

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052480.D
 Acq On : 27 Nov 2018 15:53
 Operator : MD\SY
 Sample : VN1127WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:33:57 AM

Quant Time: Nov 28 06:42:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1089078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1715414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1480927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	643101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	594030	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	531943	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	2068788	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	681116	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	188835	18.518	ug/l	100
3) Chloromethane	2.06	50	251155	18.658	ug/l	98
4) Vinyl Chloride	2.19	62	258718	18.711	ug/l	100
5) Bromomethane	2.58	94	160486	18.602	ug/l	97
6) Chloroethane	2.71	64	158433	18.916	ug/l	100
7) Trichlorofluoromethane	3.02	101	320709	18.882	ug/l	100
8) Diethyl Ether	3.41	74	119096	18.988	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203271	19.179	ug/l	98
10) Methyl Iodide	3.96	142	259958	18.416	ug/l	100
11) Tert butyl alcohol	4.78	59	50522	85.104	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	194975	19.112	ug/l	98
13) Acrolein	3.61	56	81016	100.860	ug/l	99
14) Allyl chloride	4.33	41	340257	19.352	ug/l	99
15) Acrylonitrile	4.99	53	334838	89.103	ug/l	98
16) Acetone	3.82	43	266584	85.234	ug/l	99
17) Carbon Disulfide	4.06	76	581882	18.124	ug/l	99
18) Methyl Acetate	4.33	43	156148	17.405	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	514978	18.973	ug/l	98
20) Methylene Chloride	4.56	84	225365	18.413	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	208314	19.119	ug/l	98
22) Diisopropyl ether	5.95	45	714163	19.337	ug/l	99
23) Vinyl Acetate	5.90	43	2145839	93.281	ug/l	100
24) 1,1-Dichloroethane	5.85	63	408507	19.372	ug/l	99
25) 2-Butanone	6.84	43	386803	87.252	ug/l	99
26) 2,2-Dichloropropane	6.83	77	285008	19.526	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	242124	19.077	ug/l	99
28) Bromochloromethane	7.20	49	185291	19.238	ug/l	99
29) Tetrahydrofuran	7.21	42	244622	85.551	ug/l	99
30) Chloroform	7.37	83	394439	18.748	ug/l	99
31) Cyclohexane	7.65	56	398356	19.293	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	323694	19.418	ug/l	98
36) 1,1-Dichloropropene	7.79	75	303656	18.745	ug/l	98
37) Ethyl Acetate	6.93	43	171065	17.303	ug/l	99
38) Carbon Tetrachloride	7.78	117	278766	19.010	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	375038	19.048	ug/l	99
40) Benzene	8.04	78	923854	19.137	ug/l	100
41) Methacrylonitrile	7.17	41	89387	16.538	ug/l	94
42) 1,2-Dichloroethane	8.13	62	274963	18.810	ug/l	99
43) Isopropyl Acetate	8.17	43	299298	17.889	ug/l	100
44) Trichloroethene	8.83	130	237386	19.197	ug/l	99
45) 1,2-Dichloropropane	9.12	63	247435	19.278	ug/l	100
46) Dibromomethane	9.21	93	134020	18.862	ug/l	99
47) Bromodichloromethane	9.40	83	290959	18.835	ug/l	99
48) Methyl methacrylate	9.20	41	154366	17.695	ug/l	99
49) 1,4-Dioxane	9.20	88	33304	367.848	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	829148	88.330	ug/l	100
52) Toluene	10.16	92	556096	19.388	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	276624	18.614	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	342638	19.239	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191107	18.941	ug/l	99
56) Ethyl methacrylate	10.43	69	232581	18.400	ug/l	99
57) 1,3-Dichloropropane	10.71	76	333467	18.718	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	657485	89.806	ug/l	100
59) 2-Hexanone	10.75	43	548724	87.098	ug/l	100
60) Dibromochloromethane	10.90	129	202955	18.521	ug/l	100
61) 1,2-Dibromoethane	11.01	107	184483	18.410	ug/l	100
64) Tetrachloroethene	10.63	164	219580	19.124	ug/l	98
65) Chlorobenzene	11.43	112	600900	19.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	208096	19.599	ug/l	99
67) Ethyl Benzene	11.51	91	1055691	19.742	ug/l	99
68) m/p-Xylenes	11.62	106	788122	39.589	ug/l	100
69) o-Xylene	11.95	106	384307	19.880	ug/l	100
70) Styrene	11.96	104	612709	19.899	ug/l	99
71) Bromoform	12.13	173	129648	18.441	ug/l #	98
73) Isopropylbenzene	12.25	105	1027552	20.366	ug/l	100
74) N-amyl acetate	12.07	43	231942	18.196	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	218750	19.059	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	190246m	19.184	ug/l	
77) Bromobenzene	12.53	156	245304	19.670	ug/l	99
78) n-propylbenzene	12.59	91	1154574	20.143	ug/l	99
79) 2-Chlorotoluene	12.67	91	680523	19.937	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	823694	20.469	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52918	17.820	ug/l	95
82) 4-Chlorotoluene	12.77	91	681820	19.820	ug/l	100
83) tert-Butylbenzene	12.99	119	735164	20.493	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	826279	20.489	ug/l	100
85) sec-Butylbenzene	13.17	105	992916	20.321	ug/l	100
86) p-Isopropyltoluene	13.29	119	835794	20.083	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	426562	19.554	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	411795	19.164	ug/l	98
89) n-Butylbenzene	13.62	91	689521	19.922	ug/l	100
90) Hexachloroethane	13.88	117	135080	19.169	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	411033	19.722	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29669	18.074	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188060	18.369	ug/l	100
94) Hexachlorobutadiene	15.01	225	133746	19.948	ug/l	98
95) Naphthalene	15.13	128	367971	17.584	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	178422	18.797	ug/l	98

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

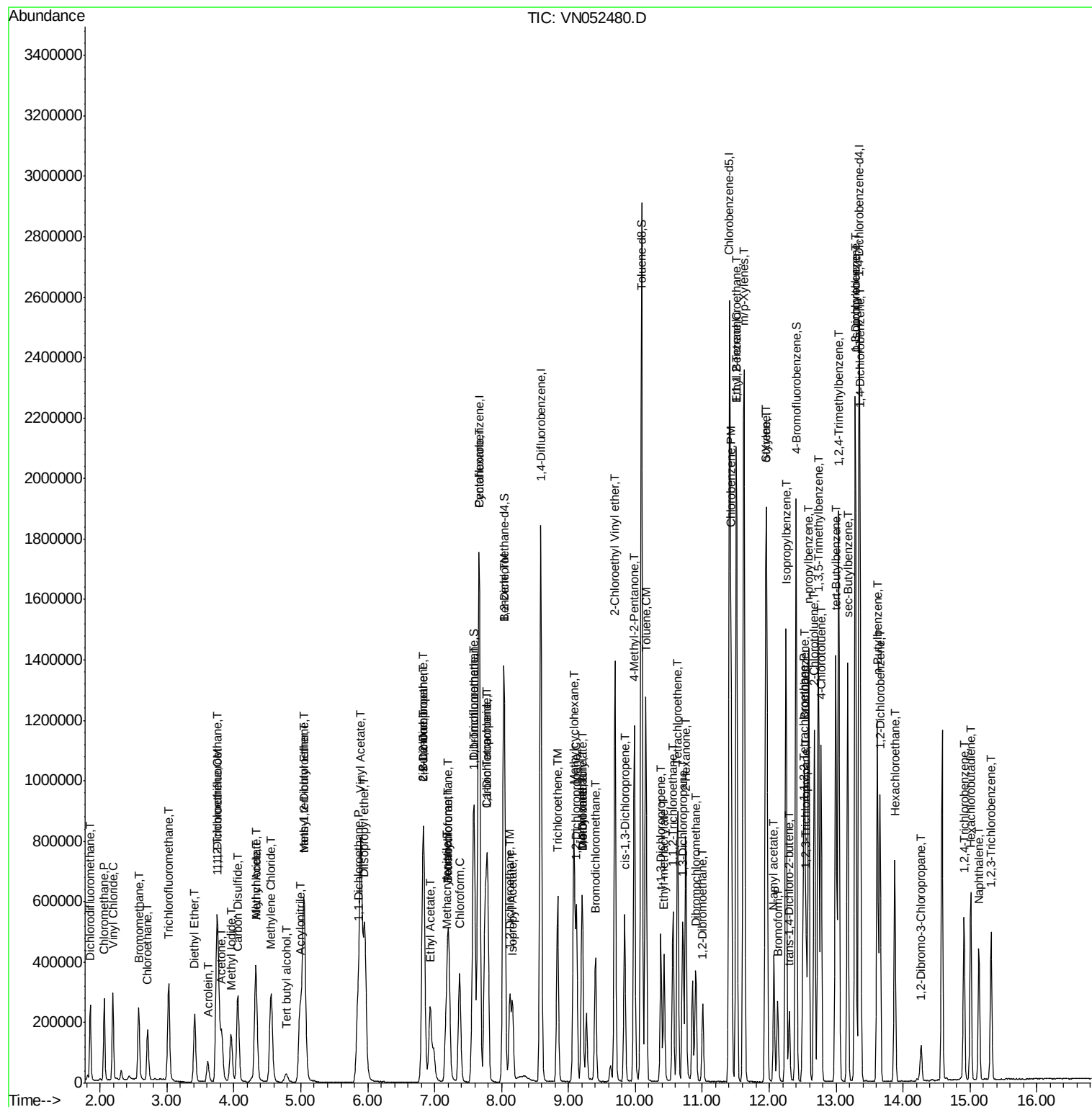
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 Data File : VN052480.D
 Acq On : 27 Nov 2018 15:53
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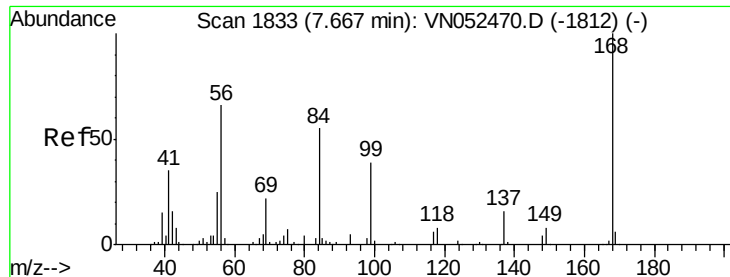
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1127WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion:168 Resp: 1089078

Ion Ratio Lower Upper

168 100

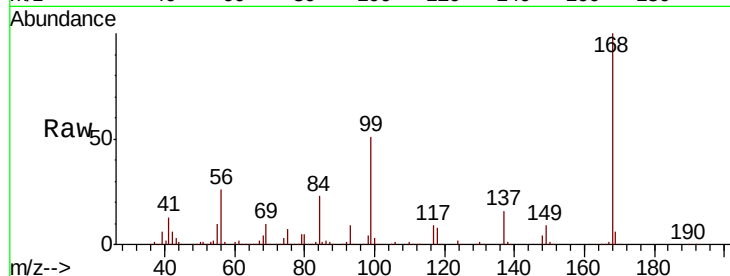
99 51.0 41.7 62.5

Manual Integrations

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11/28/2018 9:33:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

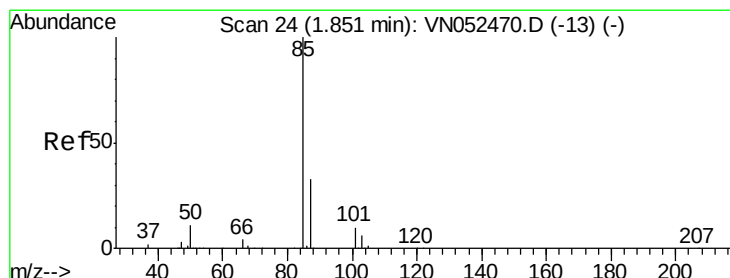
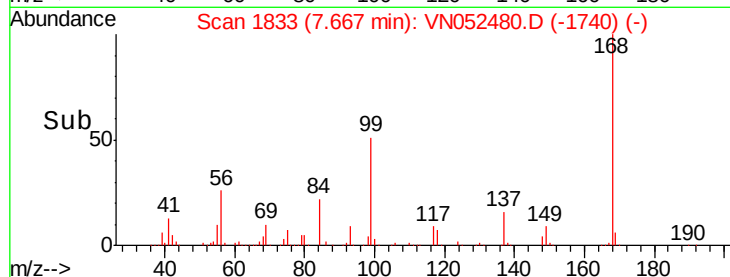
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.518 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052480.D

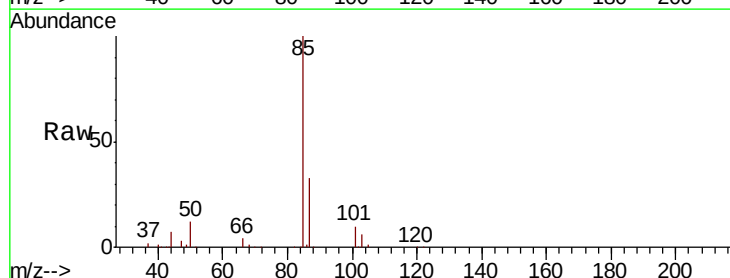
Acq: 27 Nov 2018 15:53

Tgt Ion: 85 Resp: 188835

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

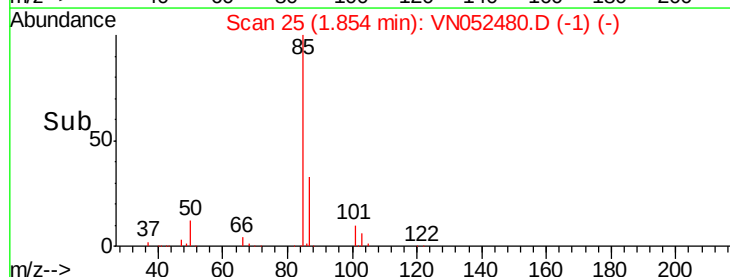
100000

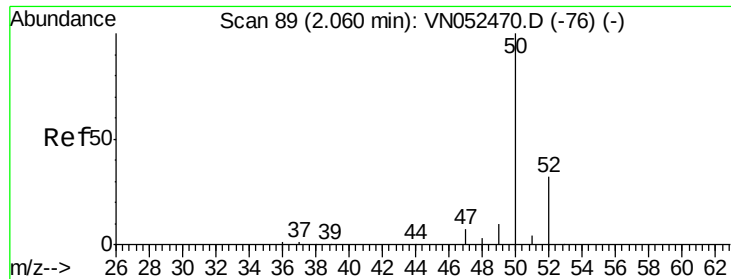
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.658 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 50 Resp: 251155

Ion Ratio Lower Upper

50 100

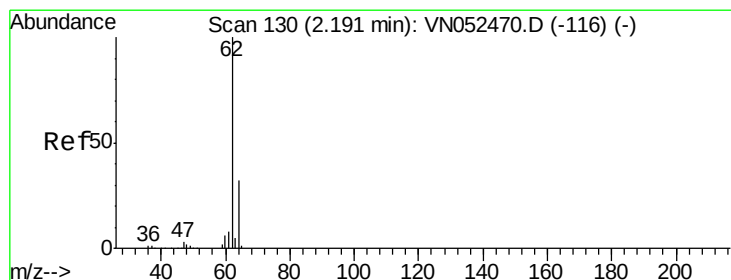
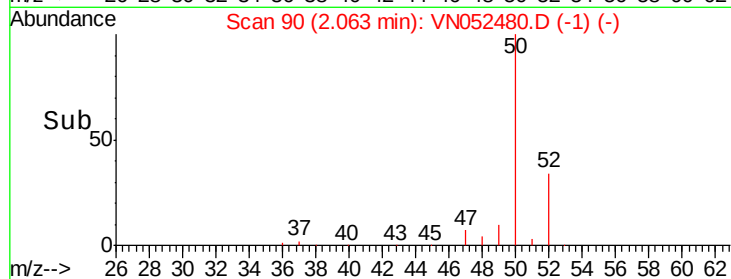
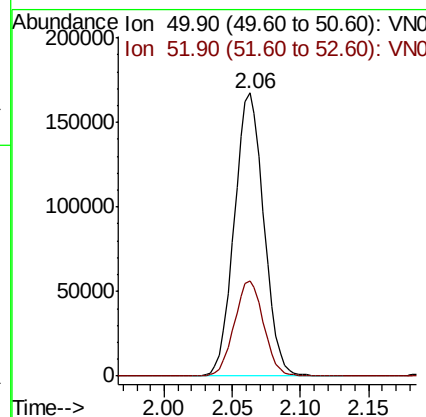
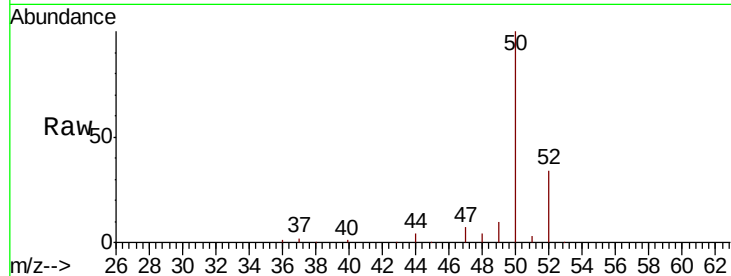
52 33.7 25.9 38.9

Manual Integrations

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11/28/2018 9:33:57 AM



#4

Vinyl Chloride

Concen: 18.711 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052480.D

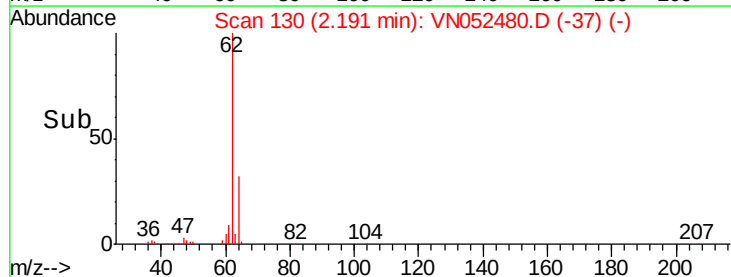
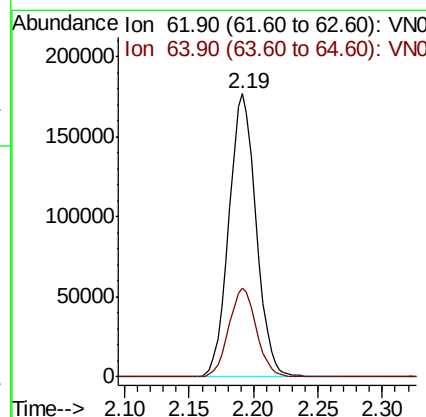
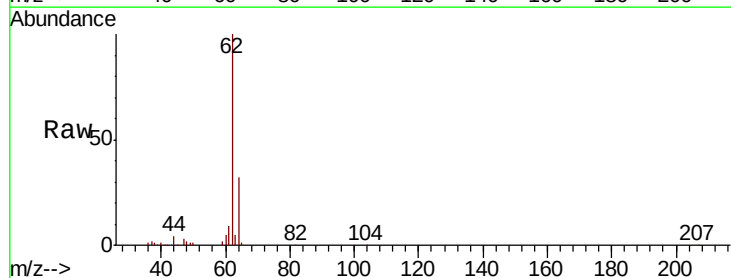
Acq: 27 Nov 2018 15:53

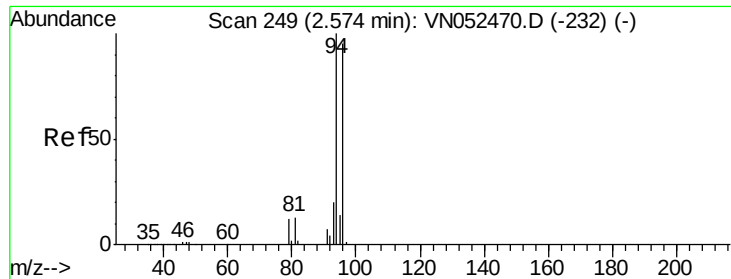
Tgt Ion: 62 Resp: 258718

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 18.602 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 94 Resp: 160486

Ion Ratio Lower Upper

94 100

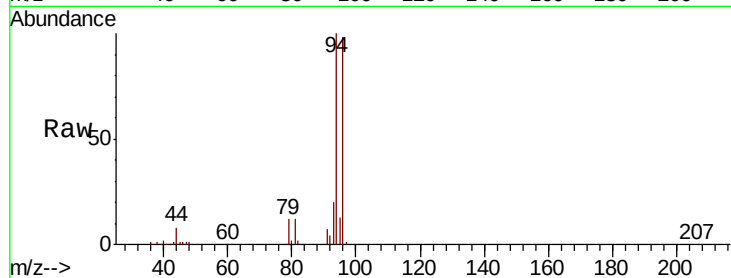
96 98.1 75.8 113.8

Manual Integrations

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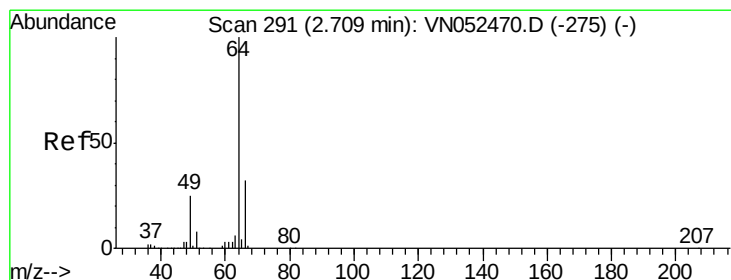
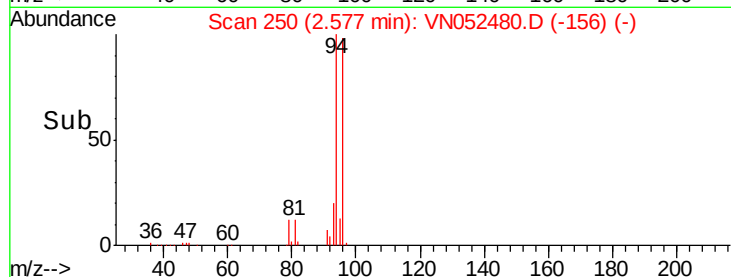
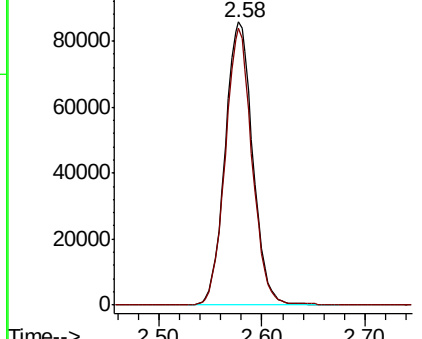
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11/28/2018 9:33:57 AM



Abundance Ion 93.90 (93.60 to 94.60): VN052480.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN052480.D (-156) (-)



#6

Chloroethane

Concen: 18.916 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052480.D

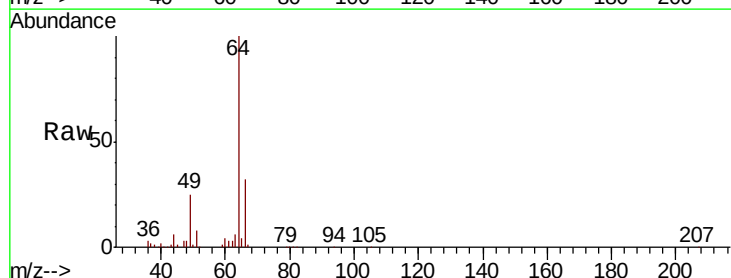
Acq: 27 Nov 2018 15:53

Tgt Ion: 64 Resp: 158433

Ion Ratio Lower Upper

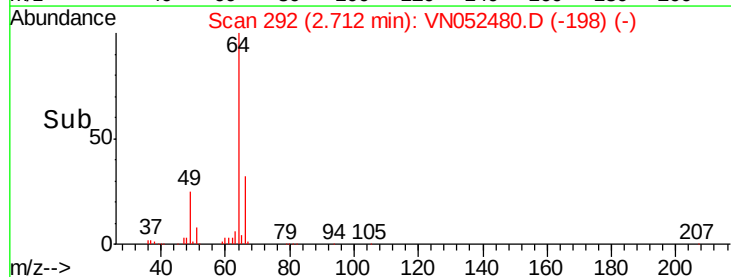
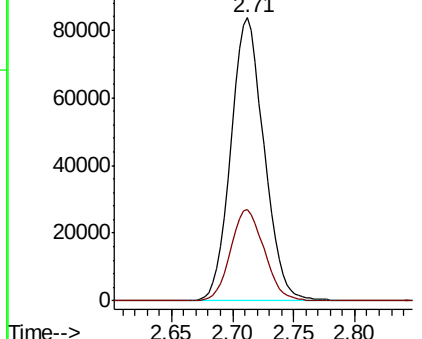
64 100

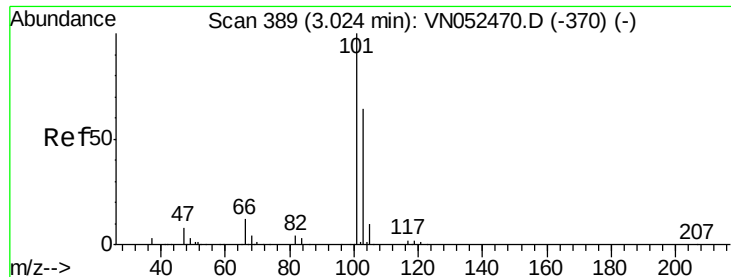
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052480.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN052480.D (-198) (-)





#7

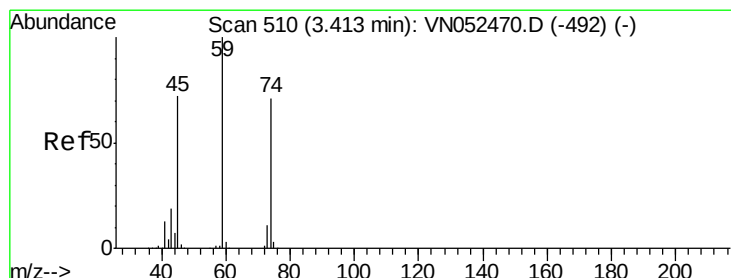
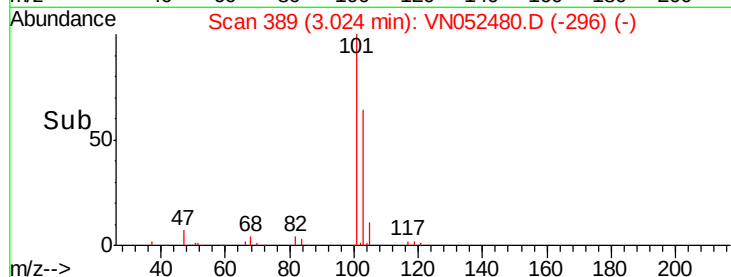
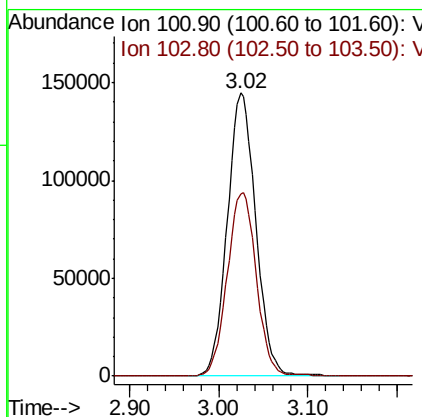
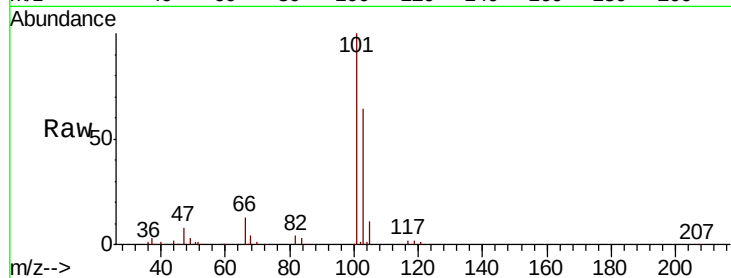
Trichlorofluoromethane
Concen: 18.882 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
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ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

Manual Integrations
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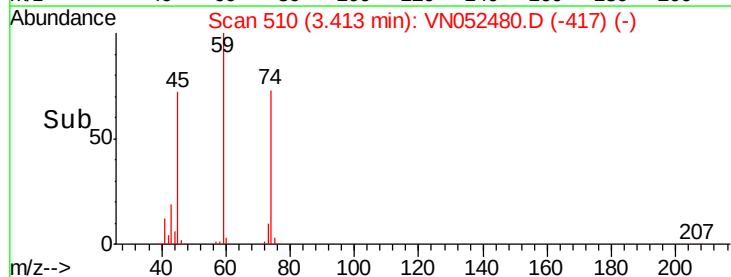
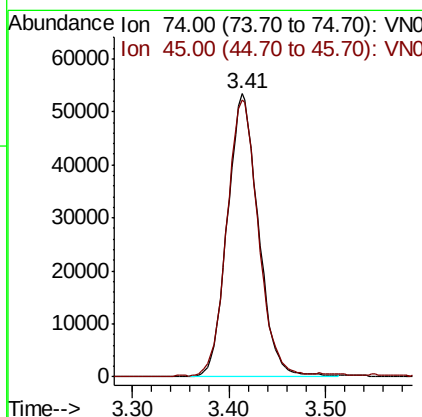
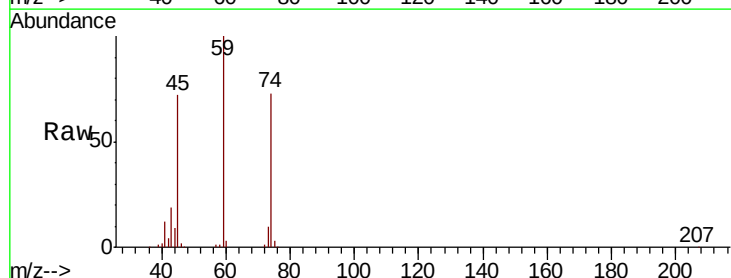
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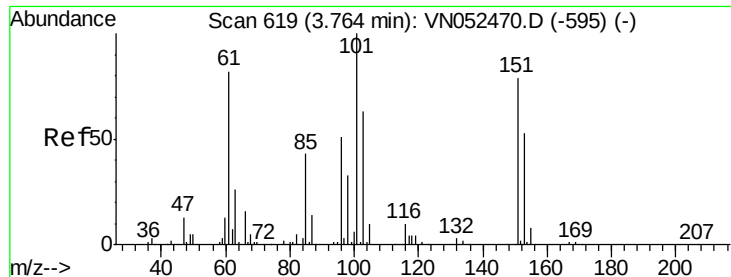


#8

Diethyl Ether
Concen: 18.988 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.179 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

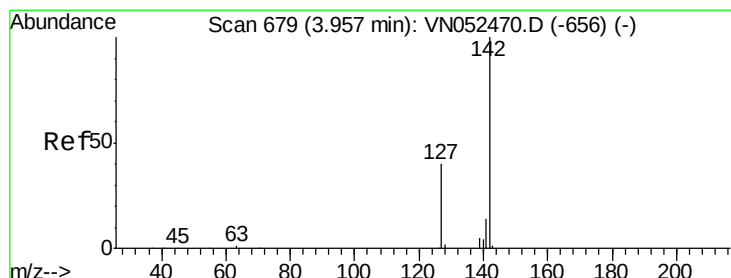
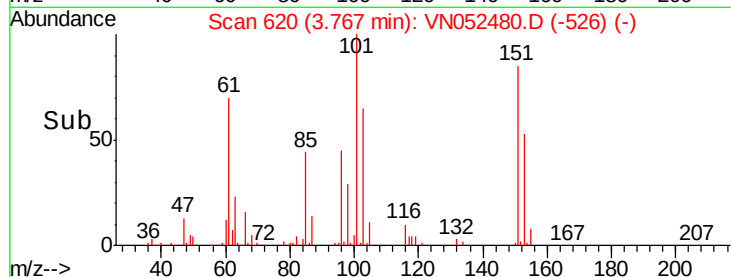
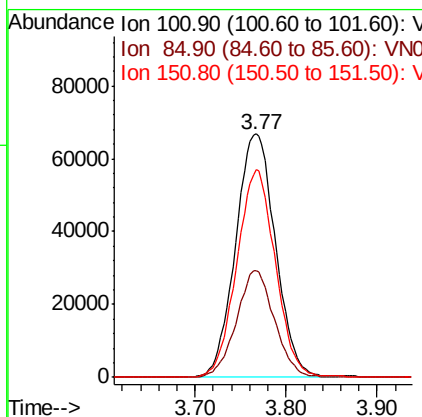
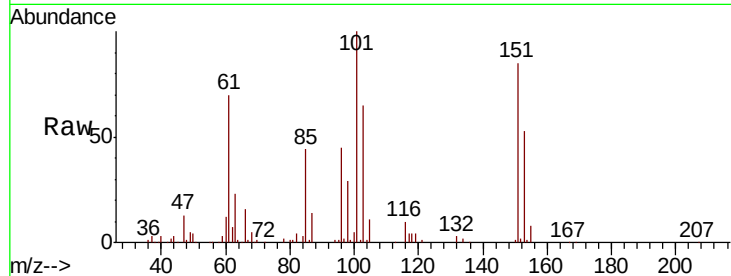
ClientSampleId :

