LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN087816.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.048	11	16	27	rVB	439189	865173	12.84%	2.697%
2	2.312	55	61	69	rBV	369157	629041	9.34%	1.961%
3	2.859	147	154	163	rVB	142801	329228	4.89%	1.026%
4	4.418	407	419	432	rBV	1106283	3441473	51.08%	10.728%
5	4.712	457	469	484	rBV	229059	802620	11.91%	2.502%
6	5.518	588	606	633	rBV2	1576499	6737292	100.00%	21.002%
7	7.430	917	931	933	rBV	2065788	4797638	71.21%	14.955%
8	7.777	978	990	992	rBV	513425	1155366	17.15%	3.602%
9	7.818	992	997	1015	rVB	1006941	2838103	42.13%	8.847%
10	8.565	1111	1124	1131	rBV3	183625	569654	8.46%	1.776%
11	8.647	1131	1138	1148	rVB	867478	1939283	28.78%	6.045%
12	9.082	1203	1212	1225	rVV	343880	702915	10.43%	2.191%
13	9.453	1267	1275	1279	rBV2	37565	77307	1.15%	0.241%
14	9.512	1279	1285	1295	rVB	92165	184421	2.74%	0.575%
15	10.429	1430	1441	1446	rBV2	92625	193910	2.88%	0.604%
16	10.547	1453	1461	1467	rVV	515880	985831	14.63%	3.073%
17	10.612	1467	1472	1485	rVB2	152406	358531	5.32%	1.118%
18	11.147	1554	1563	1577	rVV	149058	295929	4.39%	0.922%
19	11.841	1673	1681	1693	rBV	465358	914214	13.57%	2.850%
20	11.941	1693	1698	1706	rVV	156744	294162	4.37%	0.917%
21	12.047	1709	1716	1725	rVB	125982	248527	3.69%	0.775%
22	12.376	1766	1772	1782	rVB	83887	154091	2.29%	0.480%
23	12.829	1842	1849	1858	rBV	328133	602417	8.94%	1.878%
24	13.065	1883	1889	1897	rBV4	90044	181342	2.69%	0.565%
25	13.135	1897	1901	1916	rVB8	36052	96933	1.44%	0.302%
26	13.459	1951	1956	1968	rVB2	49753	97848	1.45%	0.305%
27	13.582	1968	1977	1983	rBV4	63656	115195	1.71%	0.359%
28	13.706	1992	1998	2004	rVB2	56365	100905	1.50%	0.315%
29	13.794	2004	2013	2015	rVV3	84576	155451	2.31%	0.485%
30	13.829	2015	2019	2029	rVB2	138088	259109	3.85%	0.808%
31	14.082	2057	2062	2068	rBV3	50246	79940	1.19%	0.249%
32	14.241	2083	2089	2090	rBV5	54362	75332	1.12%	0.235%
33	14.270	2092	2094	2107	rVB5	71632	151475	2.25%	0.472%
34	14.441	2114	2123	2137	rVB5	29329	120415	1.79%	0.375%
35	14.653	2148	2159	2167	rBV	737133	1456404	21.62%	4.540%
36	14.929	2199	2206	2213	rBV	32756	72229	1.07%	0.225%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

