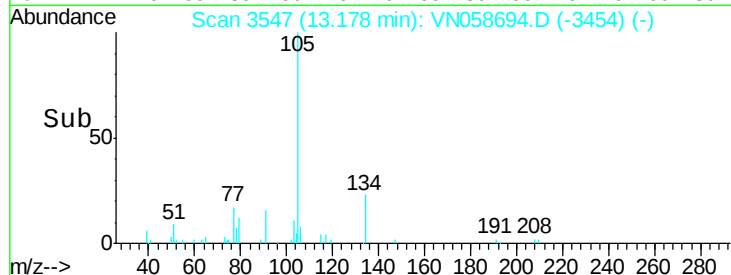
4000

2000

0

13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 0.984 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

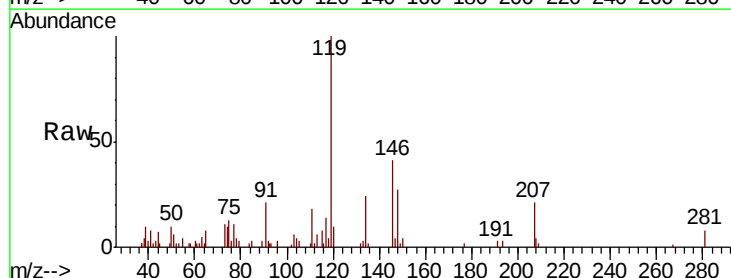
Tgt Ion:119 Resp: 16032

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 23.9 11.9 35.5



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

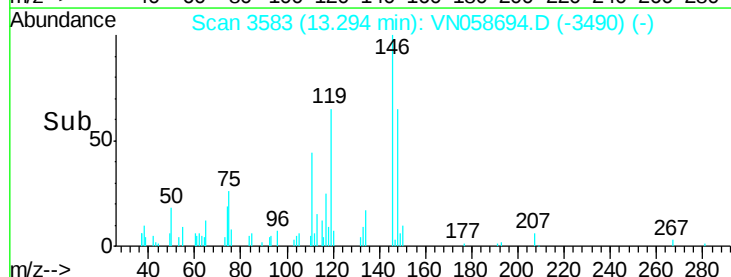
10000

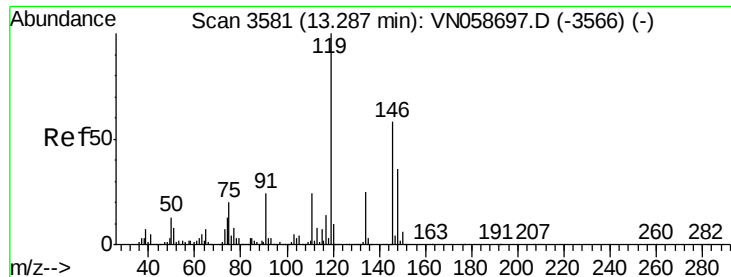
5000

0

13.25 13.30 13.35

Time-->





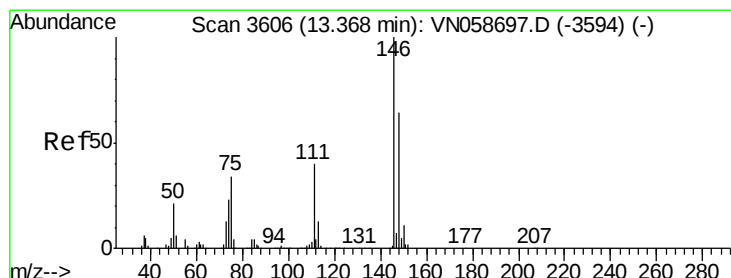
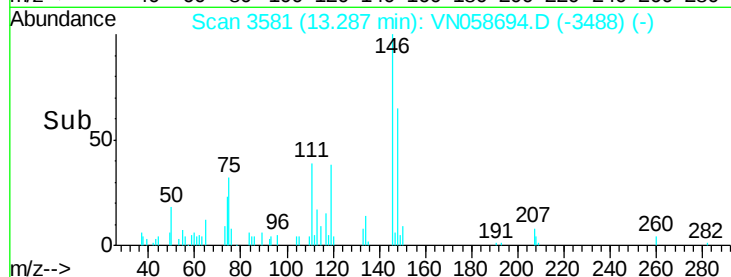