VN1127WBS01

Tgt Ion:	101	Resp:	203271
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	82.5	64.6	96.8

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#10

Methyl Iodide

Concen: 18.416 ug/l

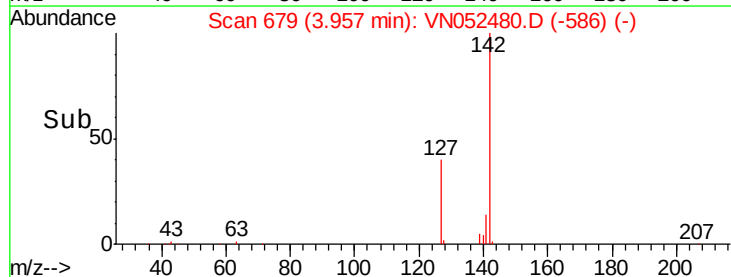
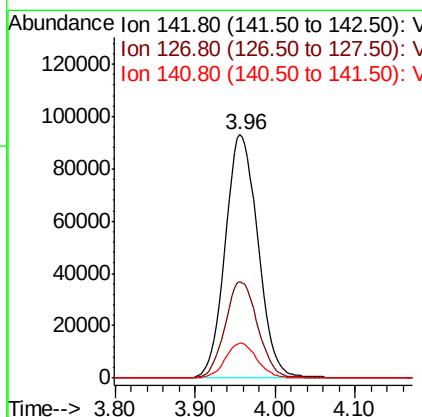
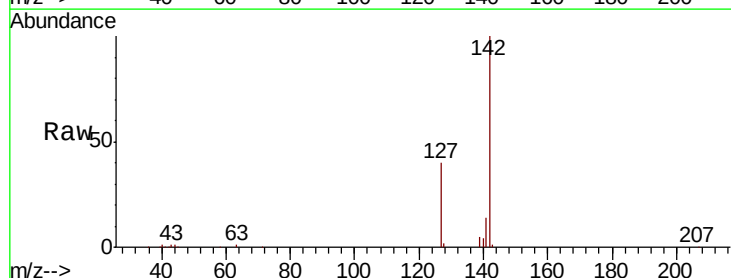
RT: 3.96 min Scan# 679

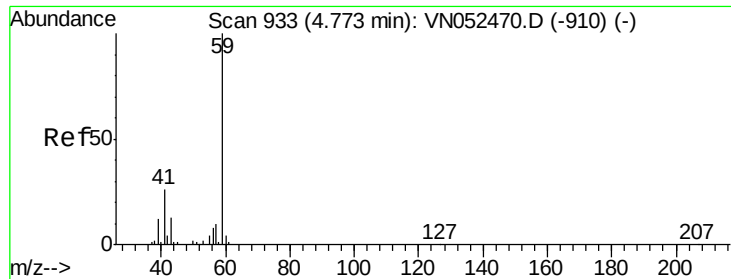
Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion:	142	Resp:	259958
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.8	47.6
141	13.8	11.4	17.0





#11

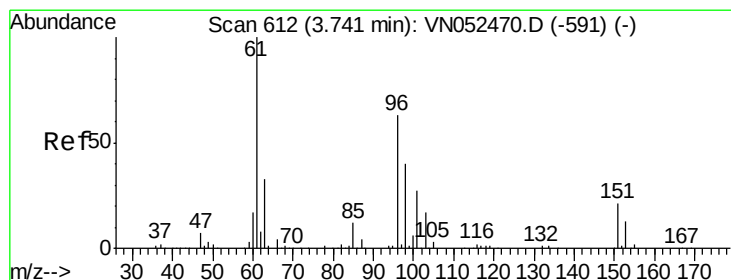
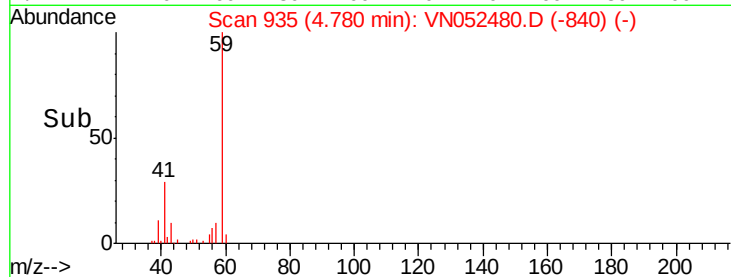
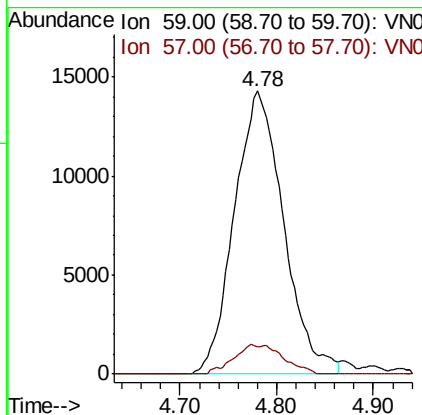
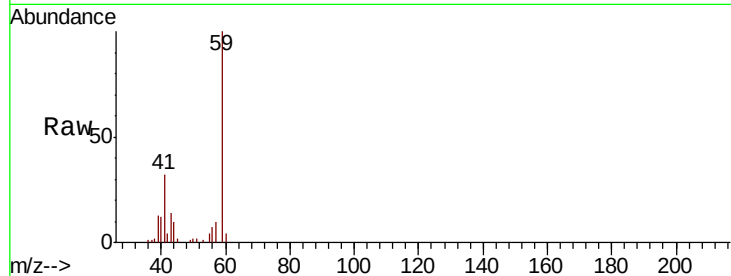
Tert butyl alcohol
 Concen: 85.104 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tgt Ion: 59 Resp: 50522
 Ion Ratio Lower Upper
 59 100
 57 5.1 7.9 11.9#

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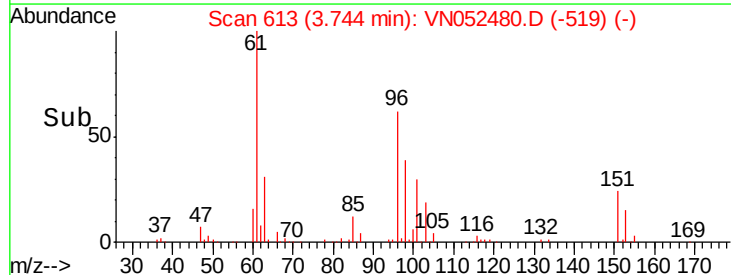
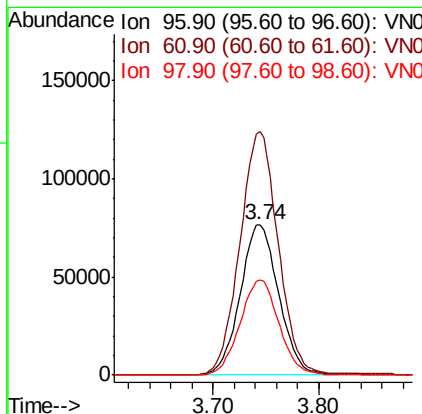
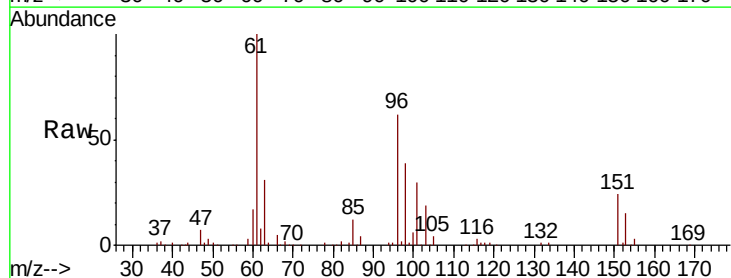
MMDadoda
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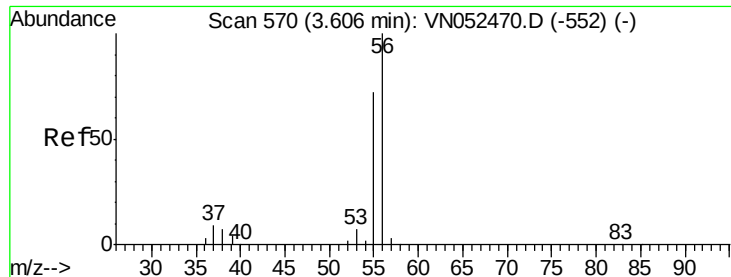


#12

1,1-Dichloroethene
 Concen: 19.112 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 96 Resp: 194975
 Ion Ratio Lower Upper
 96 100
 61 161.8 127.0 190.6
 98 63.5 50.3 75.5





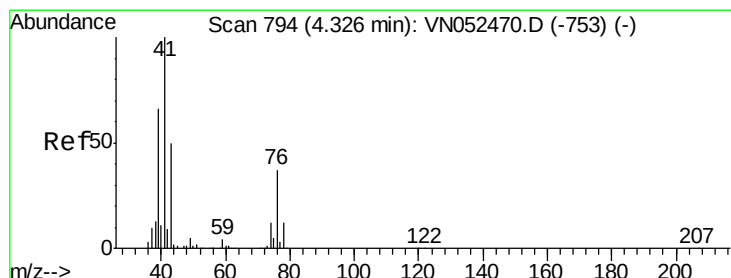
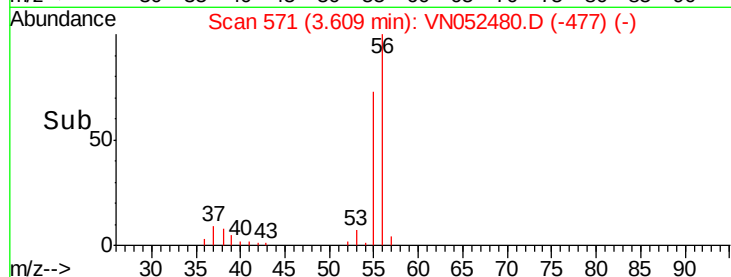
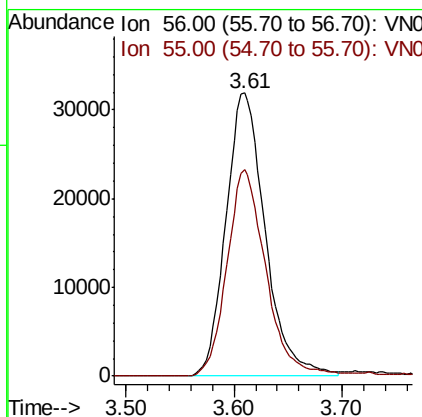
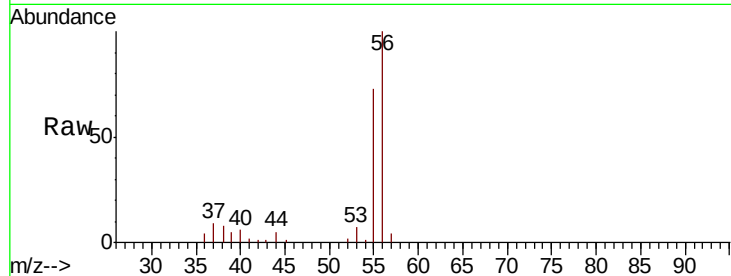
#13
Acrolein
Concen: 100.860 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion: 56 Resp: 81016
Ion Ratio Lower Upper
56 100
55 72.2 56.8 85.2

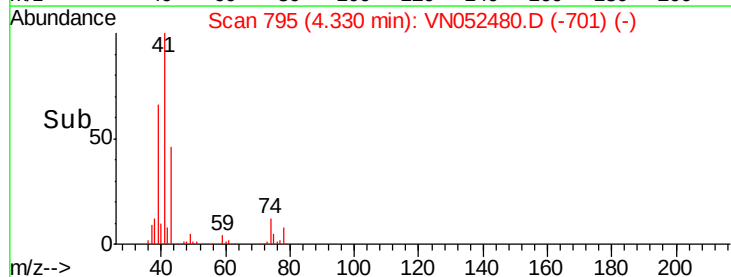
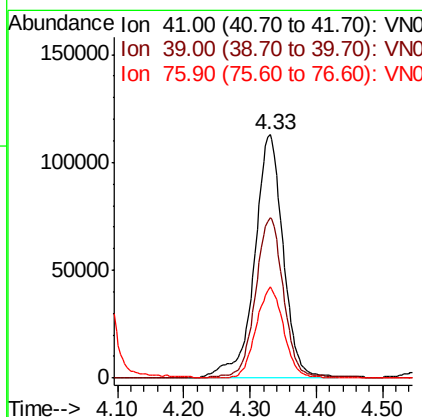
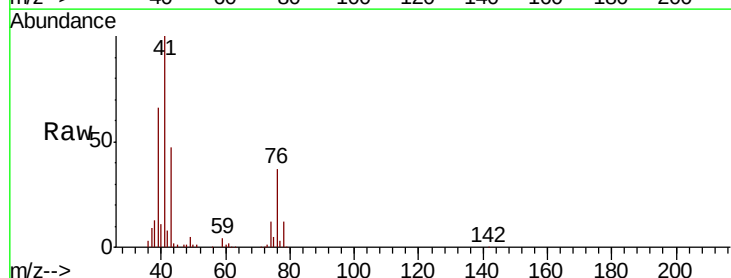
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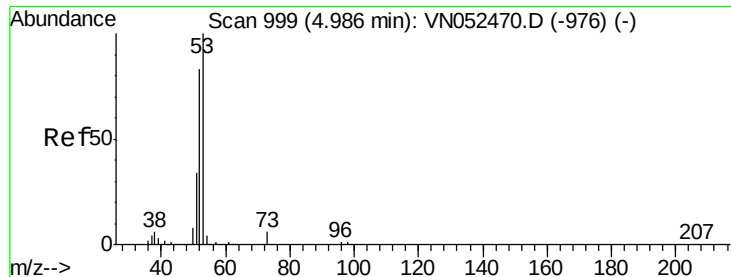
MMDadoda
11/28/2018 9:33:57 AM



#14
Allyl chloride
Concen: 19.352 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 41 Resp: 340257
Ion Ratio Lower Upper
41 100
39 64.3 50.6 76.0
76 35.2 27.4 41.2





#15

Acrylonitrile

Concen: 89.103 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

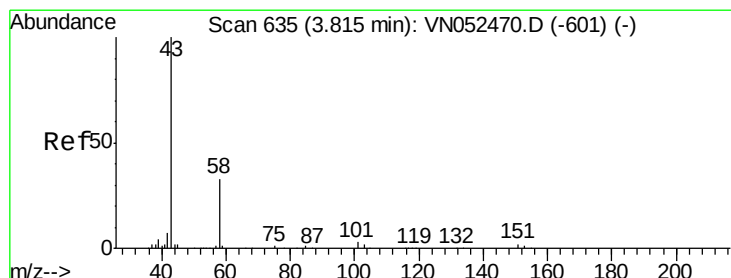
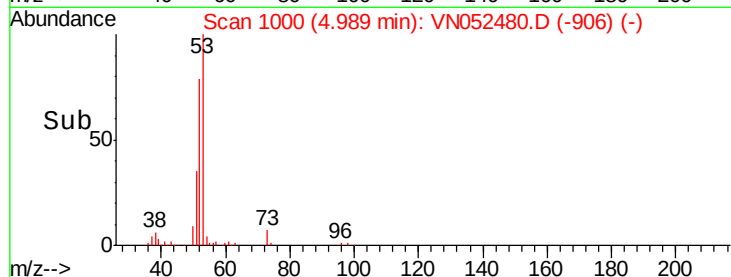
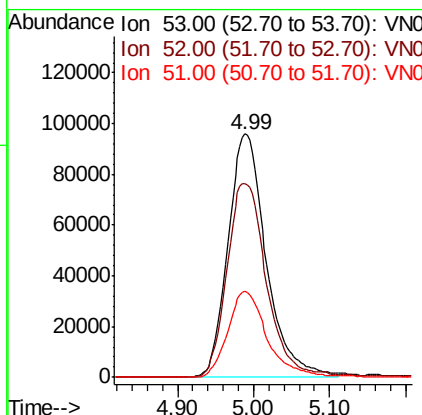
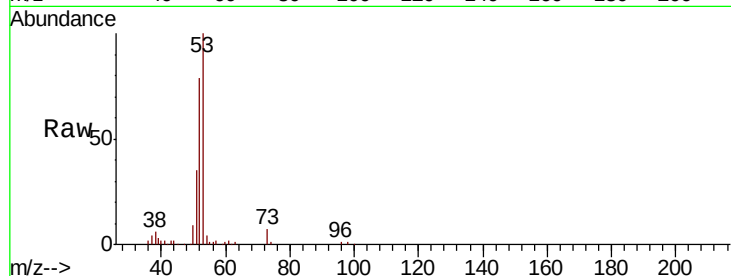
ClientSampleId :

VN1127WBS01

Tgt Ion:	53	Resp:	334838
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.2	99.2
51	36.3	28.1	42.1

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#16

Acetone

Concen: 85.234 ug/l

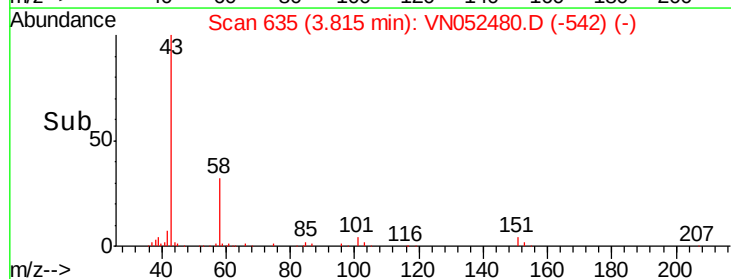
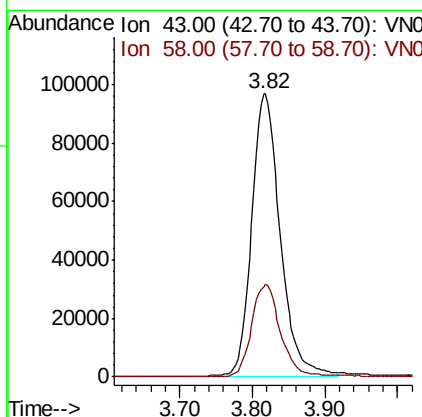
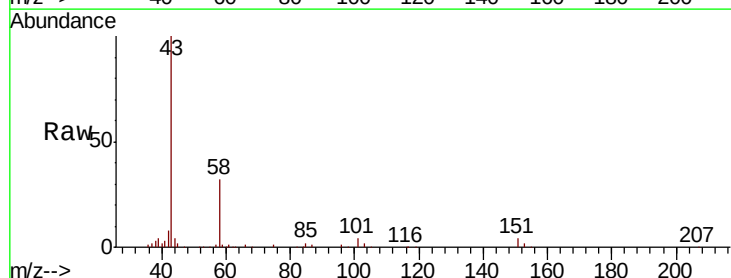
RT: 3.82 min Scan# 635

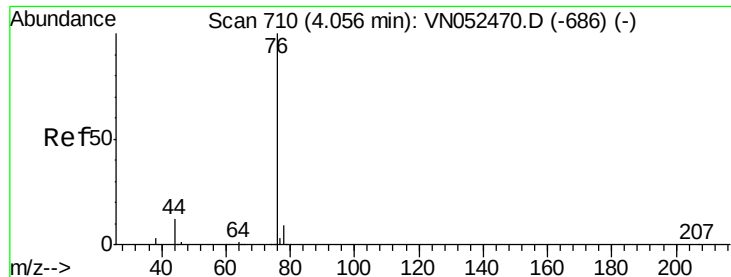
Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion:	43	Resp:	266584
Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.0	39.0





#17

Carbon Disulfide

Concen: 18.124 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 76 Resp: 581882

Ion Ratio Lower Upper

76 100

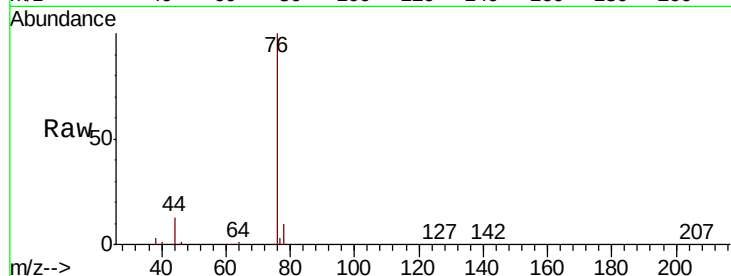
78 9.5 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-686) (-)

4.06

250000

200000

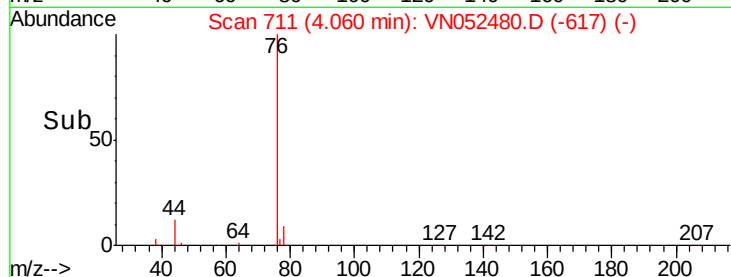
150000

100000

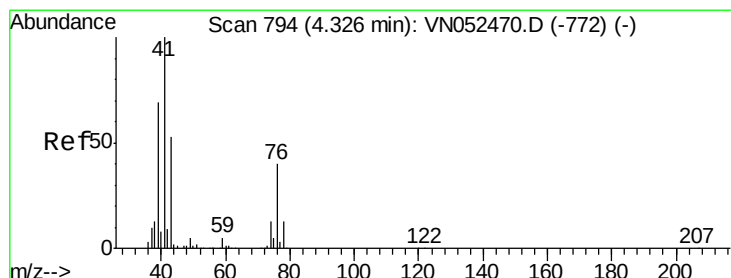
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 17.405 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052480.D

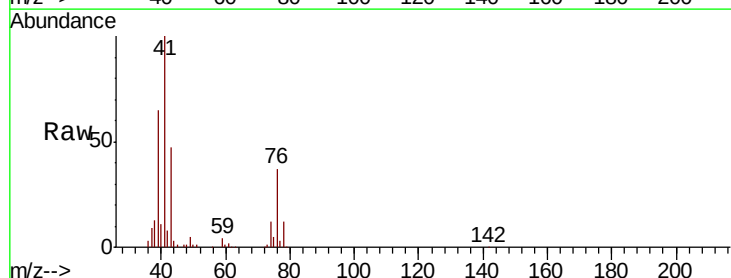
Acq: 27 Nov 2018 15:53

Tgt Ion: 43 Resp: 156148

Ion Ratio Lower Upper

43 100

74 24.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN052470.D (-772) (-)

4.33

60000

50000

40000

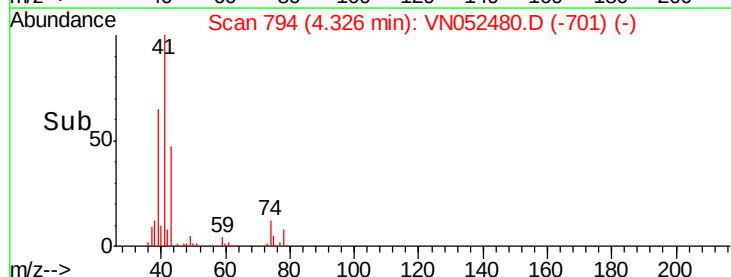
30000

20000

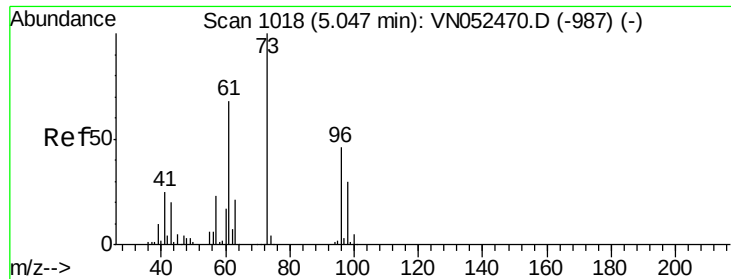
10000

0

Time-->



Time-->



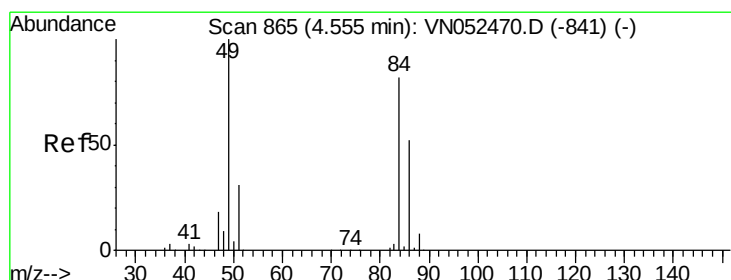
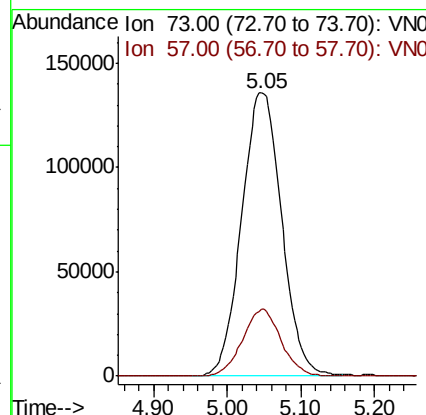
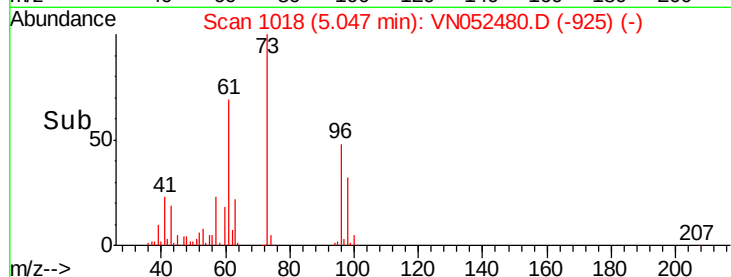
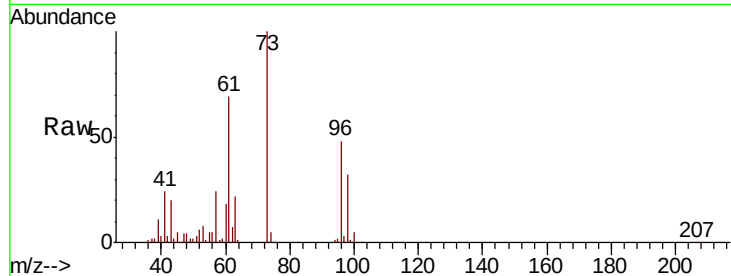
#19
Methyl tert-butyl Ether
Concen: 18.973 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion: 73 Resp: 514978
Ion Ratio Lower Upper
73 100
57 23.6 18.2 27.2

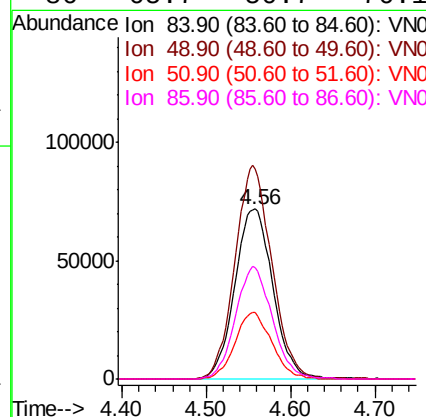
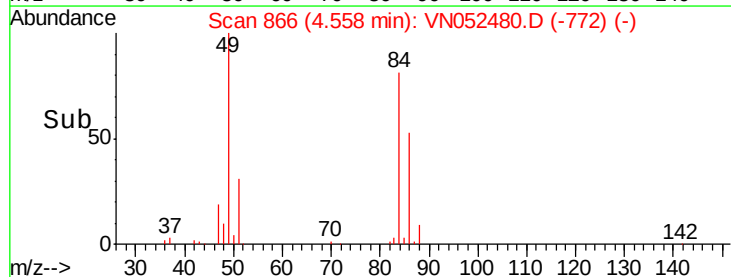
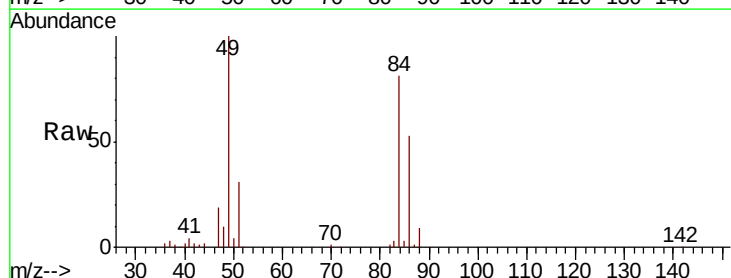
Manual Integrations
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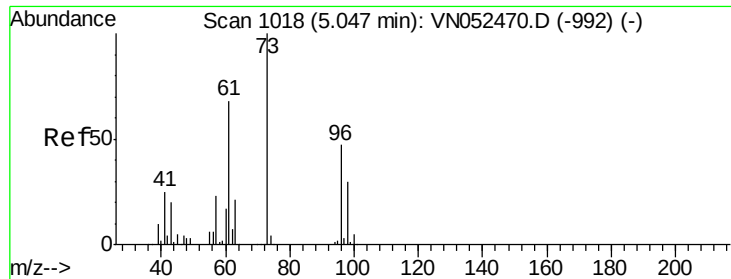
MMDadoda
11/28/2018 9:33:57 AM



#20
Methylene Chloride
Concen: 18.413 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 84 Resp: 225365
Ion Ratio Lower Upper
84 100
49 123.7 98.0 147.0
51 38.9 30.1 45.1
86 65.7 50.7 76.1





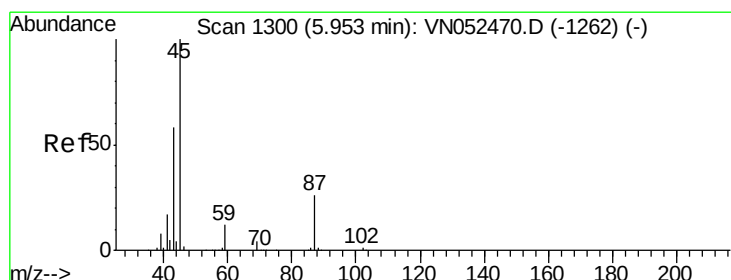
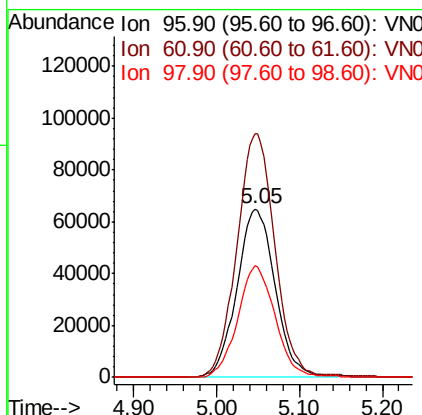
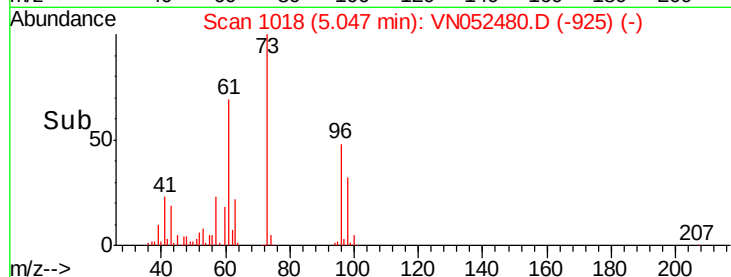
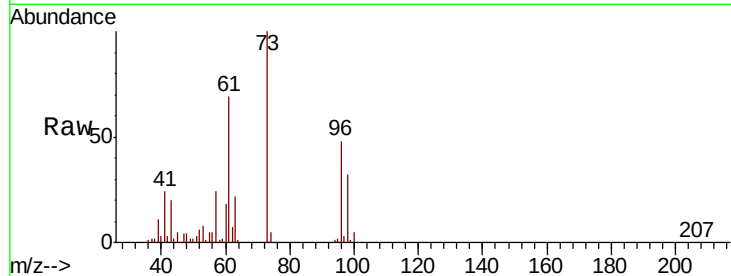
#21
trans-1,2-Dichloroethene
Concen: 19.119 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.3	117.0	175.4
98	66.1	51.8	77.6