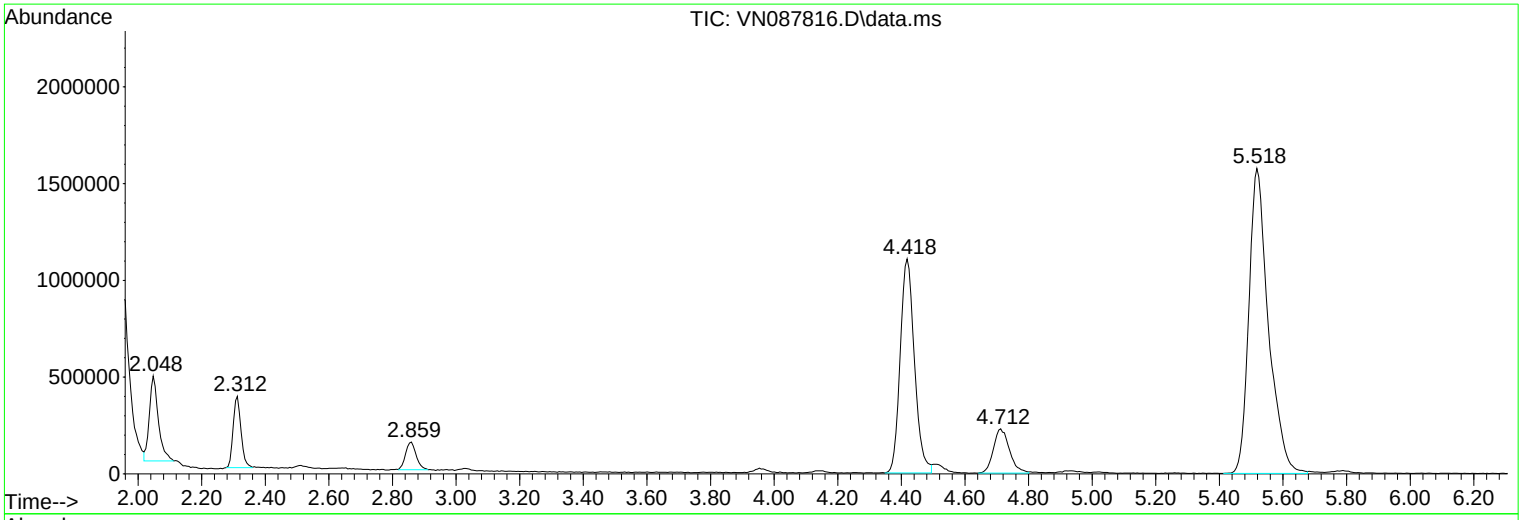
Sum of corrected areas: 32079704

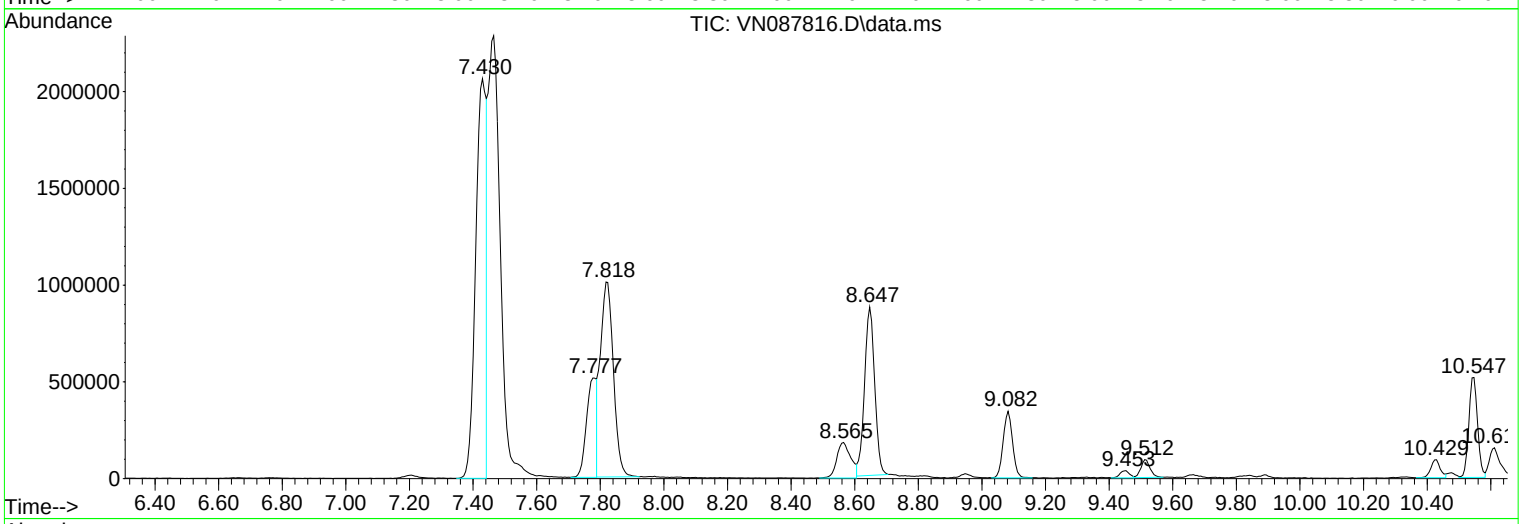
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

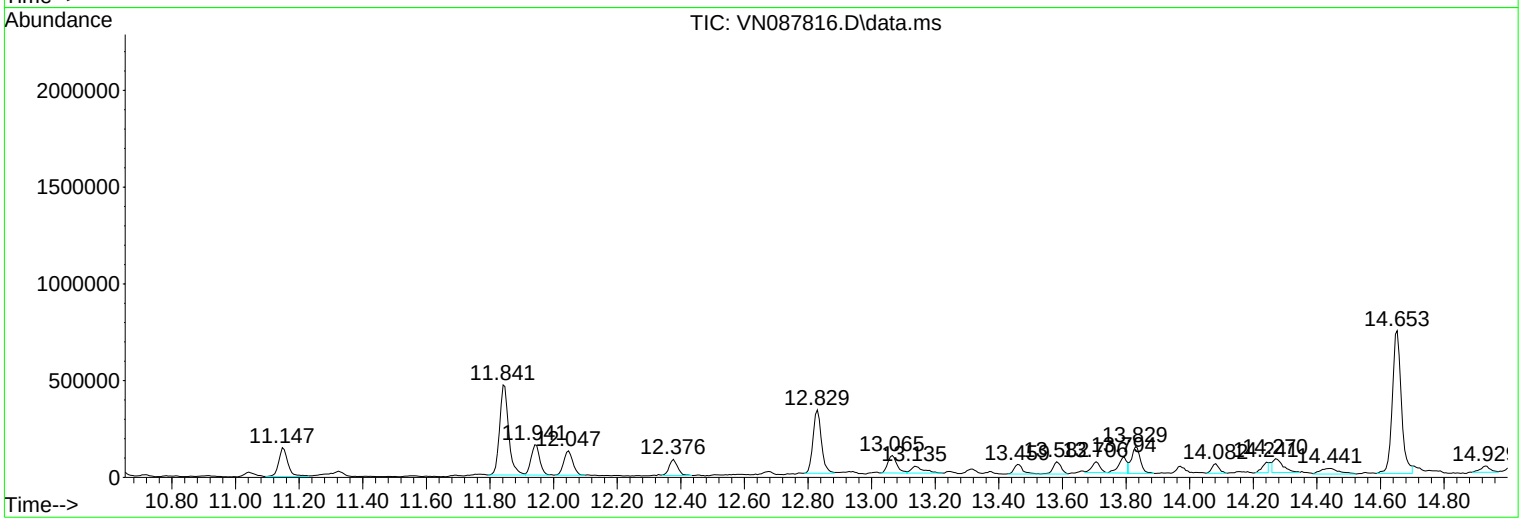
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