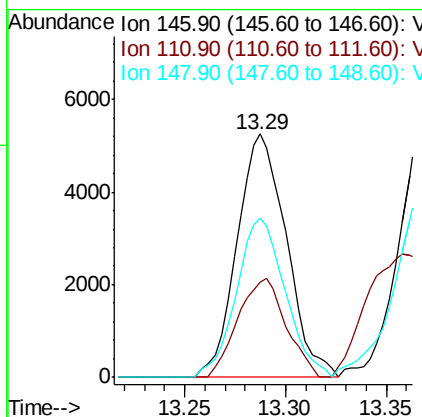
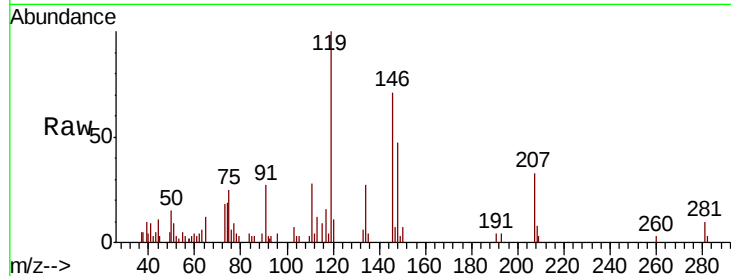
#87
 1,3-Dichlorobenzene
 Concen: 1.064 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.5	61.6
148	64.8	31.3	93.9

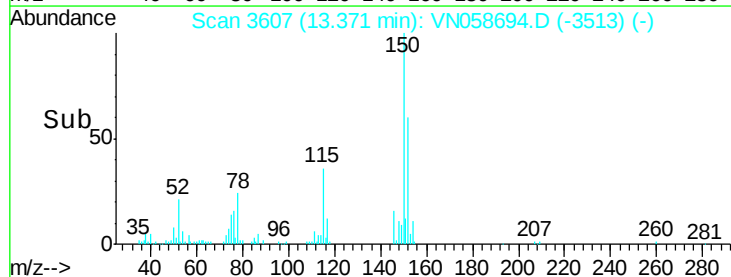
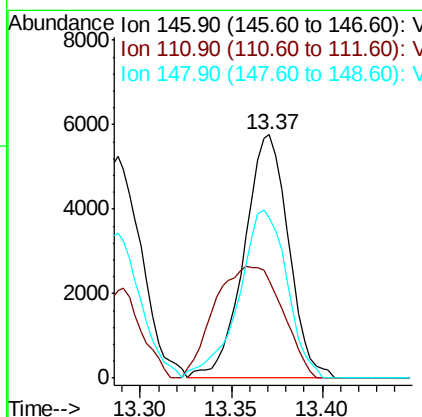
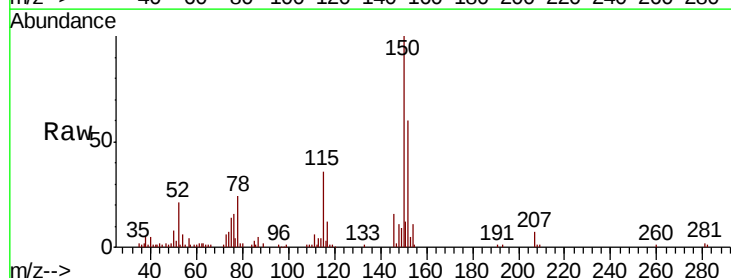
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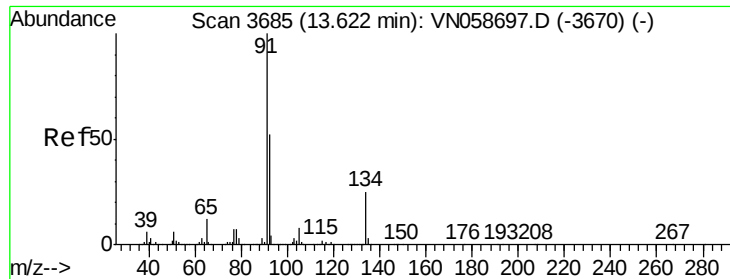
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 1.169 ug/l m
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.1	60.2
148	59.3	31.9	95.7