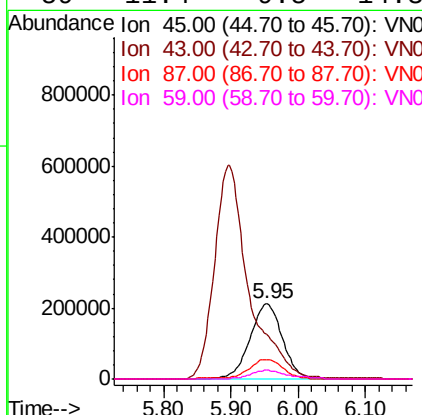
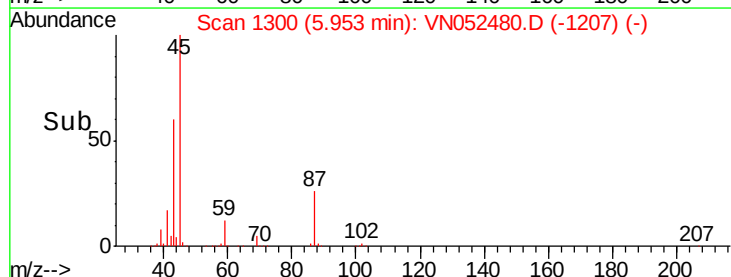
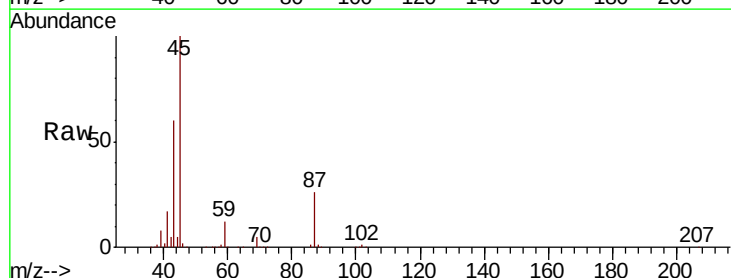
Manual Integrations
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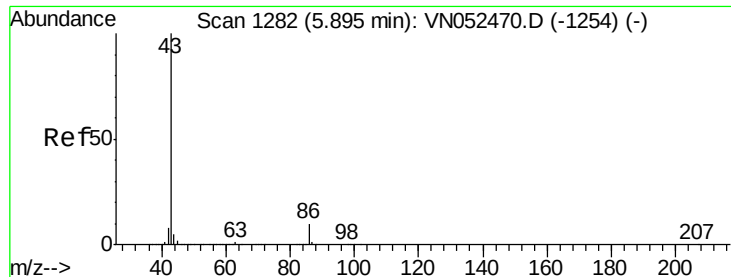
MMDadoda
11/28/2018 9:33:57 AM



#22
Diisopropyl ether
Concen: 19.337 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.1	69.1
87	26.1	21.3	31.9
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 93.281 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 43 Resp: 2145839

Ion Ratio Lower Upper

43 100

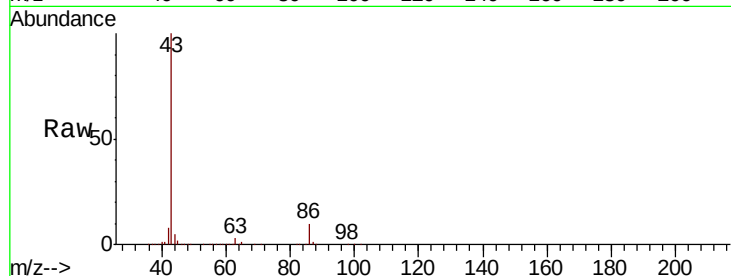
86 9.8 7.8 11.8

Manual Integrations

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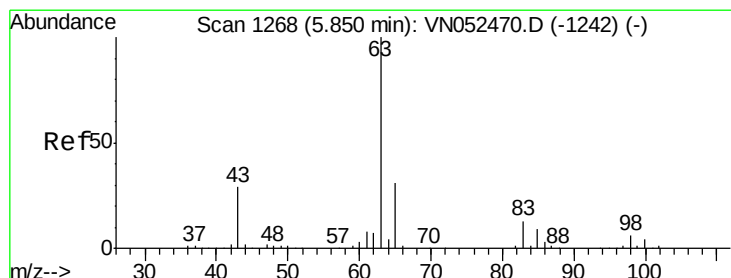
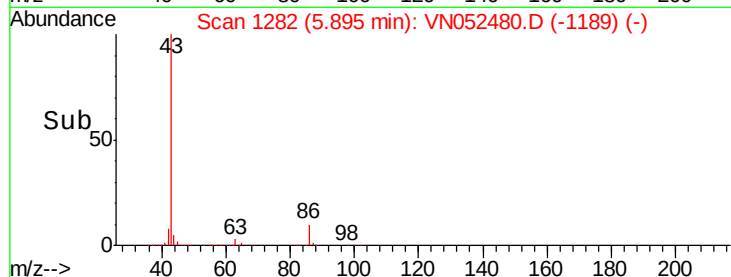
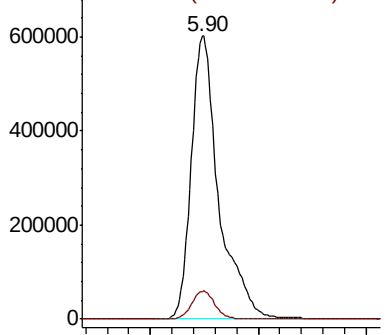
MMDadoda

11/28/2018 9:33:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.372 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

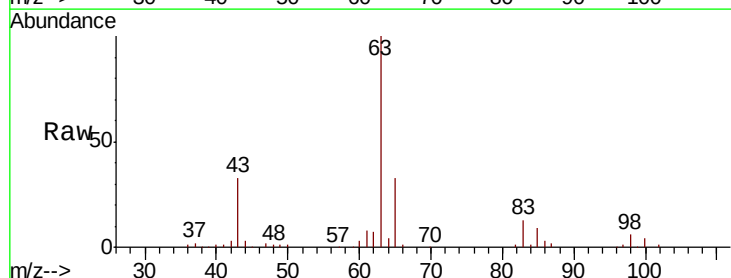
Tgt Ion: 63 Resp: 408507

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

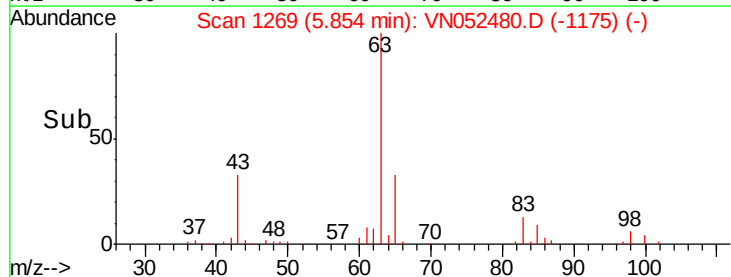
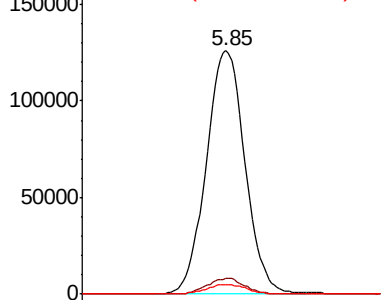
100 4.0 2.0 5.8

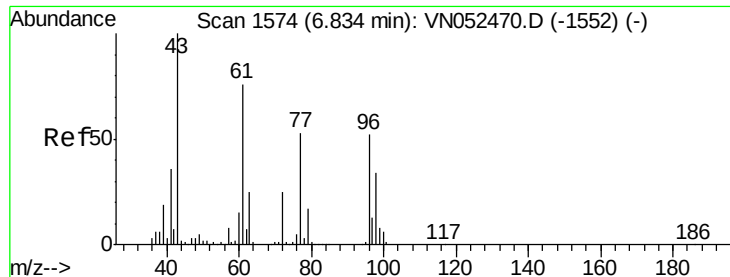


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





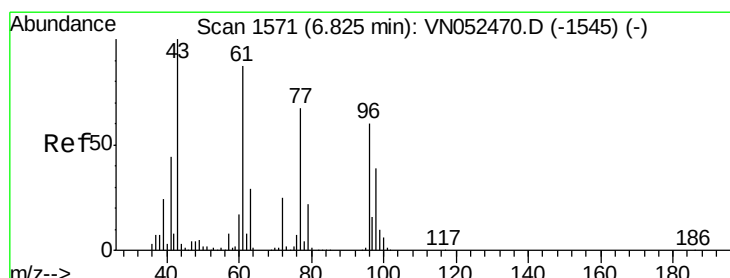
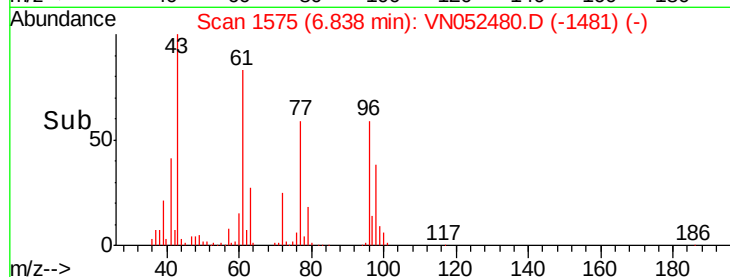
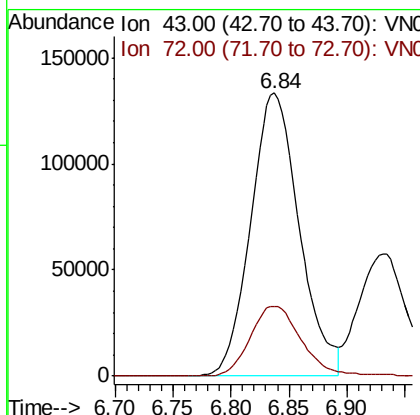
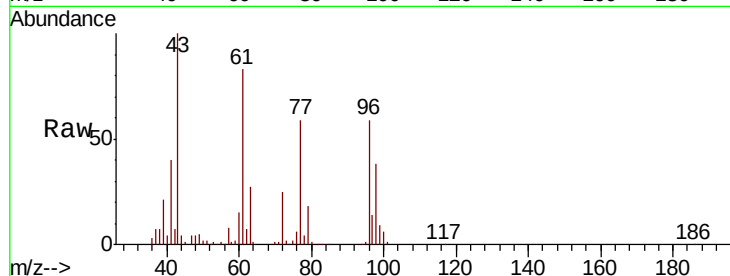
#25
2-Butanone
Concen: 87.252 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion: 43 Resp: 386803
Ion Ratio Lower Upper
43 100
72 24.8 20.1 30.1

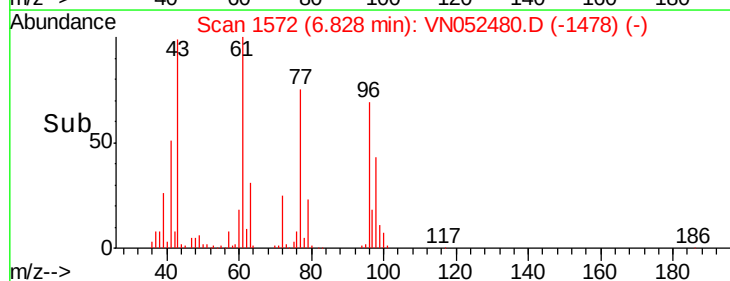
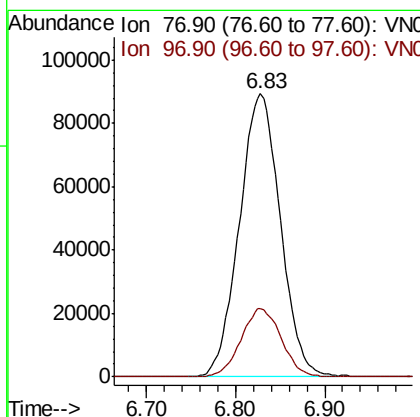
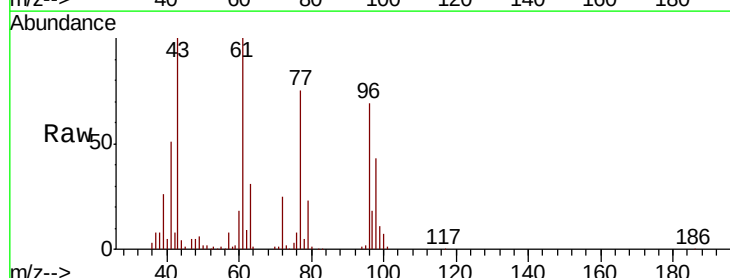
Manual Integrations
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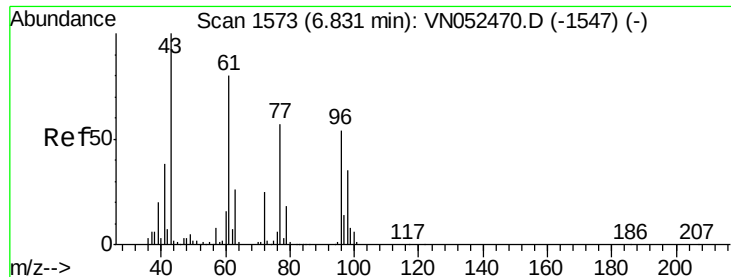
MMDadoda
11/28/2018 9:33:57 AM



#26
2,2-Dichloropropane
Concen: 19.526 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 77 Resp: 285008
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.077 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

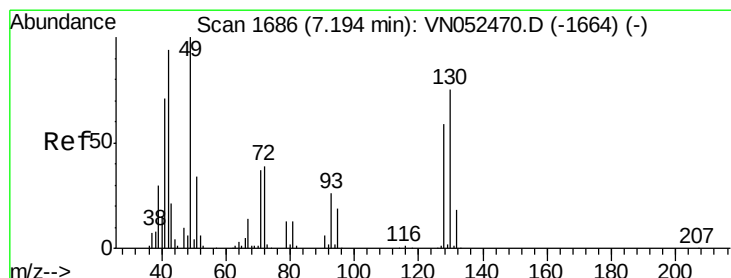
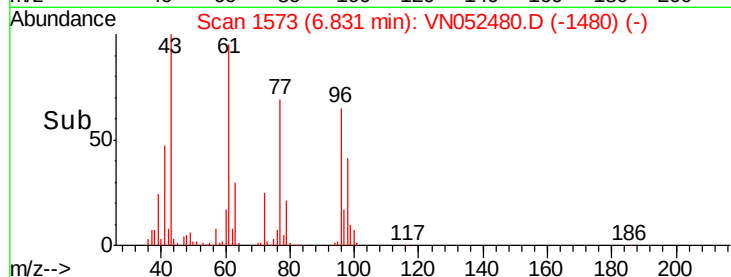
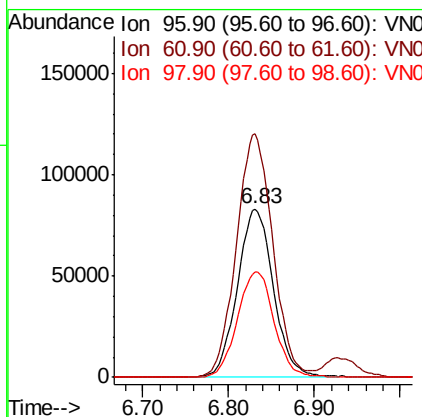
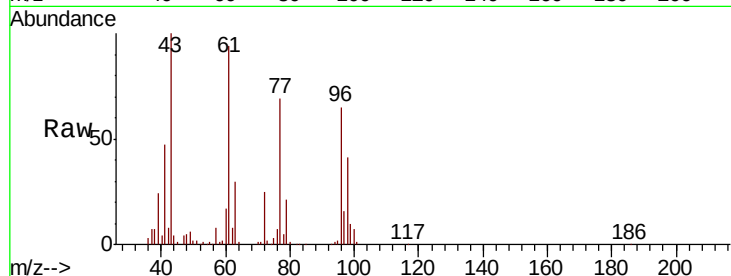
ClientSampleId :

VN1127WBS01

Tgt Ion:	96	Resp:	242124
Ion Ratio	Lower	Upper	
96	100		
61	145.8	0.0	291.0
98	64.0	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
11/28/2018 9:33:57 AM



#28

Bromochloromethane

Concen: 19.238 ug/l

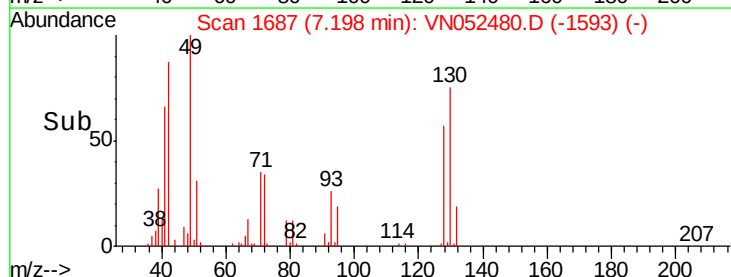
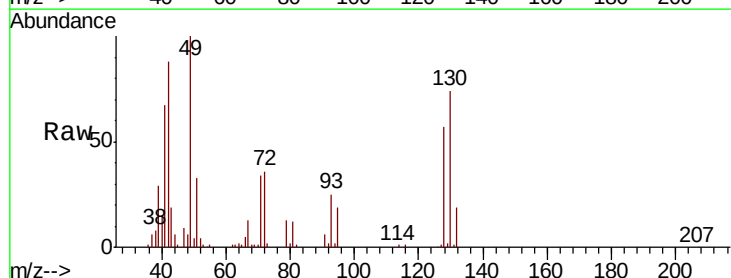
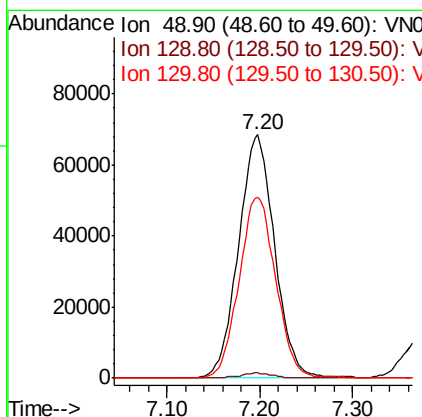
RT: 7.20 min Scan# 1687

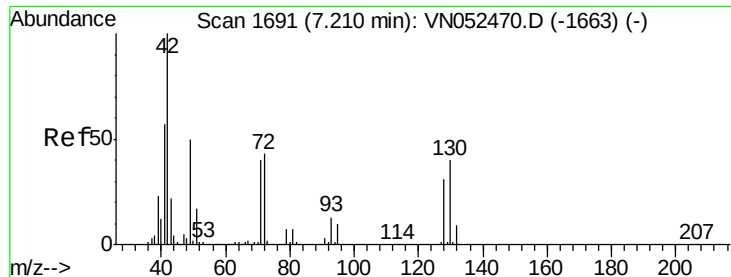
Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion:	49	Resp:	185291
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	75.7	60.2	90.2





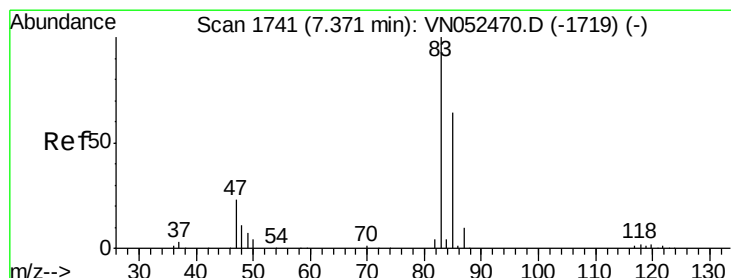
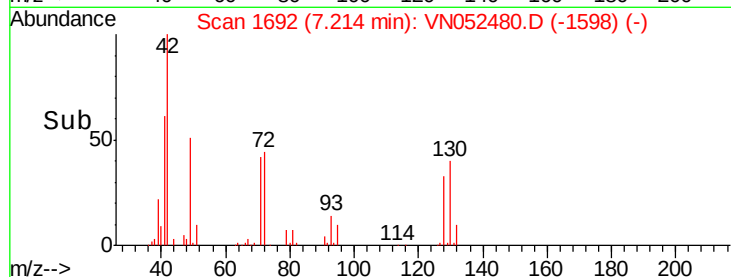
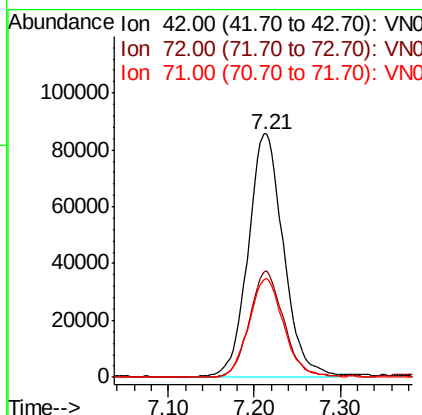
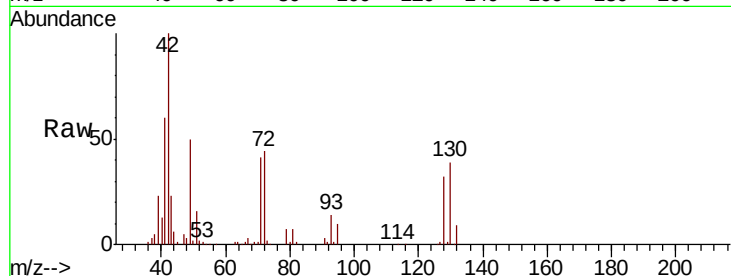
#29
Tetrahydrofuran
Concen: 85.551 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.3	49.9
71	40.3	32.0	48.0

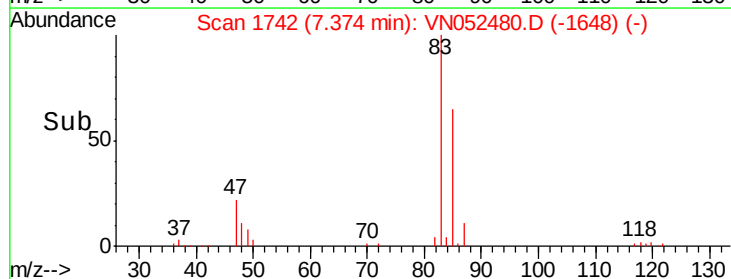
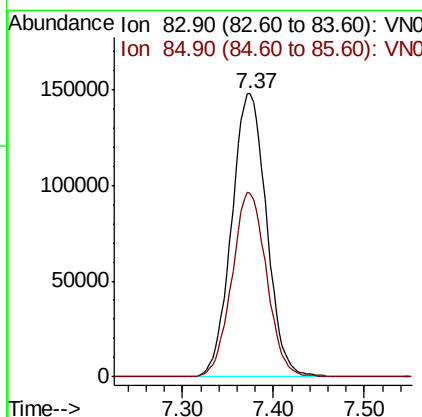
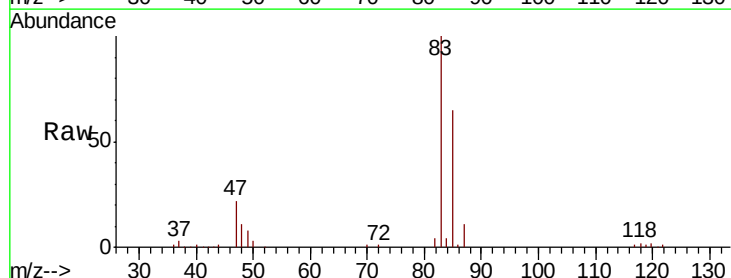
Manual Integrations
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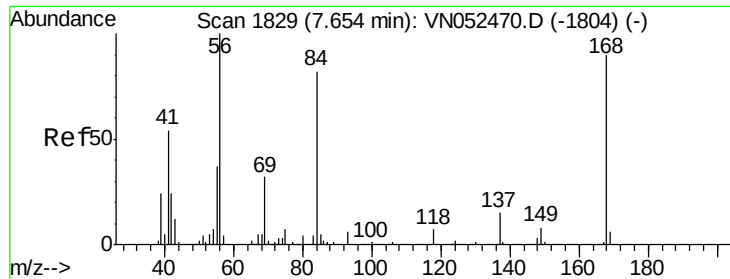
MMDadoda
11/28/2018 9:33:57 AM



#30
Chloroform
Concen: 18.748 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4





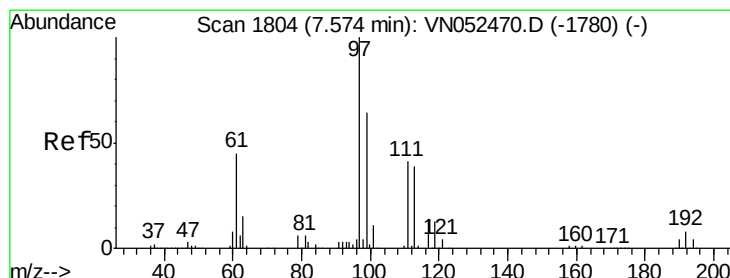
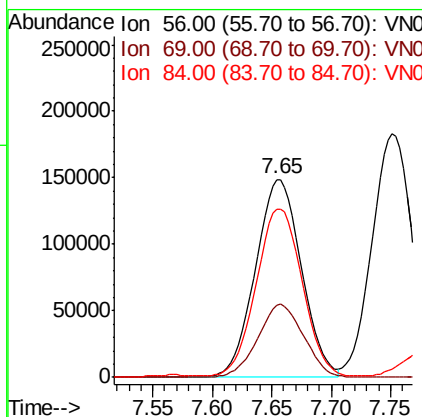
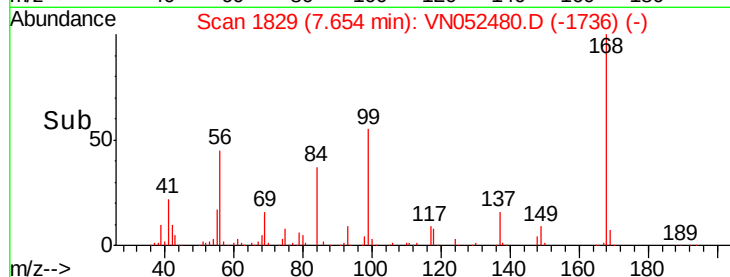
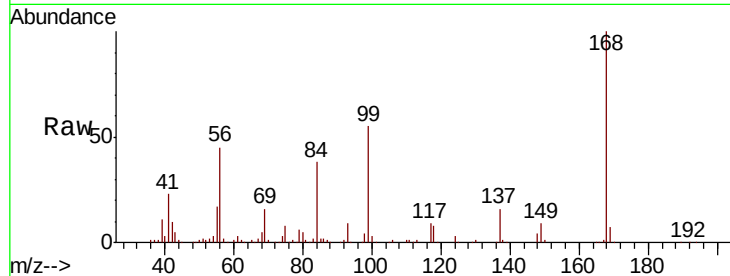
#31
Cyclohexane
Concen: 19.293 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.5	25.8	38.6
84	83.8	65.3	97.9

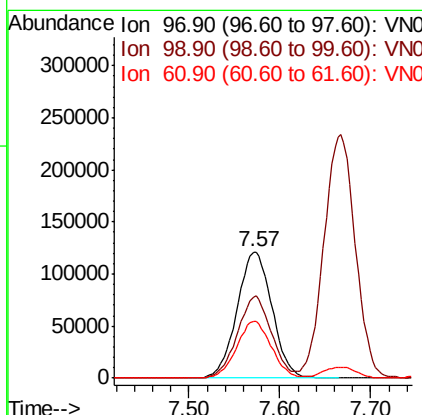
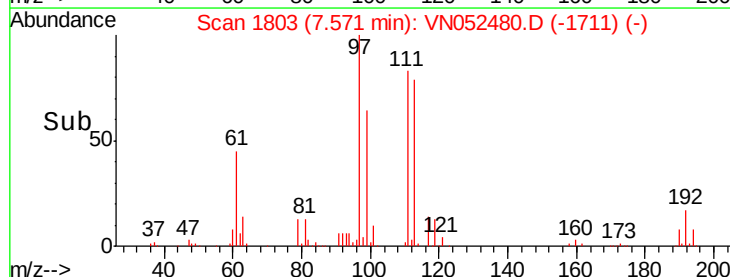
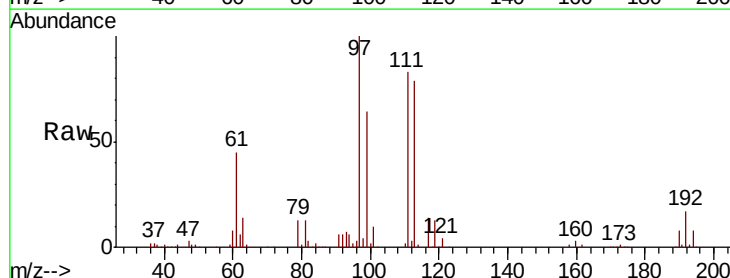
Manual Integrations
APPROVED

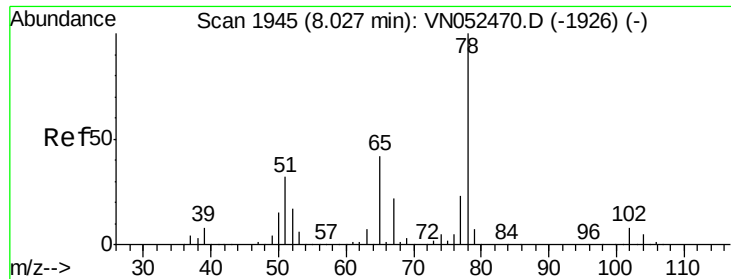
MMDadoda
11/28/2018 9:33:57 AM



#32
1,1,1-Trichloroethane
Concen: 19.418 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	44.6	36.8	55.2





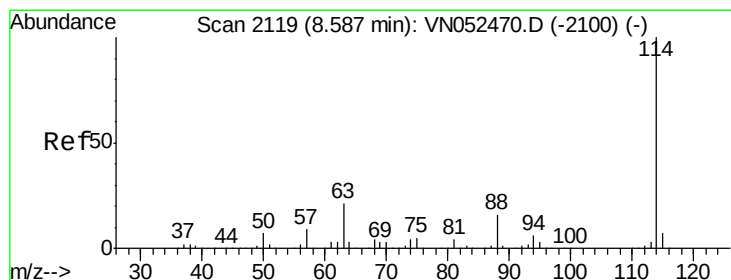
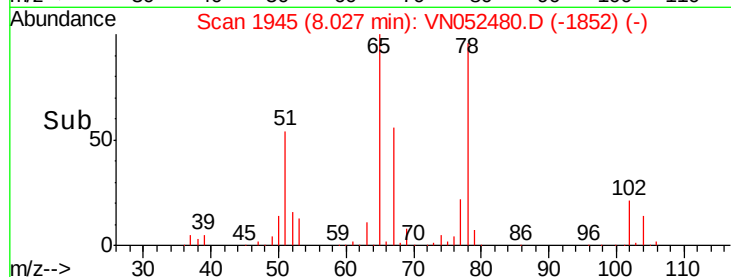
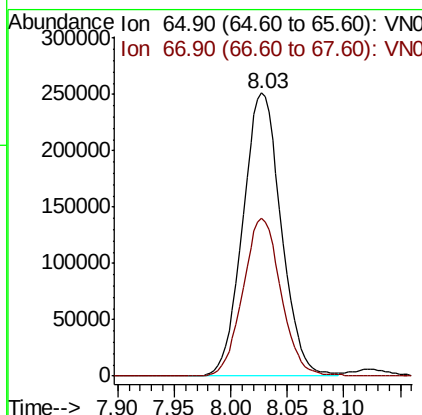
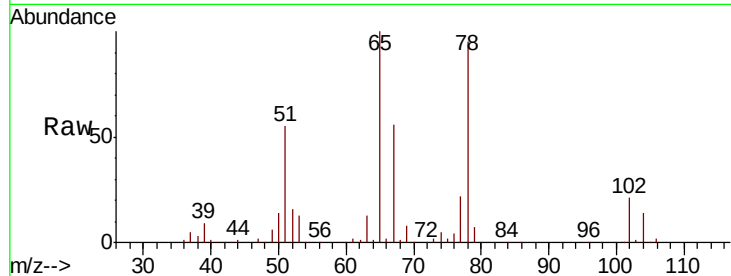
#33
 1,2-Dichloroethane-d4
 Concen: 19.418 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tgt Ion: 65 Resp: 594030
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.8