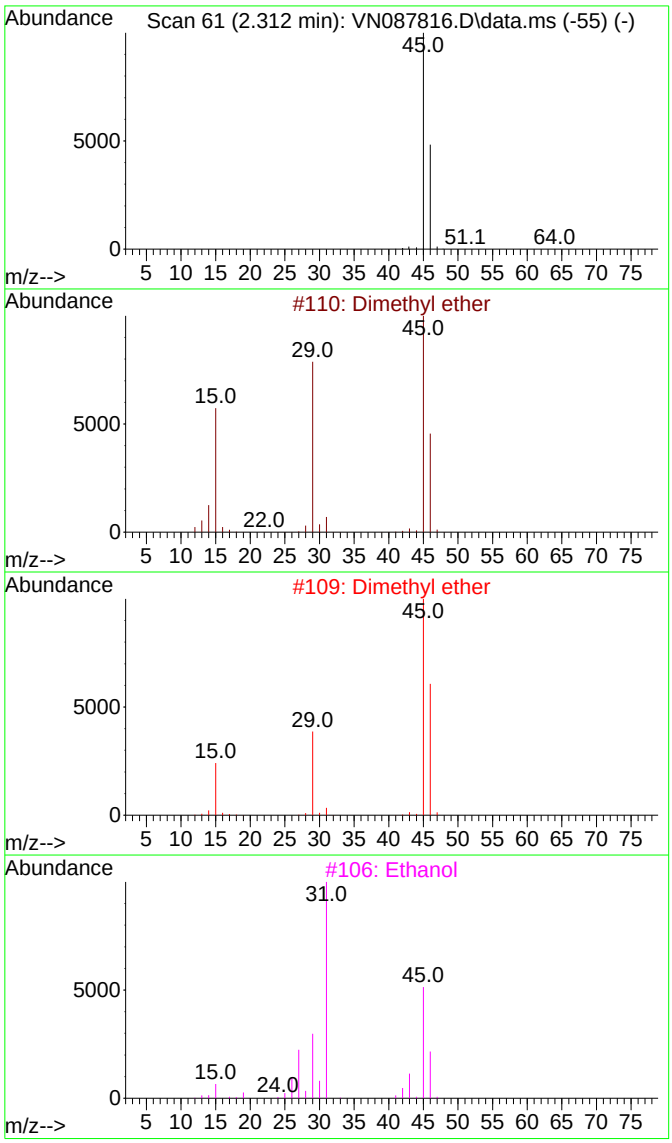
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

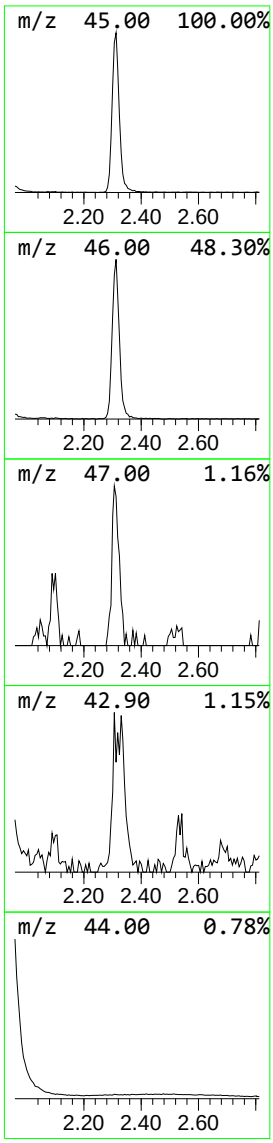
****

Peak Number 2 Dimethyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.312	16.33 ug/l	629041	Bromochloromethane	7.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	86
2	Dimethyl ether	46	C2H6O	000115-10-6	64
3	Ethanol	46	C2H6O	000064-17-5	7
4	Ethanol	46	C2H6O	000064-17-5	7
5	Dimethyl ether	46	C2H6O	000115-10-6	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