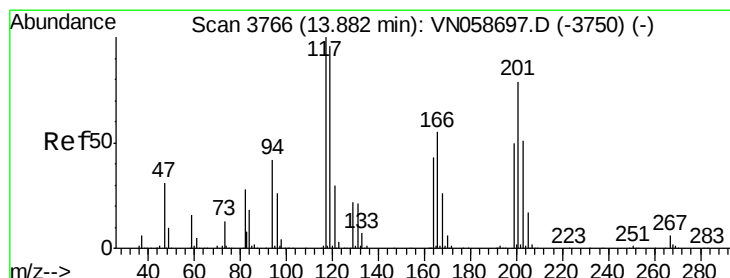
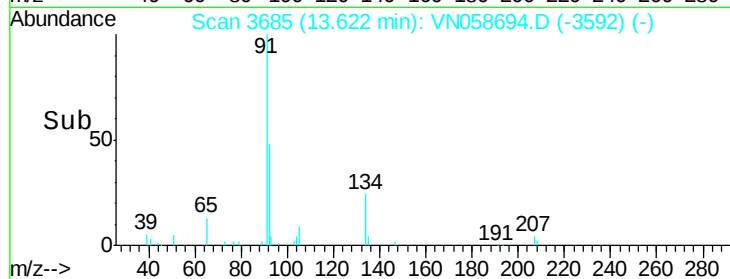
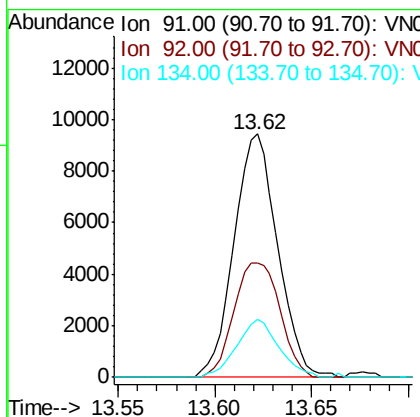
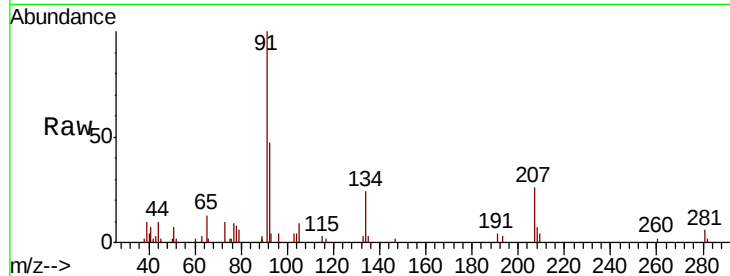
#89
n-Butylbenzene
Concen: 0.998 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.0	78.0
134	23.1	12.2	36.6