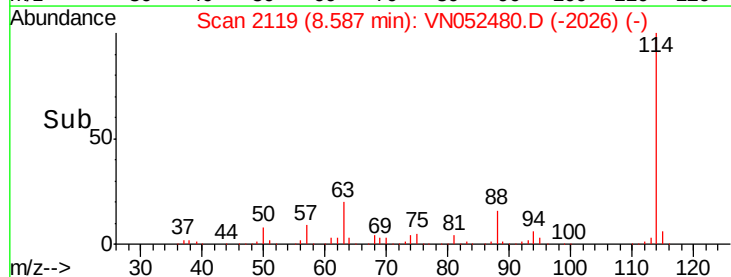
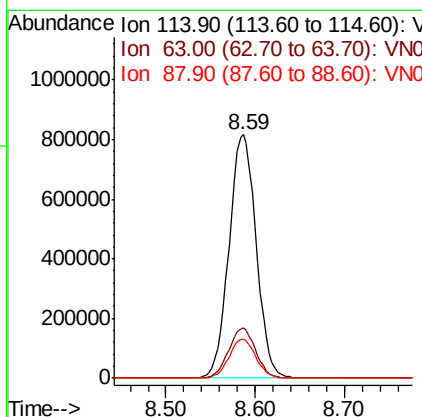
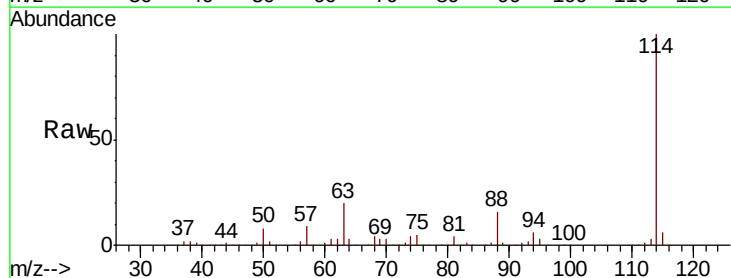
Manual Integrations
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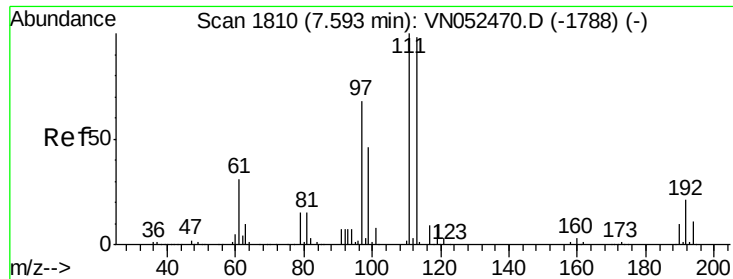
MMDadoda
 11/28/2018 9:33:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 114 Resp: 1715414
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.9 0.0 31.6





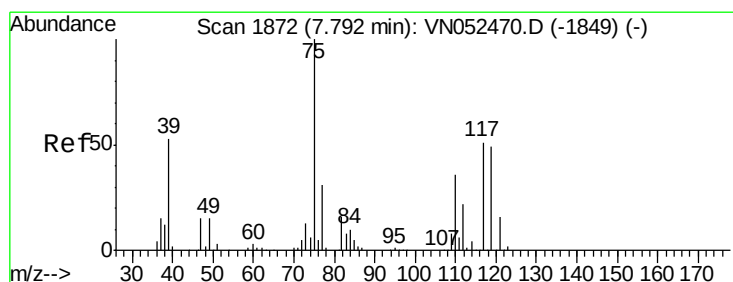
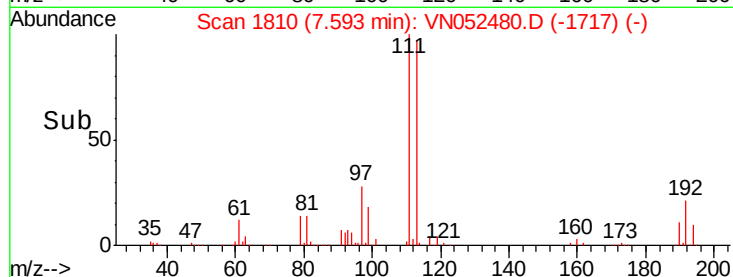
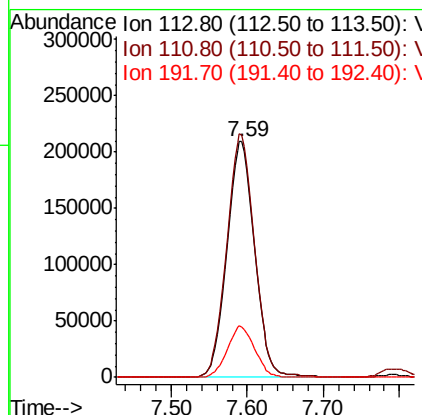
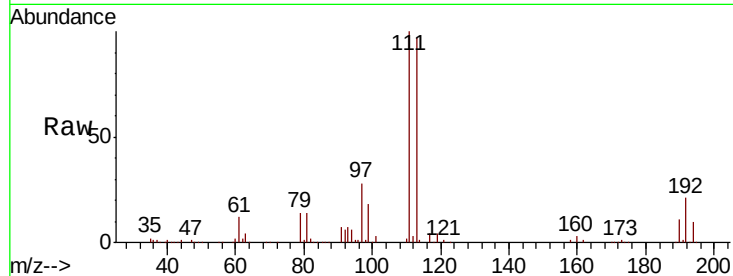
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	531943		
111	103.3	82.0	123.0	
192	21.5	17.0	25.6	

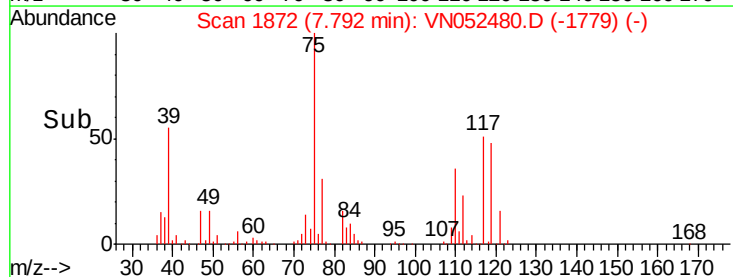
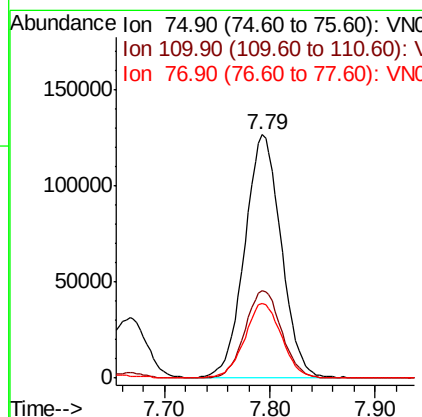
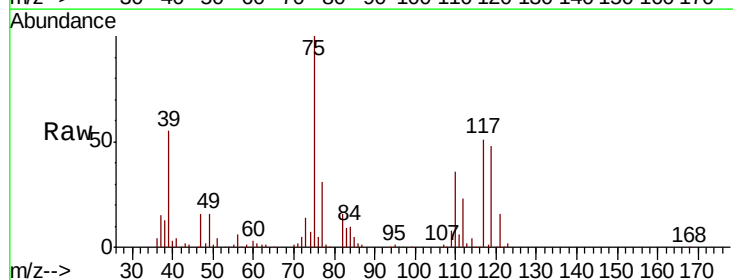
Manual Integrations
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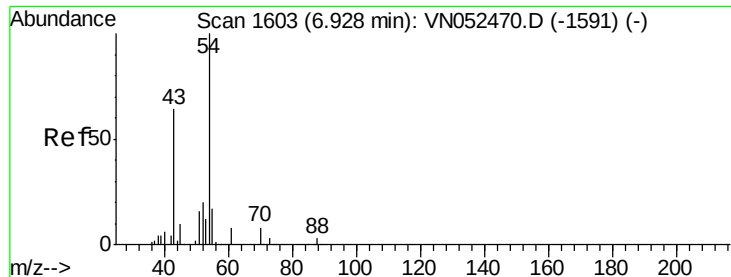
MMDadoda
11/28/2018 9:33:57 AM



#36
1,1-Dichloropropene
Concen: 18.745 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	303656		
110	36.2	17.5	52.6	
77	31.4	24.5	36.7	





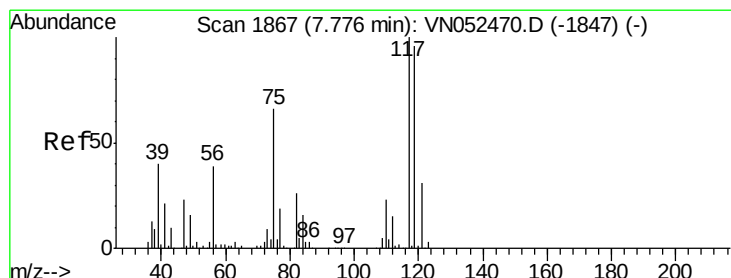
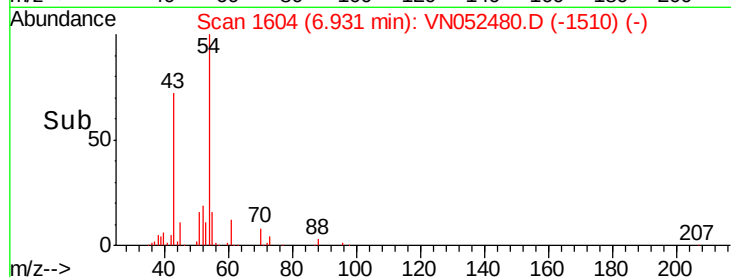
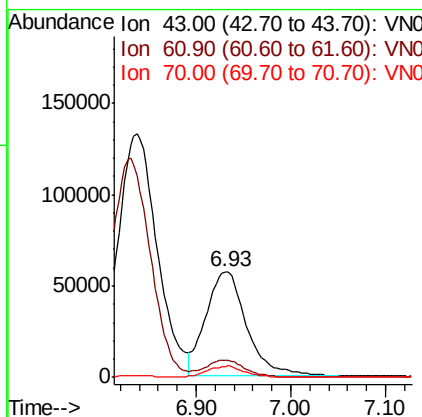
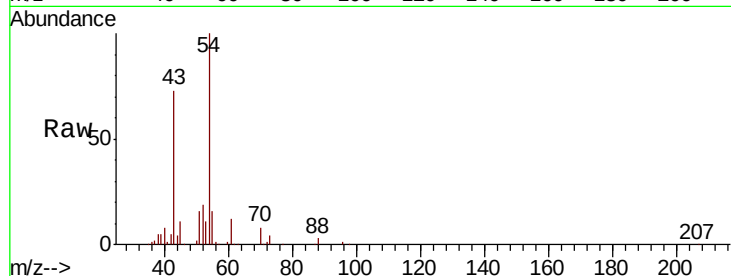
#37
Ethyl Acetate
Concen: 17.303 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.8
70	9.9	7.8	11.8

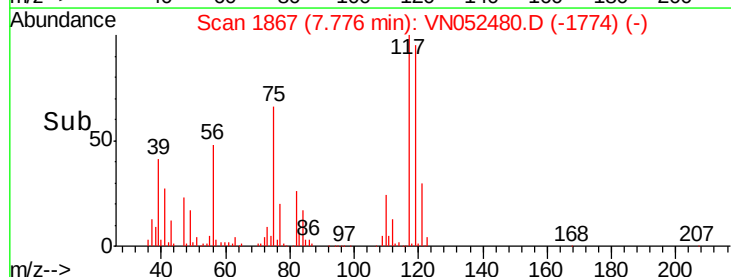
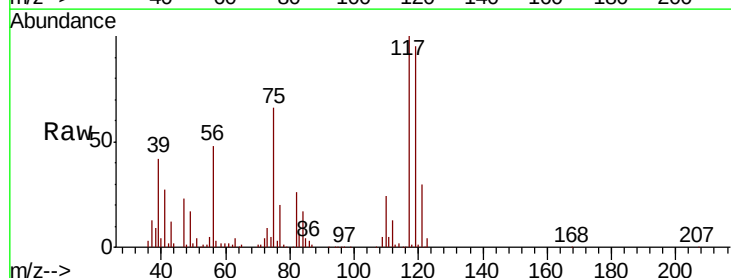
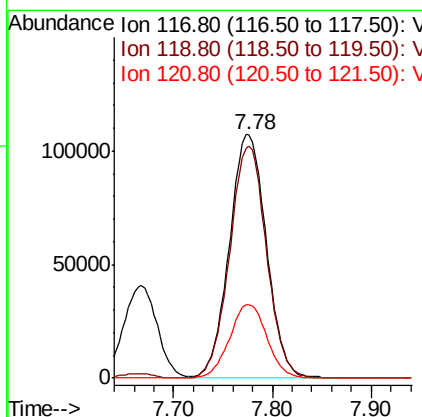
Manual Integrations
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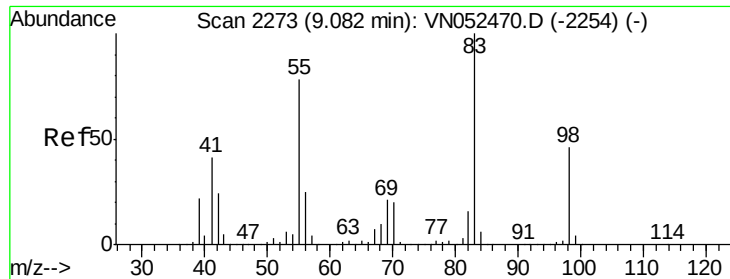
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#38
Carbon Tetrachloride
Concen: 19.010 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.8	115.2
121	30.5	24.9	37.3





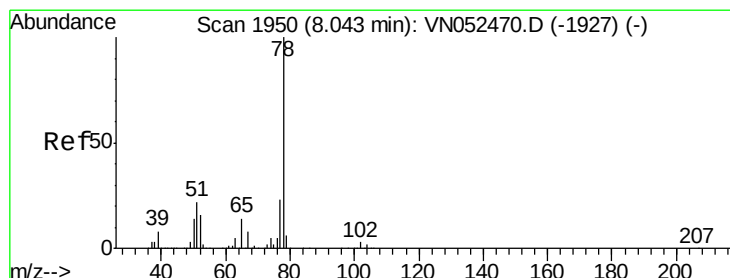
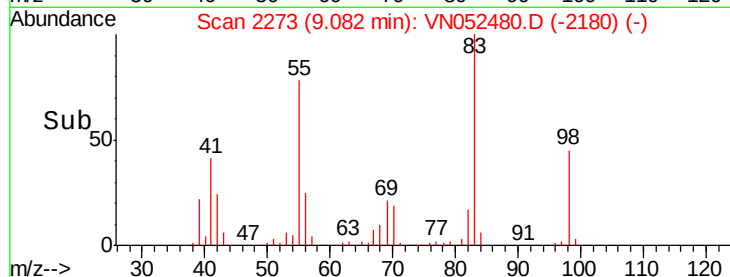
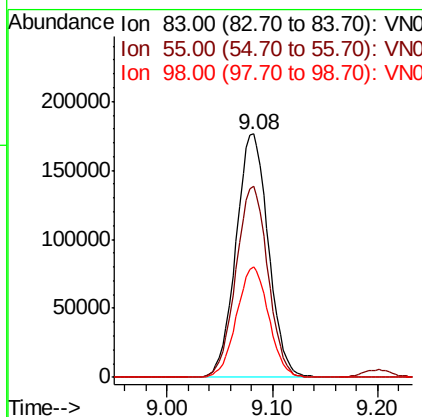
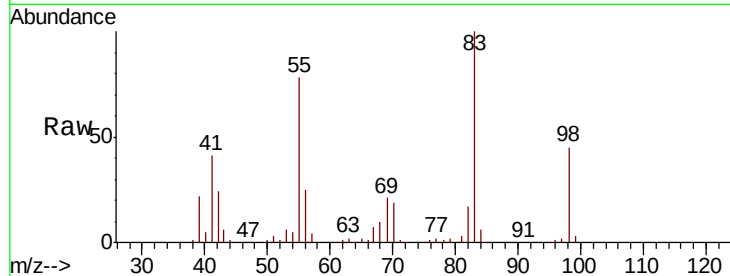
#39
Methylcyclohexane
Concen: 19.048 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	375038		
55	78.5	62.2	93.2	
98	45.3	36.4	54.6	

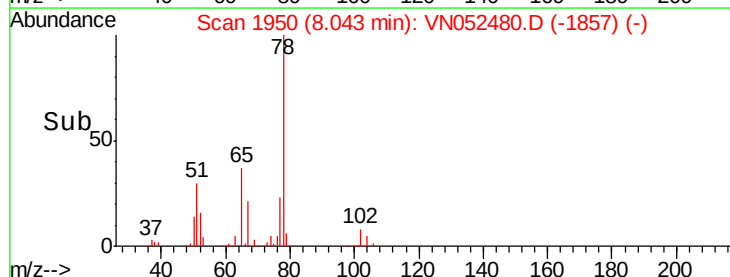
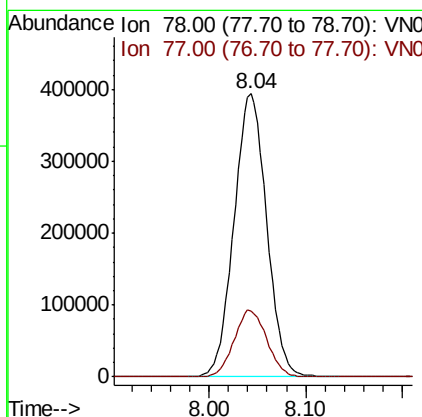
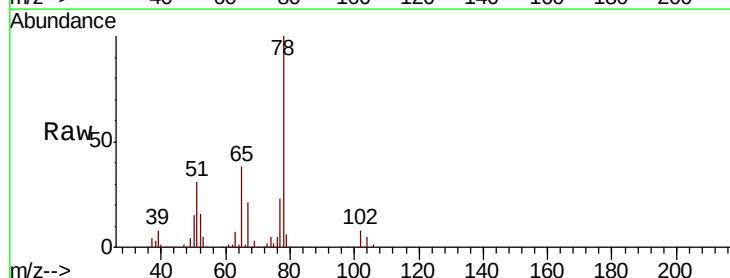
Manual Integrations
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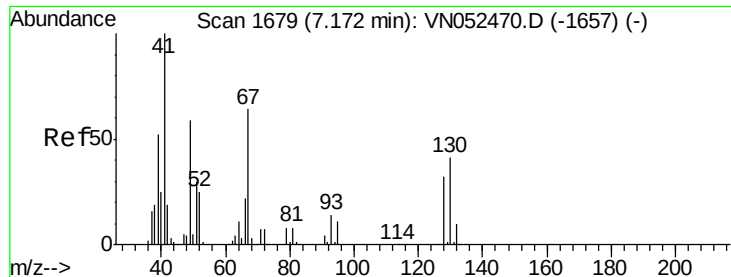
MMDadoda
11/28/2018 9:33:57 AM



#40
Benzene
Concen: 19.137 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	923854		
77	23.4	18.8	28.2	





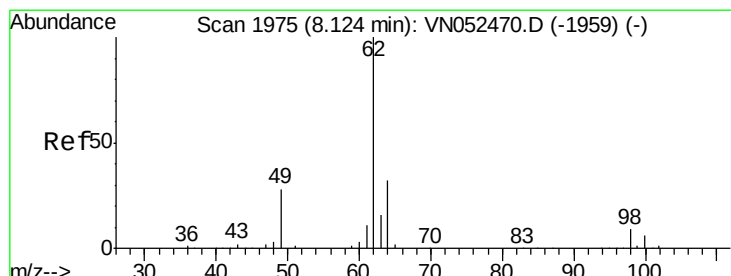
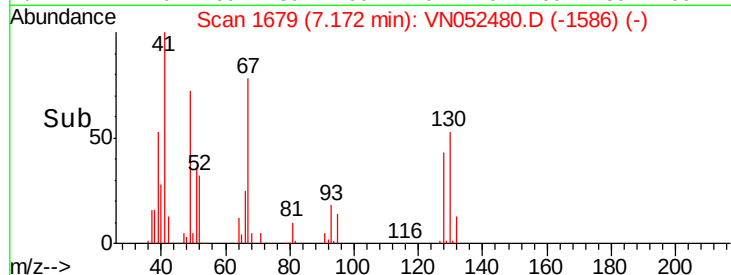
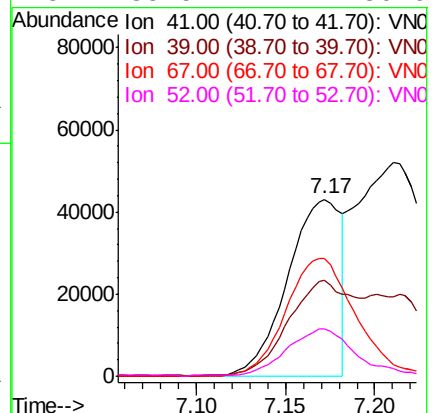
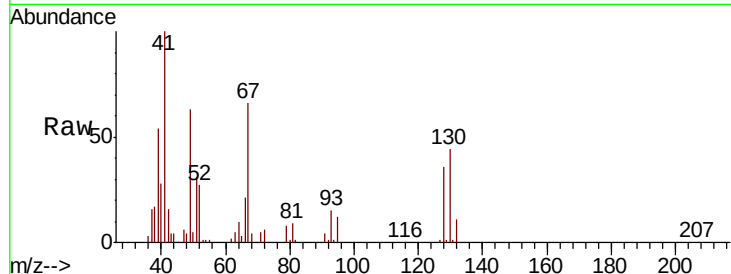
#41
Methacrylonitrile
Concen: 16.538 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.3	50.9	76.3
67	87.3	63.6	95.4
52	35.5	24.4	36.6

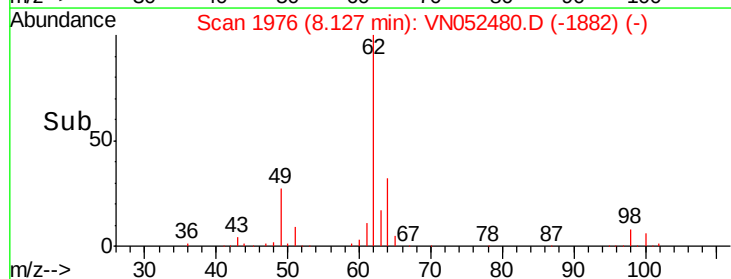
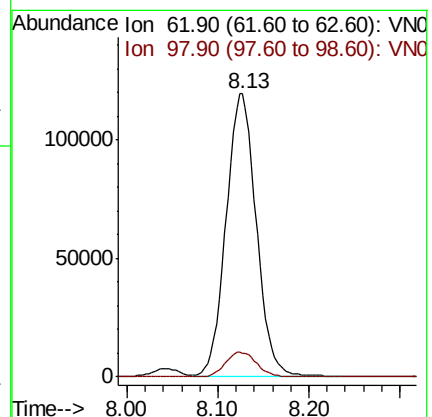
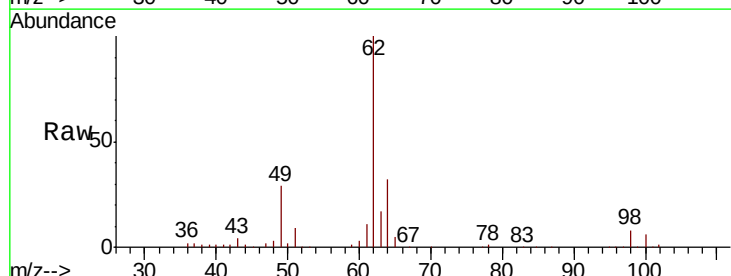
Manual Integrations
APPROVED

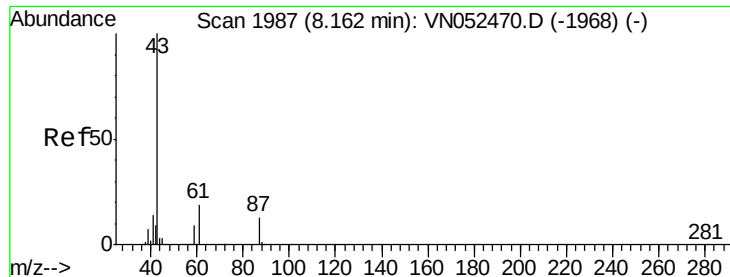
MMDadoda
11/28/2018 9:33:57 AM



#42
1,2-Dichloroethane
Concen: 18.810 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 17.889 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

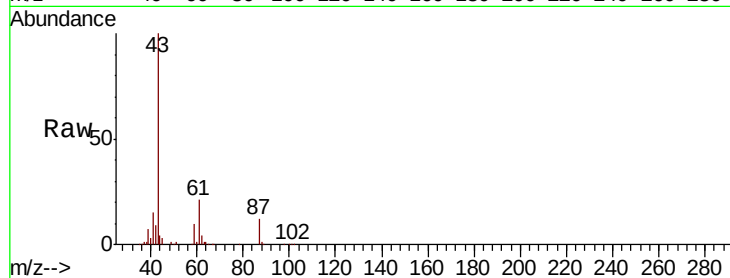
ClientSampleId :

VN1127WBS01

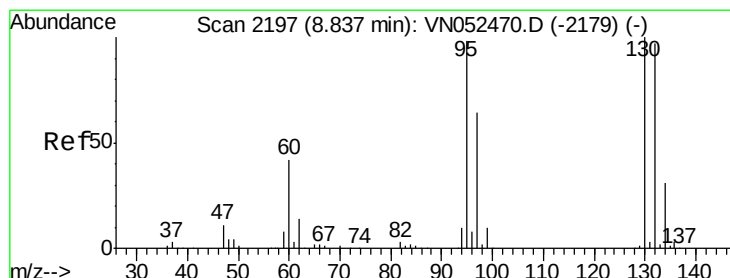
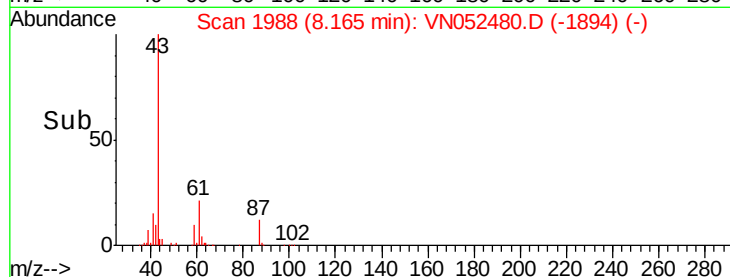
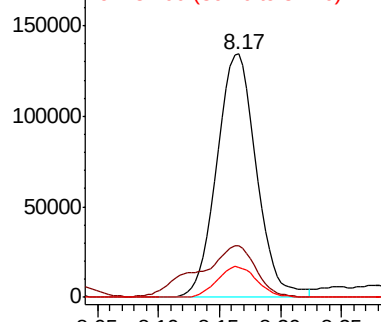
Tgt Ion:	43	Resp:	299298
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.1	36.1
87	12.8	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)



#44

Trichloroethene

Concen: 19.197 ug/l

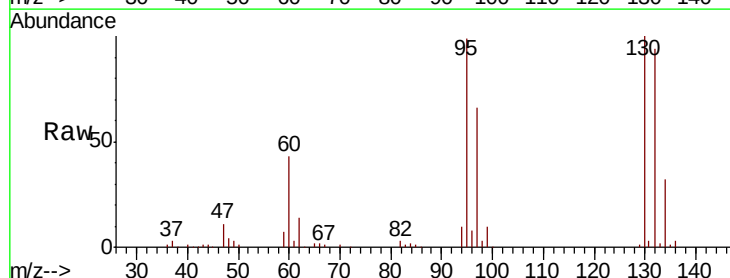
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

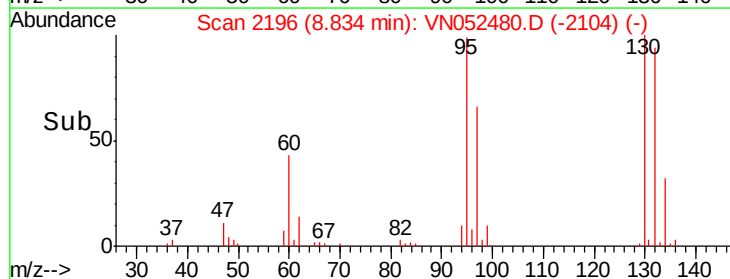
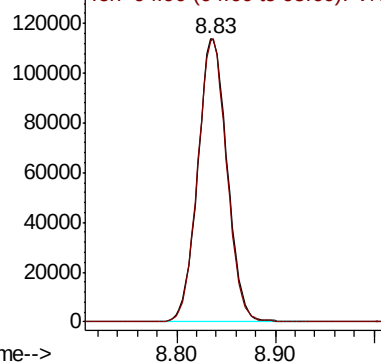
Lab File: VN052480.D

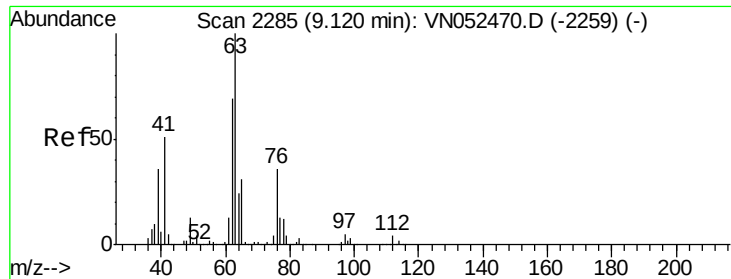
Acq: 27 Nov 2018 15:53

Tgt Ion:	130	Resp:	237386
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)





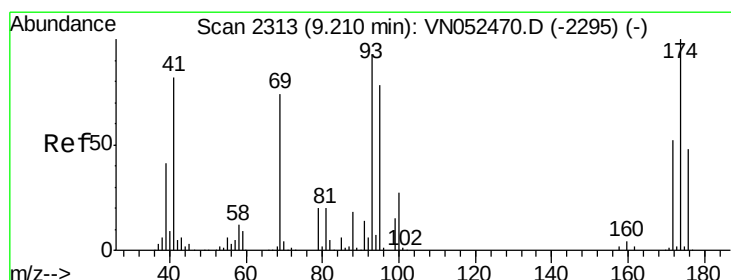
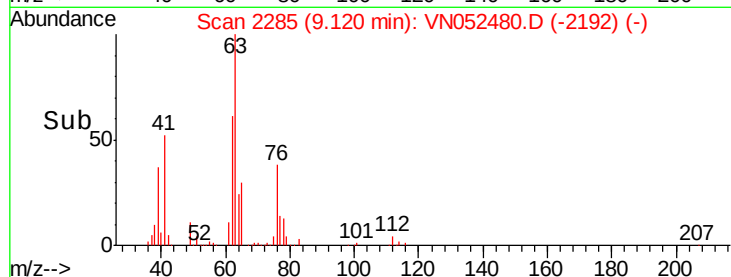
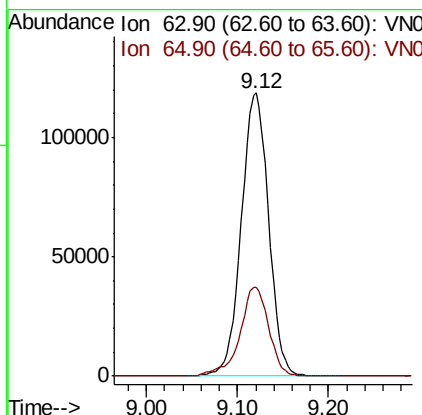
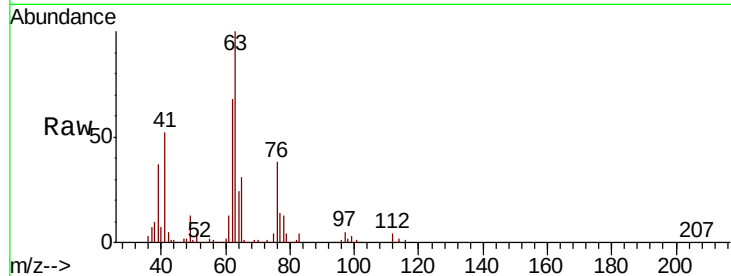
#45
 1,2-Dichloropropane
 Concen: 19.278 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tgt Ion: 63 Resp: 247435
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

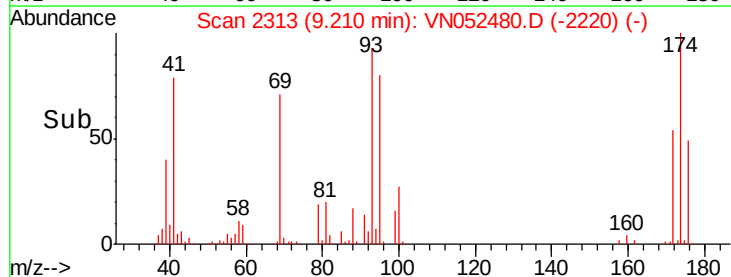
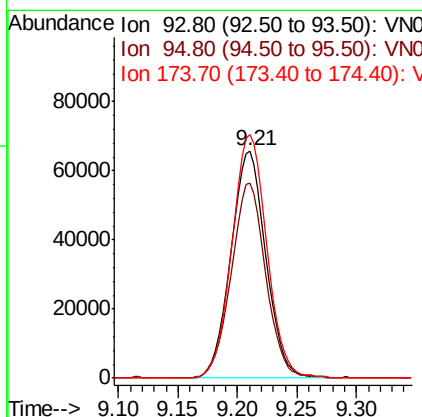
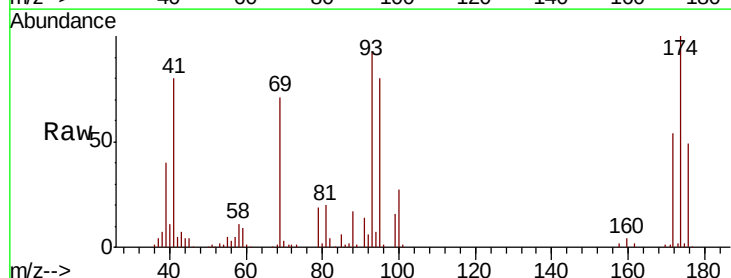
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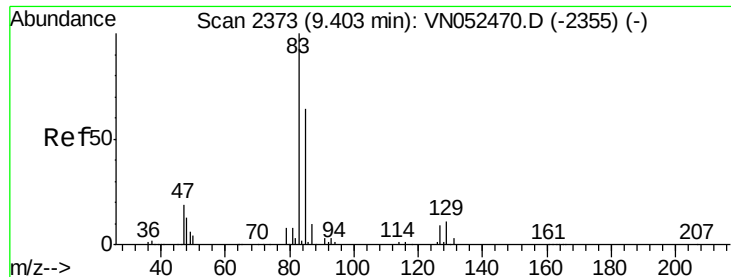
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 11/28/2018 9:33:57 AM