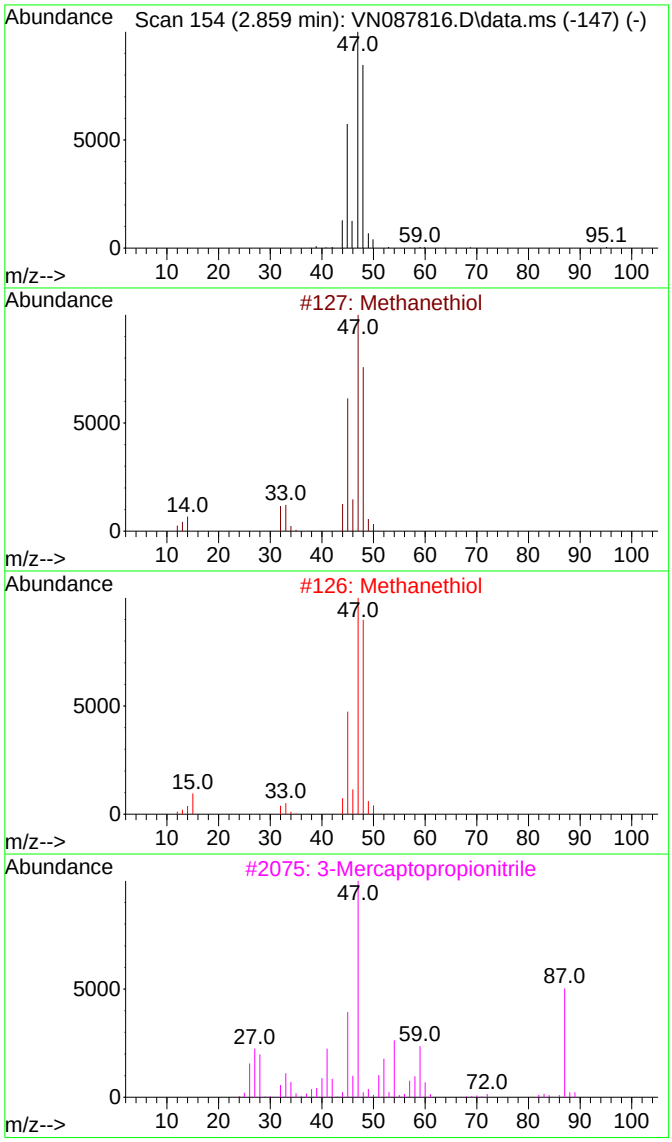
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

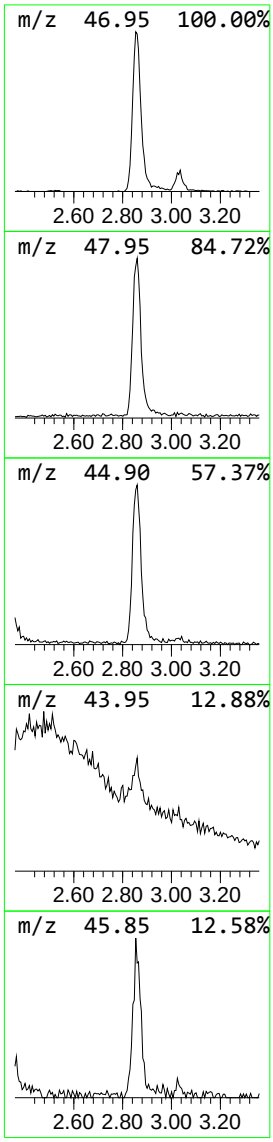
****

Peak Number 3 Methanethiol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.859	8.55 ug/l	329228	Bromochloromethane	7.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	91
2	Methanethiol	48	CH4S	000074-93-1	90
3	3-Mercaptopropionitrile	87	C3H5NS	001001-58-7	25
4	Acetic acid, mercapto-	92	C2H4O2S	000068-11-1	9
5	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

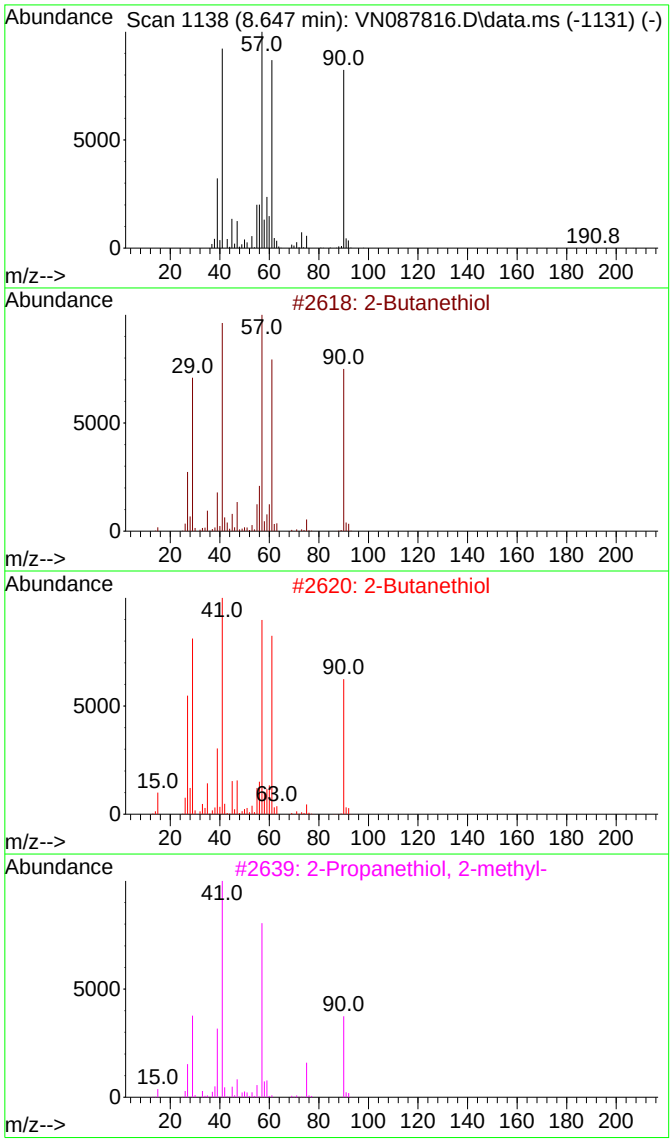
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