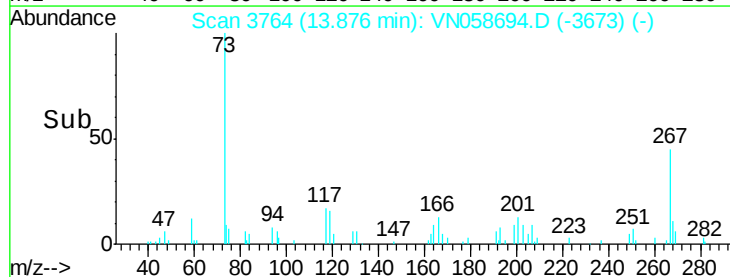
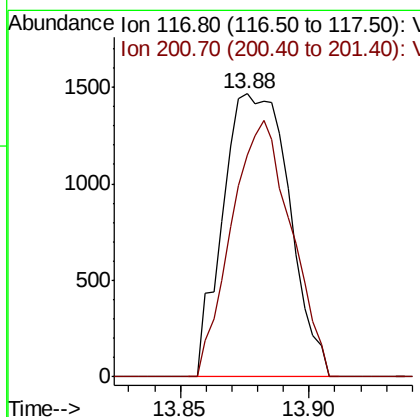
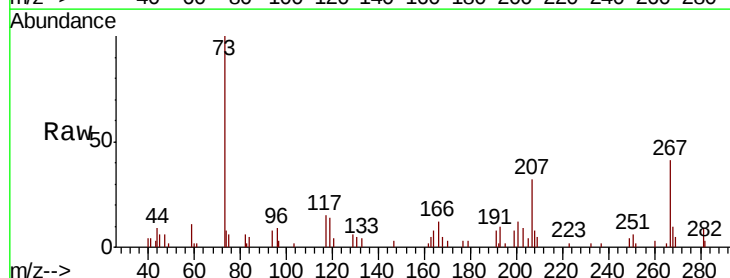
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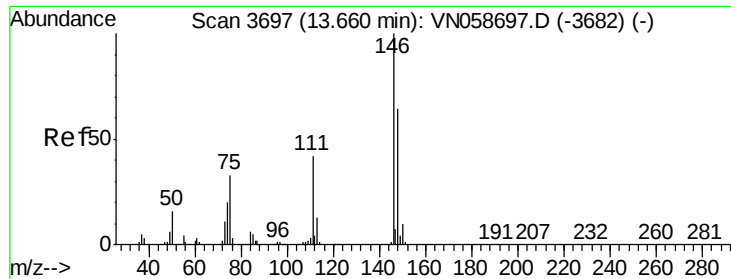
MMDadoda
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#90
Hexachloroethane
Concen: 1.052 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	39.6	118.7





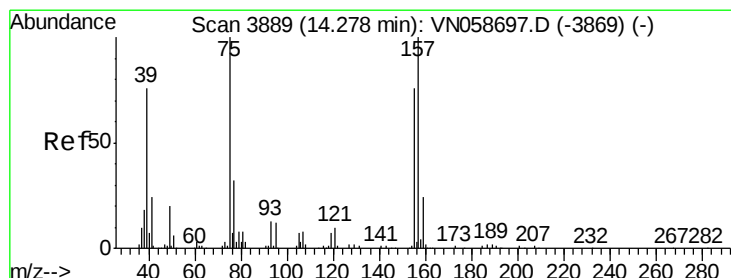
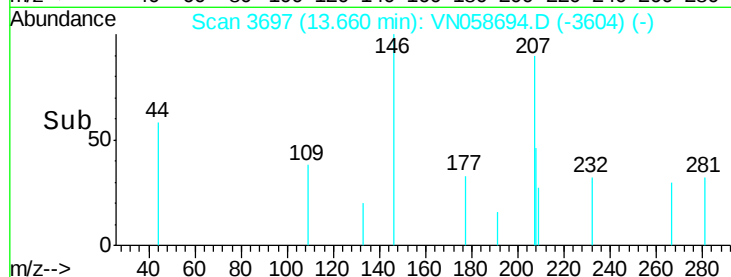
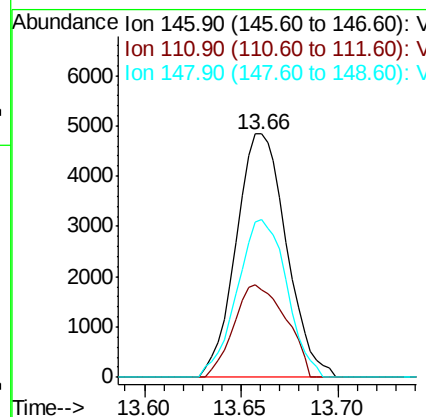
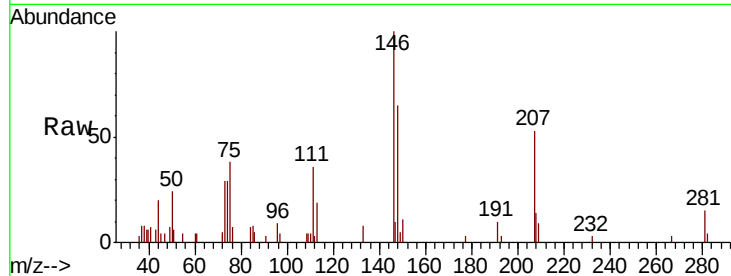
#91
 1,2-Dichlorobenzene
 Concen: 1.079 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.1	63.4
148	64.0	31.8	95.3