#46
 Dibromomethane
 Concen: 18.862 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 93 Resp: 134020
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.1 100.7
 174 106.9 85.8 128.8





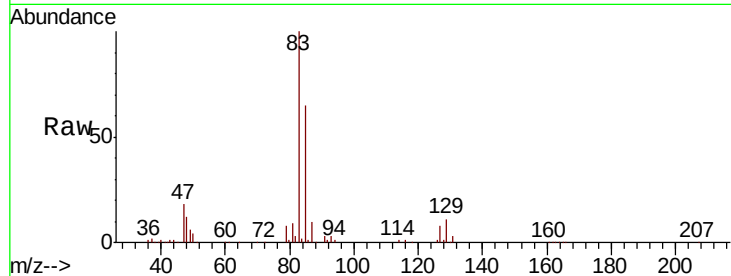
#47
Bromodichloromethane
Concen: 18.835 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

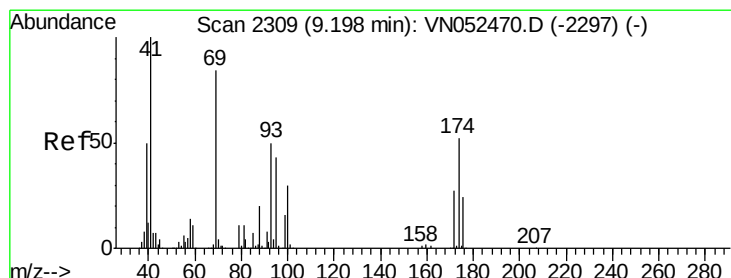
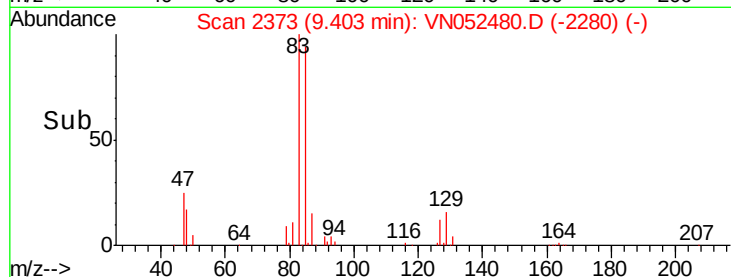
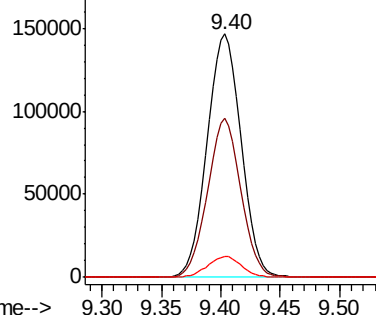
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.3	76.9
127	8.5	6.9	10.3

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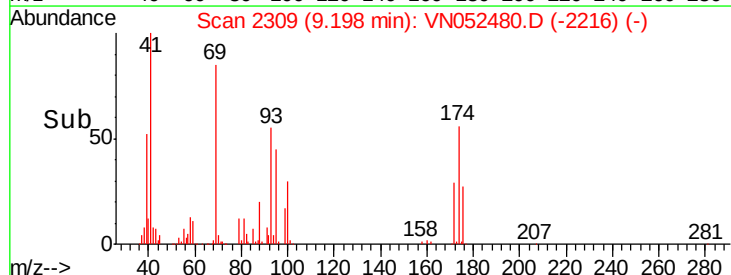
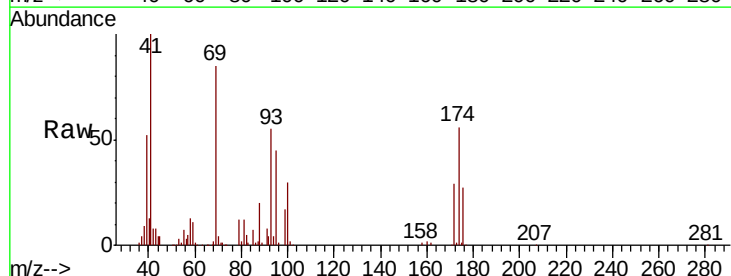
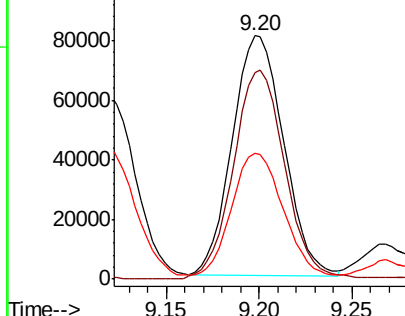
Abundance Ion 82.90 (82.60 to 83.60): VN052480.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN052480.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN052480.D (-2280) (-)

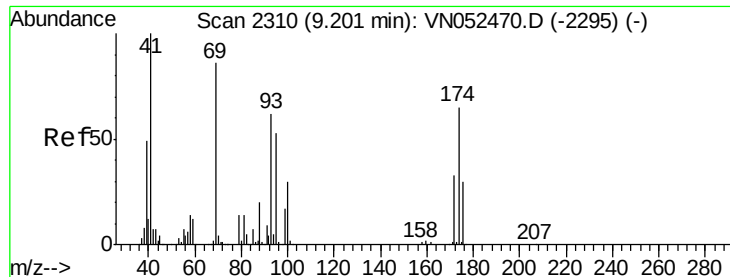


#48
Methyl methacrylate
Concen: 17.695 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.0	70.0	105.0
39	53.8	42.6	64.0

Abundance Ion 41.00 (40.70 to 41.70): VN052480.D (-2216) (-)
Ion 69.00 (68.70 to 69.70): VN052480.D (-2216) (-)
Ion 39.00 (38.70 to 39.70): VN052480.D (-2216) (-)





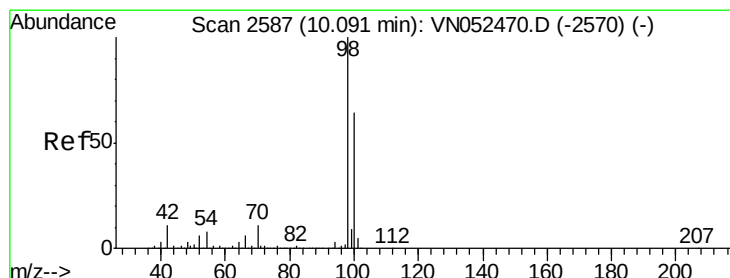
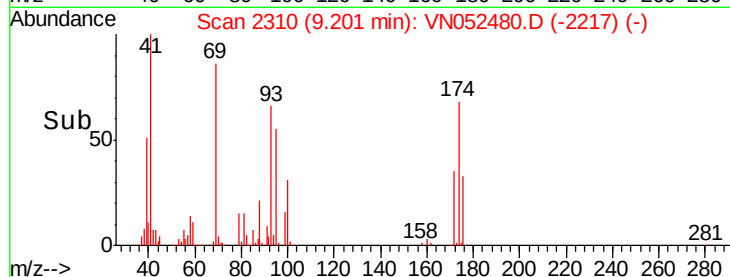
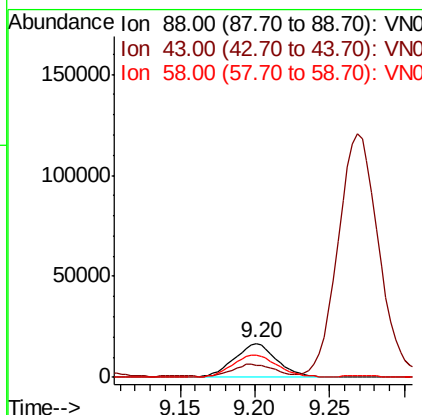
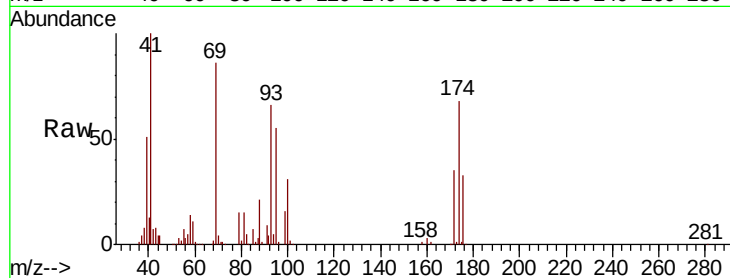
#49
1,4-Dioxane
Concen: 367.848 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.4	39.6
58	70.0	55.4	83.0

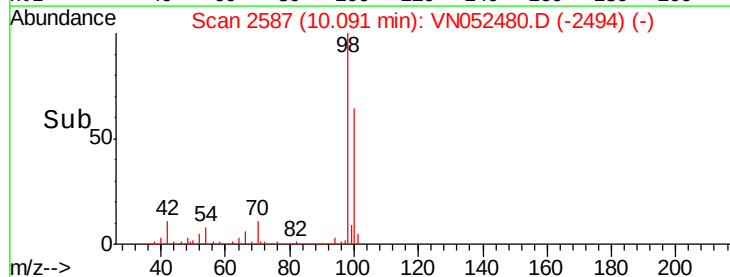
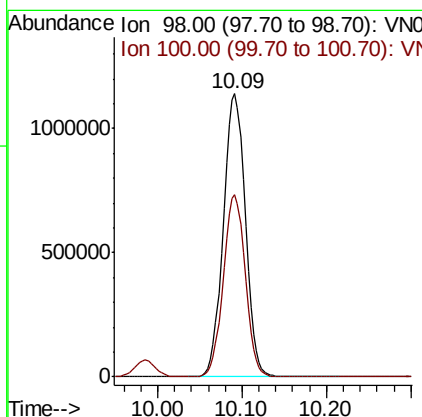
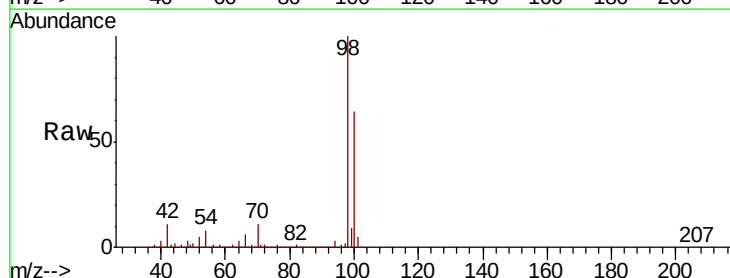
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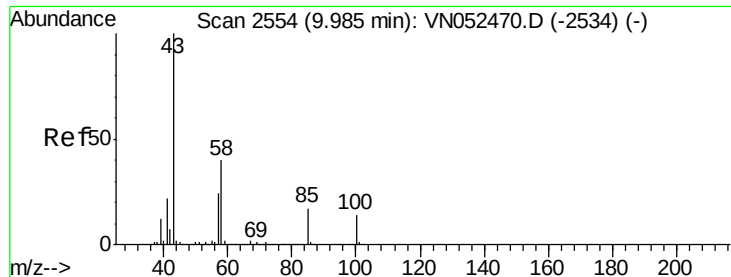
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#50
Toluene-d8
Concen: 367.848 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





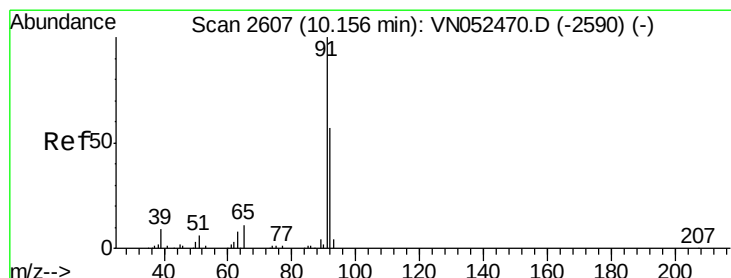
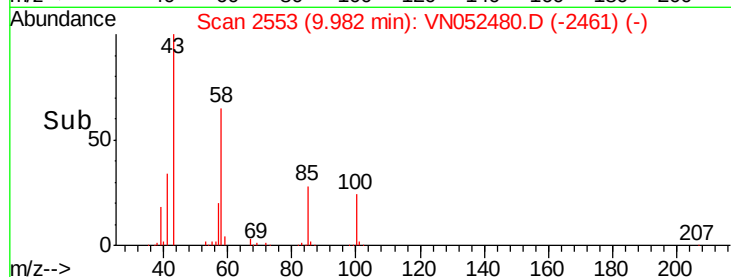
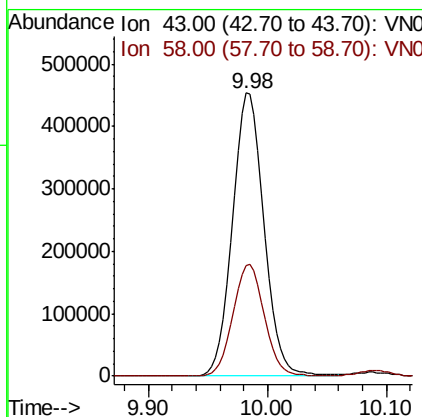
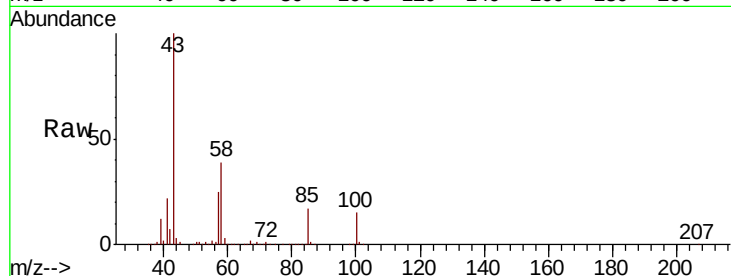
#51
 4-Methyl-2-Pentanone
 Concen: 88.330 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tgt Ion: 43 Resp: 829148
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.5 47.3

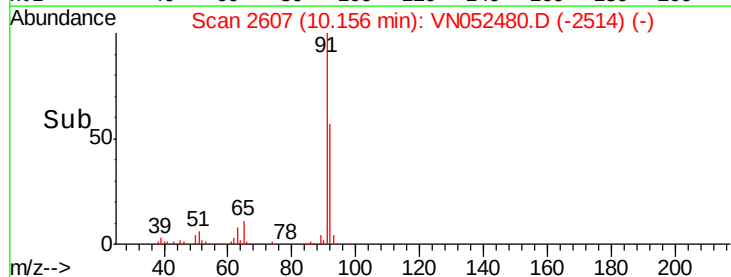
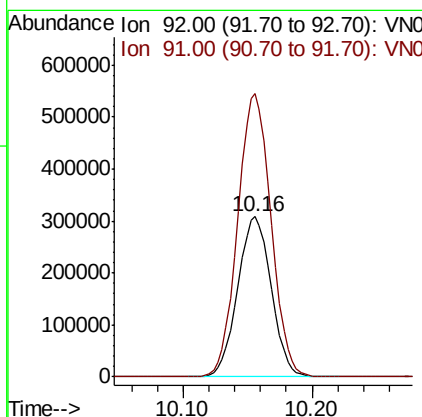
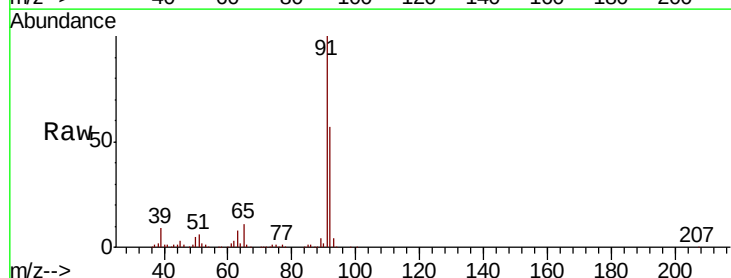
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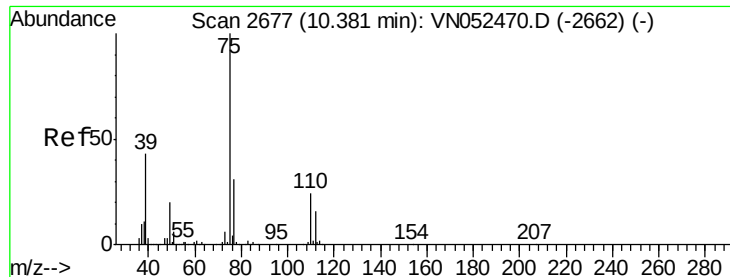
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#52
 Toluene
 Concen: 19.388 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 92 Resp: 556096
 Ion Ratio Lower Upper
 92 100
 91 176.2 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 18.614 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 75 Resp: 276624

Ion Ratio Lower Upper

75 100

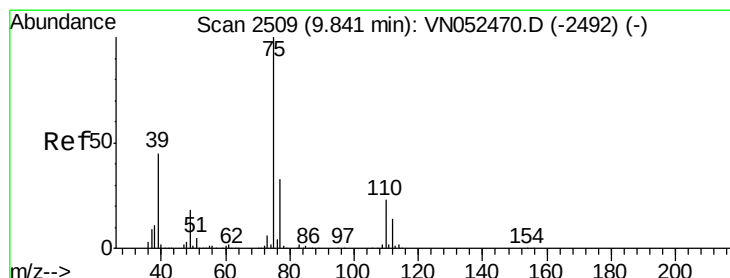
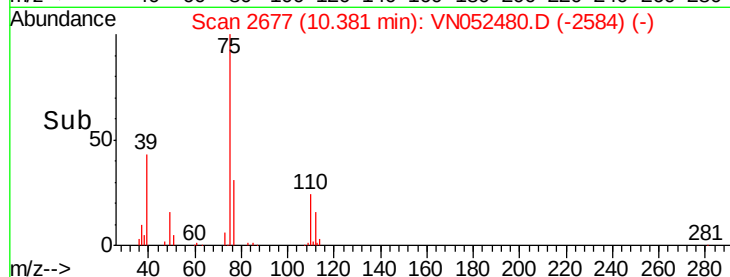
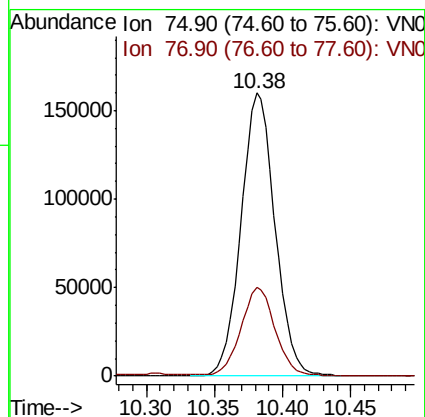
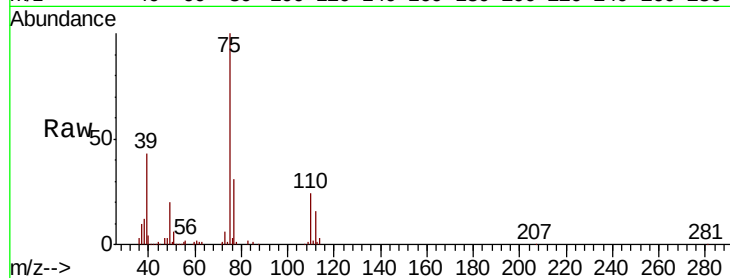
77 31.0 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 19.239 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

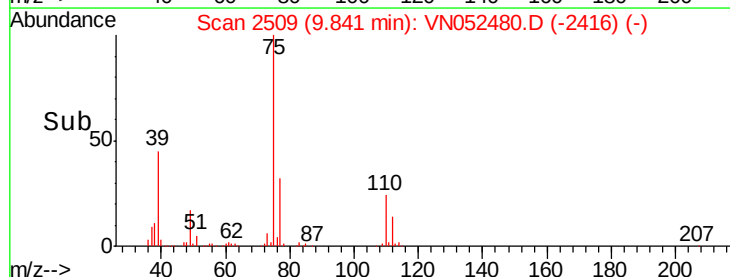
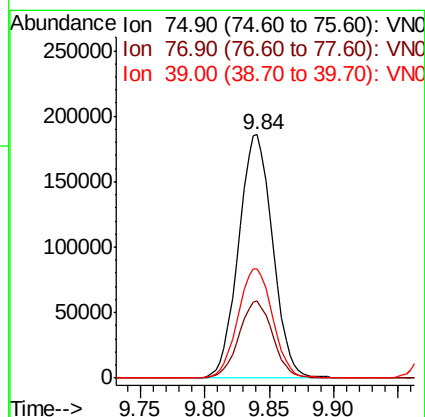
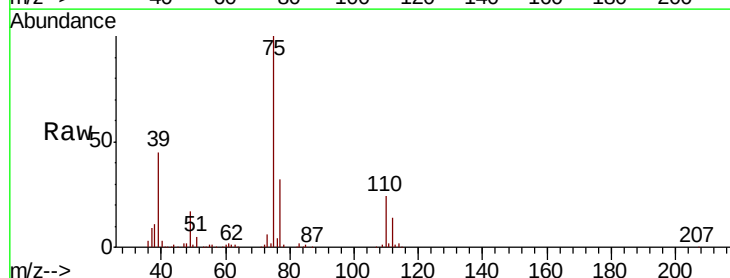
Tgt Ion: 75 Resp: 342638

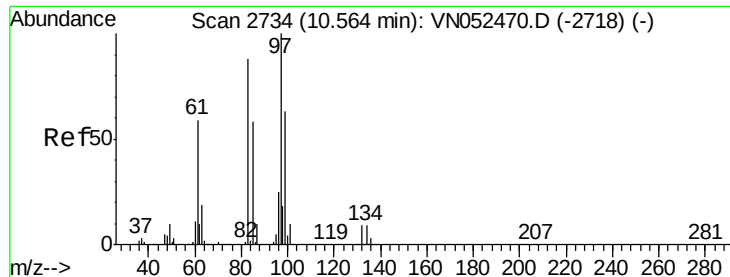
Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

39 44.6 36.0 54.0





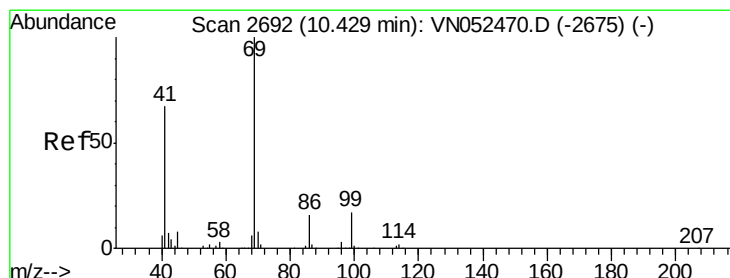
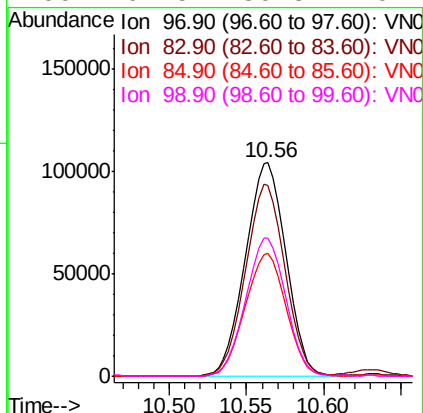
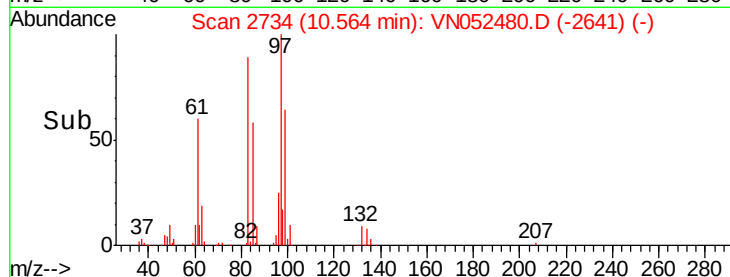
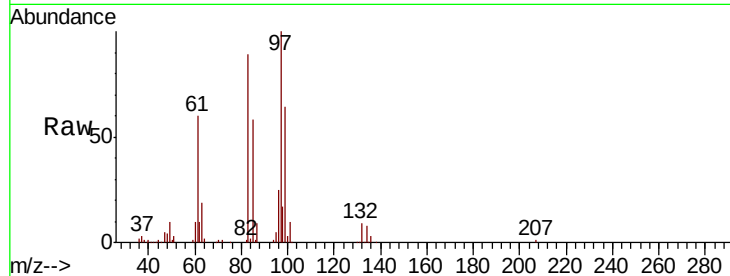
#55
 1,1,2-Trichloroethane
 Concen: 18.941 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.7	106.1
85	57.6	46.1	69.1
99	64.5	50.8	76.2

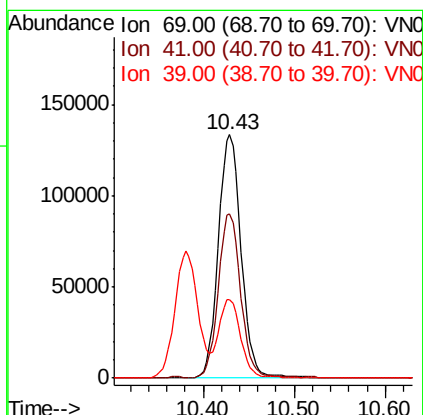
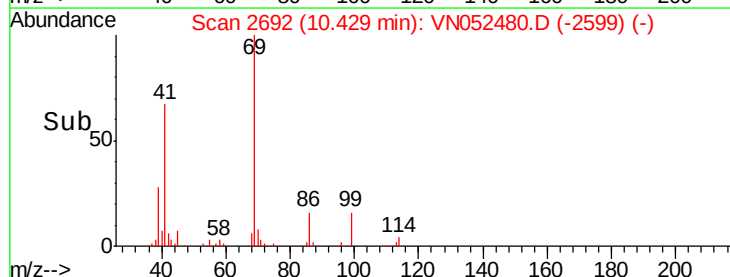
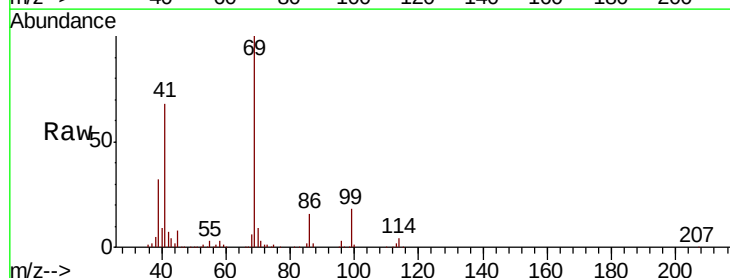
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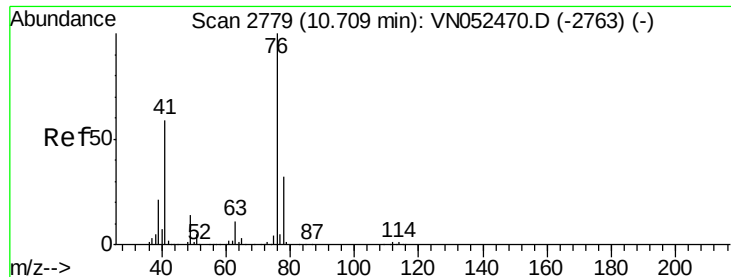
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#56
 Ethyl methacrylate
 Concen: 18.400 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.6	79.0
39	31.1	25.9	38.9





#57

1,3-Dichloropropane

Concen: 18.718 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 76 Resp: 333467

Ion Ratio Lower Upper

76 100

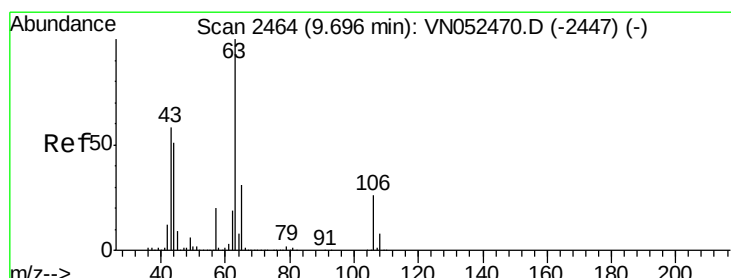
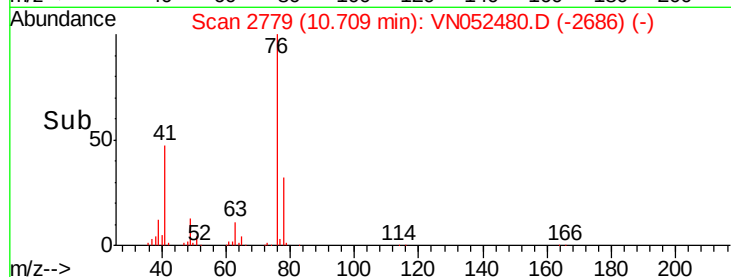
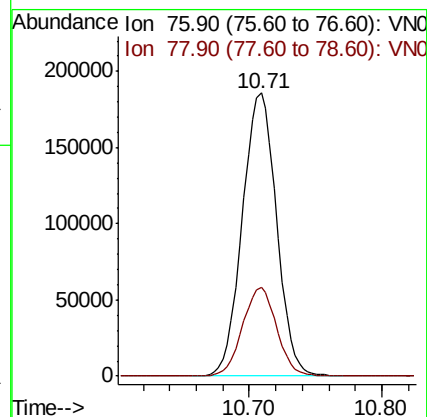
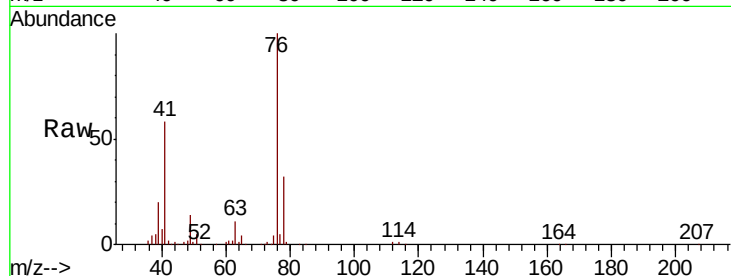
78 31.2 25.6 38.4

Manual Integrations

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11/28/2018 9:33:57 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.806 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052480.D

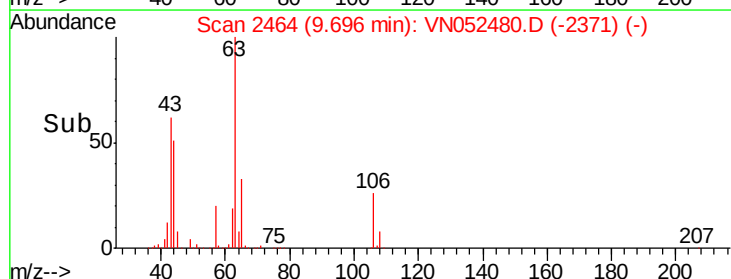
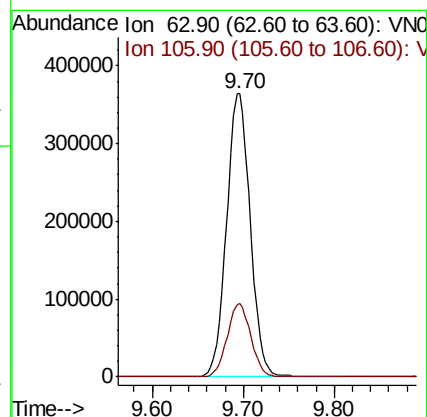
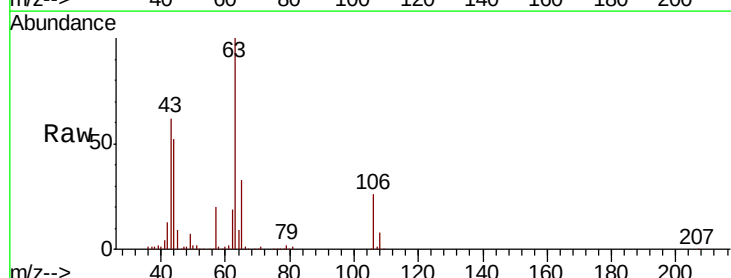
Acq: 27 Nov 2018 15:53