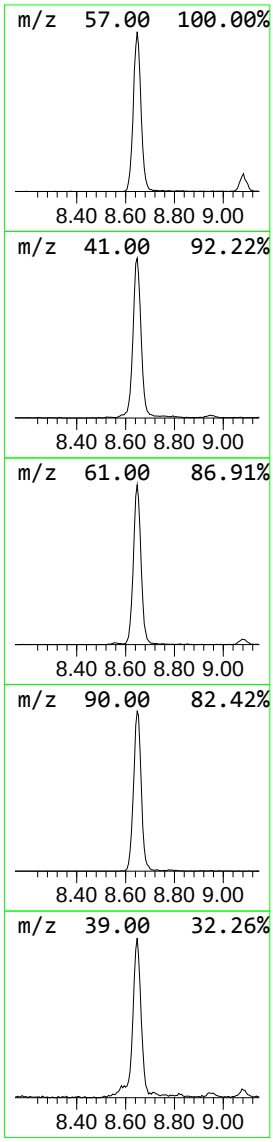
****

Peak Number 4 2-Butanethiol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.647	82.77 ug/l	1939280	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanethiol	90	C4H10S	000513-53-1	93
2	2-Butanethiol	90	C4H10S	000513-53-1	90
3	2-Propanethiol, 2-methyl-	90	C4H10S	000075-66-1	53
4	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	50
5	Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

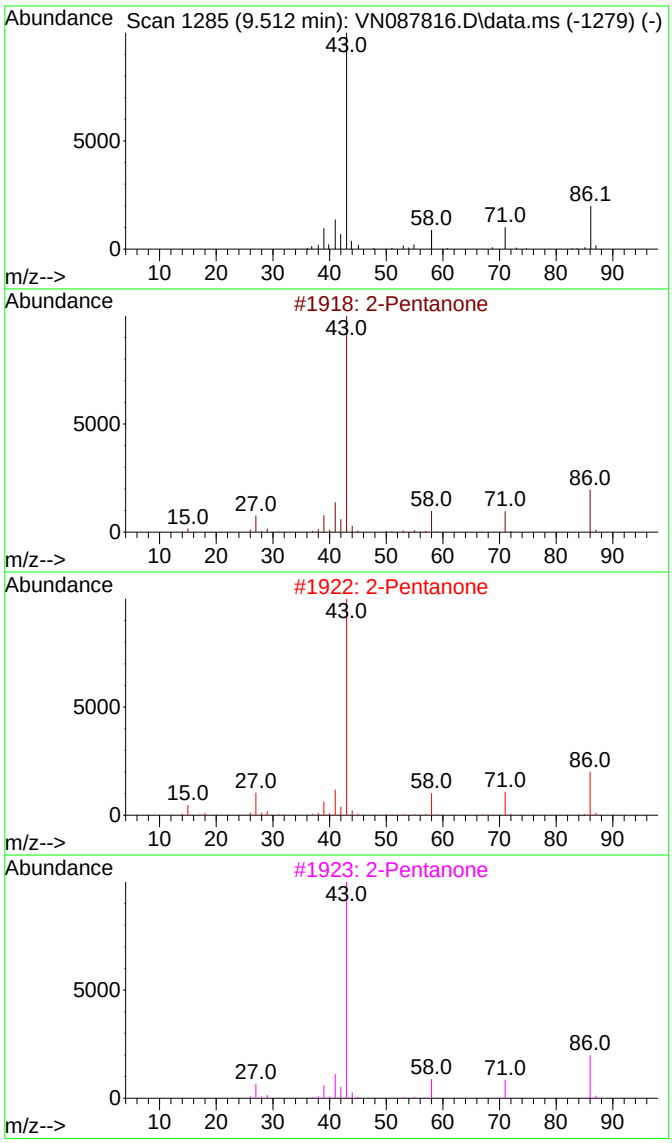
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

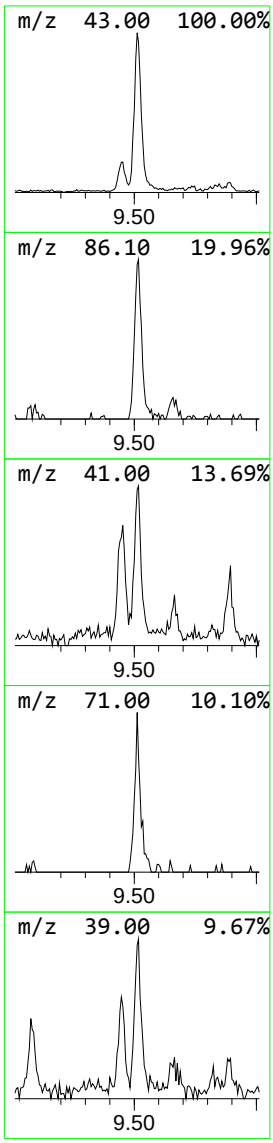
****

Peak Number 5 2-Pentanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.512	7.87 ug/l	184421	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	86
2	2-Pentanone	86	C5H10O	000107-87-9	86
3	2-Pentanone	86	C5H10O	000107-87-9	86
4	2-Pentanone	86	C5H10O	000107-87-9	78
5	2-Pentanone	86	C5H10O	000107-87-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