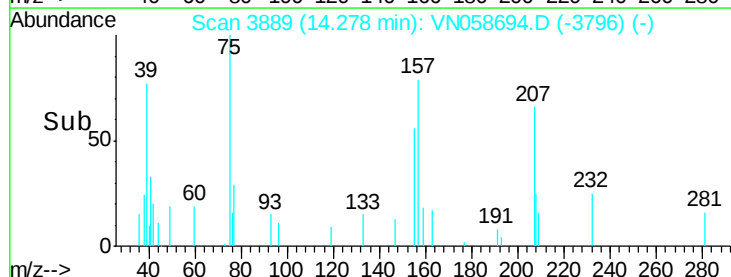
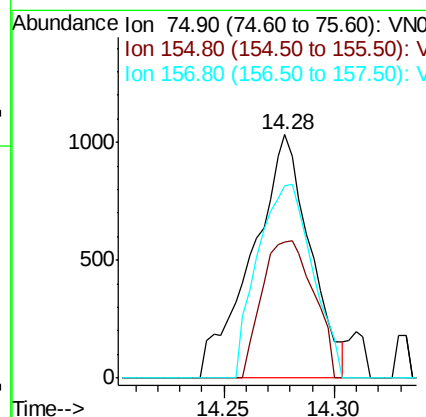
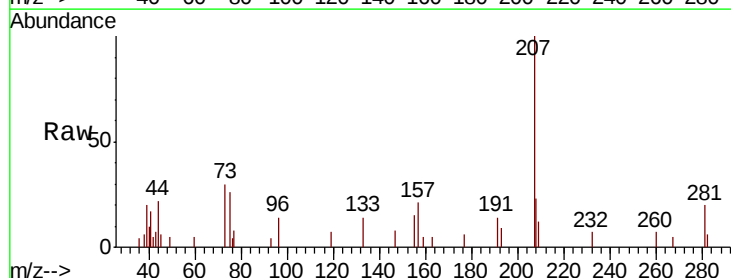
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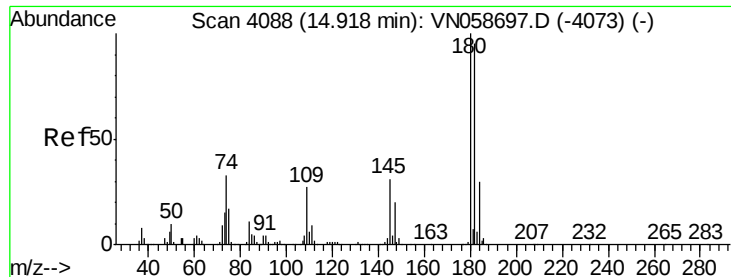
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.737 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	50.6	37.9	113.6
157	75.6	49.4	148.2