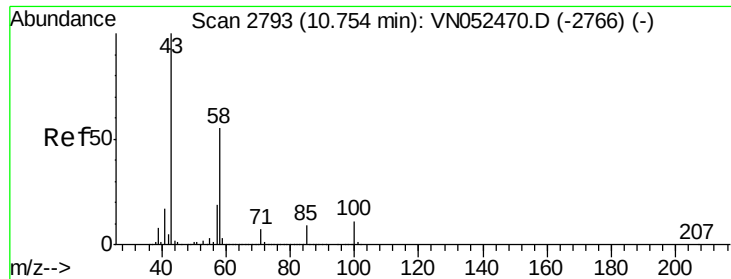
Tgt Ion: 63 Resp: 657485

Ion Ratio Lower Upper

63 100

106 25.9 20.6 30.8





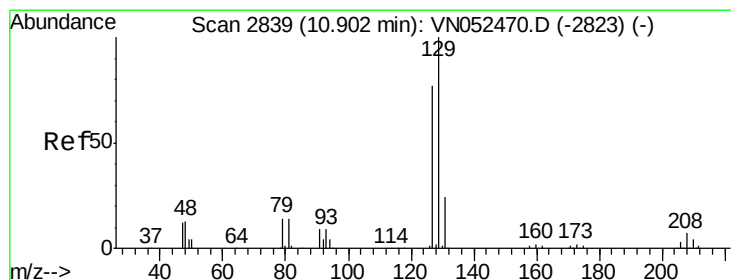
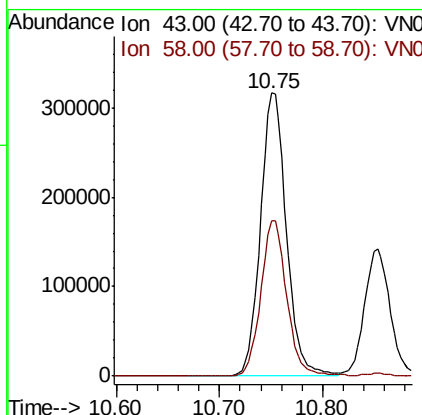
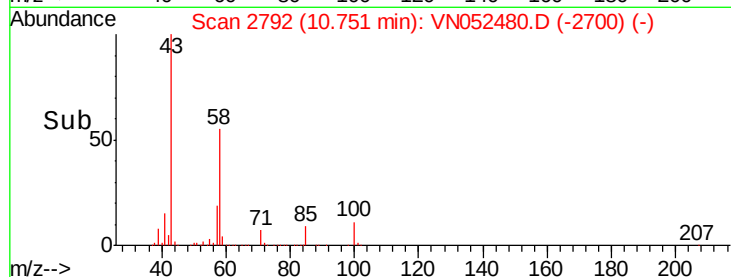
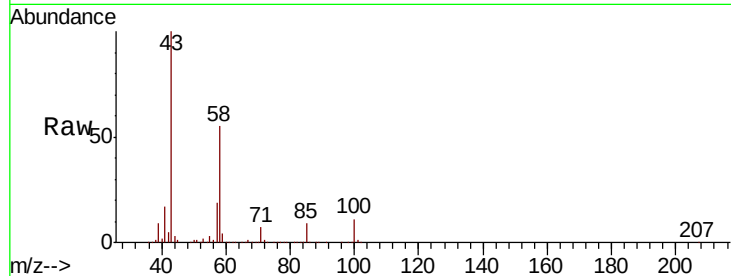
#59
2-Hexanone
Concen: 87.098 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WS01

Tgt Ion: 43 Resp: 548724
Ion Ratio Lower Upper
43 100
58 55.0 27.4 82.0

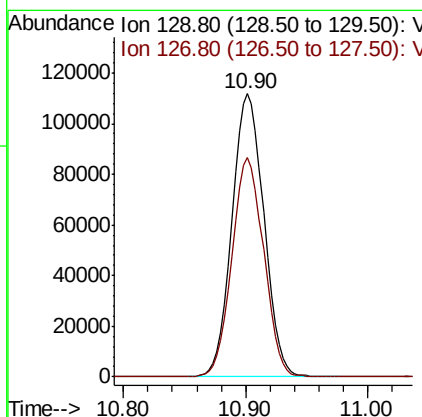
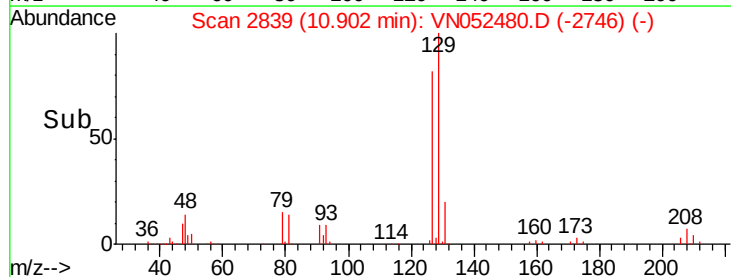
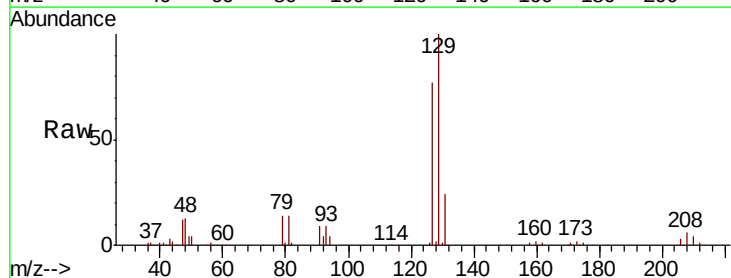
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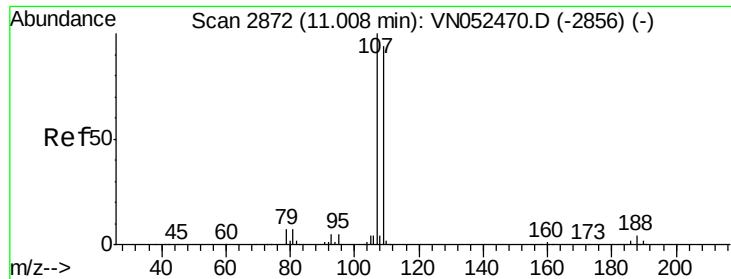
MMDadoda
11/28/2018 9:33:57 AM



#60
Dibromochloromethane
Concen: 18.521 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 129 Resp: 202955
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.410 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 107 Resp: 184483

Ion Ratio Lower Upper

107 100

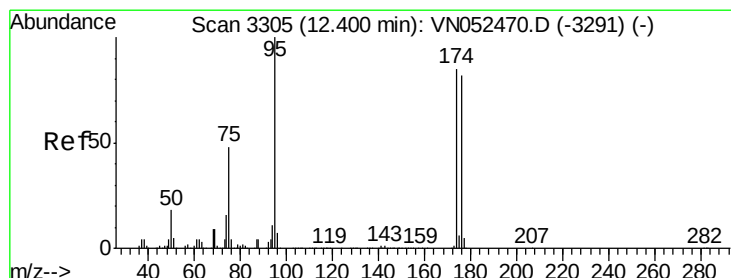
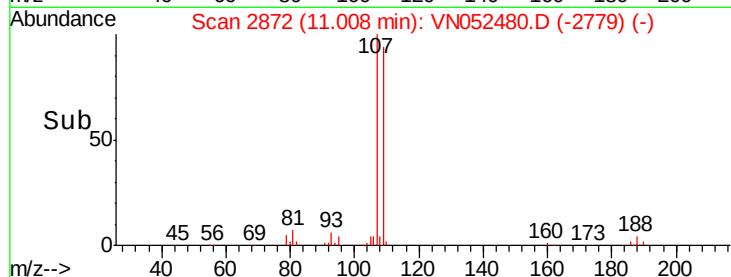
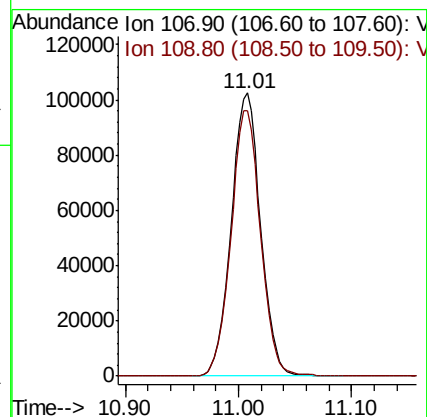
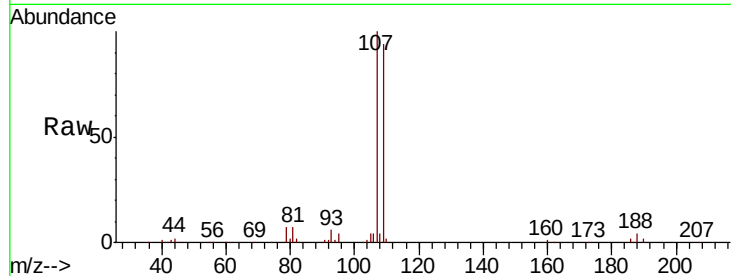
109 94.5 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 18.410 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

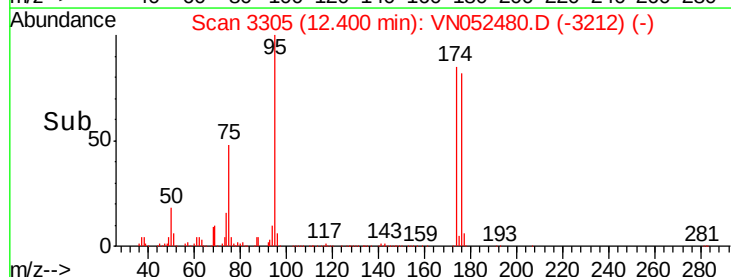
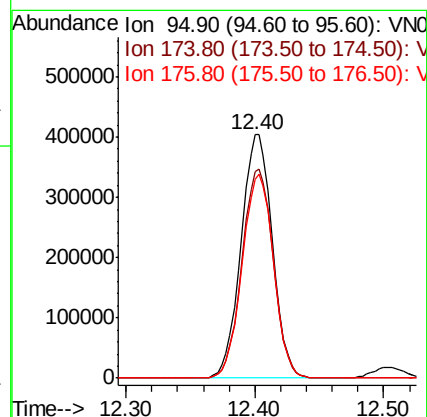
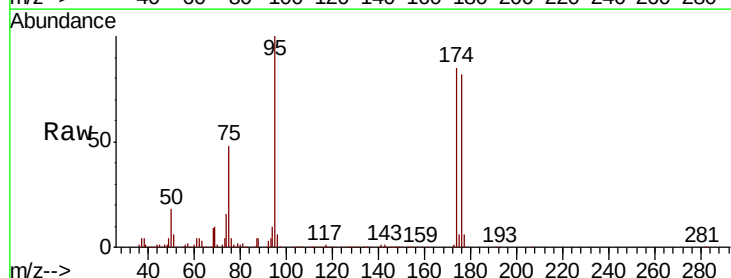
Tgt Ion: 95 Resp: 681116

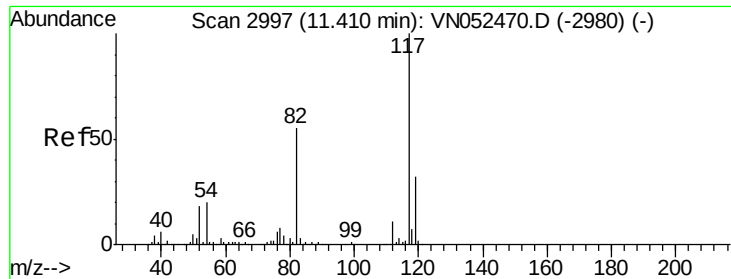
Ion Ratio Lower Upper

95 100

174 86.1 0.0 173.0

176 84.0 0.0 166.2





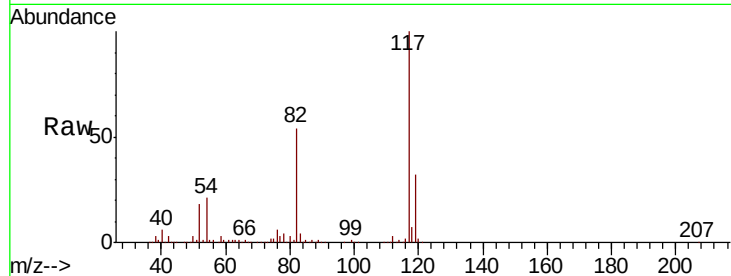
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

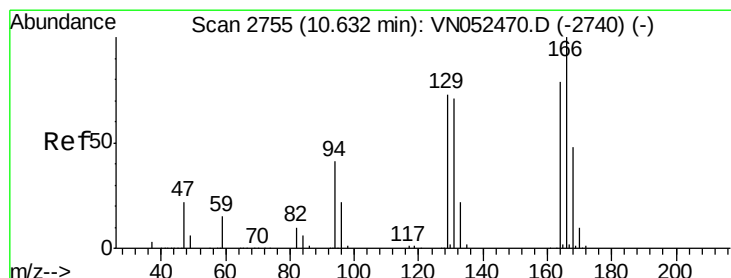
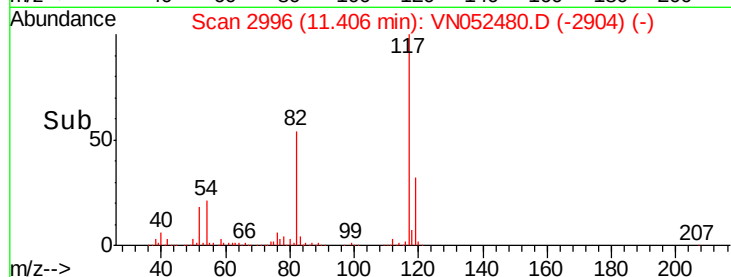
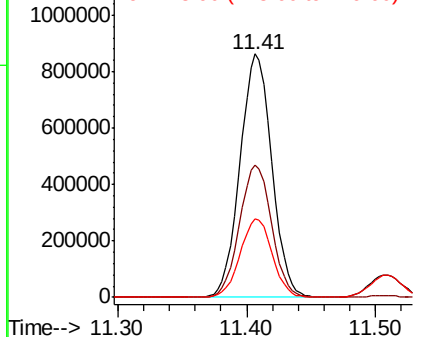
Tgt Ion:117 Resp: 1480927
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 32.1 25.4 38.2

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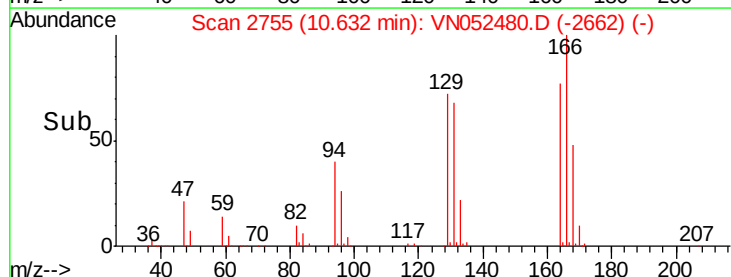
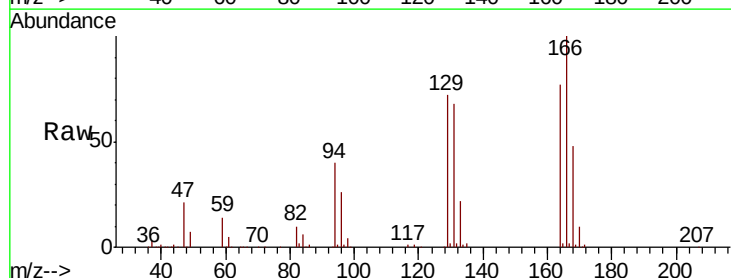
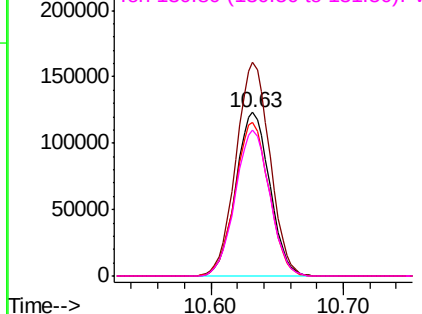
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

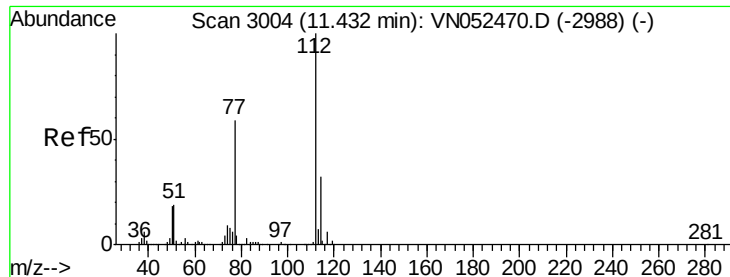


#64
Tetrachloroethene
Concen: 19.124 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion:164 Resp: 219580
Ion Ratio Lower Upper
164 100
166 130.6 101.0 151.4
129 94.2 73.8 110.6
131 89.0 71.2 106.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.678 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion:112 Resp: 600900

Ion Ratio Lower Upper

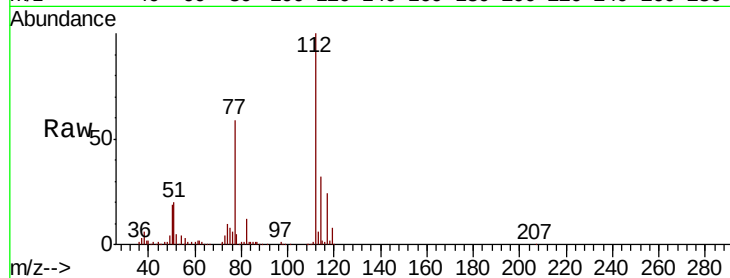
112 100

114 32.2 25.8 38.6

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

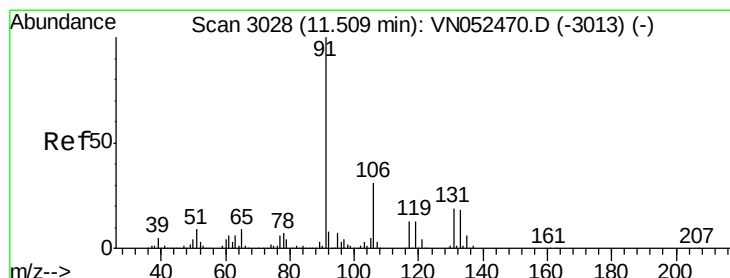
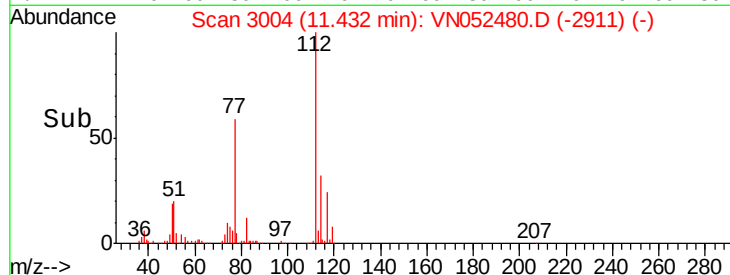
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.599 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

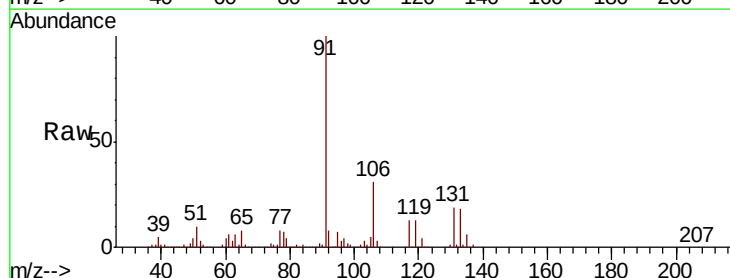
Tgt Ion:131 Resp: 208096

Ion Ratio Lower Upper

131 100

133 94.3 47.6 142.8

119 66.2 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

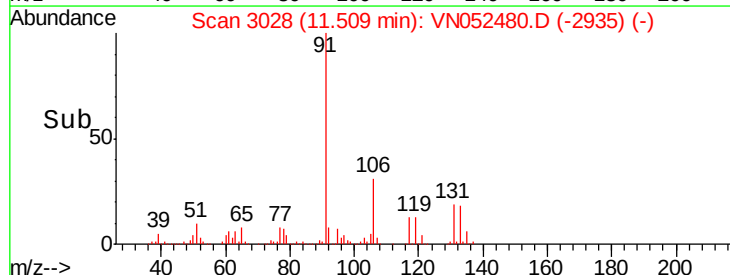
300000

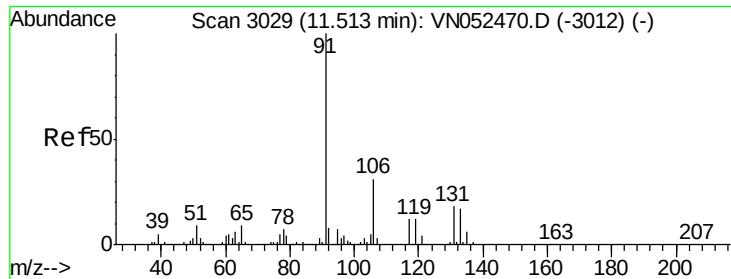
200000

100000

0

Time-->





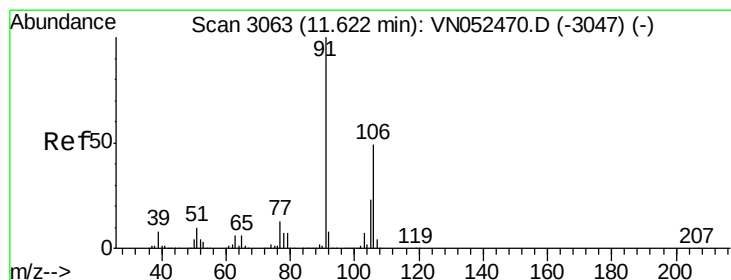
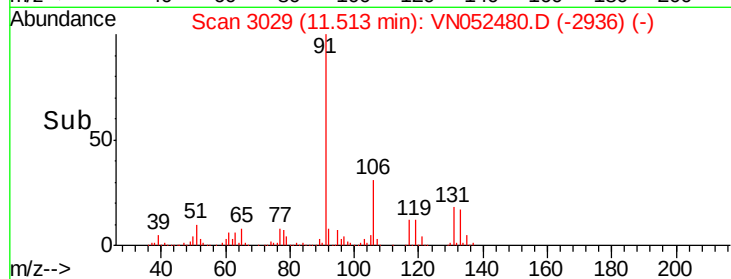
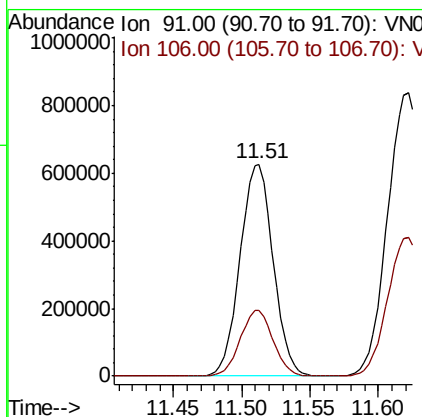
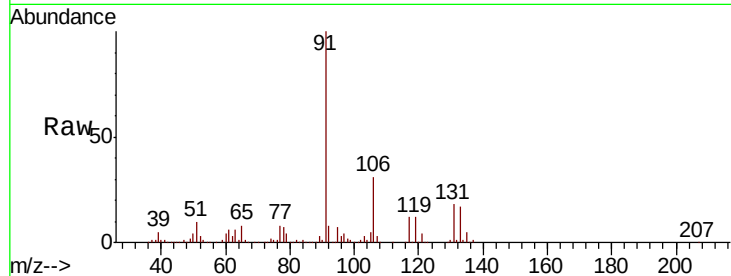
#67
Ethyl Benzene
Concen: 19.742 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion: 91 Resp: 1055691
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3

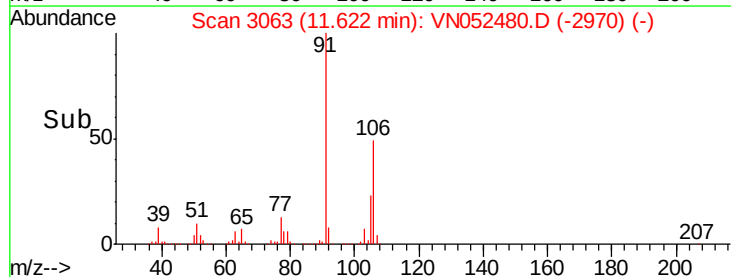
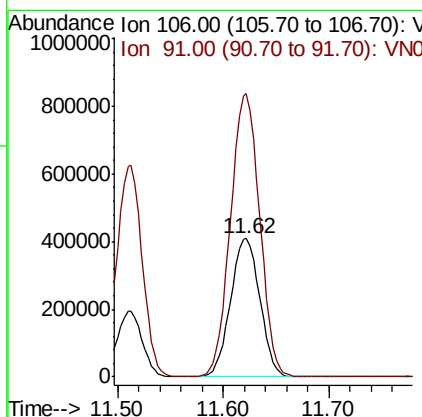
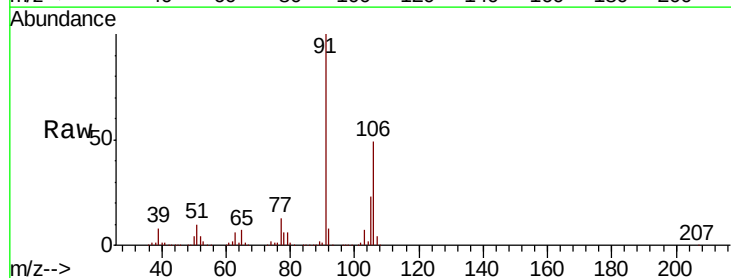
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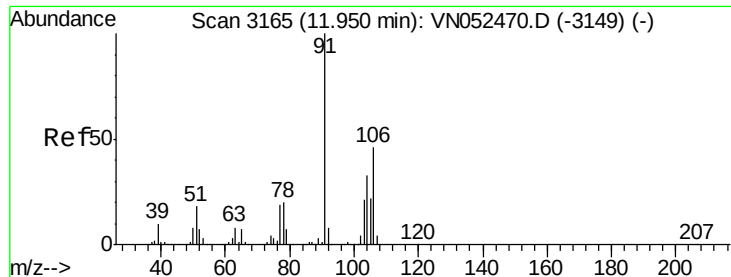
MMDadoda
11/28/2018 9:33:57 AM



#68
m/p-Xylenes
Concen: 39.589 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 106 Resp: 788122
Ion Ratio Lower Upper
106 100
91 203.8 163.2 244.8





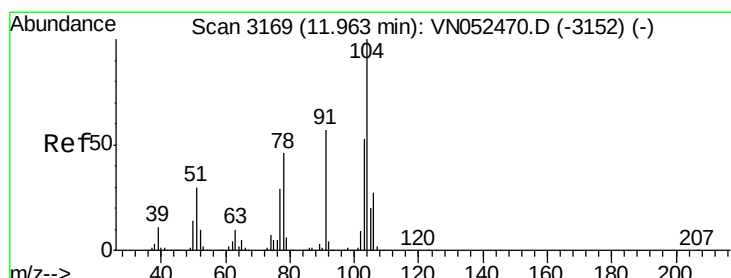
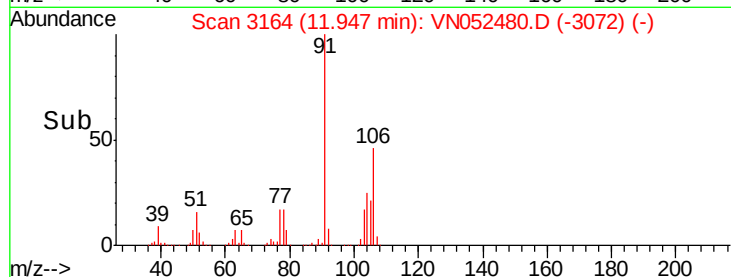
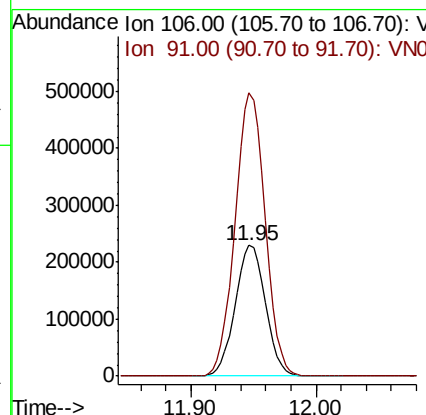
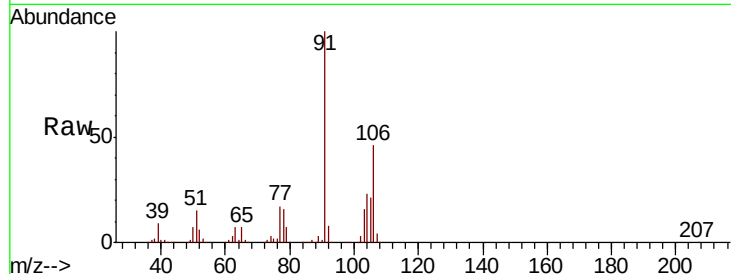
#69
o-Xylene
Concen: 19.880 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion:106 Resp: 384307
Ion Ratio Lower Upper
106 100
91 215.5 107.7 323.1

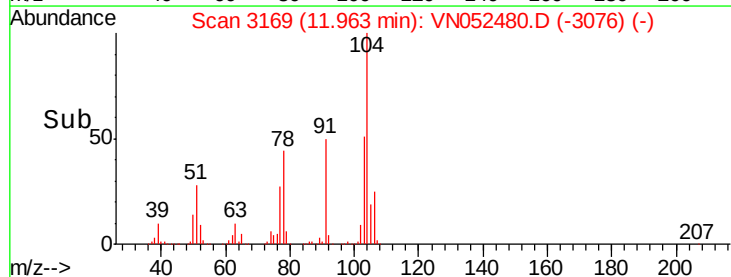
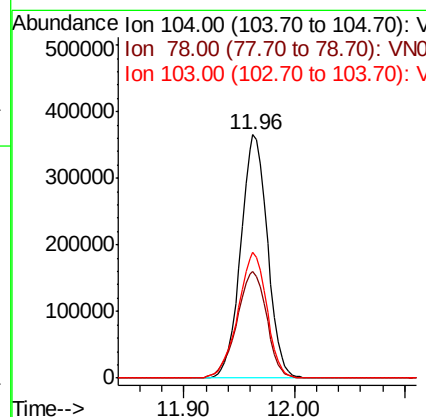
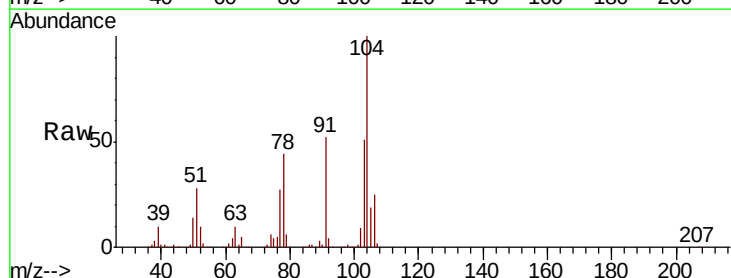
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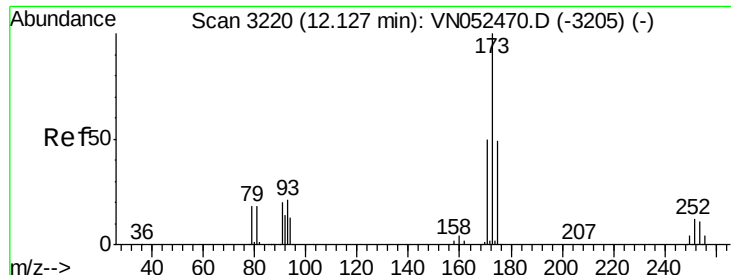
MMDadoda
11/28/2018 9:33:57 AM



#70
Styrene
Concen: 19.899 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion:104 Resp: 612709
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.2
103 55.7 44.9 67.3





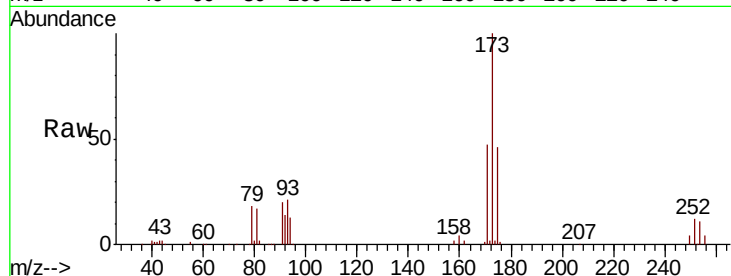
#71
Bromoform
Concen: 18.441 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.4	73.2
254	0.0	0.1	0.1#