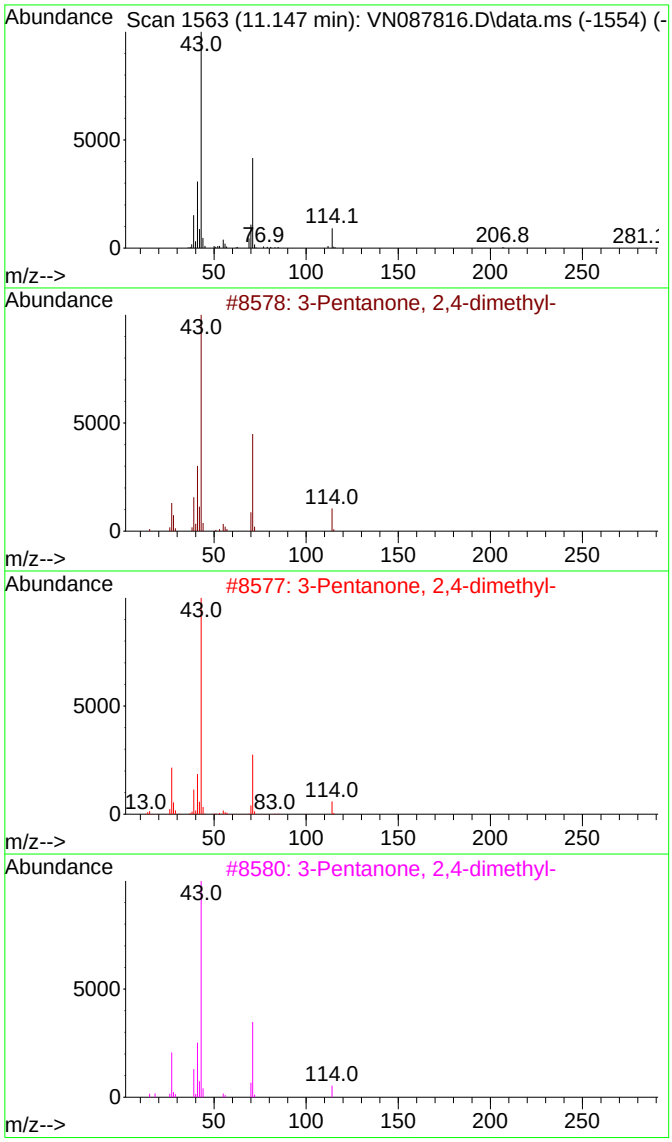
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

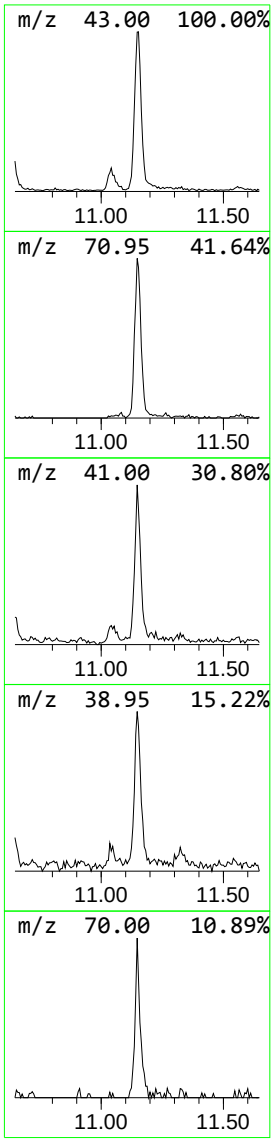
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 3-Pentanone, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.147	9.71 ug/l	295929	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	90
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
3	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
5	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

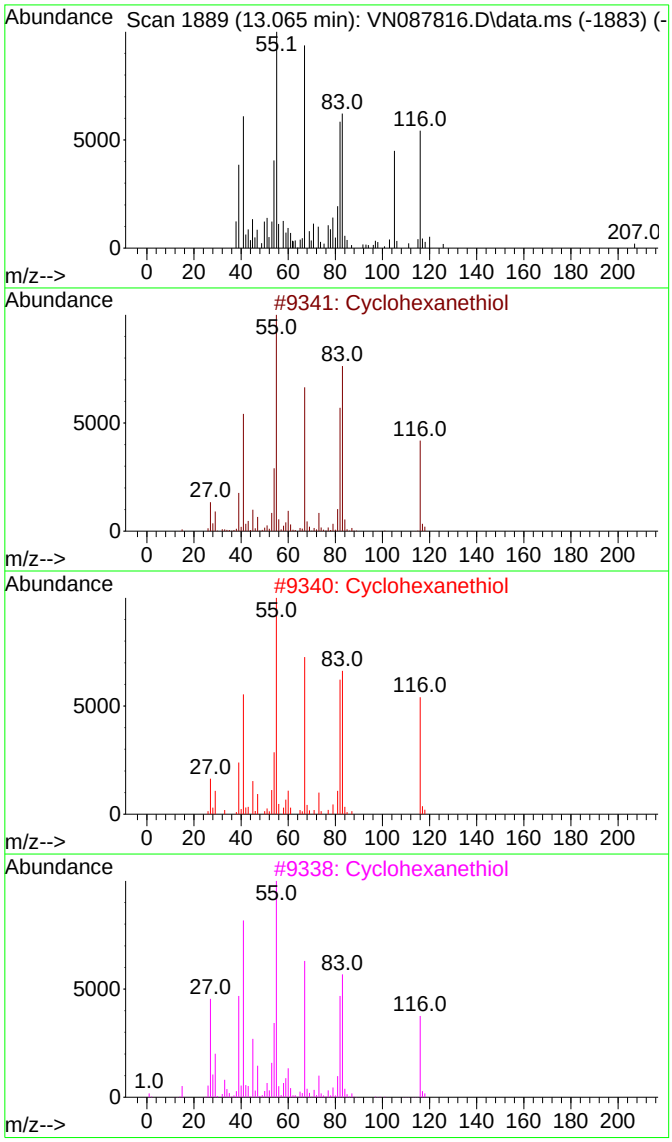
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