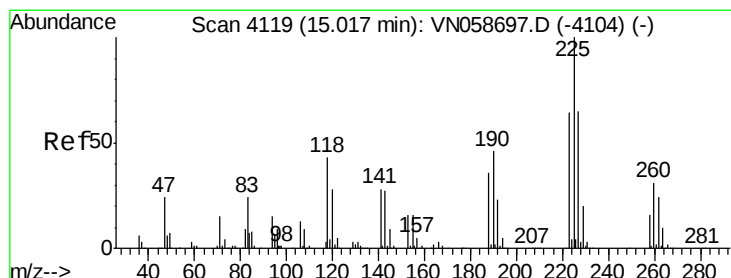
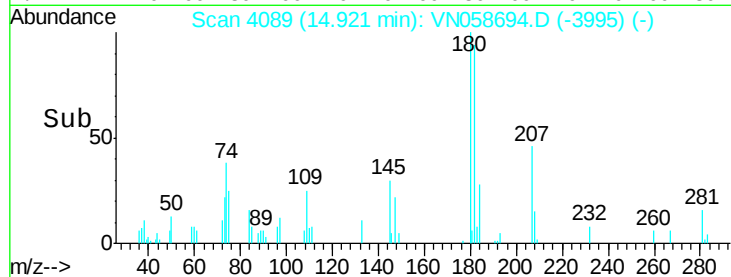
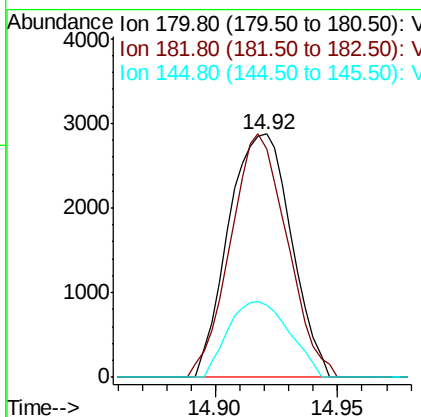
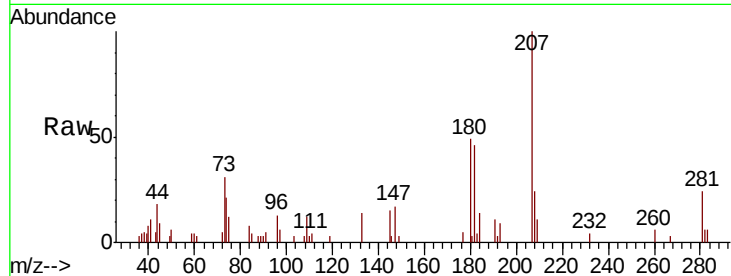
#93
 1,2,4-Trichlorobenzene
 Concen: 1.133 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.4	142.2
145	30.5	15.4	46.2

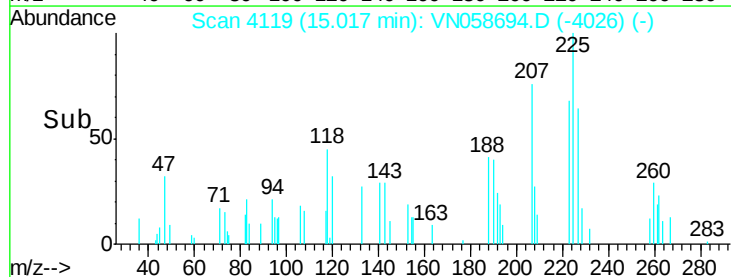
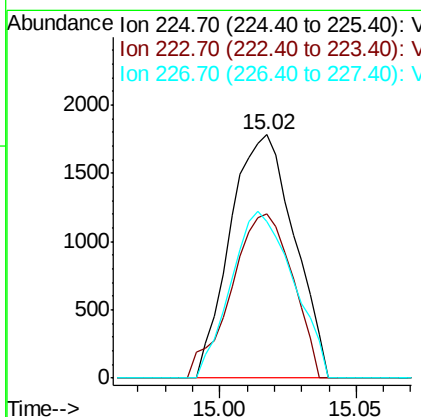
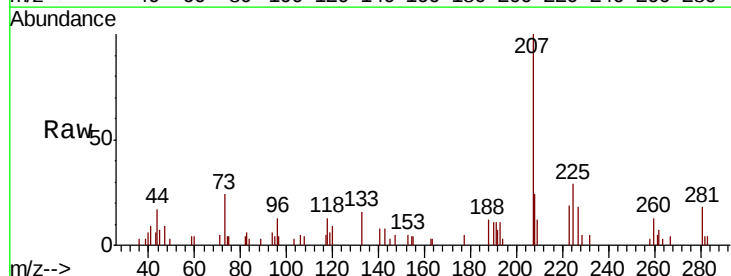
Manual Integrations
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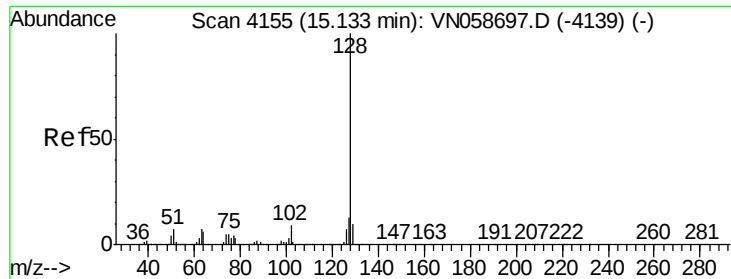
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#94
 Hexachlorobutadiene
 Concen: 1.233 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.3	96.8
227	66.8	32.4	97.0