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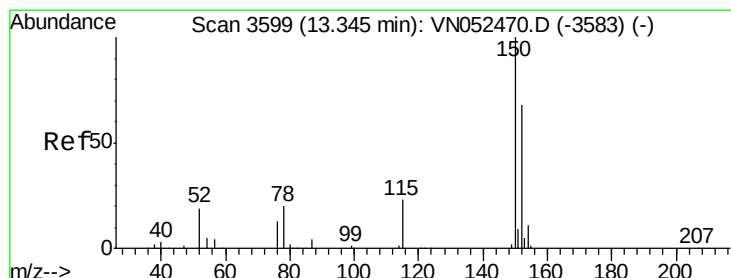
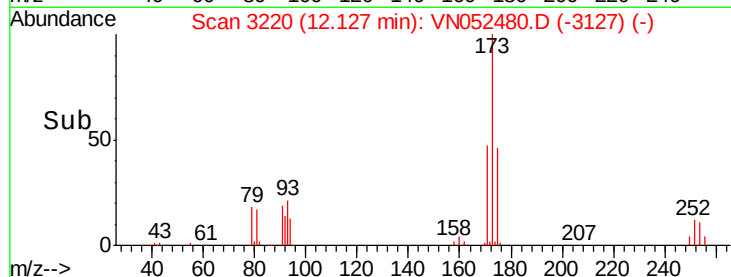
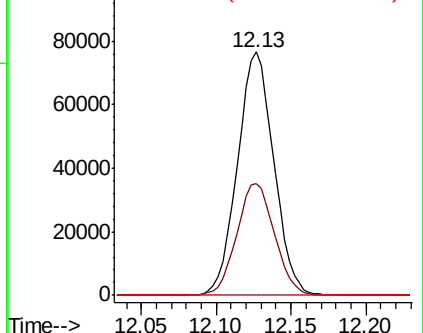


Abundance

Ion 172.70 (172.40 to 173.40): V

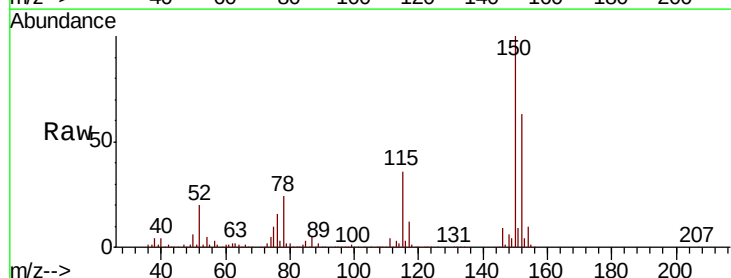
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.4	85.2
150	163.7	0.0	346.0

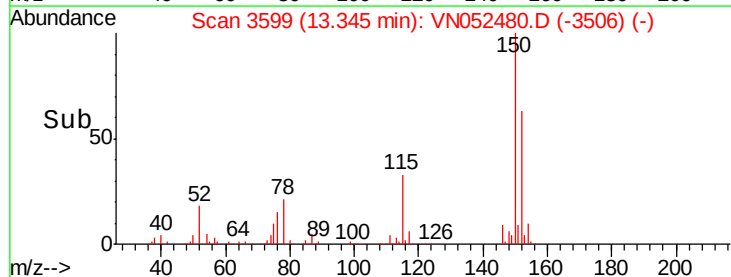
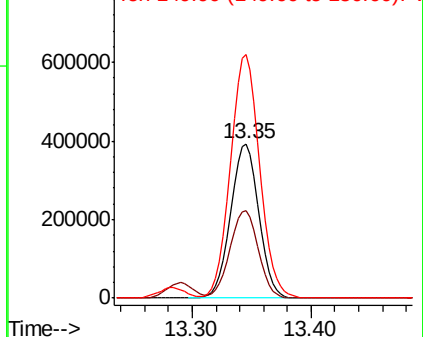


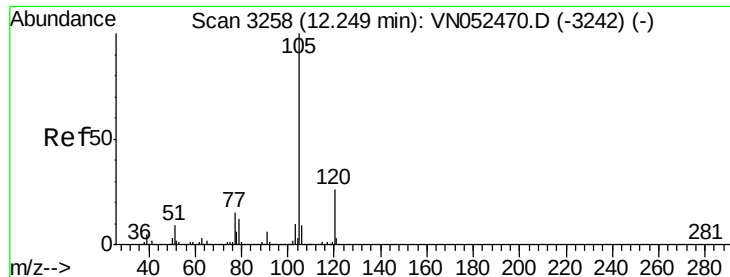
Abundance

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: 20.366 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 105 Resp: 1027552

Ion Ratio Lower Upper

105 100

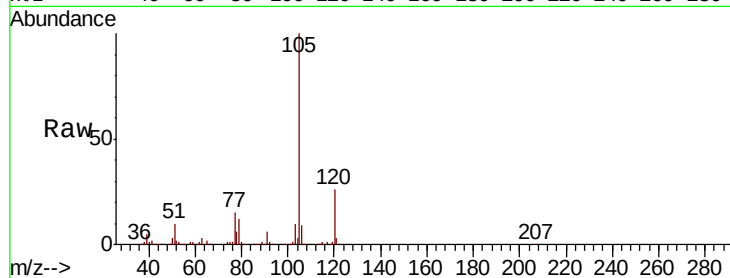
120 26.1 13.1 39.3

Manual Integrations

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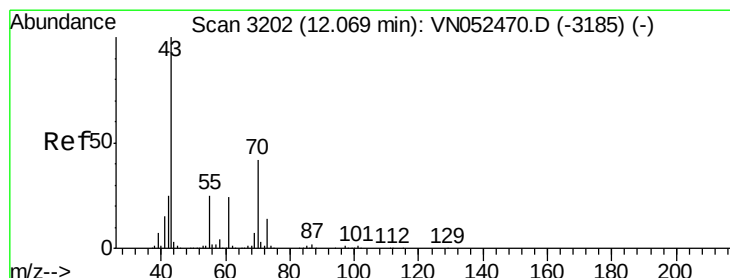
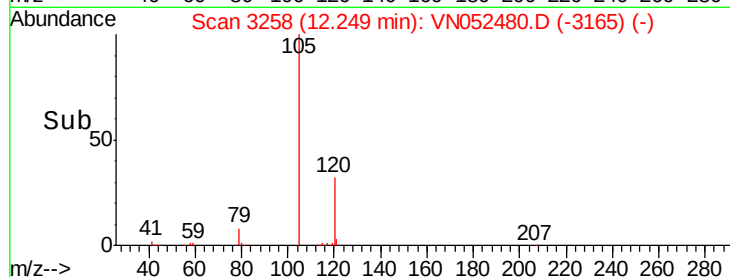
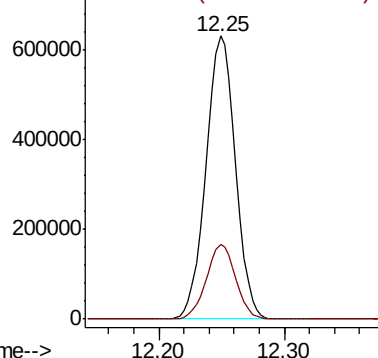
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.196 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion: 43 Resp: 231942

Ion Ratio Lower Upper

43 100

70 41.1 33.8 50.8

55 25.7 20.0 30.0

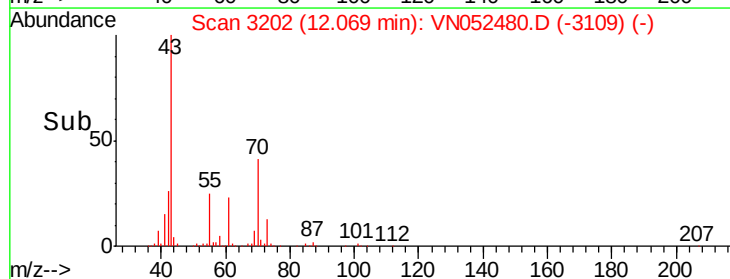
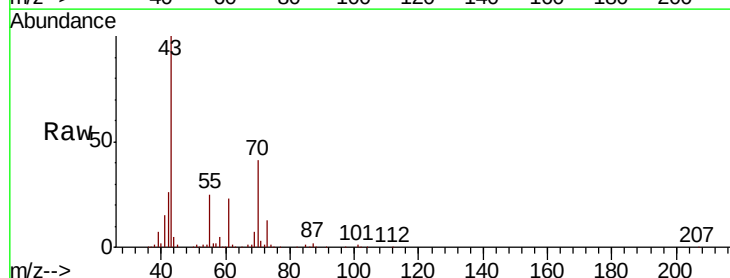
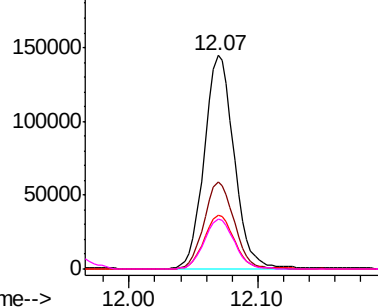
61 23.8 19.7 29.5

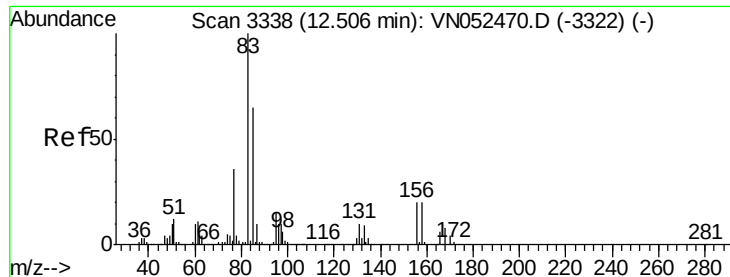
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.059 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

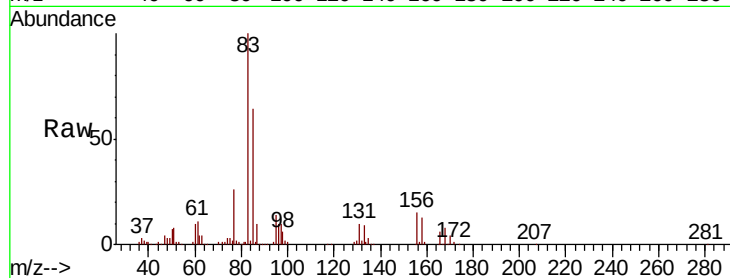
ClientSampleId :

VN1127WBS01

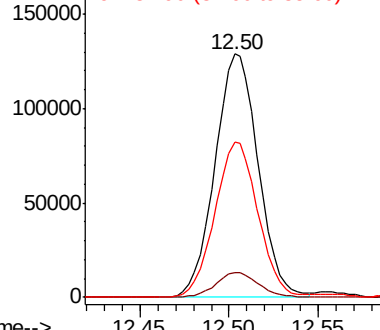
Tgt Ion:	83	Resp:	218750
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	63.4	31.9	95.9

Manual Integrations
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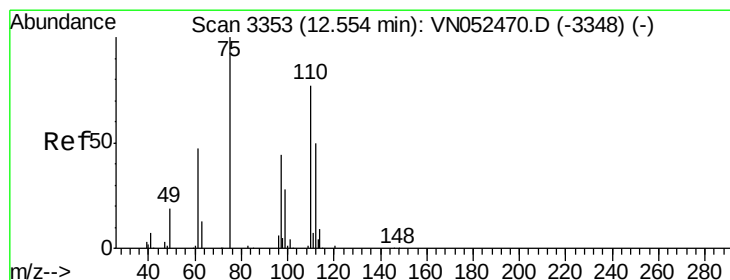
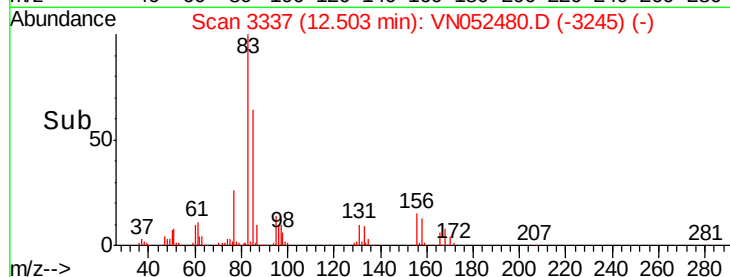
MMDadoda
11/28/2018 9:33:57 AM



Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.184 ug/l m

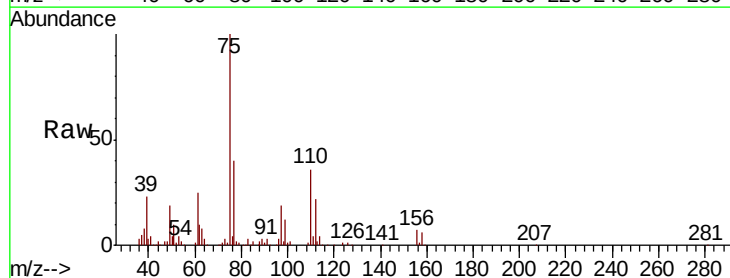
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

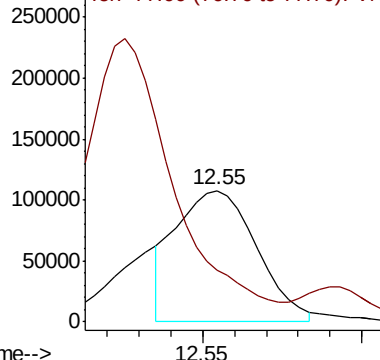
Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

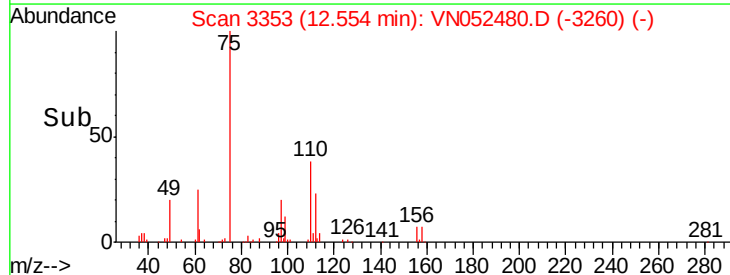
Tgt Ion:	75	Resp:	190246
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

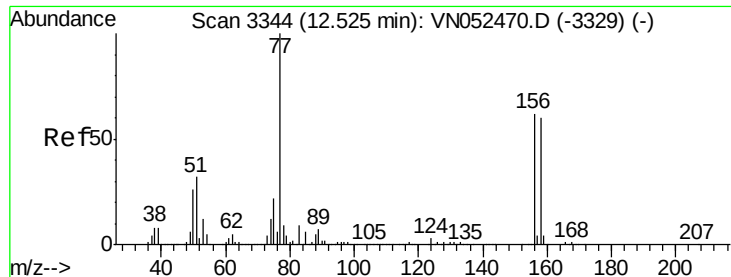


Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)



Time-->





#77

Bromobenzene

Concen: 19.670 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

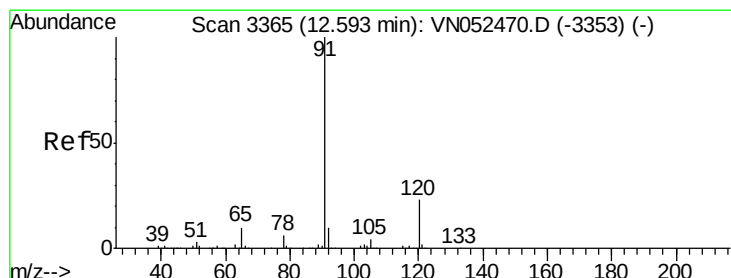
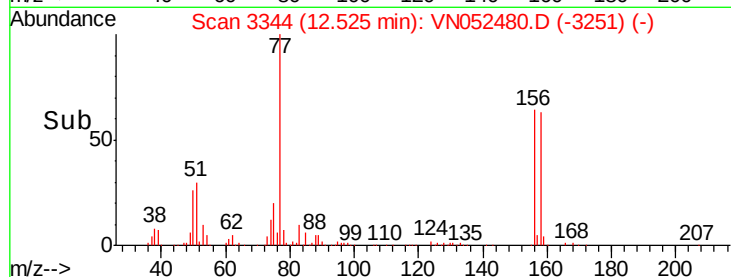
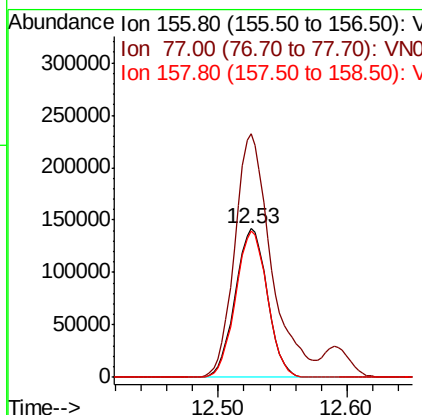
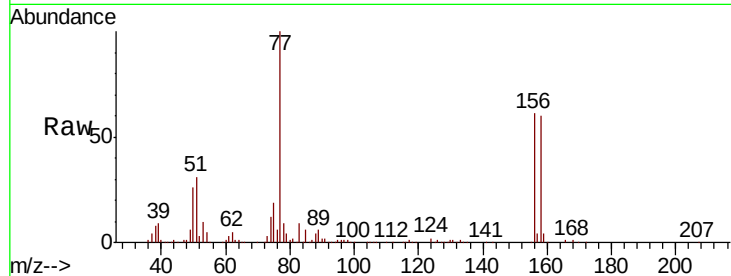
ClientSampleId :

VN1127WBS01

Tgt Ion:	156	Resp:	245304
Ion Ratio	Lower	Upper	
156	100		
77	185.5	93.5	280.4
158	97.3	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.143 ug/l

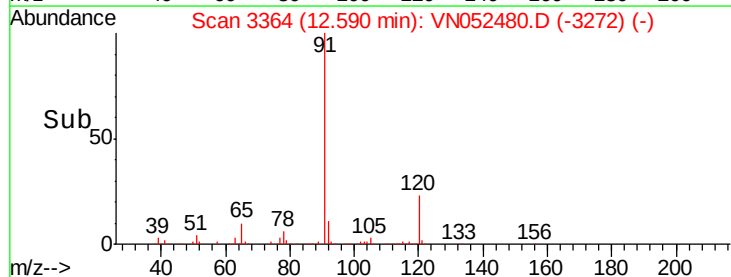
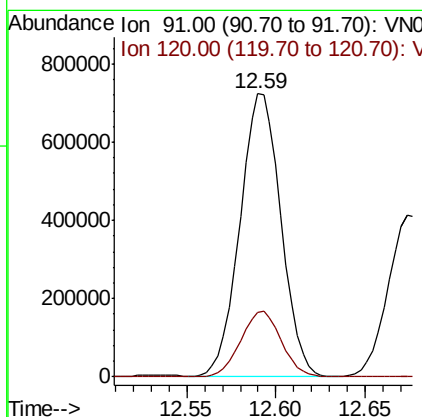
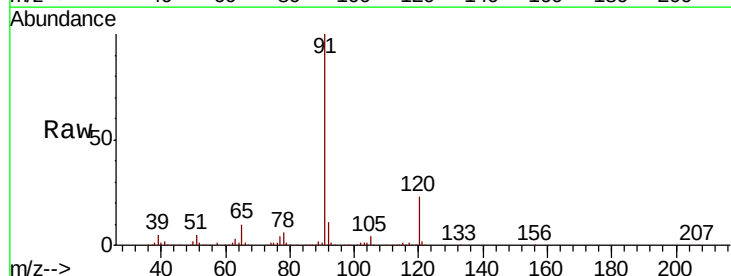
RT: 12.59 min Scan# 3364

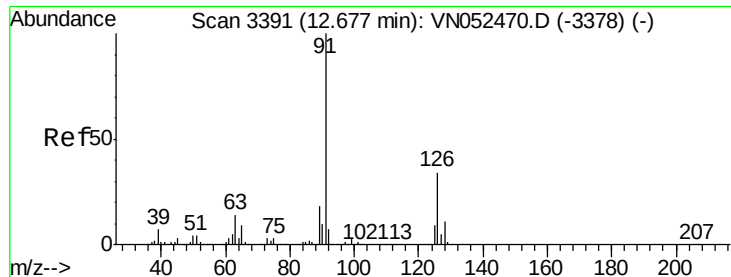
Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion:	91	Resp:	1154574
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.937 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

Tgt Ion: 91 Resp: 680523

Ion Ratio Lower Upper

91 100

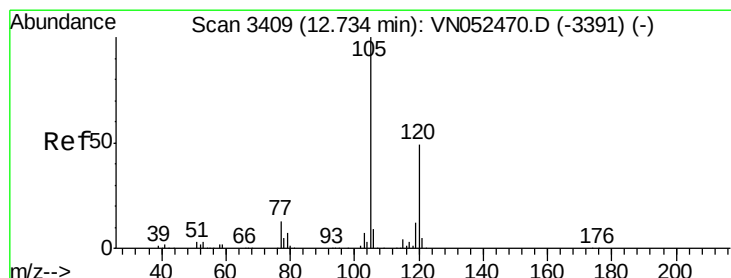
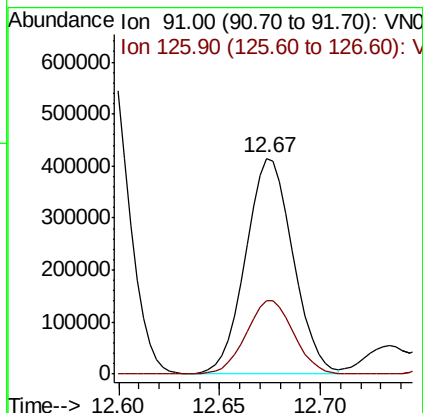
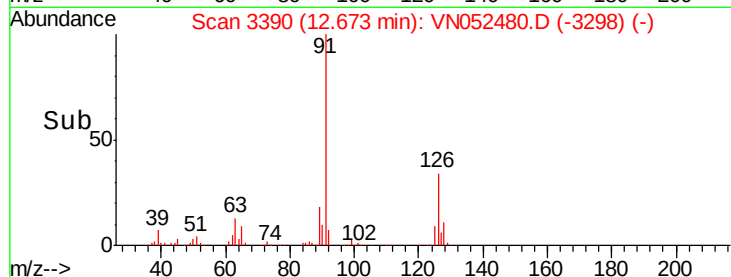
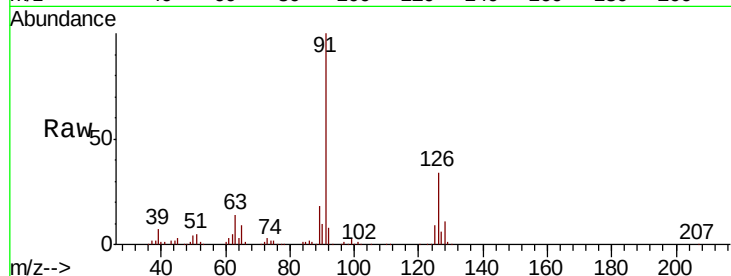
126 34.4 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.469 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052480.D

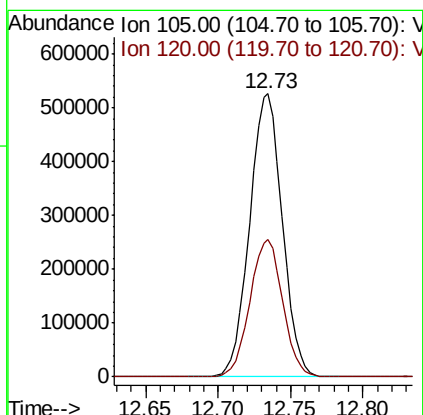
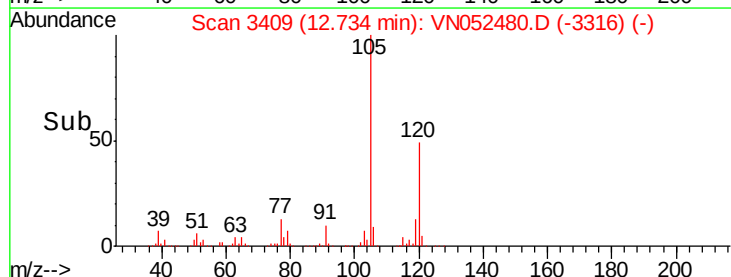
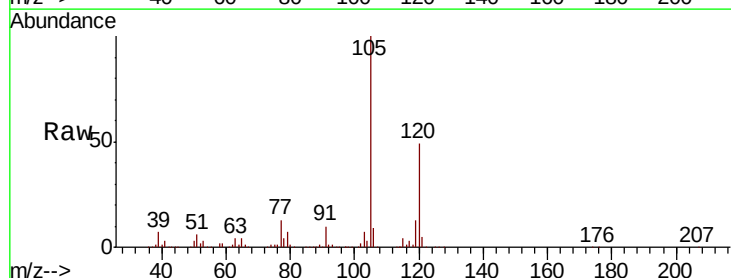
Acq: 27 Nov 2018 15:53

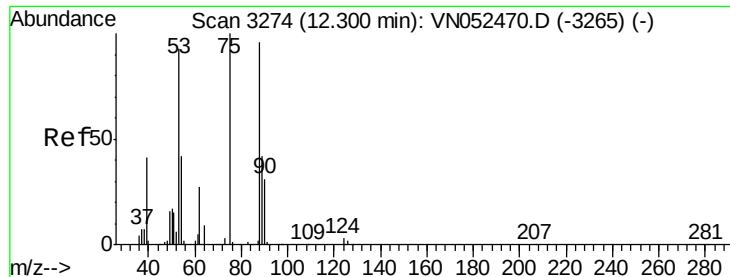
Tgt Ion: 105 Resp: 823694

Ion Ratio Lower Upper

105 100

120 48.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.820 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

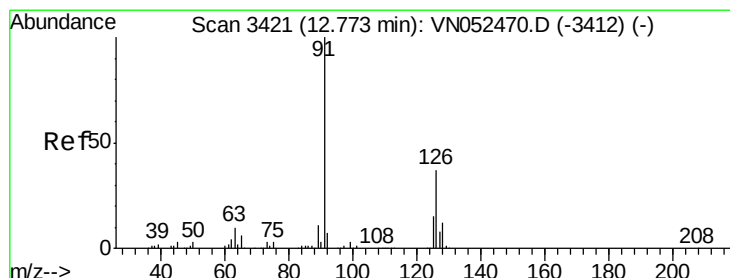
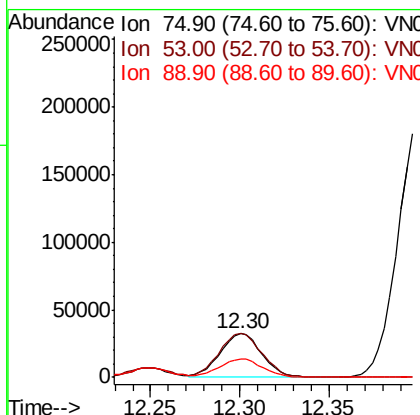
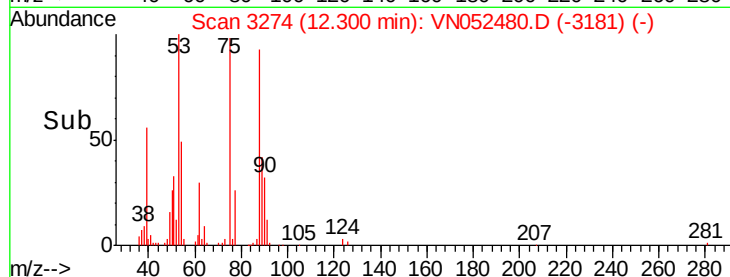
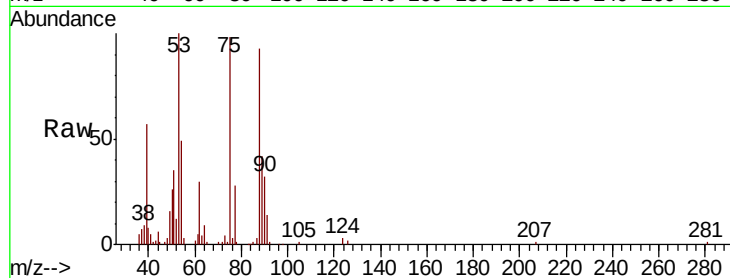
ClientSampleId :

VN1127WBS01

Tgt Ion:	75	Resp:	52918
Ion	Ratio	Lower	Upper
75	100		
53	103.1	77.4	116.0
89	43.1	35.4	53.2

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#82

4-Chlorotoluene

Concen: 19.820 ug/l

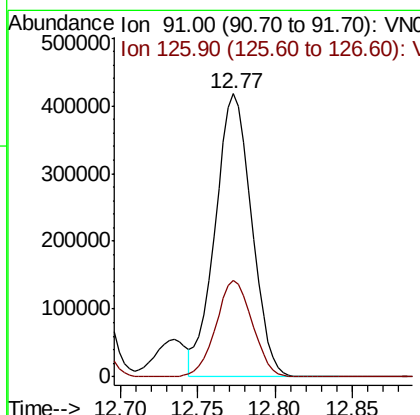
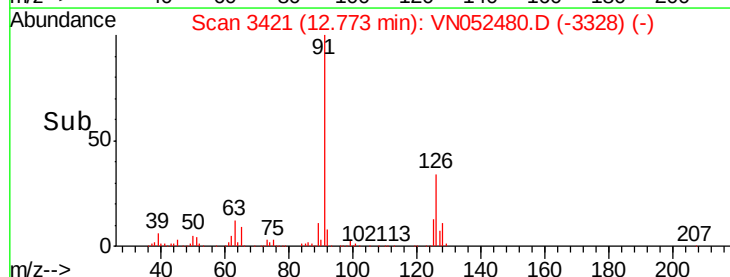
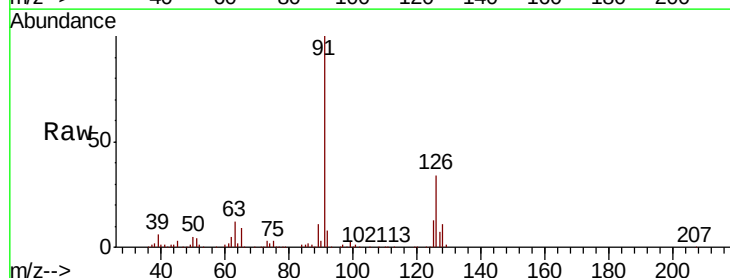
RT: 12.77 min Scan# 3421

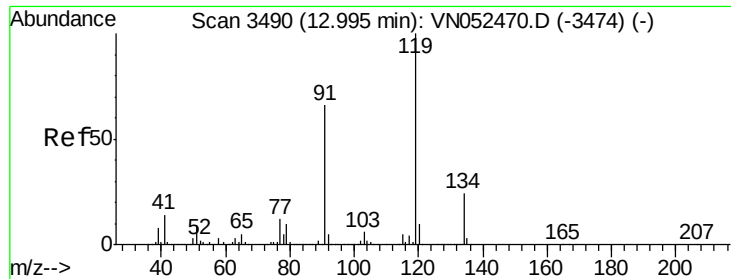
Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion:	91	Resp:	681820
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6





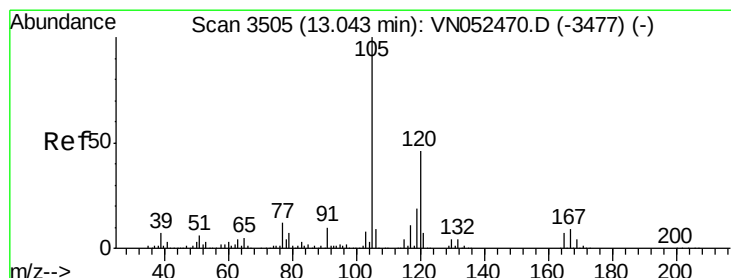
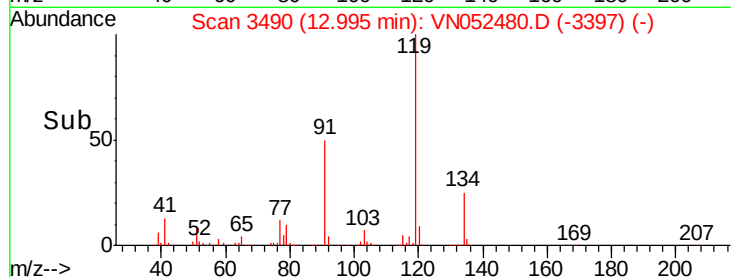
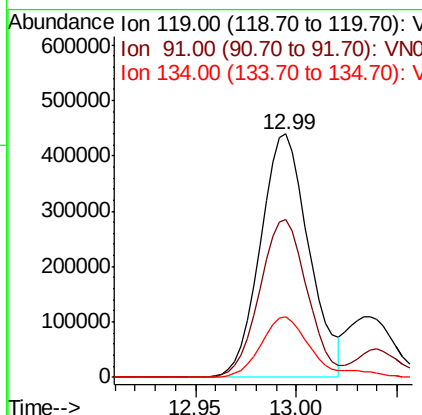
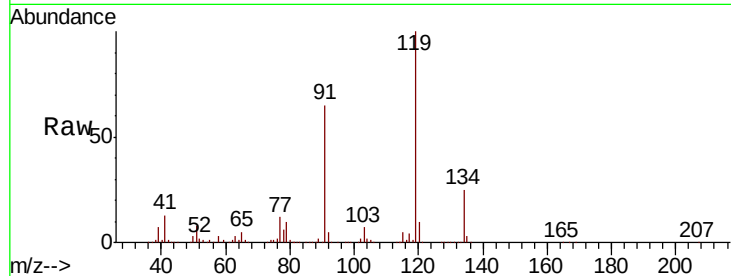
#83
 tert-Butylbenzene
 Concen: 20.493 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.1	32.3	96.9
134	24.4	13.0	38.9