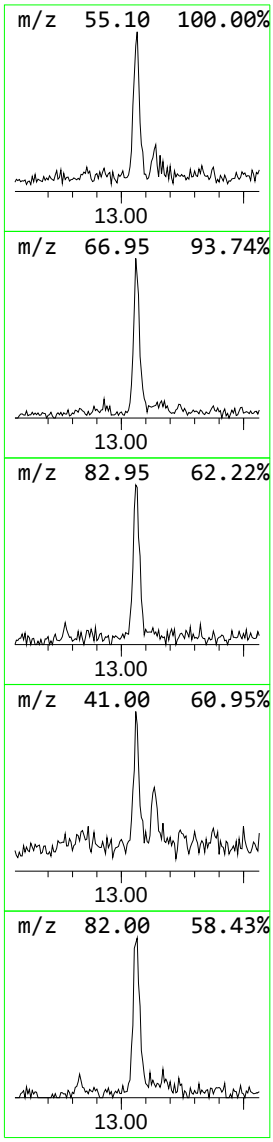
****

Peak Number 7 Cyclohexanethiol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.065	5.95 ug/l	181342	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanethiol	116	C6H12S	001569-69-3	91
2	Cyclohexanethiol	116	C6H12S	001569-69-3	76
3	Cyclohexanethiol	116	C6H12S	001569-69-3	72
4	Cyclohexane, chloro-	118	C6H11Cl	000542-18-7	52
5	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

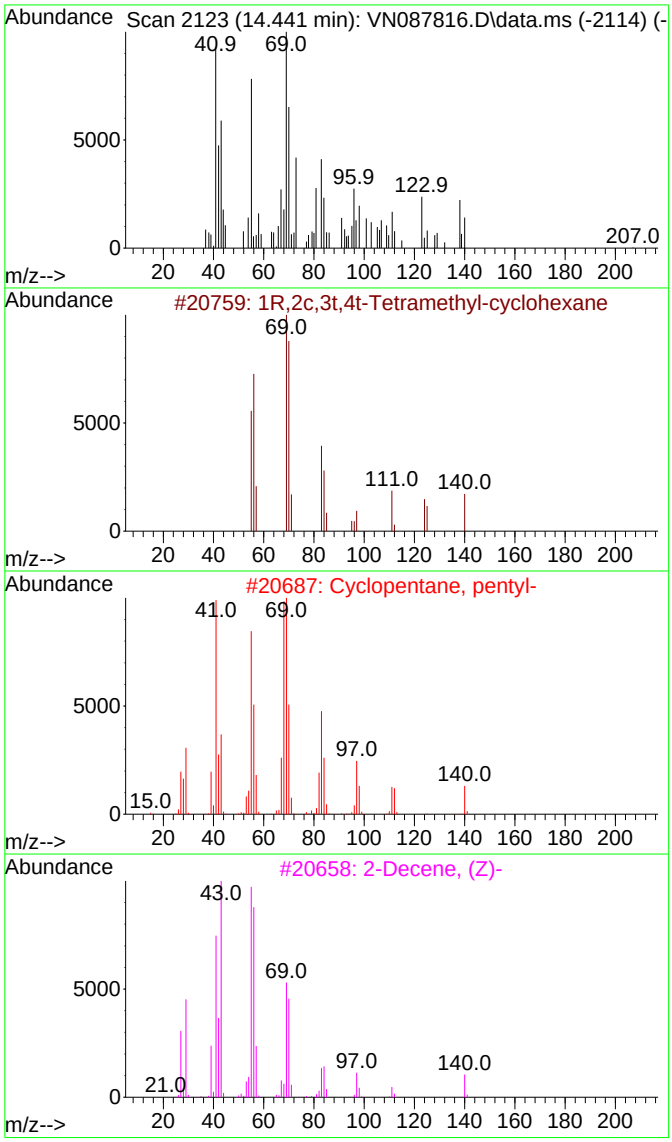
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