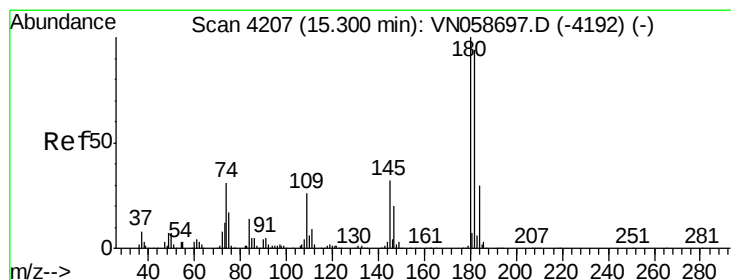
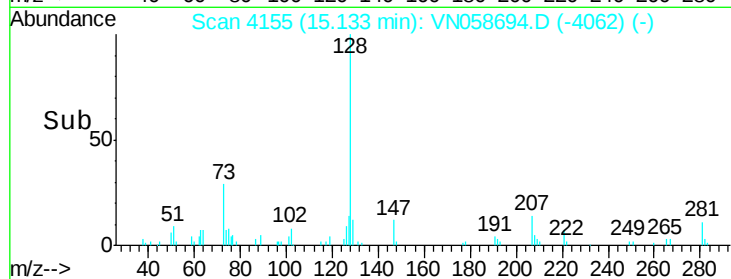
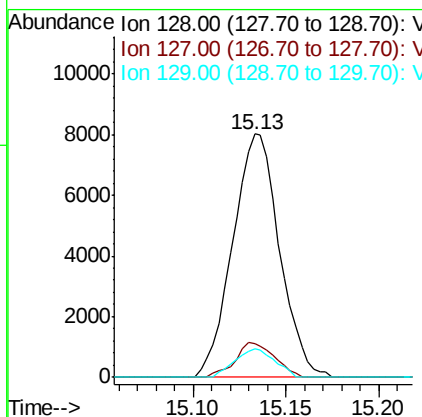
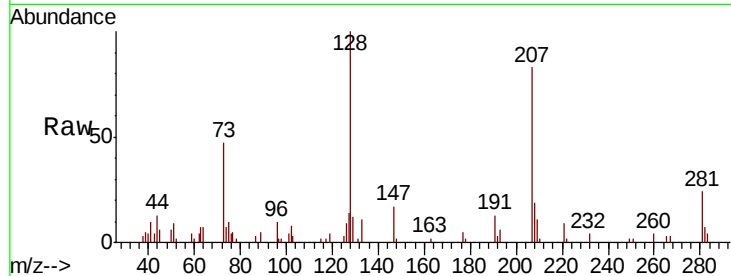
#95
Naphthalene
Concen: 1.175 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	10.0	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 1.234 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.7	47.3	142.0
145	32.5	16.2	48.6