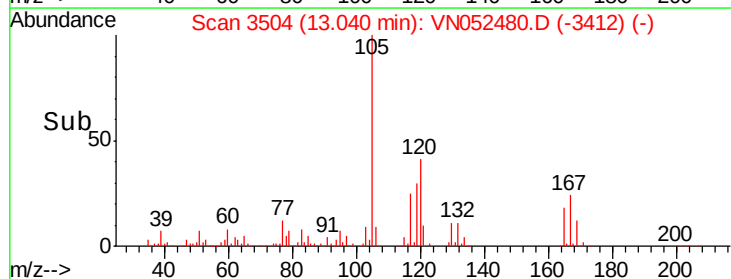
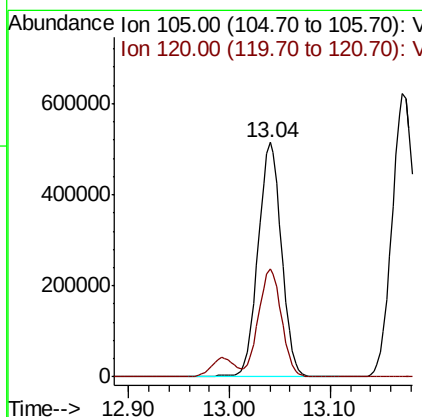
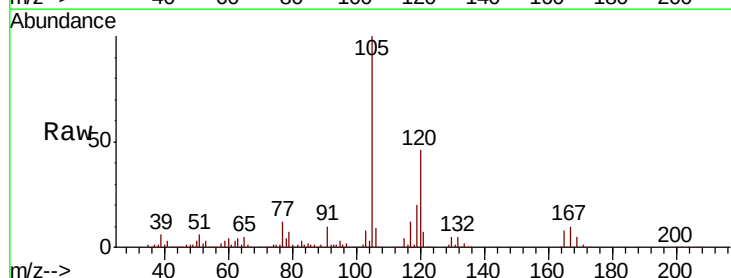
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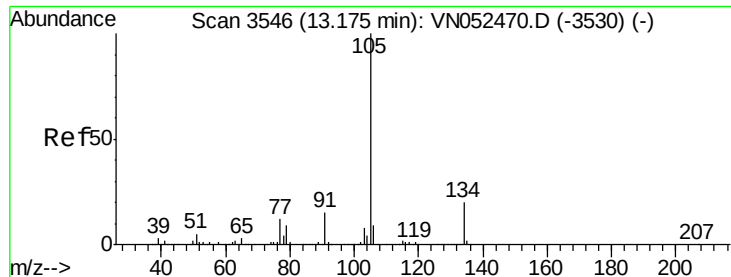
MMDadoda
 11/28/2018 9:33:57 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.489 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.321 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

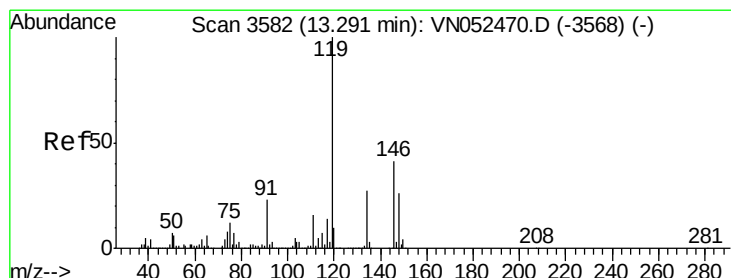
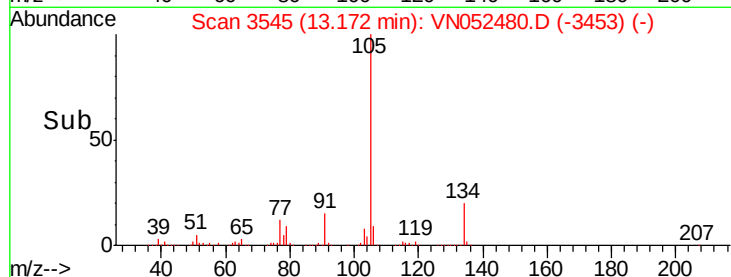
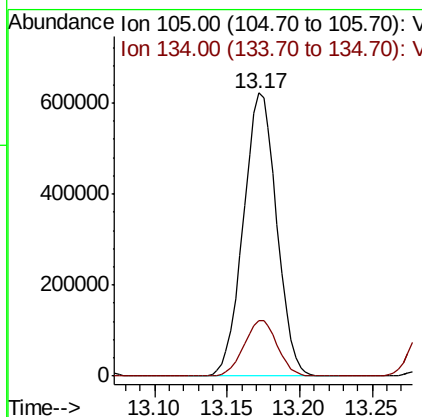
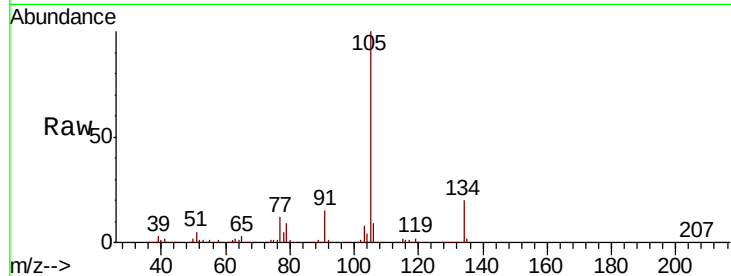
ClientSampleId :

VN1127WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	992916		
134	19.8	9.9	29.7	

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#86

p-Isopropyltoluene

Concen: 20.083 ug/l

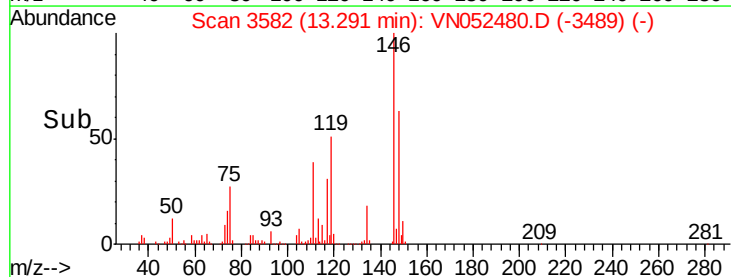
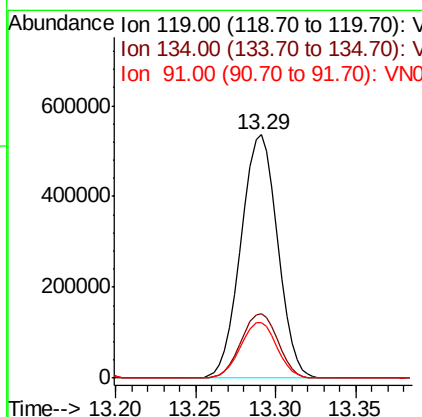
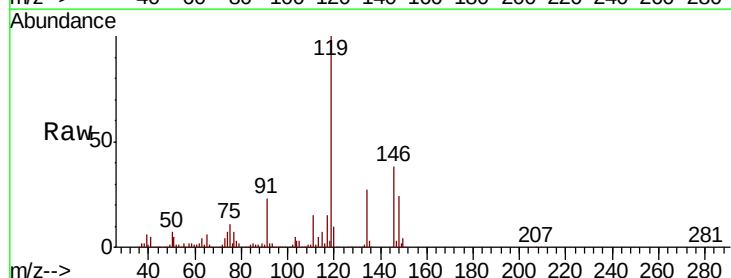
RT: 13.29 min Scan# 3582

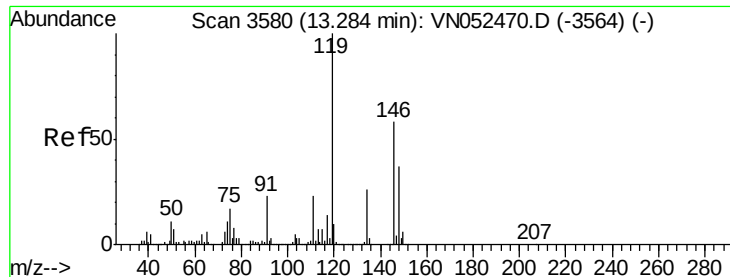
Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	835794		
134	26.6	13.4	40.2	
91	22.8	11.4	34.2	





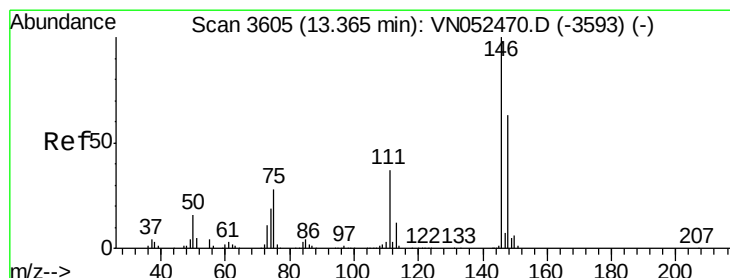
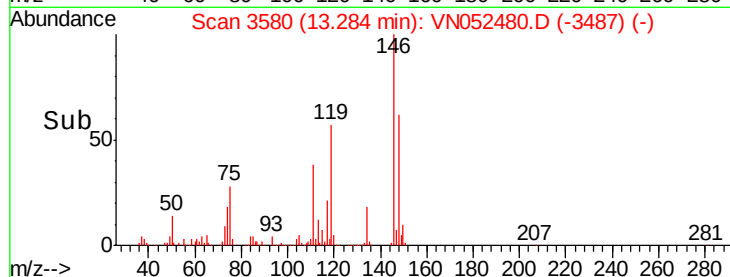
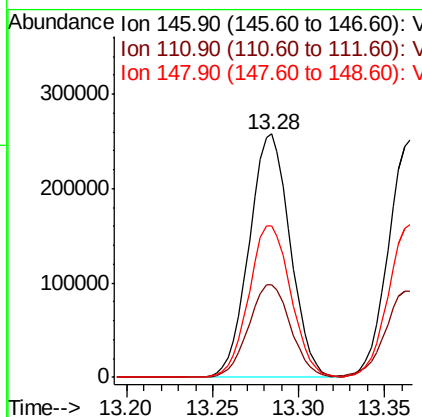
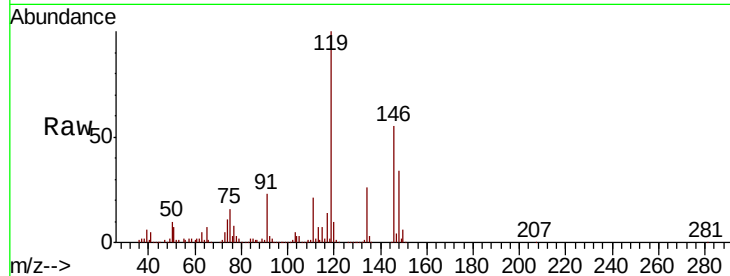
#87
 1,3-Dichlorobenzene
 Concen: 19.554 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	63.7	31.8	95.4

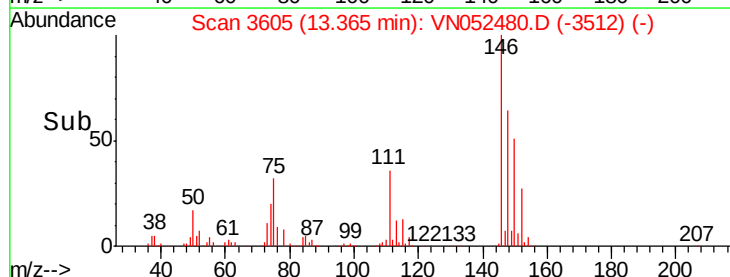
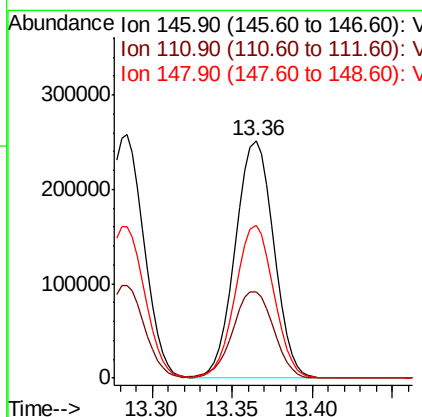
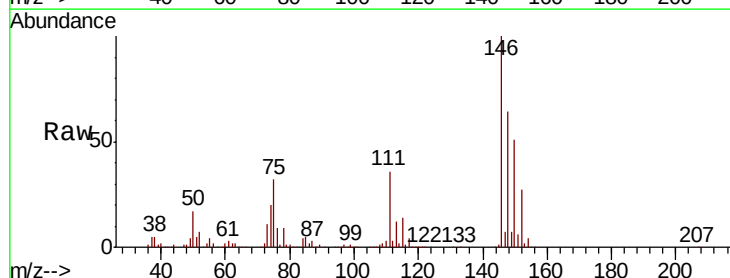
Manual Integrations
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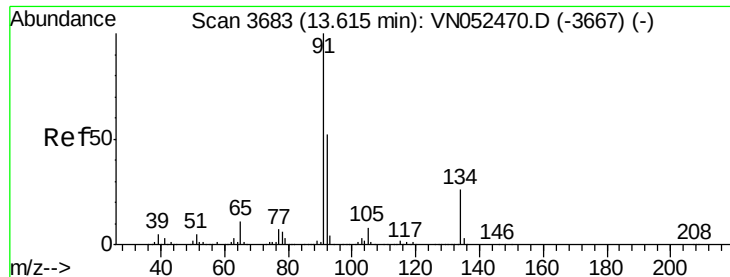
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#88
 1,4-Dichlorobenzene
 Concen: 19.164 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	56.0
148	64.4	31.9	95.9





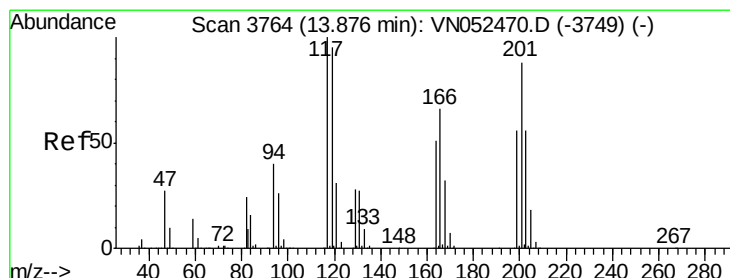
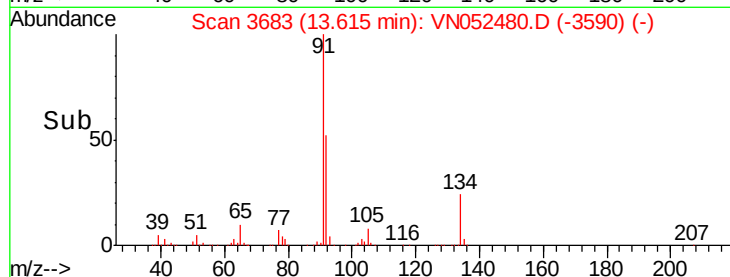
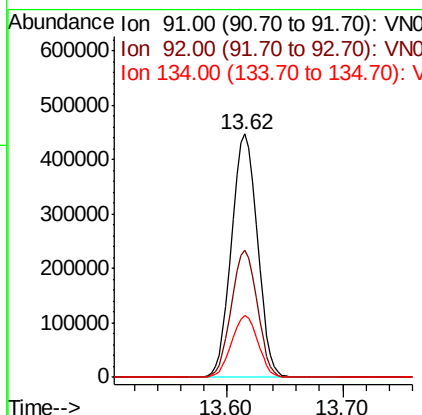
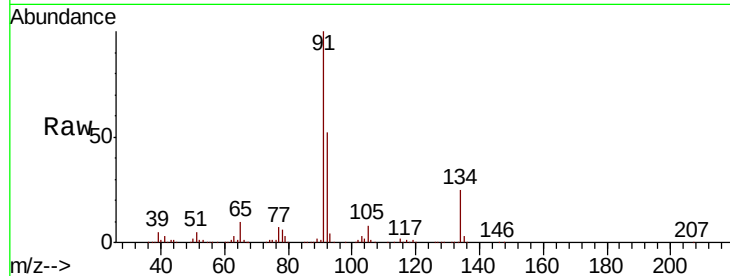
#89
n-Butylbenzene
Concen: 19.922 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.7	13.0	38.9

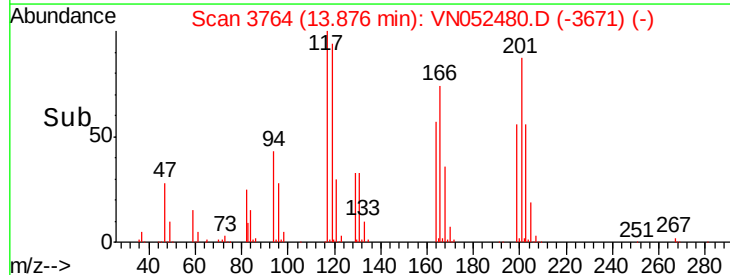
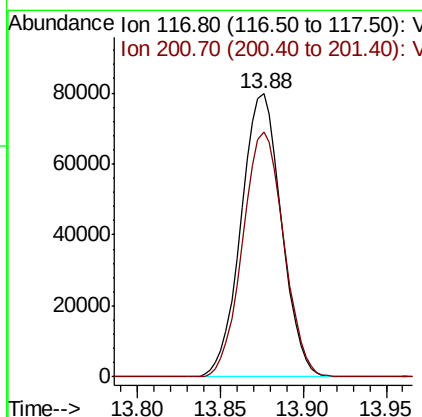
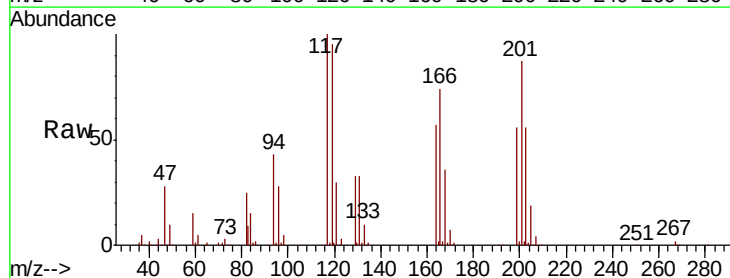
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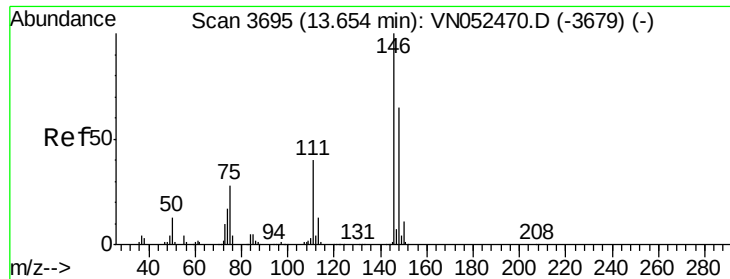
MMDadoda
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#90
Hexachloroethane
Concen: 19.169 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	43.6	130.9





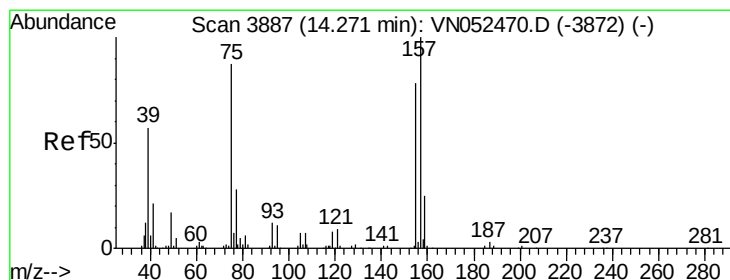
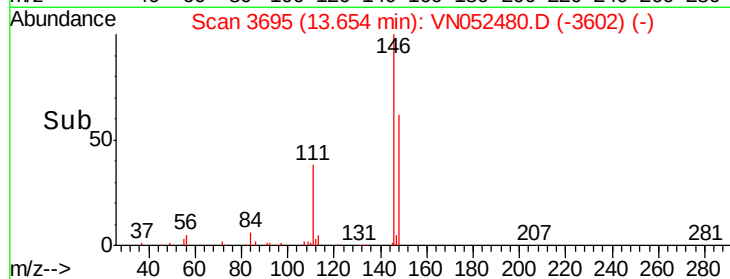
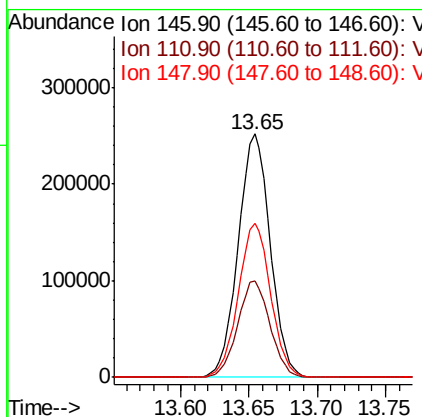
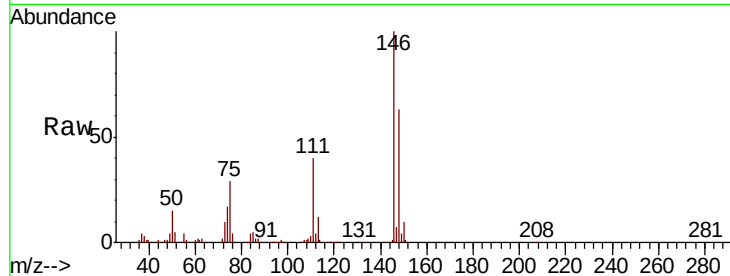
#91
 1,2-Dichlorobenzene
 Concen: 19.722 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	411033		
111	40.0	20.0	60.0	
148	63.6	32.0	96.2	

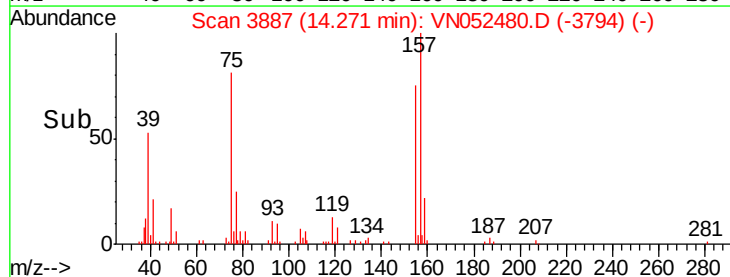
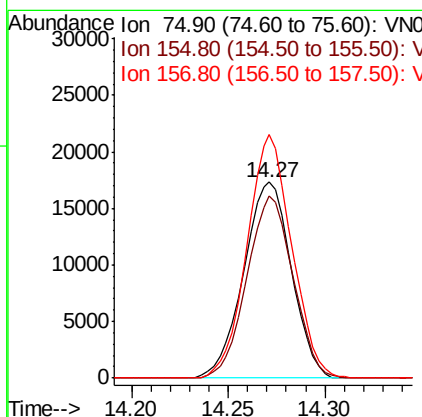
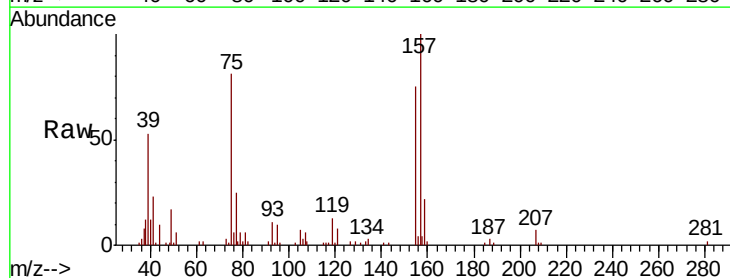
Manual Integrations
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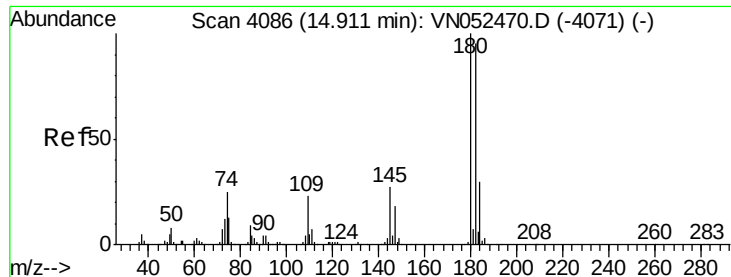
MMDadoda
 11/28/2018 9:33:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.074 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29669		
155	89.6	45.3	135.9	
157	116.5	58.1	174.2	





#93

1,2,4-Trichlorobenzene

Concen: 18.369 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

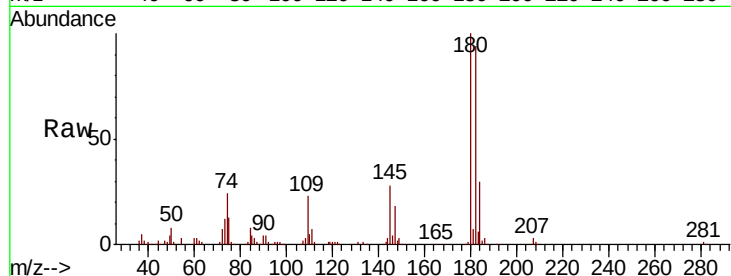
ClientSampleId :

VN1127WBS01

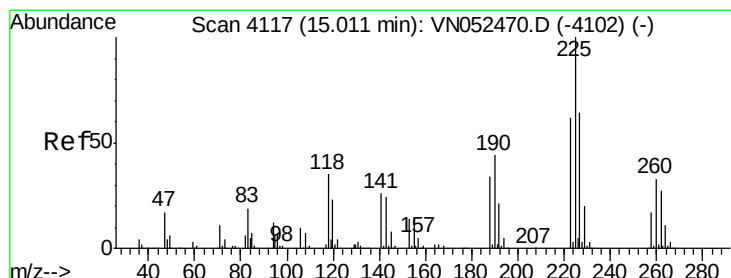
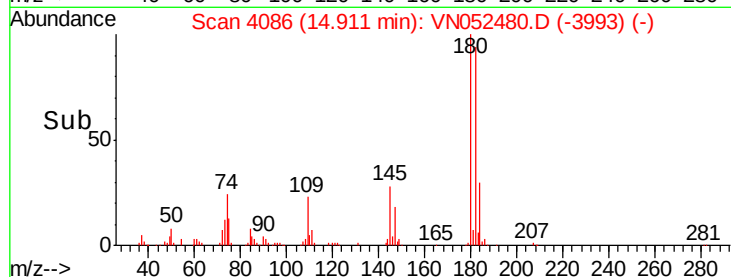
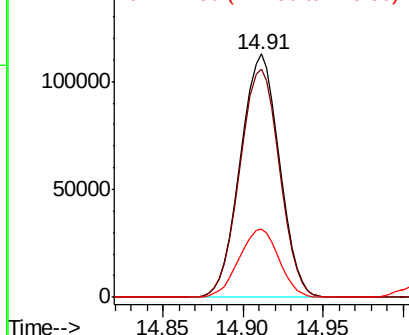
Tgt Ion:	180	Resp:	188060
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	28.7	14.1	42.3

Manual Integrations
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11/28/2018 9:33:57 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.948 ug/l

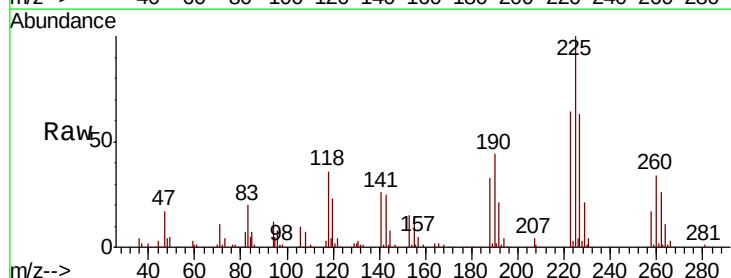
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

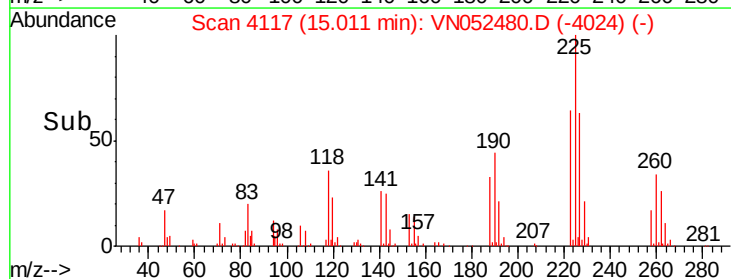
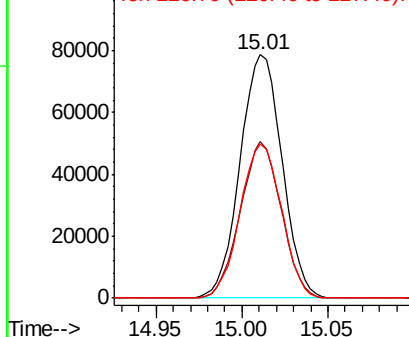
Lab File: VN052480.D

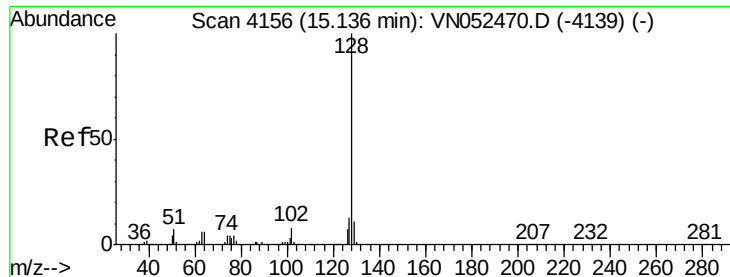
Acq: 27 Nov 2018 15:53

Tgt Ion:	225	Resp:	133746
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.4	94.2
227	62.4	32.5	97.4



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





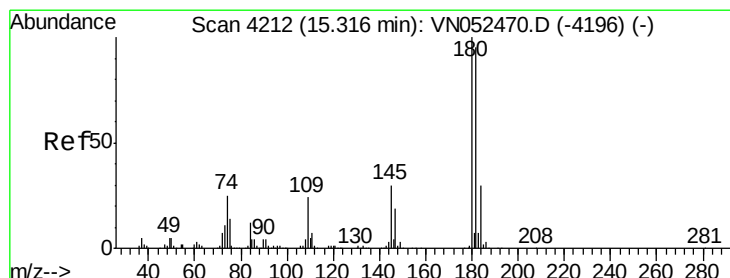
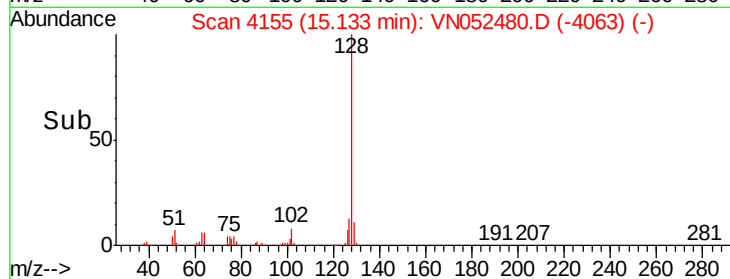
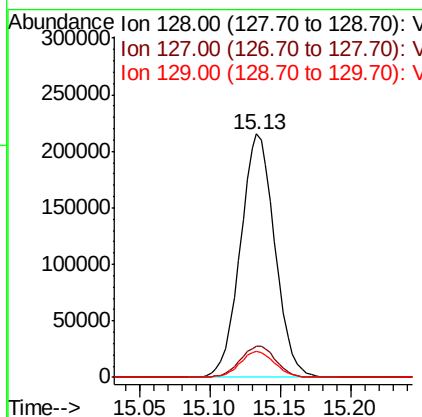
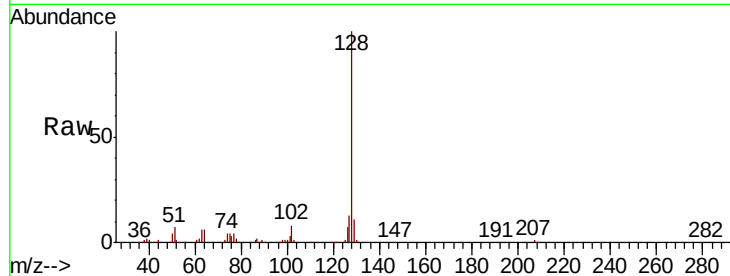
#95
Naphthalene
Concen: 17.584 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	367971		
127	13.3	10.2	15.2	
129	10.9	8.7	13.1	

Manual Integrations
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11/28/2018 9:33:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.797 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	178422		
182	93.0	47.8	143.3	
145	30.7	15.2	45.5	