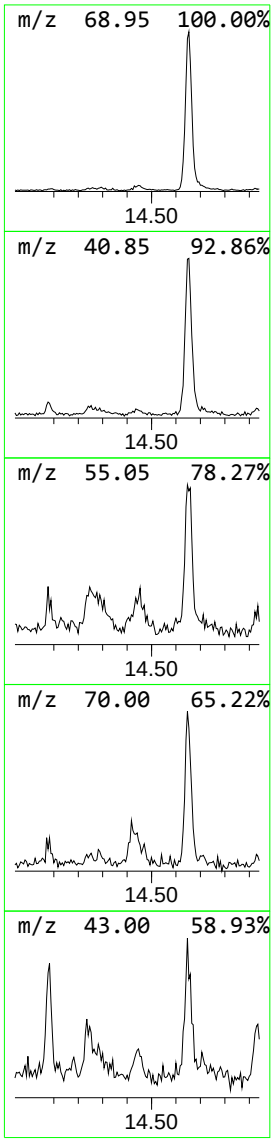
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1R,2c,3t,4t-Tetramethyl-cyc... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	3.95 ug/l	120415	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	70
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	58
3	2-Decene, (Z)-	140	C10H20	020348-51-0	52
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	47
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

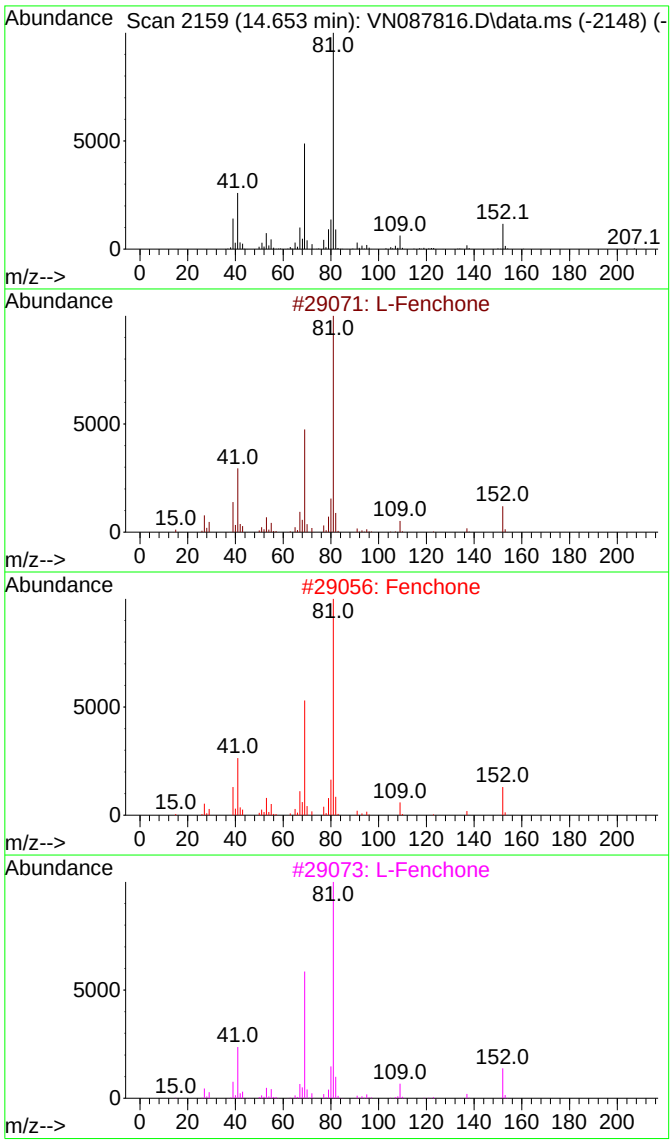
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

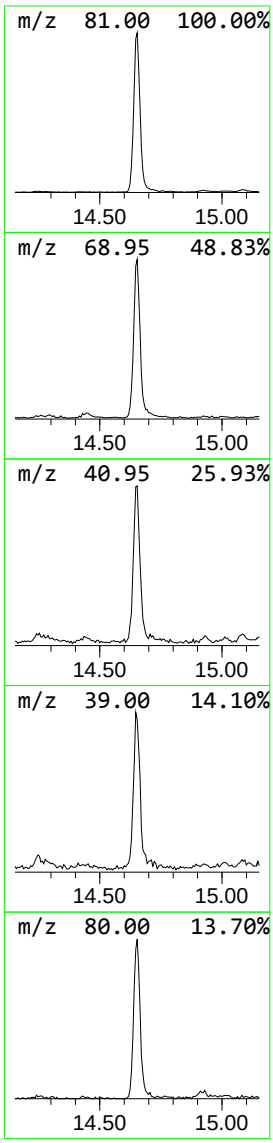
****

Peak Number 10 L-Fenchone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	47.79 ug/l	1456400	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	95
2	Fenchone	152	C10H16O	001195-79-5	95
3	L-Fenchone	152	C10H16O	007787-20-4	94
4	D-Fenchone	152	C10H16O	004695-62-9	94
5	Fenchone	152	C10H16O	001195-79-5	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dimethyl ether	2.312	16.3	ug/l	629041	1	7.794	1155370	30.0
Methanethiol	2.859	8.6	ug/l	329228	1	7.794	1155370	30.0
2-Butanethiol	8.647	82.8	ug/l	1939280	2	9.082	702915	30.0
2-Pentanone	9.512	7.9	ug/l	184421	2	9.082	702915	30.0
3-Pentanone, 2,...	11.147	9.7	ug/l	295929	3	11.847	914214	30.0
Cyclohexanethiol	13.065	6.0	ug/l	181342	3	11.847	914214	30.0
1R,2c,3t,4t-Tet...	14.441	4.0	ug/l	120415	3	11.847	914214	30.0
L-Fenchone	14.653	47.8	ug/l	1456400	3	11.847	914214	30.0